




















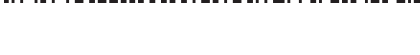
**REVIEWED**

By Amber Gerheart at 3:47 pm, Apr 20, 2023

4/18/2023

cg

**Worklist: 6340**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-1154	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-1226	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-1317	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-1355	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-1389	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0826	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0828	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0892	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0902	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0903	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0904	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0938	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0946	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0960	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0975	1	BLOOD*	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0982	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1021	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1023	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1024	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-1033	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

\*Item is a blood collection kit. cg

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

Extraction Date: 04/14/2023

Plate lot#: 230117

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

**Blank Blood Lot:** Lampire 23A52593

**LCMS-QQQ ID:** 069901

Analyst: Celena Shrum

Plate Retest Date: 07/17/2023

**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: The plate got stuck on the instrument and had to be manually removed and replaced. The negative control was reinjected as the incorrect well position was specified (the original injection was labeled with a “\_r” but it was actually the first injection).

Chlordiazepoxide not evaluated due to Cal 8 and QC 1000 ratios being out of range.

DMT not evaluated due to Cal 8 and QC 1000 ratios being out of range.



## Curve Limits:

7-aminoclonazepam 5-500 (Cal 8 removed due to accuracy)  
Amphetamine 5-250 (Cals 7 and 8 removed due to accuracy)- Qualitative only (QC 250 accuracy is out of tolerance)  
Buprenorphine 1-100 (Cal 1 removed due to ratio)  
~~Clonazepam 5-500 (Cal 8 removed due to accuracy)~~ C-9 4/2/23  
Clonazolam 5-250 (Cals 7 and 8 removed due to accuracy)  
Codeine 5-500 (Cal 8 removed due to accuracy)  
Dihydrocodeine 5-250 (Cals 7 and 8 removed due to accuracy)  
Etizolam 5-500 (Cal 8 removed due to accuracy)  
Fentanyl 0.5-50 (Cal 8 removed due to accuracy)  
Flualprazolam 5-500 (Cals 8 removed due to accuracy)  
Ketamine 5-500 (Cal 8 removed due to accuracy)  
Lamotrigine 5-500 (Cal 8 removed due to accuracy)  
MDA 5-250 (Cals 7 and 8 removed due to accuracy)  
Meprobamate 5-100 (Cals 6, 7 and 8 removed due to accuracy)- Qualitative Only  
Methamphetamine 5-500 (Cal 8 removed due to accuracy)  
Metoprolol 5-500 (Cal 8 removed due to accuracy)  
Norfentanyl 0.5-25 (Cals 7 and 8 removed due to accuracy)  
Oxycodone 5-500 (Cal 8 removed due to accuracy)  
Phentermine 5-250 (Cals 7 and 8 removed due to accuracy)  
Zolpidem 5-500 (Cal 8 removed due to accuracy)

	1	2	3	4	5	6	7	8	9	10	11	12
A									P2023-1023-1	P2023-0903-1	M2023-1226-3	IS + Cal. 8
B									P2023-1021-1	P2023-0902-1	M2023-1154-1	IS + Cal. 7
C									P2023-0982-2	P2023-0892-3	Neg Ctrl	IS + Cal. 6
D									P2023-0975-1	P2023-0828-1	IS + QC_2	IS + Cal. 5
E									P2023-0960-2	P2023-0826-1	IS + QC_4	IS + Cal. 4
F									P2023-0946-1	M2023-1389-1	IS + QC_3	IS + Cal. 3
G								P2023-1033-1	P2023-0938-4	M2023-1355-3	IS + QC_2	IS + Cal. 2
H								P2023-1024-1	P2023-0904-1	M2023-1317-2	IS + QC_1	IS + Cal. 1

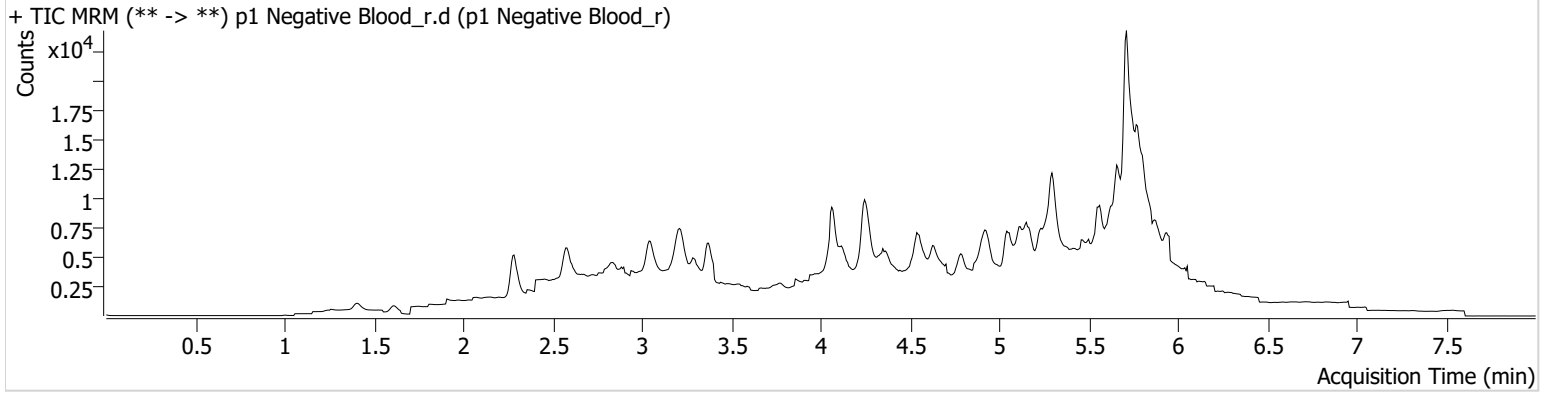


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Blood_r.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood_r
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-F8	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/15/2023 11:16:25 AM		Incorrect well position was specified, so sample was reinjected.
<b>Sample Info.</b>			

## Sample Chromatogram



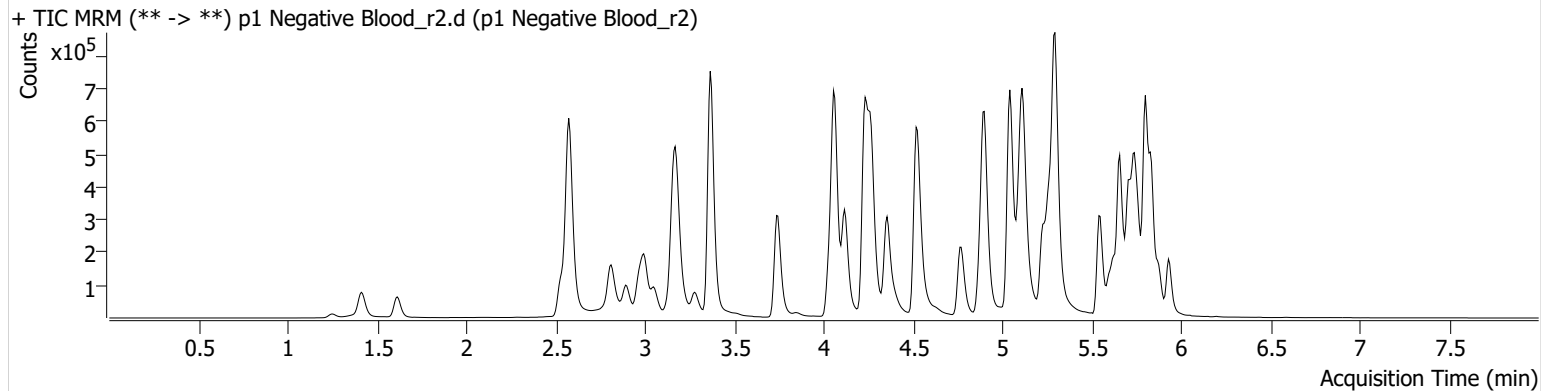
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Blood_r2.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood_r2
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-C11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/18/2023 9:58:56 AM		Reinject data.
<b>Sample Info.</b>			

## Sample Chromatogram



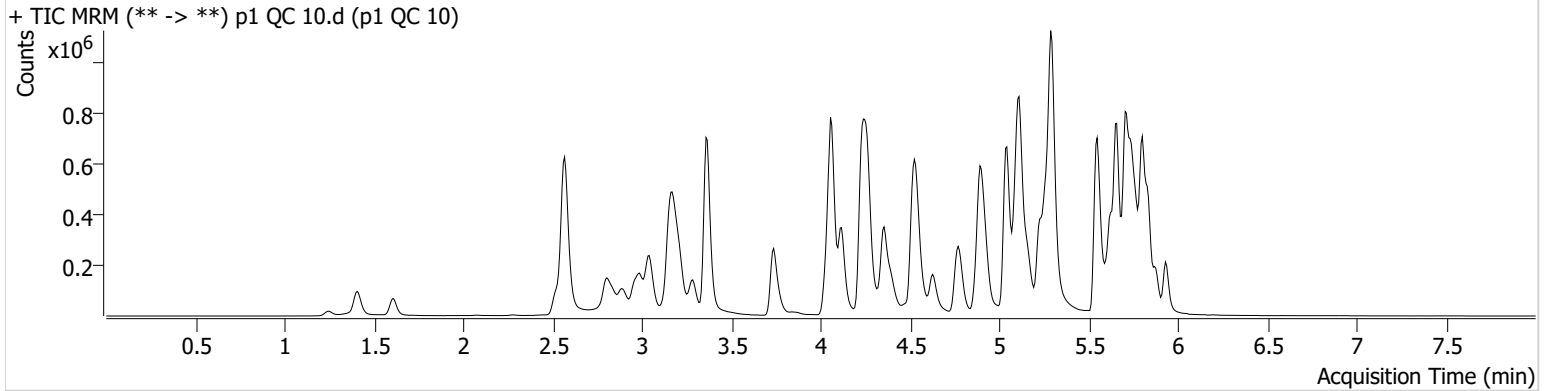
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-H11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/15/2023 5:33:35 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	2815	284.60	74.1	218.78	76767	0.9609 ng/ml
7-aminoclonazepam	4.258	35584	193.48	90.5	654.28	140575	10.6798 ng/ml
a-hydroxyalprazolam	5.689	27358	456.54	64.7	225.70	1008870	10.2975 ng/ml
alpha-PHP	4.928	47668	521.20	254.0	1212.43	627129	10.8768 ng/ml
alpha-PVP	4.363	177283	2040.95	53.0	235.62	627129	10.5208 ng/ml
Alprazolam	5.759	102790	440.18	112.8	490.77	259352	10.3253 ng/ml
Amphetamine	3.043	316778	529.22	42.4	1891.34	349216	10.5606 ng/ml
Benzoylecgonine	3.877	4692	764.89	9.6	168.78	14426	10.0970 ng/ml
Buprenorphine	5.844	3700	4864.02	17.9	645.06	124480	1.0502 ng/ml
Bupropion	4.785	183864	1387.38	63.9	199.65	560014	10.3768 ng/ml
Carisoprodol	5.714	101846	21435.92	64.5	153.69	448415	9.4889 ng/ml
Chlordiazepoxide	5.841	42077	1720.84	148.2	634.13	574072	2.5942 ng/ml
Chlorpheniramine	5.118	301259	1651.77	0.3	24.73	1244461	9.8771 ng/ml
Citalopram	5.225	168889	2394.72	38.3	2598.28	610024	9.6966 ng/ml
Clonazepam	5.601	105462	441.39	32.7	13415.12	134404	10.7153 ng/ml
Clonazolam	5.545	76764	1803.90	37.9	4741.93	134404	10.1189 ng/ml
Cocaine	4.264	120171	304.20	55.2	199.97	936530	10.3224 ng/ml
Codeine	2.580	16333	425.12	106.6	1056.38	65717	10.7973 ng/ml
Cyclobenzaprine	5.625	139428	191.55	7.5	118.82	575552	9.7708 ng/ml
Dextromethorphan	5.269	89910	165.06	79.2	2876.27	375779	10.0772 ng/ml
Dextrorphan	4.118	55643	586.68	216.6	708.82	584662	10.0760 ng/ml
Diazepam	5.938	76876	210.20	89.5	2362.90	262353	10.6703 ng/ml
Dihydrocodeine	2.552	41495	639.05	56.7	584.99	248660	10.5590 ng/ml
Diphenhydramine	5.297	483350	3275.81	31.6	631.69	1851217	9.8670 ng/ml
DMT	2.845	19834	862.64	111.4	510.39	375779	10.5980 ng/ml
Doxylamine	4.538	363142	2243.14	96.6	1419.99	1481018	10.1939 ng/ml
Duloxetine	5.651	13010	390.27	15.8	288.07	64080	9.7589 ng/ml
EDDP	5.262	107181	368.00	41.8	281.37	498923	10.0355 ng/ml
Etizolam	5.804	29523	34192.13	27.9	1592.09	134404	9.3607 ng/ml
Fentanyl	5.101	15693	1280.94	64.7	73.57	673751	1.0447 ng/ml
Flualprazolam	5.695	44913	773.38	96.9	4925.74	259352	10.3598 ng/ml
Fluorofentanyl	5.156	35293	279.55	42.2	397.13	6457	0.9756 ng/ml
Fluoxetine	5.711	162828	415.69	7.0	5371.27	543888	10.3293 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.019	68499	721.63	32.6	114.80	325317	10.8713 ng/ml
Hydromorphone	1.615	44442	1131.23	74.8	169.88	135021	9.9451 ng/ml
Hydroxyzine	5.708	165213	1169.11	72.5	1960.04	375779	9.8459 ng/ml
Ketamine	4.043	129580	345.93	39.7	2006.27	385636	10.5820 ng/ml
Lamotrigine	4.281	11225	254.56	84.6	1851.37	1362167	10.3358 ng/ml
Lorazepam	5.737	94843	1140.20	49.5	188.63	603213	11.1261 ng/ml
MDA	3.191	225673	1130.81	34.4	460.59	596228	10.2247 ng/ml
MDMA	3.285	108198	800.57	104.7	657.87	134840	9.8380 ng/ml
Meprobamate	4.895	79626	1451.22	28.8	124.85	374220	10.6122 ng/ml
Methadone	5.656	297348	379.51	47.2	393.13	1006081	10.2487 ng/ml
Methamphetamine	3.212	273547	903.81	32.4	376.38	926802	10.5401 ng/ml
Metoprolol	4.320	34992	20709.12	101.4	366.45	1287557	10.3082 ng/ml
Mirtazapine	4.627	248221	2600.61	50.4	1676.15	627129	10.4215 ng/ml
Mitragynine	5.236	46024	37676.21	37.3	188.35	1006081	10.6910 ng/ml
Morphine	1.253	8668	86.07	17.3	752.20	10662	10.0124 ng/ml
Norbuprenorphine	4.997	982	895.31	84.9	1379.46	25666	0.9775 ng/ml
Nordiazepam	5.884	65789	4851.78	62.8	244.94	179146	10.5844 ng/ml
Norfentanyl	4.078	29193	757.36	38.1	105.10	1053860	1.0030 ng/ml
Norhydrocodone	3.067	12221	153.80	40.3	∞	133768	9.0489 ng/ml
Noroxycodone	2.911	72231	981.20	44.6	878.58	252004	9.5827 ng/ml
O-desmethyl-tramadol	3.366	275854	1129.84	5.7	234.22	1547858	9.8260 ng/ml
o-desmethylvenlafaxine	4.063	419178	21402.00	18.0	1042.40	301410	9.8181 ng/ml
Olanzapine	4.475	55947	1836.76	55.6	314.77	133460	10.2308 ng/ml
Oxazepam	5.747	119307	185.07	76.5	530.85	603213	10.1420 ng/ml
Oxycodone	2.828	124005	4494.98	28.9	463.99	460226	10.4361 ng/ml
Oxymorphone	1.412	69864	1095.50	43.4	602.22	219274	10.0733 ng/ml
Phentermine	3.774	70805	1311.93	6.4	99.60	730562	10.2215 ng/ml
Promethazine	5.548	225473	524.52	32.2	1267.00	960104	9.3759 ng/ml
Pseudoephedrine	2.576	348713	5758.79	17.3	1512.20	1362167	9.7445 ng/ml
Quetiapine	5.558	198091	10140.53	61.0	174.93	256754	10.4660 ng/ml
Sertraline	5.773	50480	307.47	112.6	750.23	207369	9.9383 ng/ml
Temazepam	5.807	204513	4245.91	26.7	181.20	1008870	10.3557 ng/ml
Tramadol	4.239	282911	568.19	3.2	47.62	1287557	10.5358 ng/ml
Trazodone	5.155	200243	4028.31	65.0	3512.34	652793	10.2164 ng/ml
Venlafaxine	5.042	264081	367.08	35.3	188.17	1417786	9.6927 ng/ml
Zolpidem	4.919	277248	344.36	28.6	3919.84	1193919	10.3040 ng/ml

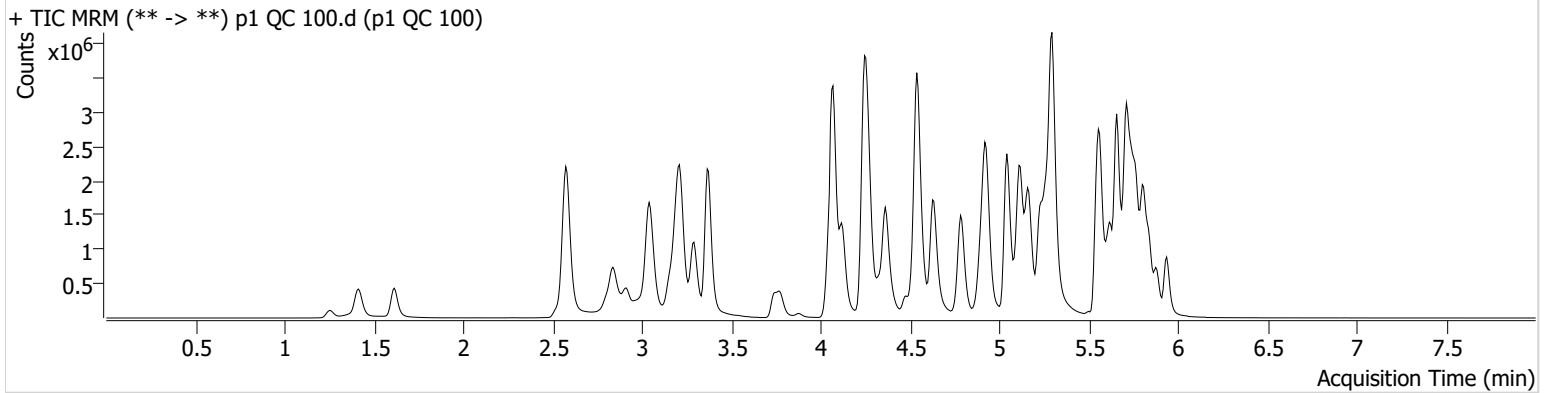


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 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** 4/15/2023 5:38:59 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	36251	89152.62	72.9	328.00	98334	9.7602 ng/ml
7-aminoclonazepam	4.258	404531	3207.66	86.9	6561.35	171038	107.2940 ng/ml
a-hydroxyalprazolam	5.682	250520	1760.17	64.7	397.12	985443	98.4127 ng/ml
alpha-PHP	4.935	548945	11392.86	251.1	18336.33	763191	109.8376 ng/ml
alpha-PVP	4.363	2179307	2240.31	51.9	1282.06	763191	103.9797 ng/ml
Alprazolam	5.766	1181404	3862.77	114.6	7739.30	289053	104.9079 ng/ml
Amphetamine	3.043	3208992	1727.69	42.1	4055.26	438236	96.7635 ng/ml
Benzoylecgonine	3.877	55108	3016.76	7.5	1808.40	19126	94.7103 ng/ml
Buprenorphine	5.844	48252	1887.13	15.4	7035.80	151764	9.1101 ng/ml
Bupropion	4.785	2265080	180555.32	61.9	13364.57	672814	108.3752 ng/ml
Carisoprodol	5.721	899665	338015.11	61.5	380.11	370883	95.9074 ng/ml
Chlordiazepoxide	5.841	394641	5135.94	167.8	6708.69	633926	118.6856 ng/ml
Chlorpheniramine	5.118	3622047	12190.47	0.3	153.28	1451795	101.6288 ng/ml
Citalopram	5.225	1994772	198053.77	38.1	62068.35	692268	98.9400 ng/ml
Clonazepam	5.608	1108694	66391.42	33.1	447.75	146152	111.0677 ng/ml
Clonazolam	5.545	774647	26394.23	37.6	34432.75	146152	104.4017 ng/ml
Cocaine	4.264	1384334	1432.55	55.9	927.65	1107325	100.0701 ng/ml
Codeine	2.580	162020	211.45	105.6	5194.67	75613	104.5788 ng/ml
Cyclobenzaprine	5.625	1314707	28814.99	7.4	693.99	516685	98.7253 ng/ml
Dextromethorphan	5.269	985267	39896.35	77.4	1724.75	412575	100.0857 ng/ml
Dextrorphan	4.124	673547	24322.33	217.5	1572.95	718952	97.1599 ng/ml
Diazepam	5.938	832818	801.49	87.1	24718.91	291556	104.6134 ng/ml
Dihydrocodeine	2.552	479502	11839.67	57.8	21863.70	323089	100.6106 ng/ml
Diphenhydramine	5.297	5775214	90073.94	30.6	34408.95	2125853	99.8479 ng/ml
DMT	2.852	227947	14459.95	124.3	3163.80	412575	101.3017 ng/ml
Doxylamine	4.538	4756526	102976.65	97.4	1625.37	1904058	102.6664 ng/ml
Duloxetine	5.651	78751	1684.67	14.0	113.14	36793	104.2934 ng/ml
EDDP	5.262	1105355	39203.86	42.6	19674.62	514973	98.0369 ng/ml
Etizolam	5.804	329561	2802.67	28.2	2289.93	146152	94.4529 ng/ml
Fentanyl	5.101	156048	4087.27	68.7	123703.19	714009	10.4729 ng/ml
Flualprazolam	5.695	473664	5724.44	98.0	12240.80	289053	111.1244 ng/ml
Fluorofentanyl	5.162	350326	1510.24	40.6	4216.36	6298	9.1079 ng/ml
Fluoxetine	5.711	821546	526.07	7.7	6260.97	291933	93.4486 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.019	800821	∞	32.9	∞	411808	109.6505 ng/ml
Hydromorphone	1.615	658990	36537.40	73.5	1151979.78	193902	103.4647 ng/ml
Hydroxyzine	5.708	1735481	969472.36	75.6	135959.09	412575	87.9839 ng/ml
Ketamine	4.050	1463573	1447.48	40.3	1097.92	482948	102.0740 ng/ml
Lamotrigine	4.281	121452	2633.86	88.7	96240.35	1507118	102.7616 ng/ml
Lorazepam	5.737	647777	13898.83	48.4	487.97	505323	101.1556 ng/ml
MDA	3.191	2134640	13840.54	33.1	4036.40	643682	98.5762 ng/ml
MDMA	3.292	1341205	3501.47	104.3	3250.19	161888	103.1703 ng/ml
Meprobamate	4.901	793793	16830.86	28.0	528.48	436464	95.8585 ng/ml
Methadone	5.656	3421727	2104.58	46.1	20434.82	1135686	101.2947 ng/ml
Methamphetamine	3.219	3325454	1832.29	31.8	24123.12	1215022	107.3708 ng/ml
Metoprolol	4.327	419109	4409.44	104.0	14396.94	1583043	104.4959 ng/ml
Mirtazapine	4.627	3114041	193209.61	48.9	203036.78	763191	103.1961 ng/ml
Mitragynine	5.236	536561	26449.51	36.9	6025.41	1135686	106.2388 ng/ml
Morphine	1.253	99351	751.41	17.0	285.83	13134	96.7674 ng/ml
Norbuprenorphine	4.997	7868	2914.70	104.3	6231.33	29429	10.5748 ng/ml
Nordiazepam	5.884	665231	1341.56	63.2	∞	186446	102.5160 ng/ml
Norfentanyl	4.085	317262	48743.00	37.4	465.53	1045662	10.2873 ng/ml
Norhydrocodone	3.067	134143	363.38	40.2	308.23	117538	98.8539 ng/ml
Noroxycodone	2.911	787662	841.69	44.0	15840.90	271829	98.5413 ng/ml
O-desmethyl-tramadol	3.372	3565828	64601.84	5.7	7525.53	1936005	98.6223 ng/ml
o-desmethylvenlafaxine	4.081	5201123	107757.96	17.8	4839.90	355951	96.3733 ng/ml
Olanzapine	4.475	503628	2975.26	56.6	1358.05	122956	99.5975 ng/ml
Oxazepam	5.747	995125	307.60	73.4	469.39	505323	105.4729 ng/ml
Oxycodone	2.835	1528307	2270.30	28.0	∞	601884	105.8122 ng/ml
Oxymorphone	1.411	845303	∞	43.3	∞	276608	99.3189 ng/ml
Phentermine	3.774	824758	3819.25	6.1	134.55	925672	100.4434 ng/ml
Promethazine	5.548	2020362	305303.64	30.8	1203.69	828901	94.2073 ng/ml
Pseudoephedrine	2.583	4055669	1423.87	17.0	72399.43	1507118	97.5256 ng/ml
Quetiapine	5.558	2217811	90970.17	60.8	95337.38	293516	107.9180 ng/ml
Sertraline	5.780	241113	283.12	103.0	552877.65	99962	95.8661 ng/ml
Temazepam	5.807	1932274	16064.18	27.1	697.68	985443	99.8521 ng/ml
Tramadol	4.246	3319956	∞	3.5	211.17	1583043	107.1873 ng/ml
Trazodone	5.162	2277533	746692.26	67.9	33973.66	749133	101.8596 ng/ml
Venlafaxine	5.042	3305730	221111.32	35.8	485.73	1776087	94.2199 ng/ml
Zolpidem	4.919	3445805	13768.97	28.7	98240.26	1520119	106.2822 ng/ml



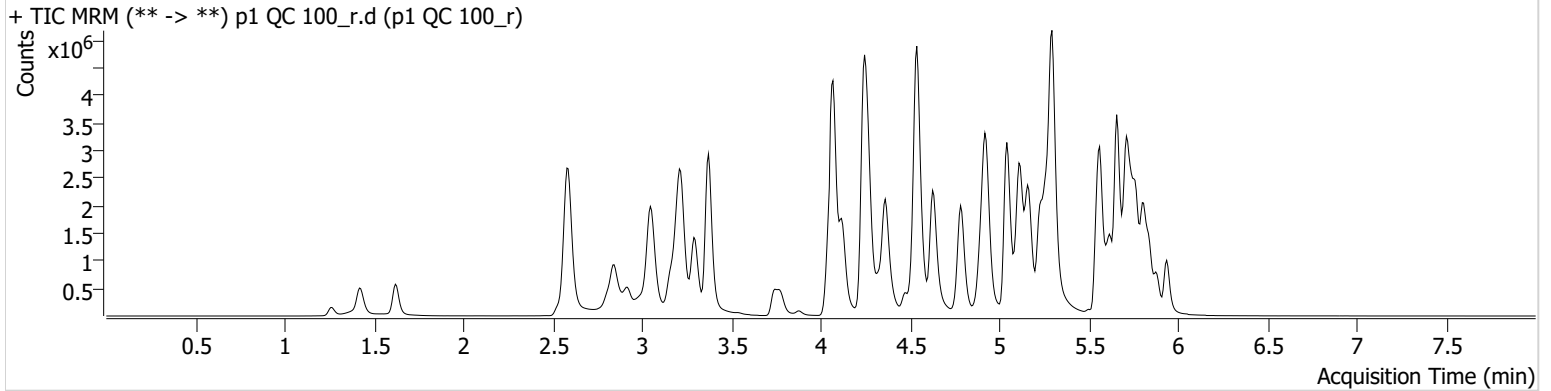


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
Calibration Last Update 4/18/2023 10:31:46 AM

Instrument Falco (069901) Data File p1 QC 100\_r.d  
Type QC Sample p1 QC 100\_r  
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum  
Sample Position P2-G11 Comment  
Injection Volume 2  
Acq. Date-Time 4/18/2023 10:20:21 AM  
Sample Info. Used to bracket reinject sample.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	47626	883.84	69.5	7462.41	125162	10.0747 ng/ml
7-aminoclonazepam	4.258	376867	5035.05	87.4	165.86	157344	108.6673 ng/ml
a-hydroxyalprazolam	5.682	265539	341.39	67.5	530.58	1081890	95.0057 ng/ml
alpha-PHP	4.935	703506	31584.61	255.8	21257.01	1006978	106.6616 ng/ml
alpha-PVP	4.363	2912946	42125.10	52.4	1431.27	1006978	105.3325 ng/ml
Alprazolam	5.766	1440712	1283.51	112.7	2732.14	336648	109.8389 ng/ml
Amphetamine	3.050	4087127	1564.63	37.8	89648.18	498146	108.6169 ng/ml
Benzoylecgonine	3.877	81498	576.04	7.9	6144.93	27020	99.1757 ng/ml
Buprenorphine	5.844	63134	455.61	14.7	9197.75	189444	9.5386 ng/ml
Bupropion	4.785	3026064	78397.31	64.2	1394.78	893604	109.0132 ng/ml
Carisoprodol	5.721	987411	365.93	59.0	228.10	398496	97.9554 ng/ml
Chlordiazepoxide	5.841	430464	8856.19	184.1	7413.25	768013	105.5715 ng/ml
Chlorpheniramine	5.118	4566397	20480.58	0.3	544.92	1863591	99.8142 ng/ml
Citalopram	5.225	2516091	844982.74	37.8	719.77	882885	97.8556 ng/ml
Clonazepam	5.608	1262670	71626.19	32.7	27347.64	163159	113.3249 ng/ml
Clonazolam	5.545	921604	7938.96	36.6	424253.81	163159	111.3438 ng/ml
Cocaine	4.264	1781516	38966.15	56.6	991.94	1428969	99.7944 ng/ml
Codeine	2.593	189677	1430.29	107.1	10782.72	91083	101.5936 ng/ml
Cyclobenzaprine	5.625	1239542	13498.33	7.3	139.89	484955	99.1694 ng/ml
Dextromethorphan	5.269	1187075	19392.88	77.9	∞	503079	98.8933 ng/ml
Dextrorphan	4.124	862369	1965.95	218.8	2847.52	921138	97.0931 ng/ml
Diazepam	5.938	959257	293.17	87.4	335.83	341968	102.7316 ng/ml
Dihydrocodeine	2.558	619775	270.94	57.0	290.85	433741	96.8360 ng/ml
Diphenhydramine	5.297	7389084	126659.44	29.5	91683.46	2661532	102.0317 ng/ml
DMT	2.858	263379	354.45	107.5	512.60	503079	96.0447 ng/ml
Doxylamine	4.538	6578524	18415.55	95.0	113143.27	2567010	105.3188 ng/ml
Duloxetine	5.651	50330	1508.55	12.6	177.05	24045	101.9900 ng/ml
EDDP	5.262	1463188	28315.37	43.1	406.83	694822	96.1878 ng/ml
Etizolam	5.804	415314	4311.91	27.6	39751.50	163159	106.5996 ng/ml
Fentanyl	5.101	176330	3654.70	69.4	136590.89	877326	9.6247 ng/ml
Flualprazolam	5.695	519535	2977.97	101.2	16914.84	336648	104.5636 ng/ml
Fluorofentanyl	5.162	429618	2226.52	41.1	15443.48	7941	8.8607 ng/ml
Fluoxetine	5.711	578306	14191.82	7.4	250.55	206300	93.0875 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.019	1025374	336.97	33.1	1063.61	550577	104.9632 ng/ml
Hydromorphone	1.622	810813	9535.97	73.2	82993.32	239804	102.9340 ng/ml
Hydroxyzine	5.708	1954489	3161.07	76.5	20570.71	503079	81.3168 ng/ml
Ketamine	4.050	1921161	98997.91	40.0	1980.17	629848	102.7428 ng/ml
Lamotrigine	4.287	135180	958.22	88.6	1331.55	1907695	90.3371 ng/ml
Lorazepam	5.737	626373	1385.56	48.2	423.84	513931	96.1028 ng/ml
MDA	3.198	2370368	2146.28	32.2	3829.45	675659	104.3485 ng/ml
MDMA	3.292	1757323	12178.25	102.3	5399.50	211029	103.7019 ng/ml
Meprobamate	4.901	760748	36190.95	28.4	5233.51	484865	82.6037 ng/ml
Methadone	5.656	4418038	137027.09	44.2	38653.40	1399055	106.1514 ng/ml
Methamphetamine	3.219	4107086	8787.97	32.1	2682.53	1632096	98.6267 ng/ml
Metoprolol	4.327	549203	6859.85	102.4	16855.49	2137057	101.4199 ng/ml
Mirtazapine	4.627	4035807	63571.38	49.0	93850.12	1006978	101.3718 ng/ml
Mitragynine	5.236	524120	3790.90	36.7	88166.27	1399055	84.3327 ng/ml
Morphine	1.267	121674	2091.17	17.2	1238.36	16388	94.9733 ng/ml
Norbuprenorphine	4.997	8952	148.05	101.9	64.17	33673	10.5114 ng/ml
Nordiazepam	5.884	692317	538.02	65.0	6760.71	197136	100.9052 ng/ml
Norfentanyl	4.085	398653	1523.84	37.4	2732.28	1245639	10.8474 ng/ml
Norhydrocodone	3.074	154681	288.80	40.5	320.94	144313	92.9158 ng/ml
Noroxycodone	2.917	942334	1298.46	44.0	1021.03	313601	102.1949 ng/ml
O-desmethyl-tramadol	3.372	4877701	125580.67	5.7	1210.38	2608746	100.1115 ng/ml
o-desmethylvenlafaxine	4.080	6759087	40456.82	17.4	3868.68	458670	97.1876 ng/ml
Olanzapine	4.475	647554	3092.95	56.1	2534.33	147364	106.8466 ng/ml
Oxazepam	5.747	948450	11615.82	75.2	213.05	513931	98.8104 ng/ml
Oxycodone	2.835	2028385	6402.49	28.0	895.66	804539	105.0547 ng/ml
Oxymorphone	1.425	988187	∞	43.2	∞	305443	105.1647 ng/ml
Phentermine	3.780	1011330	2844.33	6.1	1023.11	1209366	94.2244 ng/ml
Promethazine	5.548	1711911	1107.65	31.6	696.42	701168	94.3657 ng/ml
Pseudoephedrine	2.589	5193305	126137.03	16.5	2336.38	1907695	98.6534 ng/ml
Quetiapine	5.564	2832721	146045.75	60.9	33649.63	384108	105.3152 ng/ml
Sertraline	5.780	117399	252.36	101.5	1024.19	50133	93.0818 ng/ml
Temazepam	5.807	2083398	1397.86	27.7	558.07	1081890	98.0646 ng/ml
Tramadol	4.246	4341972	154.58	3.5	41.55	2137057	103.8181 ng/ml
Trazodone	5.162	2846866	2027.03	67.2	473565.61	911302	104.6668 ng/ml
Venlafaxine	5.042	4409501	∞	35.2	720.05	2377515	93.8881 ng/ml
Zolpidem	4.919	4602936	7987.41	28.8	5805.05	2120910	101.7283 ng/ml

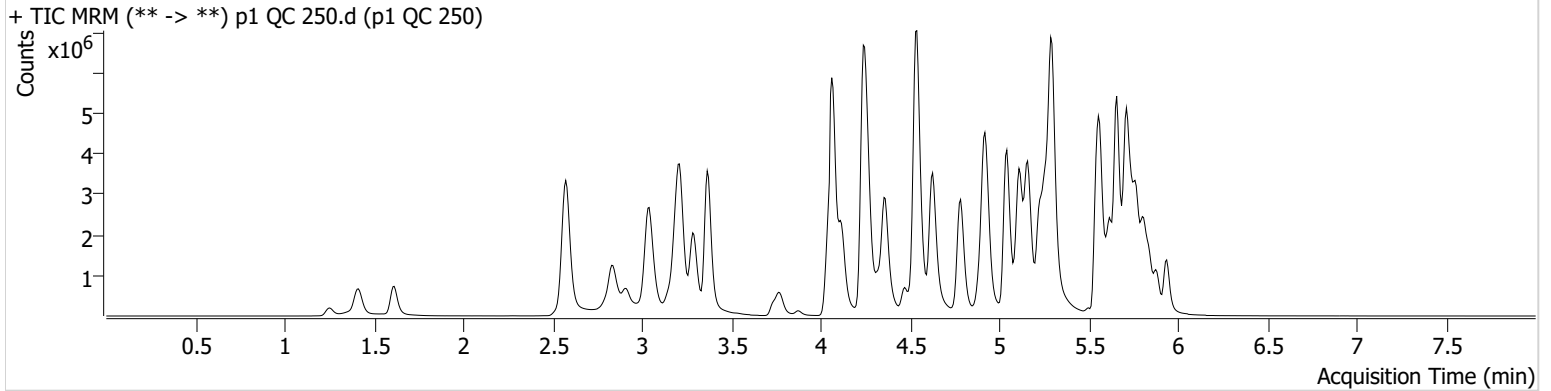


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 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** 4/15/2023 5:54:56 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	79843	1783.75	69.2	98007.68	85282	24.8044 ng/ml
7-aminoclonazepam	4.258	610266	18664.28	90.0	10757.11	115692	240.4012 ng/ml
a-hydroxyalprazolam	5.682	342441	826.32	65.1	591.68	569390	233.1240 ng/ml
alpha-PHP	4.935	1069602	37761.61	251.6	9862.12	624736	262.5733 ng/ml
alpha-PVP	4.363	4558664	95099.25	52.7	32109.15	624736	265.3161 ng/ml
Alprazolam	5.766	2074440	3004.26	113.7	5628.00	202356	262.8759 ng/ml
Amphetamine	3.043	5603511	58480.27	40.1	44761.76	374213	199.5769 ng/ml
Benzoylcegonine	3.871	116449	1397.70	8.2	819.07	15436	249.0549 ng/ml
Buprenorphine	5.844	105547	36159.73	15.1	13741.78	124791	23.8713 ng/ml
Bupropion	4.785	4792905	117328.45	61.8	3139.80	579634	266.4969 ng/ml
Carisoprodol	5.721	1194588	22358.87	63.5	188.88	188425	249.7555 ng/ml
Chlordiazepoxide	5.842	636651	10500.31	177.1	8119.45	468569	274.2899 ng/ml
Chlorpheniramine	5.118	7686402	25555.61	0.3	200.41	1246405	251.1811 ng/ml
Citalopram	5.225	3763055	70561.49	38.2	19319.79	511807	252.1301 ng/ml
Clonazepam	5.601	1769725	72601.11	32.8	29743.69	98721	263.6448 ng/ml
Clonazolam	5.545	1090819	13510.11	38.2	191577.98	98721	219.0224 ng/ml
Cocaine	4.264	2700306	1752.95	56.4	760.04	863571	250.2101 ng/ml
Codeine	2.580	277075	4140.50	102.8	535.69	58509	232.9483 ng/ml
Cyclobenzaprine	5.625	2808927	51328.10	7.3	301.89	433739	250.6335 ng/ml
Dextromethorphan	5.269	1866397	36600.05	77.0	29548.59	311267	251.2167 ng/ml
Dextrorphan	4.118	1337390	3039.96	223.5	1257.76	560360	247.1655 ng/ml
Diazepam	5.938	1507156	9323.17	86.6	1640.28	215176	256.6201 ng/ml
Dihydrocodeine	2.552	911125	315.61	57.7	399.95	279358	222.1182 ng/ml
Diphenhydramine	5.297	11477543	194277.33	30.2	63774.61	1586190	265.4507 ng/ml
DMT	2.845	446990	512.46	132.9	58033.32	311267	261.6733 ng/ml
Doxylamine	4.538	10267329	4156.85	97.2	20935.14	1643263	256.5903 ng/ml
Duloxetine	5.651	167656	3312.01	14.4	16442.00	33124	246.8279 ng/ml
EDDP	5.262	2574535	25462.90	42.6	72375.99	482703	243.2387 ng/ml
Etizolam	5.804	625795	3741.48	27.7	280623.12	98721	265.2060 ng/ml
Fentanyl	5.101	321477	3880.00	67.4	209003.28	619148	24.9911 ng/ml
Flualprazolam	5.695	730690	4445.32	101.1	1553.21	202356	246.7305 ng/ml
Fluorofentanyl	5.162	767230	992.05	41.5	10175.87	5104	24.4621 ng/ml
Fluoxetine	5.711	1689555	924.25	7.2	84792.95	226317	247.1835 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.013	1539437	∞	33.3	372.00	351891	248.0776 ng/ml
Hydromorphone	1.615	1277481	4085.99	74.3	6726328.67	151445	256.9236 ng/ml
Hydroxyzine	5.708	3481822	34298.95	76.4	2598.54	311267	232.7658 ng/ml
Ketamine	4.043	2881533	65418.88	39.8	9917.39	399897	243.8440 ng/ml
Lamotrigine	4.281	214932	2458.35	88.1	2069.45	1086566	252.5215 ng/ml
Lorazepam	5.737	733934	2494.06	51.5	4962.43	246539	236.8417 ng/ml
MDA	3.191	3332189	6650.71	31.3	4373.72	478366	208.3308 ng/ml
MDMA	3.285	2687336	271180.64	103.6	10511.11	132720	252.3968 ng/ml
Meprobamate	4.895	1183488	34491.74	28.4	2607.63	330824	189.2155 ng/ml
Methadone	5.656	7373997	5581.00	44.2	1288.03	915028	270.3569 ng/ml
Methamphetamine	3.212	6702540	85851.76	30.8	3209.30	1067289	247.8710 ng/ml
Metoprolol	4.320	805360	145814.92	102.2	87568.03	1287719	247.4859 ng/ml
Mirtazapine	4.627	6452211	104865.91	49.0	12982.71	624736	260.5098 ng/ml
Mitragynine	5.236	1069129	4436.29	37.6	343445.98	915028	262.0758 ng/ml
Morphine	1.253	193141	329.77	17.5	651.23	9545	259.5759 ng/ml
Norbuprenorphine	4.997	16805	70120.27	99.6	∞	25493	26.9908 ng/ml
Nordiazepam	5.884	1197758	580.77	61.5	1118.63	135674	253.6020 ng/ml
Norfentanyl	4.078	596056	13906.04	37.1	10039.26	690074	29.1569 ng/ml
Norhydrocodone	3.067	257046	∞	39.3	147.50	88543	249.5521 ng/ml
Noroxycodone	2.911	1321769	846.23	43.9	1543.16	184126	244.3955 ng/ml
O-desmethyl-tramadol	3.366	7583488	4927.58	5.6	9362.97	1580314	256.4454 ng/ml
o-desmethylvenlafaxine	4.063	10211499	119968.60	17.3	4722.34	262559	255.3291 ng/ml
Olanzapine	4.468	1152985	2728.19	55.9	4725.31	106714	262.6495 ng/ml
Oxazepam	5.740	1225414	357.20	72.9	246.15	246539	266.9769 ng/ml
Oxycodone	2.828	2948879	2997.04	28.2	32019.24	509376	242.3784 ng/ml
Oxymorphone	1.412	1637418	∞	43.4	∞	207979	256.3683 ng/ml
Phentermine	3.774	1540186	2727.41	6.0	1870.70	802841	217.1813 ng/ml
Promethazine	5.541	4814709	2593.00	30.4	1236.56	770814	240.9056 ng/ml
Pseudoephedrine	2.576	7635269	29758.34	16.5	10231.19	1086566	253.8352 ng/ml
Quetiapine	5.558	4207759	107443.77	61.6	69416.93	235136	256.4268 ng/ml
Sertraline	5.773	573604	995.00	100.3	1016.94	90562	251.2601 ng/ml
Temazepam	5.807	2775944	16758.73	27.7	3674.01	569390	248.2140 ng/ml
Tramadol	4.239	6658950	1700.61	3.6	107.43	1287719	265.4315 ng/ml
Trazodone	5.155	4691783	97230.73	70.9	1694.46	623935	252.0386 ng/ml
Venlafaxine	5.043	7105834	263519.11	33.9	1234.76	1416038	253.5300 ng/ml
Zolpidem	4.912	6954818	12928.34	27.4	14253.85	1312134	249.3868 ng/ml

