

**REVIEWED**  
By Sarah Collins at 8:13 am, Aug 23, 2023

8/22/2023

CS

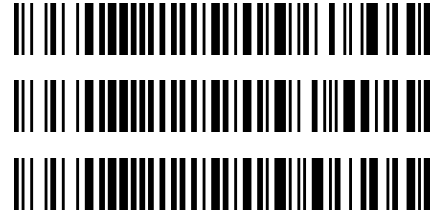
**Worklist: 6476**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-2907	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3055	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2133	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2141	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2142	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2144	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2145	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2169	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2170	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2248	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2250	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2257	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2258	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2260	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2262	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2263	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2264	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2284	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2313	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2313	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2328	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 6476**

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-2337	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-2382	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-2405	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 08/15/2023

Analyst: Celena Shrum

Plate lot#: 230707

Plate Retest Date: 01/07/2024

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

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

**Blank Blood Lot:** Lampire 23A52594

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

**LCMS-QQQ ID:** 069901

### Pre-Analytic:

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

### 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: Fluoxetine and sertraline not evaluated due to response in negative control.

M2023-2717-2, P2023-1718-1, P2023-2004-1, P2023-2079-1, and P2023-2121-1 were also included in the run.

**Curve Limits:**

Alpha-PHP 5-50 (Cals 5, 6, 7, and 8 removed due to Cal 5 accuracy)  
Amphetamine 5-500 (Cal 8 removed due to accuracy)  
Buprenorphine 2.5-100 (Cals 1 and 2 removed due to peak shape and/or ratio)  
Codeine 5-1000- Qualitative only due to QC 100 accuracy  
Duloxetine 25-1000 (Cals 1 and 2 removed due to ratio and QC 10 ratio)  
Fentanyl 2.5-100 (Cals 1 and 2 removed due to QC 10 ratio)  
Lamotrigine 5-500 (Cal 8 removed due to accuracy)  
MDA 5-500 (Cal 8 removed due to accuracy)  
Meprobamate 5-500 (Cal 8 removed due to accuracy)  
Metoprolol 5-500 (Cal 8 removed due to accuracy)  
Mirtazapine 5-50 (Cals 5, 6, 7, and 8 removed due to accuracy)  
Morphine 5-1000- Qualitative due to QC 100 accuracy  
Norbuprenorphine 10-100 (Cals 1, 2, 3, and 4 removed due to accuracy)  
Norhydrocodone 5-500 (Cal 8 removed due to accuracy)



	1	2	3	4	5	6	7	8	9	10	11	12
A								P2023-2133-1	P2023-2250-2	P2023-2313-1	P2023-2079-1	IS + Cal. 8
B								P2023-2141-1	P2023-2257-1	P2023-2313-2	P2023-2121-1	IS + Cal. 7
C								P2023-2142-1	P2023-2258-1	P2023-2328-1	Neg Ctrl	IS + Cal. 6
D								P2023-2144-1	P2023-2260-1	P2023-2337-1	IS + QC_2	IS + Cal. 5
E								P2023-2145-1	P2023-2262-1	P2023-2382-1	IS + QC_4	IS + Cal. 4
F								P2023-2169-1	P2023-2263-1	P2023-2405-1	IS + QC_3	IS + Cal. 3
G							M2023-2907-3	P2023-2170-1	P2023-2264-1	P2023-1718-1	IS + QC_2	IS + Cal. 2
H							M2023-3055-2	P2023-2248-1	P2023-2284-1	P2023-2004-1	IS + QC_1	IS + Cal. 1



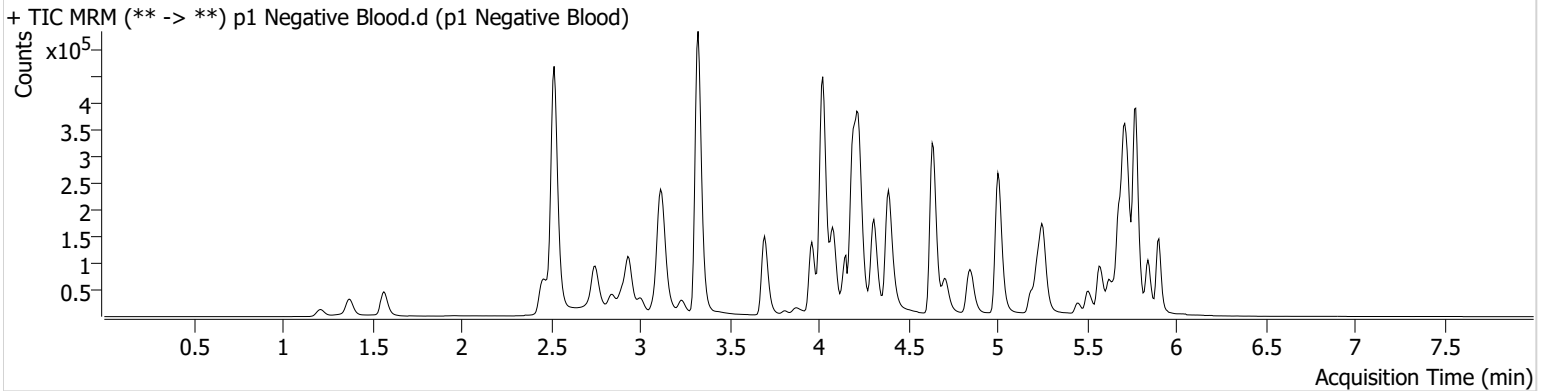
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Calibration Last Update** 8/22/2023 9:00:38 AM

**Instrument** Falco (069901) **Data File** p1 Negative Blood.d  
**Type** Sample **Sample** p1 Negative Blood  
**Acq. Method** AM 28 MDQ P1 Updated 081023.m **Operator** Celena Shrum  
**Sample Position** P2-C11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/16/2023 11:53:27 AM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluoxetine	5.678	9276	373.53	8.0	516.32	54223	5.8603 ng/ml
Sertraline	5.740	4687	37.85	107.5	139.19	29989	7.3268 ng/ml

Fluoxetine and sertraline not evaluated for this batch due to response in negative control.



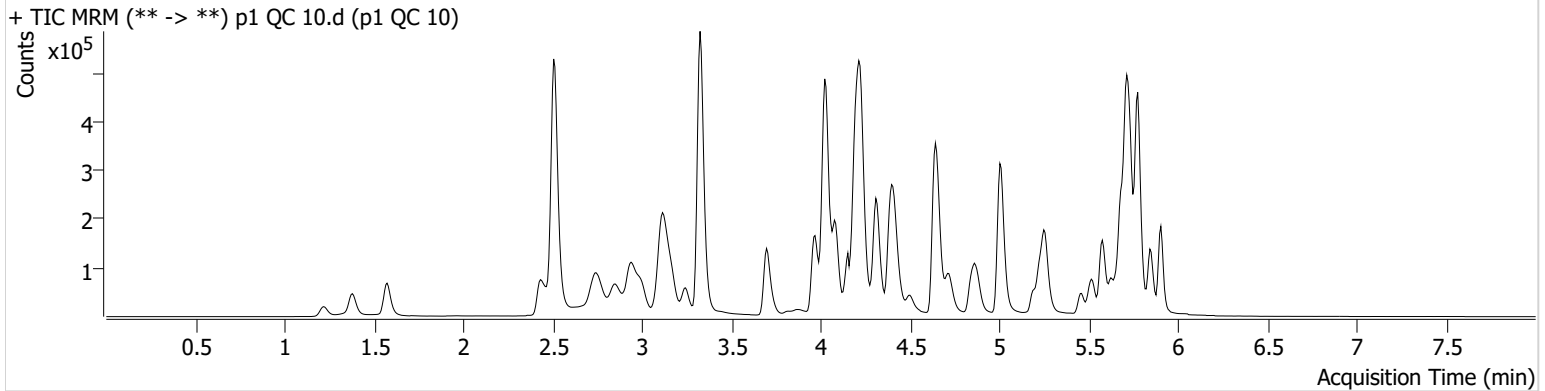
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Batch results D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
Calibration Last Update 8/22/2023 9:00:38 AM

**Instrument** Falco (069901) **Data File** p1 QC 10.d  
**Type** QC **Sample** p1 QC 10  
**Acq. Method** AM 28 MDQ P1 Updated 081023.m **Operator** Celena Shrum  
**Sample Position** P2-H11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/16/2023 10:49:40 AM  
**Sample Info.**

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	1702	20.83	89.2	1625.53	52919	0.9301 ng/ml
7-aminoclonazepam	4.164	45629	162.76	84.2	252.23	171587	10.4751 ng/ml
a-hydroxyalprazolam	5.662	21023	250.31	76.0	505.02	83493	10.4640 ng/ml
alpha-PHP	4.882	16947	567.73	285.5	538.28	435887	9.8113 ng/ml
alpha-PVP	4.317	113283	1662.54	43.0	470.14	435887	9.8953 ng/ml
Alprazolam	5.733	73606	263.50	121.6	403.49	304159	9.6925 ng/ml
Amphetamine	2.982	147985	1943.61	46.1	2866.55	140210	9.9108 ng/ml
Benzoylcegonine	3.845	5401	225.19	8.0	59.73	15561	10.2939 ng/ml
Buprenorphine	5.545	483	214.55	5.6 Low	9.95 Low	12164	1.4069 ng/ml
Bupropion	4.725	49163	1741.32	68.7	1109.86	138317	10.3088 ng/ml
Carisoprodol	5.688	71713	123249.56	52.4	124.37	317708	10.5347 ng/ml
Citalopram	5.193	20764	441.59	34.7	591.05	97003	9.8719 ng/ml
Clonazepam	5.575	115797	331.49	32.5	35994.24	129259	10.3686 ng/ml
Clonazolam	5.518	60421	69122.89	25.9	20633.02	129259	10.2355 ng/ml
Cocaine	4.225	87532	379.26	53.0	2058.56	700983	10.2604 ng/ml
Codeine	2.465	11394	1475.13	119.6	193.56	62899	10.7187 ng/ml
Cyclobenzaprine	5.592	9725	13747.99	10.0	1213.79	39682	10.7225 ng/ml
Dextromethorphan	5.236	9817	70.95	87.6	482.76	40279	10.7742 ng/ml
Dextrorphan	4.085	23975	27759.59	212.5	2239.71	320991	10.2105 ng/ml
Diazepam	5.905	51390	248.04	85.4	426.47	248149	11.0682 ng/ml
Dihydrocodeine	2.451	34489	1723.48	54.5	1224.90	181132	10.6737 ng/ml
Diphenhydramine	5.257	53049	226.82	25.2	209.34	283815	10.3570 ng/ml
Doxylamine	4.417	150370	483.87	102.5	334.37	663379	9.8705 ng/ml
Duloxetine	5.625	1543	85.39	18.6 High	199.86	7041	12.1026 ng/ml
EDDP	5.229	26757	1157.10	44.4	61.96	156092	10.2629 ng/ml
Etizolam	5.778	35811	52803.99	27.7	7869.76	129259	10.3827 ng/ml
Fentanyl	5.028	699	78.44	111.3 High	331.47	44503	1.3424 ng/ml
Fluorofentanyl	5.075	2981	49.81	42.1	116.03	523	1.1366 ng/ml
Fluoxetine	5.678	14796	17828.87	7.2	1765.97	44370	11.8127 ng/ml
Hydrocodone	2.959	44095	272.48	26.4	106.89	245264	10.1528 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	45276	2152.94	71.6	202131.30	134350	9.9693 ng/ml
Hydroxyzine	5.661	10363	125.99	68.6	5992.84	40279	10.9234 ng/ml
Ketamine	3.976	90498	1298.34	39.6	452.88	330792	10.2666 ng/ml
Lamotrigine	4.221	7339	180.03	82.6	261.83	1185300	10.8975 ng/ml
Lorazepam	5.711	96242	2013.11	48.7	57.54	540724	11.3552 ng/ml
MDA	3.151	80696	988.49	26.4	151.27	188633	10.5098 ng/ml
MDMA	3.252	52136	865.59	78.6	519.41	54833	9.8681 ng/ml
Meprobamate	4.869	30201	11162.62	26.3	96.76	132518	10.7029 ng/ml
Methadone	5.630	28444	185.27	40.4	330.29	88085	10.3117 ng/ml
Methamphetamine	3.172	91780	1112.78	41.8	309.07	510992	10.4057 ng/ml
Metoprolol	4.287	16925	4629.19	99.2	618.39	783638	10.0068 ng/ml
Mirtazapine	4.499	52600	497.86	51.7	446.77	435887	8.8916 ng/ml
Mitragynine	5.156	3332	3431.44	34.4	776.11	88085	9.8639 ng/ml
Morphine	1.227	8228	366.50	35.5	385.78	21151	10.4322 ng/ml
Nordiazepam	5.851	53420	10404.70	64.0	2716.56	181819	10.7619 ng/ml
Norfentanyl	4.044	17516	152.73	35.0	52.19	687093	0.9738 ng/ml
Norhydrocodone	3.027	4667	65.86	31.1	41.75	59351	8.7874 ng/ml
Noroxycodone	2.856	39519	123.89	47.7	219.14	108552	9.3460 ng/ml
O-desmethyl-tramadol	3.332	220474	∞	5.0	300.97	1291262	9.9807 ng/ml
o-desmethylvenlafaxine	4.030	179167	8393.31	26.5	508.77	272347	9.6782 ng/ml
Olanzapine	3.952	5284	122.06	50.3	52.98	9356	11.5207 ng/ml
Oxazepam	5.713	93235	310.45	79.8	80.79	540724	10.6641 ng/ml
Oxycodone	2.768	84012	909.27	30.1	610.75	327133	9.1945 ng/ml
Oxymorphone	1.378	35073	201.38	44.9	262.14	104670	9.6923 ng/ml
Phentermine	3.734	22024	277.67	5.6	54.95	368604	9.9417 ng/ml
Promethazine	5.508	19987	93.87	28.6	88.12	83862	10.8689 ng/ml
Pseudoephedrine	2.515	227731	5745.35	15.0	898.87	1185300	9.8851 ng/ml
Quetiapine	5.456	42751	223.25	50.3	69345.55	44974	11.1773 ng/ml
Sertraline	5.747	6809	129.11	108.0	570.76	26298	12.2967 ng/ml
Temazepam	5.781	141373	404.67	30.3	485.38	737002	10.3173 ng/ml
Tramadol	4.207	172667	2158.68	2.9	148.57	783638	10.7109 ng/ml
Trazodone	4.870	43720	525.73	46.8	28305.02	104547	11.3947 ng/ml
Venlafaxine	5.003	110486	981.86	37.4	413.81	640990	10.2467 ng/ml
Zolpidem	4.654	190501	2329.68	30.1	663.77	818184	10.2055 ng/ml



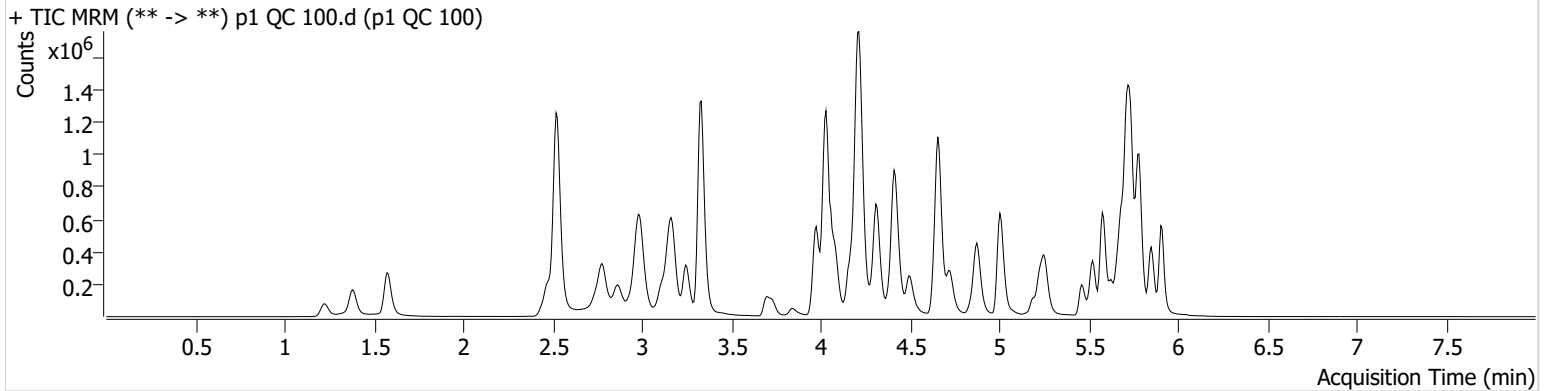
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Calibration Last Update** 8/22/2023 9:00:38 AM

**Instrument** Falco (069901) **Data File** p1 QC 100.d  
**Type** QC **Sample** p1 QC 100  
**Acq. Method** AM 28 MDQ P1 Updated 081023.m **Operator** Celena Shrum  
**Sample Position** P2-G11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/16/2023 10:09:41 PM  
**Sample Info.**

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	17639	1591.56	74.1	31238.44	50413	9.9421 ng/ml
7-aminoclonazepam	4.164	417717	16426.87	79.5	176249.54	168136	103.2961 ng/ml
a-hydroxyalprazolam	5.662	177819	1600.75	78.9	626.62	69884	103.1984 ng/ml
alpha-PHP	4.882	120546	1176.73	274.4	20955.30	349284	87.6143 ng/ml
alpha-PVP	4.317	903103	899.08	44.2	972.12	349284	96.7426 ng/ml
Alprazolam	5.740	700648	1725.59	113.2	1512.56	241142	106.1780 ng/ml
Amphetamine	2.989	1240150	1353.24	45.7	1240.04	117986	107.8010 ng/ml
Benzoylcegonine	3.838	56834	462.23	7.8	253.44	14855	115.7807 ng/ml
Buprenorphine	5.545	2783	160.07	13.2	432.54	9937	9.9881 ng/ml
Bupropion	4.725	343594	∞	68.7	1000.14	98362	100.3902 ng/ml
Carisoprodol	5.688	574270	641.26	52.8	1355.95	265980	101.7810 ng/ml
Citalopram	5.186	150043	533.14	34.4	31059.62	69833	97.3912 ng/ml
Clonazepam	5.575	962849	84664.29	34.4	437091.68	109487	105.9161 ng/ml
Clonazolam	5.518	524425	708879.10	25.9	99950.87	109487	107.8560 ng/ml
Cocaine	4.225	753437	35754.91	54.4	25233.84	604941	101.1927 ng/ml
Codeine	2.485	111482	139.89	110.5	1705.44	56596	122.4825 ng/ml
Cyclobenzaprine	5.592	52336	399.15	9.2	283.12	25238	89.1080 ng/ml
Dextromethorphan	5.229	74278	343.48	89.8	2675.41	33969	98.0966 ng/ml
Dextrorphan	4.085	170123	694.81	219.3	1263.40	239546	96.3161 ng/ml
Diazepam	5.911	465863	2258.46	88.3	2961.15	229748	109.2497 ng/ml
Dihydrocodeine	2.471	317048	929.87	60.2	409.75	173149	107.0888 ng/ml
Diphenhydramine	5.257	379970	17648.10	25.5	3927.62	209977	100.7196 ng/ml
Doxylamine	4.410	1190452	1027979.89	99.7	921809.44	517235	95.6161 ng/ml
Duloxetine	5.625	7091	326.92	11.8	7.41	4388	91.9094 ng/ml
EDDP	5.229	241594	301.63	45.5	183.36	143409	100.3820 ng/ml
Etizolam	5.778	345231	5268.26	27.7	92172.63	109487	117.0729 ng/ml
Fentanyl	5.028	5421	∞	83.9	4914.40	36132	9.1876 ng/ml
Fluorofentanyl	5.075	18684	385.78	45.8	1120.29	381	9.6893 ng/ml
Fluoxetine	5.678	61680	362.90	7.8	4329.06	25079	89.7321 ng/ml
Hydrocodone	2.959	376017	∞	29.1	193.06	229609	98.5023 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	428911	1938109.08	72.6	16689.94	127053	98.7072 ng/ml
Hydroxyzine	5.661	74497	1369.42	71.2	2719.20	33969	102.1904 ng/ml
Ketamine	3.976	836623	82329.16	39.3	544.00	314436	105.6697 ng/ml
Lamotrigine	4.214	63337	3671.36	86.8	1828.18	1026491	112.0837 ng/ml
Lorazepam	5.711	594611	18390.37	50.1	1164.47	397253	106.2556 ng/ml
MDA	3.151	641925	5992.79	26.4	1260.72	148403	110.0710 ng/ml
MDMA	3.245	440357	553575.11	75.3	1571.72	43654	103.3869 ng/ml
Meprobamate	4.862	247446	42668.26	26.1	229.99	114277	109.4866 ng/ml
Methadone	5.630	201002	796.07	42.8	273.95	71919	89.5652 ng/ml
Methamphetamine	3.172	736678	492.61	42.4	1504.43	449707	100.1366 ng/ml
Metoprolol	4.287	130347	170448.95	103.8	4695.44	675905	89.8000 ng/ml
Mirtazapine	4.499	389474	1050.65	51.8	428.85	349284	81.9574 ng/ml
Mitragynine	5.156	23308	251.63	32.2	1394.56	71919	83.1982 ng/ml
Morphine	1.227	73932	867.27	29.3	290.11	16538	121.7969 ng/ml
Norbuprenorphine	4.958	322	85.22	91.4	153.78	1641	10.7480 ng/ml
Nordiazepam	5.851	443987	1022.82	66.3	1783.20	154771	106.4982 ng/ml
Norfentanyl	4.044	163112	213.62	35.3	108.77	612945	9.7977 ng/ml
Norhydrocodone	3.027	36093	270.21	32.8	65.04	42238	79.5969 ng/ml
Noroxycodone	2.863	350550	508.29	50.9	5465.86	93198	103.3653 ng/ml
O-desmethyl-tramadol	3.332	2188498	54392.33	5.4	738.80	1238176	99.4932 ng/ml
o-desmethylvenlafaxine	4.030	1728950	134269.01	26.0	4429.13	245865	97.9622 ng/ml
Olanzapine	3.952	49578	697.11	53.6	469.45	10524	102.5488 ng/ml
Oxazepam	5.713	630880	5524.41	80.0	280.03	397253	101.1343 ng/ml
Oxycodone	2.775	841457	2244.11	29.5	976.31	301944	101.2843 ng/ml
Oxymorphone	1.378	328125	∞	44.5	3923.18	94814	101.2411 ng/ml
Phentermine	3.734	185862	1086.66	5.5	66.77	313399	104.5891 ng/ml
Promethazine	5.508	108006	9257.38	31.5	211.42	50202	95.9918 ng/ml
Pseudoephedrine	2.528	2076977	1126.17	15.2	81185.81	1026491	95.7605 ng/ml
Quetiapine	5.456	288470	3938.10	52.9	264266.07	31600	110.9569 ng/ml
Sertraline	5.747	27526	1889.48	94.9	540.08	12470	106.6439 ng/ml
Temazepam	5.781	973174	1166.40	30.1	423.72	506255	100.7018 ng/ml
Tramadol	4.207	1452050	∞	3.5	169.99	675905	104.8644 ng/ml
Trazodone	4.870	313947	779431.66	52.2	1346.02	84061	114.8778 ng/ml
Venlafaxine	5.003	845165	46793.33	36.1	815.40	490043	99.3236 ng/ml
Zolpidem	4.654	1886215	1381.33	29.1	4247.88	811427	101.8911 ng/ml



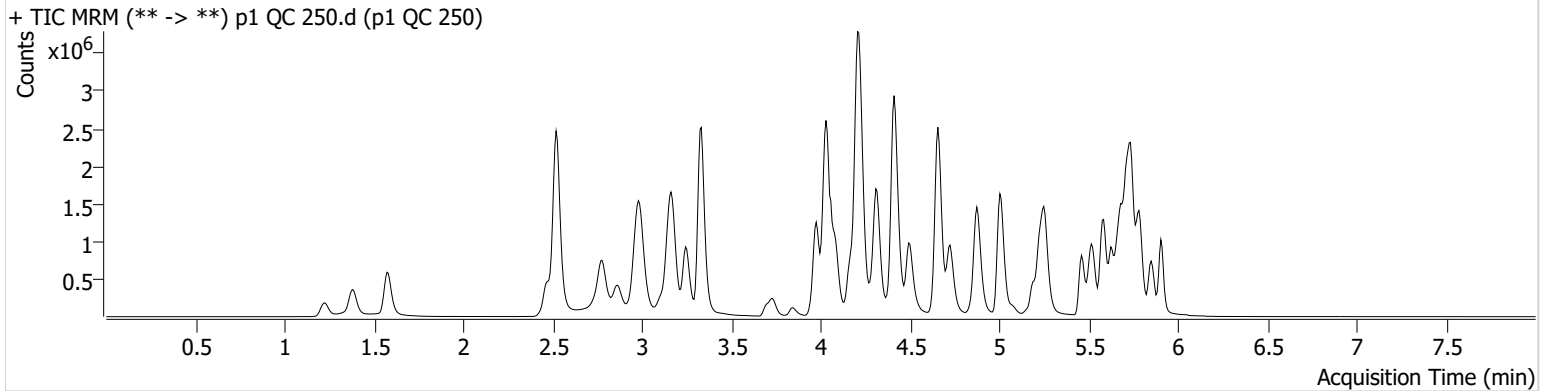
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Calibration Last Update** 8/22/2023 9:00:38 AM