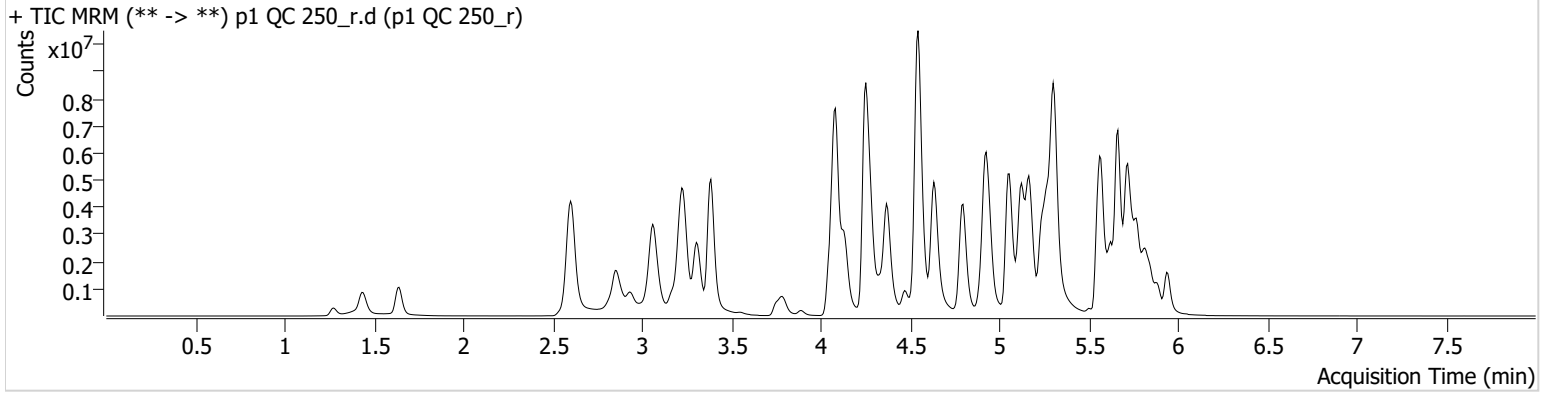


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

**Instrument** Falco (069901) **Data File** p1 QC 250\_r.d  
**Type** QC **Sample** p1 QC 250\_r  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-F11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2023 8:49:24 AM  
**Sample Info.** Used to bracket reinject sample.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.153	116492	55904.48	69.3	218382.64	120364	25.6422 ng/ml
7-aminoclonazepam	4.271	512029	5949.32	91.3	20842.24	99692	234.0514 ng/ml
a-hydroxyalprazolam	5.689	335014	197.88	67.5	1008.10	581606	223.2674 ng/ml
alpha-PHP	4.942	1464732	7908.73	258.9	45278.13	903839	248.4936 ng/ml
alpha-PVP	4.370	6643948	116406.45	51.1	1335.58	903839	267.2727 ng/ml
Alprazolam	5.766	2586953	764.53	111.2	717.47	239965	276.4349 ng/ml
Amphetamine	3.064	7254085	335.49	37.5	419.54	460265	210.1457 ng/ml
Benzoylcegonine	3.891	191540	29039.31	8.0	625.44	26644	237.3005 ng/ml
Buprenorphine	5.837	144332	572.64	15.3	19360.56	157802	25.7968 ng/ml
Bupropion	4.799	6986771	458564.11	63.4	48902.25	843826	266.8526 ng/ml
Carisoprodol	5.727	1350525	176313.70	60.9	378.16	207909	255.8829 ng/ml
Chlordiazepoxide	5.848	686503	9730.75	203.9	9970.24	579972	237.2943 ng/ml
Chlorpheniramine	5.125	10770212	15449.13	0.3	747.69	1716321	255.5925 ng/ml
Citalopram	5.239	4731657	398667.03	38.8	791629.39	672899	241.1407 ng/ml
Clonazepam	5.608	1951173	79379.13	33.1	18601.08	113164	253.5446 ng/ml
Clonazolam	5.552	1282230	3081.62	37.8	32492.88	113164	224.6289 ng/ml
Cocaine	4.278	3554754	858.35	56.6	56667.11	1129577	251.8158 ng/ml
Codeine	2.607	350416	12458.50	100.5	21142.41	74948	229.9700 ng/ml
Cyclobenzaprine	5.631	2944352	63051.61	7.1	132.37	459467	248.0108 ng/ml
Dextromethorphan	5.282	2295904	30615.64	76.8	167671.11	396897	242.3579 ng/ml
Dextrorphan	4.131	1854249	964.85	223.5	∞	765284	250.9204 ng/ml
Diazepam	5.945	1805270	∞	87.8	1101.49	266504	248.1768 ng/ml
Dihydrocodeine	2.572	1309741	14185.42	56.5	29814.42	421762	211.4474 ng/ml
Diphenhydramine	5.310	14596645	56556.76	30.0	169203.23	2075365	258.0255 ng/ml
DMT	2.878	562718	11376.47	125.8	60718.50	396897	258.3626 ng/ml
Doxylamine	4.545	15586468	292180.48	95.3	21713.79	2431827	263.2083 ng/ml
Duloxetine	5.651	101178	697.49	13.7	151.31	20041	246.2017 ng/ml
EDDP	5.268	3785325	63704.43	42.5	∞	705909	244.5492 ng/ml
Etizolam	5.804	777775	6023.37	28.0	333417.18	113164	287.5306 ng/ml
Fentanyl	5.108	406099	14422.94	69.4	41227.57	840831	23.2407 ng/ml
Flualprazolam	5.695	821331	2991.66	100.5	22986.17	239965	233.7902 ng/ml
Fluorofentanyl	5.169	1006026	8962.29	41.1	7706.36	6097	26.8408 ng/ml
Fluoxetine	5.718	1175290	52651.47	7.5	9055.00	158256	245.8980 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.033	2200421	246.56	33.2	3424.49	509712	244.7870 ng/ml
Hydromorphone	1.642	1761311	12666748.81	72.3	12053.47	207937	257.9939 ng/ml
Hydroxyzine	5.715	4278083	682338.39	78.3	20170.26	396897	224.3202 ng/ml
Ketamine	4.057	4007130	272850.65	39.3	10463.41	571526	237.2427 ng/ml
Lamotrigine	4.301	255318	1301.14	90.0	17380.54	1428866	228.0917 ng/ml
Lorazepam	5.744	734073	4235.20	47.5	341.23	240906	242.4599 ng/ml
MDA	3.205	3510827	6177.42	32.0	3168.18	543436	193.1330 ng/ml
MDMA	3.305	3524626	7999.03	108.5	6430.74	175652	250.1246 ng/ml
Meprobamate	4.908	1091372	12076.98	27.9	22143.68	382302	150.8549 ng/ml
Methadone	5.663	9777408	122528.82	44.6	35500.16	1208853	271.3420 ng/ml
Methamphetamine	3.232	8805536	430875.61	30.6	10381.90	1631243	212.8982 ng/ml
Metoprolol	4.334	1060442	94584.81	101.1	3012.50	1847850	227.0535 ng/ml
Mirtazapine	4.634	9287738	644423.65	47.2	2188678.13	903839	259.1997 ng/ml
Mitragynine	5.243	1164793	10940.71	37.0	10864.77	1208853	216.2041 ng/ml
Morphine	1.274	249981	39701.34	18.3	40061.01	13894	230.7710 ng/ml
Norbuprenorphine	5.011	20131	197.13	97.1	14833.58	31321	26.3005 ng/ml
Nordiazepam	5.884	1275034	6333.87	62.3	572.50	148160	247.2133 ng/ml
Norfentanyl	4.098	737465	99351.76	37.6	2675.36	818161	30.4235 ng/ml
Norhydrocodone	3.088	361221	2196.57	40.4	199.94	121939	254.6179 ng/ml
Noroxycodone	2.931	1521003	24288.55	48.1	7908.86	183148	282.7645 ng/ml
O-desmethyl-tramadol	3.386	11066928	136565.31	5.6	23313.03	2279947	259.3973 ng/ml
o-desmethylvenlafaxine	4.083	14917094	526117.82	16.4	8043.51	367050	266.7747 ng/ml
Olanzapine	4.468	1419487	3856.98	58.0	3588.87	115945	297.6085 ng/ml
Oxazepam	5.747	1079617	3320.36	75.2	467.12	240906	240.6629 ng/ml
Oxycodone	2.849	4218256	997.76	27.8	19297.12	743071	237.6548 ng/ml
Oxymorphone	1.438	2108534	∞	43.0	∞	263439	260.6363 ng/ml
Phentermine	3.787	1983444	∞	6.0	1816.81	1145465	195.9502 ng/ml
Promethazine	5.548	4634885	80483.46	30.2	1760.26	739403	241.7587 ng/ml
Pseudoephedrine	2.603	10447566	282037.62	16.1	77920.69	1428866	264.1027 ng/ml
Quetiapine	5.564	5844451	1416.23	61.7	388.68	341198	245.4267 ng/ml
Sertraline	5.780	271741	419.64	100.5	707.37	45712	235.8390 ng/ml
Temazepam	5.814	2763609	977858.05	27.5	5065.30	581606	241.9213 ng/ml
Tramadol	4.253	8787593	3378.69	3.2	∞	1847850	244.0395 ng/ml
Trazodone	5.162	6133928	215972.74	70.2	236310.65	840160	244.7043 ng/ml
Venlafaxine	5.056	9633907	1900.24	34.7	3097.28	2020073	240.9632 ng/ml
Zolpidem	4.919	10157486	3399547.66	26.7	8057.05	1976986	241.7201 ng/ml



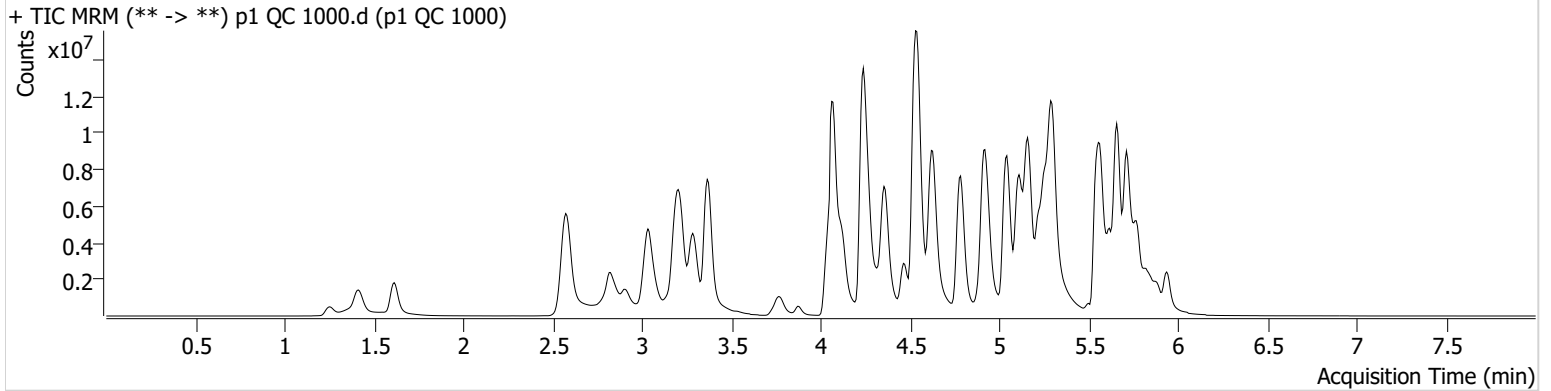


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
Calibration Last Update 4/18/2023 10:31:46 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 4/15/2023 6:16:11 AM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	290974	15936.89	69.8	1679.67	78107	98.7316 ng/ml
7-aminoclonazepam	4.258	673834	3480.16	82.7	∞	45330	679.0967 ng/ml
a-hydroxyalprazolam	5.682	329425	976.80	69.2	250.29	125196	1020.7033 ng/ml
alpha-PHP	4.935	2476665	26171.76	258.7	176548.42	443329	858.6207 ng/ml
alpha-PVP	4.357	13348272	192613.67	51.7	22659.82	443329	1093.9782 ng/ml
Alprazolam	5.766	3597761	486.01	119.6	684.87	99130	930.2347 ng/ml
Amphetamine	3.043	10332476	131128.66	40.0	72281.88	316716	436.7334 ng/ml
Benzoylcegonine	3.871	526973	2184.62	8.1	1888.42	17516	995.2149 ng/ml
Buprenorphine	5.844	326574	258846.72	14.5	45317.54	87032	105.1525 ng/ml
Bupropion	4.785	14885550	567496.93	60.0	26000.17	502425	955.4128 ng/ml
Carisoprodol	5.721	1299465	67.25	60.1	171.93	45556	1121.7367 ng/ml
Chlordiazepoxide	5.842	877096	42898.99	217.4 High	13088.85	220929	826.2404 ng/ml
Chlorpheniramine	5.111	21827615	516685.34	0.3	1480.92	895878	992.3329 ng/ml
Citalopram	5.218	7413081	440955.49	36.5	505836.83	254249	999.2128 ng/ml
Clonazepam	5.601	2323677	41046.84	32.4	16887.07	42575	804.4512 ng/ml
Clonazolam	5.538	1085280	29719.81	38.0	359568.81	42575	506.9403 ng/ml
Cocaine	4.264	6394202	354.14	54.9	332.04	509872	1003.3223 ng/ml
Codeine	2.580	573423	4928.02	101.2	21200.58	36667	772.7562 ng/ml
Cyclobenzaprine	5.625	6603852	93690.54	6.9	262.43	243461	1048.4642 ng/ml
Dextromethorphan	5.269	3559080	61579.12	76.6	70908.90	152212	979.4820 ng/ml
Dextrorphan	4.118	3611119	189290.50	224.4	682572.46	358077	1043.6492 ng/ml
Diazepam	5.938	3259655	340.53	85.8	∞	126288	945.8428 ng/ml
Dihydrocodeine	2.545	2376155	311.09	57.6	1163.72	272784	594.6490 ng/ml
Diphenhydramine	5.297	24055812	79703.01	32.6	98035.51	870561	1012.8600 ng/ml
DMT	2.845	1219632	45528.07	150.1 High	157059.67	152212	1455.4162 ng/ml
Doxylamine	4.538	28752799	156291.63	97.2	2047758.34	1367209	863.3385 ng/ml
Duloxetine	5.644	195645	4620.06	14.4	16739.65	9653	988.8280 ng/ml
EDDP	5.262	9372329	396156.70	41.4	62493.54	413970	1031.7013 ng/ml
Etizolam	5.804	1361361	16614.40	27.3	10281.17	42575	1337.0553 ng/ml
Fentanyl	5.094	763645	379674.57	69.1	681053.88	481209	76.5460 ng/ml
Flualprazolam	5.688	1002542	3902.04	103.6	17030.28	99130	693.8260 ng/ml
Fluorofentanyl	5.162	2043853	∞	43.7	6286.34	2772	119.6549 ng/ml
Fluoxetine	5.718	2649637	498.65	7.2	230826.43	79811	1097.7356 ng/ml



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.013	4611334	750.34	34.0	∞	296625	884.4282 ng/ml
Hydromorphone	1.615	3915602	20410641.66	73.3	13832727.70	119355	999.4687 ng/ml
Hydroxyzine	5.708	8496544	1440549.30	75.8	27072.18	152212	1158.6595 ng/ml
Ketamine	4.036	6507383	97203.27	38.6	19754.08	310602	710.5649 ng/ml
Lamotrigine	4.287	334861	51175.97	88.4	9242.57	563978	758.3621 ng/ml
Lorazepam	5.737	688757	17530.03	49.1	803.99	52176	1055.2445 ng/ml
MDA	3.178	5231234	89025.11	31.3	12200.75	268319	585.1767 ng/ml
MDMA	3.285	6580809	124785.89	105.9	85343.57	88385	928.5696 ng/ml
Meprobamate	4.888	1715991	19236.27	23.1	8110.65	232580	390.9661 ng/ml
Methadone	5.656	17811986	279074.42	47.9	287406.26	579318	1030.5137 ng/ml
Methamphetamine	3.213	16104905	262868.04	29.5	166034.59	1059063	601.8670 ng/ml
Metoprolol	4.320	1677522	137574.57	102.9	4859.06	1012961	656.0935 ng/ml
Mirtazapine	4.629	18779969	133253.57	48.3	202034.77	443329	1067.1027 ng/ml
Mitragynine	5.230	2399739	85048.16	38.5	487584.01	579318	927.9941 ng/ml
Morphine	1.253	572434	∞	17.3	∞	7904	930.1608 ng/ml
Norbuprenorphine	4.997	60637	1149.77	98.0	44585.23	24761	101.9643 ng/ml
Nordiazepam	5.884	2035219	12559.96	61.0	4952.61	58543	998.5502 ng/ml
Norfentanyl	4.085	1124301	50579.26	37.2	19991.96	205366	184.4264 ng/ml
Norhydrocodone	3.067	809048	∞	40.9	644.73	57994	1194.5032 ng/ml
Noroxycodone	2.904	2700948	685.71	43.7	831.55	92689	992.6294 ng/ml
O-desmethyl-tramadol	3.366	21768413	∞	5.6	62553.80	1130480	1028.0968 ng/ml
o-desmethylvenlafaxine	4.069	24171116	101779.54	17.2	15024.19	145296	1089.8126 ng/ml
Olanzapine	4.461	4839648	10468.91	58.3	4550.15	124590	944.1788 ng/ml
Oxazepam	5.740	968121	114.99	75.6	99.19	52176	998.0095 ng/ml
Oxycodone	2.815	7238240	∞	27.9	1633.02	408768	743.1887 ng/ml
Oxymorphone	1.411	4788314	∞	42.7	628.40	160893	969.9811 ng/ml
Phentermine	3.774	3591274	∞	6.1	3094.93	723864	562.9091 ng/ml
Promethazine	5.541	14088297	346182.95	29.3	1100.55	547515	991.3731 ng/ml
Pseudoephedrine	2.582	17472274	1762.95	16.2	53978.71	563978	1117.3479 ng/ml
Quetiapine	5.564	9341743	123034.92	59.9	131368.76	155649	861.4802 ng/ml
Sertraline	5.780	1007357	445.39	96.4	1701028.89	38587	1034.7180 ng/ml
Temazepam	5.814	2402412	35046.74	29.1	4901.54	125196	976.8674 ng/ml
Tramadol	4.232	16021565	155.31	3.3	118.06	1012961	813.4543 ng/ml
Trazodone	5.155	12697412	324728.37	72.6	280992.11	388562	1095.5000 ng/ml
Venlafaxine	5.043	19371342	97550.62	33.2	28688.87	938634	1041.7719 ng/ml
Zolpidem	4.912	18005840	962344.28	27.7	176373.56	1152776	736.1768 ng/ml

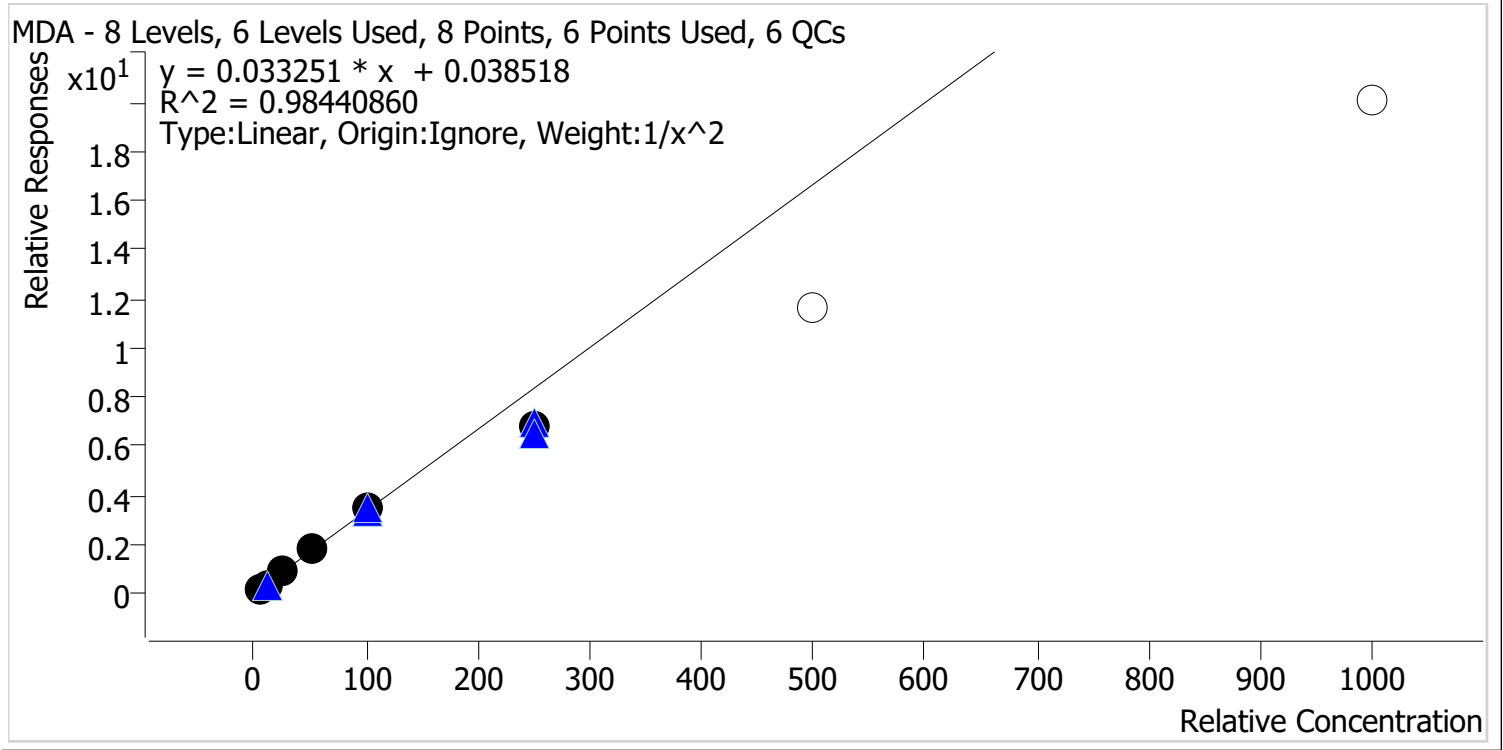


5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

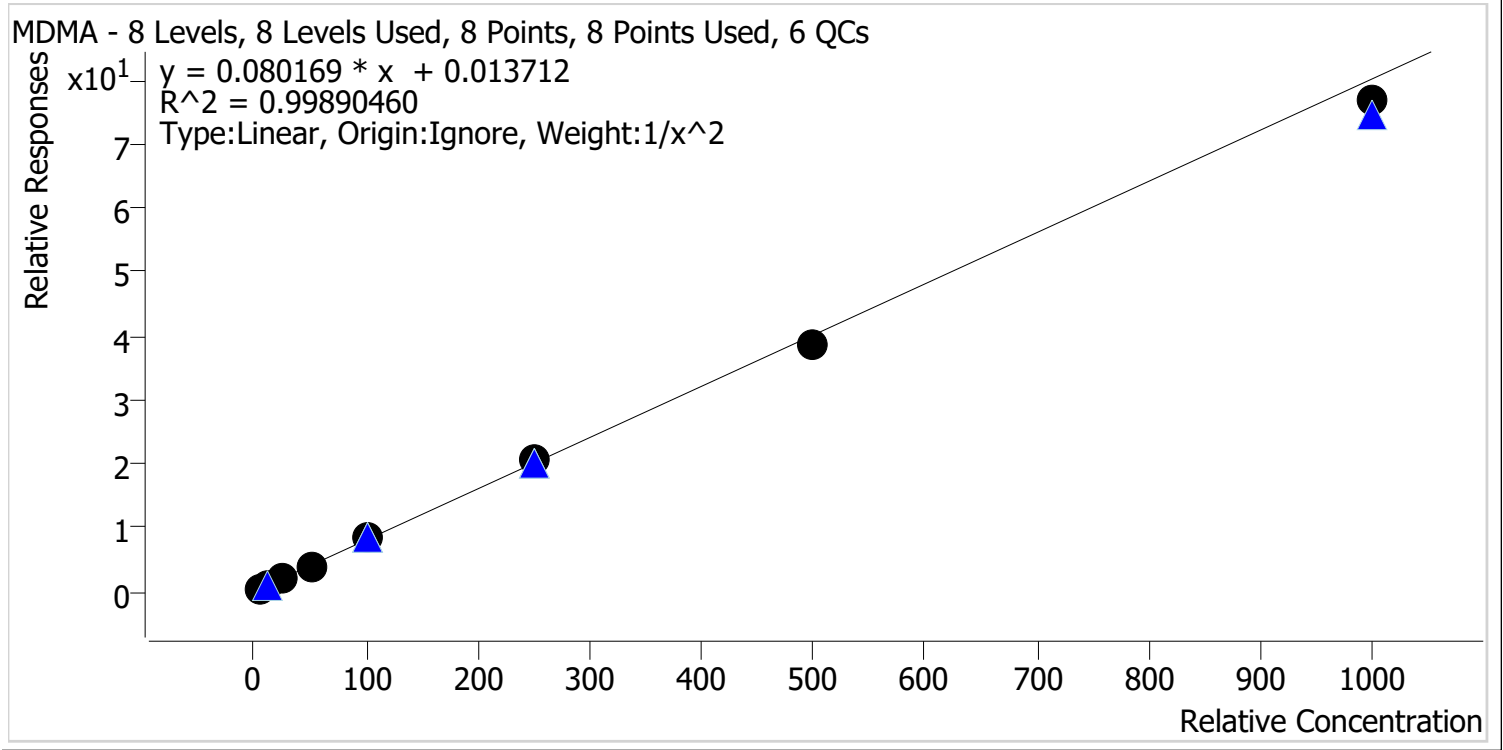


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.6
p1 Cal 2-10ng	2	✓	10.0	10.7	106.5
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.4
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	204.3	81.7
p1 Cal 7-500ng	7	x	500.0	347.1	69.4
p1 Cal 8-1000ng	8	x	1000.0	602.4	60.2



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

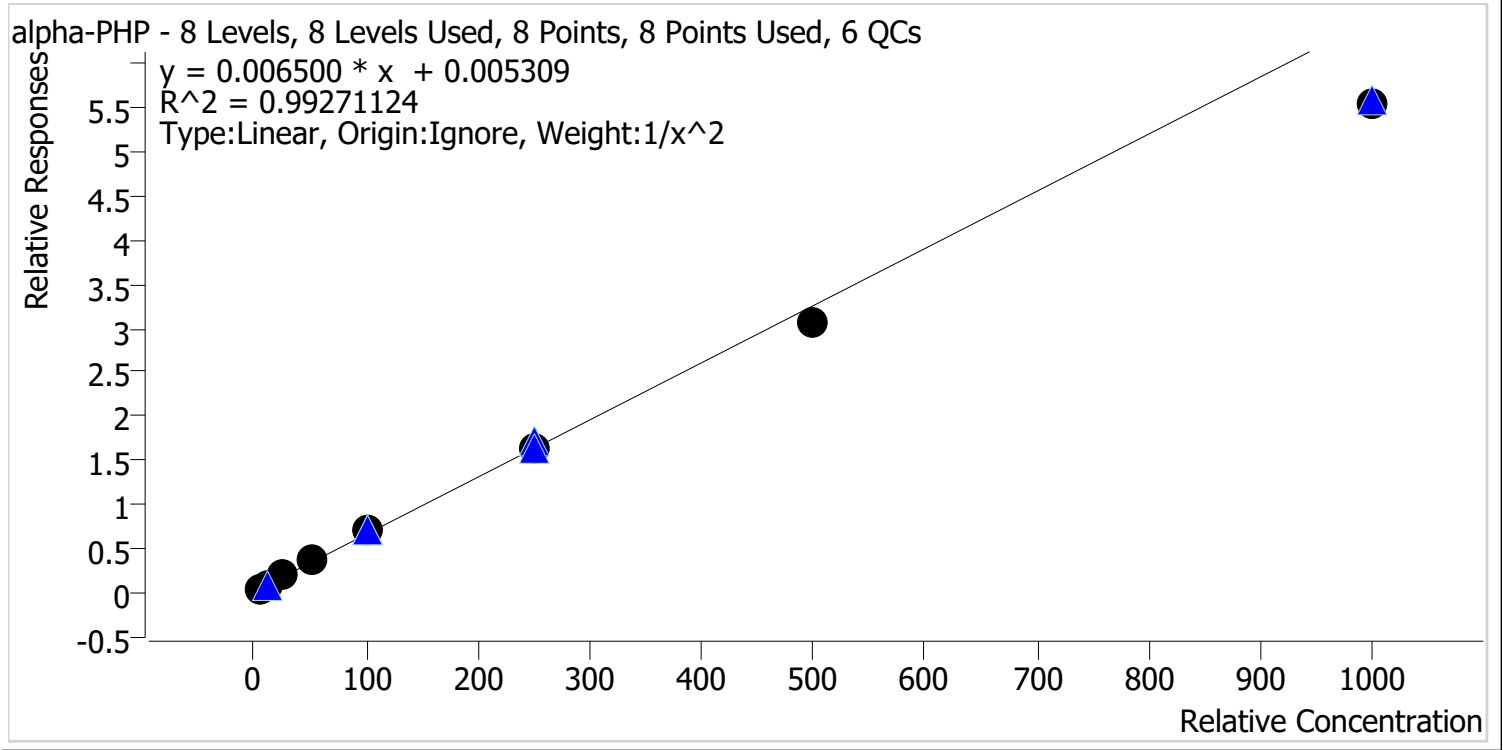


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	481.5	96.3
p1 Cal 8-1000ng	8	✓	1000.0	957.7	95.8



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-D8

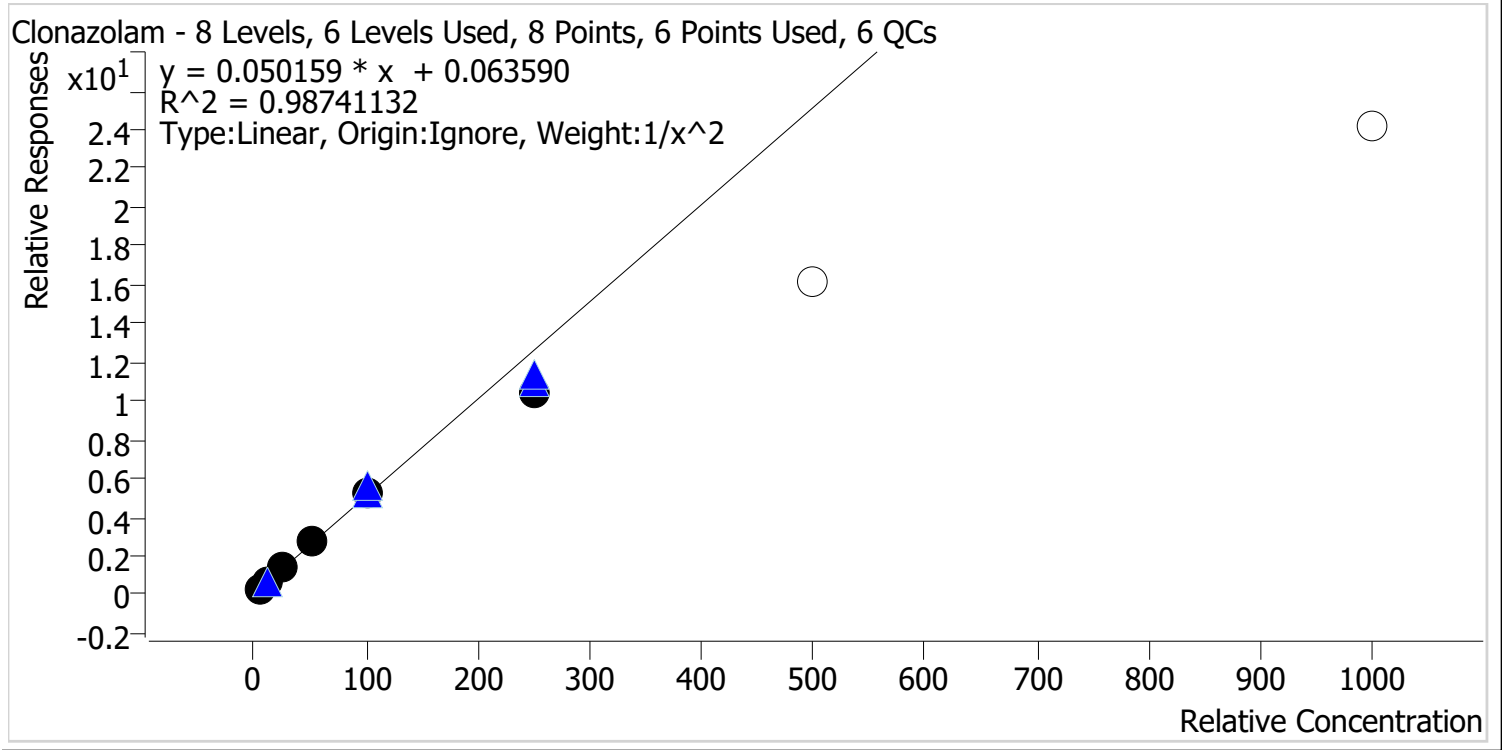


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	53.4	106.9
p1 Cal 5-100ng	5	✓	100.0	106.9	106.9
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	473.8	94.8
p1 Cal 8-1000ng	8	✓	1000.0	854.4	85.4



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



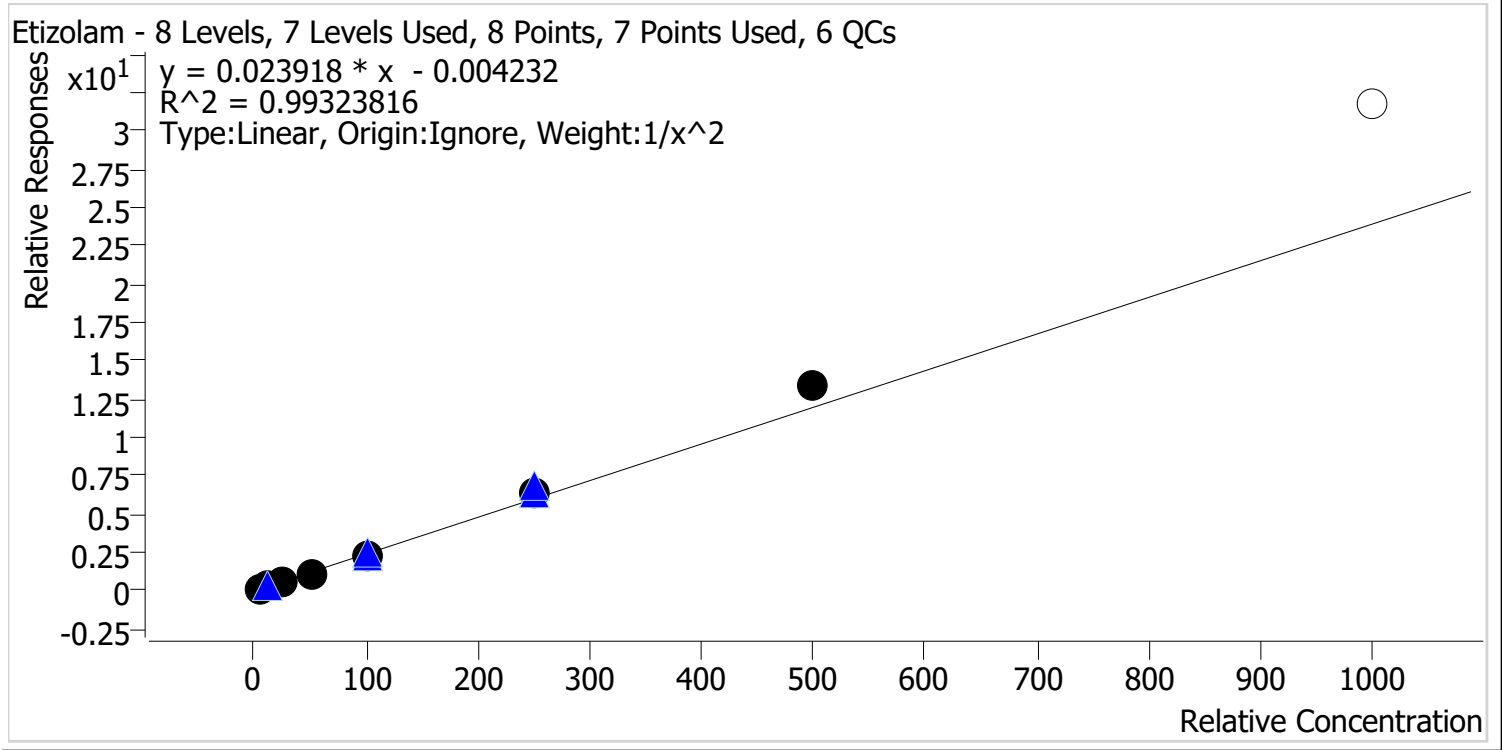
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	207.2	82.9
p1 Cal 7-500ng	7	x	500.0	319.2	63.8
p1 Cal 8-1000ng	8	x	1000.0	479.7	48.0

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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

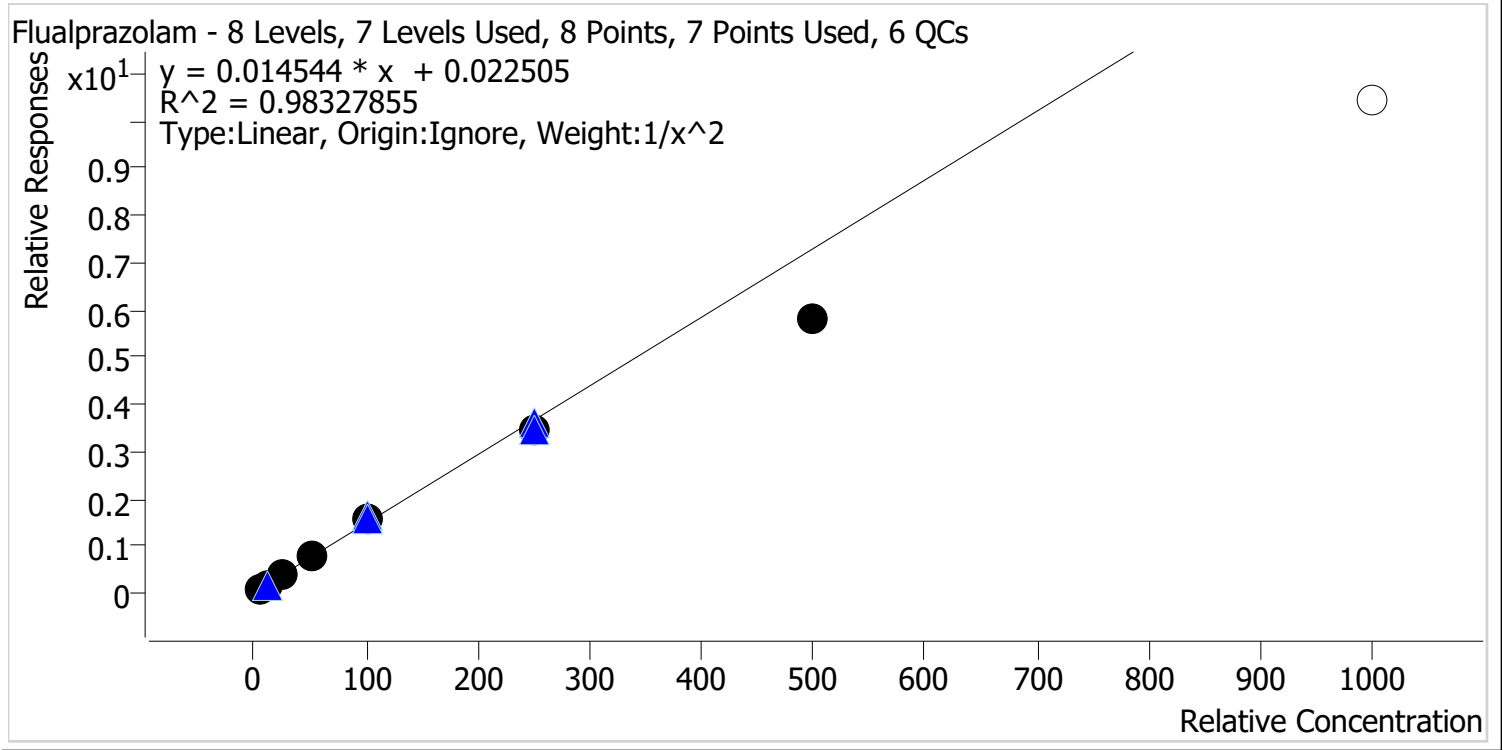


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.6
p1 Cal 4-50ng	4	✓	50.0	46.5	93.0
p1 Cal 5-100ng	5	✓	100.0	94.8	94.8
p1 Cal 6-250ng	6	✓	250.0	262.8	105.1
p1 Cal 7-500ng	7	✓	500.0	559.5	111.9
p1 Cal 8-1000ng	8	x	1000.0	1327.6	132.8



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



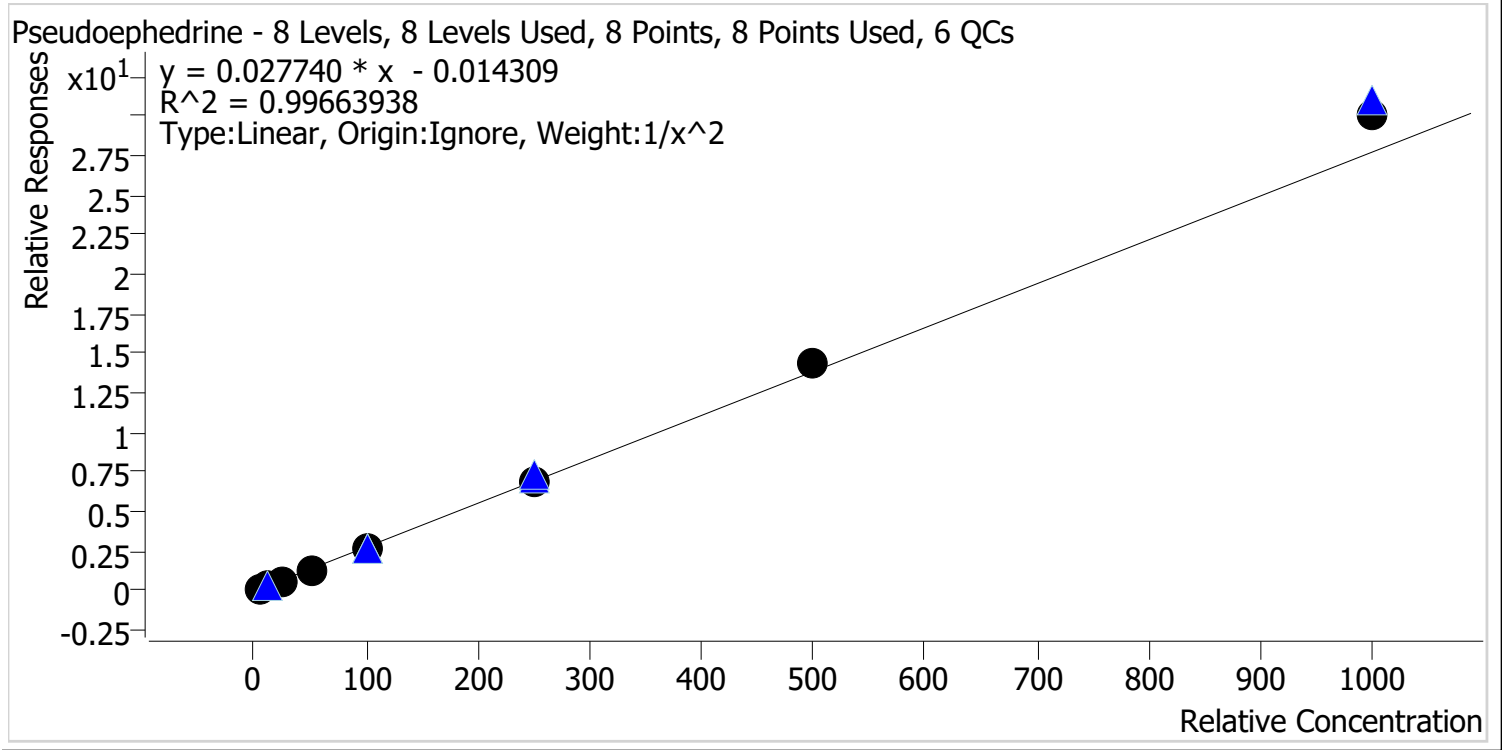
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.5
p1 Cal 2-10ng	2	✓	10.0	10.8	107.7
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.3
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	107.7	107.7
p1 Cal 6-250ng	6	✓	250.0	236.0	94.4
p1 Cal 7-500ng	7	✓	500.0	400.5	80.1
p1 Cal 8-1000ng	8	✗	1000.0	715.5	71.5

cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



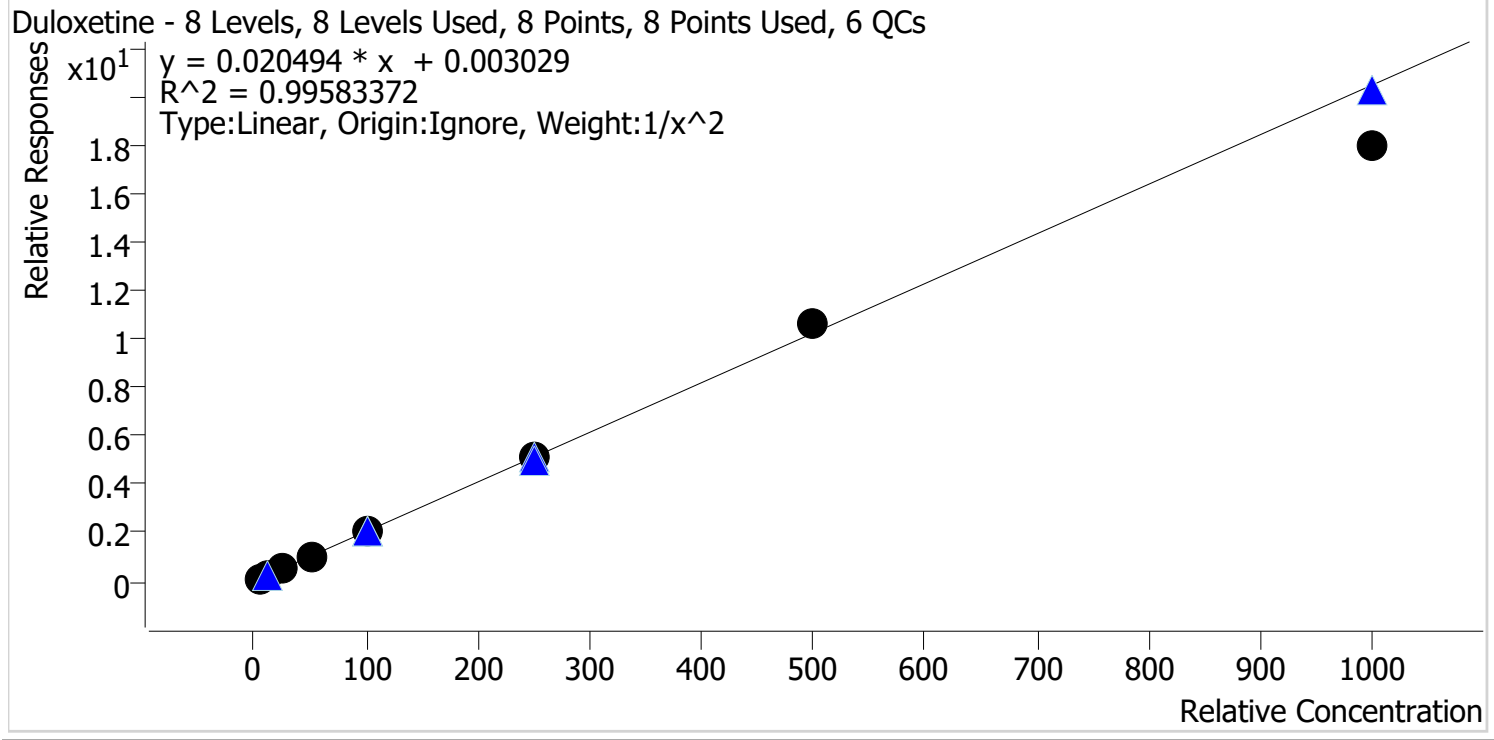
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.8
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	520.5	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1083.8	108.4

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 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	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	26.7	107.0
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	516.7	103.3
p1 Cal 8-1000ng	8	✓	1000.0	879.6	88.0

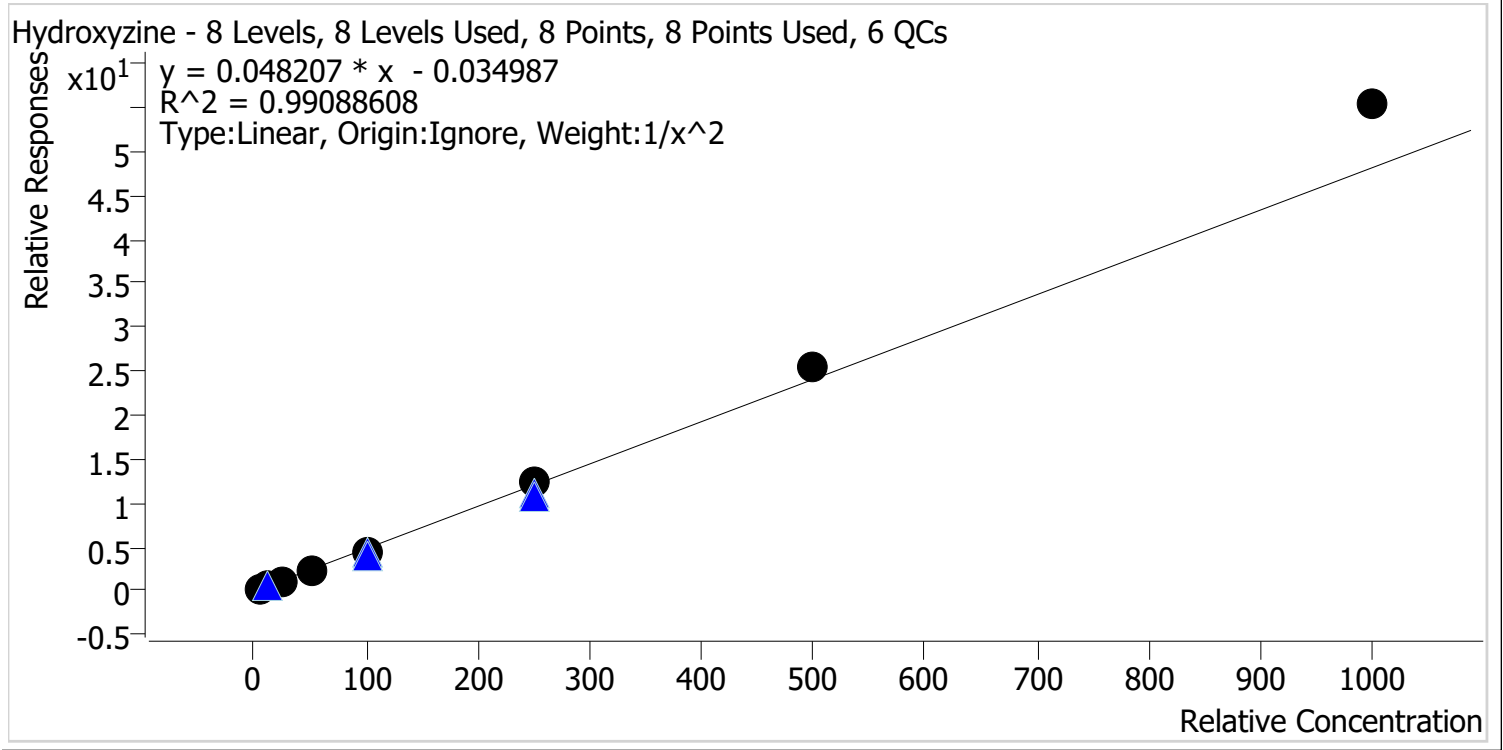


5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydroxyzine **Internal Standard** Dextromethorphan-D3



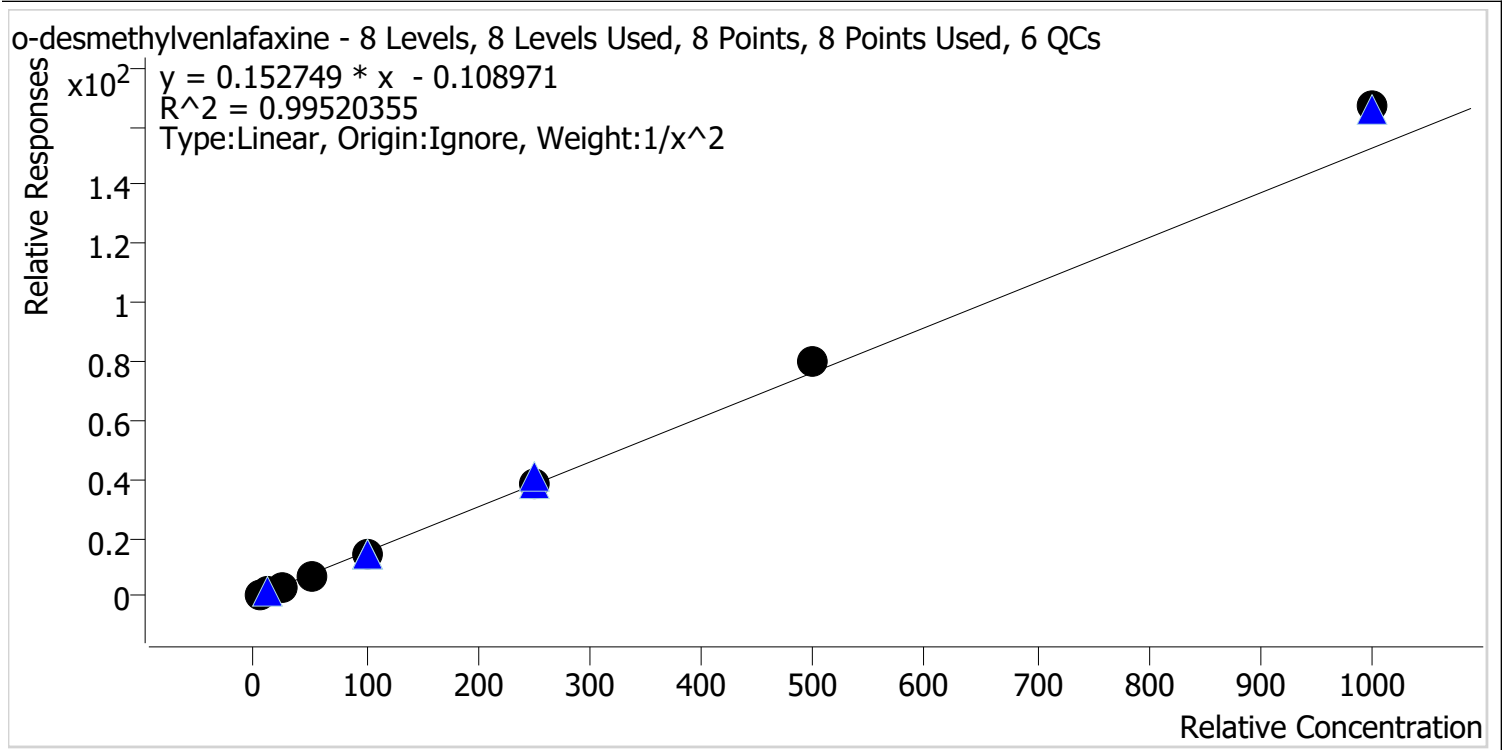
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.3
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.8
p1 Cal 4-50ng	4	✓	50.0	45.8	91.6
p1 Cal 5-100ng	5	✓	100.0	92.4	92.4
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	527.7	105.5
p1 Cal 8-1000ng	8	✓	1000.0	1155.2	115.5

5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6



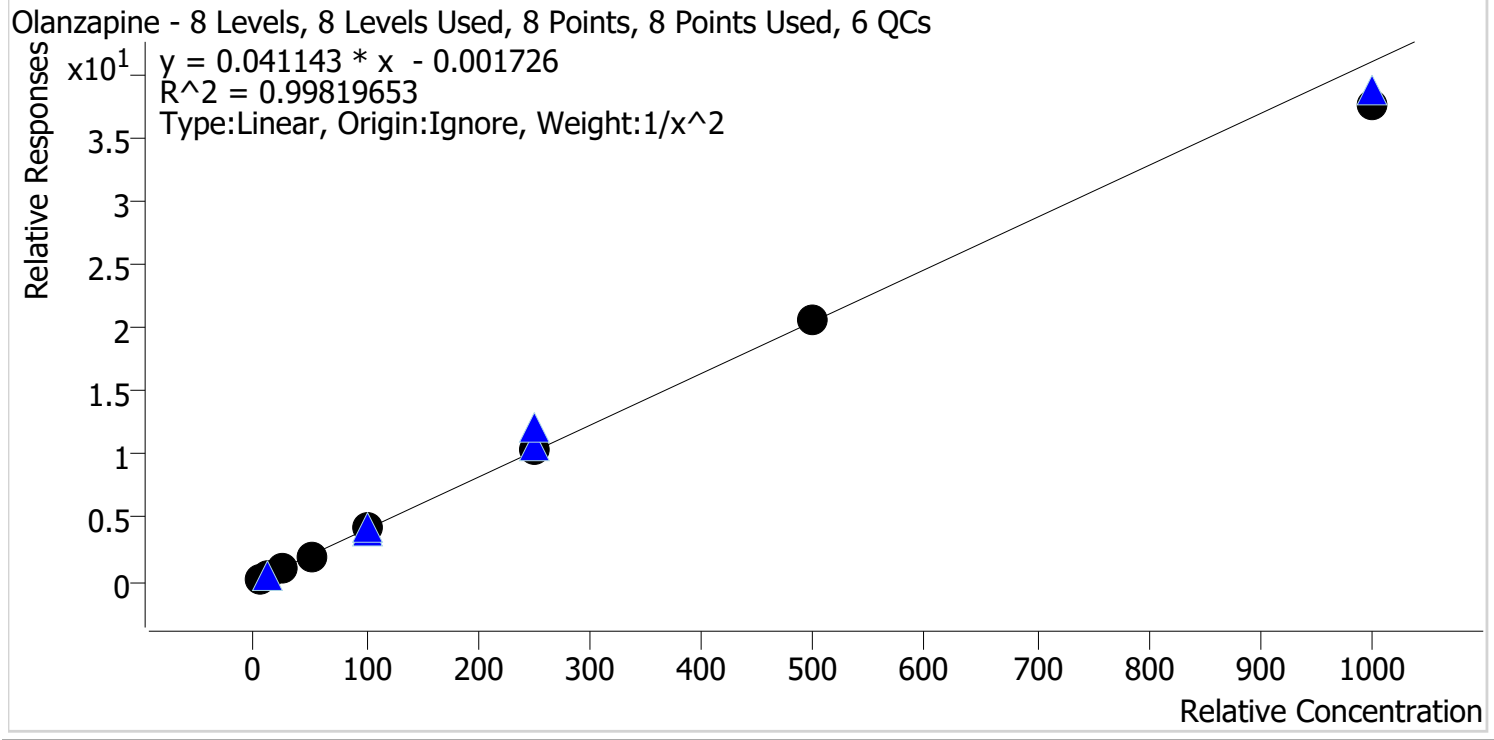
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.4
p1 Cal 4-50ng	4	✓	50.0	46.6	93.2
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	528.0	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1093.2	109.3

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Olanzapine **Internal Standard** Olanzapine-D8



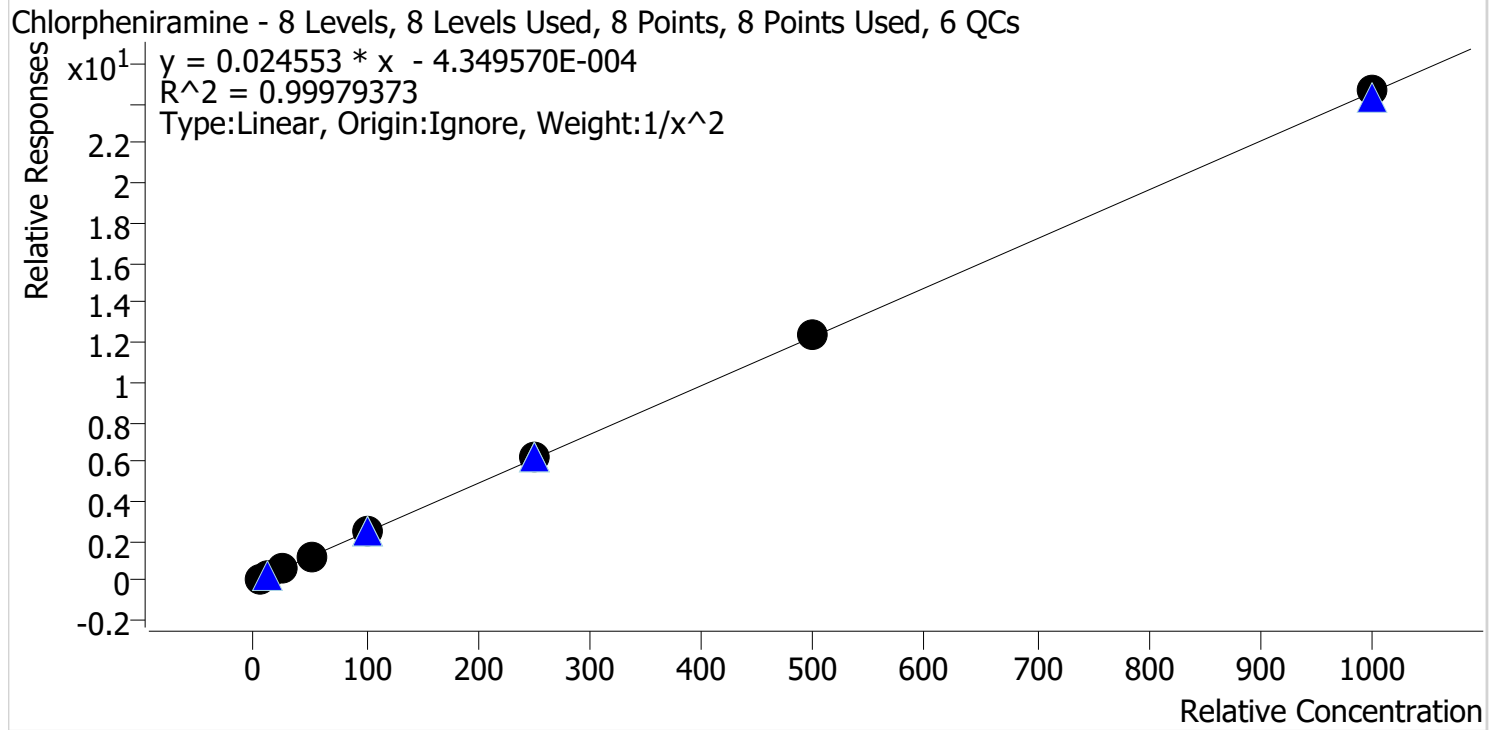
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	253.4	101.3
p1 Cal 7-500ng	7	✓	500.0	501.5	100.3
p1 Cal 8-1000ng	8	✓	1000.0	917.9	91.8

2



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Chlorpheniramine **Internal Standard** Chlorpheniramine-D6



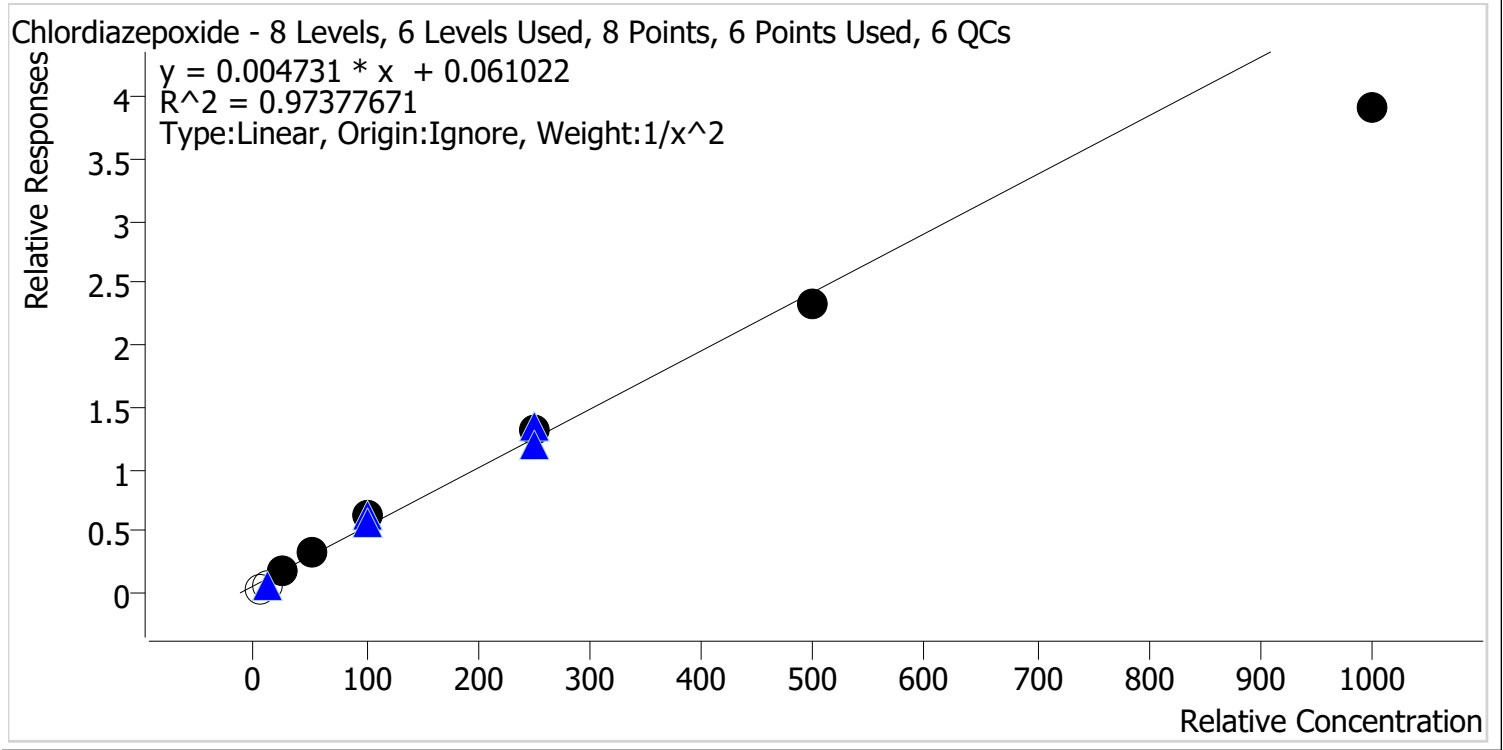
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	252.9	101.1
p1 Cal 7-500ng	7	✓	500.0	506.4	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1003.4	100.3

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Chlordiazepoxide **Internal Standard** Chlordiazepoxide-D5



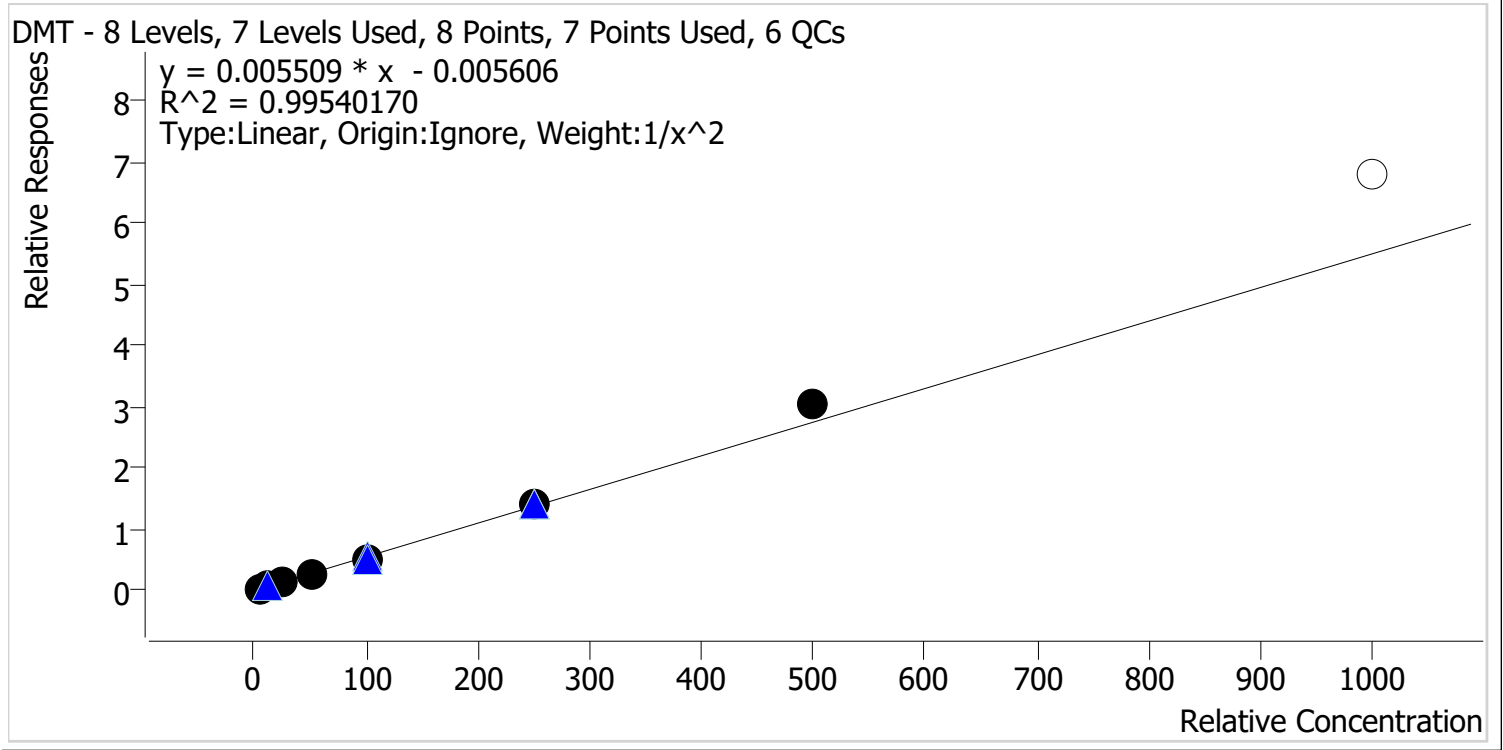
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	0.0	0.0
p1 Cal 2-10ng	2	x	10.0	1.5	15.1
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.9
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	116.9	116.9
p1 Cal 6-250ng	6	✓	250.0	262.8	105.1
p1 Cal 7-500ng	7	✓	500.0	477.8	95.6
p1 Cal 8-1000ng	8	✓	1000.0	814.1	81.4

NOT EVALUATED.



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** DMT **Internal Standard** Dextromethorphan-D3



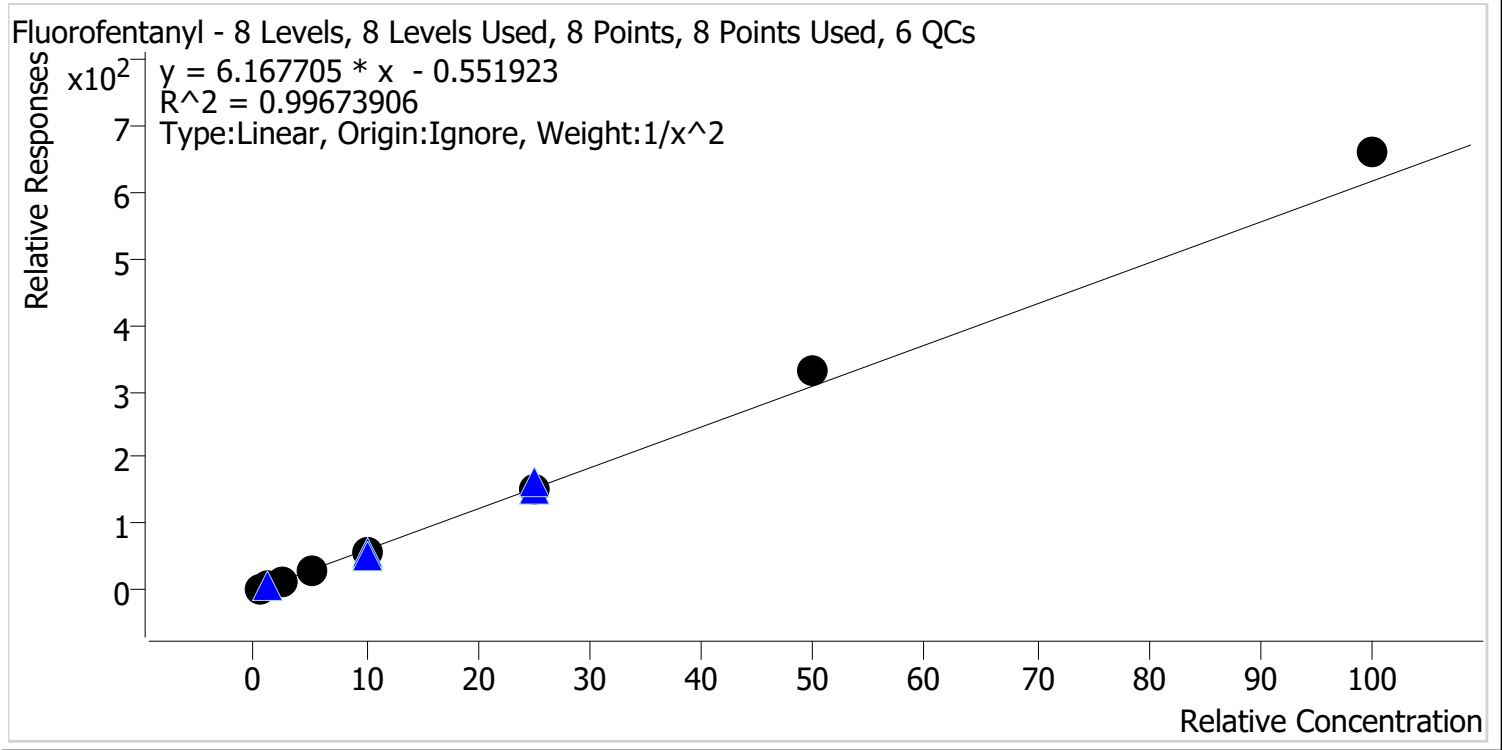
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	47.1	94.2
p1 Cal 5-100ng	5	✓	100.0	94.6	94.6
p1 Cal 6-250ng	6	✓	250.0	261.2	104.5
p1 Cal 7-500ng	7	✓	500.0	548.6	109.7
p1 Cal 8-1000ng	8	✗	1000.0	1232.9	123.3

NOT EVALUATED.



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluorofentanyl **Internal Standard** Fluorofentanyl-D5



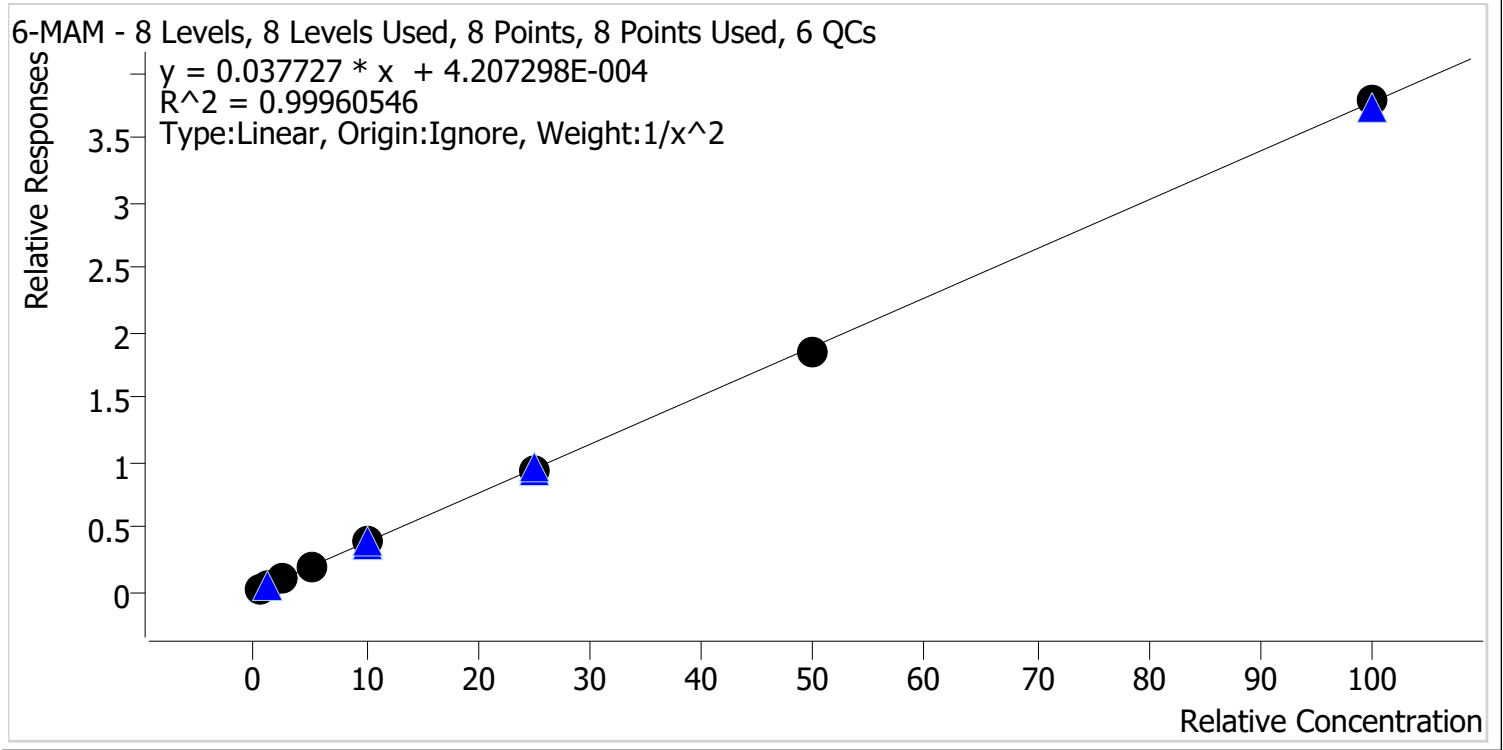
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.3
p1 Cal 2-10ng	2	✓	1.0	1.0	97.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.6
p1 Cal 4-50ng	4	✓	5.0	4.9	98.1
p1 Cal 5-100ng	5	✓	10.0	9.4	93.6
p1 Cal 6-250ng	6	✓	25.0	24.6	98.5
p1 Cal 7-500ng	7	✓	50.0	53.5	107.0
p1 Cal 8-1000ng	8	✓	100.0	106.9	106.9

5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 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	99.6
p1 Cal 2-10ng	2	✓	1.0	1.0	101.3
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.4
p1 Cal 4-50ng	4	✓	5.0	5.0	99.0
p1 Cal 5-100ng	5	✓	10.0	10.4	103.5
p1 Cal 6-250ng	6	✓	25.0	24.9	99.5
p1 Cal 7-500ng	7	✓	50.0	49.2	98.3
p1 Cal 8-1000ng	8	✓	100.0	100.3	100.3

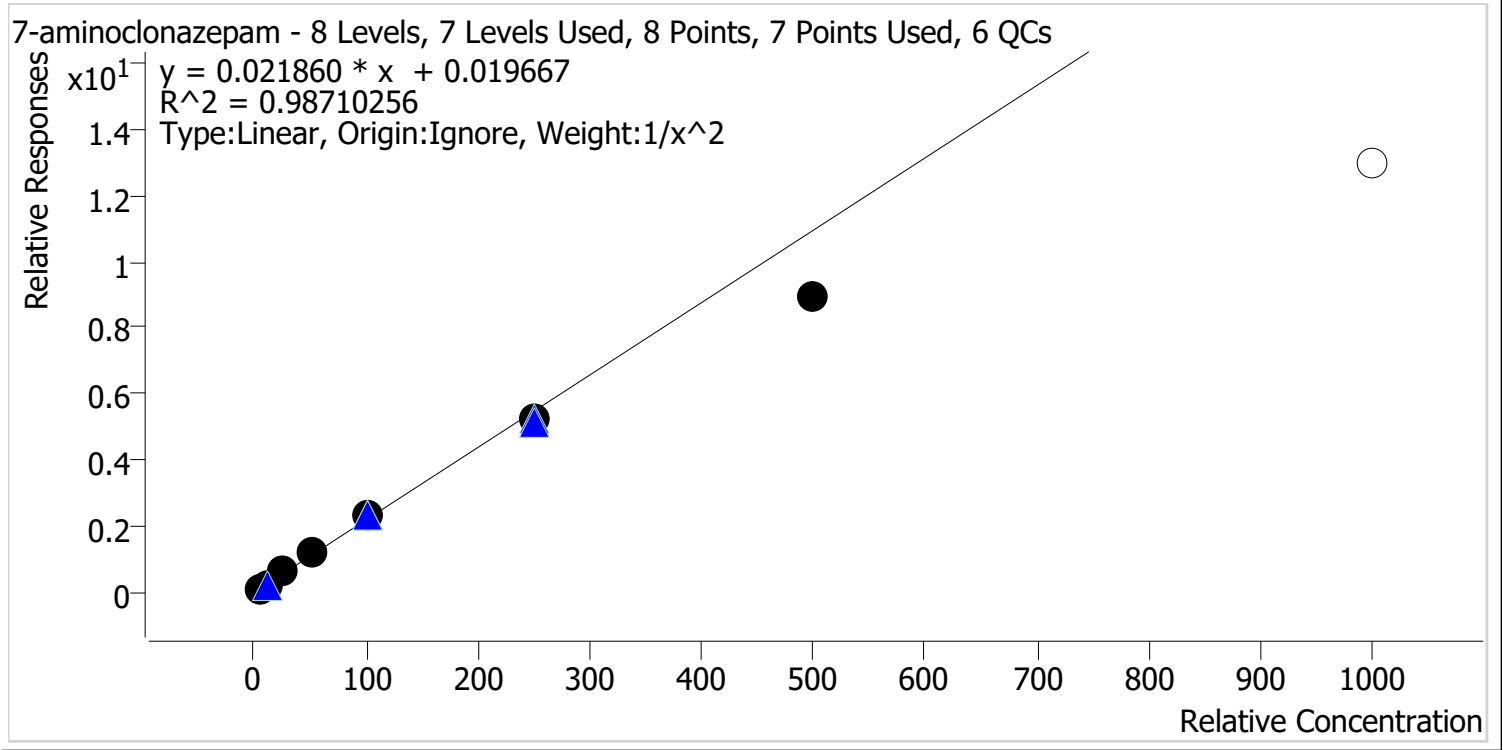


CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



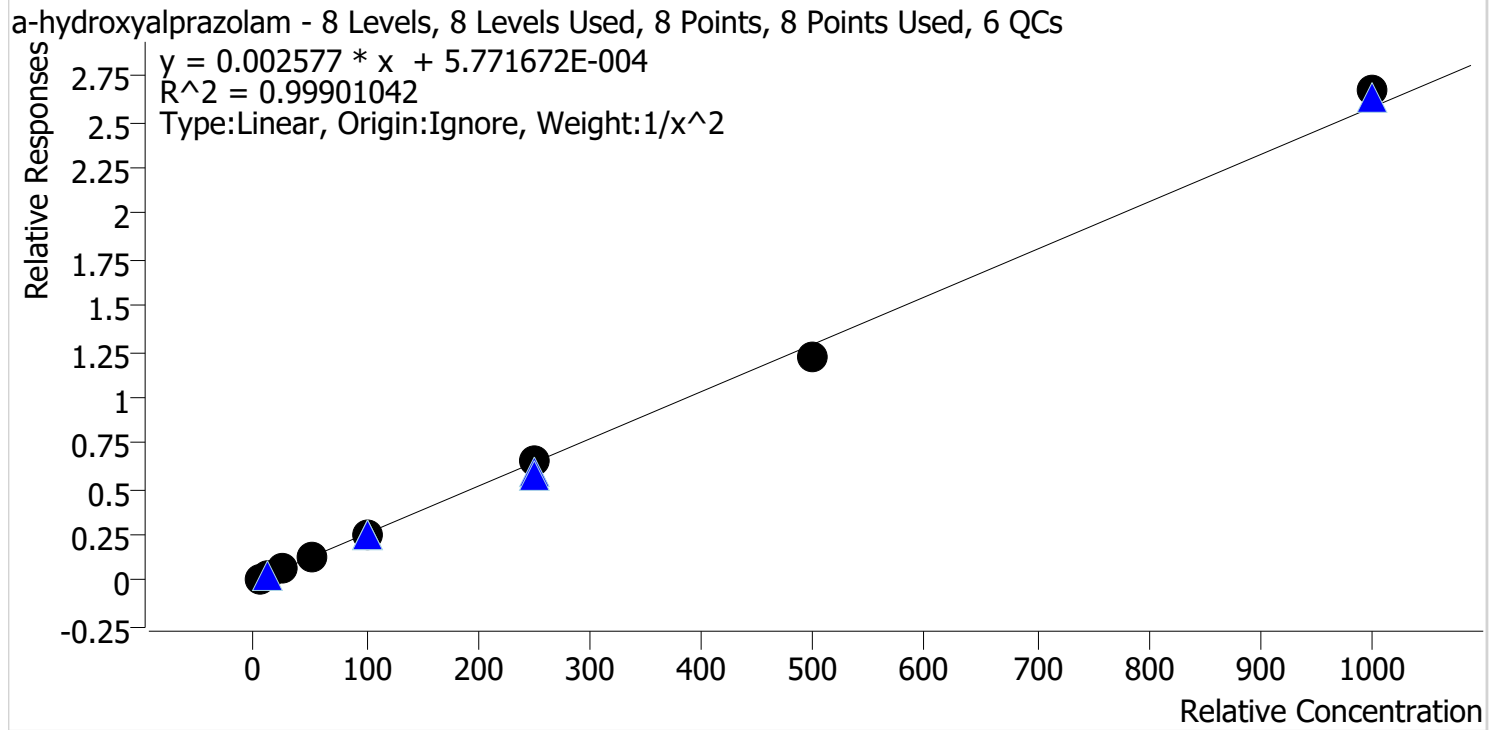
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.8
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	107.5	107.5
p1 Cal 6-250ng	6	✓	250.0	240.9	96.4
p1 Cal 7-500ng	7	✓	500.0	407.6	81.5
p1 Cal 8-1000ng	8	✗	1000.0	590.8	59.1

5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Temazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	474.2	94.8
p1 Cal 8-1000ng	8	✓	1000.0	1035.1	103.5

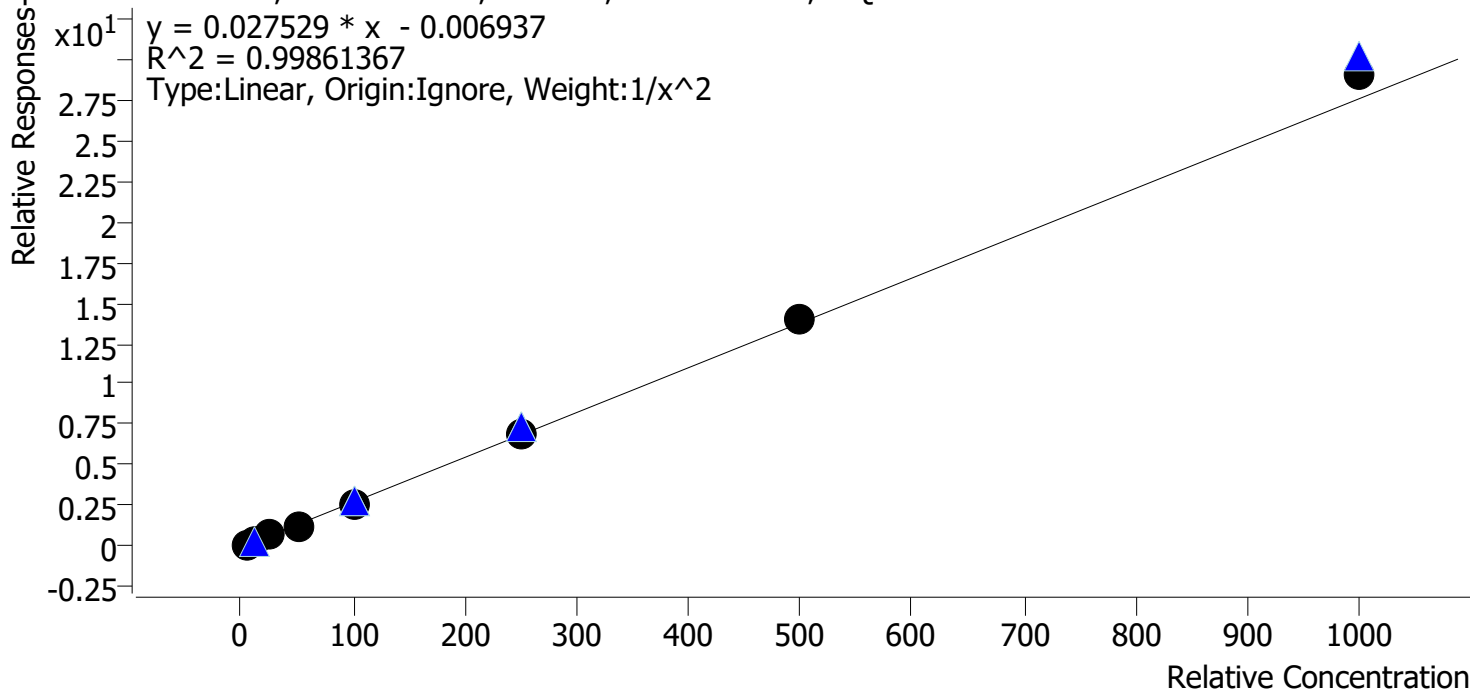
CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-D8

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



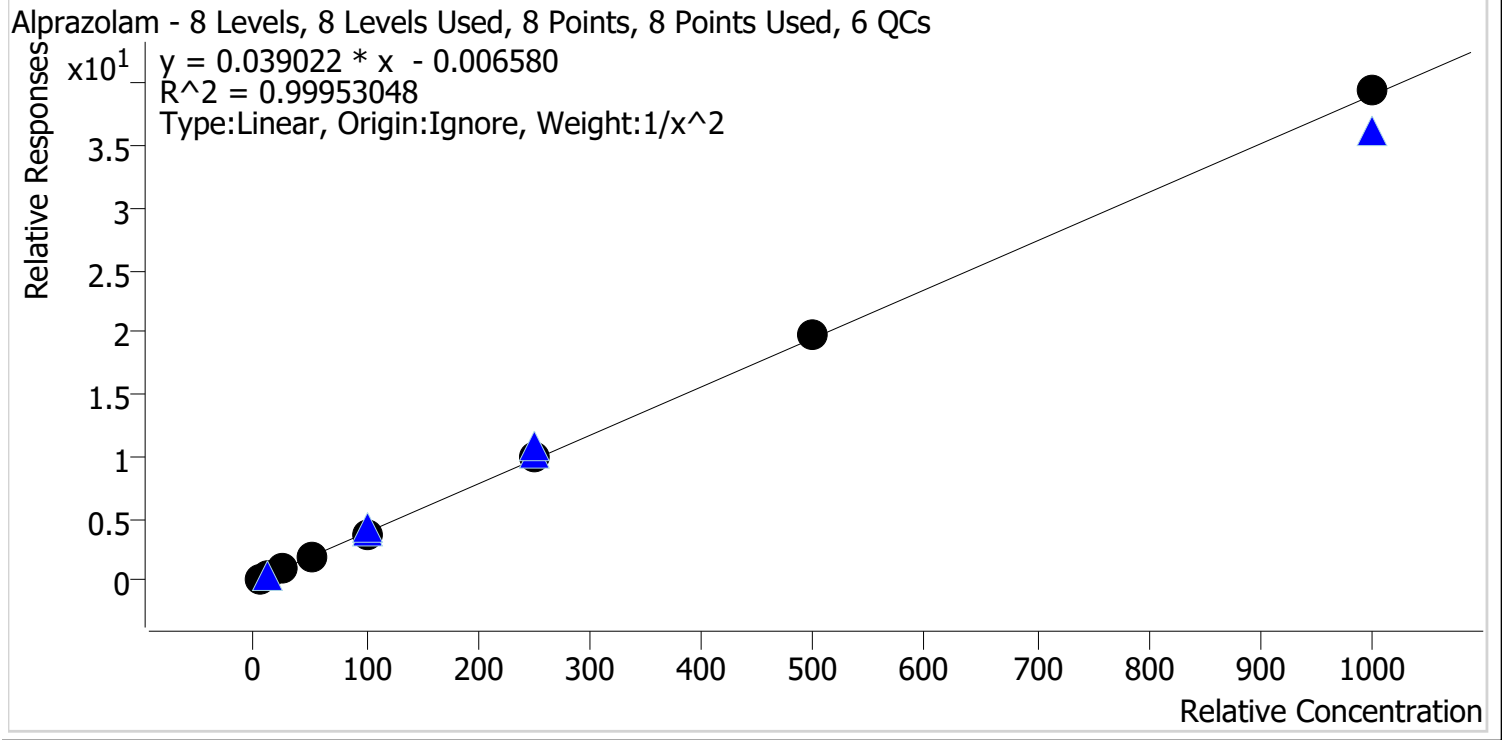
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	252.9	101.1
p1 Cal 7-500ng	7	✓	500.0	509.2	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1055.9	105.6

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



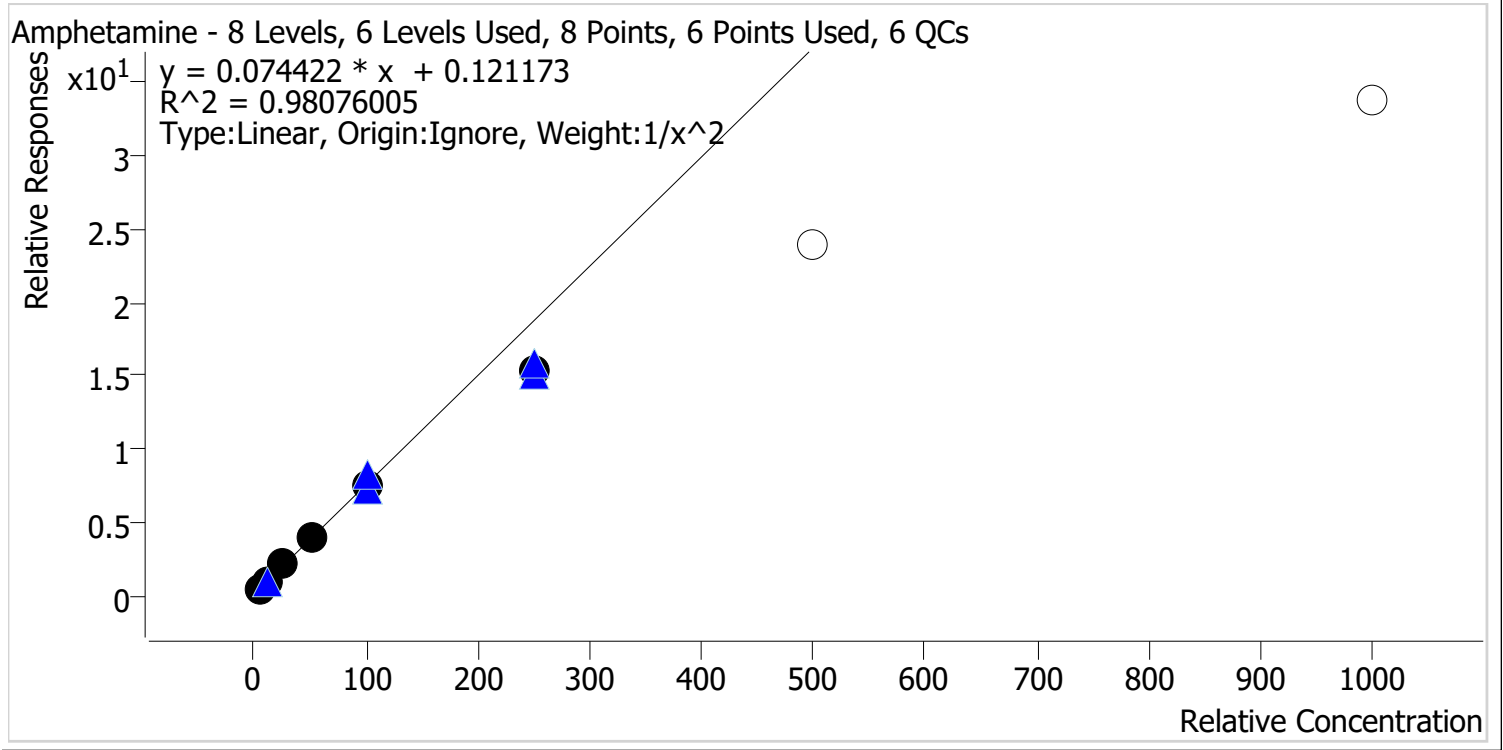
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	48.4	96.9
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	507.9	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1009.7	101.0

5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



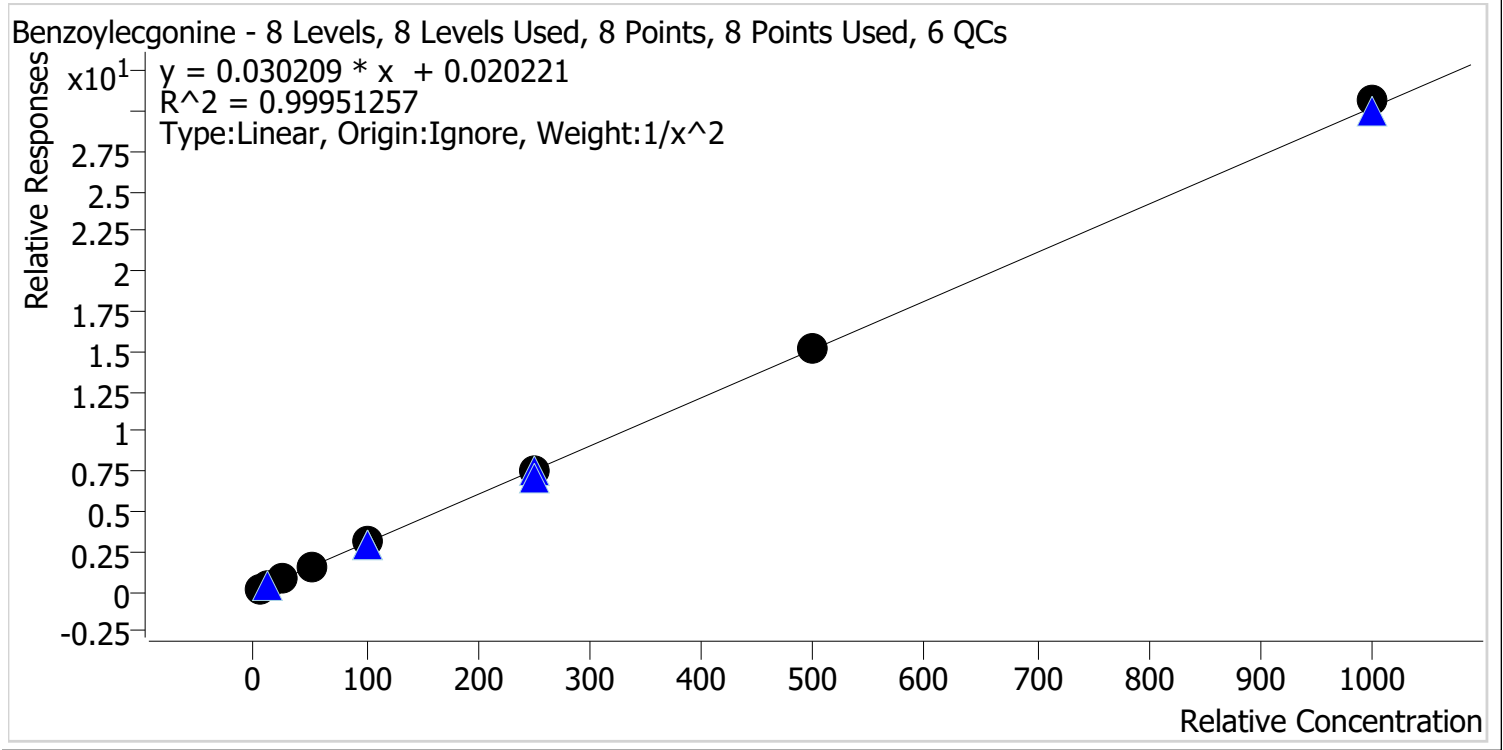
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.2
p1 Cal 2-10ng	2	✓	10.0	10.8	108.4
p1 Cal 3 -25ng	3	✓	25.0	28.1	112.3
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	202.9	81.2
p1 Cal 7-500ng	7	x	500.0	320.2	64.0
p1 Cal 8-1000ng	8	x	1000.0	451.6	45.2