**Instrument** Falco (069901) **Data File** p1 QC 250.d  
**Type** QC **Sample** p1 QC 250  
**Acq. Method** AM 28 MDQ P1 Updated 081023.m **Operator** Celena Shrum  
**Sample Position** P2-F11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/16/2023 11:10:54 AM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	46037	722.37	71.8	694.04	52234	25.0172 ng/ml
7-aminoclonazepam	4.164	982484	751.56	79.3	2786.80	162498	252.3190 ng/ml
a-hydroxyalprazolam	5.656	363997	404.92	81.1	731.38	59797	246.4932 ng/ml
alpha-PHP	4.882	420956	3348.28	271.8	7165.36	383353	278.9088 ng/ml
alpha-PVP	4.317	2547984	49590.55	45.5	3590.17	383353	248.3897 ng/ml
Alprazolam	5.733	1497911	787.61	112.7	1863.77	204810	265.8607 ng/ml
Amphetamine	2.989	3449389	5519.93	45.1	62408.99	145147	245.0125 ng/ml
Benzoylcegonine	3.838	134574	1655.64	7.5	18262.35	15163	268.8845 ng/ml
Buprenorphine	5.538	14386	156.64	13.9	2632.47	19861	25.8518 ng/ml
Bupropion	4.725	1322570	1293.50	69.7	58689.76	155627	244.0851 ng/ml
Carisoprodol	5.688	1140392	714.38	51.1	61726.82	212940	252.6369 ng/ml
Citalopram	5.186	720429	7930.33	35.9	368.31	128697	253.4390 ng/ml
Clonazepam	5.575	1981064	1873059.97	34.1	93380.49	94661	252.6993 ng/ml
Clonazolam	5.518	1052899	1171834.65	27.7	589982.75	94661	250.8846 ng/ml
Cocaine	4.225	1890929	2208724.38	54.2	2054.96	611555	251.0313 ng/ml
Codeine	2.478	241027	7128.88	110.6	204.58	53914	278.7463 ng/ml
Cyclobenzaprine	5.592	418558	477.03	8.4	1348.41	71860	249.8930 ng/ml
Dextromethorphan	5.229	385378	611.25	78.9	5535.51	69098	250.4803 ng/ml
Dextrorphan	4.085	517312	601.10	220.4	1183.73	282173	248.4915 ng/ml
Diazepam	5.905	909686	4947.42	90.6	5179.58	196134	250.0207 ng/ml
Dihydrocodeine	2.464	796900	5618.07	58.7	1415.47	176581	264.6918 ng/ml
Diphenhydramine	5.257	1785032	912.10	26.7	1047.67	394180	252.1289 ng/ml
Doxylamine	4.410	4065804	3850.48	97.9	189534.70	666108	252.7450 ng/ml
Duloxetine	5.618	60021	1258.95	11.4	131.04	14408	237.5752 ng/ml
EDDP	5.229	1068613	804.53	46.3	8334.39	251417	253.1807 ng/ml
Etizolam	5.778	635637	17855.65	28.4	171148.78	94661	249.1943 ng/ml
Fentanyl	5.022	32333	21491.42	82.2	26969.19	77798	24.6984 ng/ml
Fluorofentanyl	5.075	128496	4129.48	44.2	1566.79	961	26.3695 ng/ml
Fluoxetine	5.678	519788	11996.15	7.7	163.69	77825	244.3839 ng/ml
Hydrocodone	2.959	921157	∞	29.2	∞	232799	239.0533 ng/ml



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.575	1062417	4073.67	71.3	270946.79	124475	249.3668 ng/ml
Hydroxyzine	5.654	400153	4211.15	76.4	122764.66	69098	271.8223 ng/ml
Ketamine	3.976	2057276	53179.97	38.8	2224.95	318728	257.2962 ng/ml
Lamotrigine	4.214	132496	4878.73	88.8	2812.05	949051	254.0950 ng/ml
Lorazepam	5.711	815023	77149.80	48.5	9583.12	252018	231.2601 ng/ml
MDA	3.151	1792804	9462.26	24.4	285.01	180002	253.9908 ng/ml
MDMA	3.245	1356390	108735.07	76.9	9382.61	55521	250.1934 ng/ml
Meprobamate	4.862	491088	1008634.03	25.5	3065.72	103358	241.3402 ng/ml
Methadone	5.630	1088937	989.19	40.7	4596.31	139373	250.4585 ng/ml
Methamphetamine	3.172	2187554	638.69	42.0	16097.79	522906	256.7304 ng/ml
Metoprolol	4.287	350465	1662.11	103.6	4886.41	698065	233.8716 ng/ml
Mirtazapine	4.499	1640234	14707.51	49.2	2477.97	383353	314.4106 ng/ml
Mitragynine	5.156	136695	102591.11	31.6	366.63	139373	251.4342 ng/ml
Morphine	1.227	188428	1362.53	33.3	617.36	20238	253.8671 ng/ml
Norbuprenorphine	4.958	1363	1279.72	106.9	368.79	2985	25.3697 ng/ml
Nordiazepam	5.851	882981	∞	67.1	4134.66	125347	261.7512 ng/ml
Norfentanyl	4.044	387904	45640.94	35.8	426.29	581751	24.4911 ng/ml
Norhydrocodone	3.027	90333	194.67	33.0	860.74	36278	228.8582 ng/ml
Noroxycodone	2.863	858926	724.55	49.3	1227.11	95333	248.6148 ng/ml
O-desmethyl-tramadol	3.332	5230037	∞	5.5	22141.51	1165771	251.9053 ng/ml
o-desmethylvenlafaxine	4.030	4018949	65172.06	26.3	9324.66	221770	251.5605 ng/ml
Olanzapine	3.952	249467	1247.04	55.7	1087.67	20654	264.2956 ng/ml
Oxazepam	5.713	1014109	285.27	78.1	546.47	252018	256.7986 ng/ml
Oxycodone	2.775	2167485	∞	29.0	1678.66	316449	249.1604 ng/ml
Oxymorphone	1.378	839416	1890.97	43.9	1308.80	94987	258.7149 ng/ml
Phentermine	3.734	546941	∞	5.1	∞	385407	251.1950 ng/ml
Promethazine	5.508	843561	1971.32	31.9	6240.05	153205	245.2577 ng/ml
Pseudoephedrine	2.522	5024250	148750.01	14.9	52052.34	949051	249.1332 ng/ml
Quetiapine	5.456	1236702	2578687.45	54.2	730.49	59310	253.9819 ng/ml
Sertraline	5.747	193959	621.14	96.6	277.64	35557	263.8823 ng/ml
Temazepam	5.781	1598826	24124.74	29.9	586.61	334593	249.8792 ng/ml
Tramadol	4.207	3589754	∞	3.6	512.91	698065	251.0848 ng/ml
Trazodone	4.870	1261336	145695.92	56.4	166624.72	157585	248.0910 ng/ml
Venlafaxine	5.003	2698748	1719.51	35.8	1145.71	620680	249.8621 ng/ml
Zolpidem	4.654	4831126	31018.84	28.8	4160.34	826510	256.2098 ng/ml





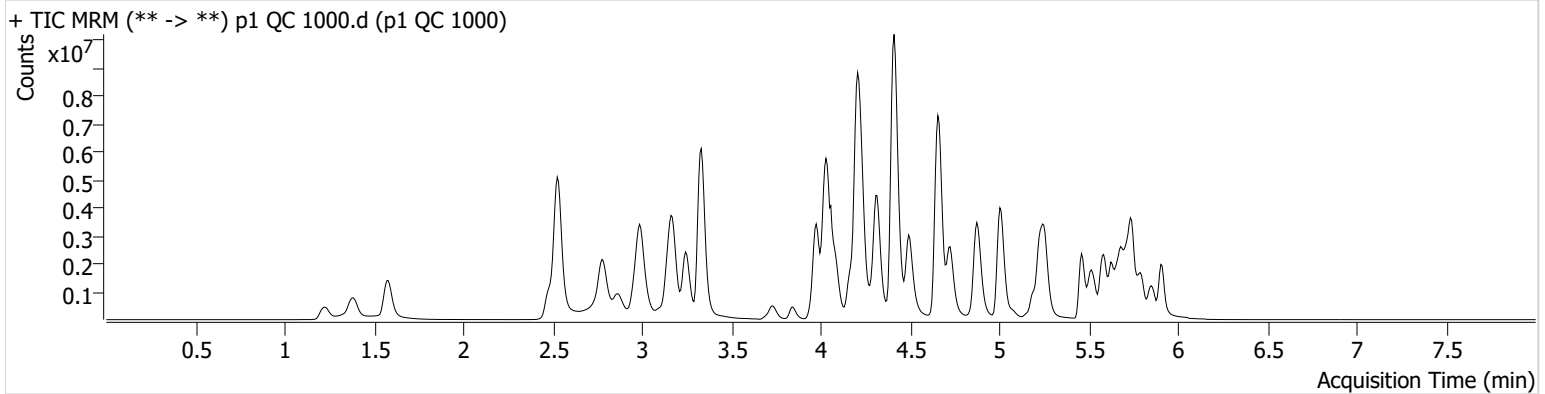
# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
Calibration Last Update 8/22/2023 9:00:38 AM

Instrument Falco (069901) Data File p1 QC 1000.d  
Type QC Sample p1 QC 1000  
Acq. Method AM 28 MDQ P1 Updated 081023.m Operator Celena Shrum  
Sample Position P2-E11 Comment  
Injection Volume 2  
Acq. Date-Time 8/16/2023 11:32:10 AM  
Sample Info.

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	160553	540.65	70.9	791.63	42116	108.1463 ng/ml
7-aminoclonazepam	4.171	2473372	1682.46	79.7	2400.41	128893	802.2343 ng/ml
a-hydroxyalprazolam	5.656	754689	129.54	76.4	256.92	30596	997.9898 ng/ml
alpha-PHP	4.882	1132472	2040.65	273.6	6042.07	271712	1058.8111 ng/ml
alpha-PVP	4.317	7500374	721208.10	46.8	2171255.77	271712	1030.9962 ng/ml
Alprazolam	5.740	3348768	∞	109.5	1949.68	108601	1117.9279 ng/ml
Amphetamine	2.996	7223632	412944.33	46.1	57367.89	105850	705.4950 ng/ml
Benzoylcegonine	3.838	551245	201601.48	7.7	953.90	15459	1081.0296 ng/ml
Buprenorphine	5.538	32664	3940.54	13.7	9375.36	11707	99.6024 ng/ml
Bupropion	4.725	3740842	3604.53	68.6	8224.49	106533	1008.2157 ng/ml
Carisoprodol	5.688	2296202	8664680.91	50.4	2298.36	113176	957.4234 ng/ml
Citalopram	5.186	1640559	35311.38	36.2	1962.98	73088	1015.6756 ng/ml
Clonazepam	5.575	4072806	38380.93	33.6	20768.27	54543	902.8396 ng/ml
Clonazolam	5.525	2255383	1509949.00	29.1	629661.05	54543	933.5685 ng/ml
Cocaine	4.225	5326333	65182.38	53.2	118148.74	413195	1046.1490 ng/ml
Codeine	2.499	515843	∞	106.1	188.38	38426	838.2320 ng/ml
Cyclobenzaprine	5.592	788207	1171.93	8.1	1141.58	34134	990.0546 ng/ml
Dextromethorphan	5.229	829784	1420.99	76.2	50952.22	37301	999.6160 ng/ml
Dextrorphan	4.085	1213067	1475.04	222.3	4588.82	159143	1032.8810 ng/ml
Diazepam	5.905	2374457	18802.30	88.1	∞	127123	1007.1773 ng/ml
Dihydrocodeine	2.484	2189890	102948.78	62.2	∞	157114	818.5793 ng/ml
Diphenhydramine	5.257	4247601	90926.52	27.4	1420.35	235705	1003.4889 ng/ml
Doxylamine	4.410	15221611	382858.10	95.7	616764.30	595446	1056.9151 ng/ml
Duloxetine	5.618	100679	3600.37	11.5	1140.04	5971	962.8484 ng/ml
EDDP	5.229	3861122	17661.03	44.5	8338.99	222318	1034.3651 ng/ml
Etizolam	5.778	1497112	5852.75	27.7	4317.77	54543	1018.3011 ng/ml
Fentanyl	5.028	65013	43887.18	78.5	67521.44	34399	110.8108 ng/ml
Fluorofentanyl	5.075	275457	3996.39	43.1	17521.98	549	98.8328 ng/ml
Fluoxetine	5.678	689701	1484.18	8.0	61291.27	27129	931.3816 ng/ml
Hydrocodone	2.959	2686311	1317.07	32.2	1056.32	193279	841.5458 ng/ml



# AM #28 Multi-Drug Quant. Results

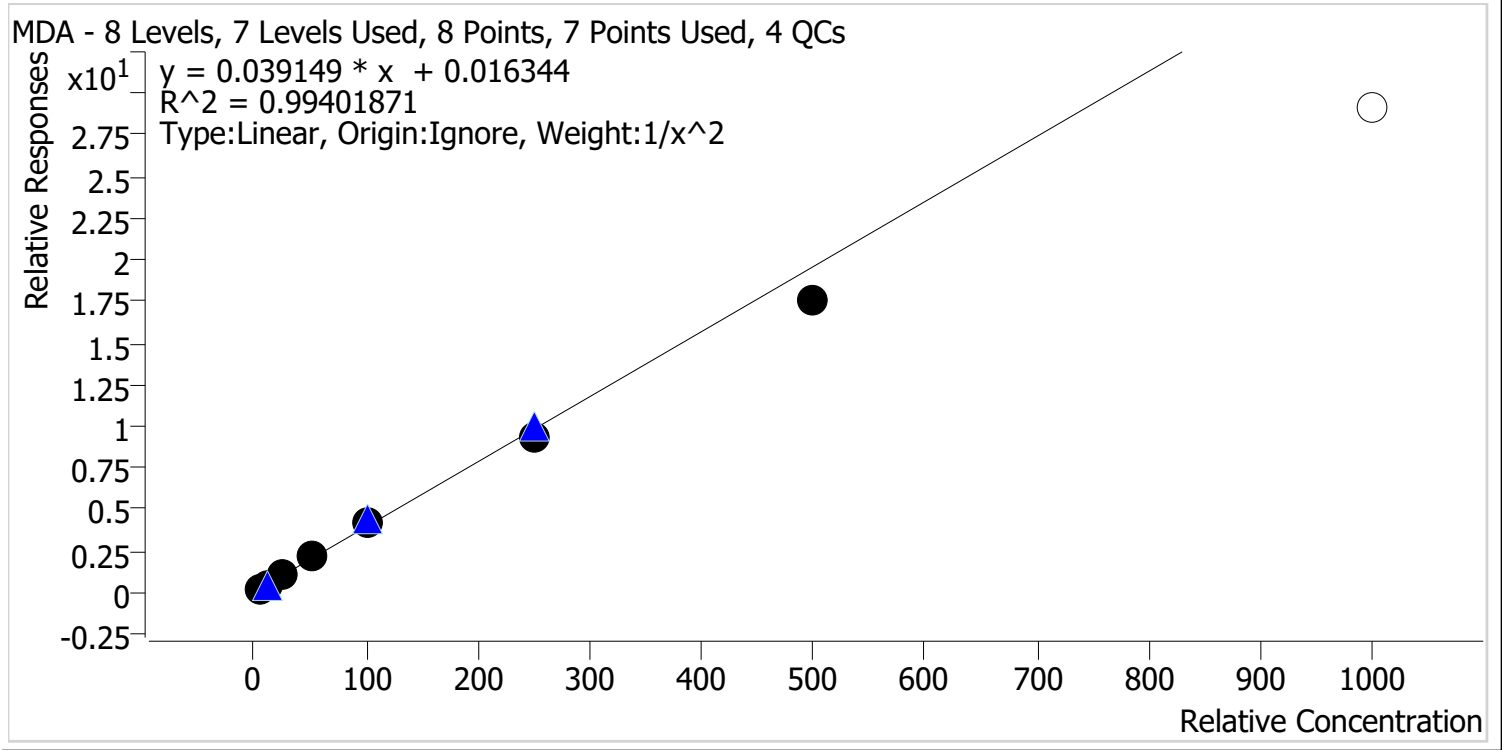
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	3119137	3755422.73	72.4	11520591.79	92478	985.0463 ng/ml
Hydroxyzine	5.654	800151	9462.77	80.6	27096.17	37301	1010.1449 ng/ml
Ketamine	3.976	6330233	11304.33	37.6	2942.03	270571	934.3623 ng/ml
Lamotrigine	4.221	233275	2899.11	89.6	1500.26	540383	786.5017 ng/ml
Lorazepam	5.711	909488	32587.28	49.7	8626.54	70367	928.6052 ng/ml
MDA	3.144	3264599	80119.46	23.4	718.96	110371	755.1066 ng/ml
MDMA	3.245	3687834	16929.20	76.6	5536.05	38931	969.7261 ng/ml
Meprobamate	4.862	941315	19133.53	25.3	7865.10	75733	632.8240 ng/ml
Methadone	5.630	2551288	2113.38	41.5	15363.58	84136	972.1718 ng/ml
Methamphetamine	3.172	6472421	76671.10	39.4	34997.31	443628	896.9479 ng/ml
Metoprolol	4.287	788961	1021247.30	104.1	72040.59	516405	711.8092 ng/ml
Mirtazapine	4.492	5098375	185150.42	47.2	12777.44	271712	1378.7540 ng/ml
Mitragynine	5.149	310405	209102.43	32.5	834.70	84136	945.3181 ng/ml
Morphine	1.227	542021	∞	32.3	∞	15072	981.0686 ng/ml
Norbuprenorphine	4.958	3369	2588.12	96.7	6775.40	1918	98.3552 ng/ml
Nordiazepam	5.851	1702128	∞	65.7	12884.88	66010	958.5872 ng/ml
Norfentanyl	4.051	920486	73256.06	37.6	4891.65	323637	104.3401 ng/ml
Norhydrocodone	3.027	292155	540.08	36.6	429.88	21745	1227.7739 ng/ml
Noroxycodone	2.863	2001166	18665.97	49.0	9565.15	53657	1031.4131 ng/ml
O-desmethyl-tramadol	3.332	16101041	567001.33	5.5	5911.39	862772	1046.5677 ng/ml
o-desmethylvenlafaxine	4.030	11205311	177757.30	25.4	13880.43	138792	1118.7519 ng/ml
Olanzapine	3.946	801287	3159.76	58.1	3456.24	19373	907.1855 ng/ml
Oxazepam	5.713	967915	1132.58	78.5	947.95	70367	878.6833 ng/ml
Oxycodone	2.775	7162818	5720.63	28.4	4350.74	278948	934.5069 ng/ml
Oxymorphone	1.378	2319236	∞	43.9	664.19	76003	893.6518 ng/ml
Phentermine	3.734	1383964	994.97	4.7	2999.67	300066	817.8832 ng/ml
Promethazine	5.508	1606025	75333.31	31.5	∞	74391	960.8616 ng/ml
Pseudoephedrine	2.528	13019410	1579.62	14.2	124467.07	540383	1130.6995 ng/ml
Quetiapine	5.456	3655000	2459.56	58.1	2391036.52	44162	1009.3557 ng/ml
Sertraline	5.747	185657	14812.56	93.2	729.56	9341	962.1582 ng/ml
Temazepam	5.795	2009971	4235.78	29.8	2812.79	96785	1084.9962 ng/ml
Tramadol	4.200	9273968	3864.08	3.6	927.61	516405	876.9764 ng/ml
Trazodone	4.870	3170266	225299.74	62.8	6890.04	119207	828.1463 ng/ml
Venlafaxine	5.003	7980684	314606.45	33.5	10021.43	434536	1054.2596 ng/ml
Zolpidem	4.654	16535530	36778.89	27.2	5856.95	752175	963.5961 ng/ml

CS



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

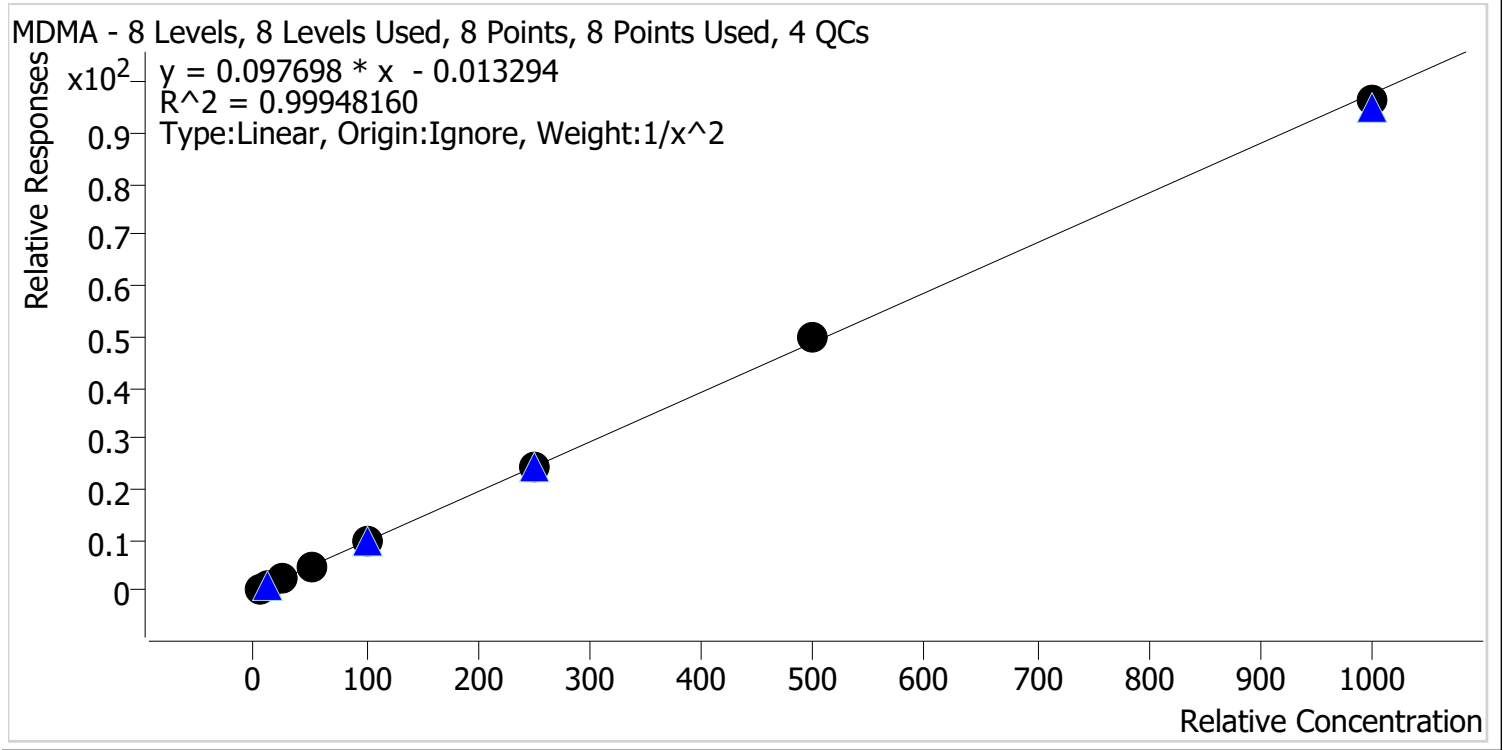
**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** MDA **Internal Standard** MDA-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.0
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	236.0	94.4
p1 Cal 7-500ng	7	✓	500.0	447.8	89.6
p1 Cal 8-1000ng	8	x	1000.0	745.9	74.6

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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6



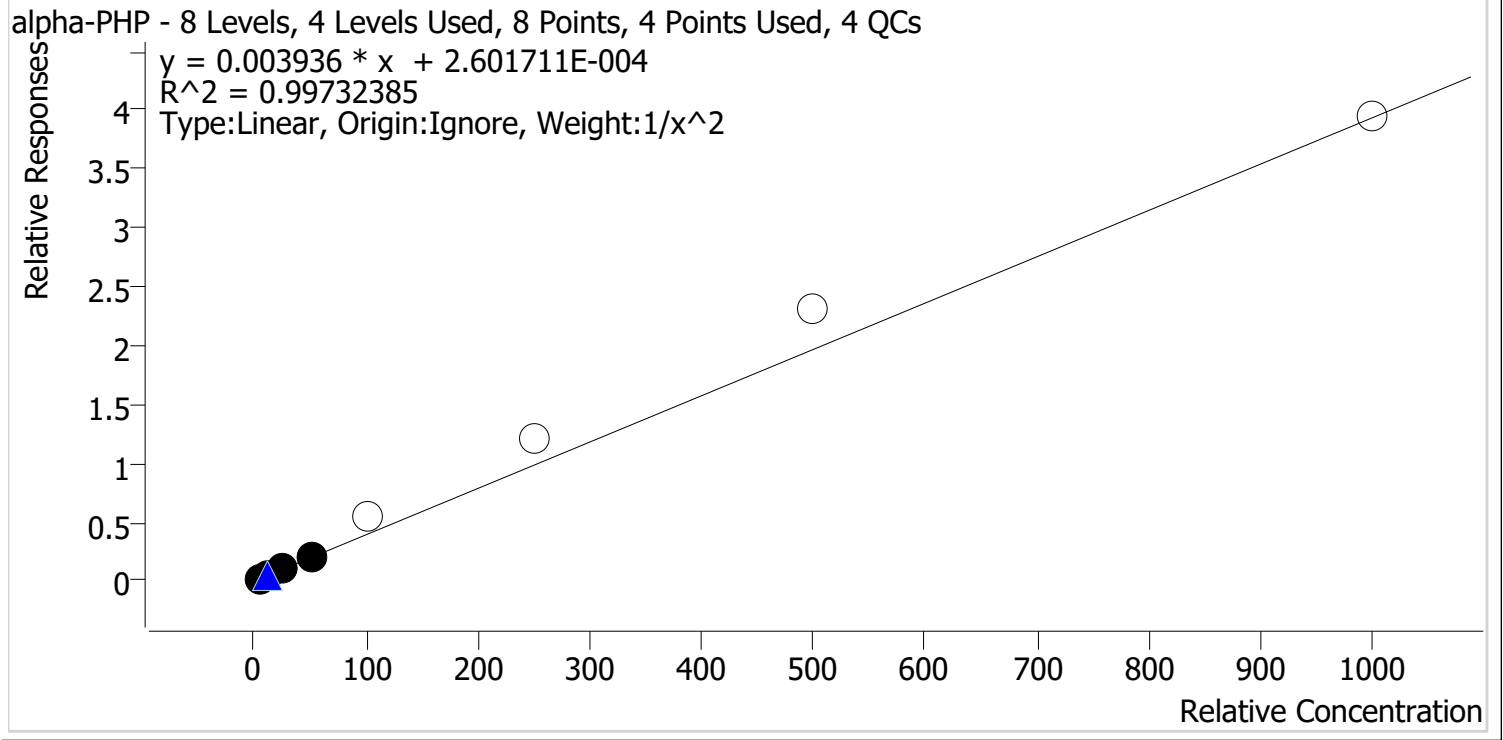
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	513.3	102.7
p1 Cal 8-1000ng	8	✓	1000.0	986.0	98.6