5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



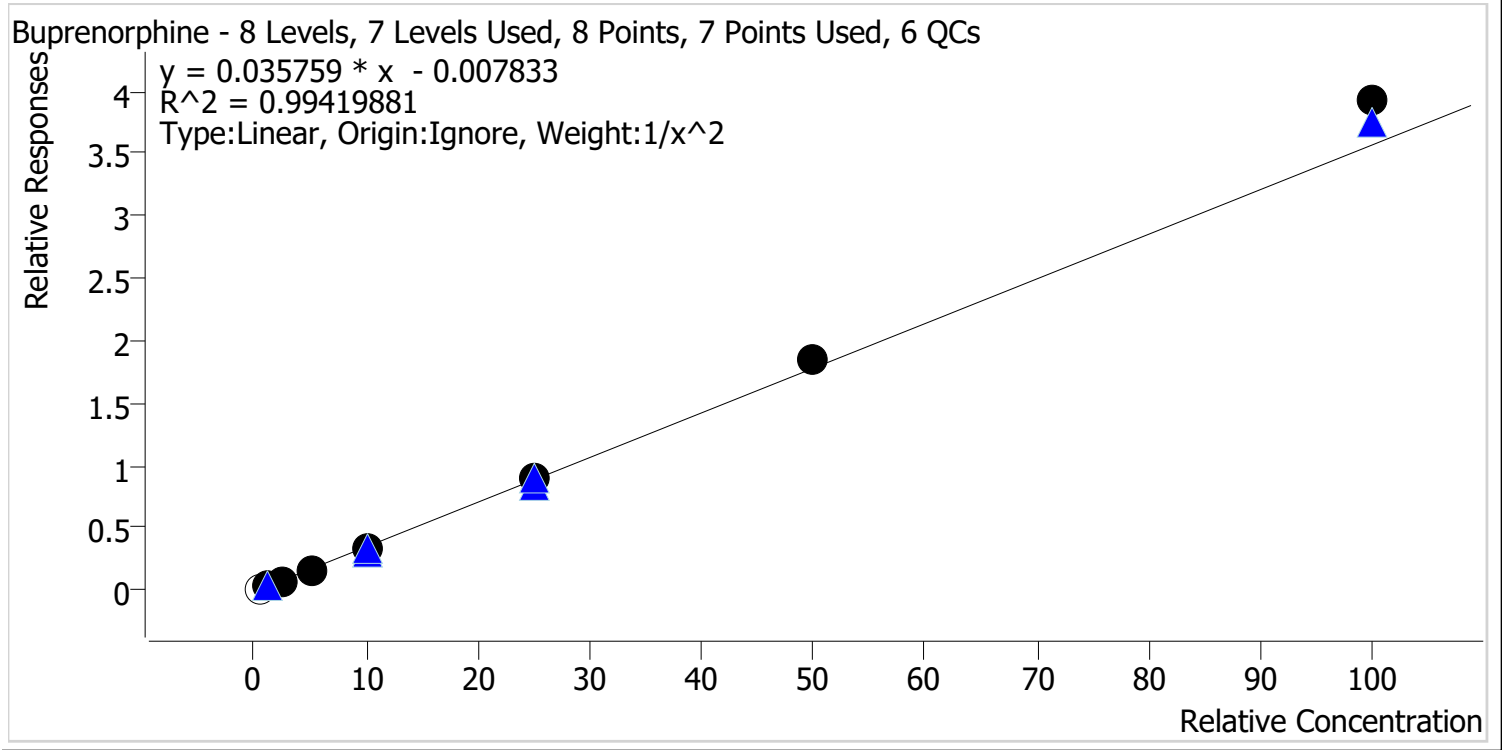
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	249.9	99.9
p1 Cal 7-500ng	7	✓	500.0	500.8	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1014.3	101.4

CF



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



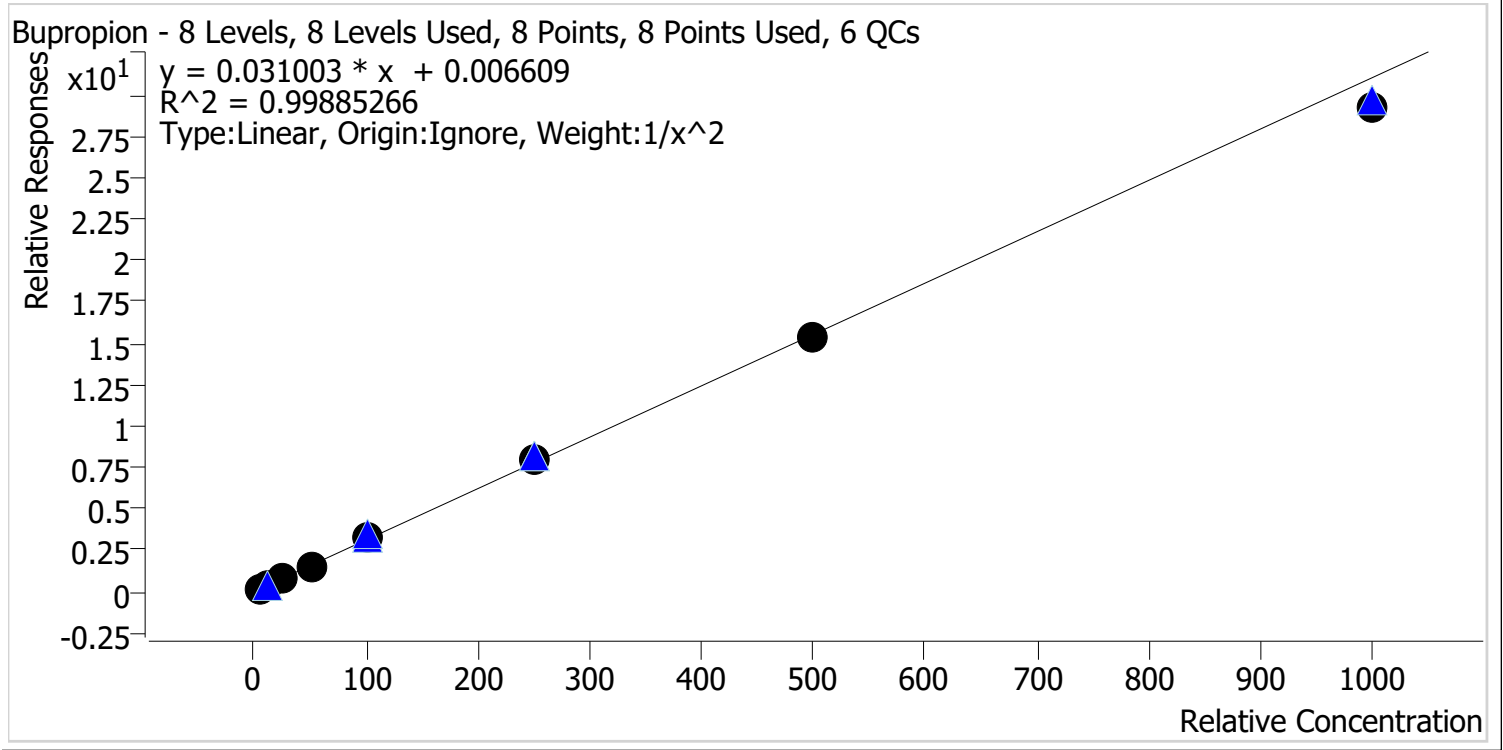
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.6	125.0
p1 Cal 2-10ng	2	✓	1.0	1.0	103.3
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.6
p1 Cal 4-50ng	4	✓	5.0	4.5	90.1
p1 Cal 5-100ng	5	✓	10.0	9.5	94.6
p1 Cal 6-250ng	6	✓	25.0	25.1	100.5
p1 Cal 7-500ng	7	✓	50.0	52.0	103.9
p1 Cal 8-1000ng	8	✓	100.0	109.9	109.9

cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 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	99.4
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	258.2	103.3
p1 Cal 7-500ng	7	✓	500.0	492.3	98.5
p1 Cal 8-1000ng	8	✓	1000.0	939.3	93.9

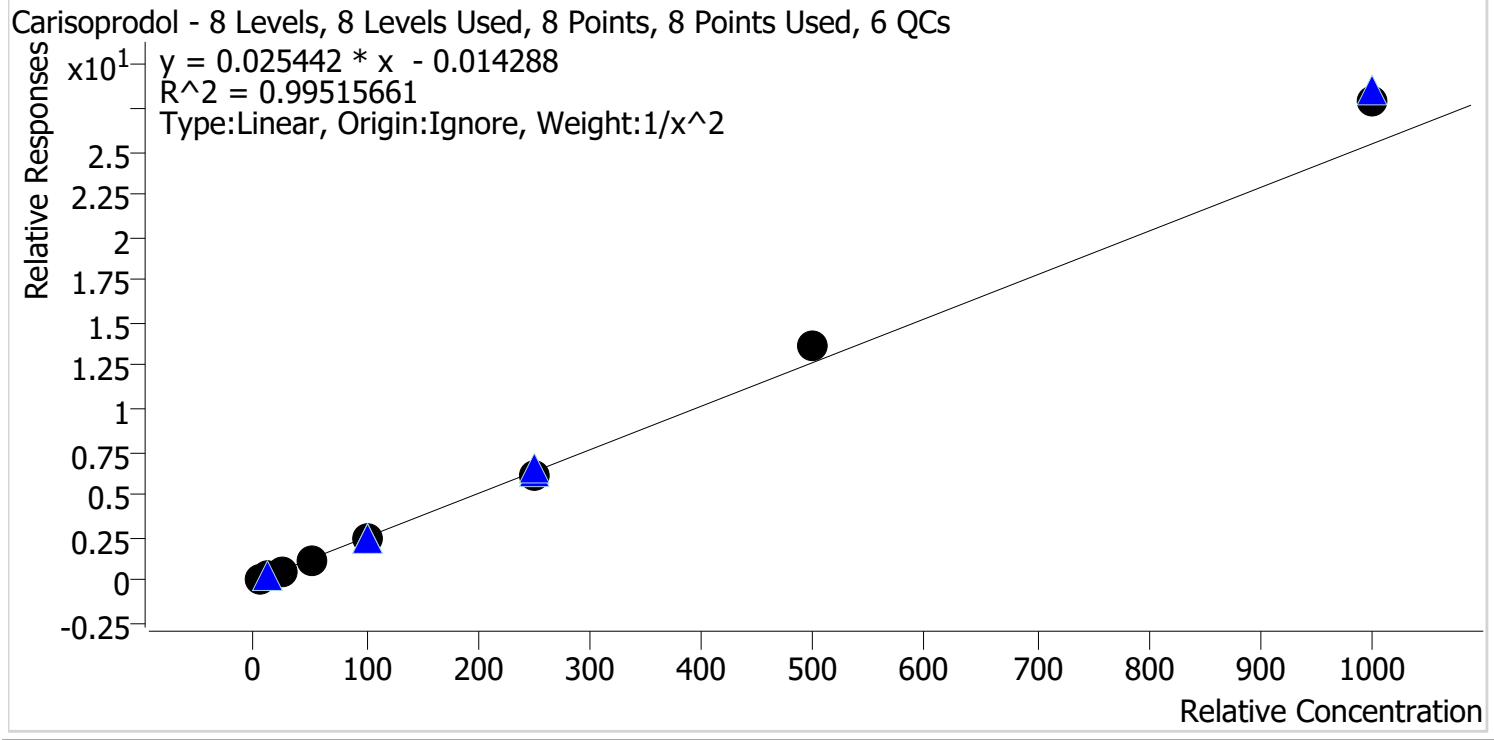


5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

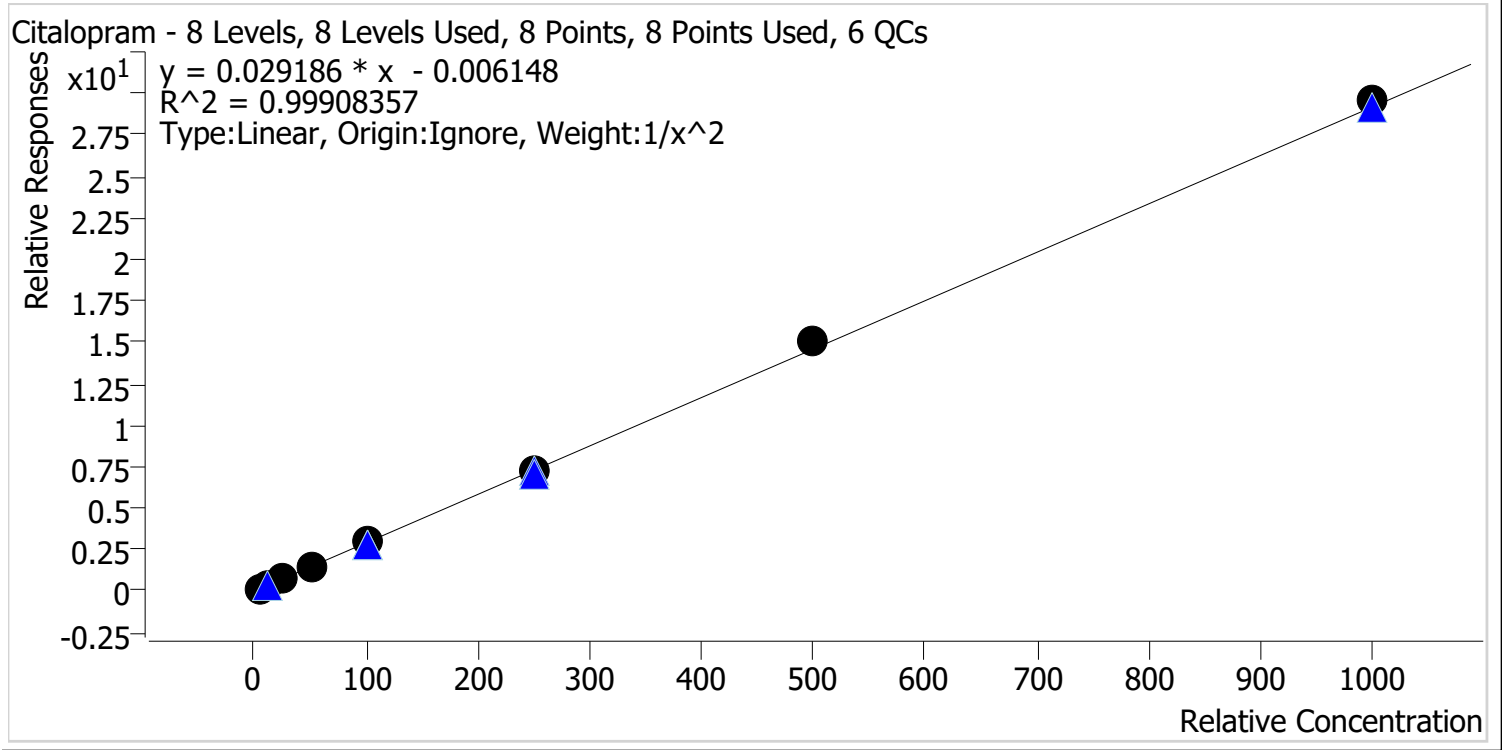


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	46.9	93.7
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	245.4	98.2
p1 Cal 7-500ng	7	✓	500.0	535.7	107.1
p1 Cal 8-1000ng	8	✓	1000.0	1098.5	109.8



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6



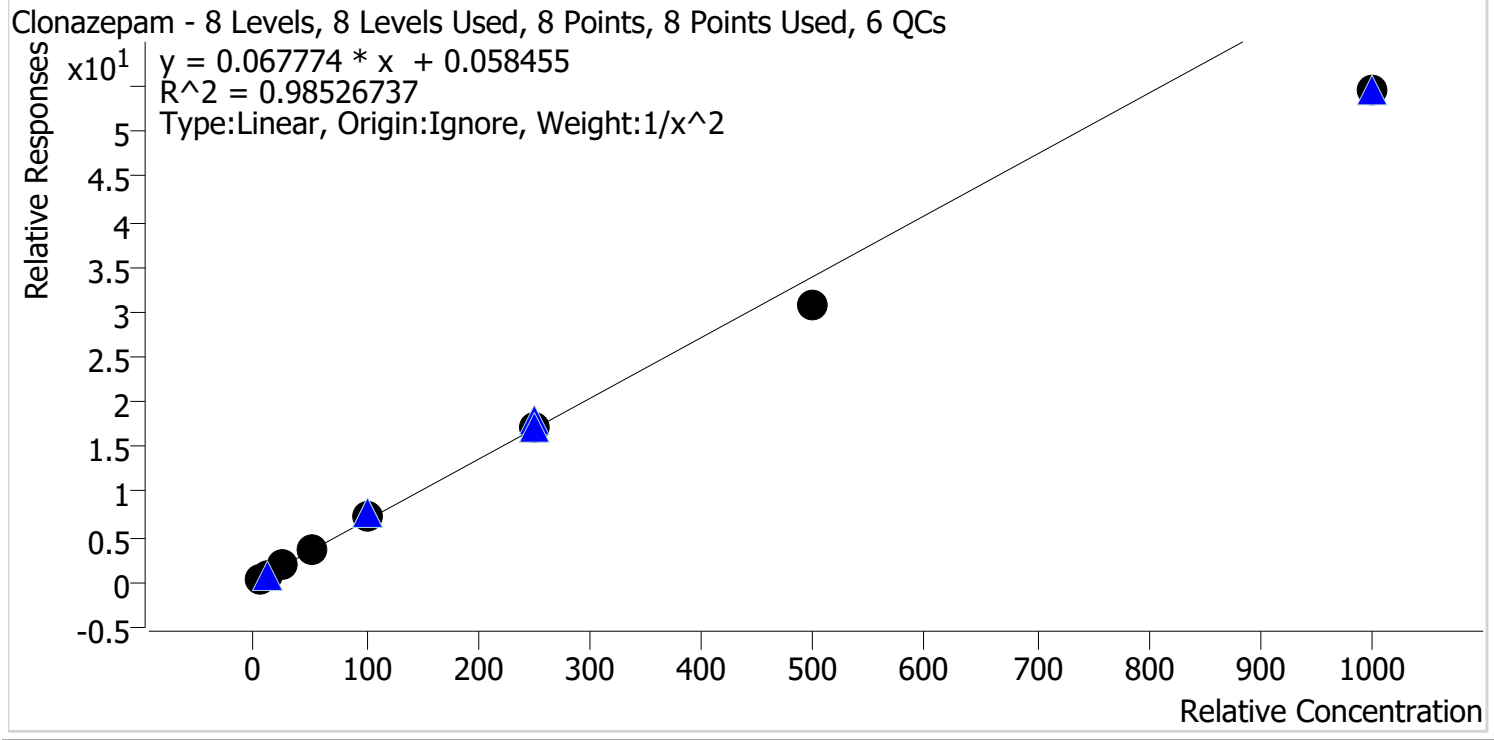
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	47.9	95.7
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	520.5	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1013.4	101.3

5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

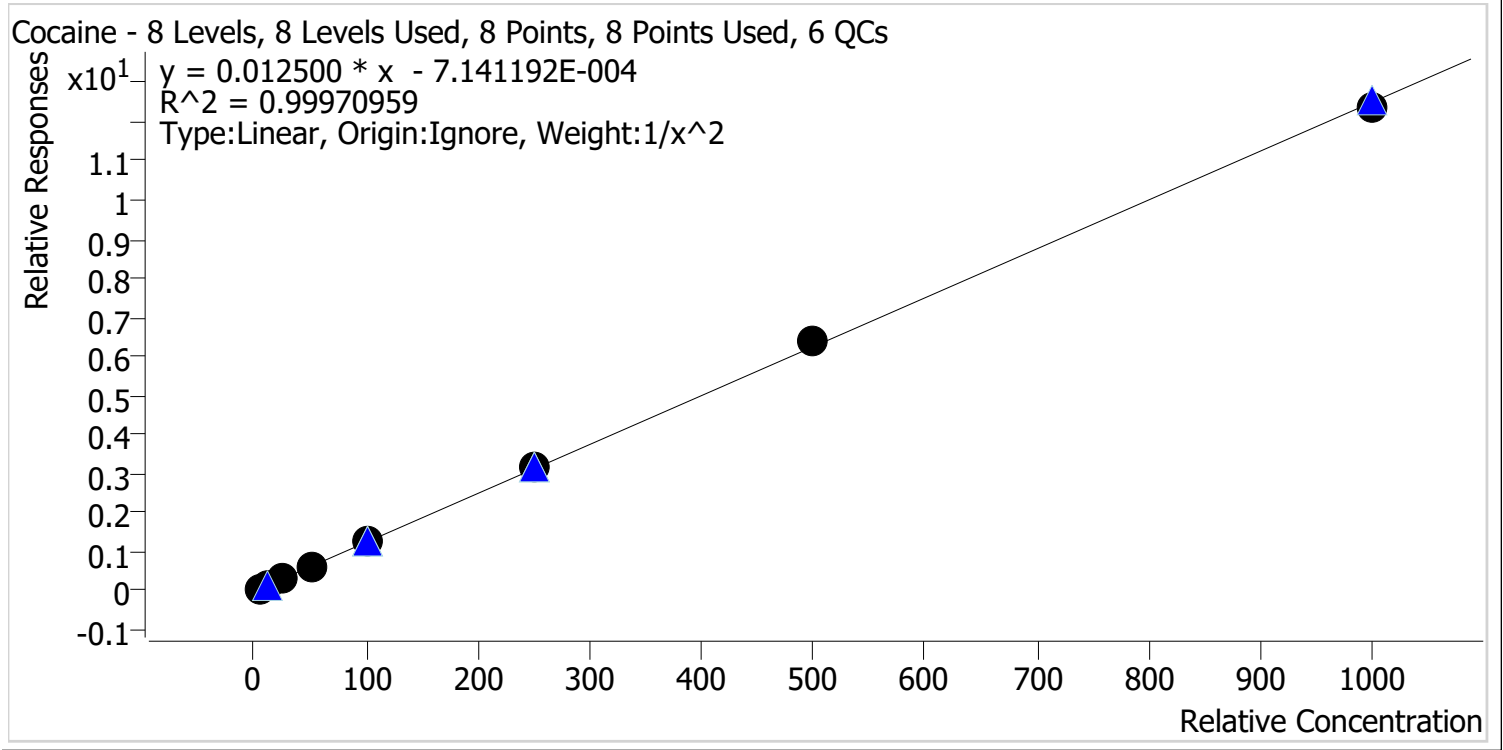


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.3
p1 Cal 2-10ng	2	✓	10.0	10.5	105.2
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.1
p1 Cal 4-50ng	4	✓	50.0	55.0	110.1
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	455.2	91.0
p1 Cal 8-1000ng	8	✓	1000.0	802.6	80.3



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-D3



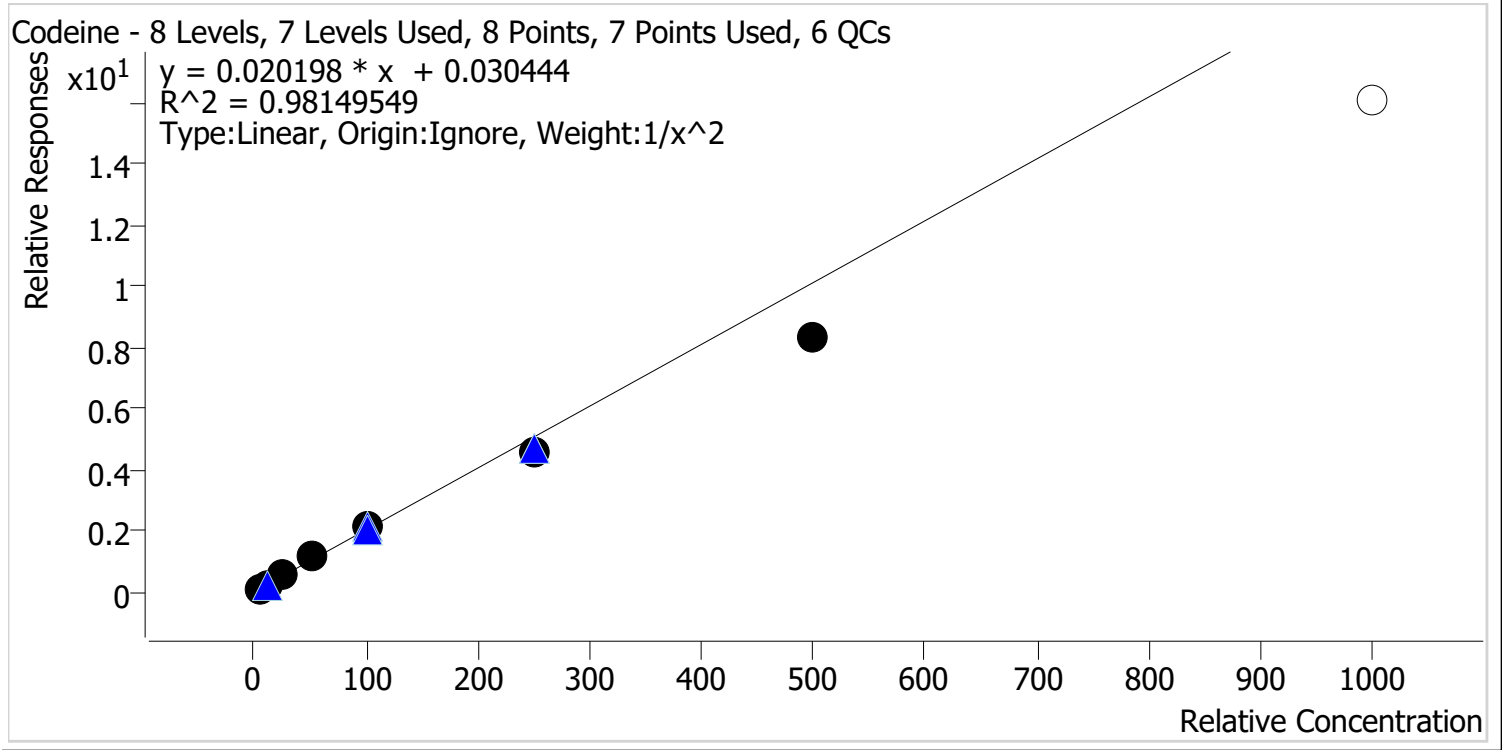
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	510.2	102.0
p1 Cal 8-1000ng	8	✓	1000.0	991.4	99.1

5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



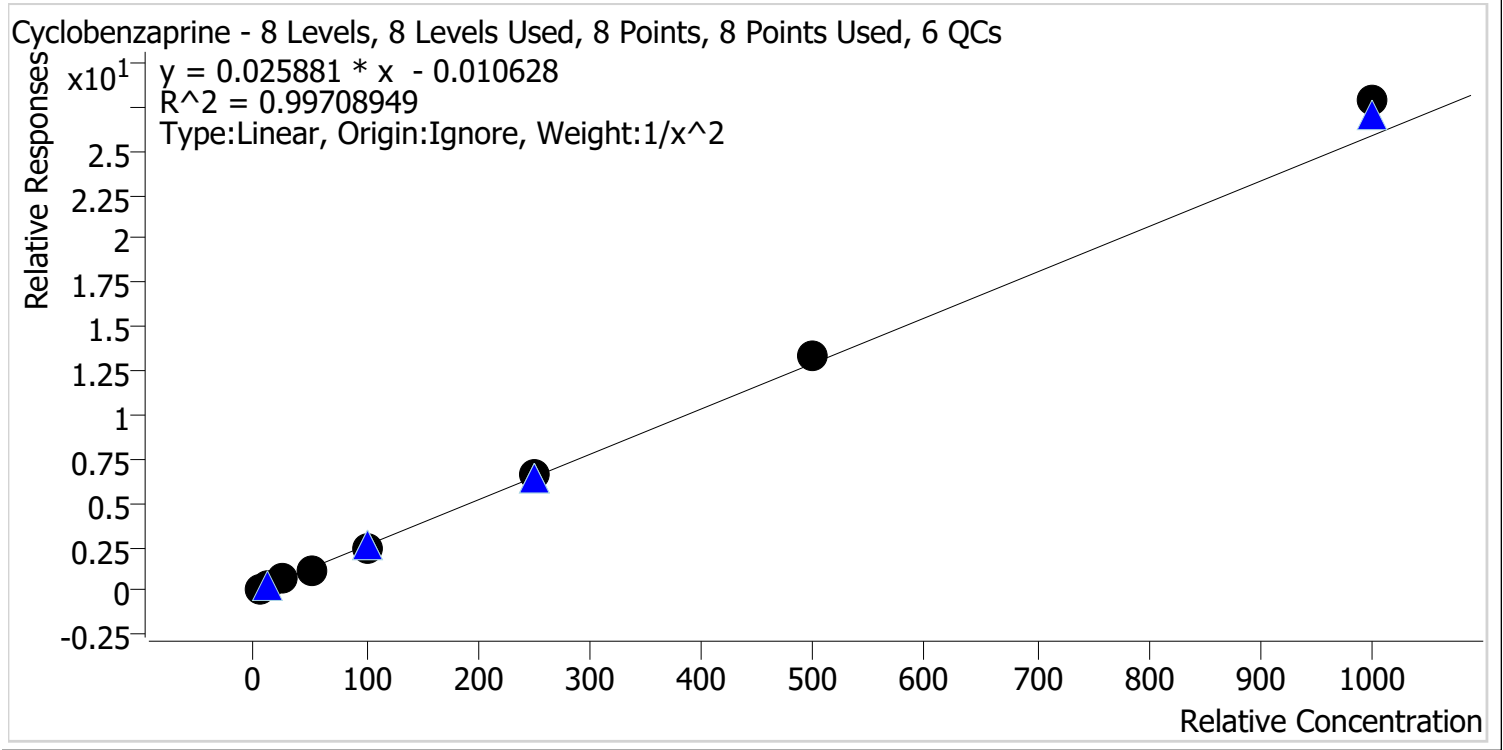
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	92.8
p1 Cal 2-10ng	2	✓	10.0	10.8	107.8
p1 Cal 3 -25ng	3	✓	25.0	27.9	111.6
p1 Cal 4-50ng	4	✓	50.0	55.4	110.9
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	223.1	89.2
p1 Cal 7-500ng	7	✓	500.0	413.2	82.6
p1 Cal 8-1000ng	8	✗	1000.0	794.3	79.4

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 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	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	46.5	93.1
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	520.1	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1076.8	107.7

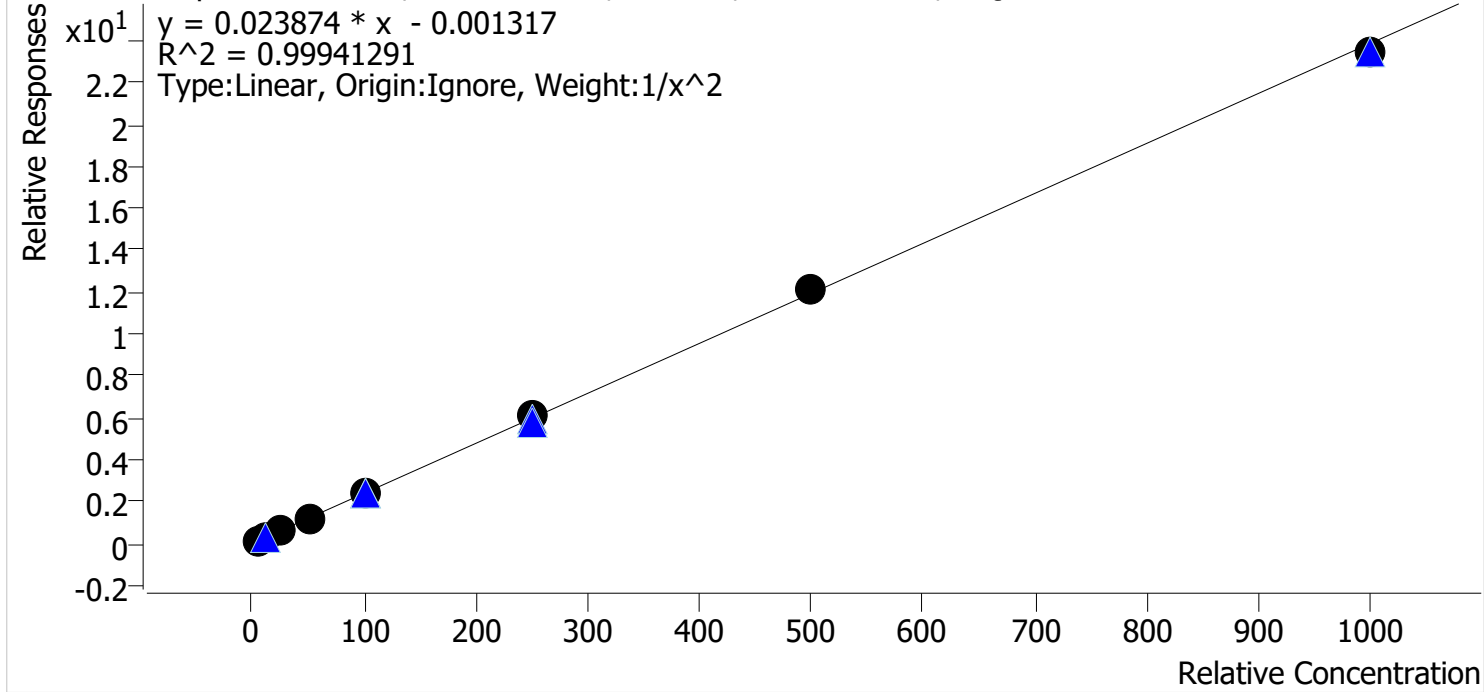
CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



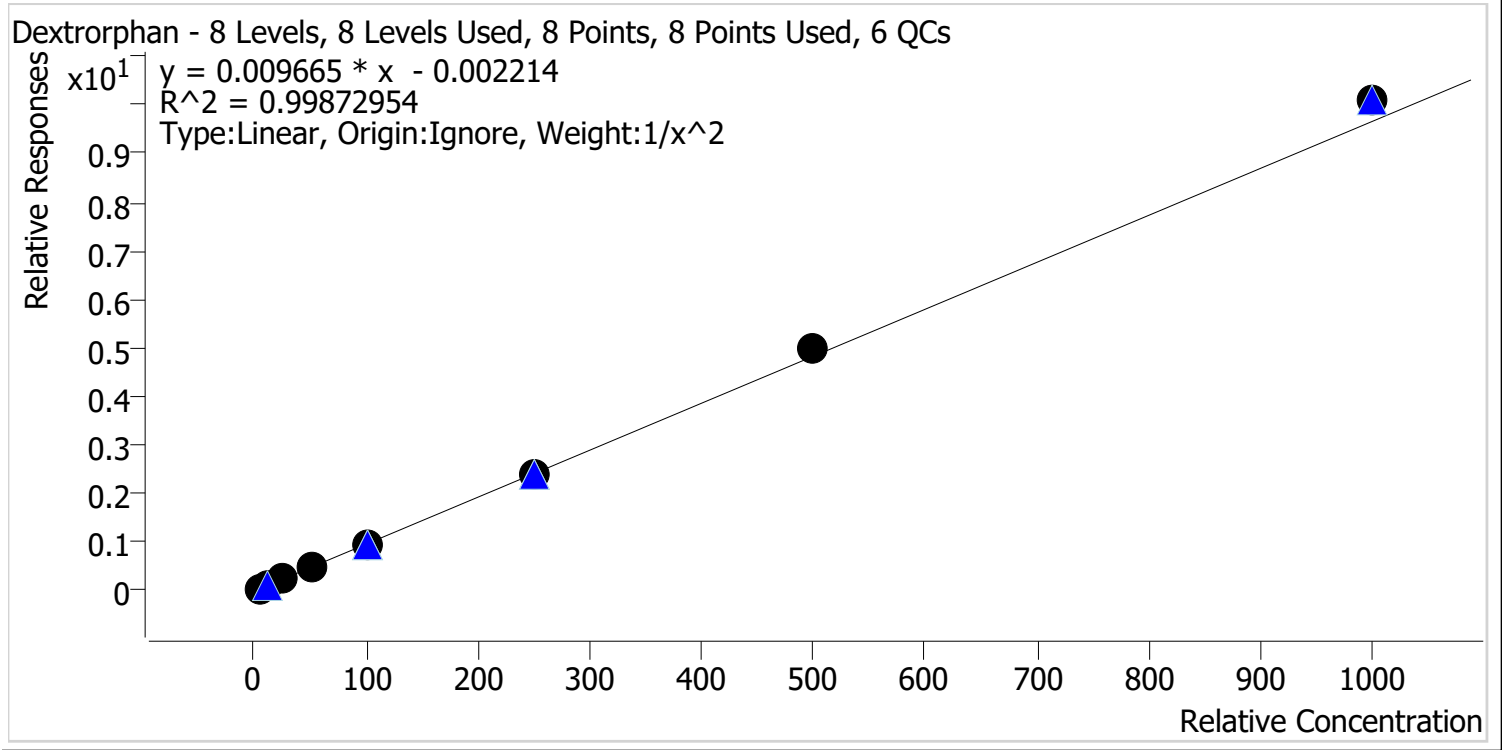
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	508.4	101.7
p1 Cal 8-1000ng	8	✓	1000.0	981.7	98.2

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 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	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	47.7	95.5
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	517.0	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1044.4	104.4

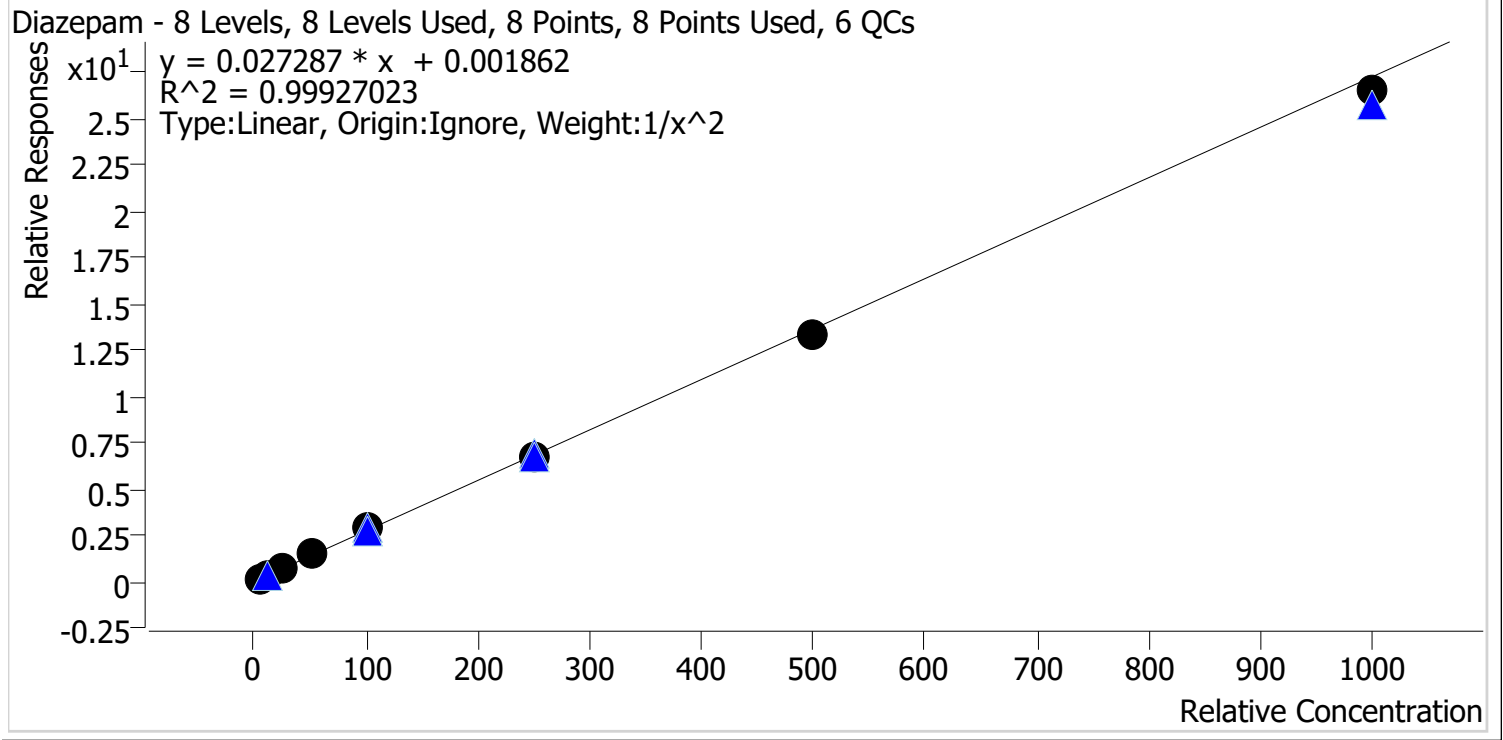


CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



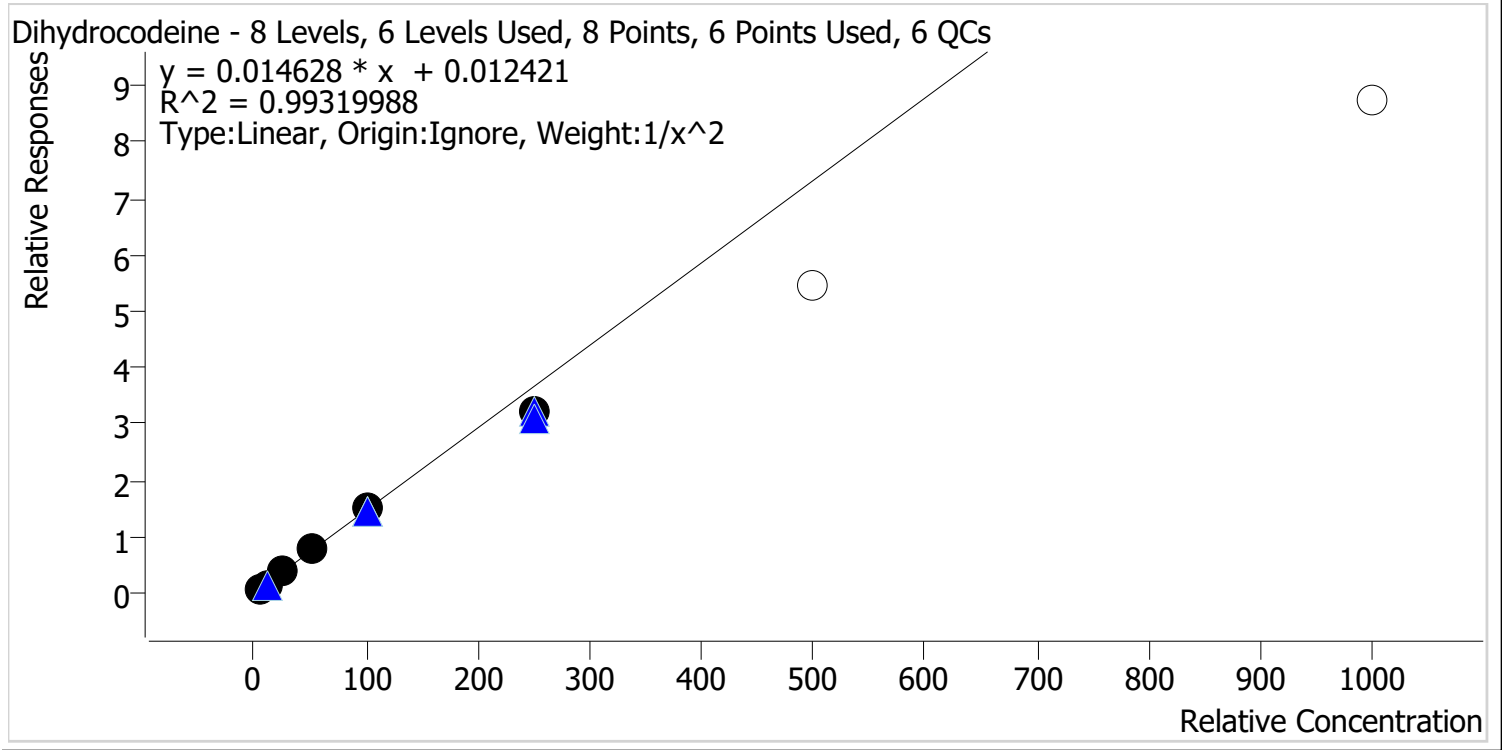
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	485.9	97.2
p1 Cal 8-1000ng	8	✓	1000.0	972.7	97.3

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



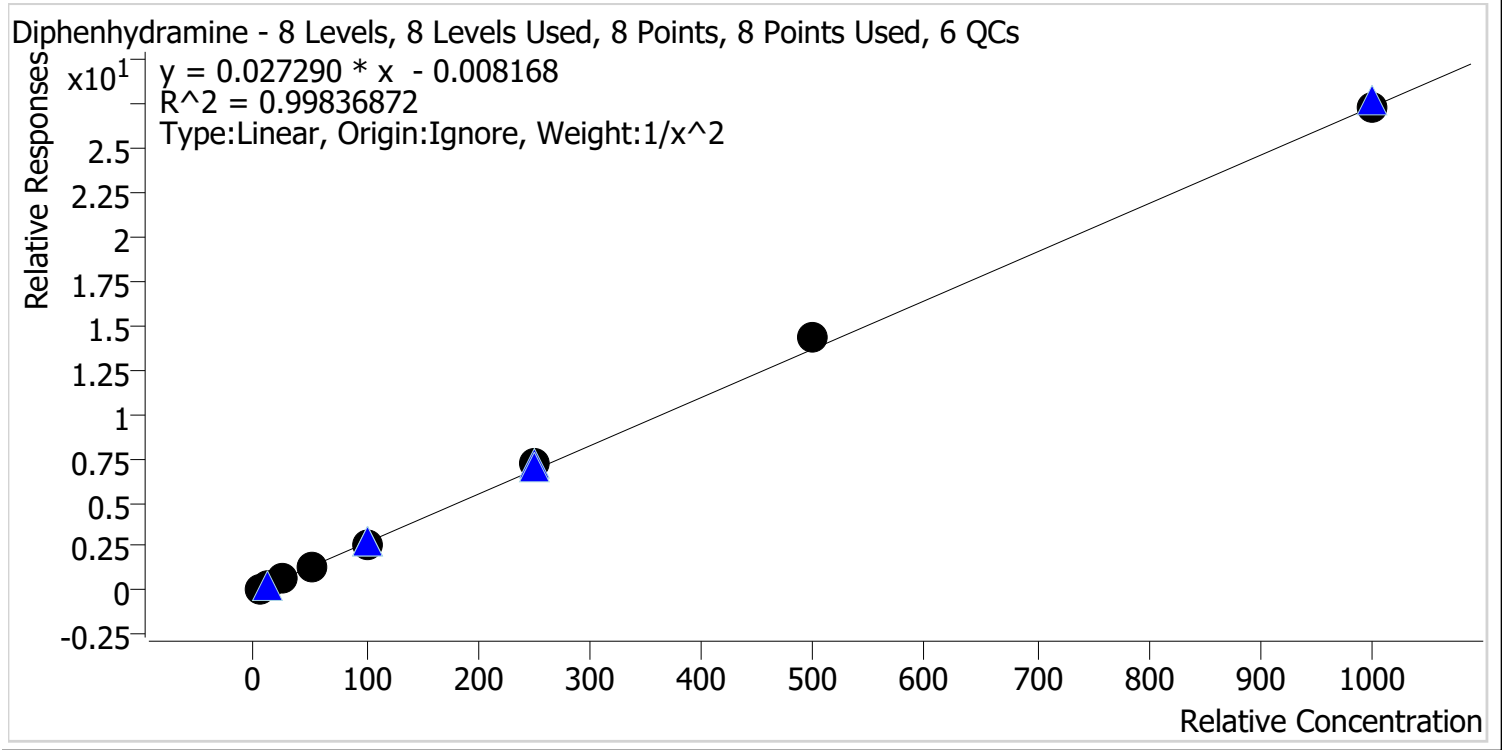
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	220.0	88.0
p1 Cal 7-500ng	7	x	500.0	374.7	74.9
p1 Cal 8-1000ng	8	x	1000.0	596.8	59.7

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

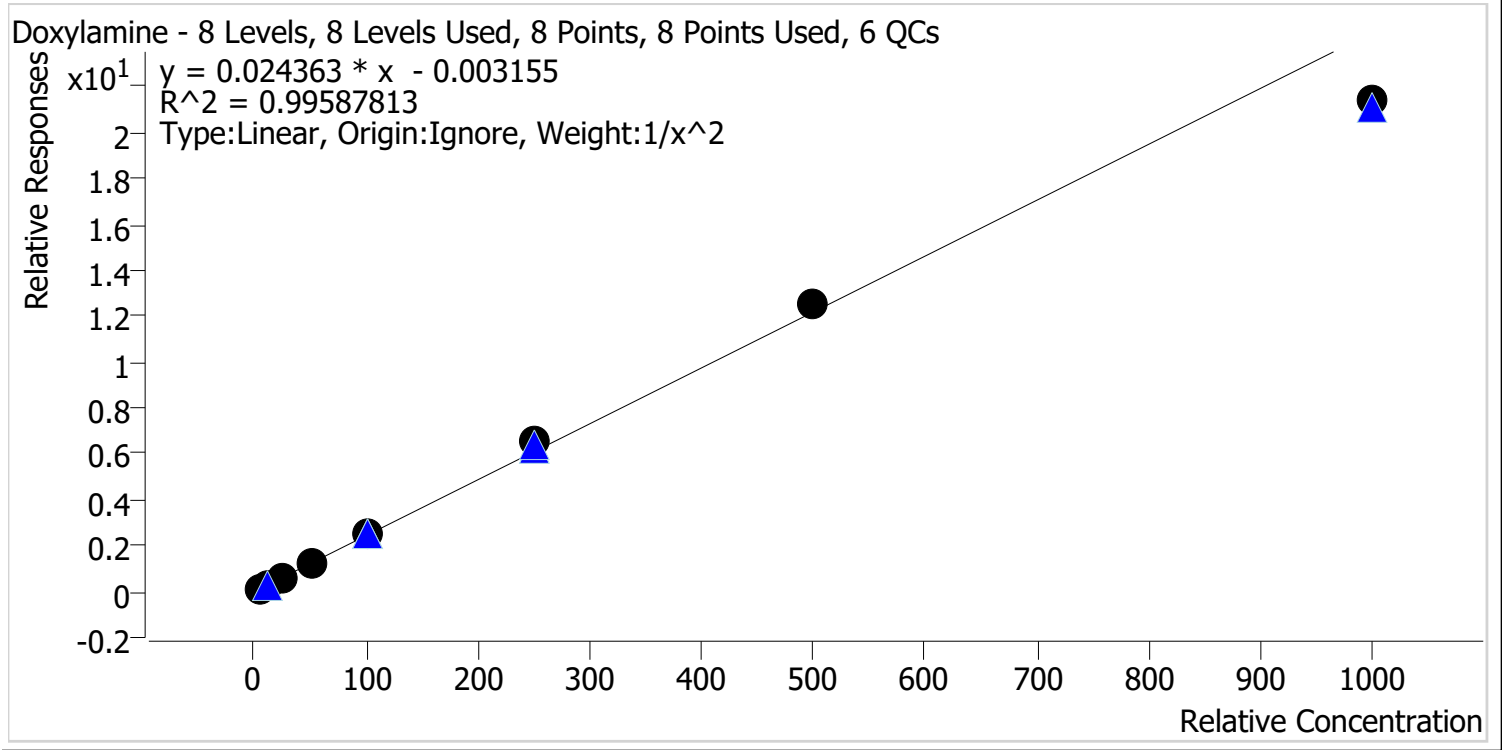


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	261.3	104.5
p1 Cal 7-500ng	7	✓	500.0	522.6	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1001.4	100.1



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



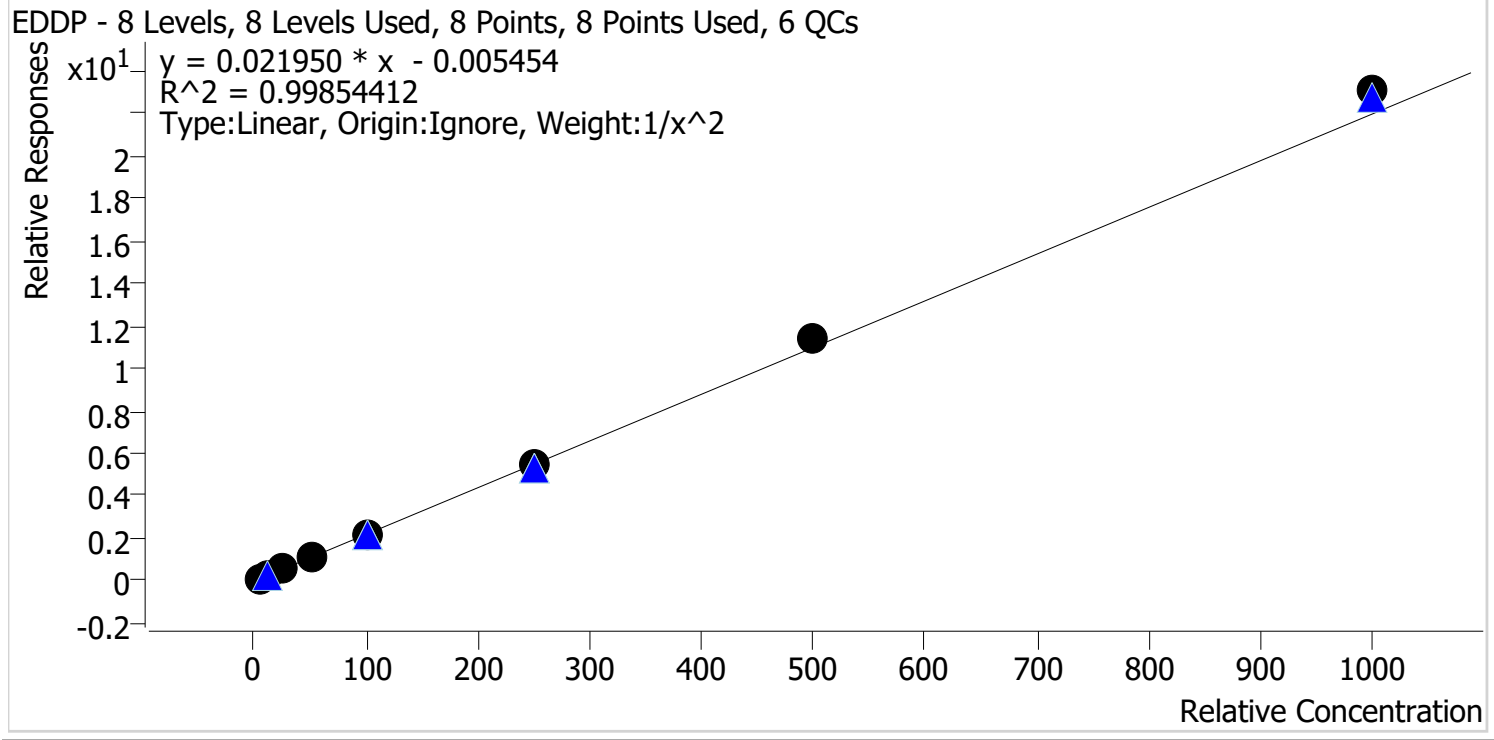
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	266.3	106.5
p1 Cal 7-500ng	7	✓	500.0	515.0	103.0
p1 Cal 8-1000ng	8	✓	1000.0	878.2	87.8

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3



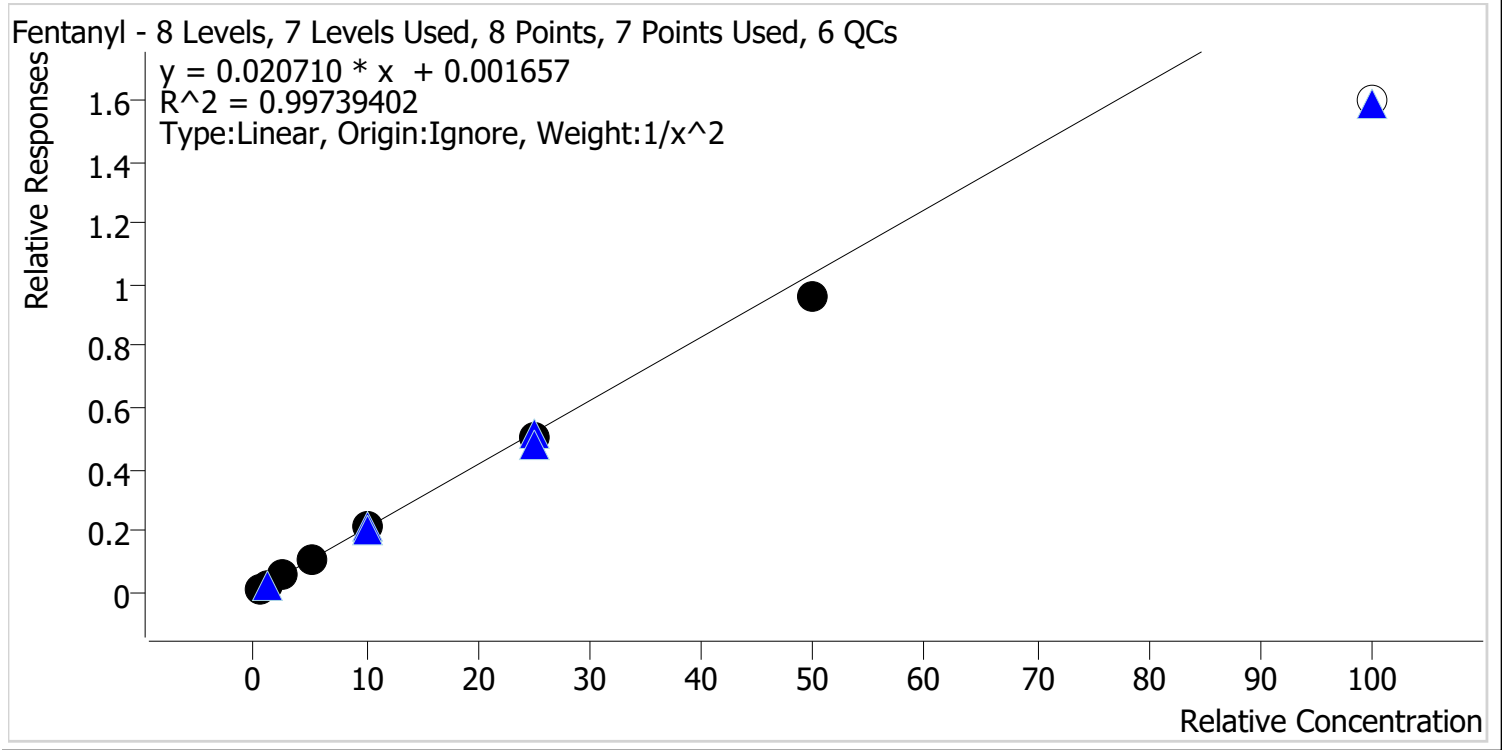
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	47.8	95.7
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	520.9	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1050.2	105.0

cf



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5



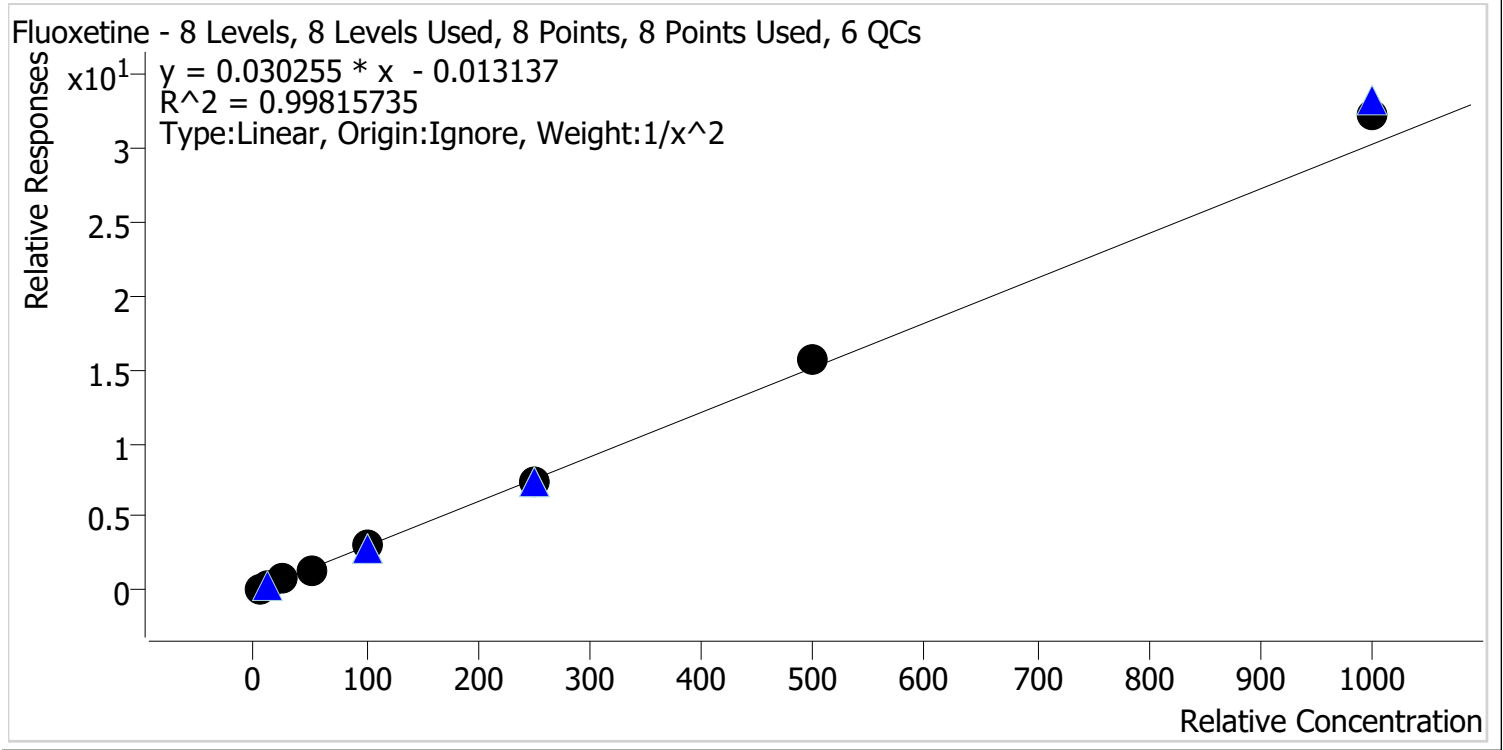
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.1
p1 Cal 2-10ng	2	✓	1.0	1.0	99.9
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.1
p1 Cal 4-50ng	4	✓	5.0	5.2	104.4
p1 Cal 5-100ng	5	✓	10.0	10.5	105.1
p1 Cal 6-250ng	6	✓	25.0	24.2	96.6
p1 Cal 7-500ng	7	✓	50.0	46.4	92.9
p1 Cal 8-1000ng	8	✗	100.0	77.1	77.1

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 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	102.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	242.6	97.0
p1 Cal 7-500ng	7	✓	500.0	516.6	103.3
p1 Cal 8-1000ng	8	✓	1000.0	1067.4	106.7

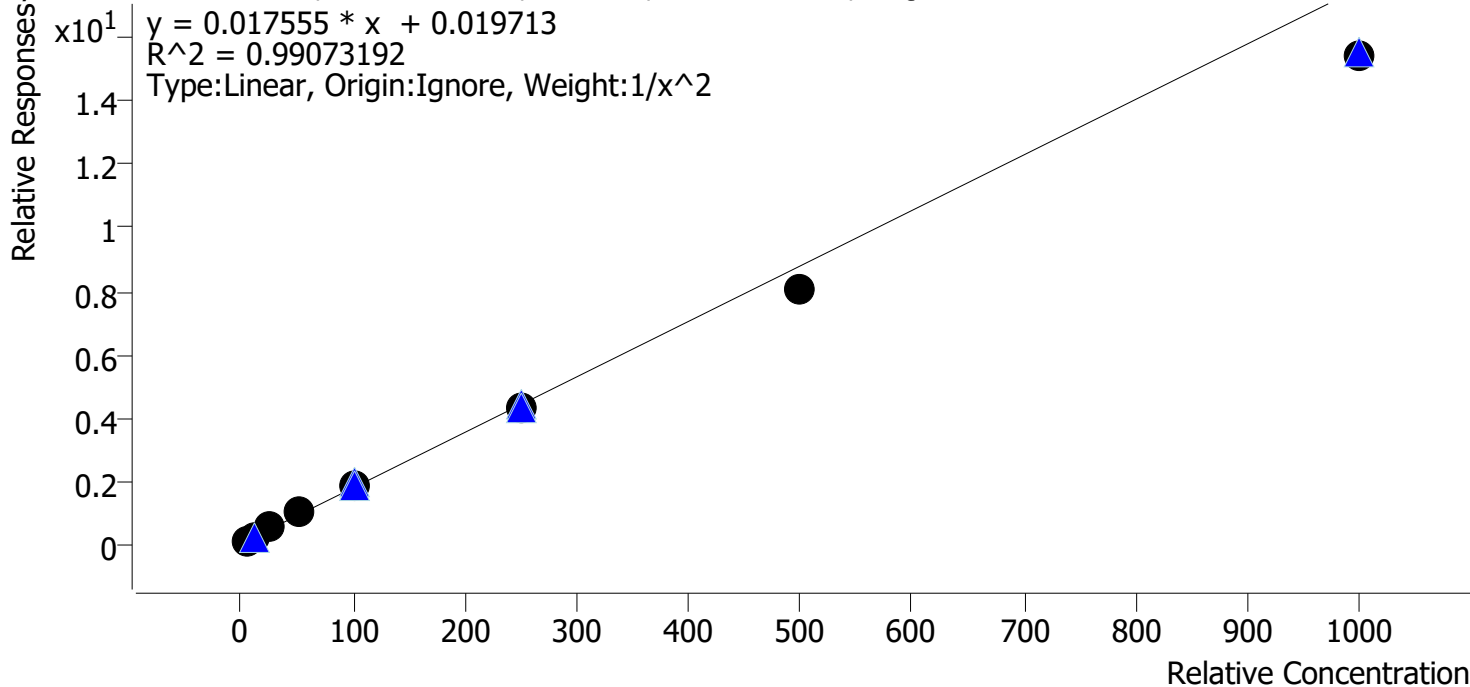
CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.1
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	27.8	111.2
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	241.9	96.8
p1 Cal 7-500ng	7	✓	500.0	460.4	92.1
p1 Cal 8-1000ng	8	✓	1000.0	880.4	88.0

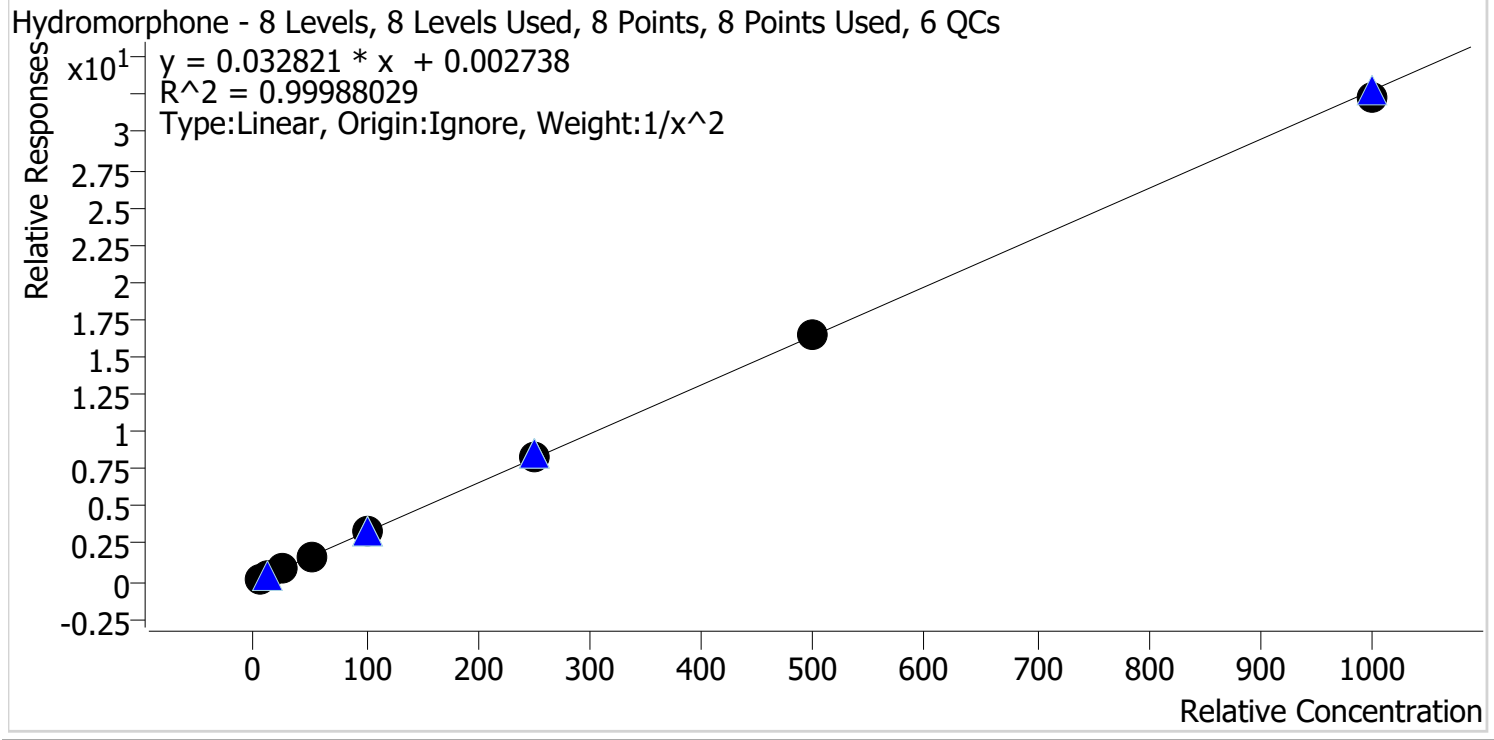


CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

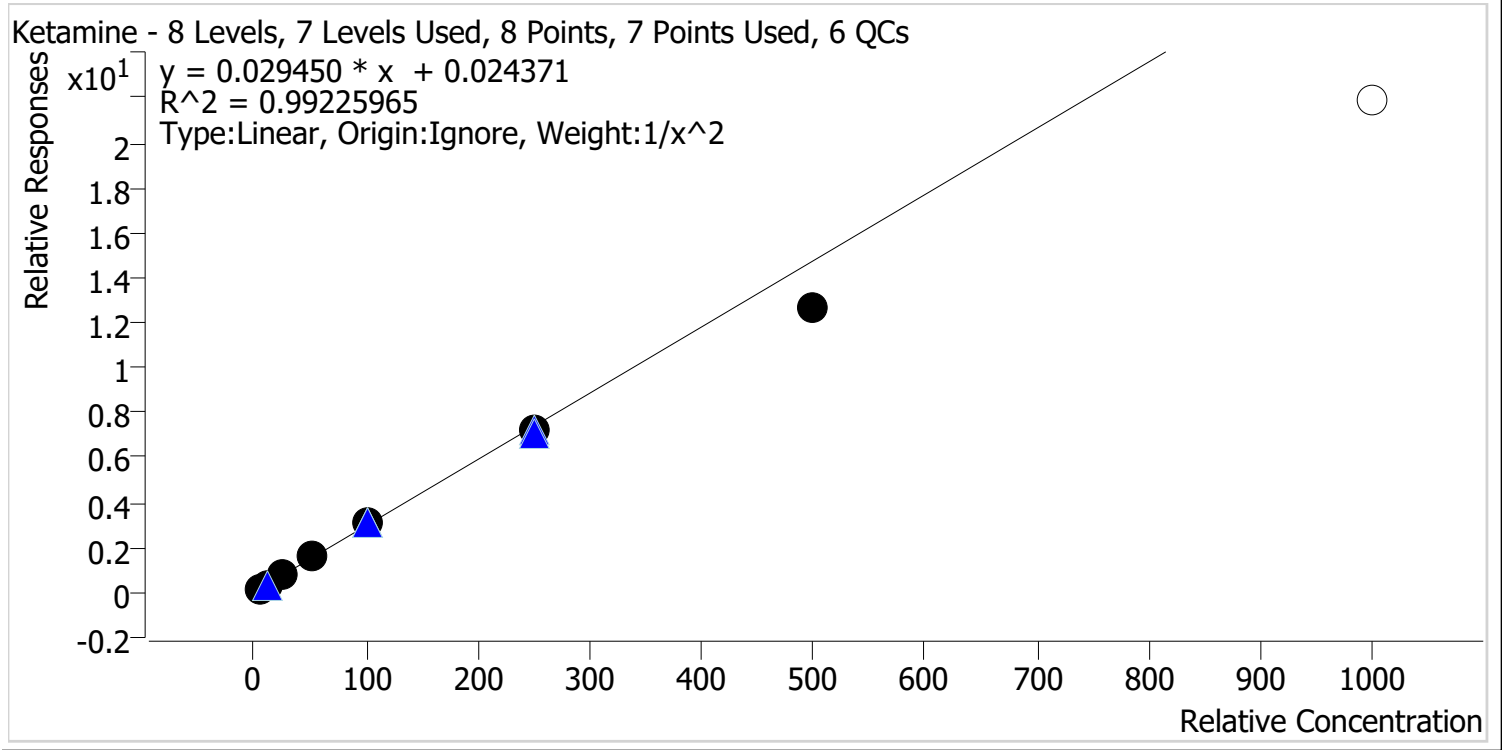


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	502.2	100.4
p1 Cal 8-1000ng	8	✓	1000.0	988.5	98.9



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



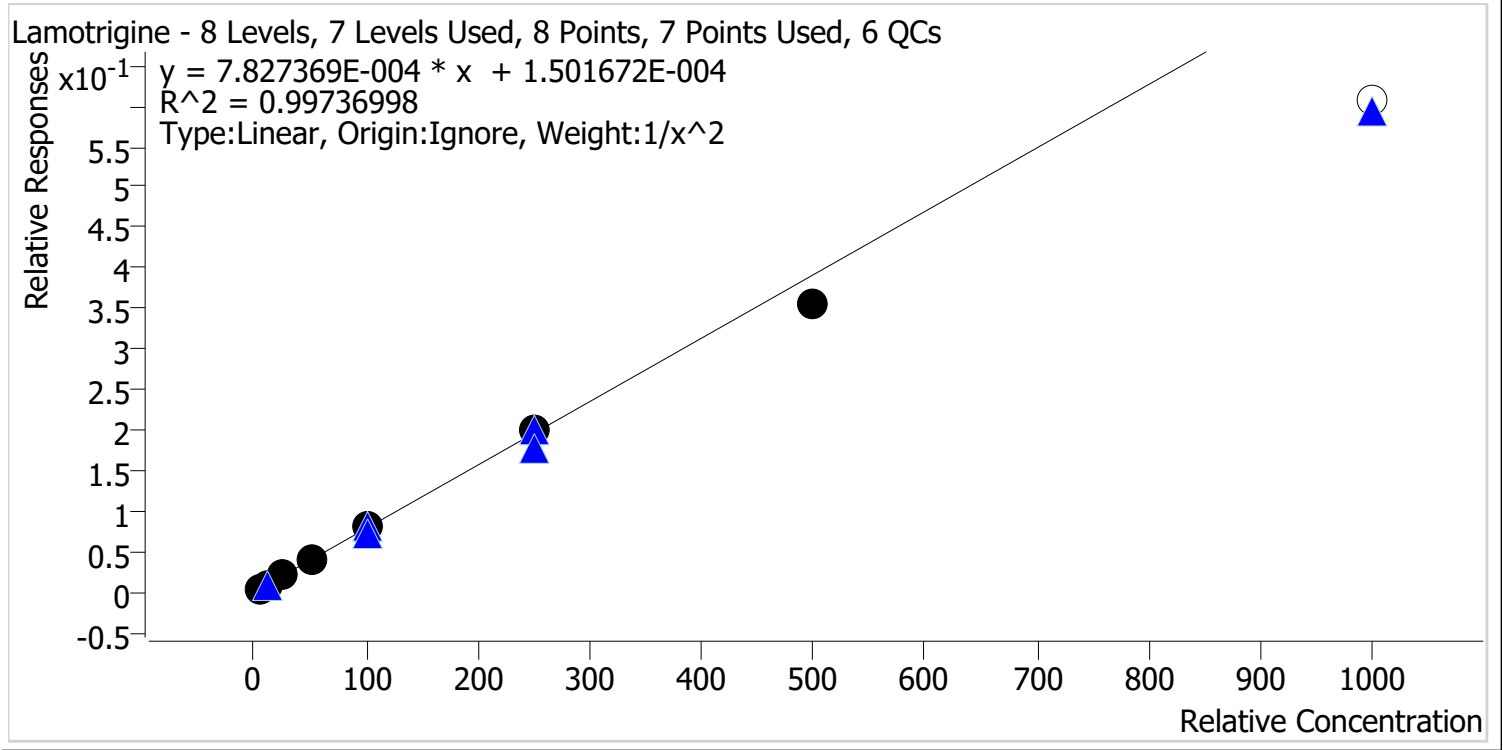
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	243.2	97.3
p1 Cal 7-500ng	7	✓	500.0	428.1	85.6
p1 Cal 8-1000ng	8	✗	1000.0	741.8	74.2

5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Pseudoephedrine-D3



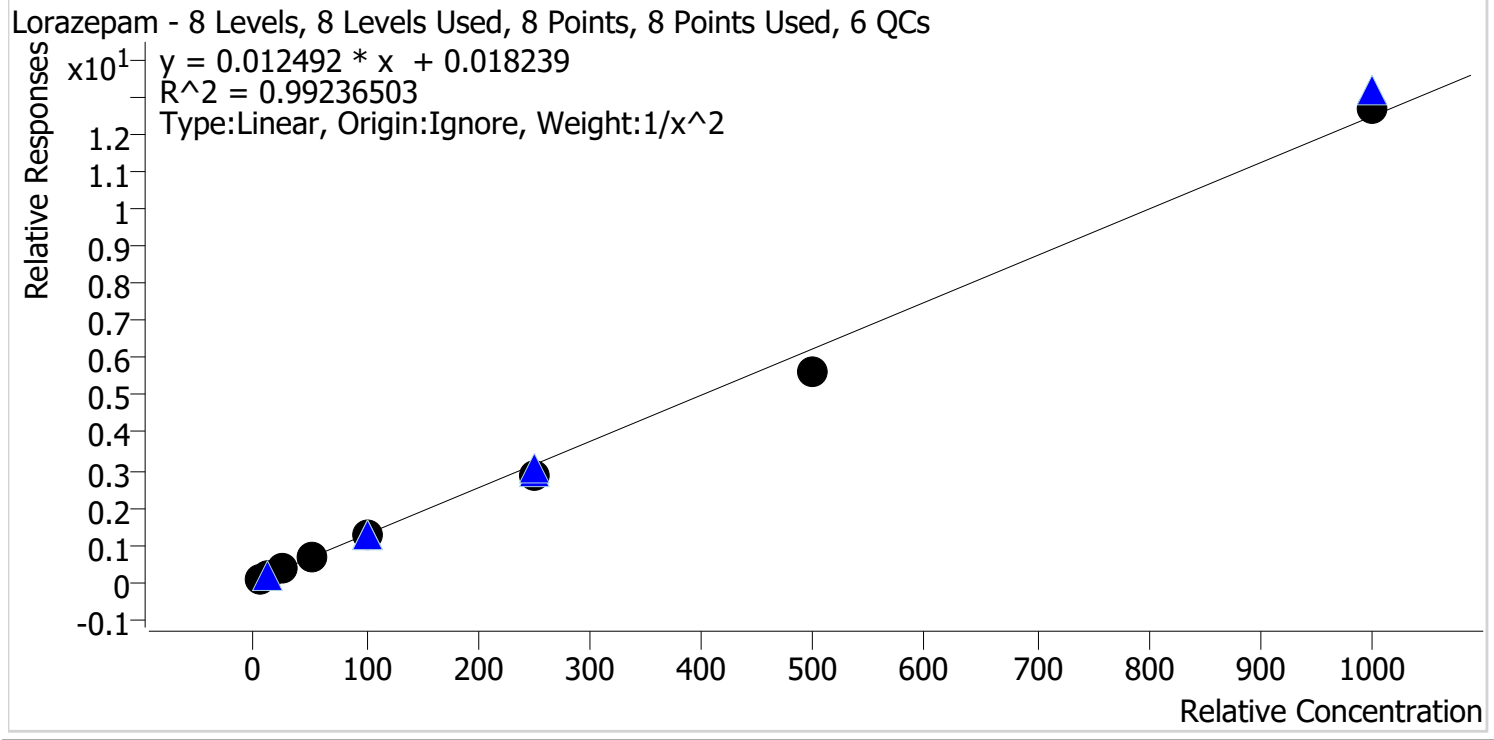
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	255.6	102.2
p1 Cal 7-500ng	7	✓	500.0	453.9	90.8
p1 Cal 8-1000ng	8	✗	1000.0	774.7	77.5

29



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5



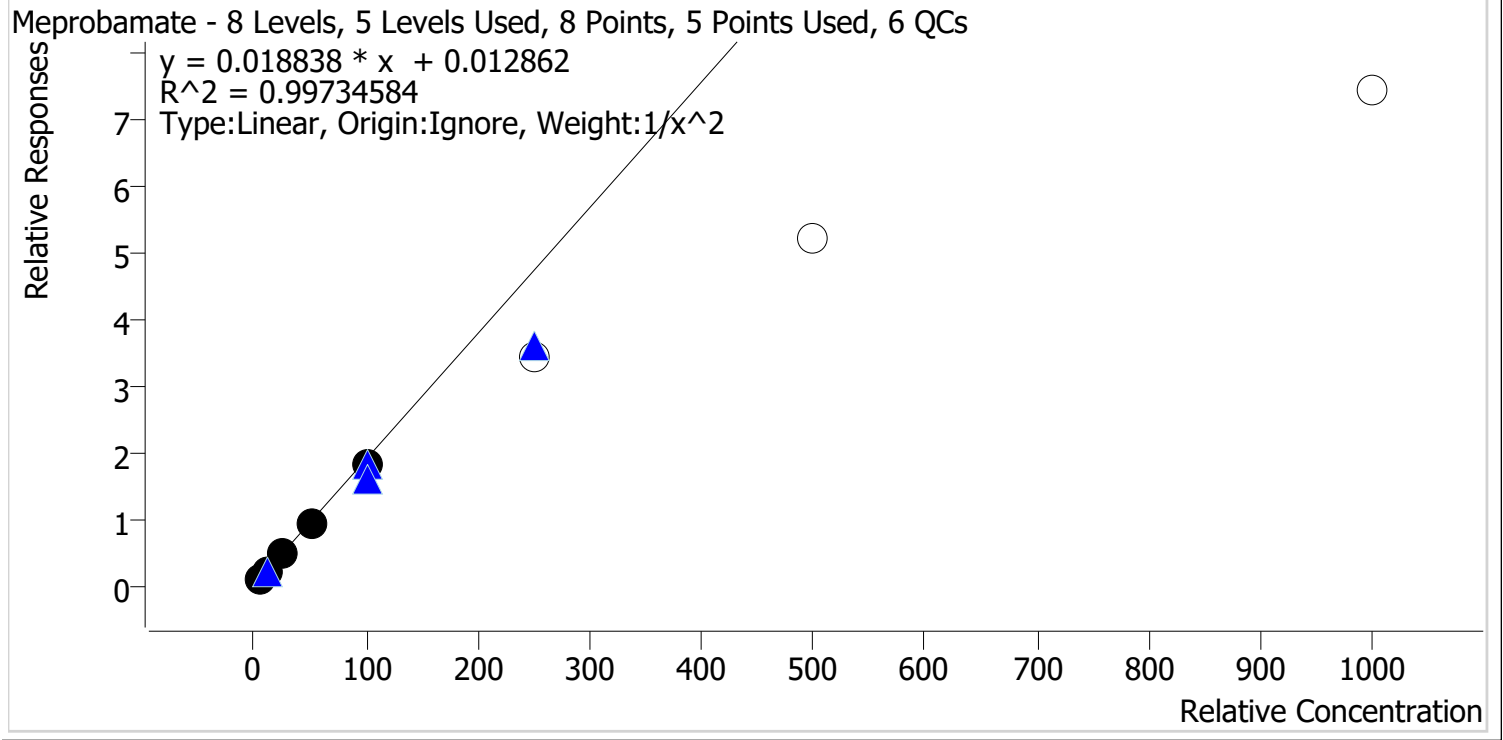
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	27.7	110.6
p1 Cal 4-50ng	4	✓	50.0	53.8	107.7
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	227.6	91.1
p1 Cal 7-500ng	7	✓	500.0	449.3	89.9
p1 Cal 8-1000ng	8	✓	1000.0	1020.1	102.0

cf



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



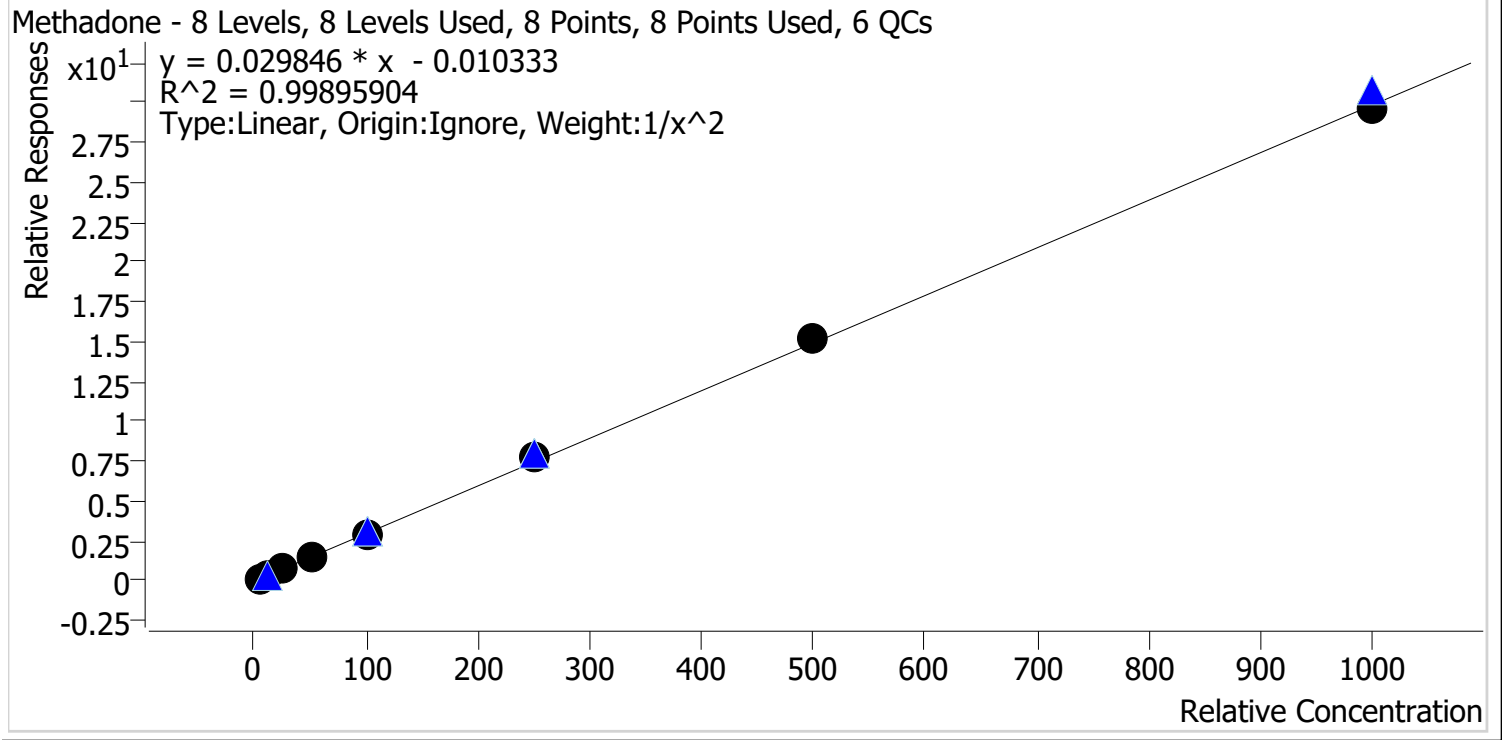
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	x	250.0	180.3	72.1
p1 Cal 7-500ng	7	x	500.0	274.3	54.9
p1 Cal 8-1000ng	8	x	1000.0	393.1	39.3

29



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

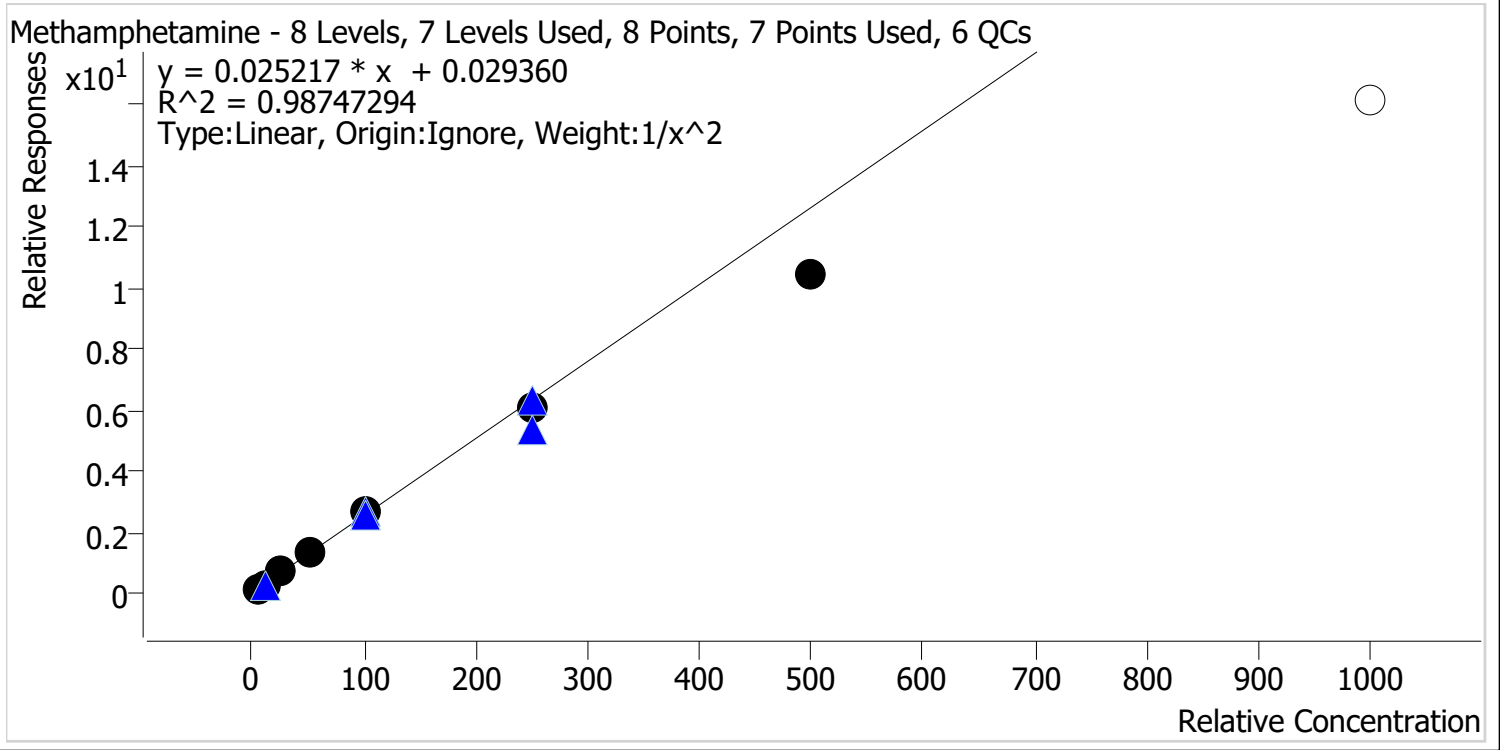


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	261.6	104.6
p1 Cal 7-500ng	7	✓	500.0	511.4	102.3
p1 Cal 8-1000ng	8	✓	1000.0	994.6	99.5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



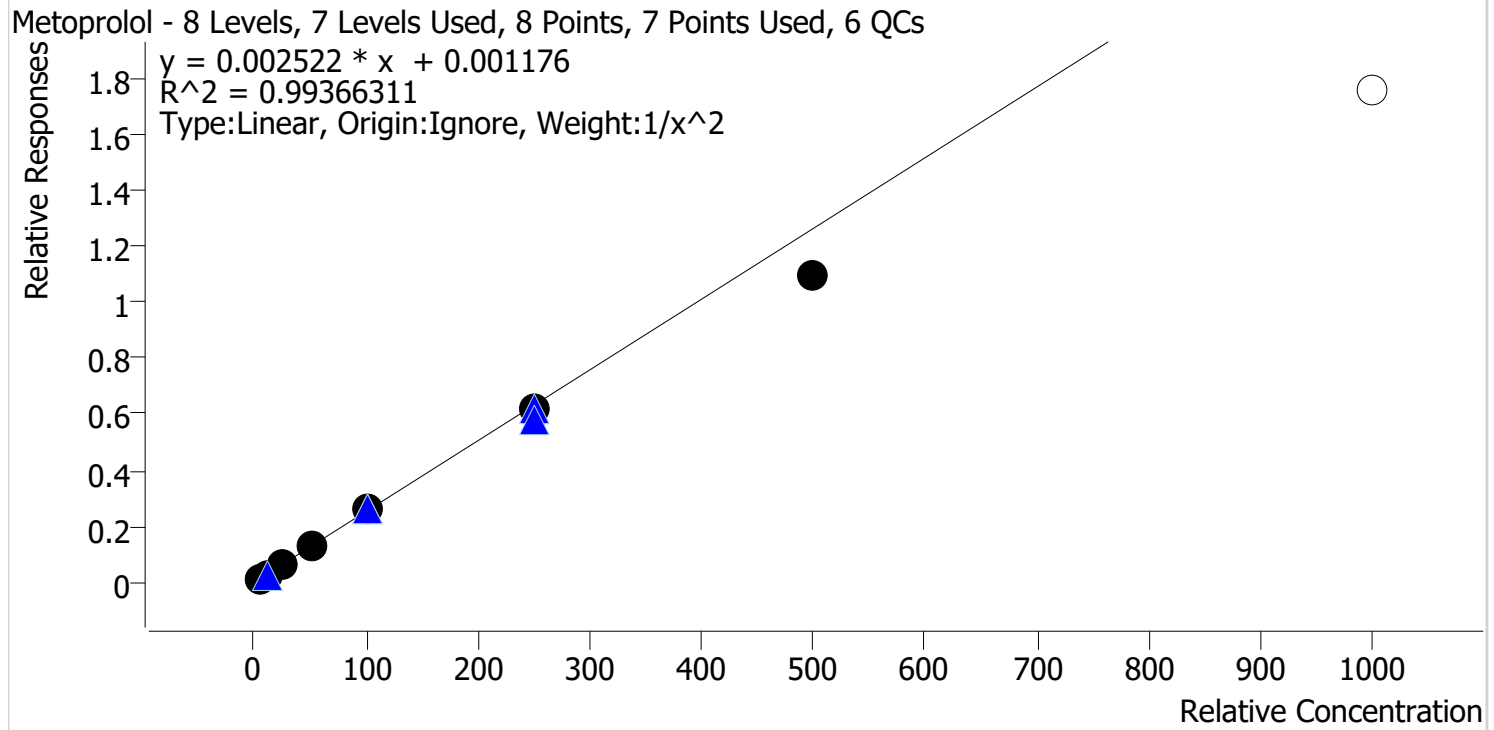
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2-10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.6
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	238.3	95.3
p1 Cal 7-500ng	7	✓	500.0	412.7	82.5
p1 Cal 8-1000ng	8	✗	1000.0	638.6	63.9

5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	433.7	86.7
p1 Cal 8-1000ng	8	✗	1000.0	694.9	69.5