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-D8



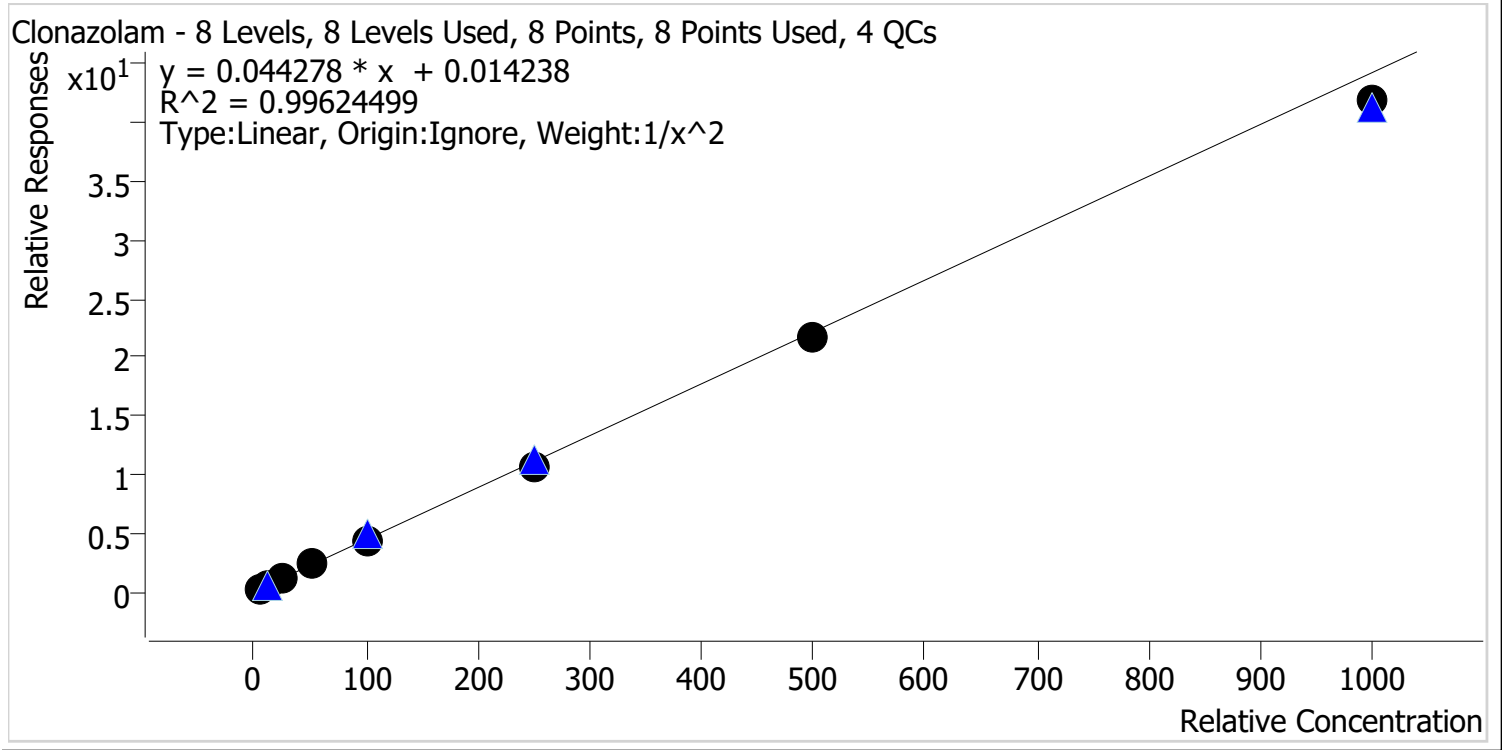
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✗	100.0	143.1	143.1
p1 Cal 6-250ng	6	✗	250.0	304.3	121.7
p1 Cal 7-500ng	7	✗	500.0	584.4	116.9
p1 Cal 8-1000ng	8	✗	1000.0	1001.6	100.2

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datator  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	56.2	112.4
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	242.6	97.1
p1 Cal 7-500ng	7	✓	500.0	488.7	97.7
p1 Cal 8-1000ng	8	✓	1000.0	946.0	94.6

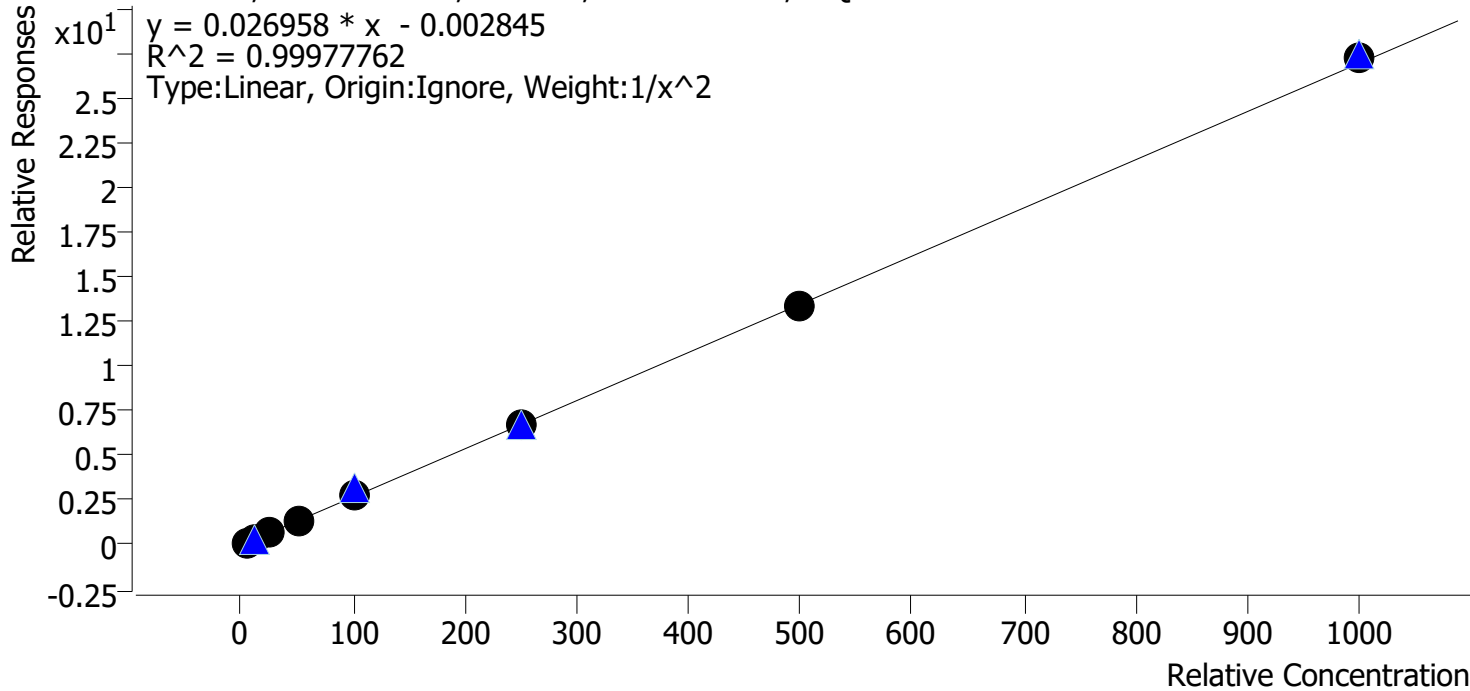
Cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1009.3	100.9

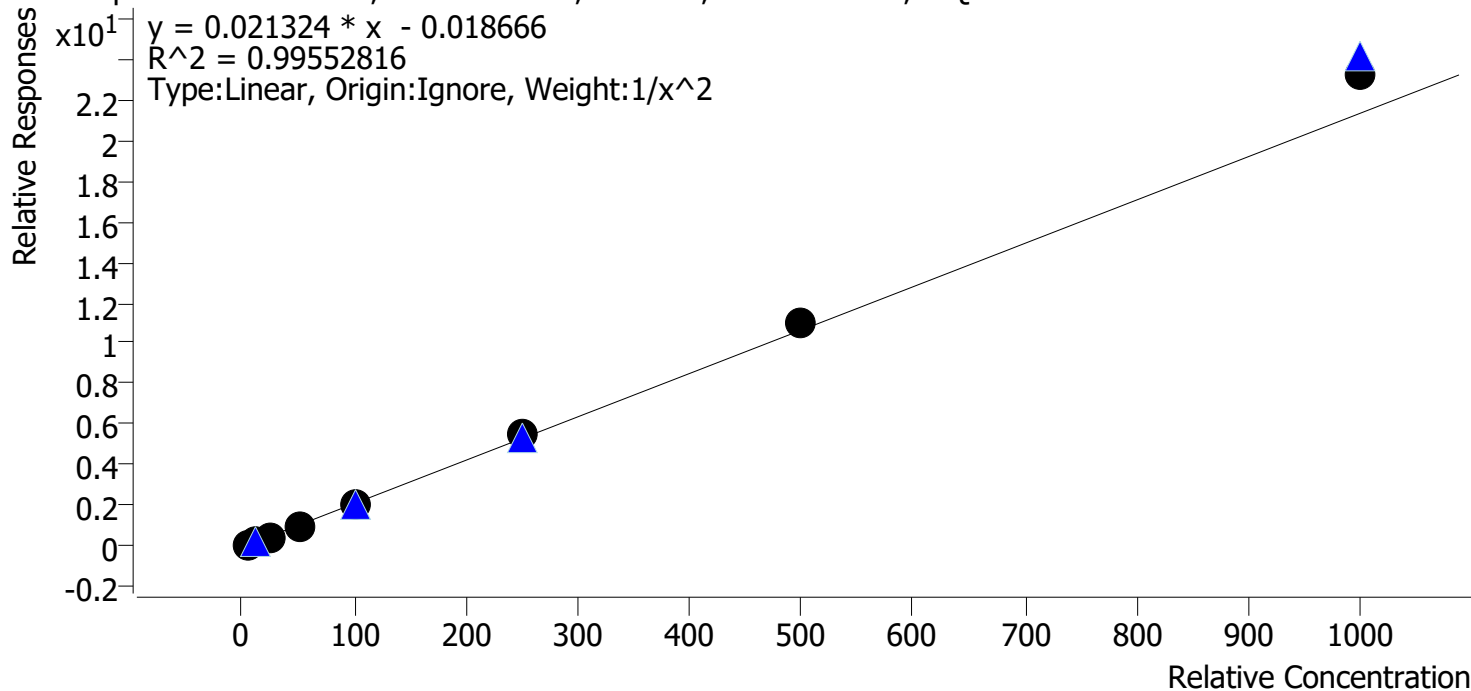
CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datator  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



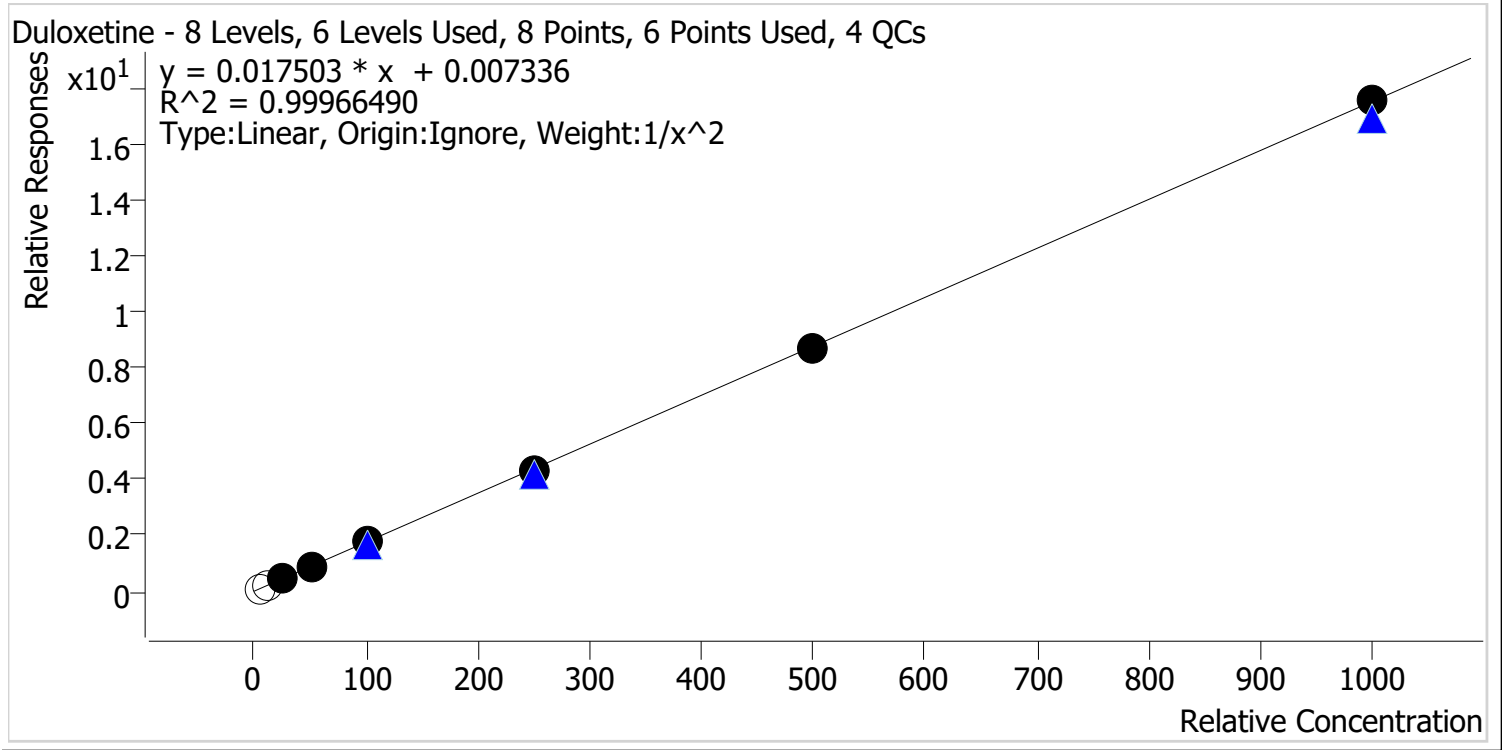
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.0
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.5
p1 Cal 4-50ng	4	✓	50.0	46.6	93.2
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	258.8	103.5
p1 Cal 7-500ng	7	✓	500.0	517.8	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1091.0	109.1





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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-D3



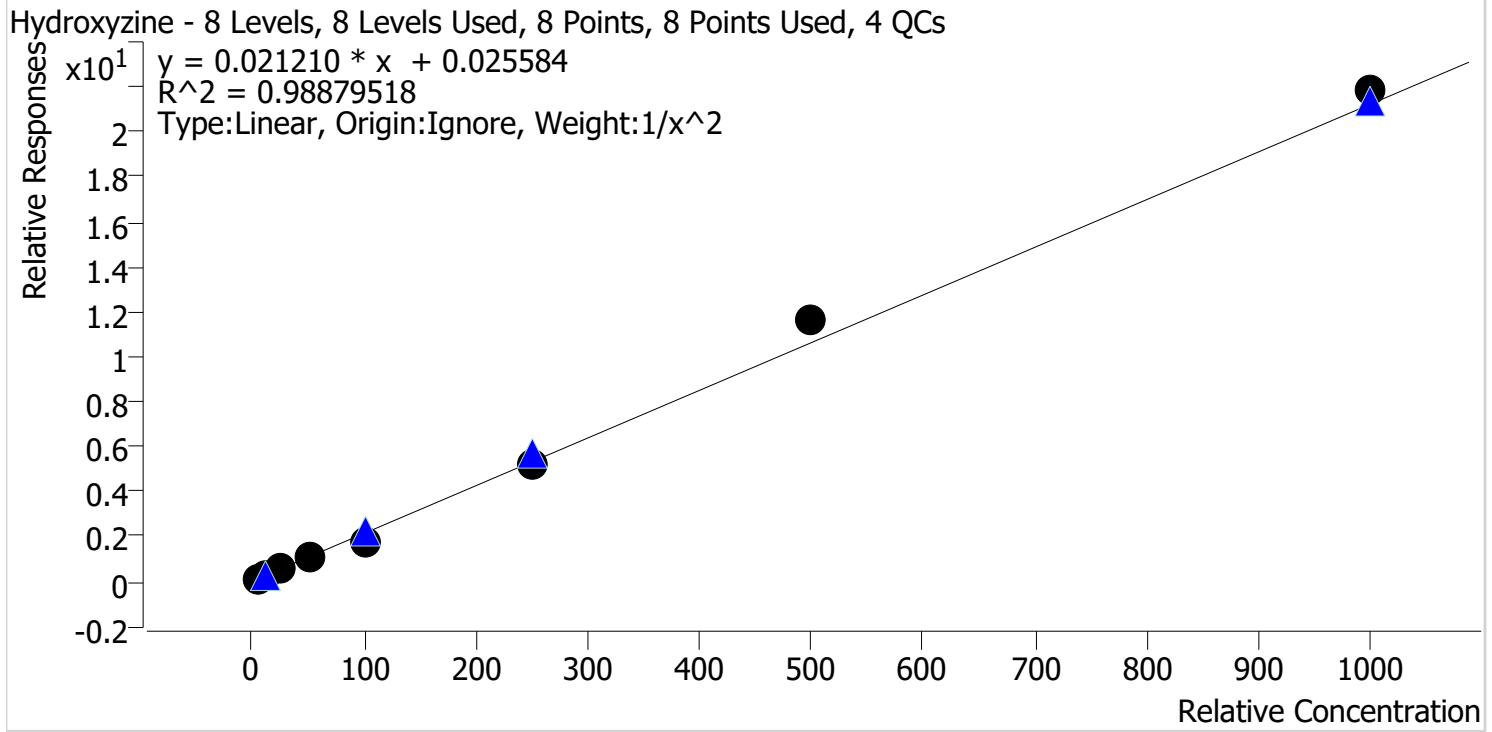
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	4.8	95.0
p1 Cal 2-10ng	2	x	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	493.3	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1001.9	100.2

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 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	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.7	106.8
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	53.0	106.1
p1 Cal 5-100ng	5	✓	100.0	80.2	80.2
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	549.0	109.8
p1 Cal 8-1000ng	8	✓	1000.0	1028.8	102.9

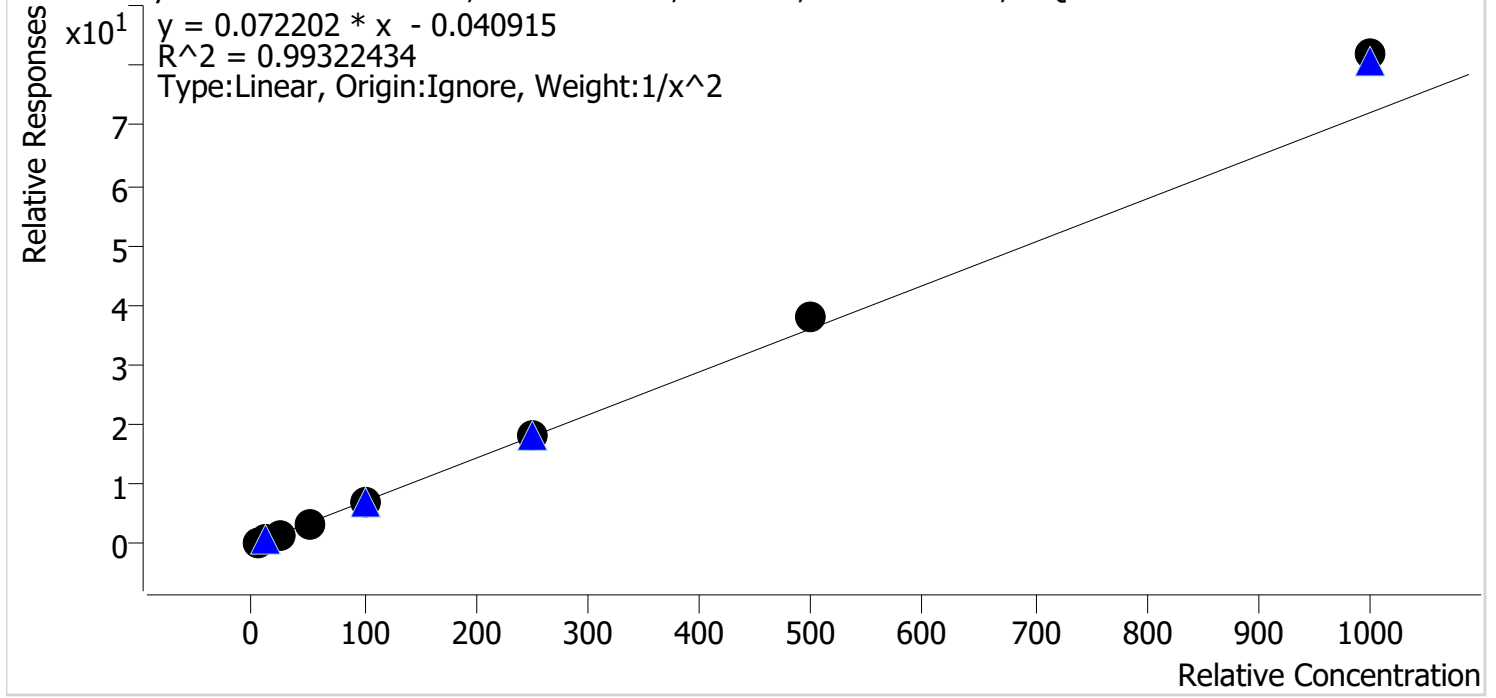
CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6

o-desmethylvenlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

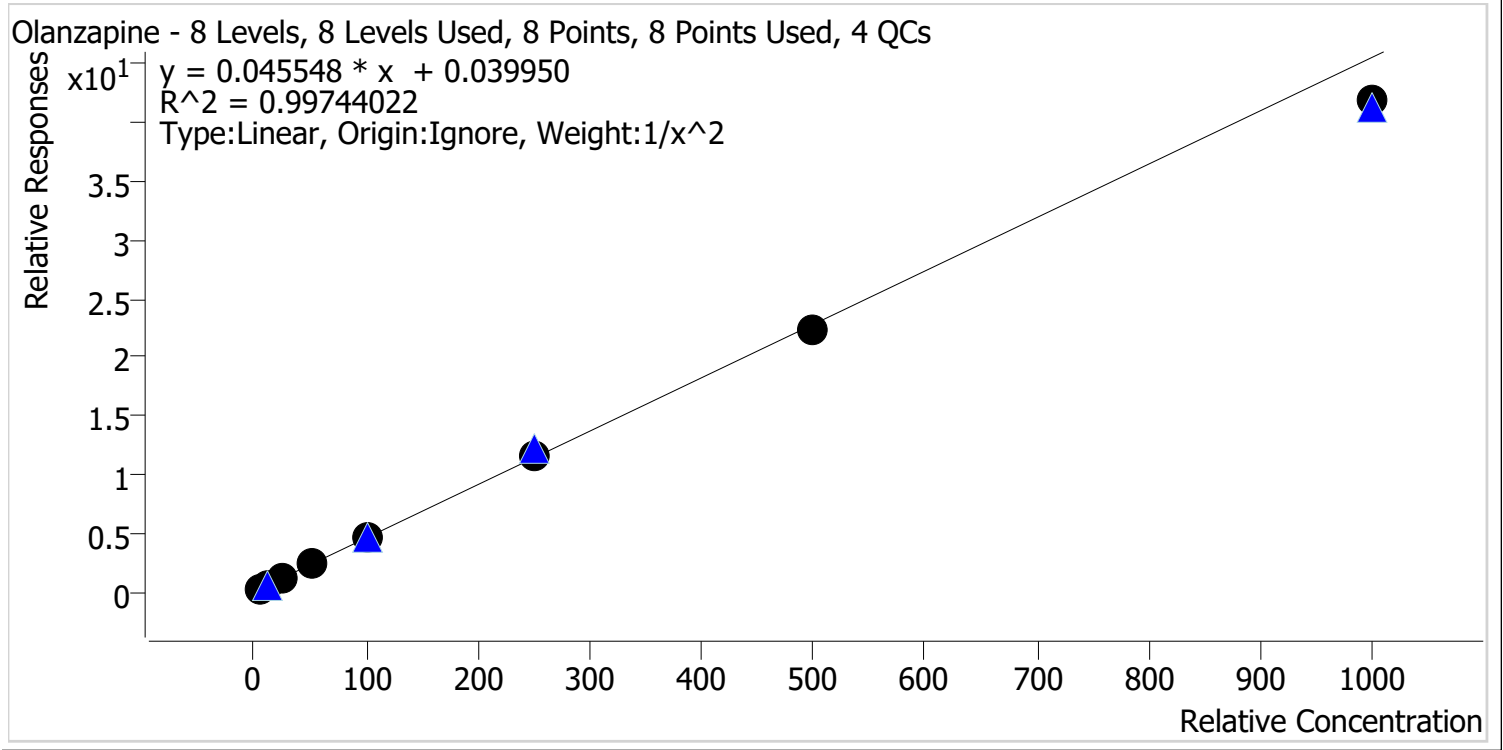


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.0
p1 Cal 4-50ng	4	✓	50.0	47.0	93.9
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	523.6	104.7
p1 Cal 8-1000ng	8	✓	1000.0	1135.1	113.5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Olanzapine **Internal Standard** Olanzapine-D8