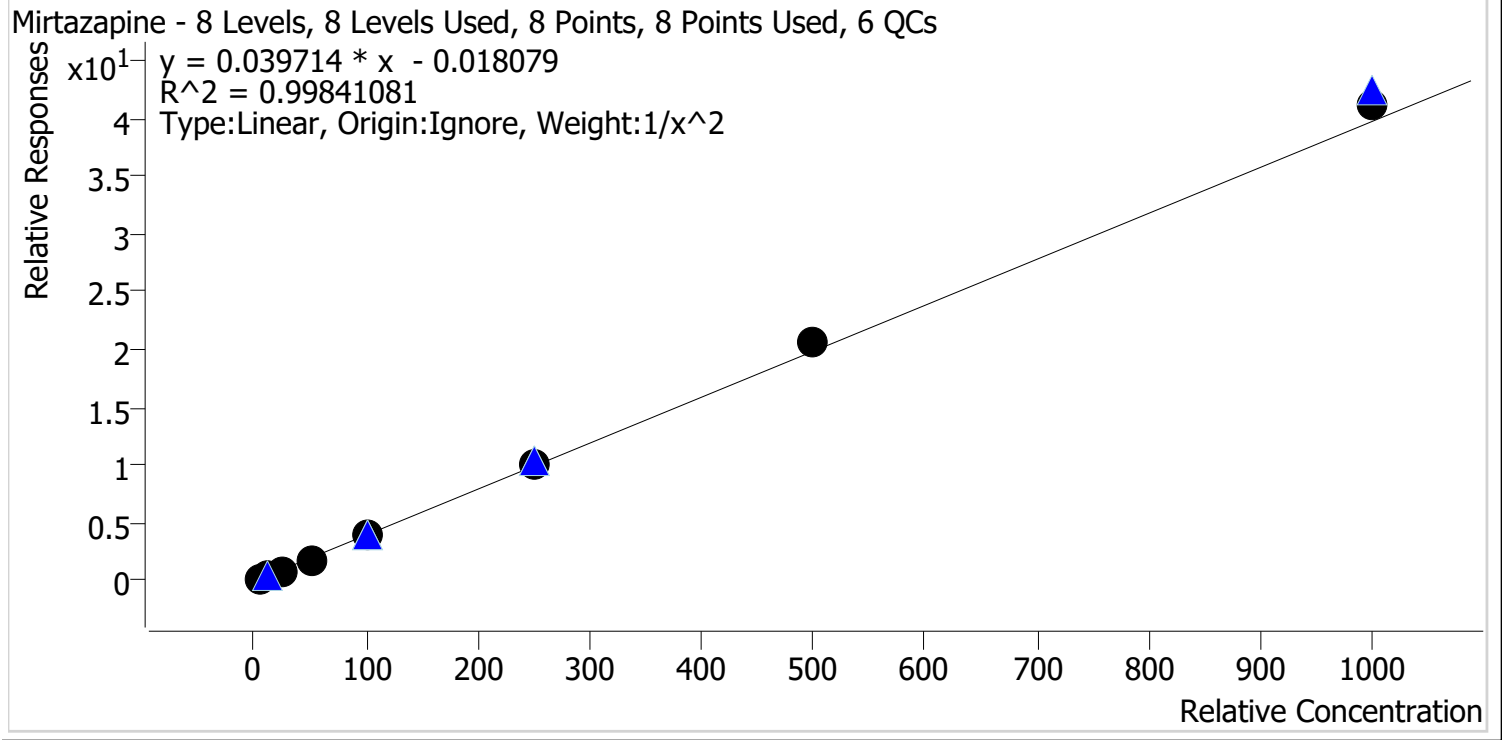


29



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-D8

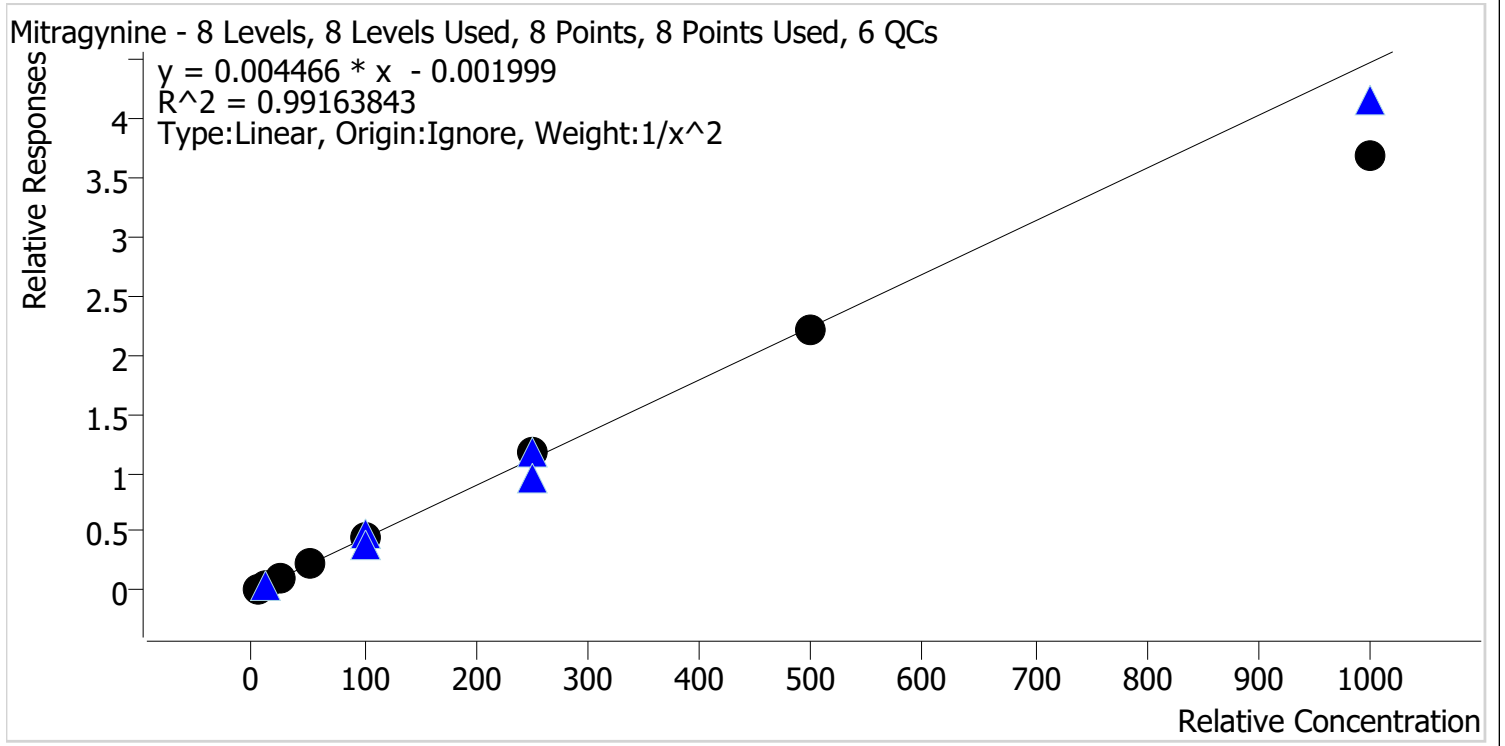


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	521.5	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1037.5	103.7



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



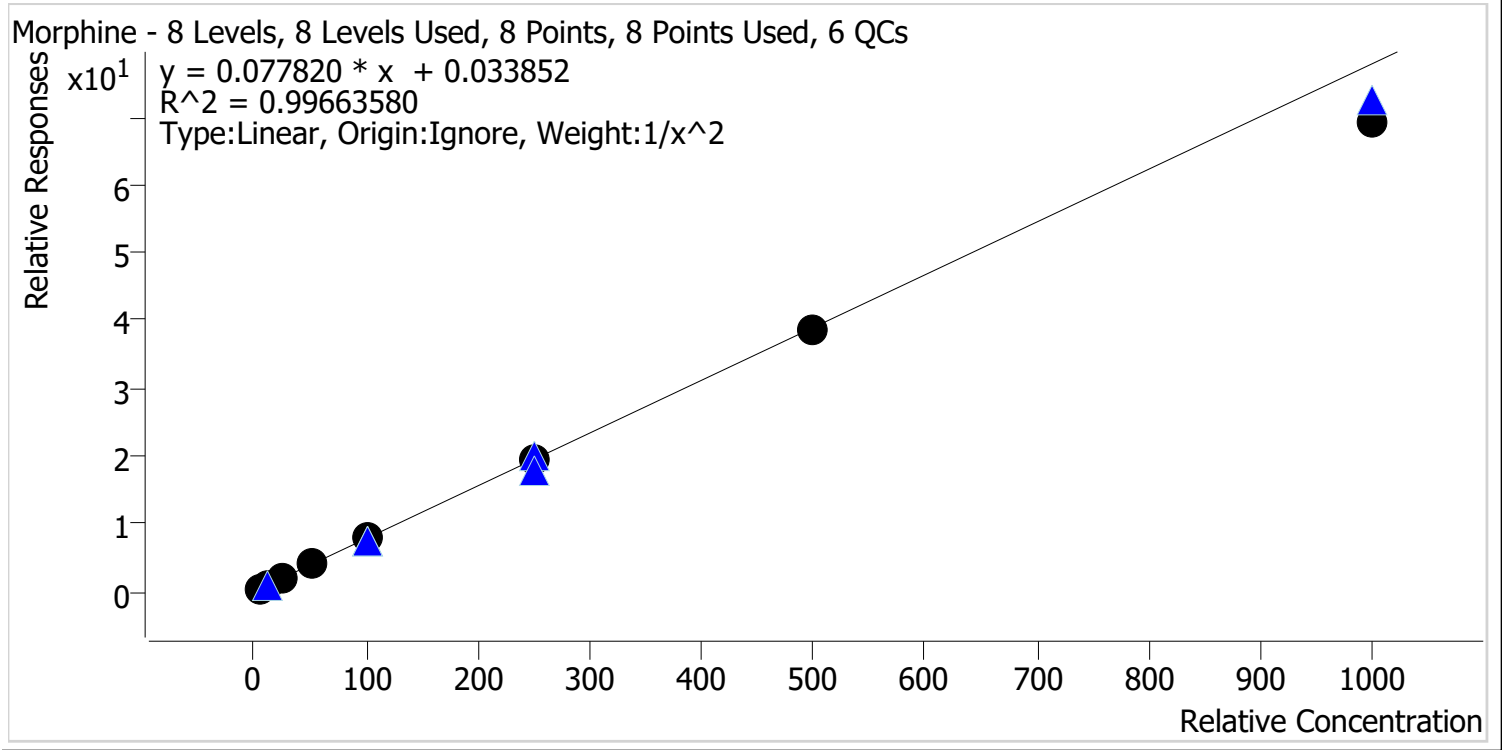
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	53.3	106.7
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	263.9	105.5
p1 Cal 7-500ng	7	✓	500.0	492.4	98.5
p1 Cal 8-1000ng	8	✓	1000.0	825.0	82.5

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



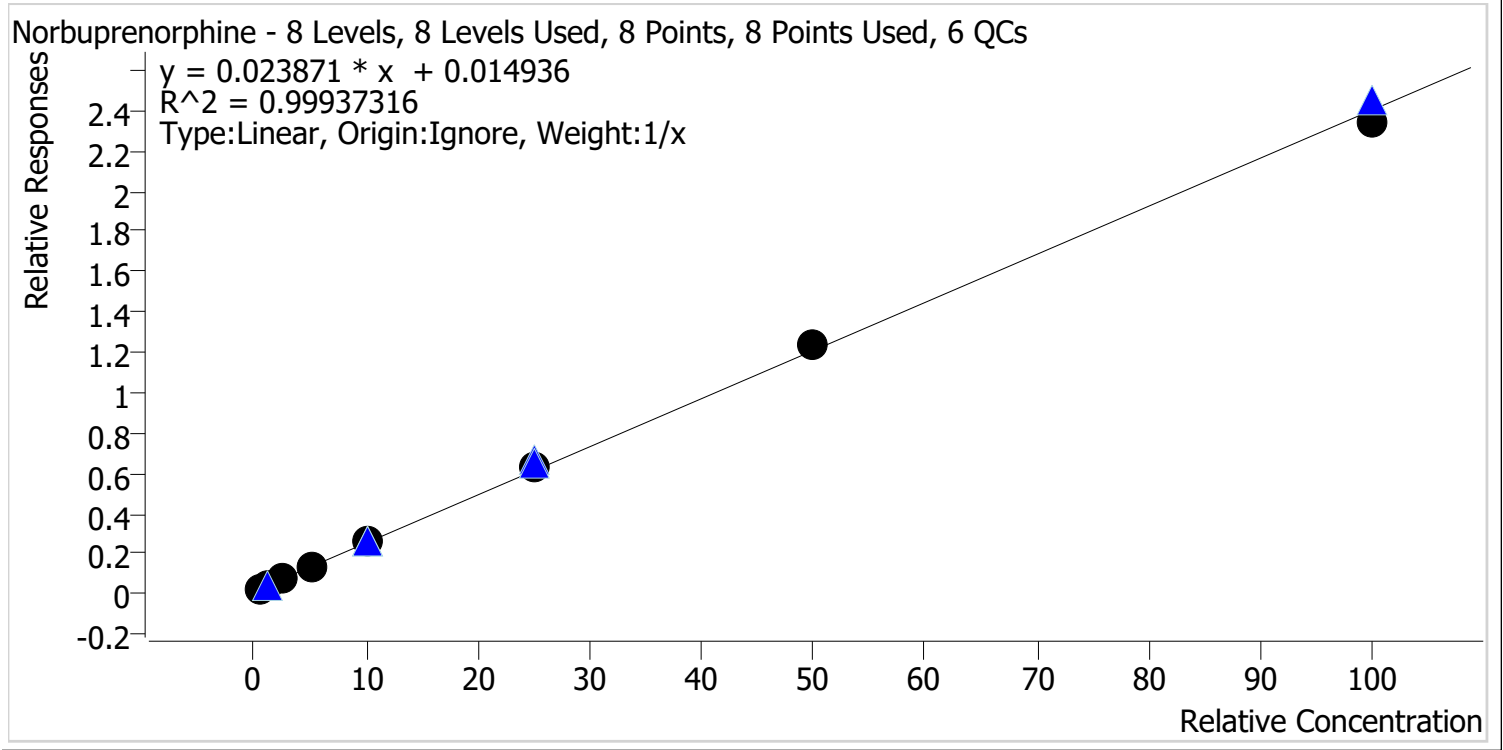
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	890.6	89.1

5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



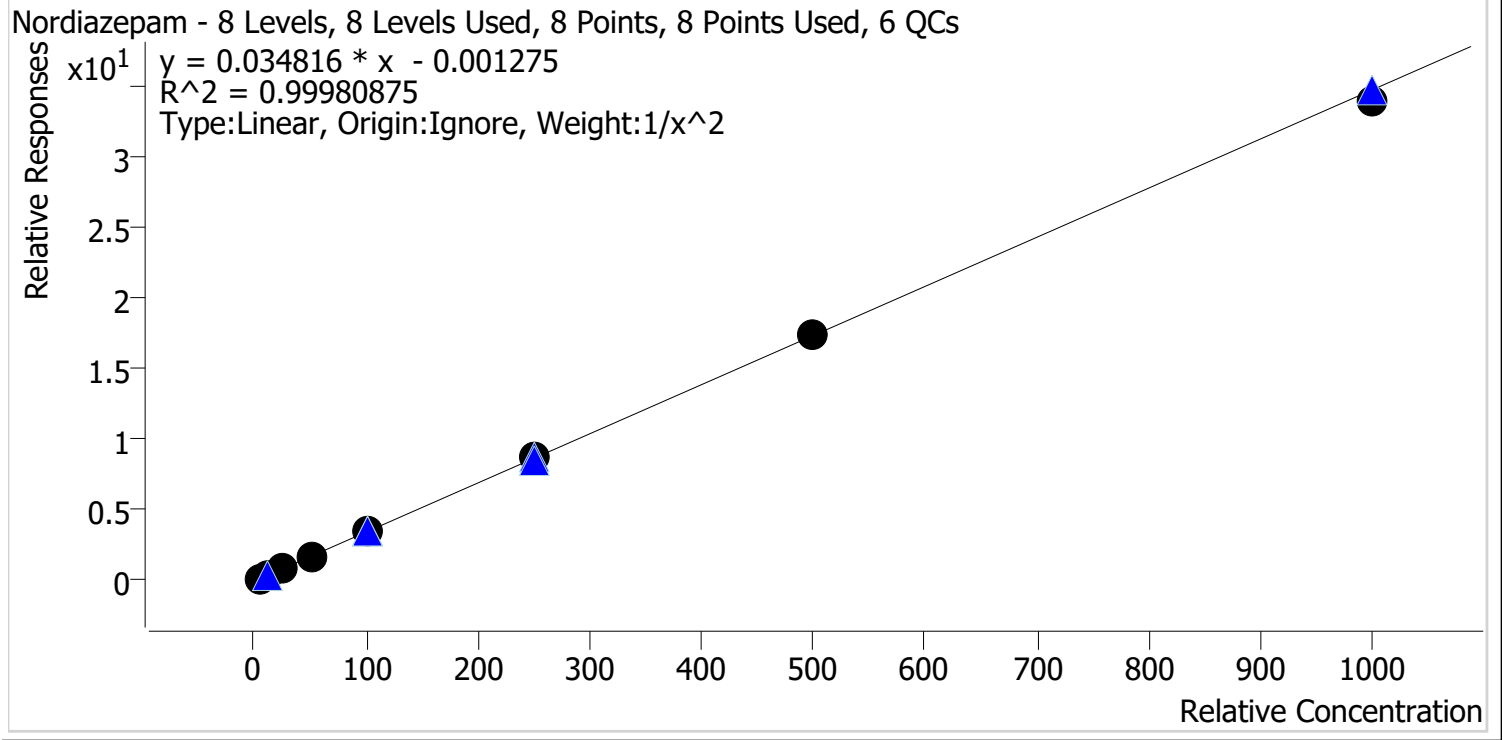
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.1
p1 Cal 2-10ng	2	✓	1.0	0.9	94.7
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.8
p1 Cal 4-50ng	4	✓	5.0	5.0	99.5
p1 Cal 5-100ng	5	✓	10.0	10.3	103.2
p1 Cal 6-250ng	6	✓	25.0	25.6	102.2
p1 Cal 7-500ng	7	✓	50.0	51.4	102.7
p1 Cal 8-1000ng	8	✓	100.0	97.8	97.8

cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



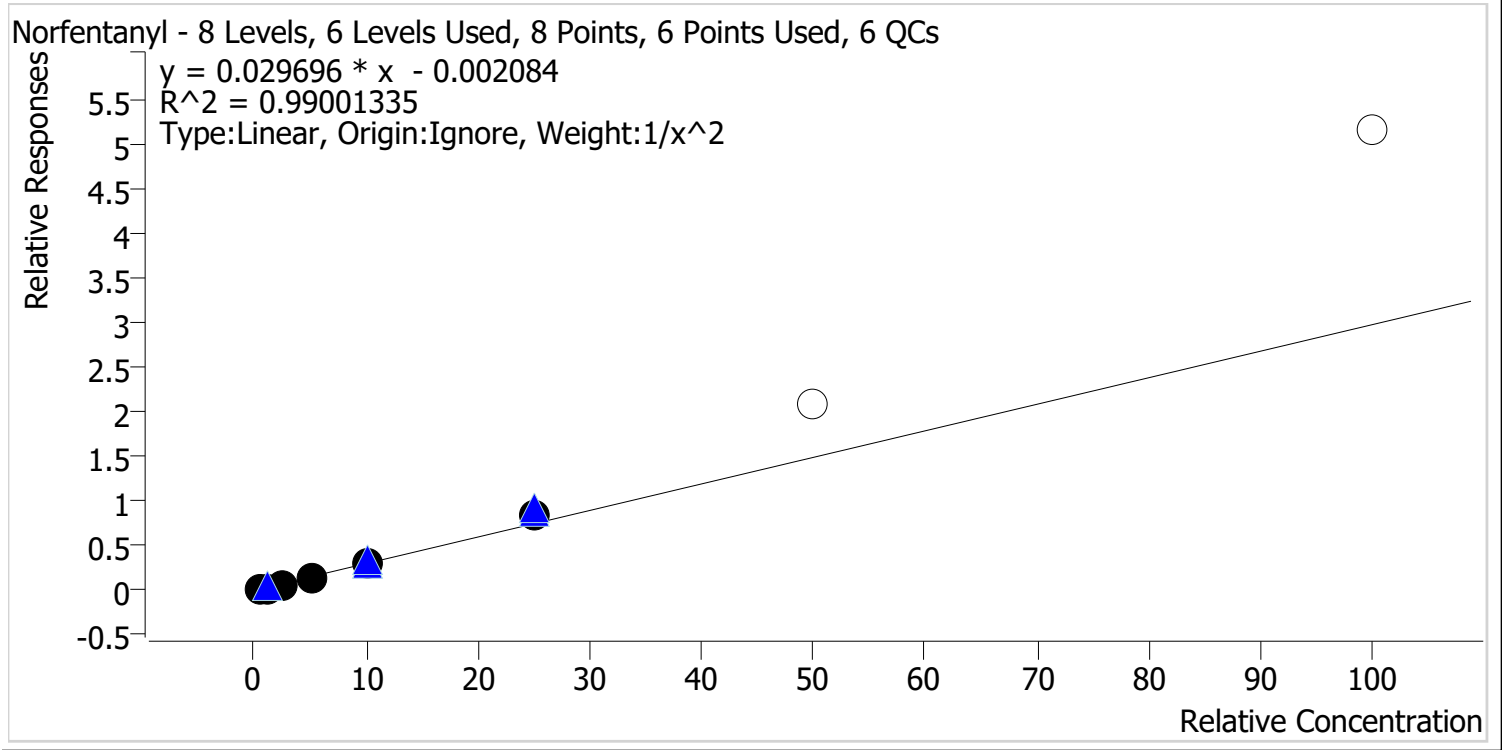
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	976.6	97.7

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl Internal Standard Norfentanyl-D5



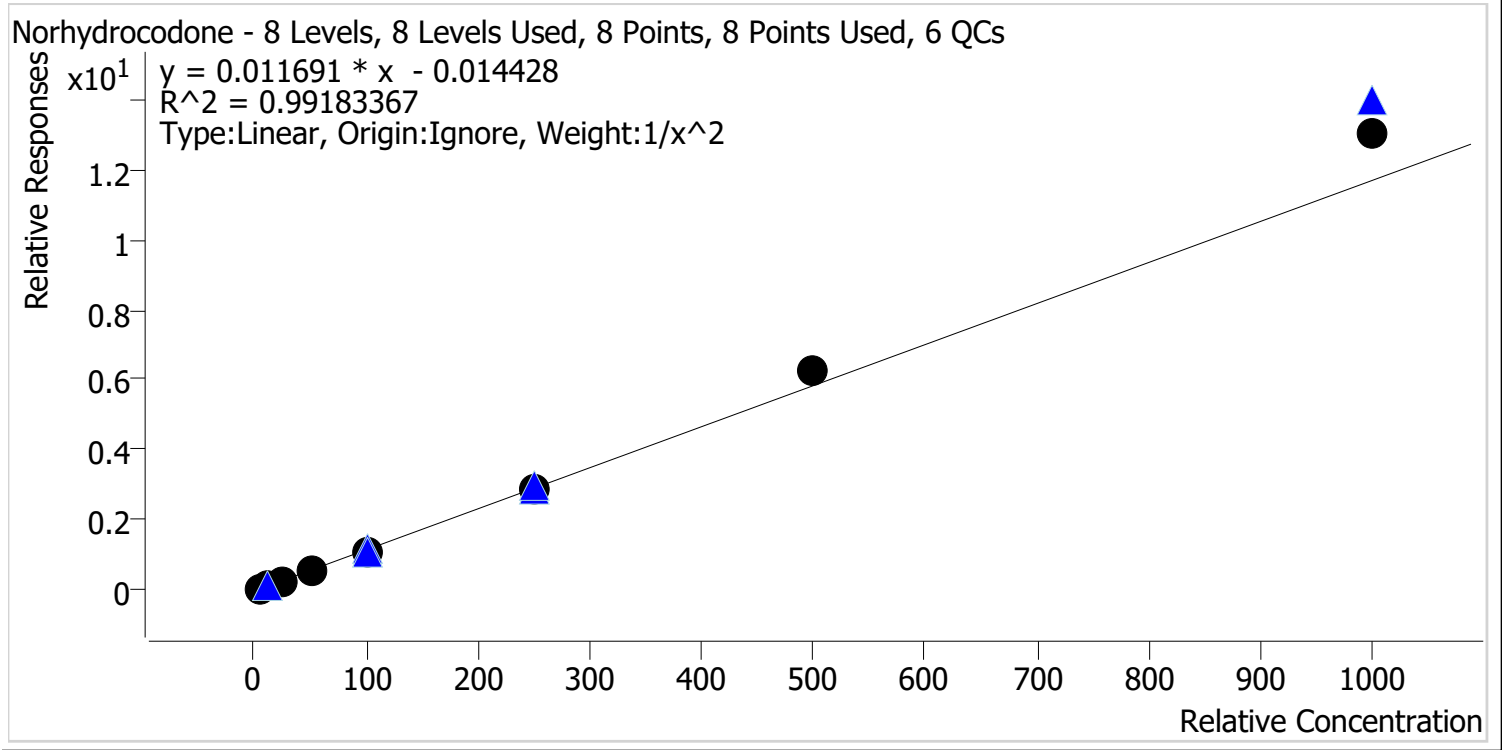
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.6
p1 Cal 2-10ng	2	✓	1.0	0.9	94.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.1
p1 Cal 4-50ng	4	✓	5.0	4.6	92.4
p1 Cal 5-100ng	5	✓	10.0	10.1	101.5
p1 Cal 6-250ng	6	✓	25.0	28.4	113.5
p1 Cal 7-500ng	7	x	50.0	70.1	140.1
p1 Cal 8-1000ng	8	x	100.0	174.0	174.0

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

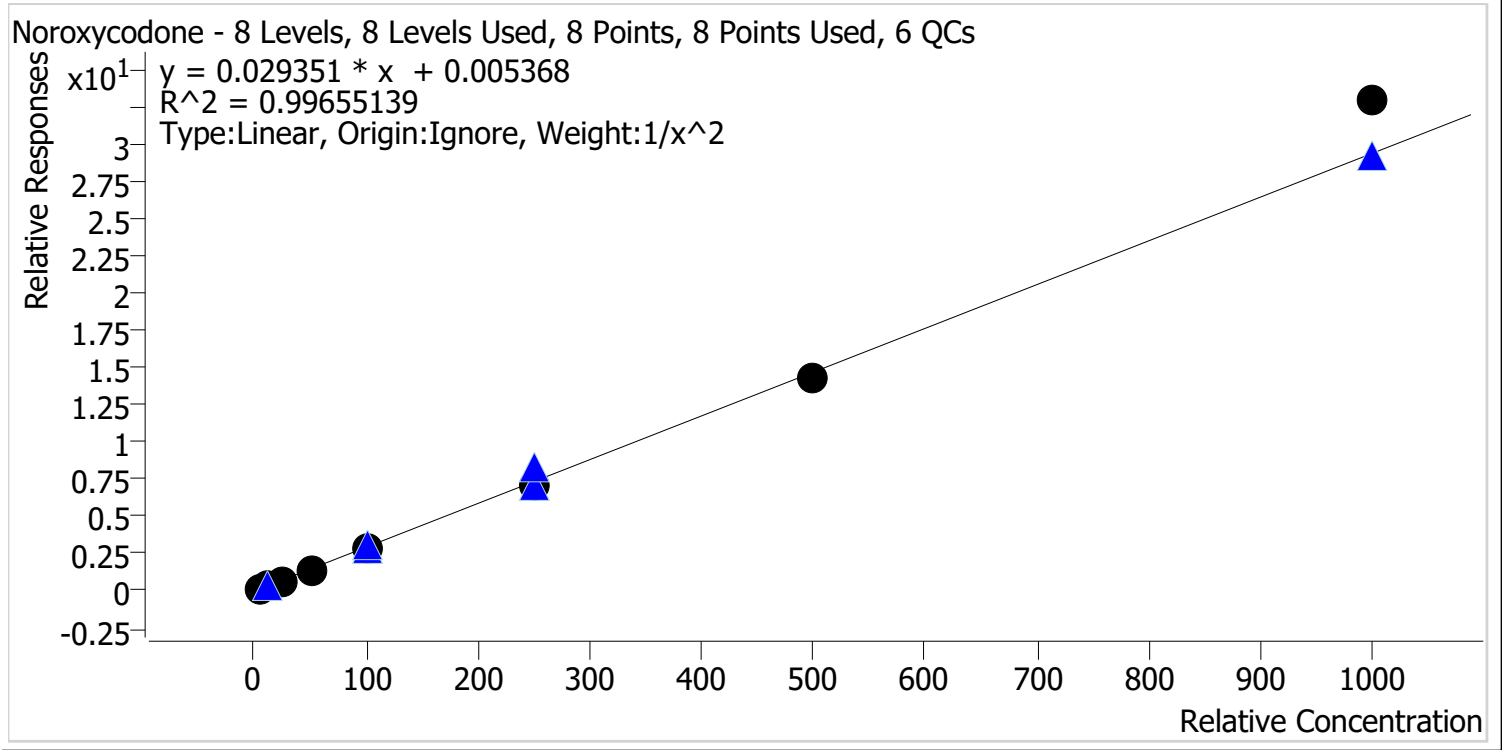


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.3
p1 Cal 2-10ng	2	✓	10.0	9.2	92.1
p1 Cal 3 -25ng	3	✓	25.0	23.0	91.9
p1 Cal 4-50ng	4	✓	50.0	46.2	92.4
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	538.9	107.8
p1 Cal 8-1000ng	8	✓	1000.0	1118.4	111.8



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	48.4	96.9
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	242.5	97.0
p1 Cal 7-500ng	7	✓	500.0	486.4	97.3
p1 Cal 8-1000ng	8	✓	1000.0	1120.6	112.1

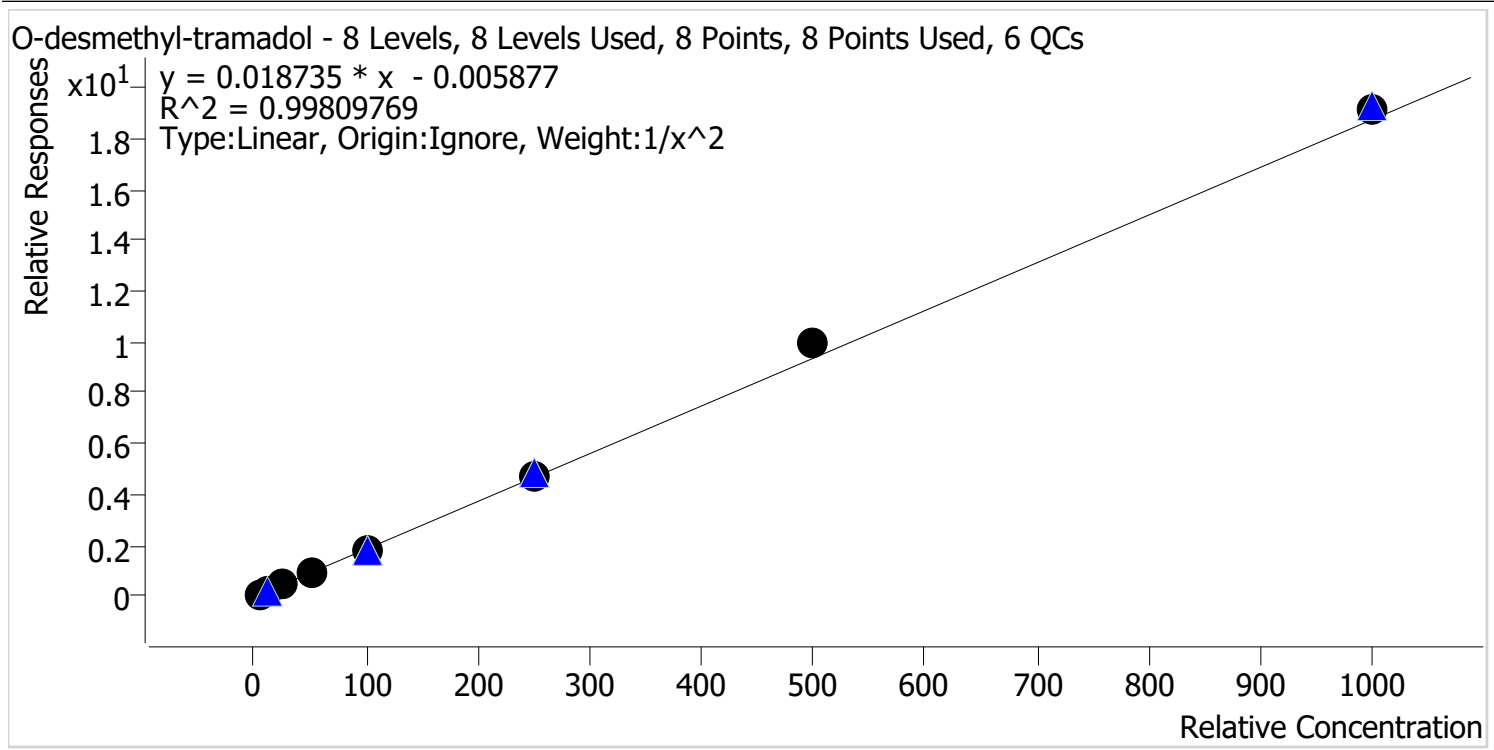


5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



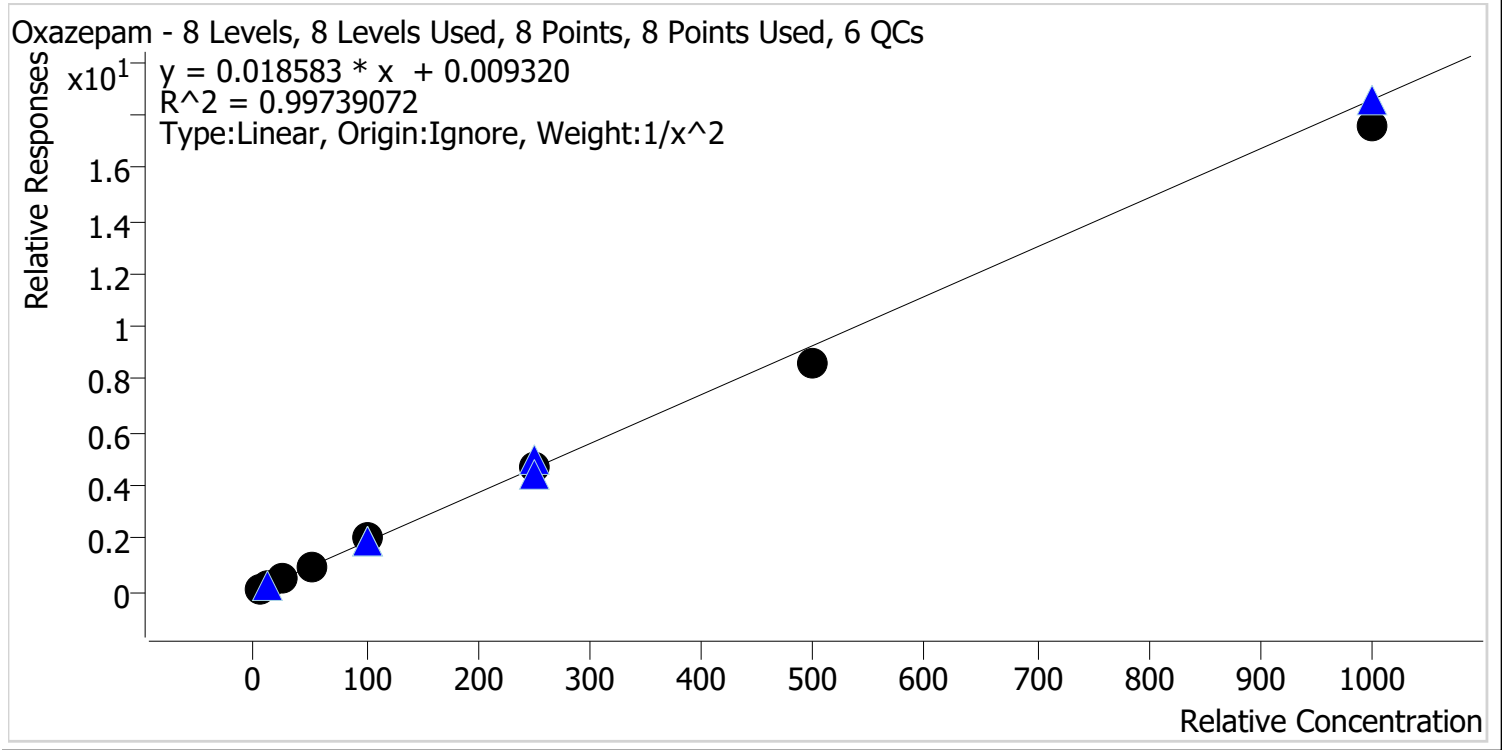
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	47.6	95.1
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	256.1	102.4
p1 Cal 7-500ng	7	✓	500.0	529.6	105.9
p1 Cal 8-1000ng	8	✓	1000.0	1018.6	101.9

2



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

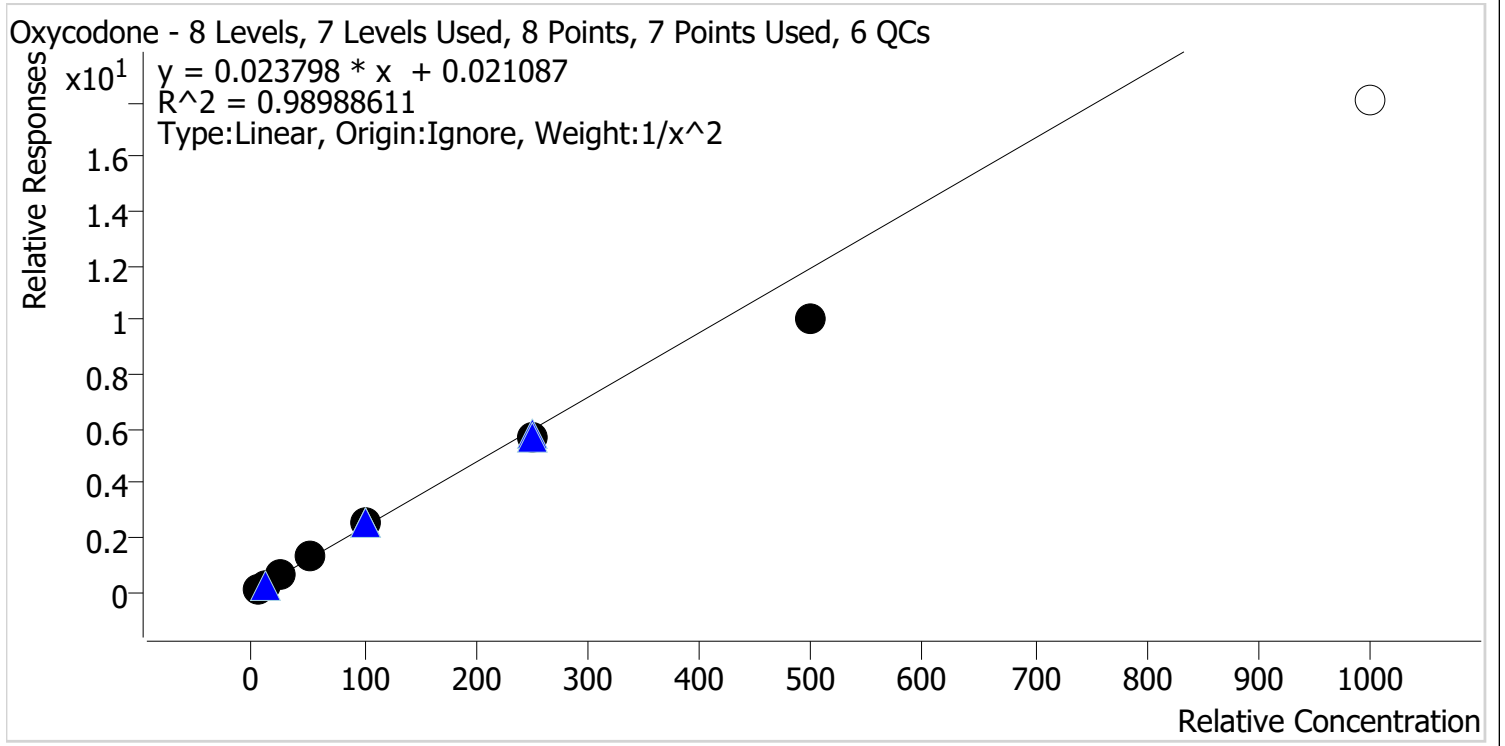


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	464.1	92.8
p1 Cal 8-1000ng	8	✓	1000.0	949.6	95.0



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6



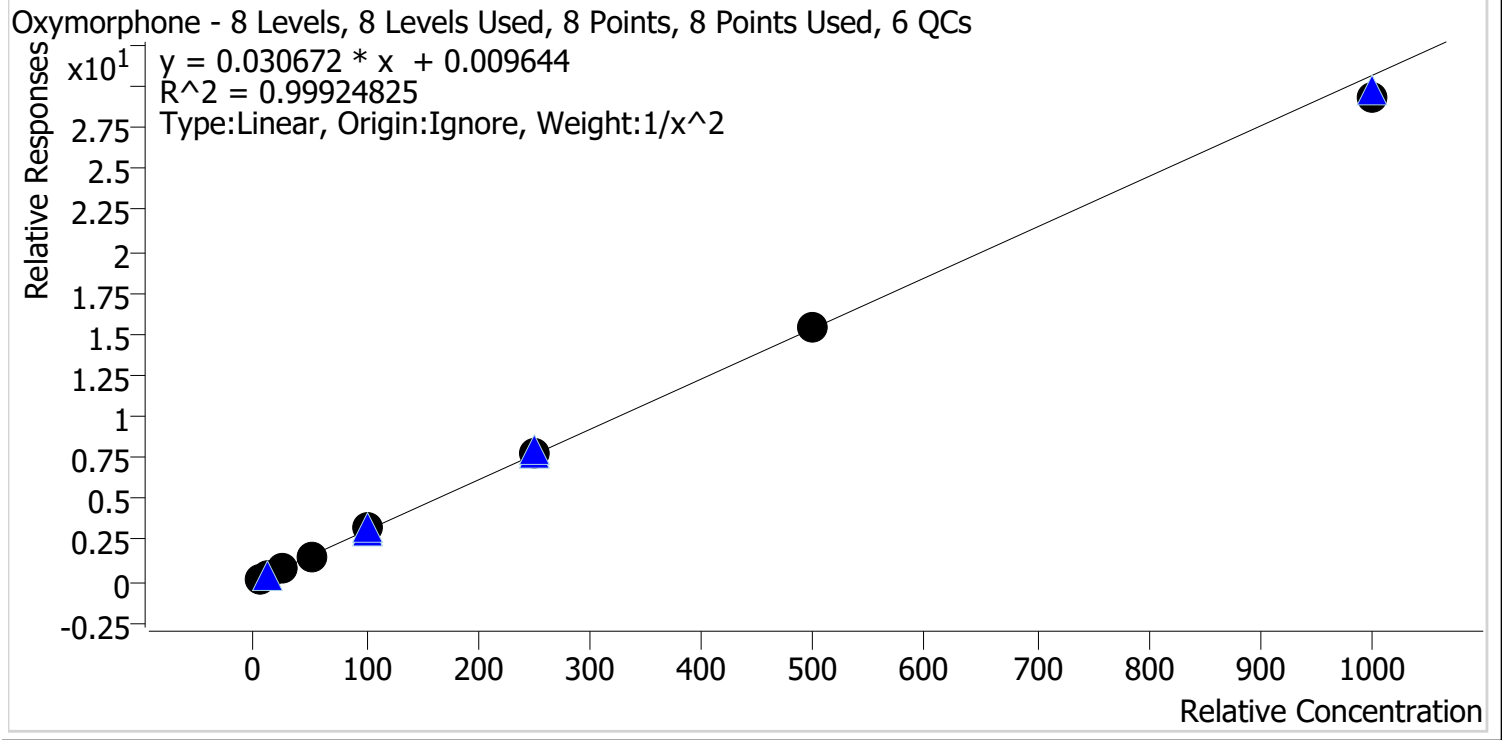
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.4
p1 Cal 4-50ng	4	✓	50.0	53.8	107.5
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	237.8	95.1
p1 Cal 7-500ng	7	✓	500.0	423.6	84.7
p1 Cal 8-1000ng	8	✗	1000.0	758.1	75.8

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



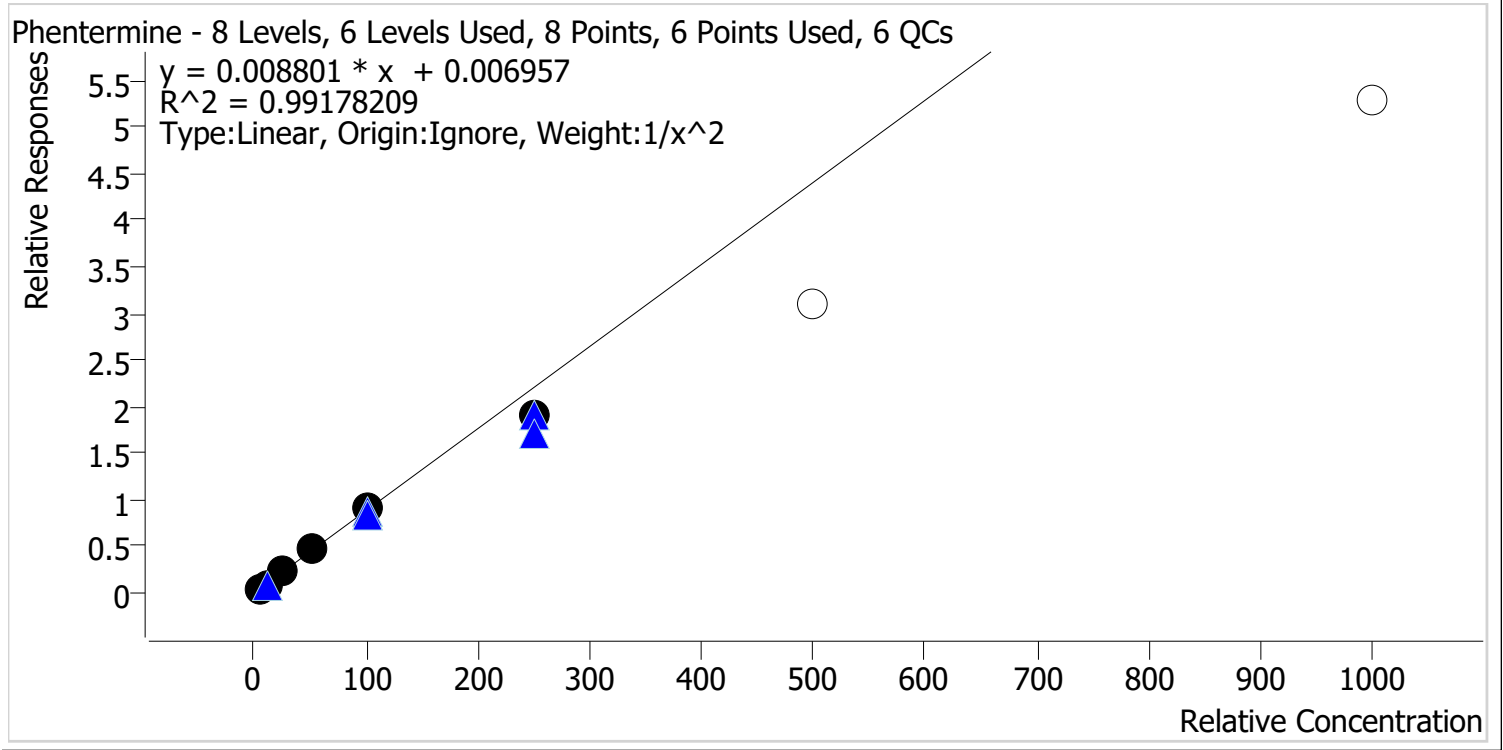
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	502.9	100.6
p1 Cal 8-1000ng	8	✓	1000.0	954.8	95.5

cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.5	104.5
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	216.9	86.8
p1 Cal 7-500ng	7	x	500.0	352.5	70.5
p1 Cal 8-1000ng	8	x	1000.0	599.6	60.0