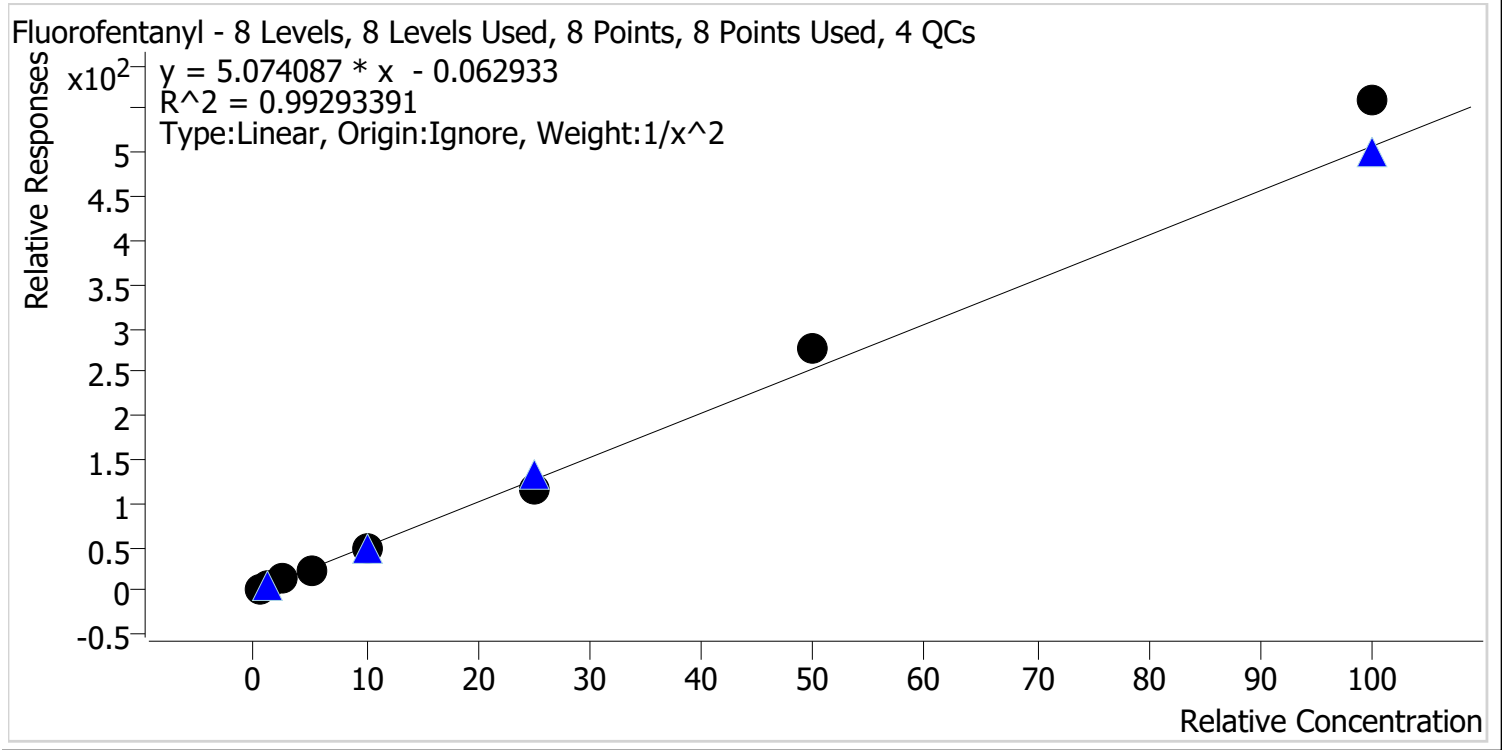
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	490.8	98.2
p1 Cal 8-1000ng	8	✓	1000.0	919.0	91.9

Cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

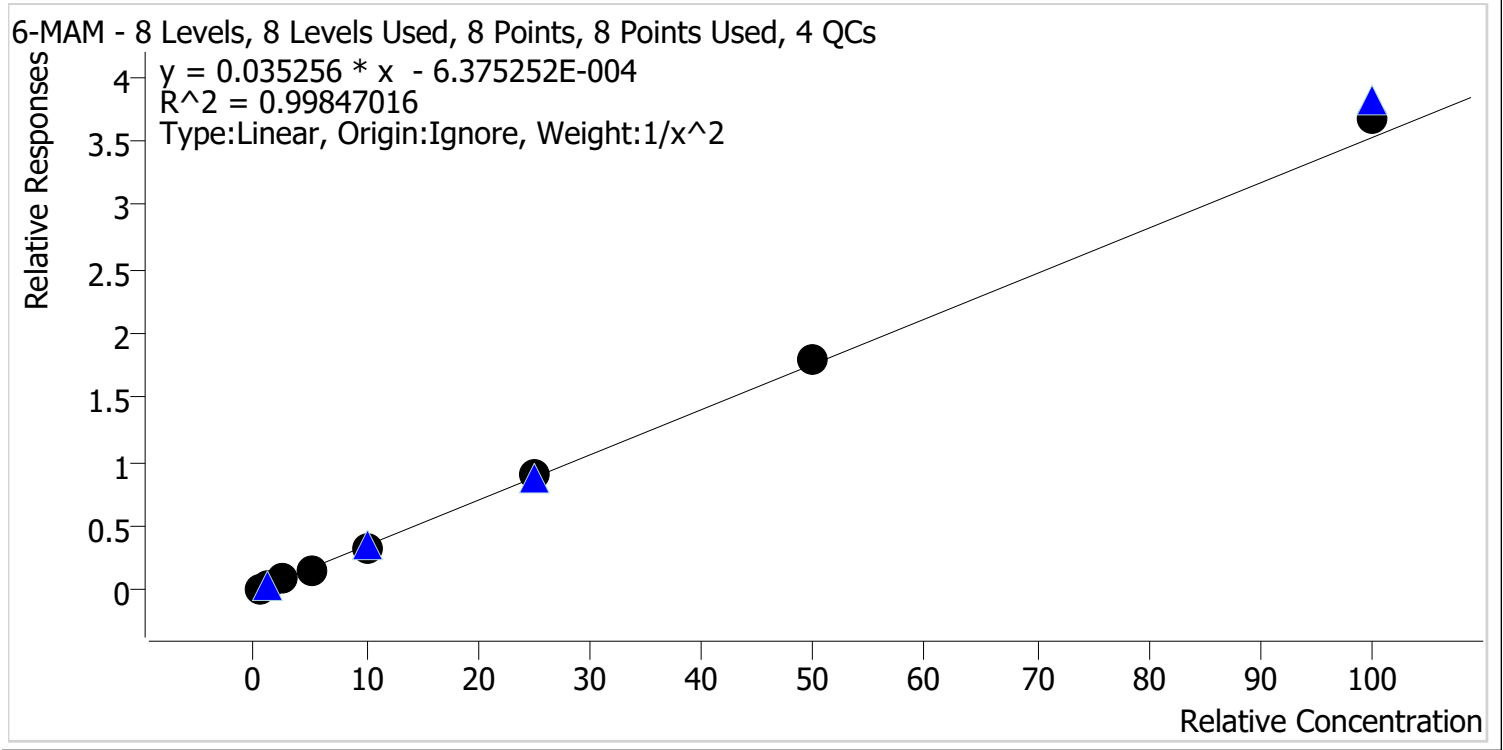


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.6
p1 Cal 2-10ng	2	✓	1.0	0.9	93.4
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.8
p1 Cal 4-50ng	4	✓	5.0	4.7	94.1
p1 Cal 5-100ng	5	✓	10.0	9.7	97.0
p1 Cal 6-250ng	6	✓	25.0	22.6	90.5
p1 Cal 7-500ng	7	✓	50.0	54.2	108.4
p1 Cal 8-1000ng	8	✓	100.0	110.3	110.3



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6



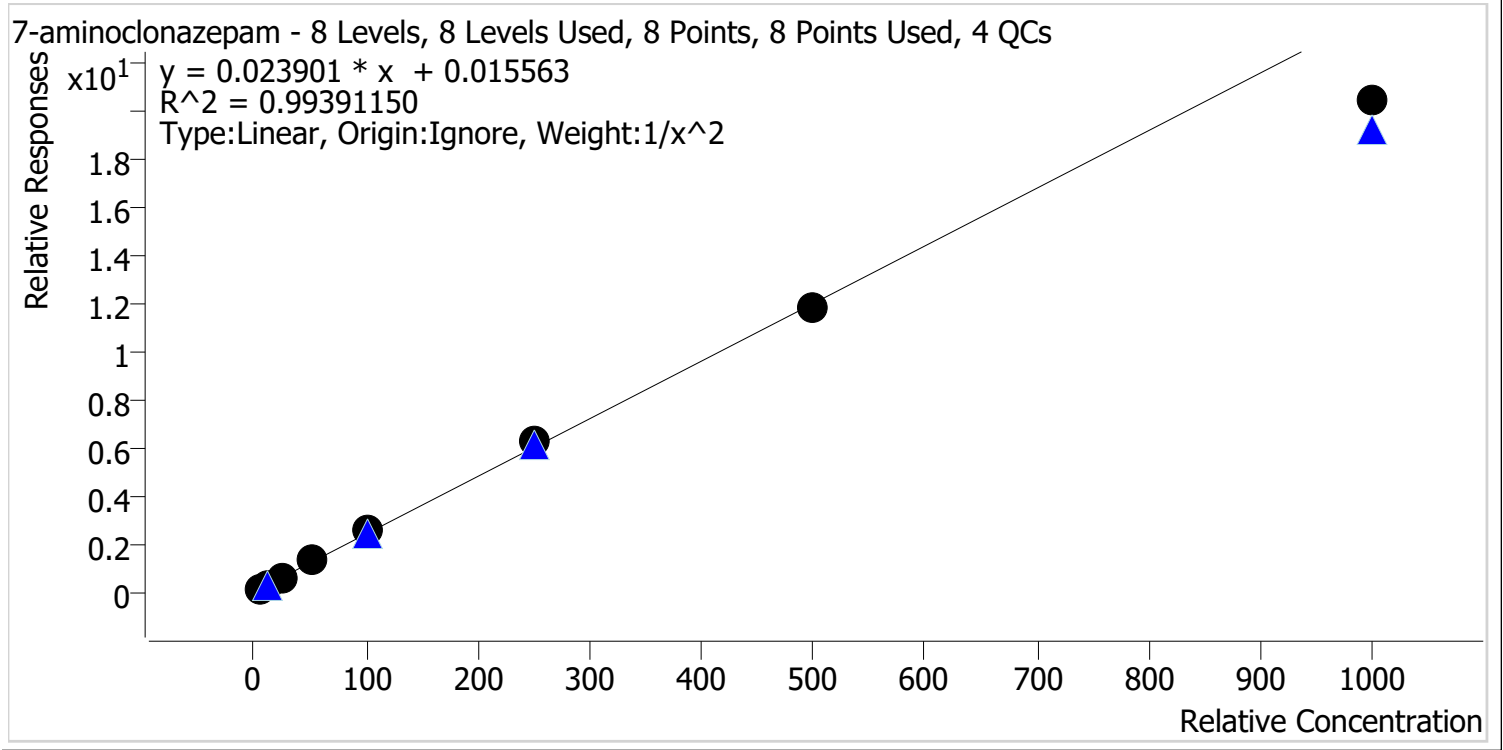
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.6
p1 Cal 2-10ng	2	✓	1.0	1.0	97.6
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.5
p1 Cal 4-50ng	4	✓	5.0	4.7	94.0
p1 Cal 5-100ng	5	✓	10.0	9.7	97.3
p1 Cal 6-250ng	6	✓	25.0	25.4	101.6
p1 Cal 7-500ng	7	✓	50.0	51.0	101.9
p1 Cal 8-1000ng	8	✓	100.0	104.6	104.6

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

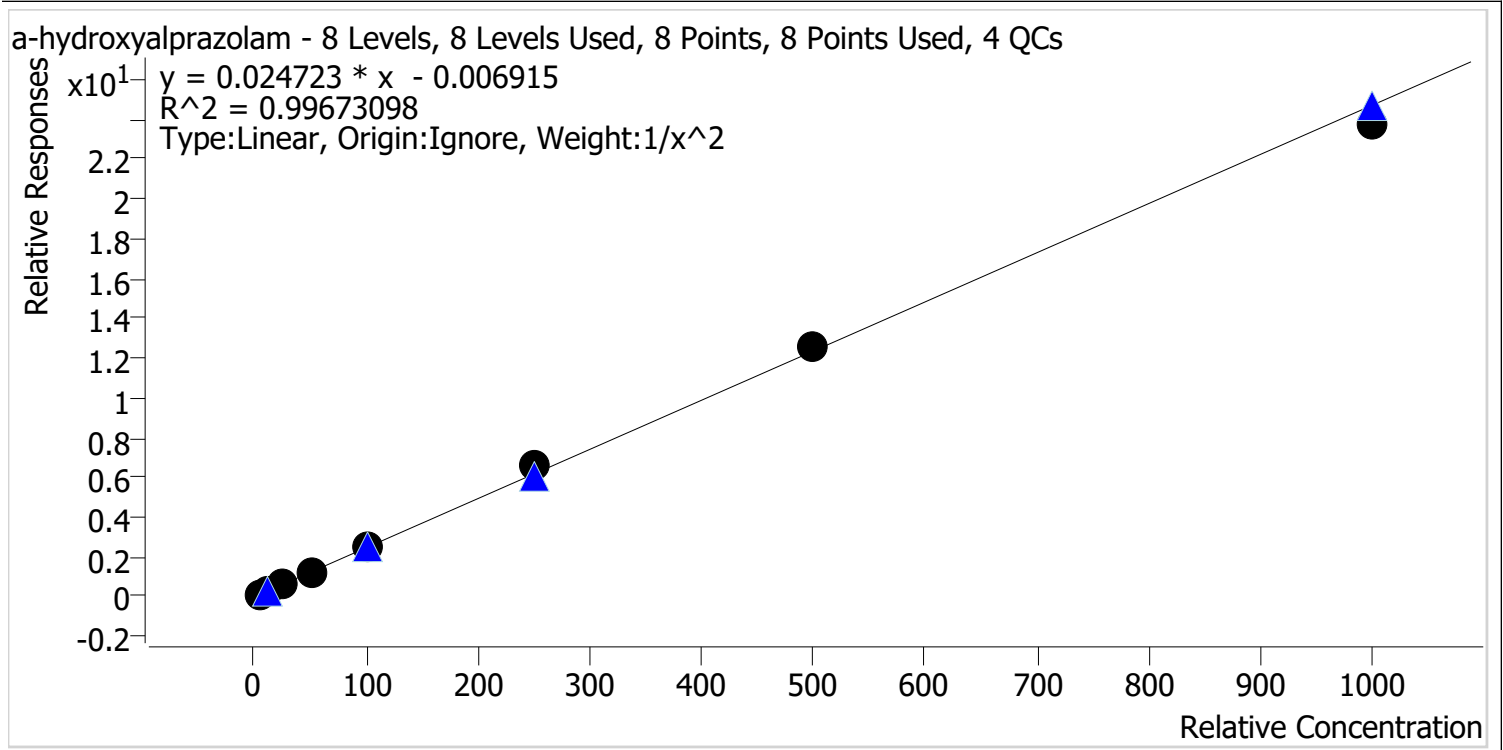


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	259.9	104.0
p1 Cal 7-500ng	7	✓	500.0	490.1	98.0
p1 Cal 8-1000ng	8	✓	1000.0	852.1	85.2



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datator  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.5	95.0
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	46.5	93.0
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	270.2	108.1
p1 Cal 7-500ng	7	✓	500.0	506.6	101.3
p1 Cal 8-1000ng	8	✓	1000.0	960.3	96.0

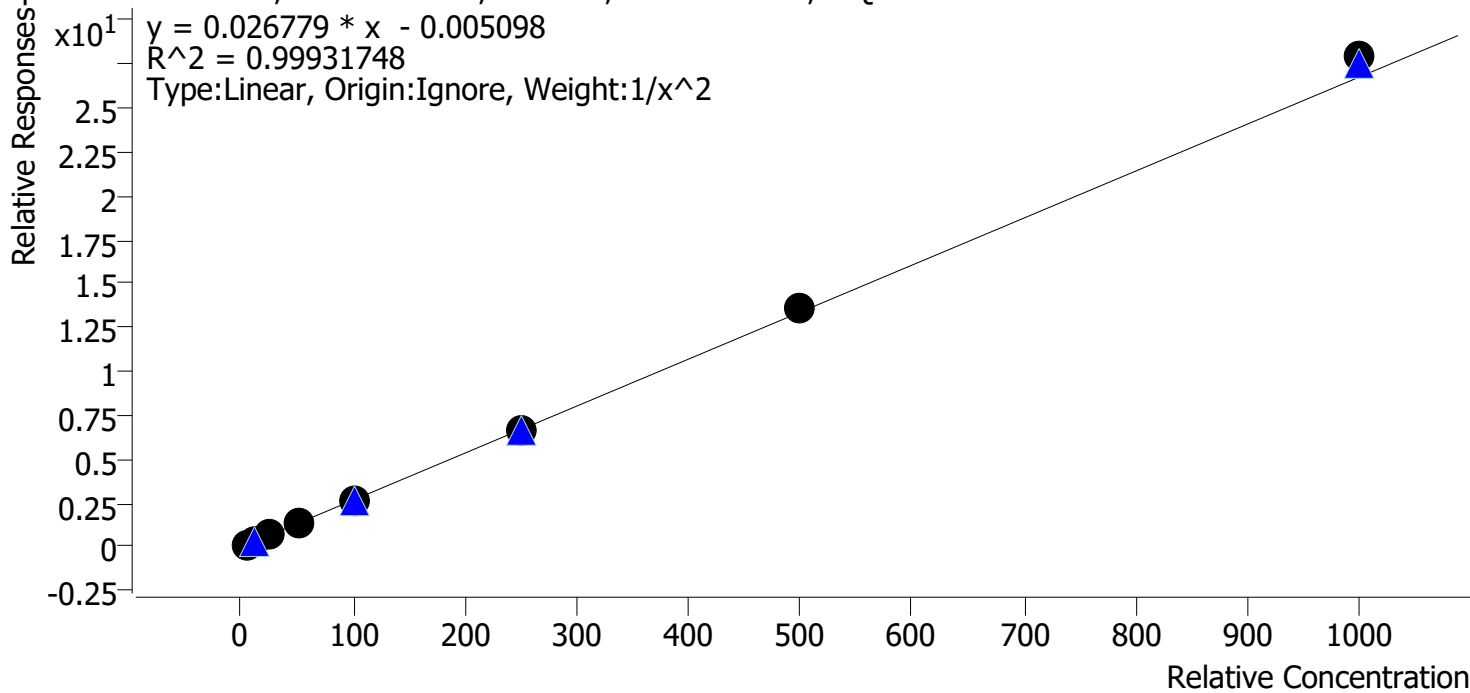




# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-D8

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



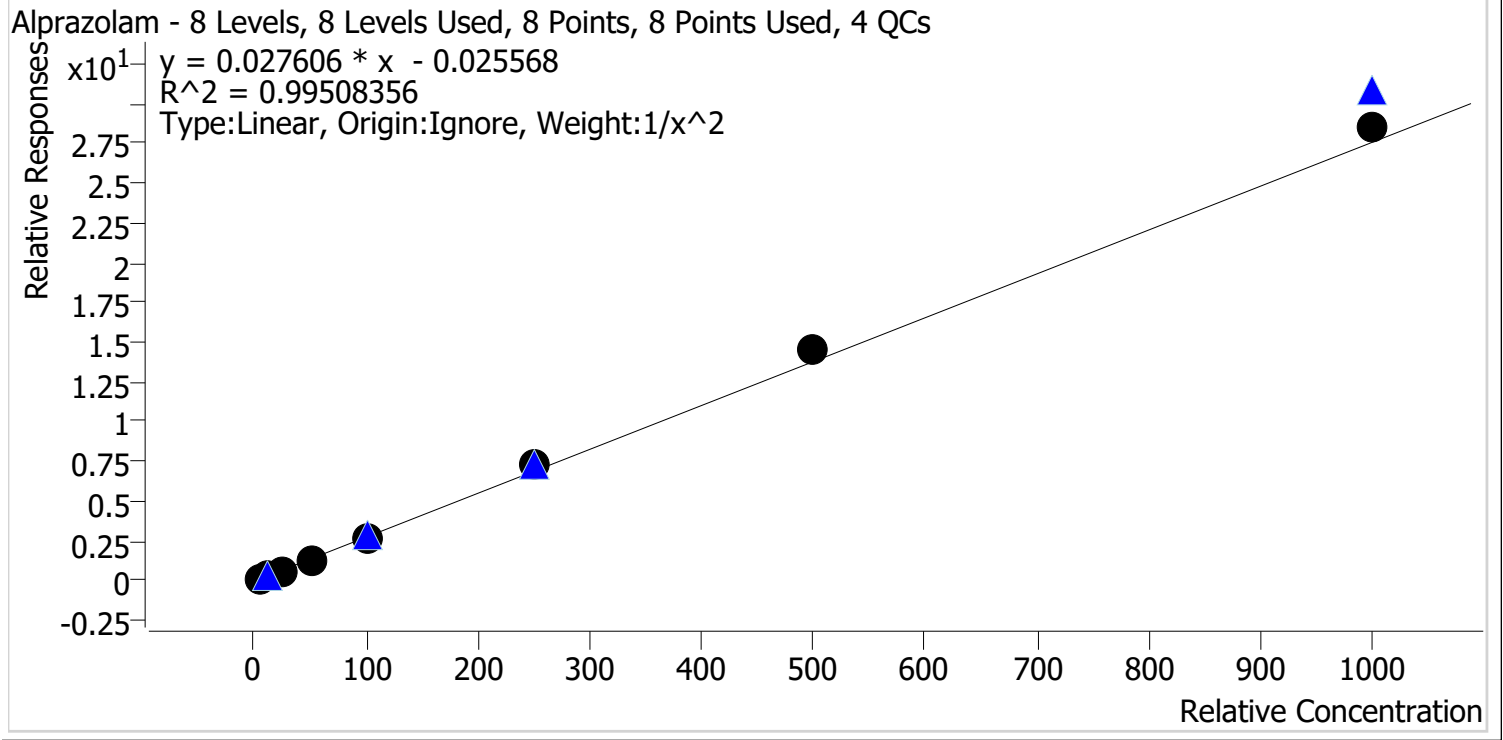
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	505.7	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1043.7	104.4

cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



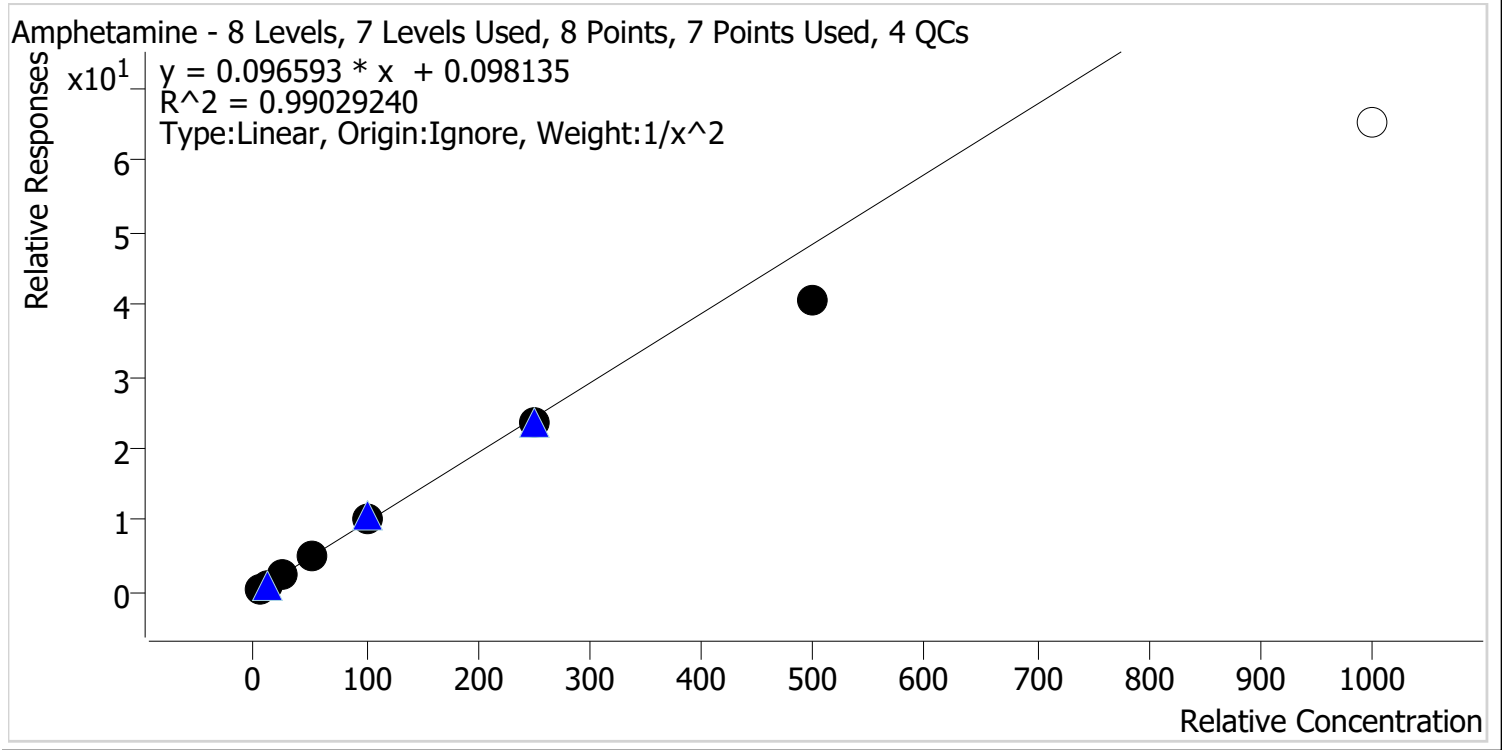
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.6
p1 Cal 4-50ng	4	✓	50.0	46.4	92.7
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	267.5	107.0
p1 Cal 7-500ng	7	✓	500.0	529.4	105.9
p1 Cal 8-1000ng	8	✓	1000.0	1034.5	103.5

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

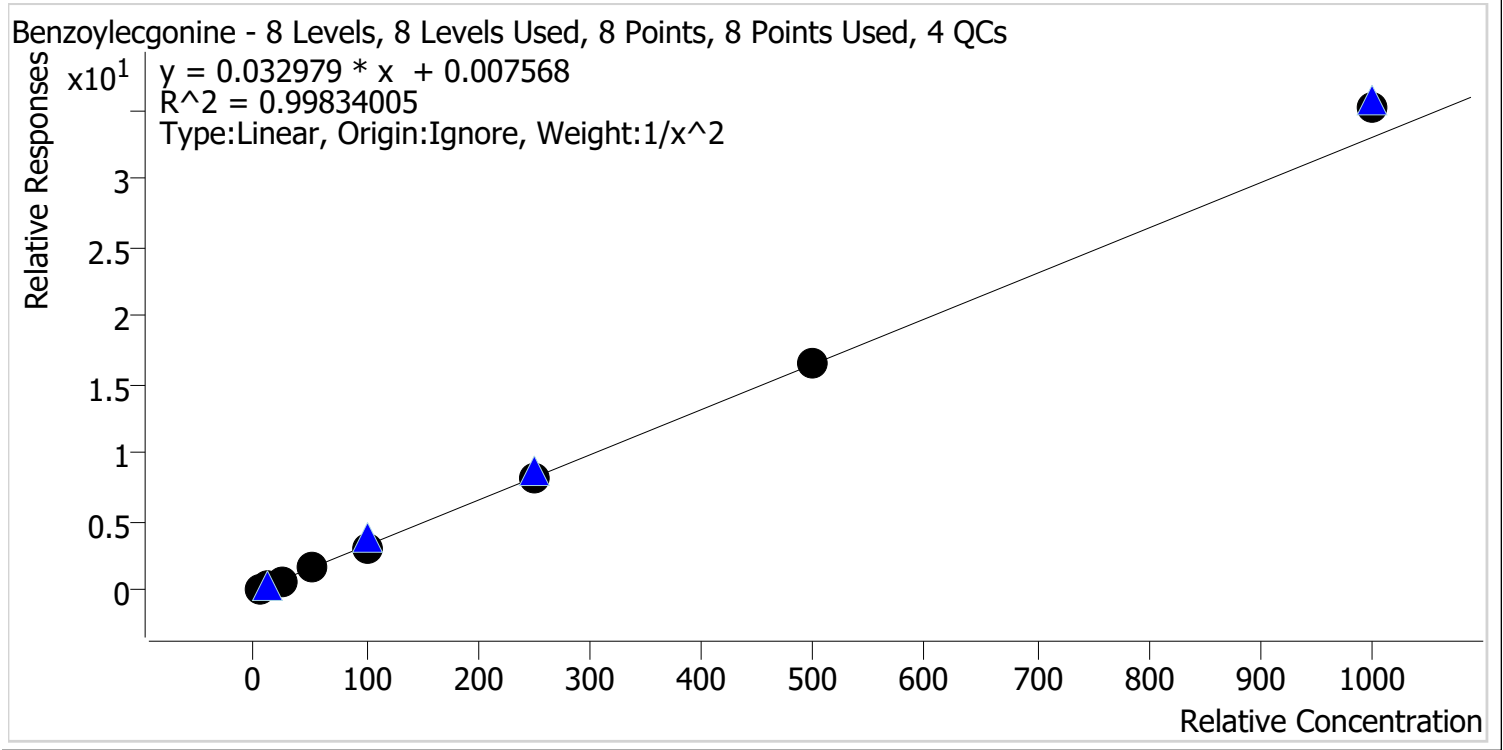


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	241.4	96.6
p1 Cal 7-500ng	7	✓	500.0	421.6	84.3
p1 Cal 8-1000ng	8	✗	1000.0	675.2	67.5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

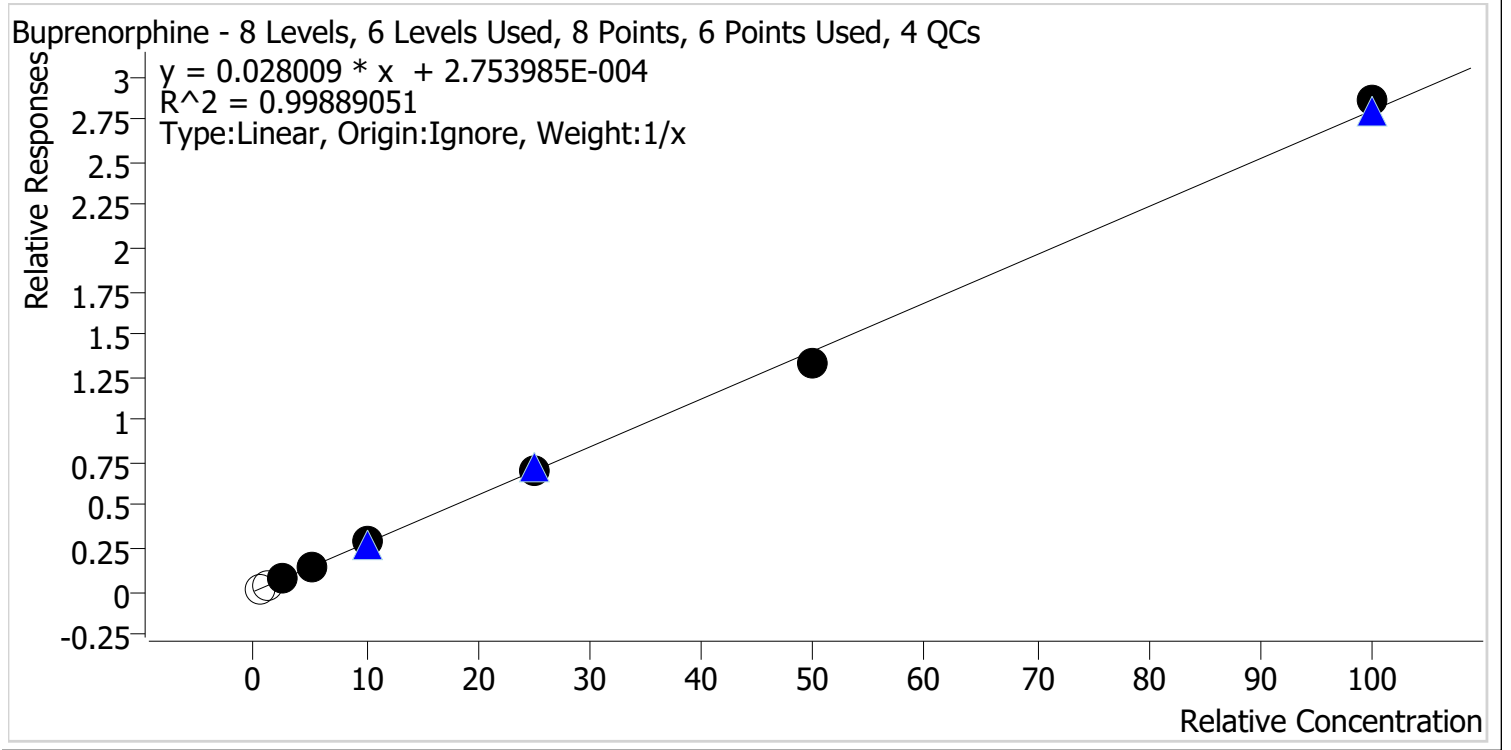


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1068.0	106.8



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

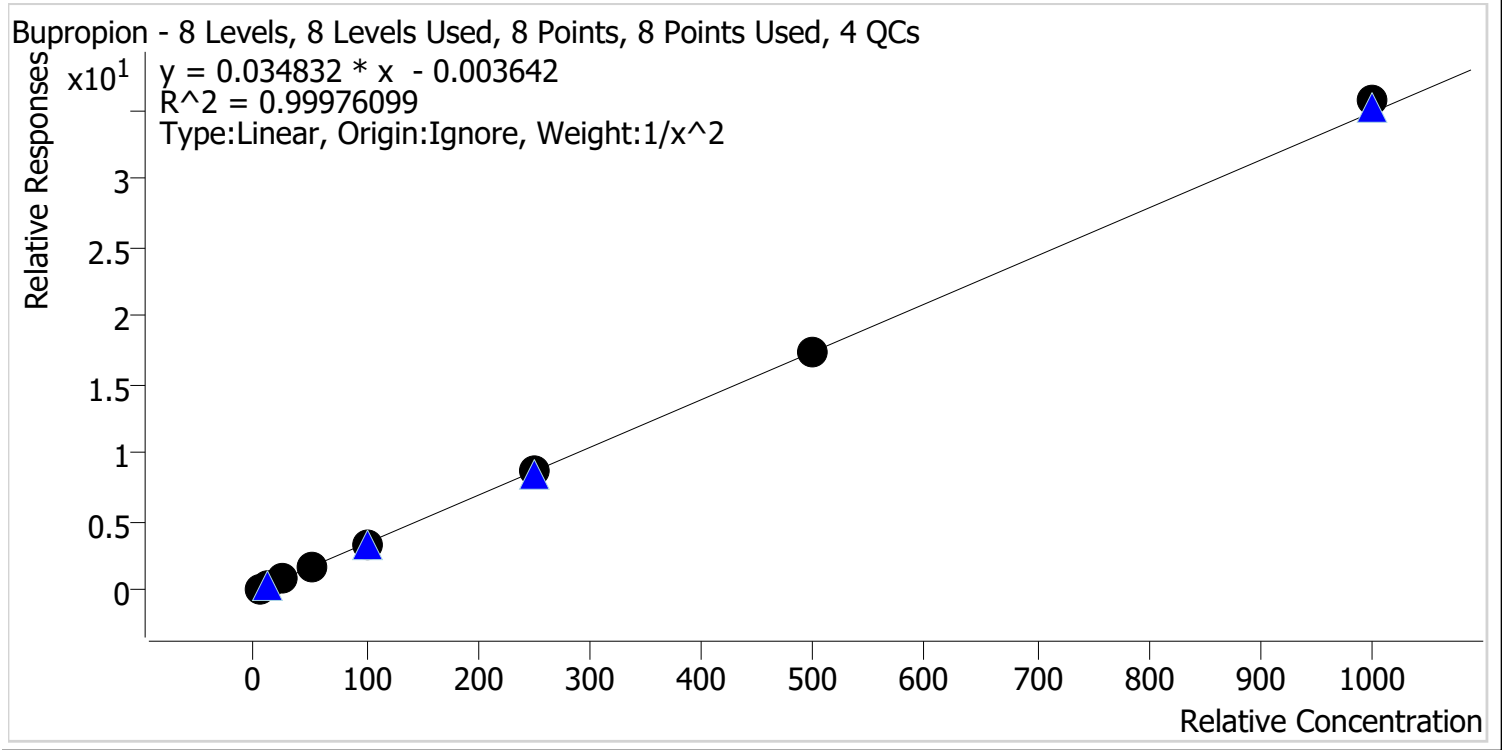


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.5	102.8
p1 Cal 2-10ng	2	x	1.0	1.1	111.8
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.1
p1 Cal 4-50ng	4	✓	5.0	4.9	98.0
p1 Cal 5-100ng	5	✓	10.0	10.0	100.4
p1 Cal 6-250ng	6	✓	25.0	25.3	101.1
p1 Cal 7-500ng	7	✓	50.0	47.6	95.3
p1 Cal 8-1000ng	8	✓	100.0	102.1	102.1



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

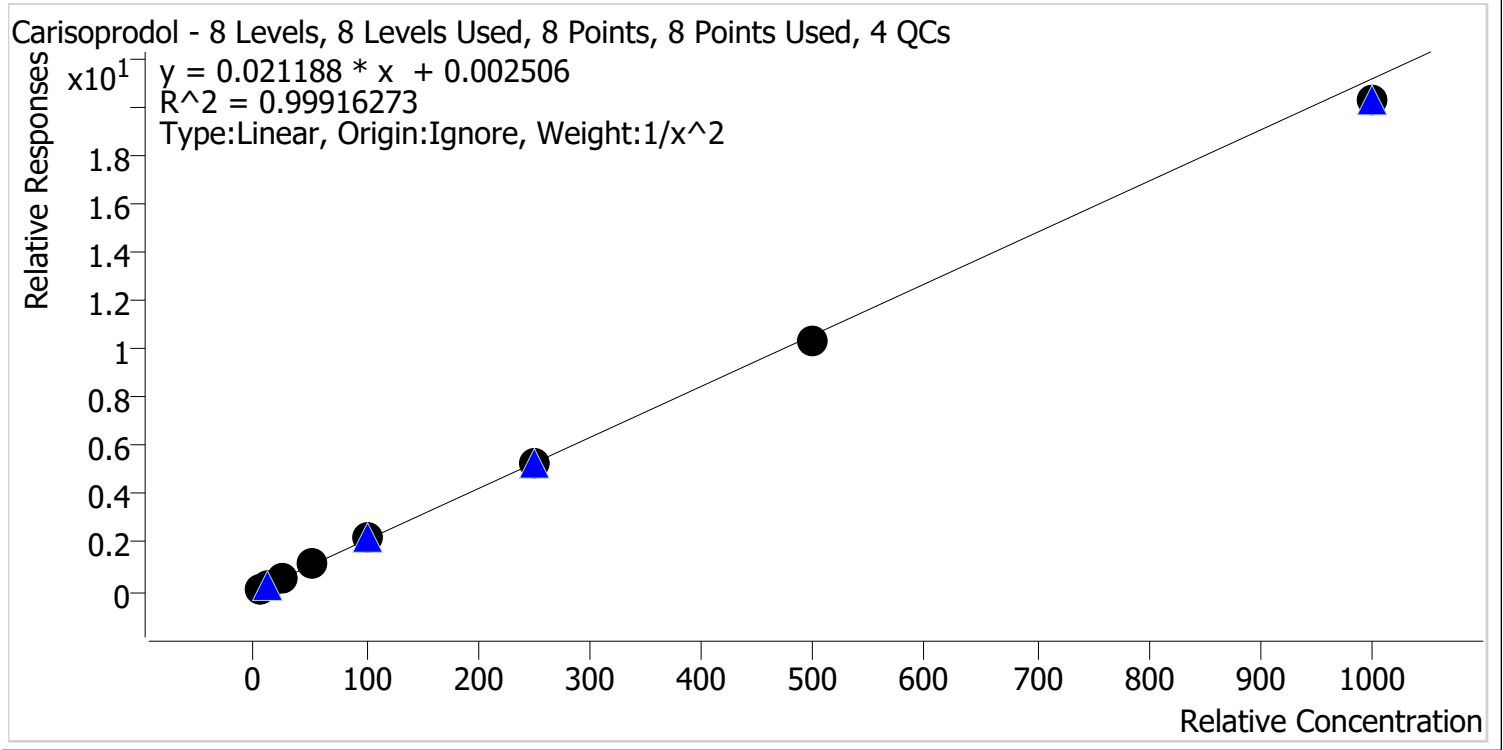


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	499.4	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1024.4	102.4



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



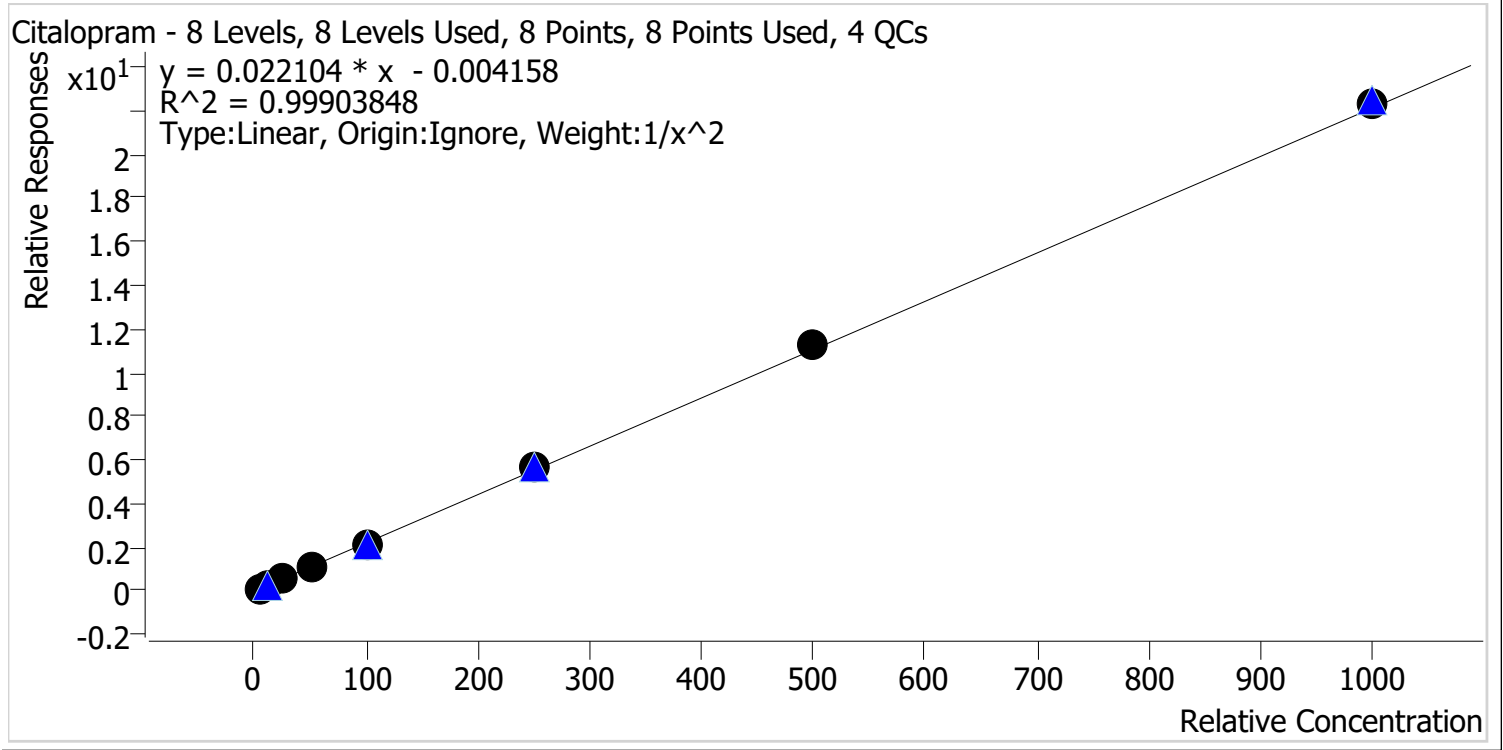
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	488.8	97.8
p1 Cal 8-1000ng	8	✓	1000.0	956.5	95.7

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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 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	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	260.5	104.2
p1 Cal 7-500ng	7	✓	500.0	508.2	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1008.7	100.9

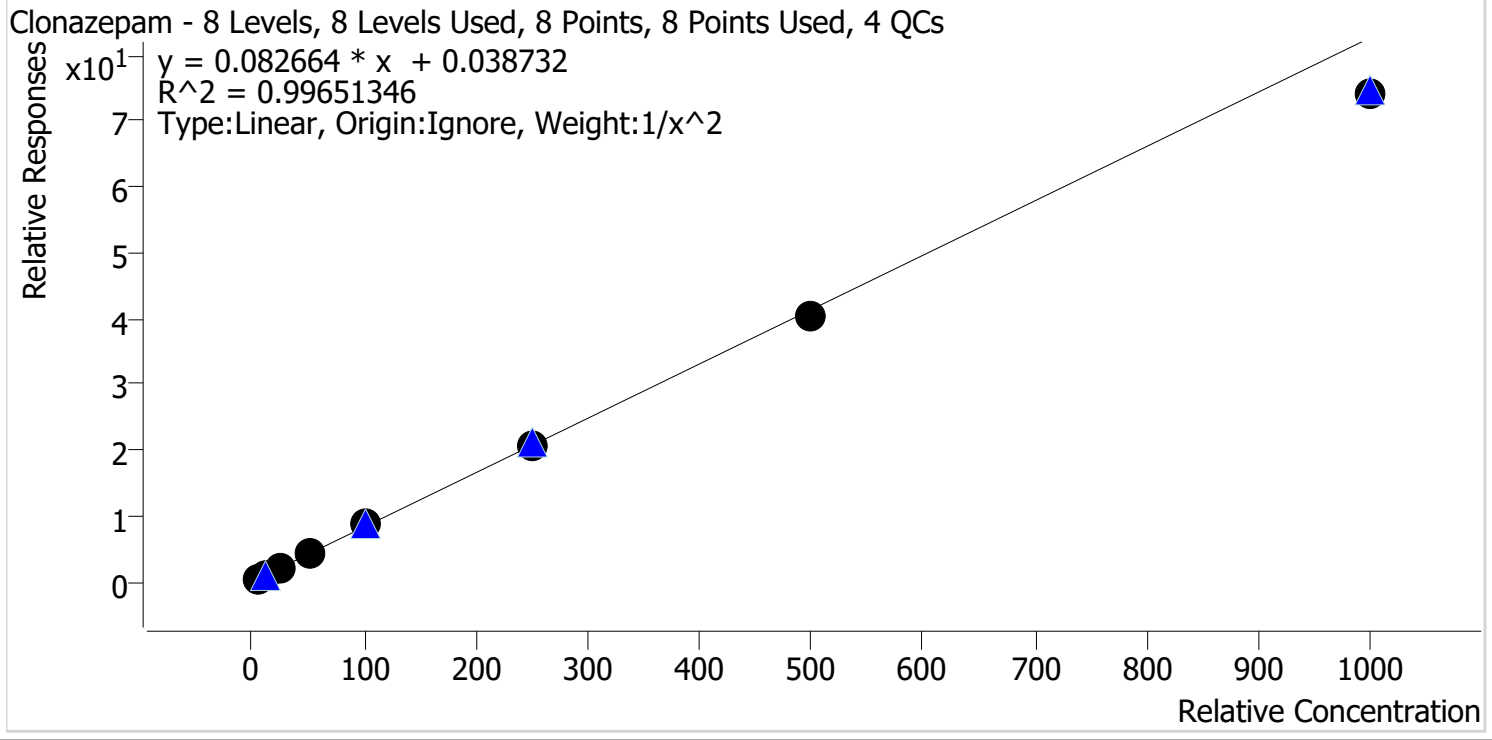


cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



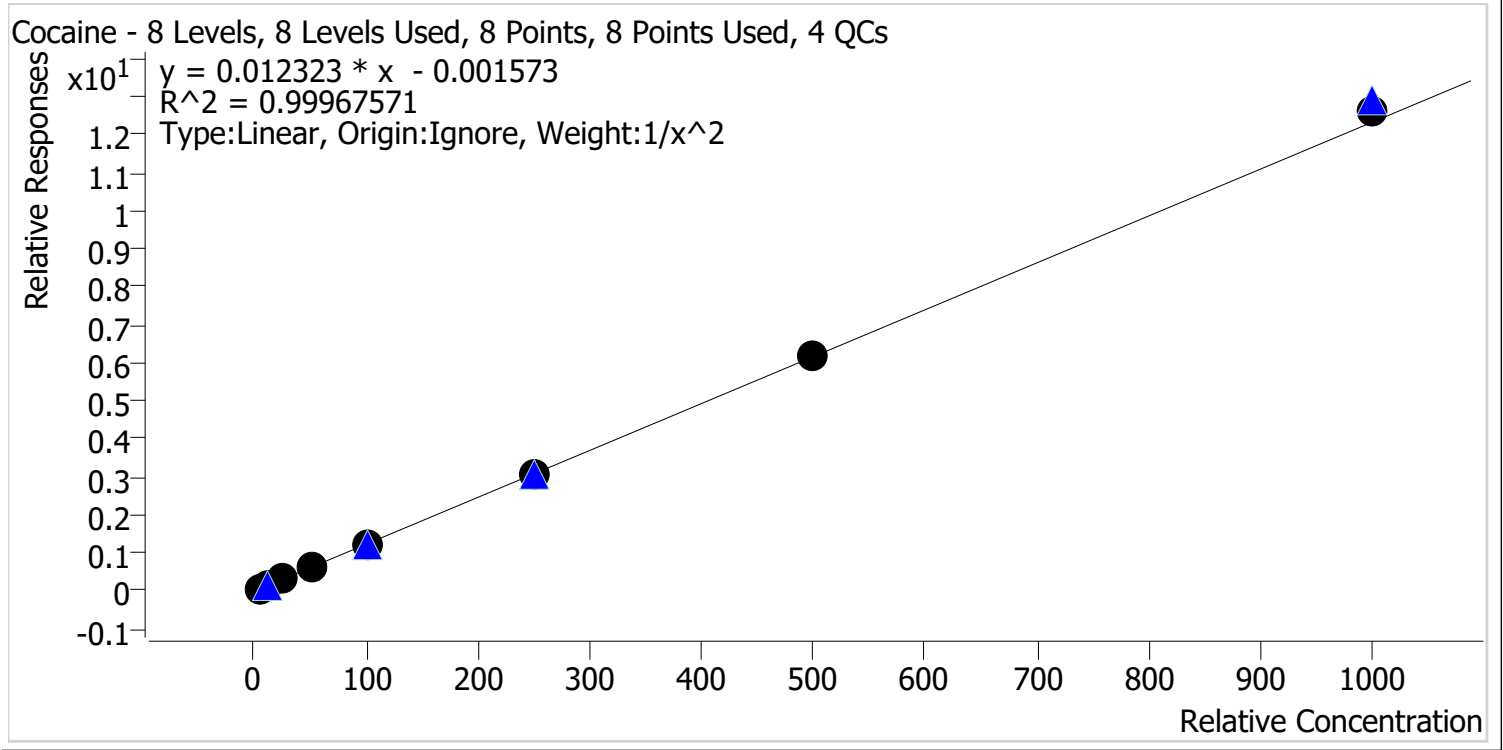
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	486.9	97.4
p1 Cal 8-1000ng	8	✓	1000.0	898.8	89.9