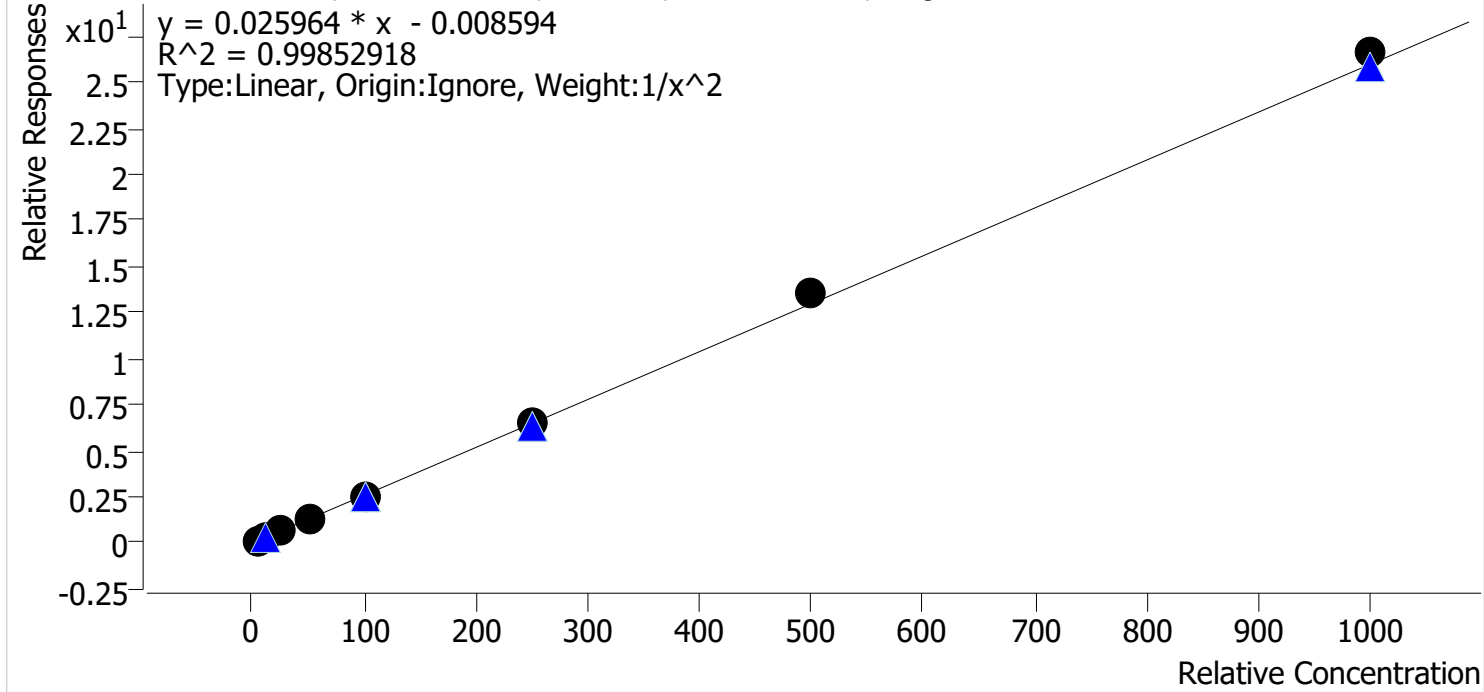
2



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



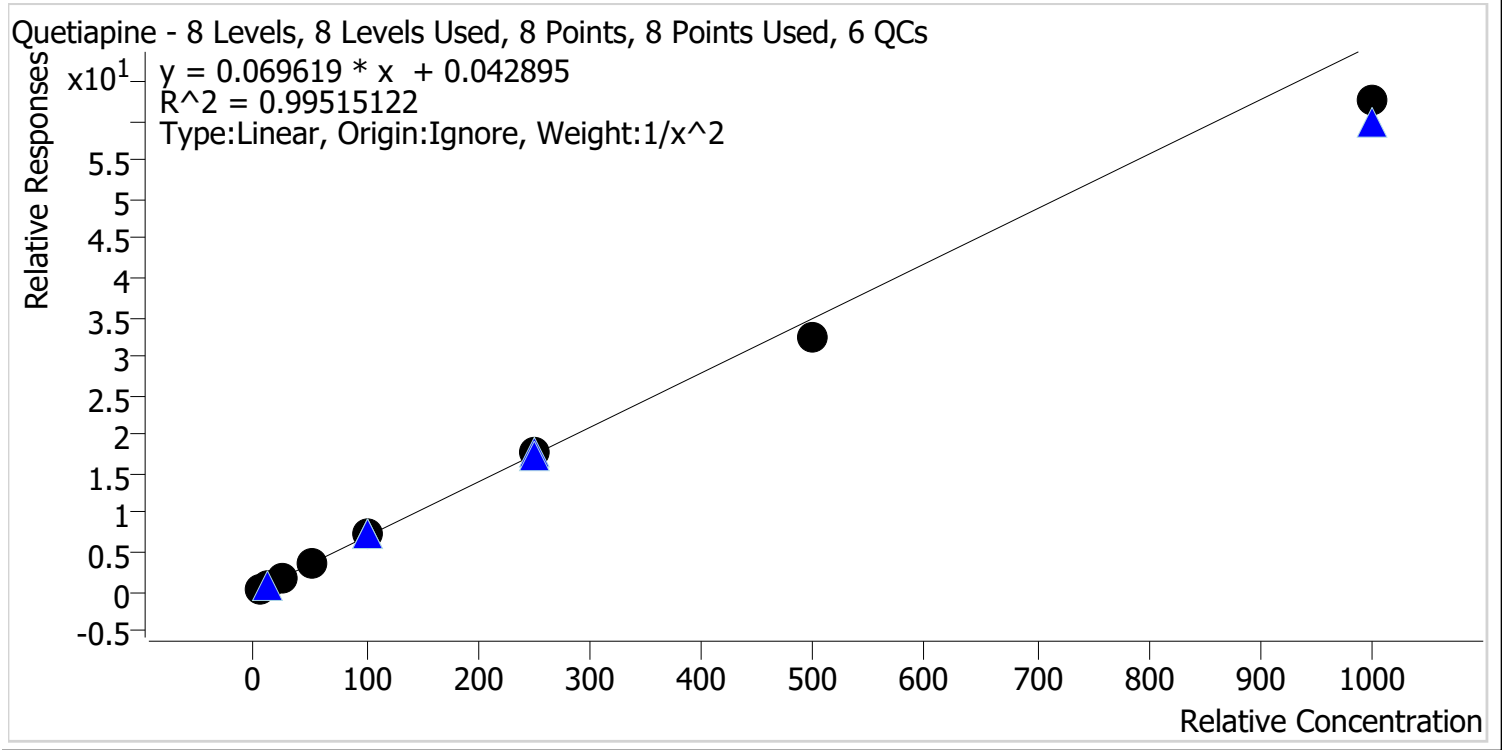
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	525.4	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1024.4	102.4

29



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



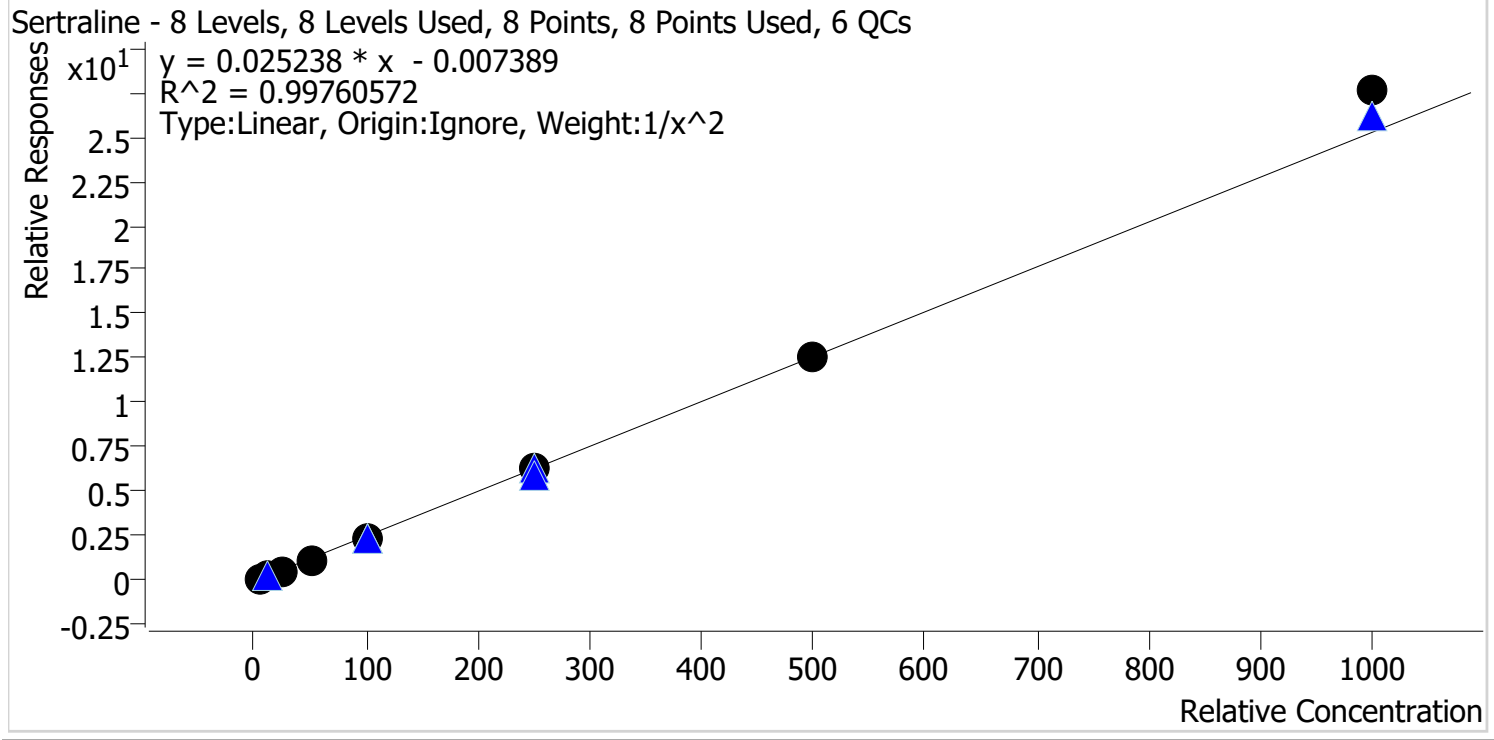
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	106.9	106.9
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	465.3	93.1
p1 Cal 8-1000ng	8	✓	1000.0	898.4	89.8

29



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1093.0	109.3

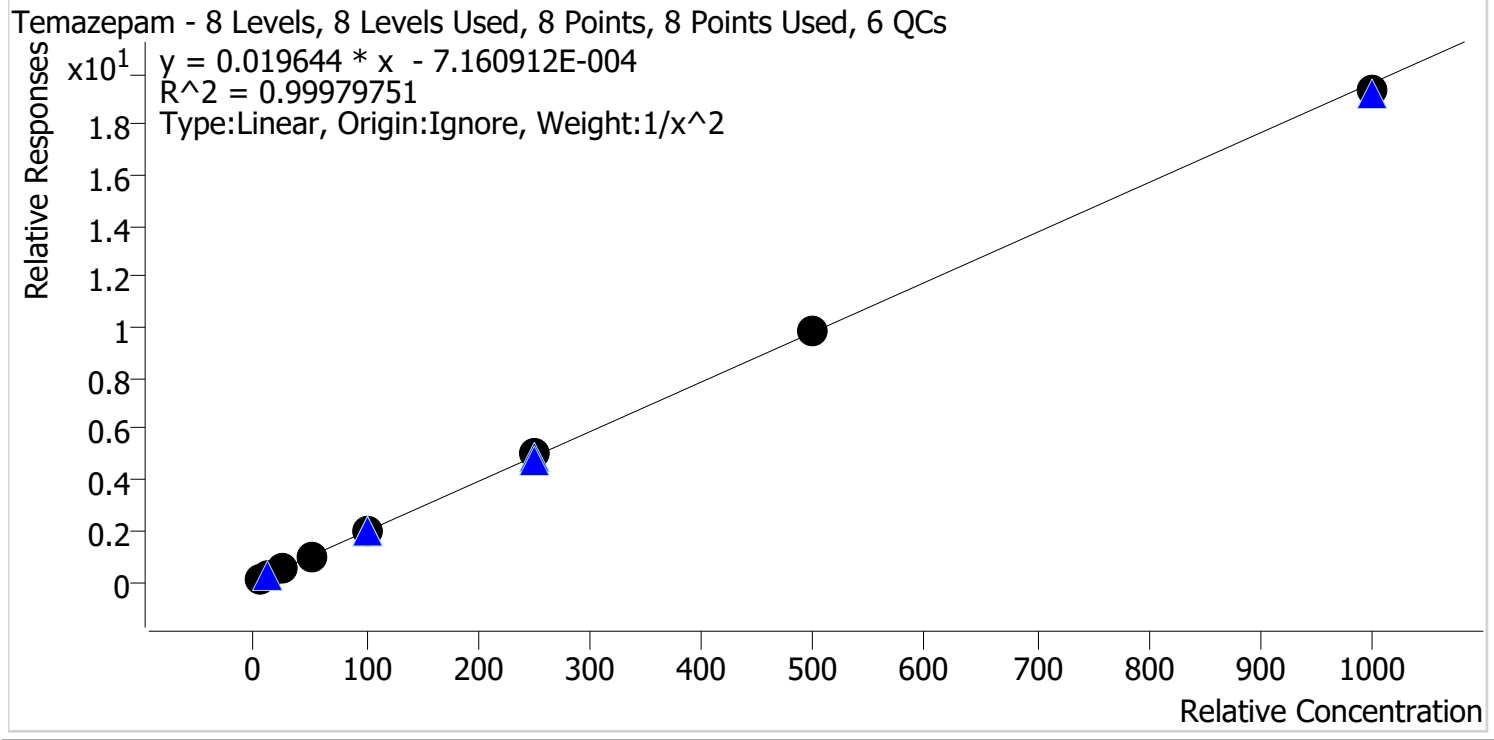


9



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



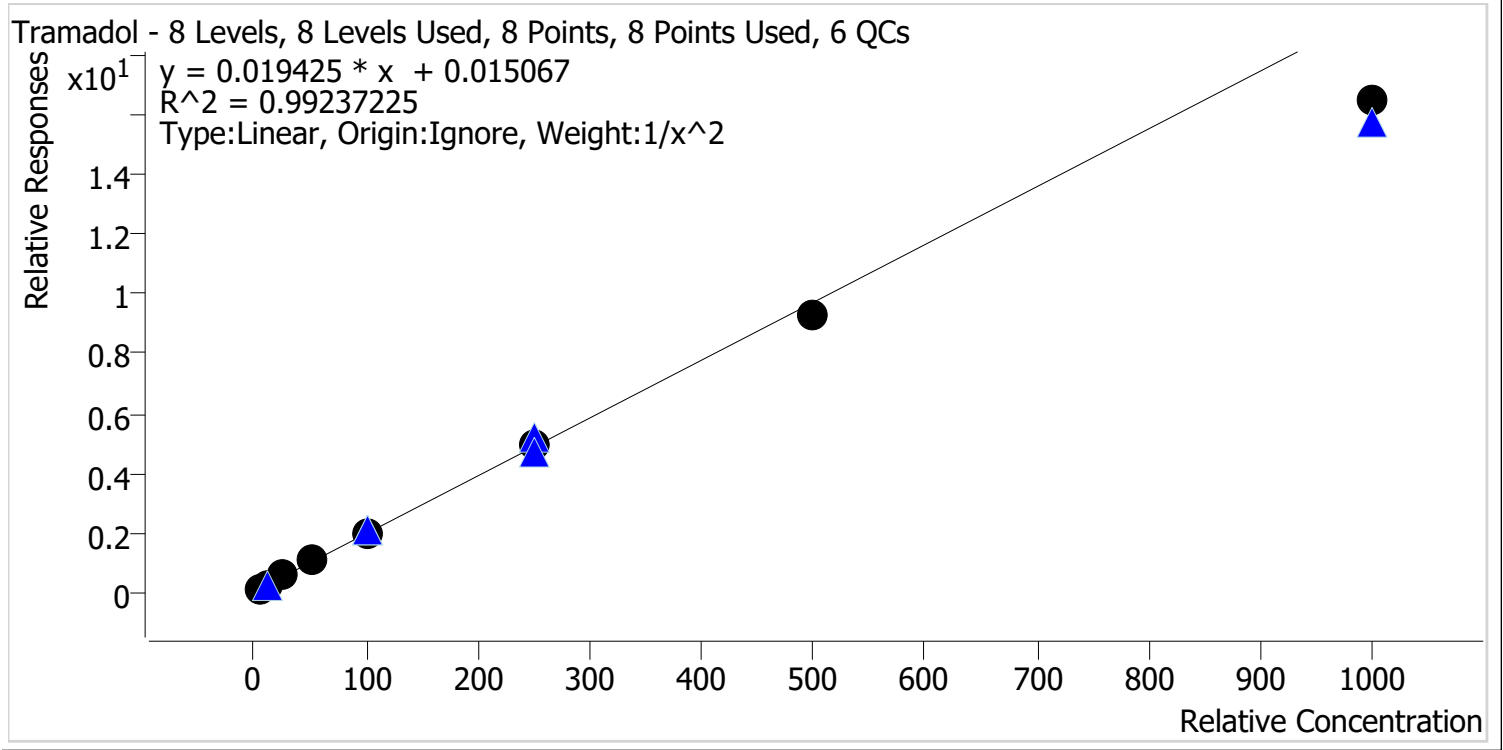
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	254.4	101.7
p1 Cal 7-500ng	7	✓	500.0	500.1	100.0
p1 Cal 8-1000ng	8	✓	1000.0	984.8	98.5

9



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



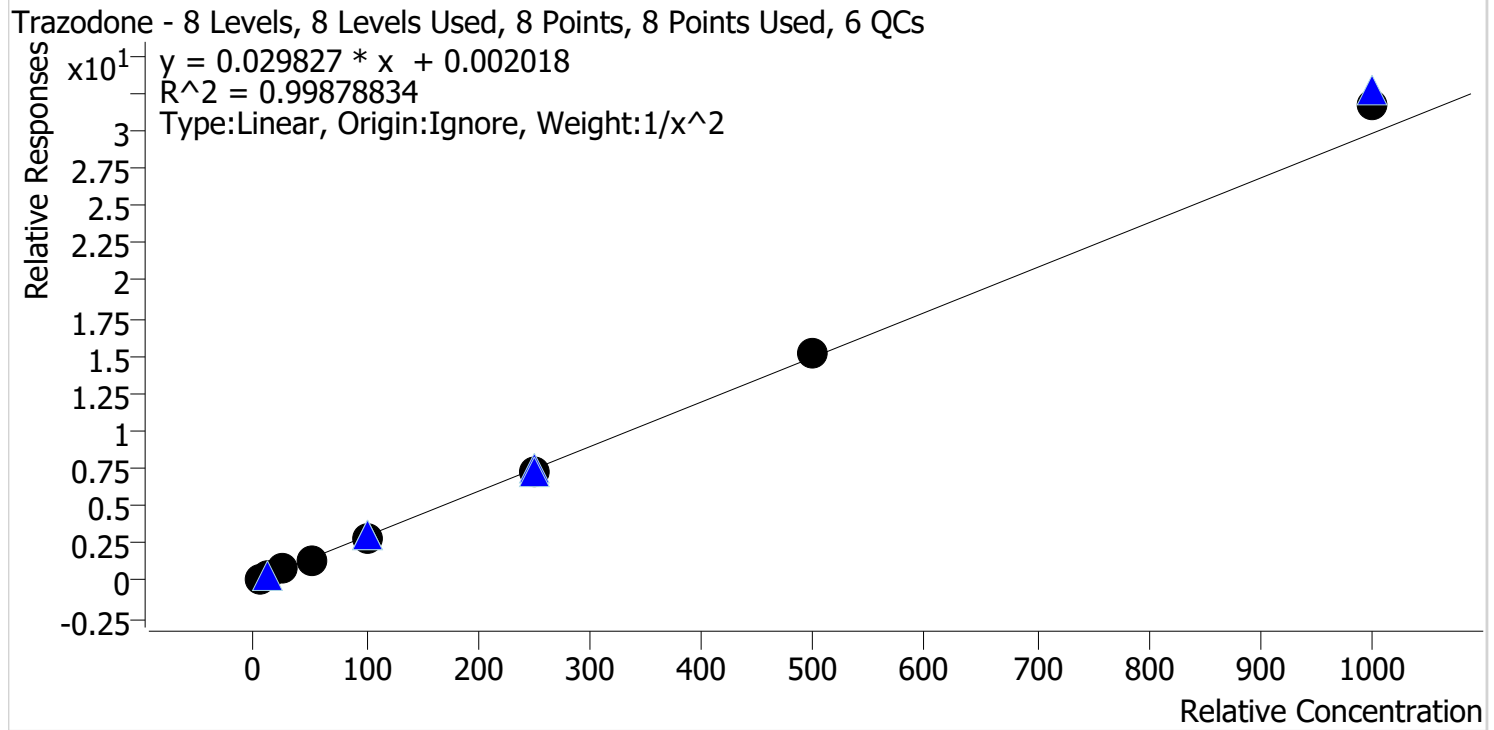
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.3	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	480.2	96.0
p1 Cal 8-1000ng	8	✓	1000.0	848.9	84.9

cf



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



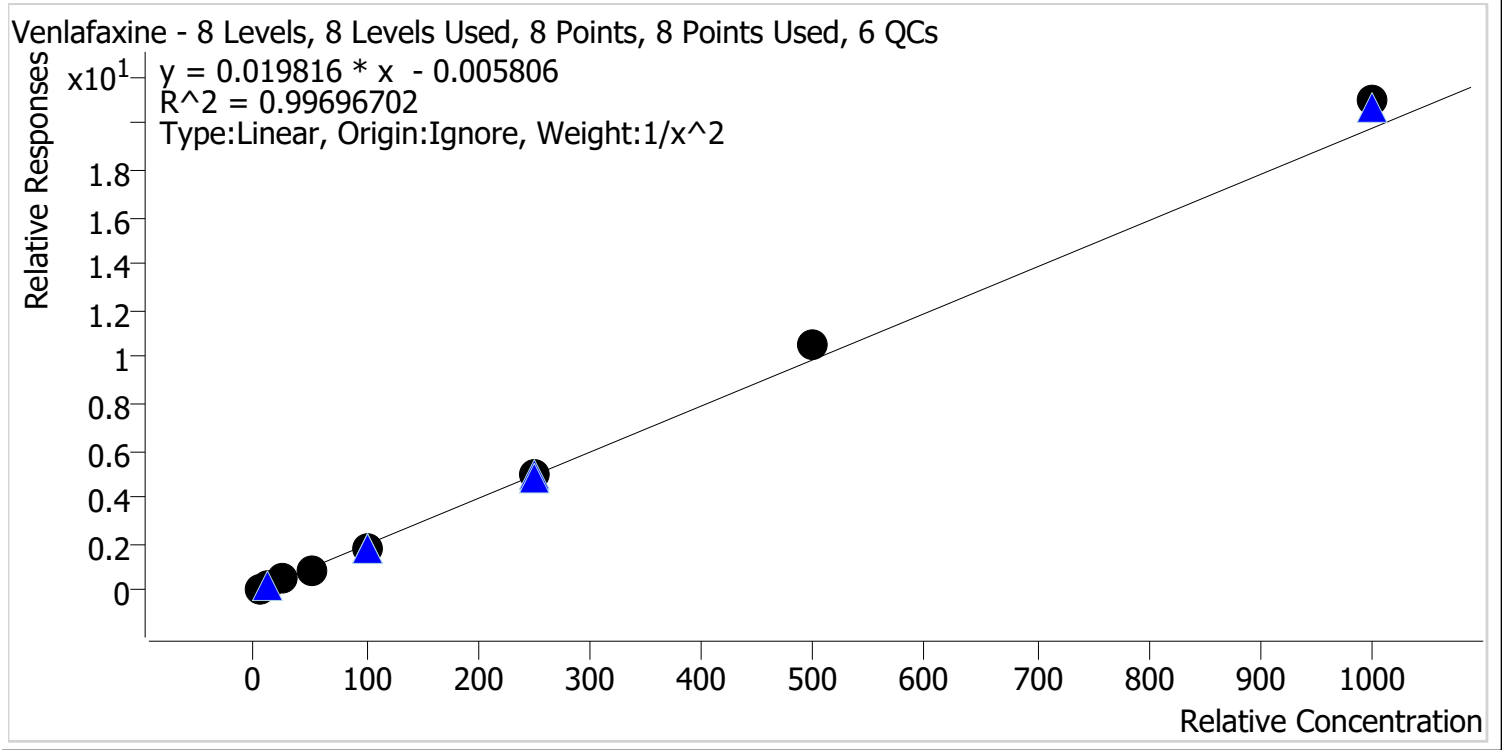
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	244.3	97.7
p1 Cal 7-500ng	7	✓	500.0	508.7	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1063.6	106.4

29



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



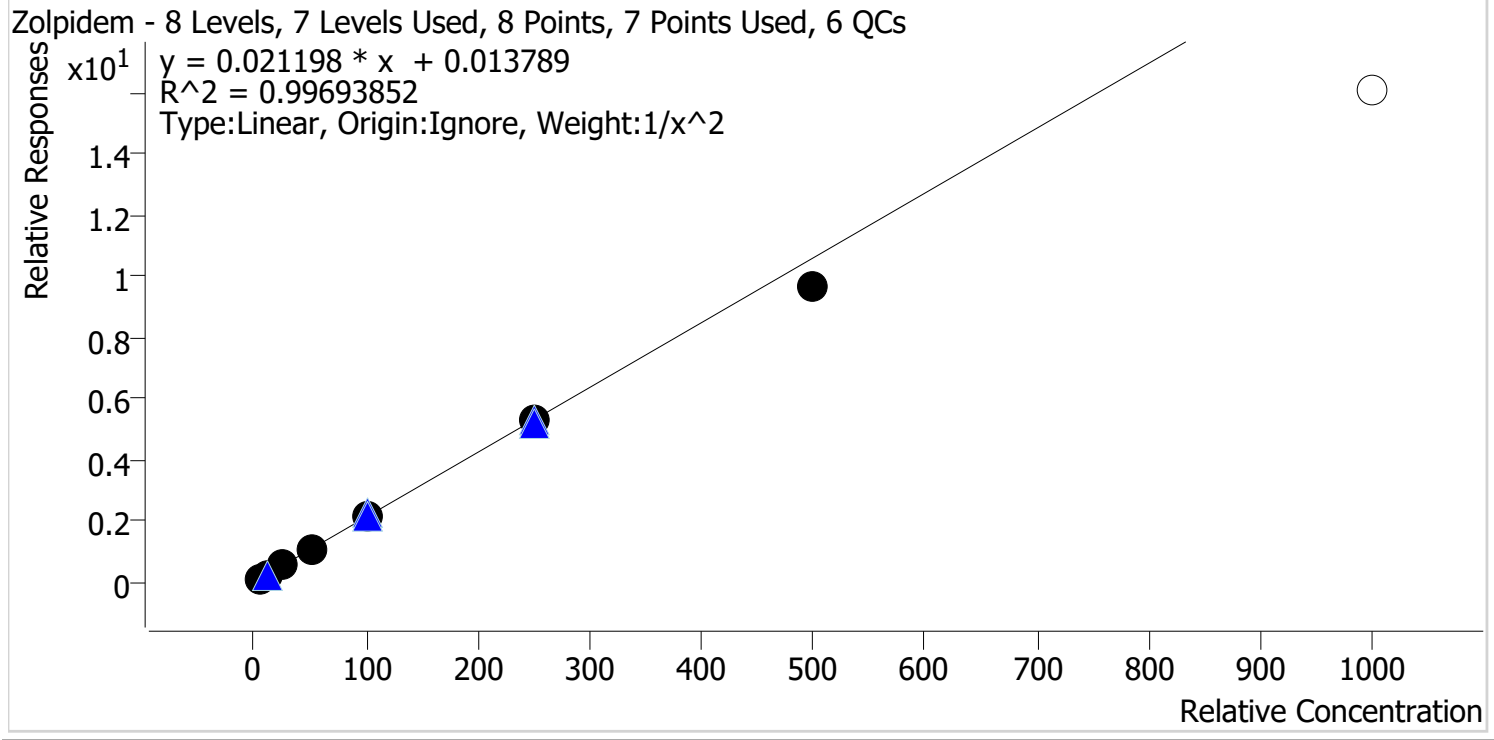
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	47.3	94.7
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	533.7	106.7
p1 Cal 8-1000ng	8	✓	1000.0	1059.6	106.0

cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/18/2023 10:31 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	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	453.9	90.8
p1 Cal 8-1000ng	8	x	1000.0	758.0	75.8

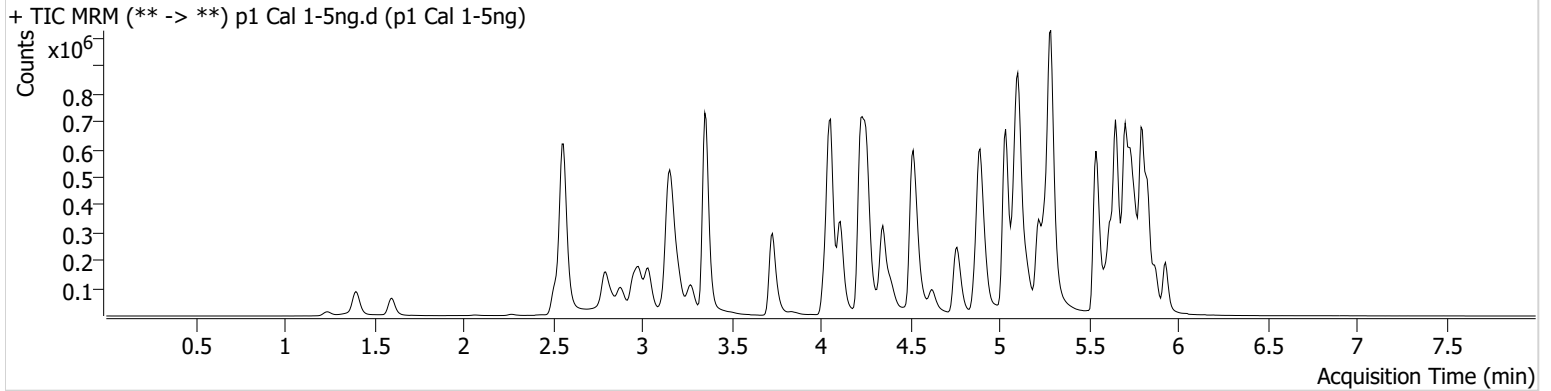
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 1-5ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-H12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/15/2023 3:36:27 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	1561	481.57	68.6	61.08	81282	0.4980 ng/ml
7-aminoclonazepam	4.251	20024	13274.55	88.3	388.65	160236	4.8169 ng/ml
a-hydroxyalprazolam	5.682	15069	85.36	67.0	9424.81	1129420	4.9528 ng/ml
alpha-PHP	4.928	24825	270.71	257.3	9238.76	673966	4.8499 ng/ml
alpha-PVP	4.357	90163	361.14	54.5	735.00	673966	5.1116 ng/ml
Alprazolam	5.759	55973	1564.34	114.0	347.15	293121	5.0622 ng/ml
Amphetamine	3.037	179183	3420.13	41.2	681.68	382891	4.6599 ng/ml
Benzoylecgonine	3.864	2388	21.63	7.7	14.34	13841	5.0407 ng/ml
Buprenorphine	5.837	1886	357.59	20.2 <b>High</b>	460.86	129927	0.6250 ng/ml
Bupropion	4.778	95133	3633.19	62.8	172.65	592249	4.9679 ng/ml
Carisoprodol	5.714	56512	2754.07	61.5	101.57	481839	5.1716 ng/ml
Chlorpheniramine	5.111	158904	3734.88	0.2	9.41	1292349	5.0255 ng/ml
Citalopram	5.218	94140	326.04	36.1	106.23	664832	5.0623 ng/ml
Clonazepam	5.601	54568	615.47	34.1	226.75	144331	4.7160 ng/ml
Clonazolum	5.545	44133	6921.48	35.9	18754.23	144331	4.8283 ng/ml
Cocaine	4.257	65448	185.43	57.0	412.85	1056512	5.0129 ng/ml
Codeine	2.573	9131	135.08	107.6	546.34	73524	4.6415 ng/ml
Cyclobenzaprine	5.625	69447	194.52	7.8	115.15	570089	5.1174 ng/ml
Dextromethorphan	5.262	48753	10991.27	80.0	140.29	406372	5.0805 ng/ml
Dextrorphan	4.111	30379	83.82	220.6	439.27	647173	5.0858 ng/ml
Diazepam	5.938	40028	196.74	88.0	228.51	291651	4.9615 ng/ml
Dihydrocodeine	2.545	23218	746.66	55.1	2140.24	276908	4.8830 ng/ml
Diphenhydramine	5.290	263002	248.42	30.8	23116.30	2015776	5.0803 ng/ml
DMT	2.845	9180	101.61	114.7	386.67	406372	5.1179 ng/ml
Doxylamine	4.531	191632	2053.16	99.1	11200.01	1618486	4.9894 ng/ml
Duloxetine	5.644	6607	337.99	13.0	17.49	63870	4.9000 ng/ml
EDDP	5.255	35815	922.27	43.5	247.08	340739	5.0371 ng/ml
Etizolam	5.797	17072	18381.94	27.0	6706.41	144331	5.1223 ng/ml
Fentanyl	5.094	8526	167.94	68.6	13226.96	715436	0.4954 ng/ml
Flualprazolam	5.688	26520	1072.76	90.6	3202.01	293121	4.6736 ng/ml
Fluorofentanyl	5.156	19044	165.17	43.9	4664.73	7313	0.5117 ng/ml
Fluoxetine	5.704	79804	783.71	7.3	9835.44	564390	5.1078 ng/ml
Hydrocodone	3.013	37886	126.00	32.9	75.25	370335	4.7045 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.609	25923	981.49	72.6	492.06	154884	5.0161 ng/ml
Hydroxyzine	5.701	87911	1760.81	75.9	2915.46	406372	5.2133 ng/ml
Ketamine	4.043	70693	4593.50	40.7	275.21	422100	4.8593 ng/ml
Lamotrigine	4.274	6241	75.34	86.3	6184.14	1543695	4.9731 ng/ml
Lorazepam	5.737	51008	436.88	46.6	112.51	657029	4.7545 ng/ml
MDA	3.184	125805	1254.79	35.5	271.23	642302	4.7321 ng/ml
MDMA	3.278	61873	239.71	104.2	377.85	150732	4.9492 ng/ml
Meprobamate	4.895	43005	230.62	28.7	282.33	408317	4.9081 ng/ml
Methadone	5.656	152629	4466.50	48.4	533.65	1089915	5.0382 ng/ml
Methamphetamine	3.205	153916	4928.26	32.2	731.15	1029860	4.7624 ng/ml
Metoprolol	4.320	18995	11708.66	104.7	312.52	1422324	4.8284 ng/ml
Mirtazapine	4.627	124589	800.06	49.9	12673.66	673966	5.1100 ng/ml
Mitragynine	5.230	21202	409.89	35.5	4520.39	1089915	4.8034 ng/ml
Morphine	1.247	4507	254.78	17.7	64.65	10766	4.9444 ng/ml
Norbuprenorphine	4.990	735	26.19	105.7	1388.40	27571	0.4904 ng/ml
Nordiazepam	5.877	35648	9026.80	64.8	445.77	205377	5.0220 ng/ml
Norfentanyl	4.071	15673	924.10	39.1	7.83 <b>Low</b>	1165356	0.5231 ng/ml
Norhydrocodone	3.060	7007	78.15	39.7	96.38	146865	5.3153 ng/ml
Noroxycodone	2.904	41863	336.31	42.6	642.35	270835	5.0834 ng/ml
O-desmethyl-tramadol	3.359	156258	9961.97	5.7	118.63	1735927	5.1182 ng/ml
o-desmethylvenlafaxine	4.056	227863	15092.40	18.6	488.31	332728	5.1968 ng/ml
Olanzapine	4.468	22683	93.51	56.8	142.08	112482	4.9435 ng/ml
Oxazepam	5.740	66203	101.66	73.4	375.53	657029	4.9208 ng/ml
Oxycodone	2.822	69678	594.60	27.3	205.70	517469	4.7720 ng/ml
Oxymorphone	1.405	39007	128.35	43.5	167.55	238979	5.0071 ng/ml
Phentermine	3.767	40068	103.00	6.4	41.78	812486	4.8128 ng/ml
Promethazine	5.541	114780	415.66	30.8	358.08	920545	5.1333 ng/ml
Pseudoephedrine	2.569	199378	7513.94	17.3	4148.42	1543695	5.1719 ng/ml
Quetiapine	5.558	105615	1058.69	59.4	62623.04	276690	4.8667 ng/ml
Sertraline	5.773	23307	481.47	116.2	182.40	192791	5.0830 ng/ml
Temazepam	5.800	110314	421.89	27.6	145.77	1129420	5.0085 ng/ml
Tramadol	4.239	154193	144.66	3.4	12.20	1422324	4.8052 ng/ml
Trazodone	5.148	107830	3596.39	63.0	707.54	704203	5.0660 ng/ml
Venlafaxine	5.036	149382	7198.27	34.5	292.96	1550517	5.1549 ng/ml
Zolpidem	4.912	153841	11687.75	29.4	386.06	1313106	4.8762 ng/ml

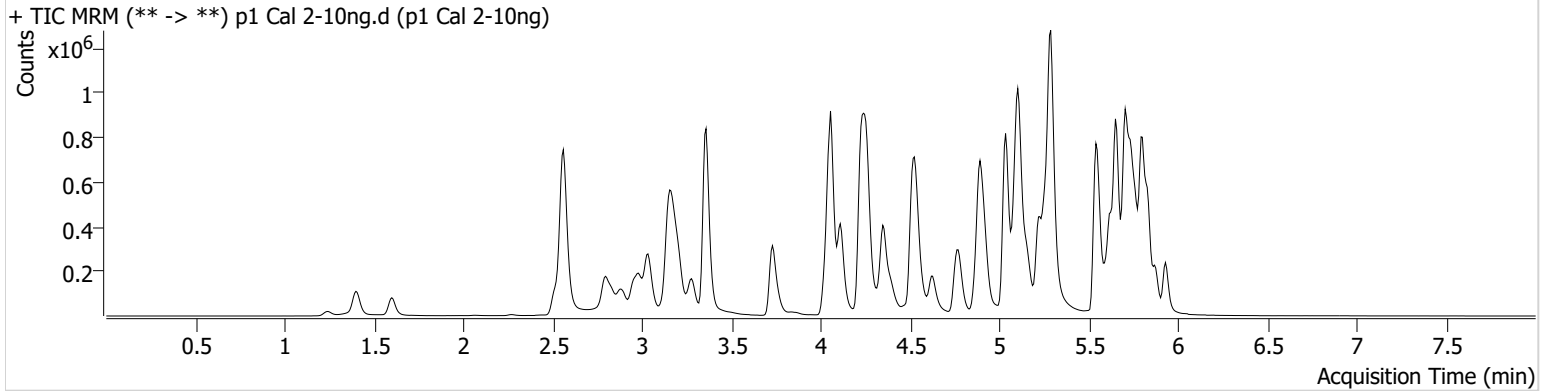
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 2-10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2-10ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-G12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/15/2023 3:47:14 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	3413	5079.69	72.3	2388.43	88314	1.0132 ng/ml
7-aminoclonazepam	4.251	40566	64.54	86.7	781.59	167033	10.2102 ng/ml
a-hydroxyalprazolam	5.682	31668	184.74	65.6	234.77	1190949	10.0930 ng/ml
alpha-PHP	4.928	52578	1593.72	253.6	10174.75	736788	10.1616 ng/ml
alpha-PVP	4.357	191780	10792.47	53.4	312.57	736788	9.7072 ng/ml
Alprazolam	5.759	115269	408.09	117.2	∞	307654	9.7701 ng/ml
Amphetamine	3.037	371960	1078.16	42.1	734.28	400805	10.8417 ng/ml
Benzoylcegonine	3.871	5376	901.76	9.9	∞	16809	9.9173 ng/ml
Buprenorphine	5.837	4256	53.51	15.6	912.22	146234	1.0329 ng/ml
Bupropion	4.778	198650	325.01	64.7	522.67	624159	10.0525 ng/ml
Carisoprodol	5.714	117383	265.83	58.4	137.76	505709	9.6851 ng/ml
Chlordiazepoxide	5.835	44669	2936.19	149.6	770.10	655203	1.5121 ng/ml
Chlorpheniramine	5.111	346543	2139.77	0.3	39.14	1415798	9.9867 ng/ml
Citalopram	5.218	204336	2439.47	37.1	1736.00	719901	9.9359 ng/ml
Clonazepam	5.601	120697	975.82	34.3	252.32	156495	10.5173 ng/ml
Clonazolam	5.545	90760	7706.62	37.3	30847.84	156495	10.2945 ng/ml
Cocaine	4.257	140063	379.44	57.1	4974.72	1125799	10.0101 ng/ml
Codeine	2.573	18904	491.83	108.3	136.47	76178	10.7789 ng/ml
Cyclobenzaprine	5.625	161592	8713.07	7.7	236.80	665621	9.7908 ng/ml
Dextromethorphan	5.269	102710	2511.66	81.7	2925.35	443381	9.7584 ng/ml
Dextrorphan	4.111	64166	650.61	215.3	373.60	689325	9.8601 ng/ml
Diazepam	5.938	84609	1337.78	88.6	299.37	304632	10.1102 ng/ml
Dihydrocodeine	2.545	47123	205.48	57.3	305.58	293681	10.1202 ng/ml
Diphenhydramine	5.290	571340	19999.76	30.7	316.30	2169860	9.9479 ng/ml
DMT	2.838	21435	622.64	110.3	353.81	443381	9.7925 ng/ml
Doxylamine	4.538	421800	4261.51	98.4	18097.61	1748453	10.0315 ng/ml
Duloxetine	5.651	15172	645.71	14.5	26.60	72461	10.0689 ng/ml
EDDP	5.255	101390	328.76	42.0	1248.86	471810	10.0388 ng/ml
Etizolam	5.797	36450	29930.33	25.4	14714.79	156495	9.9148 ng/ml
Fentanyl	5.101	17313	78.06	64.9	14147.51	774780	0.9990 ng/ml
Flualprazolam	5.695	55124	1476.37	92.0	6979.47	307654	10.7723 ng/ml
Fluorofentanyl	5.156	41539	633.53	41.4	1850.77	7567	0.9795 ng/ml
Fluoxetine	5.704	179741	311.70	6.9	531.64	639039	9.7307 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.013	79999	139.76	32.9	71.40	389741	10.5695 ng/ml
Hydromorphone	1.609	53154	1264.26	73.5	6058.11	161221	9.9618 ng/ml
Hydroxyzine	5.708	190697	2865.75	71.4	2965.04	443381	9.6477 ng/ml
Ketamine	4.043	146155	848.20	41.1	980.91	450170	10.1966 ng/ml
Lamotrigine	4.274	12761	1026.59	89.8	1918.71	1606982	9.9534 ng/ml
Lorazepam	5.737	103321	1975.82	49.8	182.61	693435	10.4672 ng/ml
MDA	3.184	265356	1470.15	34.0	266.42	675540	10.6549 ng/ml
MDMA	3.285	128552	1187.28	104.1	1492.20	157447	10.0134 ng/ml
Meprobamate	4.895	87291	2286.13	29.2	406.32	425214	10.2145 ng/ml
Methadone	5.656	339616	9751.40	48.4	3568.33	1173223	10.0450 ng/ml
Methamphetamine	3.212	320889	5634.79	32.3	1132.68	1097753	10.4276 ng/ml
Metoprolol	4.320	40820	16530.44	100.6	772.29	1494736	10.3607 ng/ml
Mirtazapine	4.627	273764	3438.65	49.5	1039.26	736788	9.8111 ng/ml
Mitragynine	5.230	52354	1446.86	35.0	45.70	1173223	10.4397 ng/ml
Morphine	1.247	9273	9107.15	17.8	77.56	11438	9.9826 ng/ml
Norbuprenorphine	4.990	1077	1464.73	102.3	6063.12	28676	0.9470 ng/ml
Nordiazepam	5.877	74409	692.36	64.7	564.23	217507	9.8625 ng/ml
Norfentanyl	4.078	32068	751.95	37.1	38.95	1241775	0.9398 ng/ml
Norhydrocodone	3.060	14025	344.98	41.1	125.46	150321	9.2146 ng/ml
Noroxycodone	2.904	83339	165.05	44.2	716.92	284152	9.8097 ng/ml
O-desmethyl-tramadol	3.366	324982	1382.67	5.8	355.40	1828900	9.7980 ng/ml
o-desmethylvenlafaxine	4.063	479659	30483.08	18.7	888.32	352511	9.6215 ng/ml
Olanzapine	4.475	52270	763.77	55.3	209.87	126799	10.0614 ng/ml
Oxazepam	5.740	136562	5122.47	75.2	330.92	693435	10.0963 ng/ml
Oxycodone	2.828	147381	940.12	28.1	473.34	545682	10.4630 ng/ml
Oxymorphone	1.405	79996	574.09	43.9	448.72	252707	10.0062 ng/ml
Phentermine	3.767	85749	845.92	5.8	52.60	866718	10.4506 ng/ml
Promethazine	5.541	252115	3745.32	31.9	1556.45	1040972	9.6590 ng/ml
Pseudoephedrine	2.569	407697	13275.29	17.5	361.29	1606982	9.6617 ng/ml
Quetiapine	5.558	227296	134548.41	58.9	73623.30	302124	10.1902 ng/ml
Sertraline	5.773	56729	334.94	106.3	264.17	234194	9.8908 ng/ml
Temazepam	5.800	232676	3269.31	26.6	143.00	1190949	9.9818 ng/ml
Tramadol	4.239	322956	971.63	3.5	52.73	1494736	10.3471 ng/ml
Trazodone	5.155	228009	13762.88	66.3	1631.04	768218	9.8830 ng/ml
Venlafaxine	5.036	313581	868.39	35.2	1286.67	1694686	9.6308 ng/ml
Zolpidem	4.912	326915	573.33	28.9	110054.20	1413684	10.2584 ng/ml

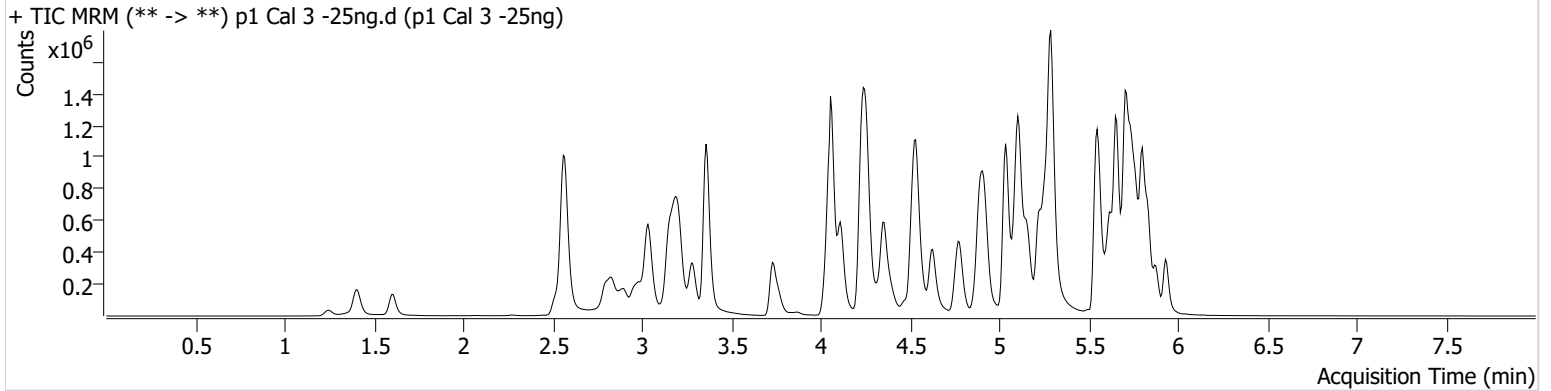
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 3 -25ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 3 -25ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-F12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/15/2023 3:57:51 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	8702	1508.12	67.8	5205.45	93323	2.4603 ng/ml
7-aminoclonazepam	4.251	109502	276.88	88.4	163.37	178319	27.1914 ng/ml
a-hydroxyalprazolam	5.682	77505	182.47	66.6	482.98	1159920	25.7015 ng/ml
alpha-PHP	4.928	134690	13242.76	253.1	2229.17	756232	26.5835 ng/ml
alpha-PVP	4.357	506820	9766.04	52.1	8431.77	756232	24.5969 ng/ml
Alprazolam	5.759	300062	1465.05	113.0	891.55	306314	25.2721 ng/ml
Amphetamine	3.037	946419	2466.43	41.0	5947.12	427974	28.0860 ng/ml
Benzoylecgonine	3.871	13843	325.00	7.7	482.87	18039	24.7346 ng/ml
Buprenorphine	5.837	11563	7526.89	16.1	2613.95	145649	2.4392 ng/ml
Bupropion	4.778	515563	21516.06	63.2	559.47	655536	25.1545 ng/ml
Carisoprodol	5.714	280827	377409.54	62.7	498.63	479679	23.5731 ng/ml
Chlordiazepoxide	5.835	110464	2572.22	153.8	2369.90	655532	22.7197 ng/ml
Chlorpheniramine	5.111	900640	10254.64	0.3	51.33	1489032	24.6520 ng/ml
Citalopram	5.218	515852	1104.24	36.9	911.60	735104	24.2545 ng/ml
Clonazepam	5.601	303162	1041.71	33.1	860.38	158988	27.2728 ng/ml
Clonazolam	5.545	224448	3825.28	37.4	32763.00	158988	26.8773 ng/ml
Cocaine	4.257	358862	606.32	56.1	543.60	1155801	24.8962 ng/ml
Codeine	2.573	47472	739.51	104.1	13236.54	79898	27.9090 ng/ml
Cyclobenzaprine	5.625	406850	23927.16	7.6	377.69	657189	24.3305 ng/ml
Dextromethorphan	5.269	262961	5402.45	80.5	249.40	451496	24.4512 ng/ml
Dextrorphan	4.118	166952	2207.33	218.8	398.37	717609	24.3002 ng/ml
Diazepam	5.938	207799	337.05	90.7	1247.97	307003	24.7369 ng/ml
Dihydrocodeine	2.545	123855	526.43	56.2	316.52	306033	26.8185 ng/ml
Diphenhydramine	5.290	1420228	34707.95	31.4	153.92	2226932	23.6689 ng/ml
DMT	2.845	57617	250.75	110.8	474.45	451496	24.1808 ng/ml
Doxylamine	4.538	1098036	3176.29	98.1	35013.15	1829803	24.7606 ng/ml
Duloxetine	5.651	37426	3672.47	15.2	209.06	67901	26.7475 ng/ml
EDDP	5.255	289507	369.21	42.8	7337.26	543678	24.5083 ng/ml
Etizolam	5.797	88322	1672.24	27.1	18737.53	158988	23.4028 ng/ml
Fentanyl	5.101	43203	86.71	68.0	41809.66	792474	2.5524 ng/ml
Flualprazolam	5.695	128632	2557.41	99.7	15644.54	306314	27.3265 ng/ml
Fluorofentanyl	5.156	104477	495.81	41.4	19636.89	7365	2.3893 ng/ml
Fluoxetine	5.704	431251	14657.61	7.4	52310.45	591813	24.5192 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.013	205436	242.16	32.9	∞	404492	27.8080 ng/ml
Hydromorphone	1.609	142979	7746.69	74.1	4651.73	174909	24.8228 ng/ml
Hydroxyzine	5.708	488991	22837.07	74.7	1480.39	451496	23.1923 ng/ml
Ketamine	4.043	372177	27022.78	41.1	7762.58	465098	26.3439 ng/ml
Lamotrigine	4.274	33146	569.23	88.1	2553.26	1649005	25.4880 ng/ml
Lorazepam	5.737	243966	1654.99	49.1	238.07	670709	27.6573 ng/ml
MDA	3.191	650546	9678.97	34.2	593.22	692493	27.0940 ng/ml
MDMA	3.285	339979	4435.99	103.8	2151.36	162233	25.9689 ng/ml
Meprobamate	4.895	225372	1085.83	28.7	1912.13	442125	26.3760 ng/ml
Methadone	5.656	850393	18514.79	47.8	13491.27	1198713	24.1155 ng/ml
Methamphetamine	3.212	817895	8237.78	32.5	1672.40	1135926	27.3886 ng/ml
Metoprolol	4.320	107548	166908.41	99.0	1735.66	1587895	26.3858 ng/ml
Mirtazapine	4.627	704230	3677.45	49.7	2921.79	756232	23.9036 ng/ml
Mitragynine	5.230	138054	1868.84	35.9	35795.93	1198713	26.2360 ng/ml
Morphine	1.247	25257	882.85	17.6	114.94	12461	25.6104 ng/ml
Norbuprenorphine	4.990	2168	696.05	93.4	180.85	28632	2.5461 ng/ml
Nordiazepam	5.877	187338	6815.76	63.1	709.40	213551	25.2331 ng/ml
Norfentanyl	4.078	82354	993.33	38.0	166.24	1215645	2.3515 ng/ml
Norhydrocodone	3.060	36471	265.34	39.8	113.91	143519	22.9704 ng/ml
Noroxycodone	2.904	214947	1358.92	44.0	265.42	295286	24.6180 ng/ml
O-desmethyl-tramadol	3.366	838763	841.96	5.9	663.31	1903401	23.8342 ng/ml
o-desmethylvenlafaxine	4.063	1264438	82246.74	18.0	2332.77	365860	23.3393 ng/ml
Olanzapine	4.468	144930	6899.63	54.6	653.81	136812	25.7896 ng/ml
Oxazepam	5.740	325395	6859.99	75.7	191.99	670709	25.6062 ng/ml
Oxycodone	2.828	381900	2437.34	27.9	821.53	578473	26.8552 ng/ml
Oxymorphone	1.405	207584	∞	45.2	1095.72	272624	24.5104 ng/ml
Phentermine	3.767	218122	659.36	6.4	118.22	910848	26.4184 ng/ml
Promethazine	5.541	642681	718.68	31.7	592.59	1035116	24.2441 ng/ml
Pseudoephedrine	2.569	1048657	29590.65	17.4	70819.28	1649005	23.4410 ng/ml
Quetiapine	5.558	584981	7697.15	58.9	7742.59	311991	26.3162 ng/ml
Sertraline	5.773	128847	2125.00	102.4	8014.38	212797	24.2845 ng/ml
Temazepam	5.800	568439	722.11	27.8	455.46	1159920	24.9834 ng/ml
Tramadol	4.239	840028	1534.79	3.5	178.19	1587895	26.4581 ng/ml
Trazodone	5.155	574407	365.22	65.3	652.11	786911	24.4049 ng/ml
Venlafaxine	5.036	818594	96100.08	34.8	2084.20	1725801	24.2297 ng/ml
Zolpidem	4.912	836674	7132.16	28.9	5737.43	1476088	26.0883 ng/ml