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	504.5	100.9
p1 Cal 8-1000ng	8	✓	1000.0	1023.0	102.3

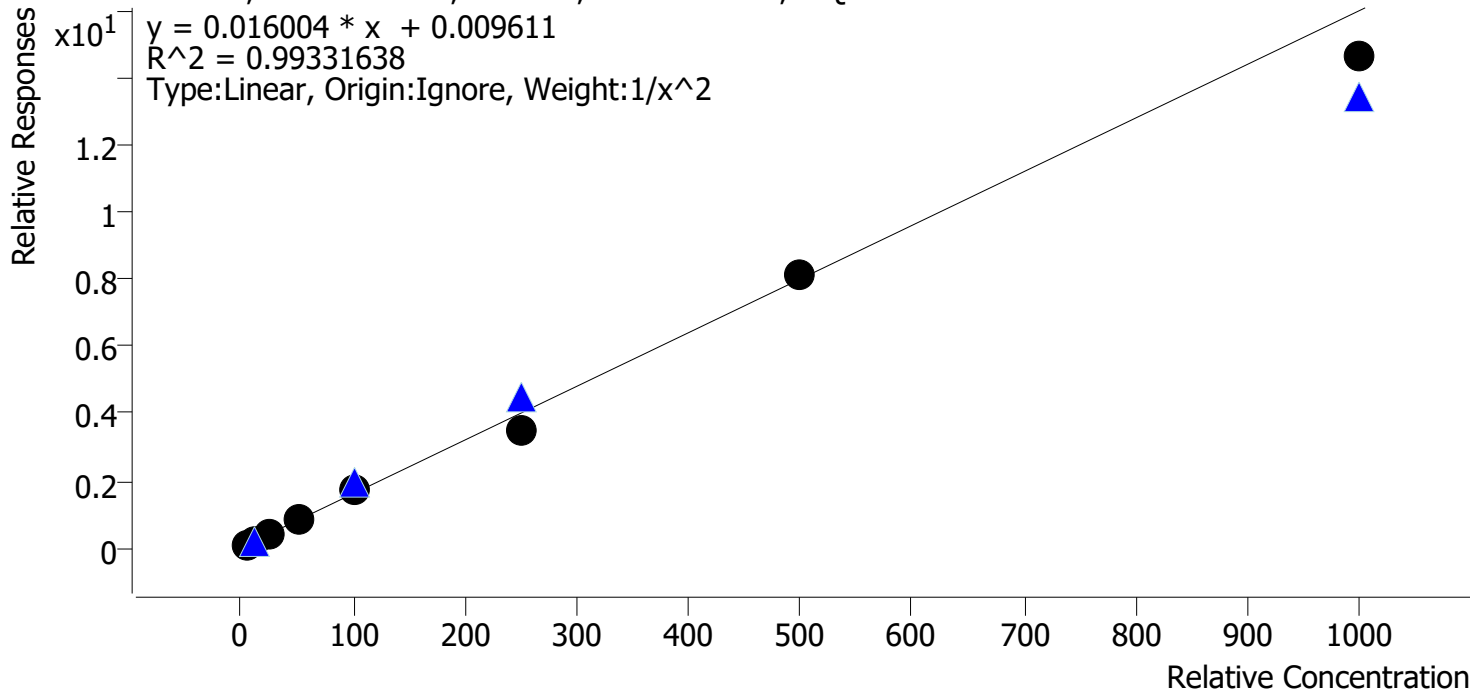
cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



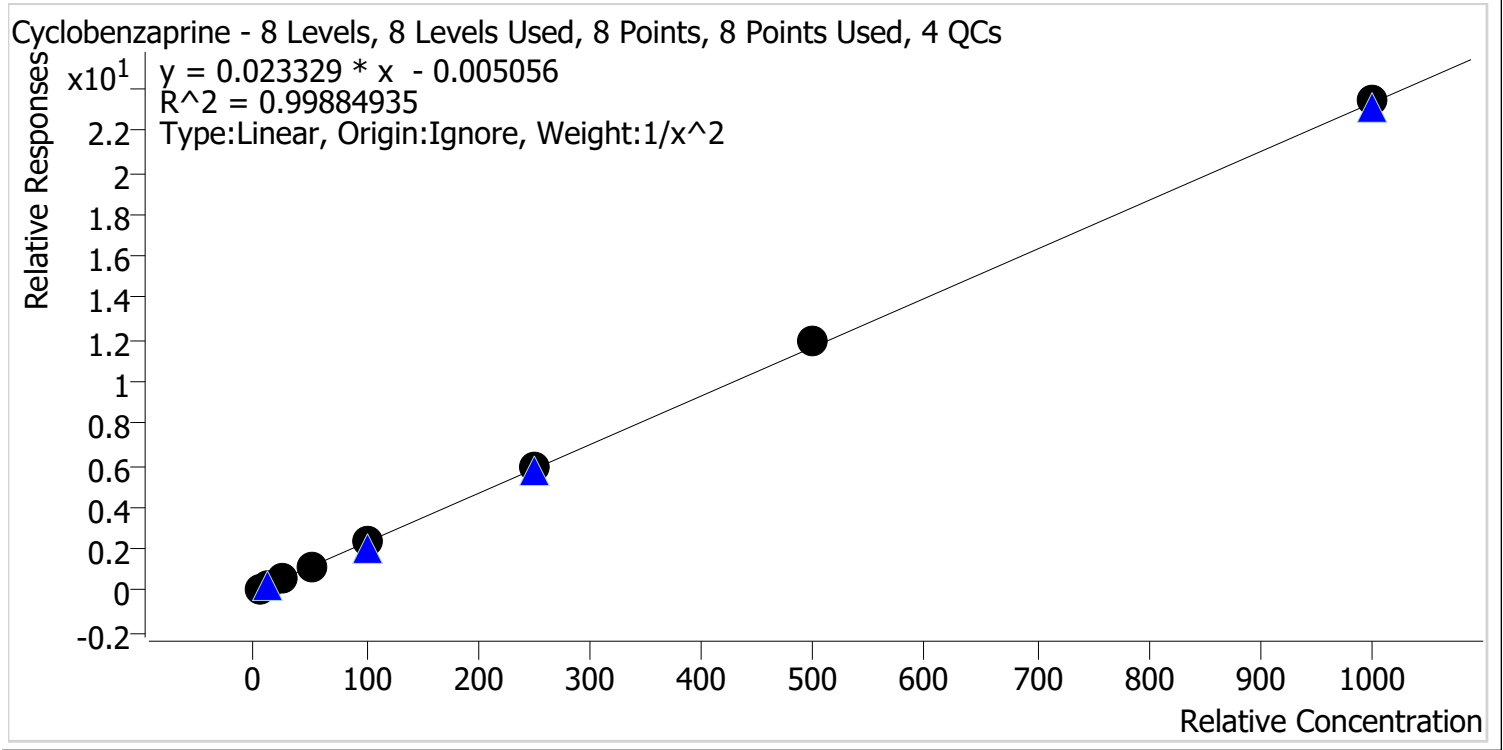
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	105.4	105.4
p1 Cal 6-250ng	6	✓	250.0	220.8	88.3
p1 Cal 7-500ng	7	✓	500.0	509.5	101.9
p1 Cal 8-1000ng	8	✓	1000.0	914.5	91.5

cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

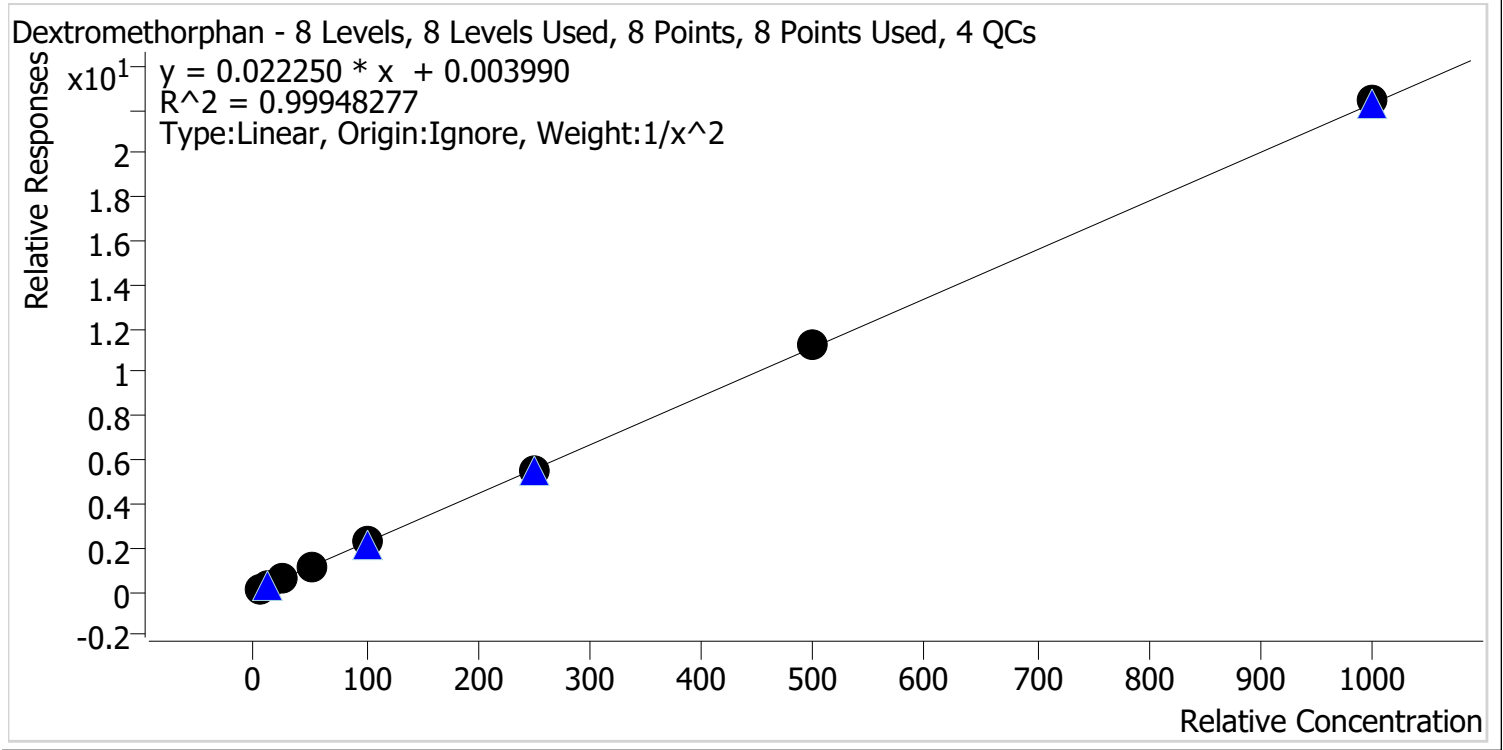


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.4	94.4
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	513.0	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1004.5	100.5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datator  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



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	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	504.4	100.9
p1 Cal 8-1000ng	8	✓	1000.0	1006.4	100.6

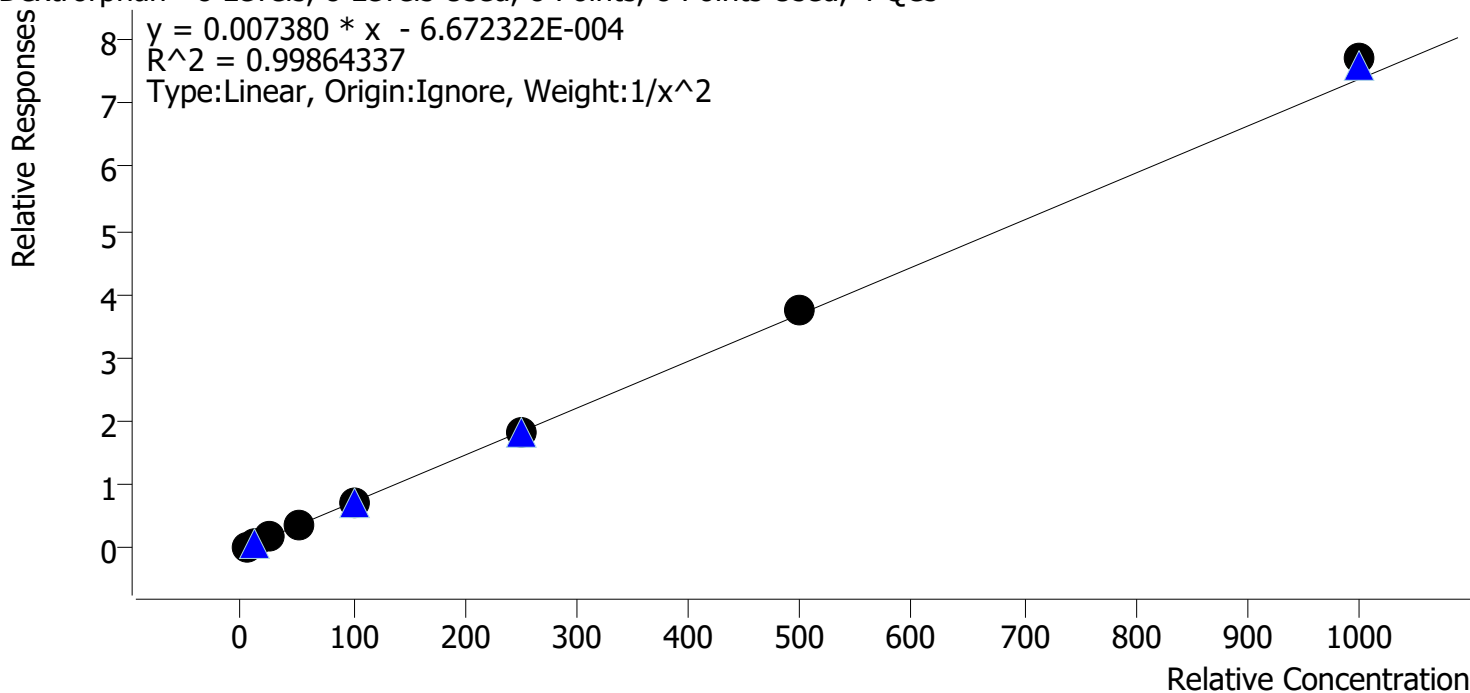
CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

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



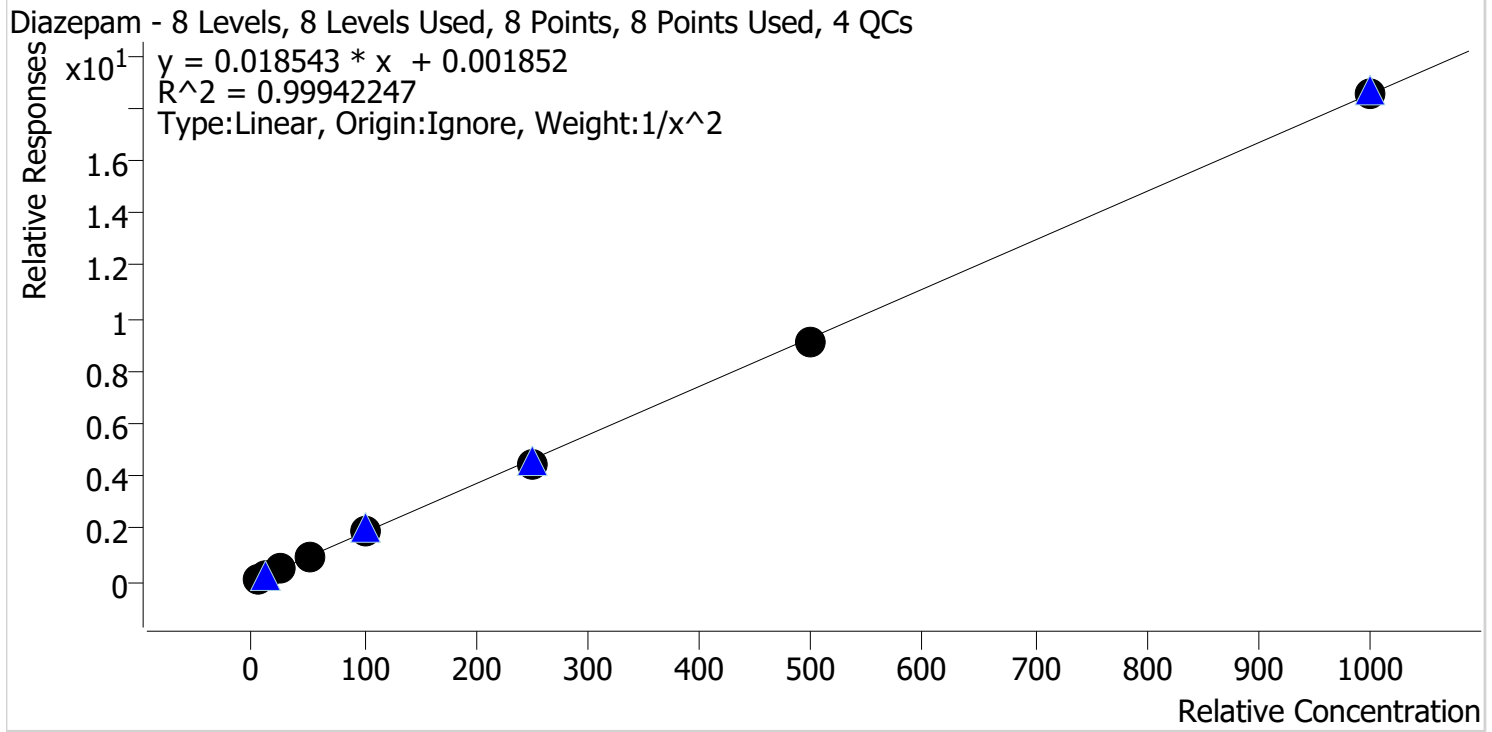
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.5	94.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	512.4	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1043.8	104.4

5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



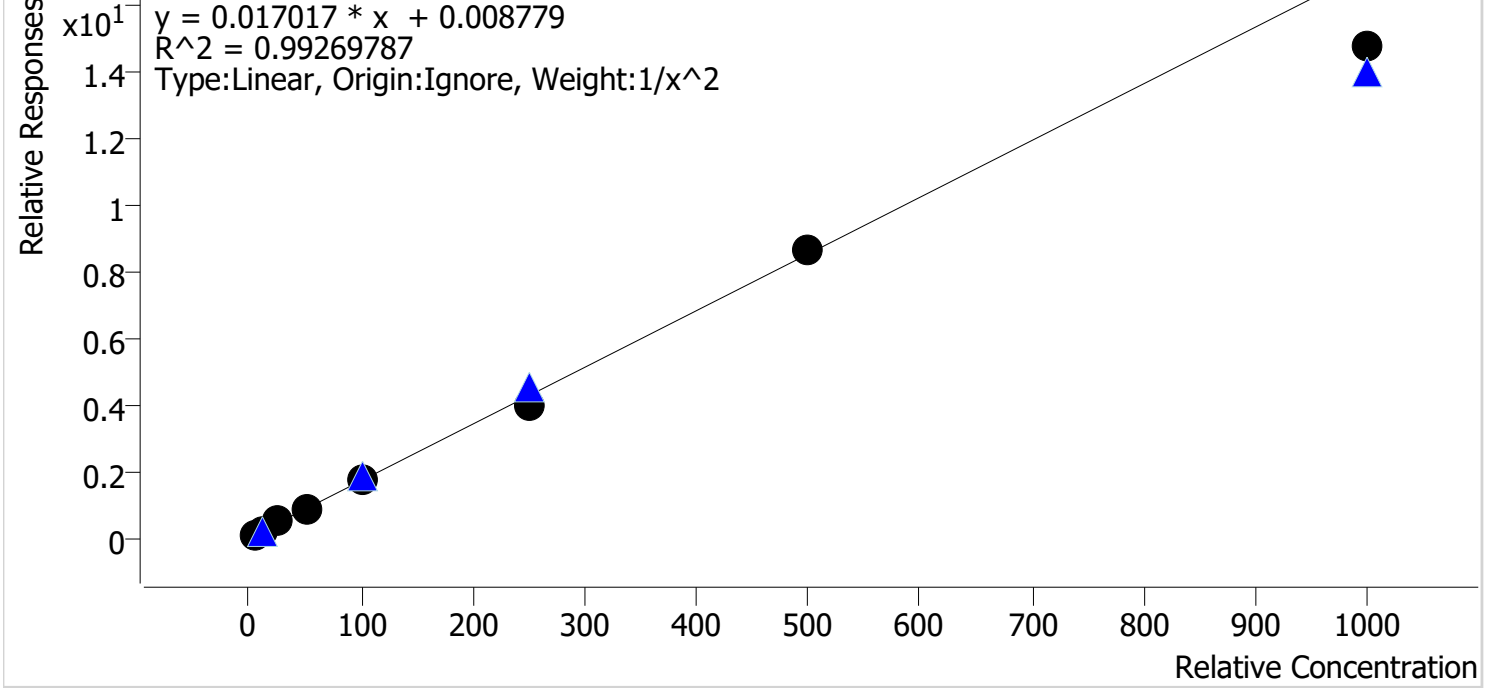
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	243.4	97.4
p1 Cal 7-500ng	7	✓	500.0	489.9	98.0
p1 Cal 8-1000ng	8	✓	1000.0	998.9	99.9



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



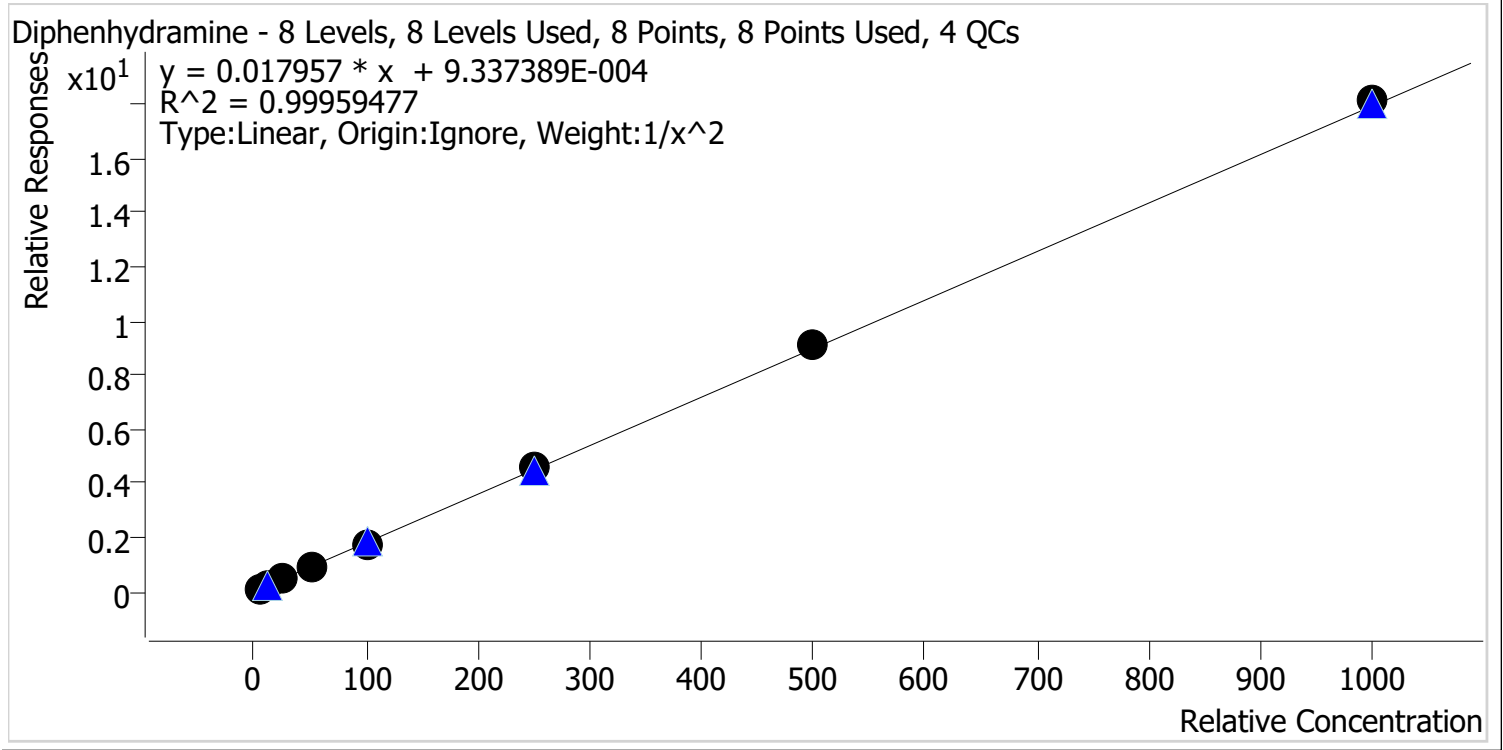
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.4
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	233.0	93.2
p1 Cal 7-500ng	7	✓	500.0	508.8	101.8
p1 Cal 8-1000ng	8	✓	1000.0	865.7	86.6





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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

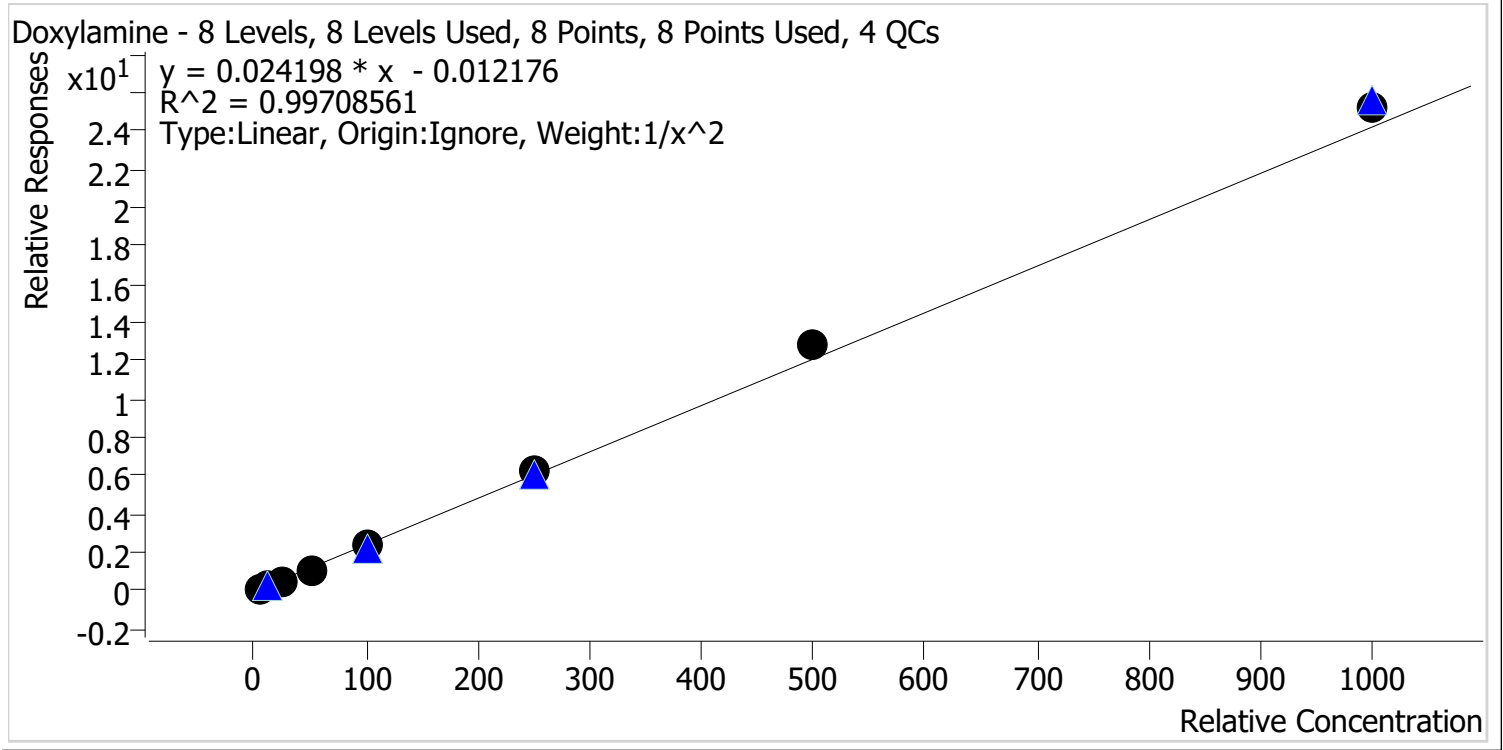


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	507.4	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1011.4	101.1



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

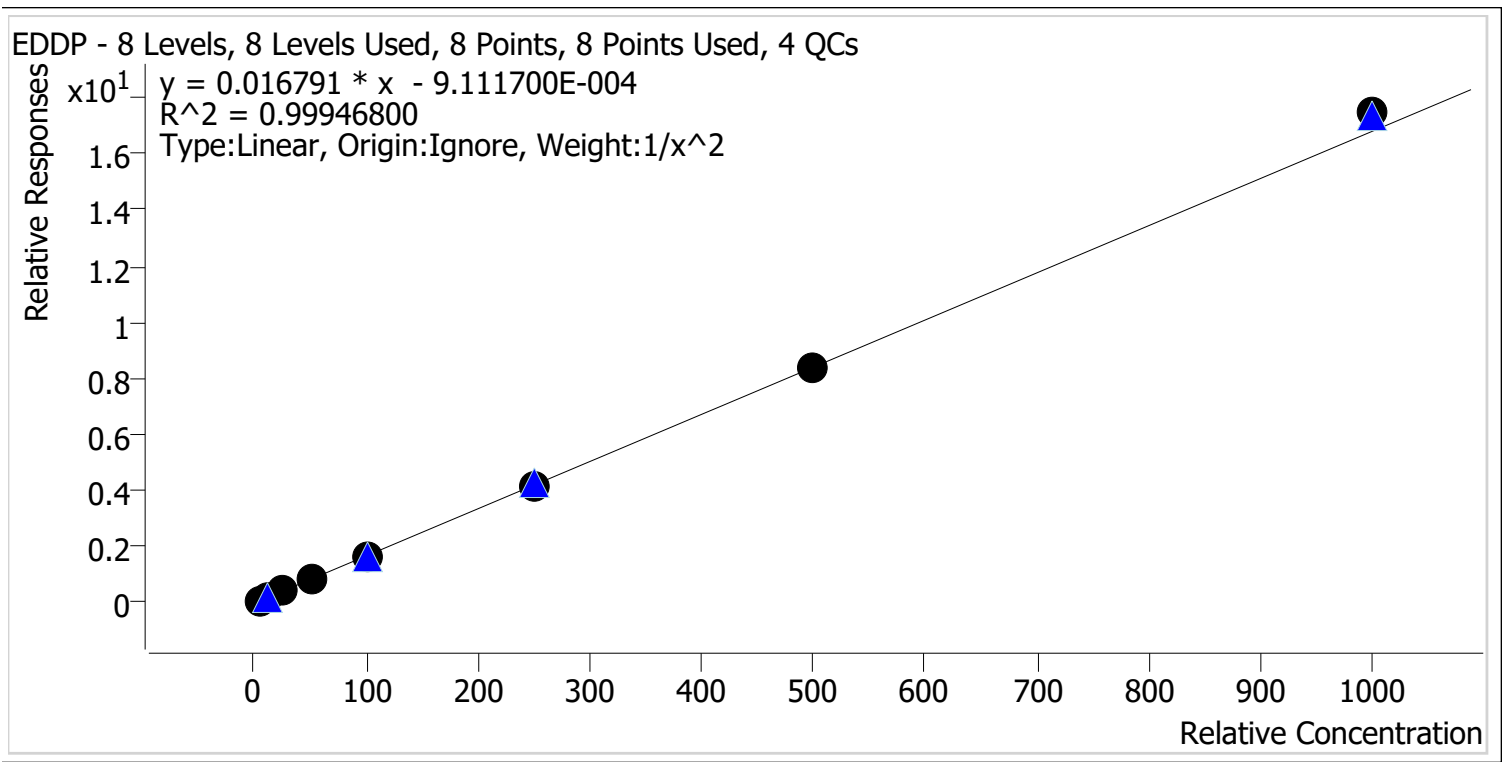


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.2
p1 Cal 2-10ng	2	✓	10.0	9.5	94.6
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	47.4	94.9
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	527.5	105.5
p1 Cal 8-1000ng	8	✓	1000.0	1041.3	104.1



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 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	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	248.1	99.3
p1 Cal 7-500ng	7	✓	500.0	501.7	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1039.7	104.0

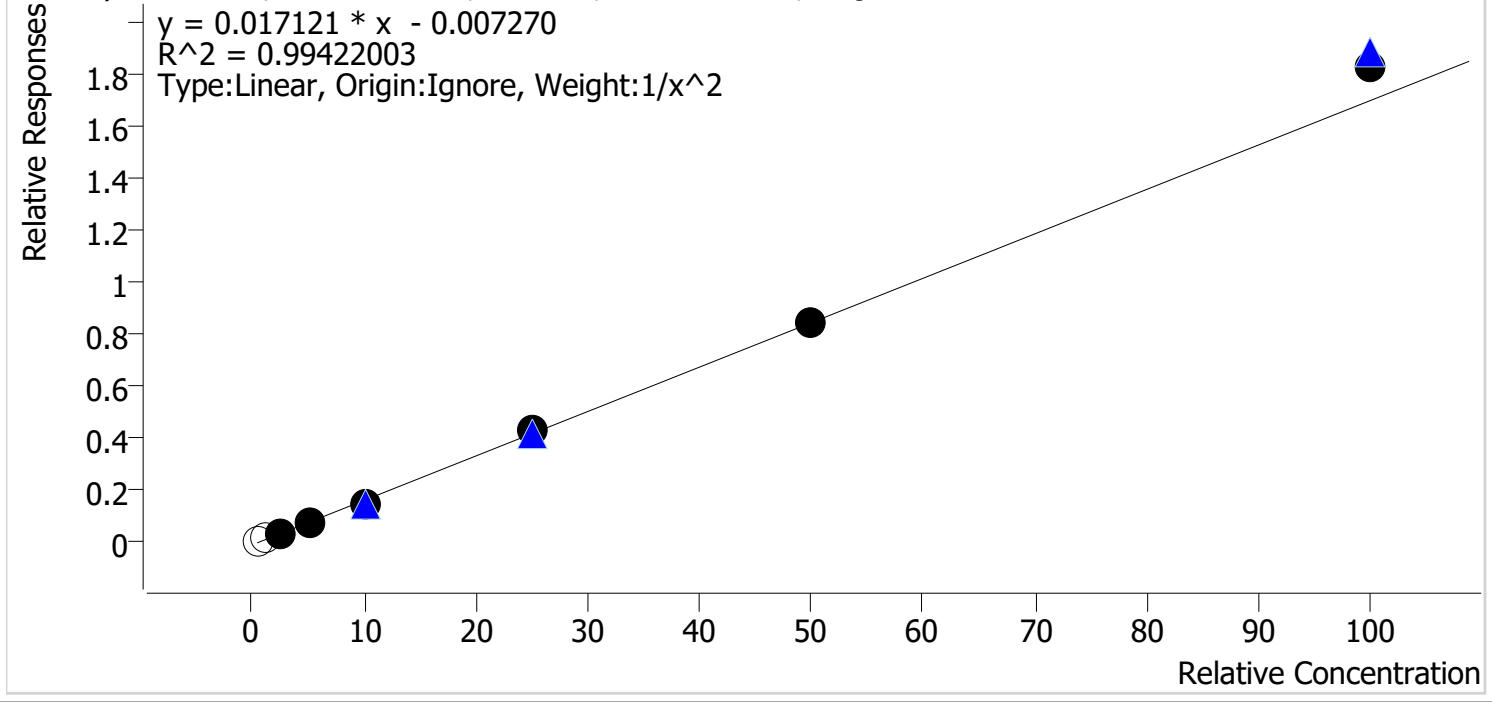
CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



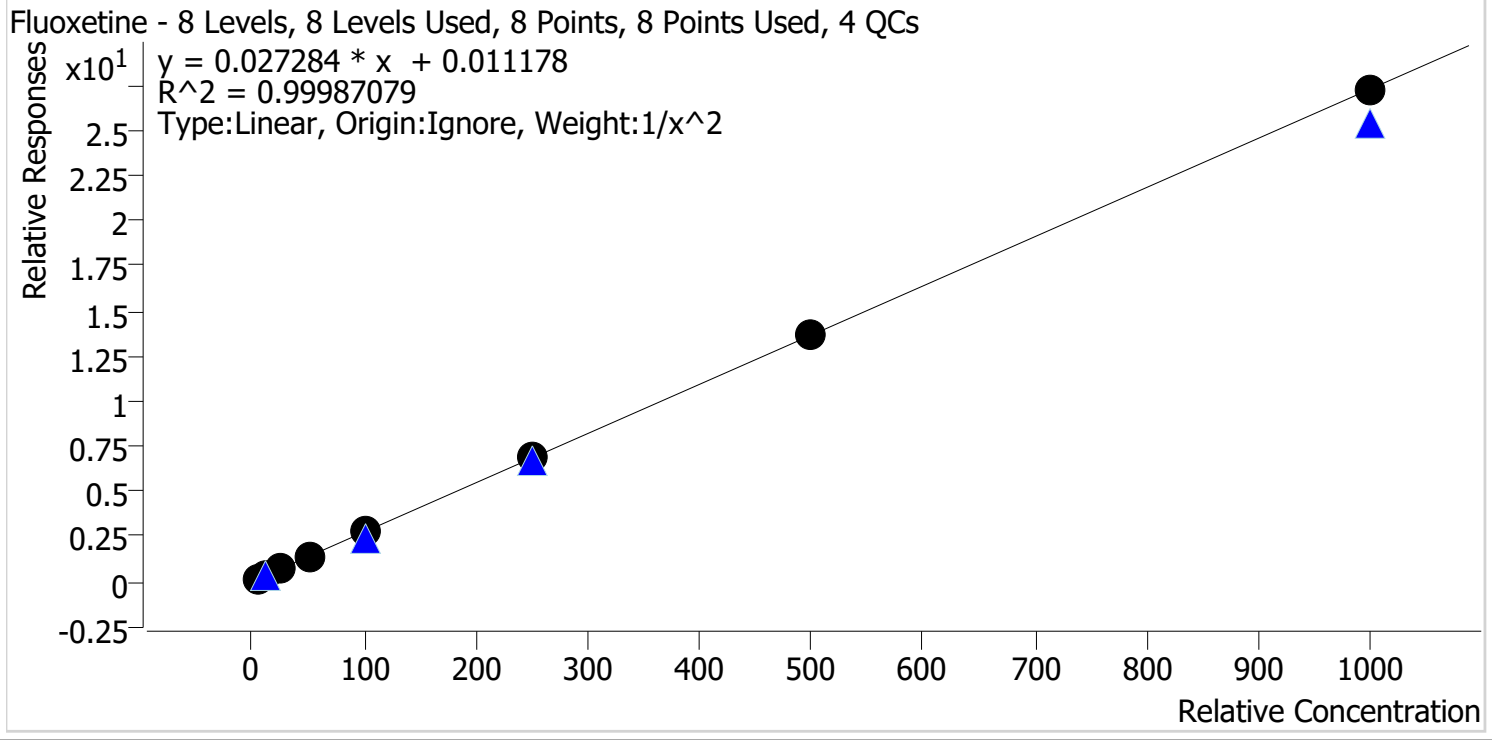
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.9	182.5
p1 Cal 2-10ng	2	x	1.0	1.3	131.7
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.2
p1 Cal 4-50ng	4	✓	5.0	4.6	91.9
p1 Cal 5-100ng	5	✓	10.0	9.4	94.1
p1 Cal 6-250ng	6	✓	25.0	25.5	101.8
p1 Cal 7-500ng	7	✓	50.0	49.8	99.6
p1 Cal 8-1000ng	8	✓	100.0	107.4	107.4

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



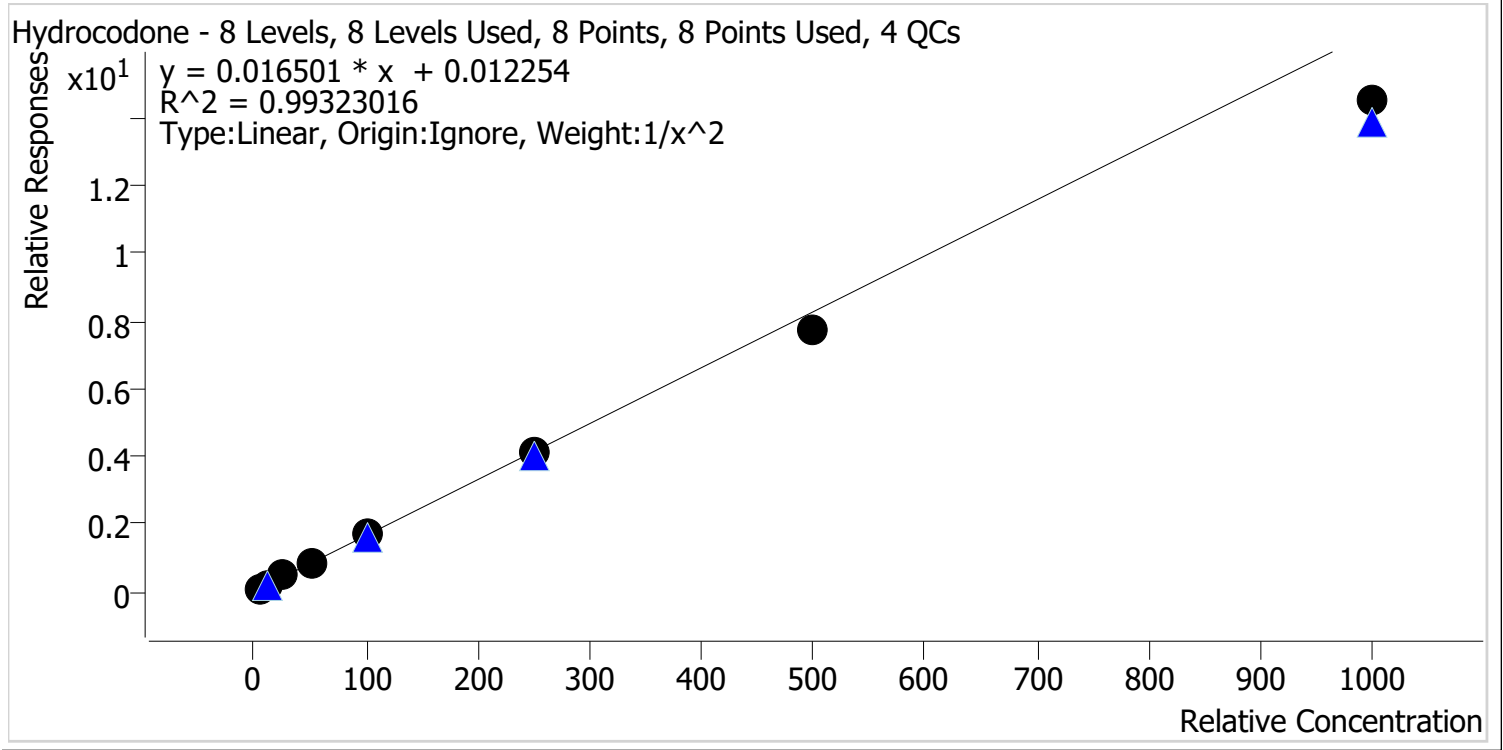
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	50.8	101.7
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	498.1	99.6
p1 Cal 8-1000ng	8	✓	1000.0	996.9	99.7

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

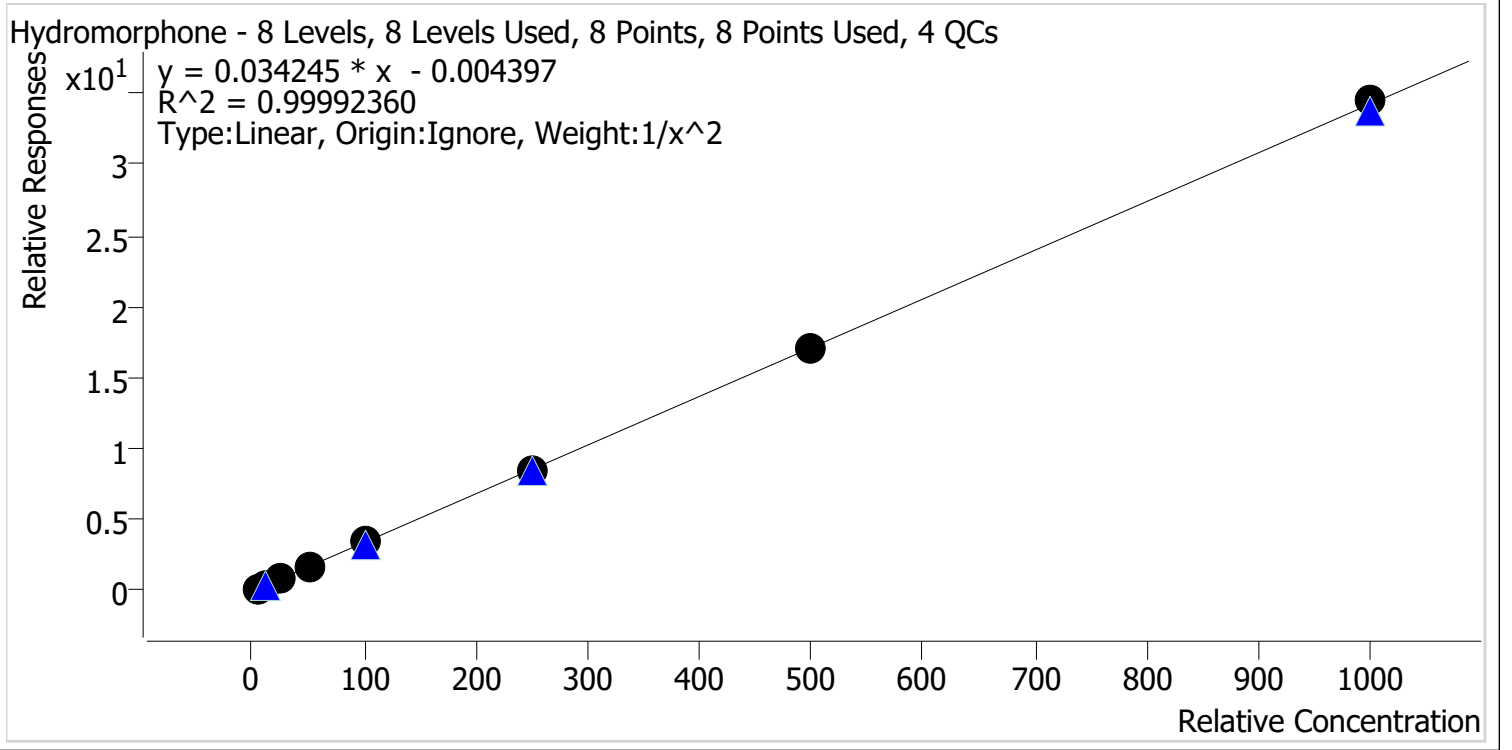


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.5
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	464.7	92.9
p1 Cal 8-1000ng	8	✓	1000.0	877.4	87.7



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6



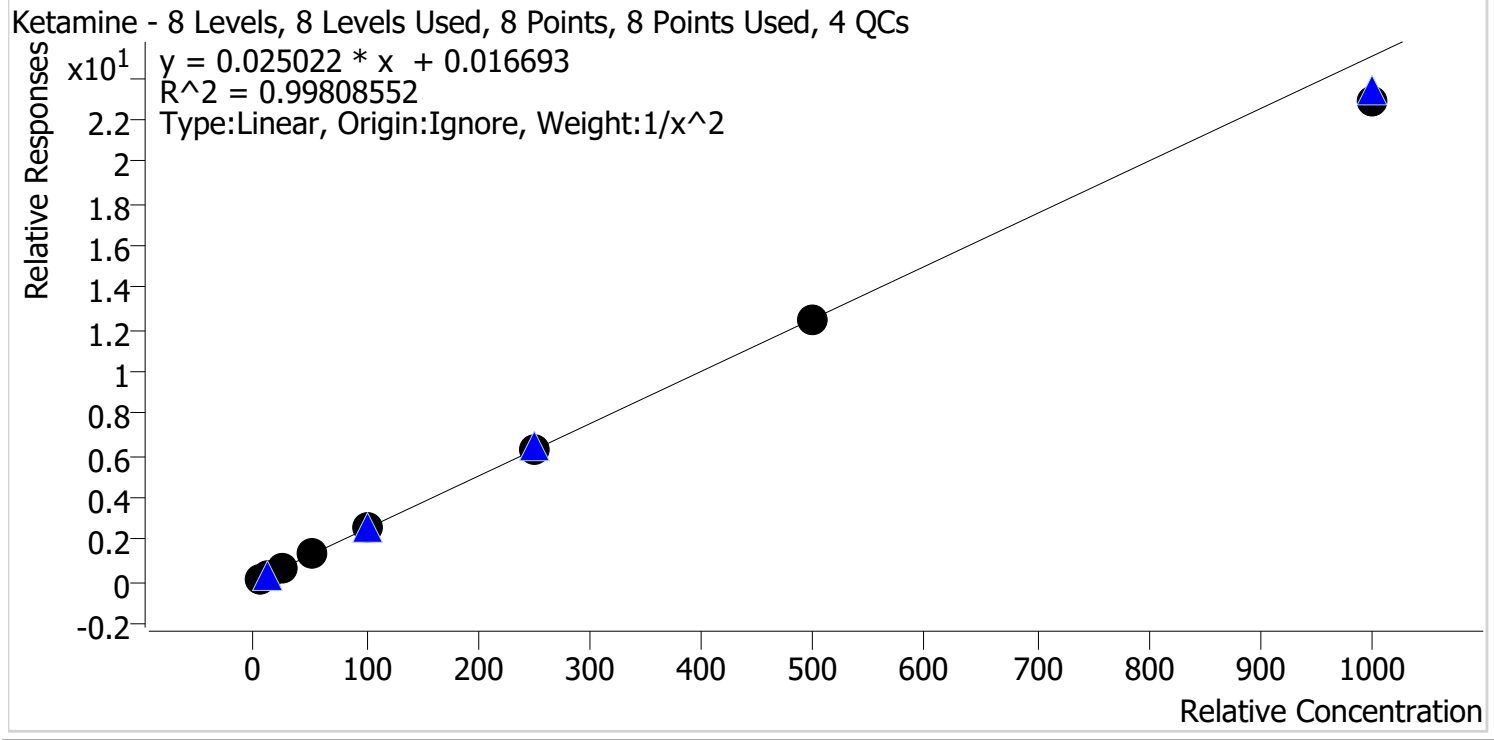
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	248.6	99.5
p1 Cal 7-500ng	7	✓	500.0	500.8	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1007.3	100.7

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	248.9	99.5
p1 Cal 7-500ng	7	✓	500.0	500.0	100.0
p1 Cal 8-1000ng	8	✓	1000.0	917.2	91.7