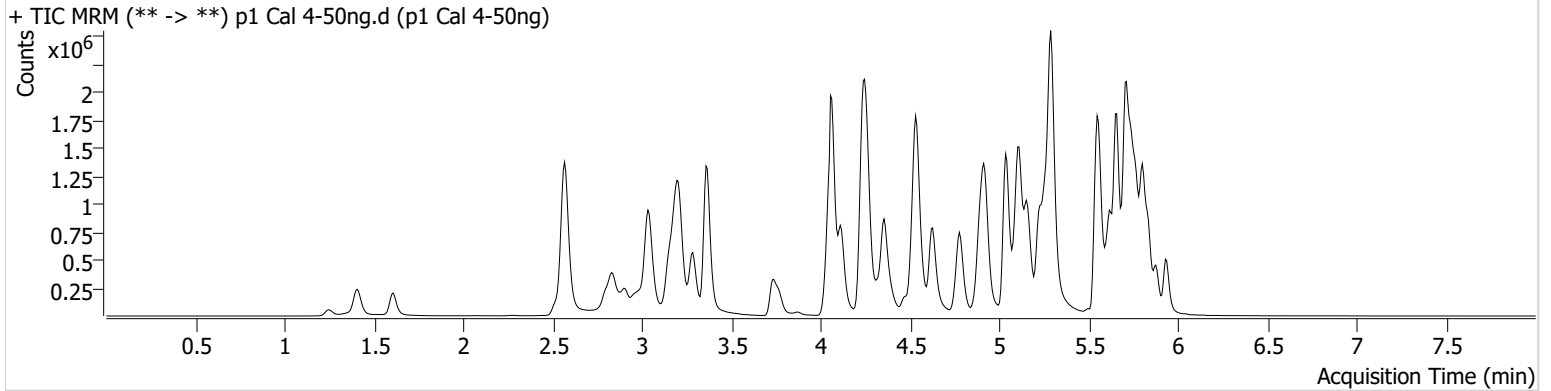
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 4-50ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 4-50ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-E12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/15/2023 4:08:29 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	16350	3285.57	72.0	2427.65	87314	4.9522 ng/ml
7-aminoclonazepam	4.251	204393	∞	87.3	7264.37	171229	53.7050 ng/ml
a-hydroxyalprazolam	5.682	135144	575.67	65.9	364.62	1040075	50.1909 ng/ml
alpha-PHP	4.928	256836	2242.13	254.6	4931.79	728413	53.4272 ng/ml
alpha-PVP	4.357	957262	427.84	53.1	5416.82	728413	47.9899 ng/ml
Alprazolam	5.759	537147	840.36	115.3	706.82	285138	48.4440 ng/ml
Amphetamine	3.037	1690010	31395.78	42.2	8153.47	418945	52.5757 ng/ml
Benzoylecgonine	3.871	25094	433.05	8.3	7358.20	16975	48.2646 ng/ml
Buprenorphine	5.837	22336	1204.22	15.0	3752.04	145682	4.5067 ng/ml
Bupropion	4.785	990539	39812.42	63.0	37700.20	630777	50.4381 ng/ml
Carisoprodol	5.714	476006	2284996.96	61.8	434.81	404018	46.8710 ng/ml
Chlordiazepoxide	5.842	202719	16024.20	155.2	5629.46	630360	55.0759 ng/ml
Chlorpheniramine	5.111	1745471	2026.67	0.3	185.71	1455789	48.8499 ng/ml
Citalopram	5.225	969211	1022.13	37.3	347515.53	696727	47.8738 ng/ml
Clonazepam	5.601	553949	712.58	32.5	1456.92	146244	55.0273 ng/ml
Clonazolam	5.545	397772	10090.49	36.9	204444.42	146244	52.9583 ng/ml
Cocaine	4.257	669338	24250.32	56.3	653.71	1103003	48.6038 ng/ml
Codeine	2.573	85982	5306.15	105.1	138218.48	74746	55.4443 ng/ml
Cyclobenzaprine	5.625	787252	586.60	7.7	720.27	659539	46.5306 ng/ml
Dextromethorphan	5.269	510071	94480.99	78.0	334.29	430145	49.7255 ng/ml
Dextrorphan	4.118	314195	12672.55	220.0	2287.87	684437	47.7254 ng/ml
Diazepam	5.938	399773	319.79	86.4	642.43	283793	51.5561 ng/ml
Dihydrocodeine	2.552	231191	10226.69	56.7	15465.36	297384	52.2978 ng/ml
Diphenhydramine	5.290	2778310	161577.42	30.9	526.38	2120637	48.3074 ng/ml
DMT	2.845	109183	1806.57	115.7	2522.50	430145	47.0902 ng/ml
Doxylamine	4.538	2152204	67623.76	97.6	11973.47	1782405	49.6914 ng/ml
Duloxetine	5.651	73699	1383.18	14.6	2696.75	70398	50.9354 ng/ml
EDDP	5.262	543418	390.04	42.6	24655.71	520299	47.8314 ng/ml
Etizolam	5.804	161988	2643.39	27.5	64479.42	146244	46.4871 ng/ml
Fentanyl	5.101	85868	5186.64	66.8	42358.69	782621	5.2178 ng/ml
Flualprazolam	5.695	228955	212.72	99.3	8147.68	285138	53.6625 ng/ml
Fluorofentanyl	5.156	205383	1983.79	41.3	4790.49	6915	4.9050 ng/ml
Fluoxetine	5.711	816401	1200.61	7.4	24239.45	567365	47.9943 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.013	371169	∞	33.5	329.33	382536	54.1478 ng/ml
Hydromorphone	1.609	270259	6309.75	73.7	2038124.98	165834	49.5703 ng/ml
Hydroxyzine	5.708	934646	42463.48	73.4	8994.49	430145	45.7993 ng/ml
Ketamine	4.043	713556	531.45	40.5	382.91	448070	53.2466 ng/ml
Lamotrigine	4.274	61469	1255.53	88.9	4390.40	1526322	51.2593 ng/ml
Lorazepam	5.737	411117	40603.37	48.1	627.54	595129	53.8381 ng/ml
MDA	3.191	1170710	2057.91	34.1	864.37	645424	53.3918 ng/ml
MDMA	3.285	640551	5289.97	104.4	4557.78	158188	50.3385 ng/ml
Meprobamate	4.895	389400	8819.43	29.0	4795.74	411530	49.5456 ng/ml
Methadone	5.656	1659734	24987.12	47.2	1356.71	1164985	48.0805 ng/ml
Methamphetamine	3.212	1549376	1333.26	31.8	4465.54	1130237	53.1971 ng/ml
Metoprolol	4.320	198938	450210.93	102.8	1443.36	1493950	52.3271 ng/ml
Mirtazapine	4.627	1363801	6039.81	50.4	66417.18	728413	47.5991 ng/ml
Mitragynine	5.230	275112	1166.85	35.8	13644.36	1164985	53.3261 ng/ml
Morphine	1.253	46876	1794.55	16.5	248.15	11345	52.6596 ng/ml
Norbuprenorphine	4.990	3882	3154.10	97.1	4559.50	29045	4.9740 ng/ml
Nordiazepam	5.877	344142	1744.10	64.5	1004.94	197187	50.1641 ng/ml
Norfentanyl	4.078	153785	1651.70	37.8	1997.13	1138377	4.6194 ng/ml
Norhydrocodone	3.067	65716	194.76	37.5	96.70	124949	46.2214 ng/ml
Noroxycodone	2.904	384882	5891.34	44.7	1925.28	269667	48.4442 ng/ml
O-desmethyl-tramadol	3.366	1602118	34160.16	5.9	1452.31	1809807	47.5635 ng/ml
o-desmethylvenlafaxine	4.063	2405350	97454.85	18.2	595.54	343147	46.6037 ng/ml
Olanzapine	4.468	281017	878.68	56.3	1233.05	136522	50.0723 ng/ml
Oxazepam	5.740	581416	513.05	73.1	189.13	595129	52.0721 ng/ml
Oxycodone	2.828	720941	1250.33	28.3	724.50	554278	53.7691 ng/ml
Oxymorphone	1.405	389525	∞	43.4	464.95	251598	50.1617 ng/ml
Phentermine	3.767	413185	867.56	6.3	782.73	876025	52.7996 ng/ml
Promethazine	5.541	1273361	1264.16	31.3	541.31	1026948	48.0875 ng/ml
Pseudoephedrine	2.576	1988499	63449.10	17.2	798.08	1526322	47.4814 ng/ml
Quetiapine	5.558	1086706	1502.42	60.9	234435.91	296604	52.0109 ng/ml
Sertraline	5.773	282950	492.29	102.8	2591868.94	237393	47.5201 ng/ml
Temazepam	5.807	1003467	898.06	27.4	513.61	1040075	49.1498 ng/ml
Tramadol	4.239	1612510	89.93	3.4	199.38	1493950	54.7893 ng/ml
Trazodone	5.155	1128784	197274.22	66.1	84215.64	768538	49.1737 ng/ml
Venlafaxine	5.036	1569529	32628.99	34.7	3043.63	1683469	47.3421 ng/ml
Zolpidem	4.912	1603381	151282.42	29.3	398287.28	1450679	51.4885 ng/ml

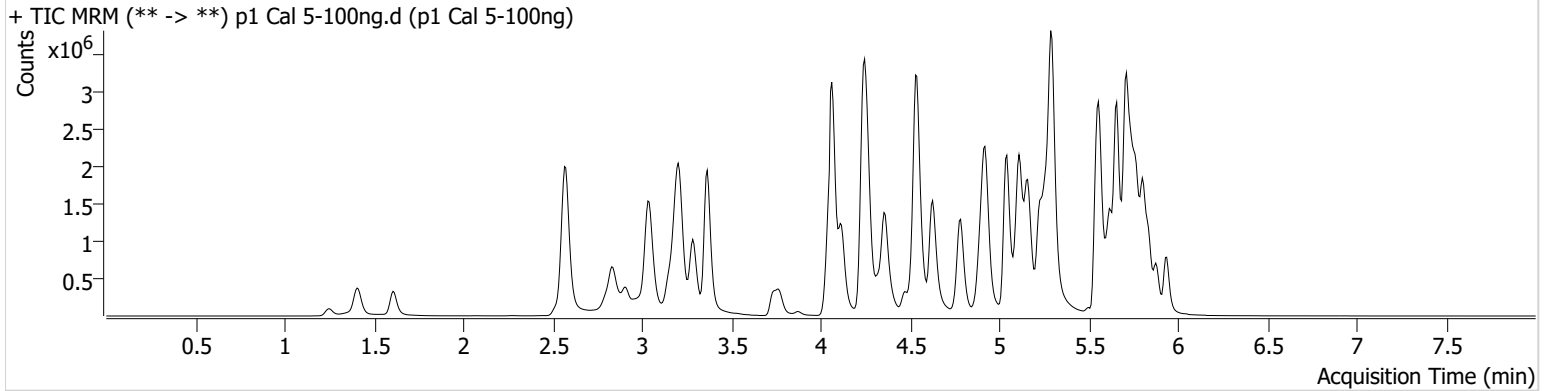
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-D12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/15/2023 4:19:07 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	33111	405.93	70.1	50245.95	84695	10.3510 ng/ml
7-aminoclonazepam	4.258	336766	2830.60	88.3	6283.78	142119	107.4976 ng/ml
a-hydroxyalprazolam	5.682	220462	634.10	65.1	1187.92	869461	98.1571 ng/ml
alpha-PHP	4.935	479527	4354.72	256.6	2344.94	684786	106.9121 ng/ml
alpha-PVP	4.363	1838231	1567.70	53.2	2210.07	684786	97.7633 ng/ml
Alprazolam	5.766	1002478	∞	117.3	1794.24	260085	98.9438 ng/ml
Amphetamine	3.043	2974724	1579.56	41.4	18976.05	394409	99.7157 ng/ml
Benzoylecgonine	3.871	50488	9393.13	7.6	420.70	16118	103.0187 ng/ml
Buprenorphine	5.837	43712	35214.28	14.3	7343.51	132256	9.4616 ng/ml
Bupropion	4.785	1962465	45162.97	62.4	4160.44	613418	102.9775 ng/ml
Carisoprodol	5.721	762012	4457.71	62.3	3663.34	312100	96.5292 ng/ml
Chlordiazepoxide	5.841	361558	6329.27	160.2	8988.45	588879	116.8766 ng/ml
Chlorpheniramine	5.118	3490639	13182.72	0.3	387.63	1414090	100.5534 ng/ml
Citalopram	5.225	1870603	49518.09	37.0	6584.46	636977	100.8308 ng/ml
Clonazepam	5.601	961524	3207.14	32.9	568.69	129660	108.5570 ng/ml
Clonazolam	5.545	685856	127759.31	37.0	228871.98	129660	104.1898 ng/ml
Cocaine	4.257	1273311	33418.52	55.8	24199.22	1017881	100.1327 ng/ml
Codeine	2.580	148172	1060.87	106.6	911.05	68884	104.9888 ng/ml
Cyclobenzaprine	5.625	1488715	32774.15	7.5	319.38	598608	96.5021 ng/ml
Dextromethorphan	5.269	944426	26759.52	78.7	28079.59	394406	100.3564 ng/ml
Dextrorphan	4.118	608068	1250.77	220.8	2369.38	639699	98.5782 ng/ml
Diazepam	5.938	734592	589.65	88.2	10977.77	260610	103.2312 ng/ml
Dihydrocodeine	2.552	433319	1545.06	56.7	127.26	290039	101.2863 ng/ml
Diphenhydramine	5.297	5196564	35839.97	31.5	1166.21	1940492	98.4299 ng/ml
DMT	2.845	203362	798.15	117.7	1513.07	394406	94.6075 ng/ml
Doxylamine	4.538	4379856	132356.98	97.3	1958.37	1728231	104.1524 ng/ml
Duloxetine	5.651	132807	3198.87	14.8	1263.73	63165	102.4467 ng/ml
EDDP	5.262	980310	621.73	42.4	8801.19	462399	96.8350 ng/ml
Etizolam	5.804	293431	1354.22	28.3	4046.06	129660	94.7940 ng/ml
Fentanyl	5.101	162080	8813.28	69.6	6428.39	739245	10.5067 ng/ml
Flualprazolam	5.695	413199	4350.78	98.0	6466.59	260085	107.6888 ng/ml
Fluorofentanyl	5.156	398535	545.62	41.3	11626.83	6967	9.3636 ng/ml
Fluoxetine	5.711	1394076	445.64	7.5	227.77	465636	99.3901 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.013	687572	398.88	33.3	484.52	373215	103.8202 ng/ml
Hydromorphone	1.609	512260	2757.53	73.5	2495585.77	153327	101.7096 ng/ml
Hydroxyzine	5.708	1742922	13992.63	76.5	9051.01	394406	92.3950 ng/ml
Ketamine	4.043	1347635	47541.52	40.0	1230.95	427971	106.0942 ng/ml
Lamotrigine	4.281	110978	6784.15	89.8	13836.60	1366947	103.5294 ng/ml
Lorazepam	5.737	586493	21107.59	50.5	1893.43	467283	99.0105 ng/ml
MDA	3.191	1973208	4103.31	33.7	1123.95	575709	101.9188 ng/ml
MDMA	3.285	1239227	10521.91	103.7	2920.83	150368	102.6281 ng/ml
Meprobamate	4.895	694301	39100.76	28.4	616.29	384793	95.0972 ng/ml
Methadone	5.656	3212696	43621.14	46.8	846.45	1082343	99.7991 ng/ml
Methamphetamine	3.212	2982422	54623.93	32.0	973.71	1096946	106.6527 ng/ml
Metoprolol	4.320	388418	343151.39	101.3	807.50	1469851	104.3007 ng/ml
Mirtazapine	4.627	2729171	8848.58	49.9	8371.91	684786	100.8077 ng/ml
Mitragynine	5.236	488012	59347.51	36.8	827.12	1082343	101.4088 ng/ml
Morphine	1.253	89152	932.28	17.1	258.78	10891	104.7581 ng/ml
Norbuprenorphine	4.997	7695	7806.42	102.9	11863.18	29461	10.3165 ng/ml
Nordiazepam	5.884	641714	4110.96	62.4	562.03	183754	100.3411 ng/ml
Norfentanyl	4.078	287413	662.50	37.9	944.70	960365	10.1482 ng/ml
Norhydrocodone	3.067	116481	217.74	40.2	349.05	103988	97.0467 ng/ml
Noroxycodone	2.911	702415	1725.33	44.1	835.72	242380	98.5532 ng/ml
O-desmethyl-tramadol	3.366	3194355	76587.78	5.8	6336.87	1727851	98.9904 ng/ml
o-desmethylvenlafaxine	4.063	4679312	78006.27	17.7	4823.18	319856	96.4881 ng/ml
Olanzapine	4.468	546209	2684.15	56.1	1843.33	127982	103.7746 ng/ml
Oxazepam	5.740	923532	7332.36	73.9	928.38	467283	105.8549 ng/ml
Oxycodone	2.828	1365321	9615.12	28.6	2424.38	541099	105.1413 ng/ml
Oxymorphone	1.405	746086	∞	43.2	∞	235065	103.1658 ng/ml
Phentermine	3.774	758789	1773.11	6.2	2073.90	845229	101.2103 ng/ml
Promethazine	5.541	2437875	113962.27	30.6	1310.85	954189	98.7336 ng/ml
Pseudoephedrine	2.576	3705552	68070.28	16.9	88528.34	1366947	98.2399 ng/ml
Quetiapine	5.558	2094683	155937.57	60.5	31213.37	279728	106.9452 ng/ml
Sertraline	5.773	500118	1480.30	99.0	569932.22	202417	98.1917 ng/ml
Temazepam	5.807	1733649	5641.44	27.6	2669.38	869461	101.5379 ng/ml
Tramadol	4.239	2943688	1517.48	3.7	224.78	1469851	102.3231 ng/ml
Trazodone	5.155	2146766	500.53	68.2	417.06	733470	98.0591 ng/ml
Venlafaxine	5.042	3023644	1131.28	34.8	12624.79	1598476	95.7508 ng/ml
Zolpidem	4.919	3076198	7292.79	28.9	5058.77	1408507	102.3768 ng/ml

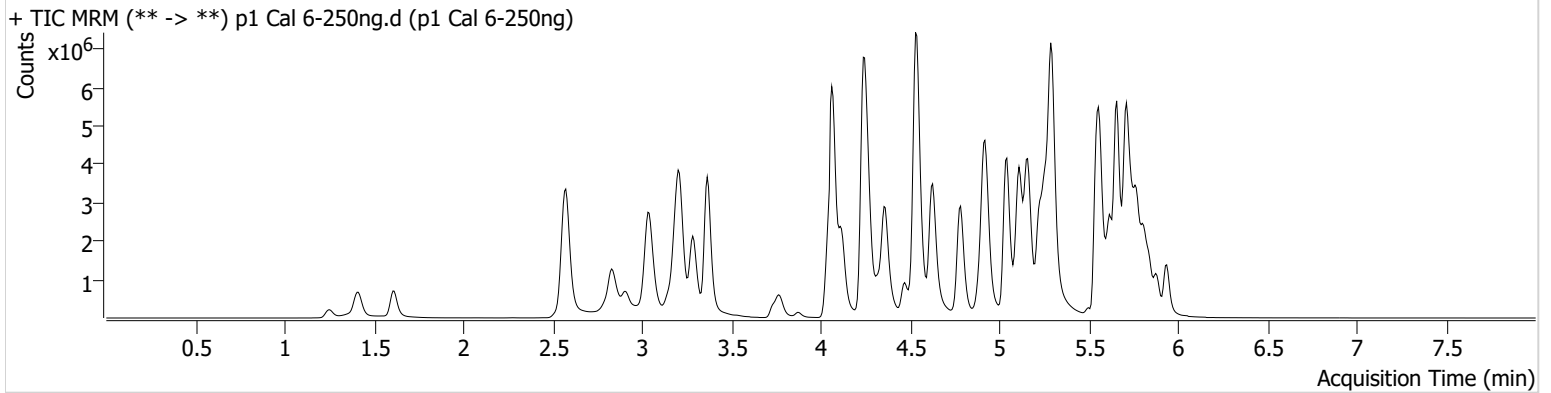
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 6-250ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 6-250ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-C12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/15/2023 4:29:43 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	81716	585.59	71.6	206929.34	87063	24.8667 ng/ml
7-aminoclonazepam	4.258	618699	63828.73	86.5	7614.26	117052	240.8935 ng/ml
a-hydroxyalprazolam	5.682	332431	257.97	65.4	221.88	513841	250.7912 ng/ml
alpha-PHP	4.935	1062400	56901.07	257.1	6175.37	644682	252.7052 ng/ml
alpha-PVP	4.363	4483117	∞	52.5	2467.54	644682	252.8583 ng/ml
Alprazolam	5.759	1979387	1142.25	112.4	2565.71	199845	253.9886 ng/ml
Amphetamine	3.043	5783424	4487.94	39.8	73145.91	379889	202.9343 ng/ml
Benzoylecgonine	3.871	137351	505.54	8.3	321.56	18149	249.8523 ng/ml
Buprenorphine	5.837	114220	43100.90	15.0	22211.45	128230	25.1284 ng/ml
Bupropion	4.785	4804622	101836.07	62.0	33250.26	599807	258.1568 ng/ml
Carisoprodol	5.721	1042490	248.02	63.0	220.71	167335	245.4353 ng/ml
Chlordiazepoxide	5.842	602809	26244.67	177.7	9136.28	462084	262.8404 ng/ml
Chlorpheniramine	5.111	8290729	27316.60	0.3	318.80	1335456	252.8634 ng/ml
Citalopram	5.225	3960766	114239.03	37.2	100734.89	541348	250.8964 ng/ml
Clonazepam	5.601	1705642	145177.16	33.1	37683.13	98829	253.7864 ng/ml
Clonazolam	5.545	1033318	40128.84	37.4	1437.35	98829	207.1805 ng/ml
Cocaine	4.264	2766065	1994.19	55.5	1219.56	871958	253.8370 ng/ml
Codeine	2.580	270908	82.45	104.6	9718.94	59721	223.0764 ng/ml
Cyclobenzaprine	5.625	3344363	401050.81	7.4	324.40	511762	252.9104 ng/ml
Dextromethorphan	5.269	1954082	∞	77.5	∞	316907	258.3363 ng/ml
Dextrorphan	4.118	1378021	717.75	220.0	1648.36	567330	251.5415 ng/ml
Diazepam	5.938	1490371	∞	88.6	3361.24	218550	249.8433 ng/ml
Dihydrocodeine	2.545	944245	165.80	57.6	222.94	292351	219.9540 ng/ml
Diphenhydramine	5.297	11595167	181901.02	30.1	31534.75	1627773	261.3250 ng/ml
DMT	2.845	454326	2061.03	129.7	26637.52	316907	261.2362 ng/ml
Doxylamine	4.531	10903796	137260.33	95.3	29839.54	1681715	266.2608 ng/ml
Duloxetine	5.651	248706	4412.39	14.6	64655.88	49157	246.7278 ng/ml
EDDP	5.262	2861972	38101.44	41.7	360.26	526645	247.8298 ng/ml
Etizolam	5.804	620840	5141.85	27.4	4298.83	98829	262.8184 ng/ml
Fentanyl	5.101	361967	396.23	68.9	6596.09	721130	24.1567 ng/ml
Flualprazolam	5.688	690309	5334.70	102.3	32479.70	199845	235.9574 ng/ml
Fluorofentanyl	5.156	938239	11431.07	41.9	3277.13	6201	24.6211 ng/ml
Fluoxetine	5.711	2457163	437.34	7.4	475086.32	335429	242.5567 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.013	1548374	∞	33.3	914.71	362963	241.8783 ng/ml
Hydromorphone	1.615	1246018	11377.21	73.2	9914485.80	150875	251.5416 ng/ml
Hydroxyzine	5.708	3862941	165704.58	78.0	120211.31	316907	253.5829 ng/ml
Ketamine	4.043	2914675	66252.16	40.1	21982.42	405591	243.1837 ng/ml
Lamotrigine	4.281	222199	2422.76	88.1	56164.64	1109968	255.5583 ng/ml
Lorazepam	5.737	685895	25601.94	50.8	644.53	239662	227.6347 ng/ml
MDA	3.184	3263932	5985.62	32.8	1619.87	477695	204.3279 ng/ml
MDMA	3.285	2753584	8341.93	105.3	33552.50	135076	254.1098 ng/ml
Meprobamate	4.895	1150330	∞	28.9	5429.65	337440	180.2762 ng/ml
Methadone	5.656	7602161	149780.80	44.8	1561.76	975084	261.5668 ng/ml
Methamphetamine	3.212	6754914	1466.40	30.9	4586.56	1118438	238.3388 ng/ml
Metoprolol	4.320	833599	11510.76	100.8	39474.11	1338415	246.4587 ng/ml
Mirtazapine	4.627	6390135	132628.62	48.6	12839.66	644682	250.0391 ng/ml
Mitragynine	5.236	1147101	52350.39	37.0	704965.37	975084	263.8673 ng/ml
Morphine	1.253	214375	348.53	17.3	214.22	11007	249.8334 ng/ml
Norbuprenorphine	4.990	18463	6143.06	96.5	27472.05	29546	25.5520 ng/ml
Nordiazepam	5.884	1207222	1234.28	63.2	2669.82	137789	251.6810 ng/ml
Norfentanyl	4.085	591751	27574.33	37.4	1588.64	704176	28.3686 ng/ml
Norhydrocodone	3.067	263093	∞	39.9	158.71	89957	251.3994 ng/ml
Noroxycodone	2.911	1350670	1359.66	44.1	8853.26	189650	242.4645 ng/ml
O-desmethyl-tramadol	3.366	7726768	667287.37	5.7	18732.89	1612538	256.0694 ng/ml
o-desmethylvenlafaxine	4.063	10452892	123458.48	17.5	10341.89	269443	254.6889 ng/ml
Olanzapine	4.468	1555475	2924.45	58.0	3218.51	149242	253.3670 ng/ml
Oxazepam	5.740	1120323	110.01	78.2	238.00	239662	251.0554 ng/ml
Oxycodone	2.828	2973898	18733.48	28.2	12370.13	523583	237.7856 ng/ml
Oxymorphone	1.411	1639387	∞	43.2	∞	208920	255.5196 ng/ml
Phentermine	3.774	1587109	∞	6.0	3309.69	828423	216.8856 ng/ml
Promethazine	5.541	6217492	1991.54	30.0	21579.38	946473	253.3404 ng/ml
Pseudoephedrine	2.576	7720763	120827.85	16.6	75748.30	1109968	251.2710 ng/ml
Quetiapine	5.558	4311579	105879.12	60.5	83189.59	243154	254.0832 ng/ml
Sertraline	5.773	1040033	1614.47	99.1	704.04	165070	249.9432 ng/ml
Temazepam	5.807	2567256	36532.17	27.4	6050.39	513841	254.3689 ng/ml
Tramadol	4.239	6633855	1989.31	3.5	557.34	1338415	254.3829 ng/ml
Trazodone	5.155	5063821	69583.51	70.6	2276.08	694703	244.3114 ng/ml
Venlafaxine	5.043	7249856	103859.92	33.8	3178.20	1457463	251.3190 ng/ml
Zolpidem	4.912	7203671	117394.18	27.5	7235.19	1363838	248.5153 ng/ml

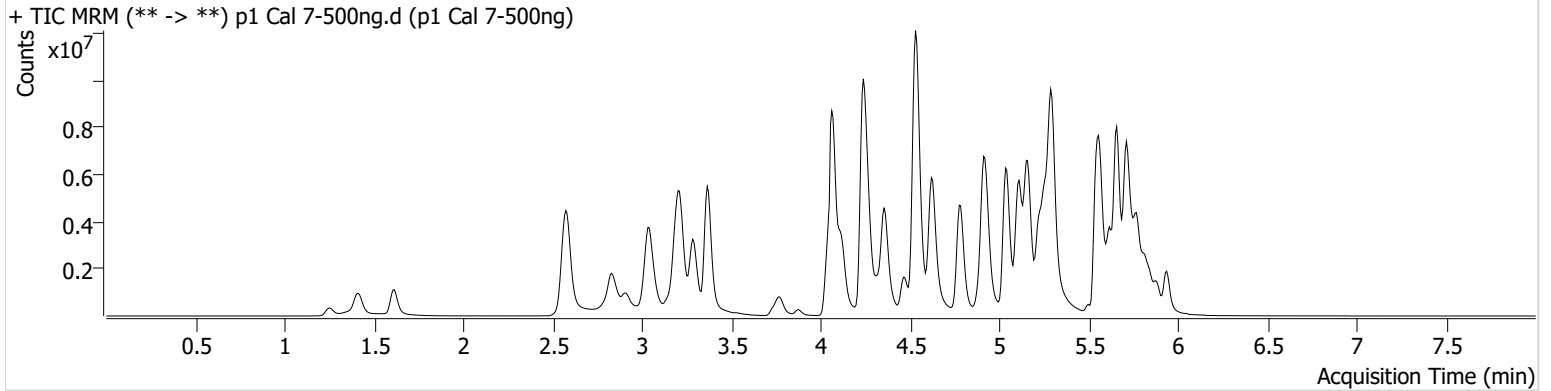
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-B12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/15/2023 4:40:21 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	151819	1538.15	71.8	108690.80	81829	49.1658 ng/ml
7-aminoclonazepam	4.251	695587	14779.46	91.8	4694.87	77884	407.6495 ng/ml
a-hydroxyalprazolam	5.682	346435	358.11	68.3	208.57	283322	474.2023 ng/ml
alpha-PHP	4.935	1667695	4008.10	255.8	76809.60	540519	473.8394 ng/ml
alpha-PVP	4.357	7572895	14837.68	52.7	24428.75	540519	509.1855 ng/ml
Alprazolam	5.759	2828225	514.53	109.9	683.81	142759	507.8592 ng/ml
Amphetamine	3.043	8092348	5405.37	39.9	62351.27	337846	320.2216 ng/ml
Benzoylecgonine	3.877	258936	748.11	8.3	2939.29	17094	500.7565 ng/ml
Buprenorphine	5.837	199099	78558.62	15.2	39483.90	107581	51.9734 ng/ml
Bupropion	4.785	8393529	135490.95	60.9	37489.10	549746	492.2541 ng/ml
Carisoprodol	5.721	1157729	170.16	60.7	162.02	85040	535.6720 ng/ml
Chlordiazepoxide	5.841	758682	3459.92	193.4	7528.69	326832	477.7532 ng/ml
Chlorpheniramine	5.111	14133050	216417.85	0.3	1646.43	1136695	506.4068 ng/ml
Citalopram	5.218	5770571	23199.51	36.6	72945.85	380013	520.5027 ng/ml
Clonazepam	5.601	2118766	3108.55	32.2	3138.45	68554	455.1611 ng/ml
Clonazolam	5.545	1101950	58990.41	38.2	32327.79	68554	319.1942 ng/ml
Cocaine	4.264	4390090	1091.50	55.9	1031.56	688452	510.1984 ng/ml
Codeine	2.580	397827	187.04	104.3	9547.70	47495	413.1913 ng/ml
Cyclobenzaprine	5.625	5169836	1683.35	7.0	1282.55	384406	520.0506 ng/ml
Dextromethorphan	5.269	2829017	37540.57	75.0	25407.74	233094	508.4324 ng/ml
Dextrorphan	4.118	2262009	91041.98	220.6	122755.56	452910	516.9740 ng/ml
Diazepam	5.938	2258423	274.19	86.4	472.70	170327	485.8501 ng/ml
Dihydrocodeine	2.545	1477338	1013.13	58.0	324.11	268942	374.6827 ng/ml
Diphenhydramine	5.297	17590258	143318.84	30.6	62486.41	1234018	522.6365 ng/ml
DMT	2.845	703146	3668.49	138.8	37383.88	233094	548.5586 ng/ml
Doxylamine	4.531	18682159	461433.60	96.6	231701.60	1489473	514.9609 ng/ml
Duloxetine	5.651	294378	2008.42	13.8	22767.71	27790	516.7361 ng/ml
EDDP	5.255	5065104	1163.06	41.4	124931.18	443178	520.9403 ng/ml
Etizolam	5.804	917127	548.17	28.2	5177.97	68554	559.5005 ng/ml
Fentanyl	5.094	577062	∞	65.2	7697.15	598990	46.4380 ng/ml
Flualprazolam	5.688	834777	12483.76	104.1	1241.23	142759	400.5113 ng/ml
Fluorofentanyl	5.156	1497039	53574.44	43.2	14637.89	4543	53.5164 ng/ml
Fluoxetine	5.711	3144104	447.34	7.3	5604.88	201325	516.6127 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.013	2604497	239.41	34.2	∞	321483	460.3658 ng/ml
Hydromorphone	1.615	2136013	5430.73	74.2	5443233.61	129557	502.2478 ng/ml
Hydroxyzine	5.708	5921393	21216.82	76.8	24556.02	233094	527.6907 ng/ml
Ketamine	4.043	4446245	144257.23	39.5	5916.38	352016	428.0556 ng/ml
Lamotrigine	4.281	290235	4917.78	88.2	20088.08	816559	453.9024 ng/ml
Lorazepam	5.737	659069	11412.27	48.9	939.33	117042	449.3013 ng/ml
MDA	3.184	4293103	21781.67	32.0	3757.63	370707	347.1256 ng/ml
MDMA	3.285	4301267	163399.37	104.4	15176.02	111398	481.4560 ng/ml
Meprobamate	4.888	1474149	8338.06	29.0	2601.50	284533	274.3363 ng/ml
Methadone	5.656	11887143	2881.83	46.1	9056.46	779378	511.3705 ng/ml
Methamphetamine	3.212	10875533	21046.76	30.4	69718.51	1042066	412.7009 ng/ml
Metoprolol	4.320	1244225	4878.09	101.6	2875.33	1136126	433.7153 ng/ml
Mirtazapine	4.620	11185588	204840.11	49.0	189181.64	540519	521.5304 ng/ml
Mitragynine	5.230	1712267	3821.73	36.7	400669.53	779378	492.3872 ng/ml
Morphine	1.253	357444	∞	17.3	611.41	9199	498.8963 ng/ml
Norbuprenorphine	4.990	34425	244528.71	98.8	467.51	27741	51.3607 ng/ml
Nordiazepam	5.884	1625473	295.84	64.0	1638.51	92458	504.9918 ng/ml
Norfentanyl	4.085	849971	14613.28	37.9	5728.34	408967	70.0576 ng/ml
Norhydrocodone	3.067	444000	262.29	40.8	∞	70637	538.8867 ng/ml
Noroxycodone	2.911	1924788	∞	44.3	20644.44	134780	486.3764 ng/ml
O-desmethyl-tramadol	3.366	13277801	149564.32	5.5	67306.66	1339064	529.5655 ng/ml
o-desmethylvenlafaxine	4.063	16350790	90899.27	17.2	15890.27	202998	528.0280 ng/ml
Olanzapine	4.468	2898149	9062.29	57.6	42982.47	140463	501.5319 ng/ml
Oxazepam	5.740	1010471	87.93	74.6	133.23	117042	464.0941 ng/ml
Oxycodone	2.822	4780322	44781.83	28.0	636.45	473239	423.5740 ng/ml
Oxymorphone	1.411	2667953	∞	43.0	∞	172853	502.9054 ng/ml
Phentermine	3.774	2366844	∞	6.1	214.08	761299	352.4502 ng/ml
Promethazine	5.541	10269302	1900.36	28.9	178539.31	753280	525.3971 ng/ml
Pseudoephedrine	2.583	11777404	221843.95	16.6	2653.79	816559	520.4664 ng/ml
Quetiapine	5.558	6171055	72473.98	62.3	65217.32	190253	465.2938 ng/ml
Sertraline	5.773	1391202	880.63	100.1	27787.75	110553	498.9163 ng/ml
Temazepam	5.807	2782947	13578.98	28.3	2771.26	283322	500.0550 ng/ml
Tramadol	4.239	10615260	∞	3.4	318.39	1136126	480.2178 ng/ml
Trazodone	5.155	8306265	226917.78	71.3	109599.55	547382	508.6770 ng/ml
Venlafaxine	5.036	12377453	1867.32	32.7	11641.40	1170901	533.7485 ng/ml
Zolpidem	4.912	11702311	22047.09	27.4	10320.64	1214497	453.8898 ng/ml

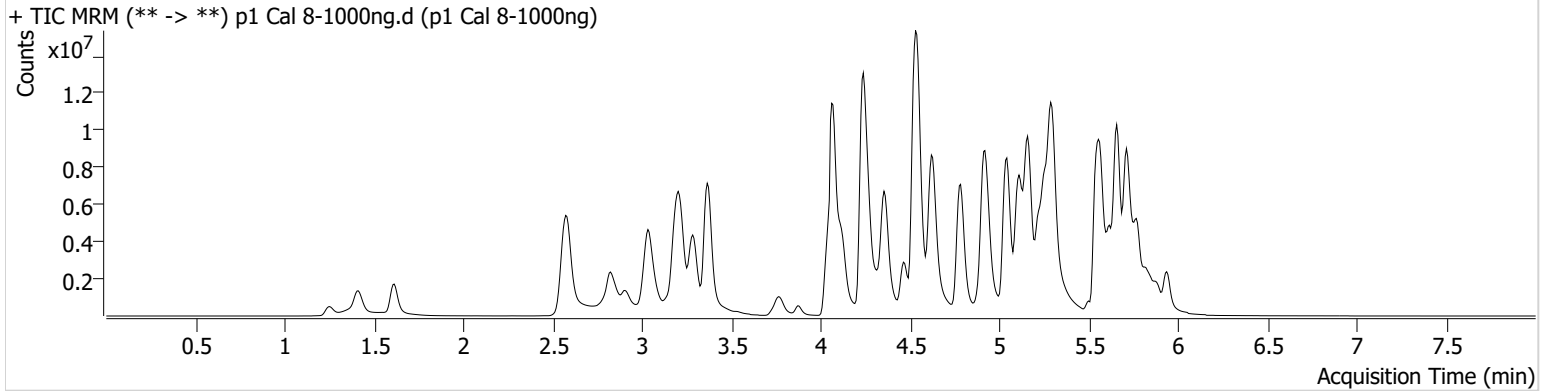
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2023\AM 27 28\041423 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/18/2023 10:31:46 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-A12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/15/2023 4:51:01 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	274930	2852.62	70.4	521.62	72639	100.3111 ng/ml
7-aminoclonazepam	4.258	548037	5551.50	98.0	7658.25	42367	590.8366 ng/ml
a-hydroxyalprazolam	5.682	329227	138.91	64.8	101.10	123377	1035.1267 ng/ml
alpha-PHP	4.935	2364585	1944.11	258.7	28373.81	425376	854.3585 ng/ml
alpha-PVP	4.357	12361341	63160.97	51.0	28383.11	425376	1055.8590 ng/ml
Alprazolam	5.766	3557420	∞	109.2	∞	90305	1009.6827 ng/ml
Amphetamine	3.043	10146858	105749.08	39.8	190851.01	300845	451.5679 ng/ml
Benzoylecgonine	3.871	560330	34443.86	8.1	14616.45	18274	1014.3387 ng/ml
Buprenorphine	5.844	322811	13943.65	15.0	48544.56	82278	109.9368 ng/ml
Bupropion	4.785	13690730	196493.32	59.8	41493.24	470013	939.3188 ng/ml
Carisoprodol	5.721	1050575	115.24	61.6	107.25	37612	1098.4544 ng/ml
Chlordiazepoxide	5.841	813330	5280.45	215.2 <b>High</b>	9742.18	207884	814.0614 ng/ml
Chlorpheniramine	5.111	21476852	11534.89	0.3	276.53	871798	1003.3555 ng/ml
Citalopram	5.218	7431590	191687.49	36.9	255002.29	251315	1013.4008 ng/ml
Clonazepam	5.601	2144398	72622.41	32.3	36044.21	39382	802.5729 ng/ml
Clonazolam	5.538	950070	3836.00	38.7	178258.90	39382	479.6950 ng/ml
Cocaine	4.264	6132597	516.69	55.5	410.00	494888	991.4098 ng/ml
Codeine	2.580	549877	134.35	101.1	9054.16	34208	794.3364 ng/ml
Cyclobenzaprine	5.625	7106655	1299.72	6.7	250.86	255092	1076.8376 ng/ml
Dextromethorphan	5.269	3509134	54994.30	77.5	30758.15	149732	981.7290 ng/ml
Dextrorphan	4.118	3402028	16157.33	225.2	165477.74	337099	1044.4058 ng/ml
Diazepam	5.938	3204114	238.29	86.5	201.13	120710	972.6954 ng/ml
Dihydrocodeine	2.545	2221655	357.17	58.0	246.40	254138	596.7806 ng/ml
Diphenhydramine	5.297	23152305	147623.32	31.8	23861.63	847476	1001.3751 ng/ml
DMT	2.845	1016188	63749.43	145.9 <b>High</b>	28010.61	149732	1232.8782 ng/ml
Doxylamine	4.531	28024273	157714.30	97.1	76165.79	1309985	878.2191 ng/ml
Duloxetine	5.644	267539	1511.39	15.8	360.05	14839	879.6372 ng/ml
EDDP	5.262	9201810	206974.45	41.1	77805.25	399280	1050.1910 ng/ml
Etizolam	5.804	1250366	1958.25	28.3	87232.33	39382	1327.6086 ng/ml
Fentanyl	5.094	782239	96249.39	68.6	79126.25	489481	77.0853 ng/ml
Flualprazolam	5.688	941690	12492.95	103.5	25643.20	90305	715.4520 ng/ml
Fluorofentanyl	5.162	2225632	43900.51	43.4	9509.58	3379	106.8807 ng/ml
Fluoxetine	5.718	3686636	460.04	7.1	273.99	114208	1067.3665 ng/ml



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.013	4262461	∞	34.4	903.32	275427	880.4320 ng/ml
Hydromorphone	1.615	3592757	4410109.50	74.0	14266579.14	110726	988.5212 ng/ml
Hydroxyzine	5.708	8333364	101207.90	76.9	512851.19	149732	1155.2280 ng/ml
Ketamine	4.036	6199629	126944.16	38.7	11821.54	283485	741.7530 ng/ml
Lamotrigine	4.287	336456	1670.37	87.4	12336.56	554749	774.6556 ng/ml
Lorazepam	5.737	612153	26989.43	49.4	682.29	47969	1020.0756 ng/ml
MDA	3.178	5149418	9403.42	30.9	5911.12	256571	602.4331 ng/ml
MDMA	3.285	6227807	76863.90	105.7	185425.32	81104	957.6564 ng/ml
Meprobamate	4.888	1619043	2284.66	28.9	10561.43	218260	393.0836 ng/ml
Methadone	5.656	17011319	74387.78	48.5	3961.89	573245	994.6299 ng/ml
Methamphetamine	3.212	15959123	286361.14	28.7	10490.73	989173	638.6300 ng/ml
Metoprolol	4.320	1631934	81590.04	101.2	7278.36	930448	694.8929 ng/ml
Mirtazapine	4.627	17518939	219927.73	48.3	156581.18	425376	1037.4748 ng/ml
Mitragynine	5.230	2111036	535325.07	38.2	4726.46	573245	825.0492 ng/ml
Morphine	1.253	566455	∞	17.2	427.63	8170	890.5561 ng/ml
Norbuprenorphine	4.997	57524	200518.77	99.9	300.38	24480	97.8134 ng/ml
Nordiazepam	5.884	1959990	22115.41	62.3	1058.14	57644	976.6345 ng/ml
Norfentanyl	4.085	1075870	16766.63	37.0	7604.50	208270	174.0252 ng/ml
Norhydrocodone	3.060	728148	54.82	42.3	140.56	55751	1118.3969 ng/ml
Noroxycodone	2.904	2614754	5849.87	43.5	519.01	79485	1120.6045 ng/ml
O-desmethyl-tramadol	3.366	20237031	∞	5.7	75937.71	1060737	1018.6160 ng/ml
o-desmethylvenlafaxine	4.069	23237965	224622.06	17.1	46077.12	139259	1093.1554 ng/ml
Olanzapine	4.461	4958431	5872.46	58.6	3501.58	131308	917.8629 ng/ml
Oxazepam	5.740	846892	91.17	73.9	106.02	47969	949.5728 ng/ml
Oxycodone	2.815	7188036	∞	27.5	∞	397945	758.1228 ng/ml
Oxymorphone	1.411	4350727	∞	42.8	910.66	148520	954.7548 ng/ml
Phentermine	3.767	3620228	∞	5.7	3844.23	685106	599.6009 ng/ml
Promethazine	5.541	15360444	128655.53	29.3	54673.98	577681	1024.4384 ng/ml
Pseudoephedrine	2.583	16669659	100065.77	16.2	2247.08	554749	1083.7710 ng/ml
Quetiapine	5.564	8600038	166216.73	60.6	53213.65	137406	898.4002 ng/ml
Sertraline	5.773	1750019	12213.93	94.8	167667.83	63458	1093.0044 ng/ml
Temazepam	5.814	2386805	27180.17	26.0	22036.10	123377	984.8248 ng/ml
Tramadol	4.232	15357871	267.35	3.2	446.94	930448	848.9403 ng/ml
Trazodone	5.155	12398348	73947.78	71.9	75098.72	390774	1063.6431 ng/ml
Venlafaxine	5.043	18671548	59255.94	32.8	2707.57	889480	1059.6221 ng/ml
Zolpidem	4.912	17499429	380604.43	27.5	826.76	1088095	758.0223 ng/ml