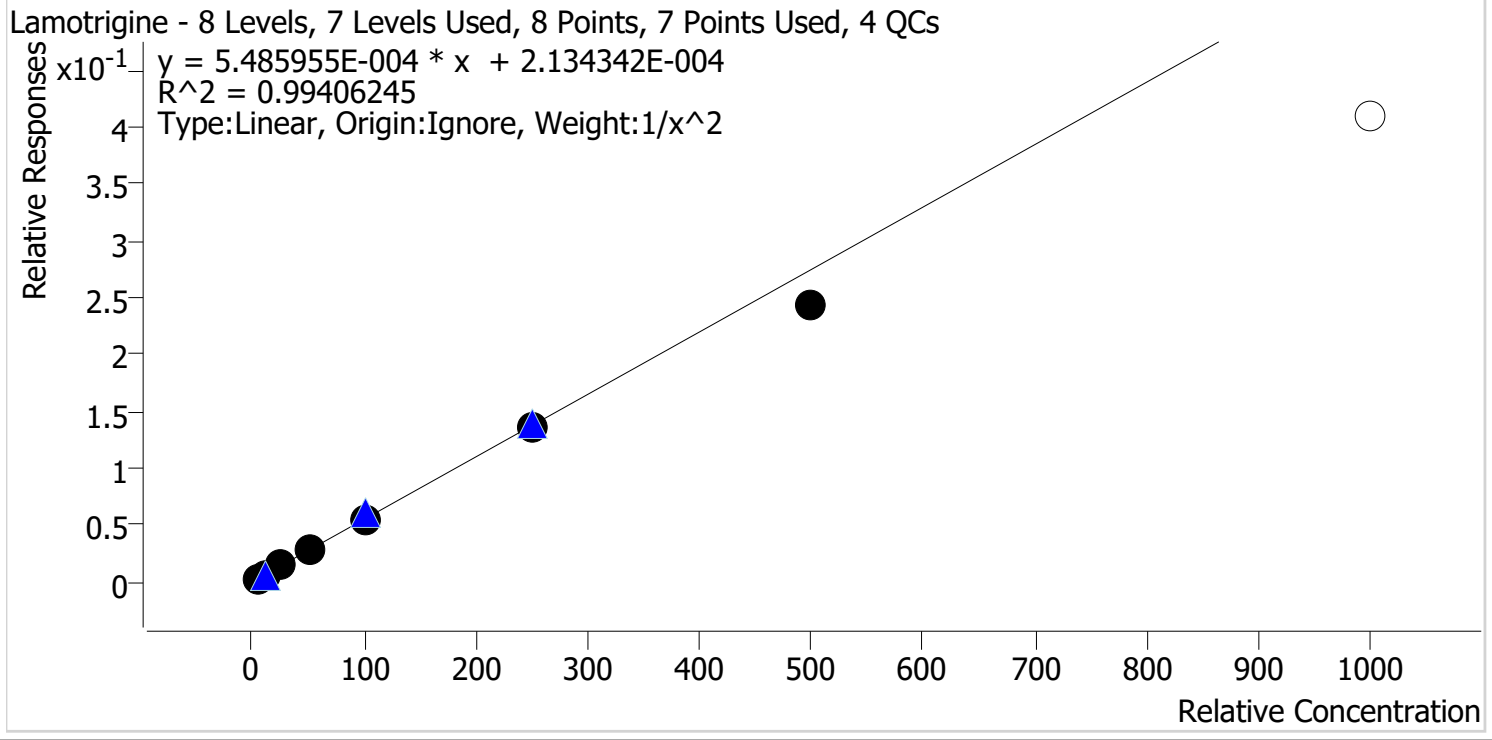


CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lamotrigine **Internal Standard** Pseudoephedrine-D3



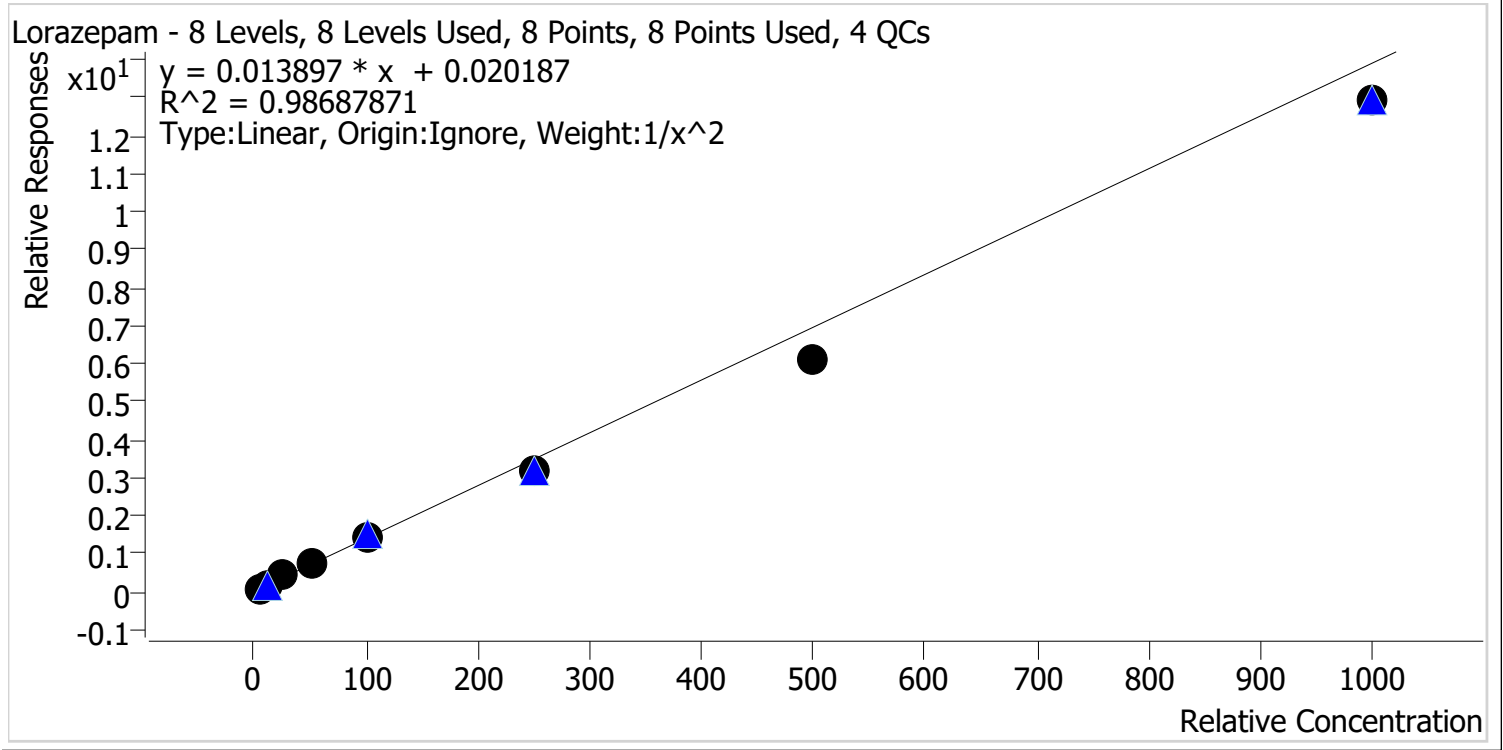
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	53.8	107.5
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	443.7	88.7
p1 Cal 8-1000ng	8	✗	1000.0	744.5	74.4

cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5

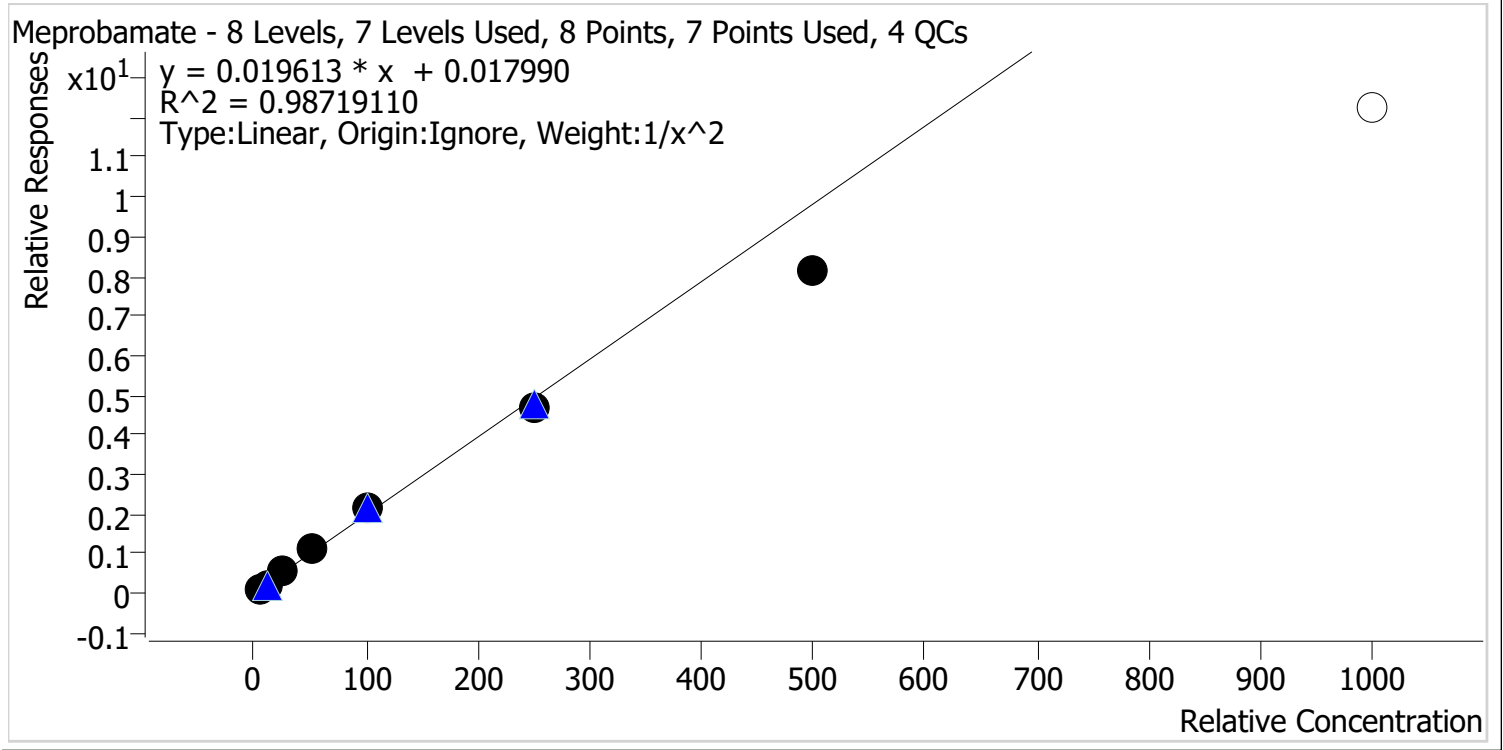


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	28.5	114.1
p1 Cal 4-50ng	4	✓	50.0	56.2	112.3
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	226.2	90.5
p1 Cal 7-500ng	7	✓	500.0	439.6	87.9
p1 Cal 8-1000ng	8	✓	1000.0	929.1	92.9



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



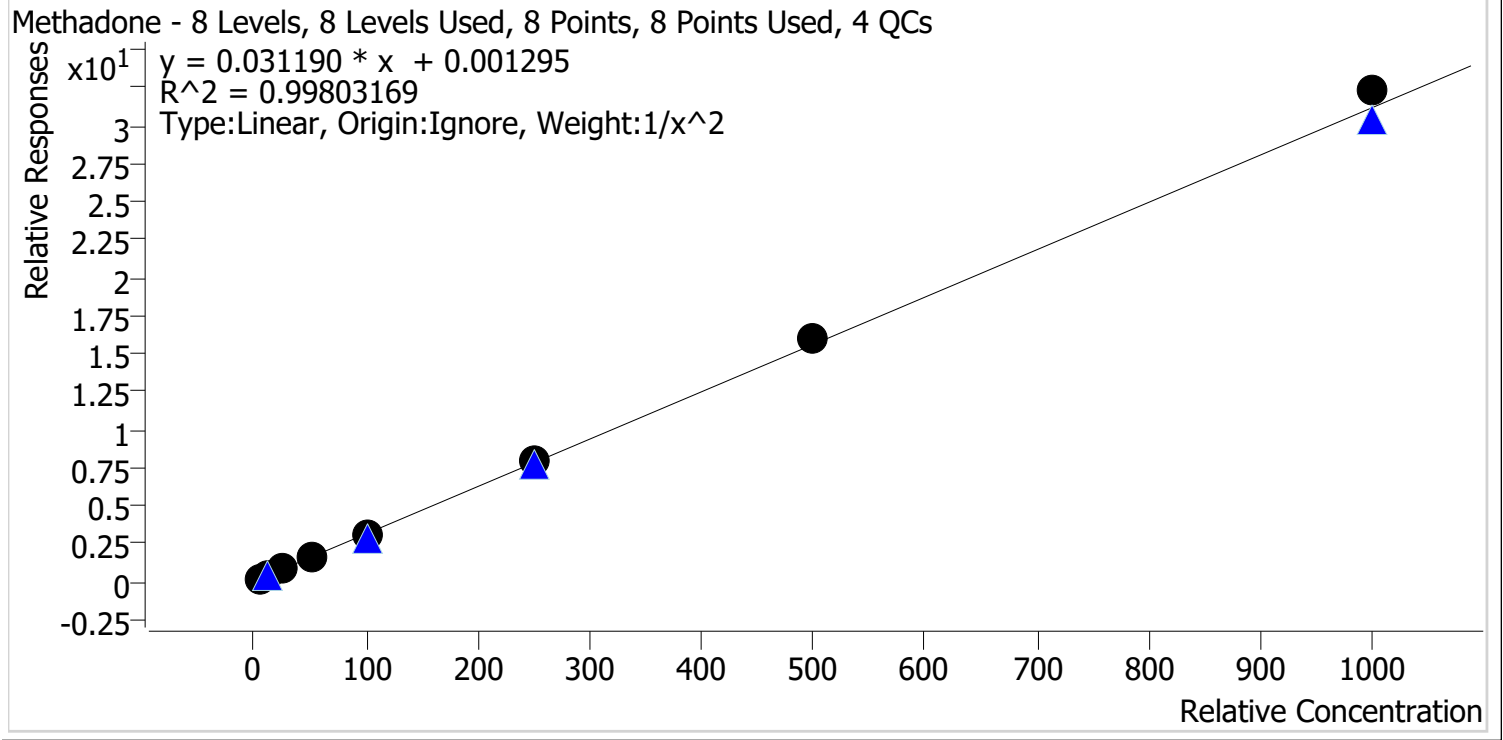
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.7
p1 Cal 4-50ng	4	✓	50.0	54.3	108.5
p1 Cal 5-100ng	5	✓	100.0	107.1	107.1
p1 Cal 6-250ng	6	✓	250.0	236.3	94.5
p1 Cal 7-500ng	7	✓	500.0	412.7	82.5
p1 Cal 8-1000ng	8	✗	1000.0	624.2	62.4

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

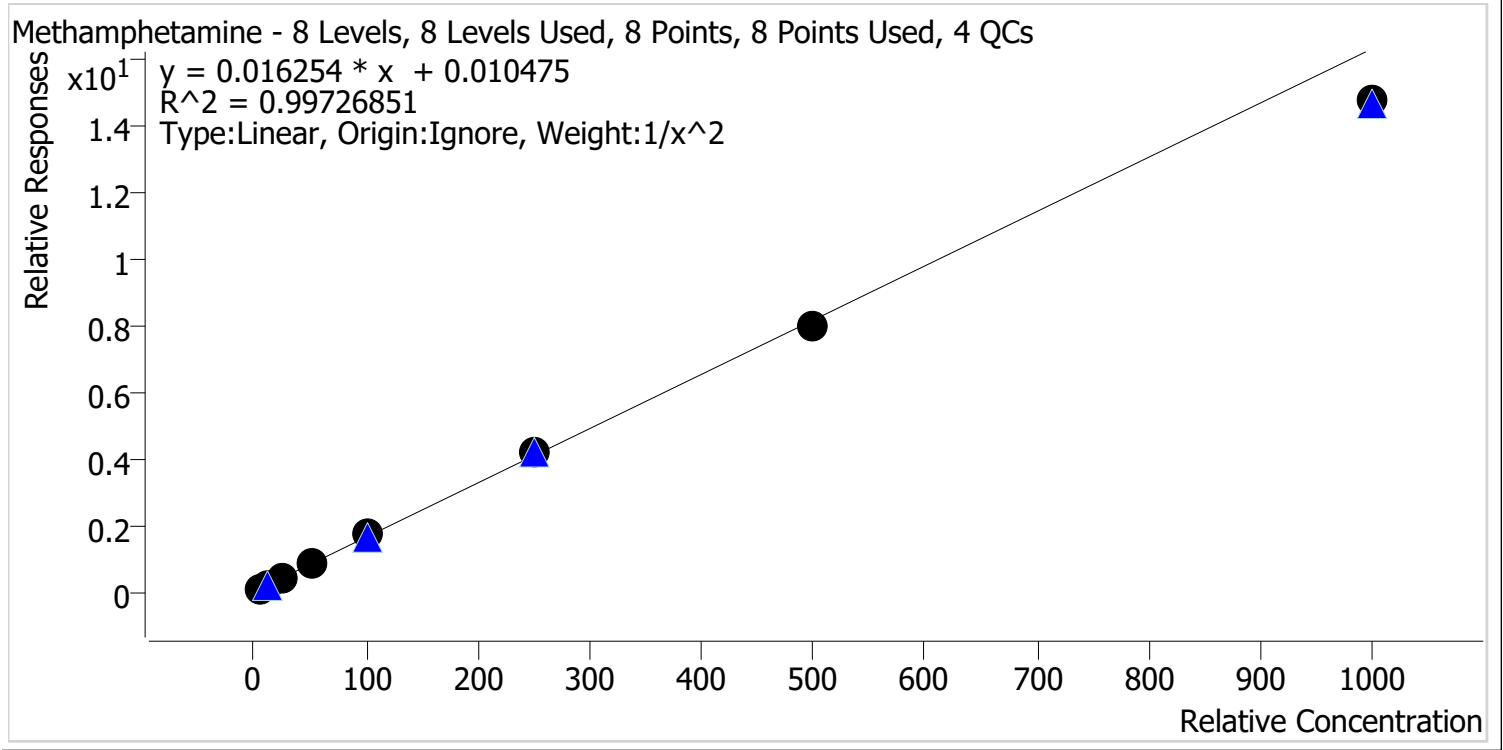


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	257.7	103.1
p1 Cal 7-500ng	7	✓	500.0	512.3	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1036.1	103.6



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



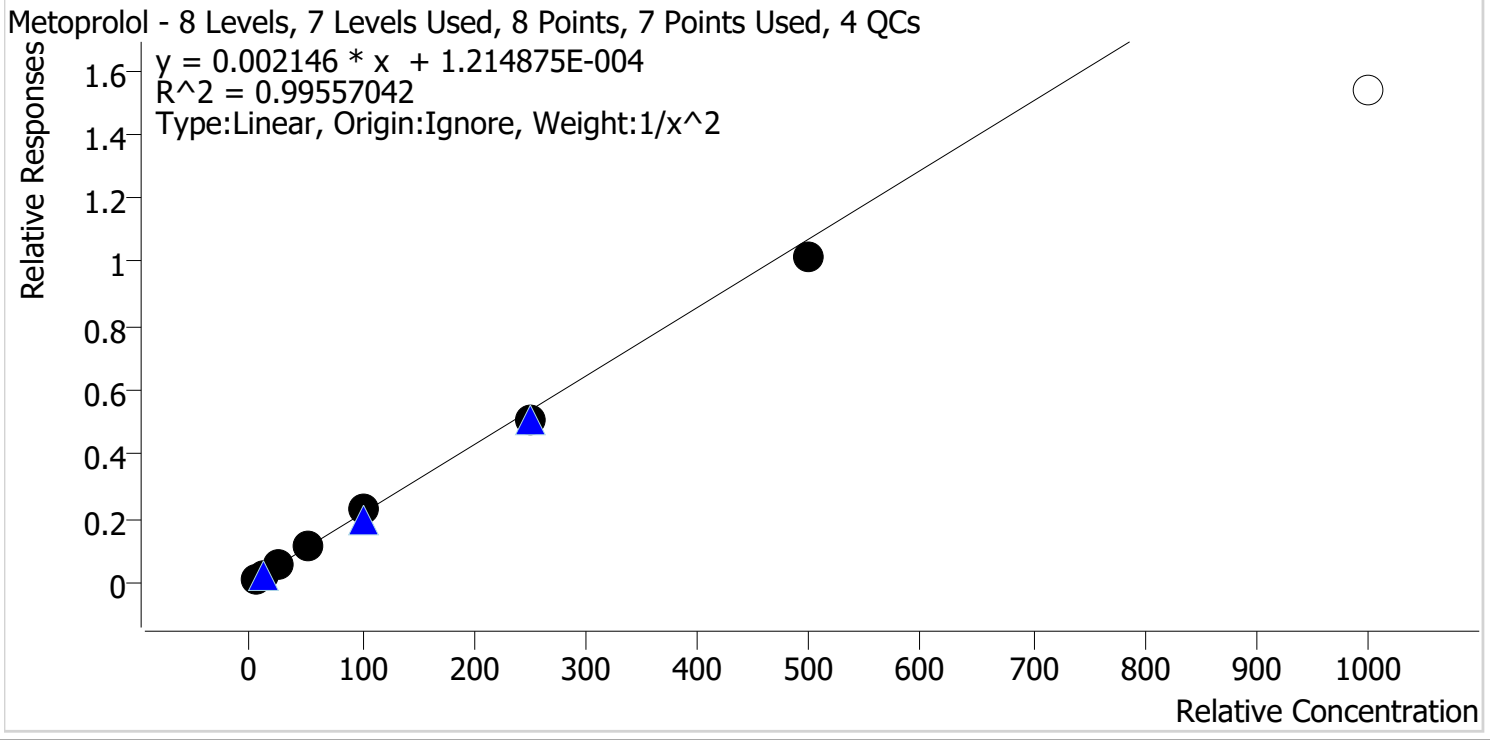
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	491.7	98.3
p1 Cal 8-1000ng	8	✓	1000.0	904.5	90.4

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



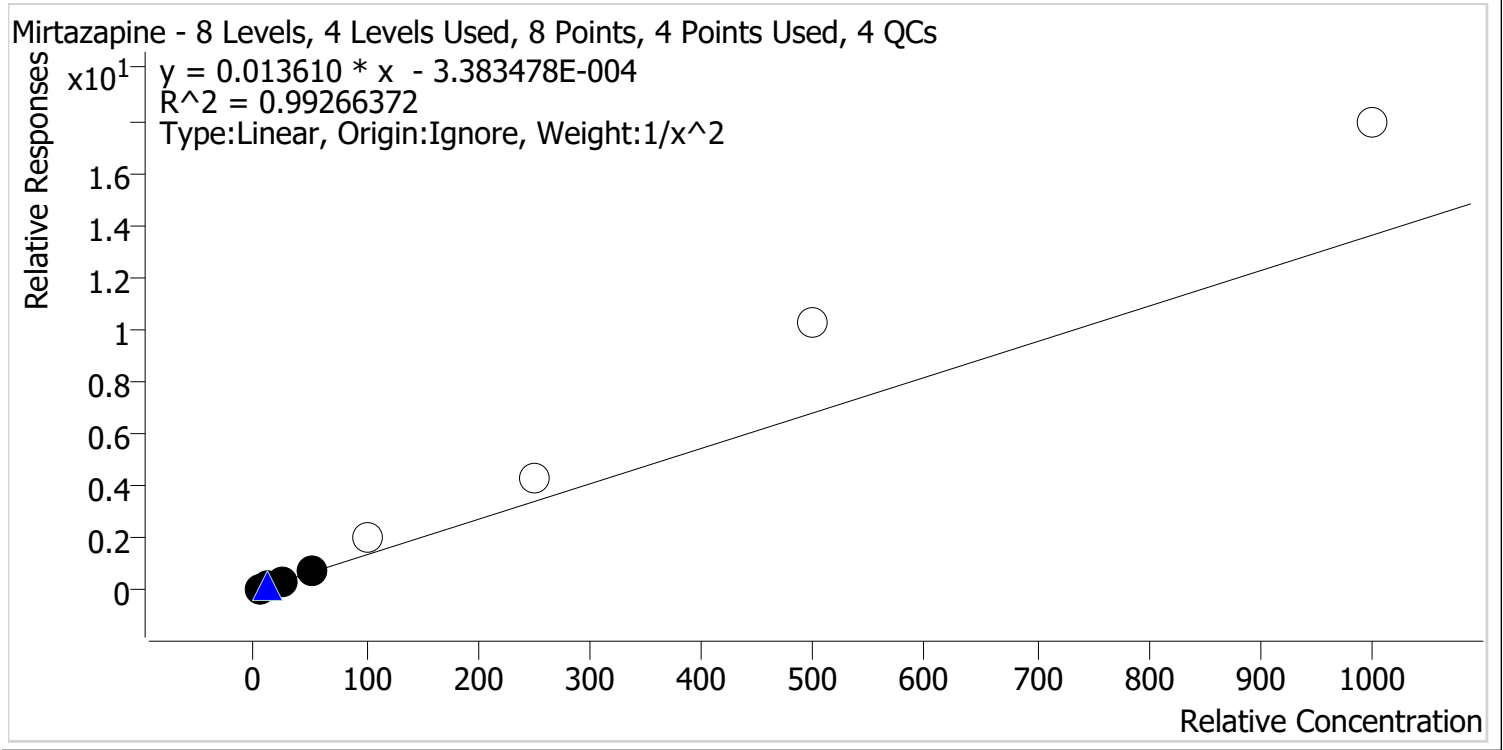
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.5	95.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	108.2	108.2
p1 Cal 6-250ng	6	✓	250.0	238.7	95.5
p1 Cal 7-500ng	7	✓	500.0	472.4	94.5
p1 Cal 8-1000ng	8	✗	1000.0	715.6	71.6

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-D8



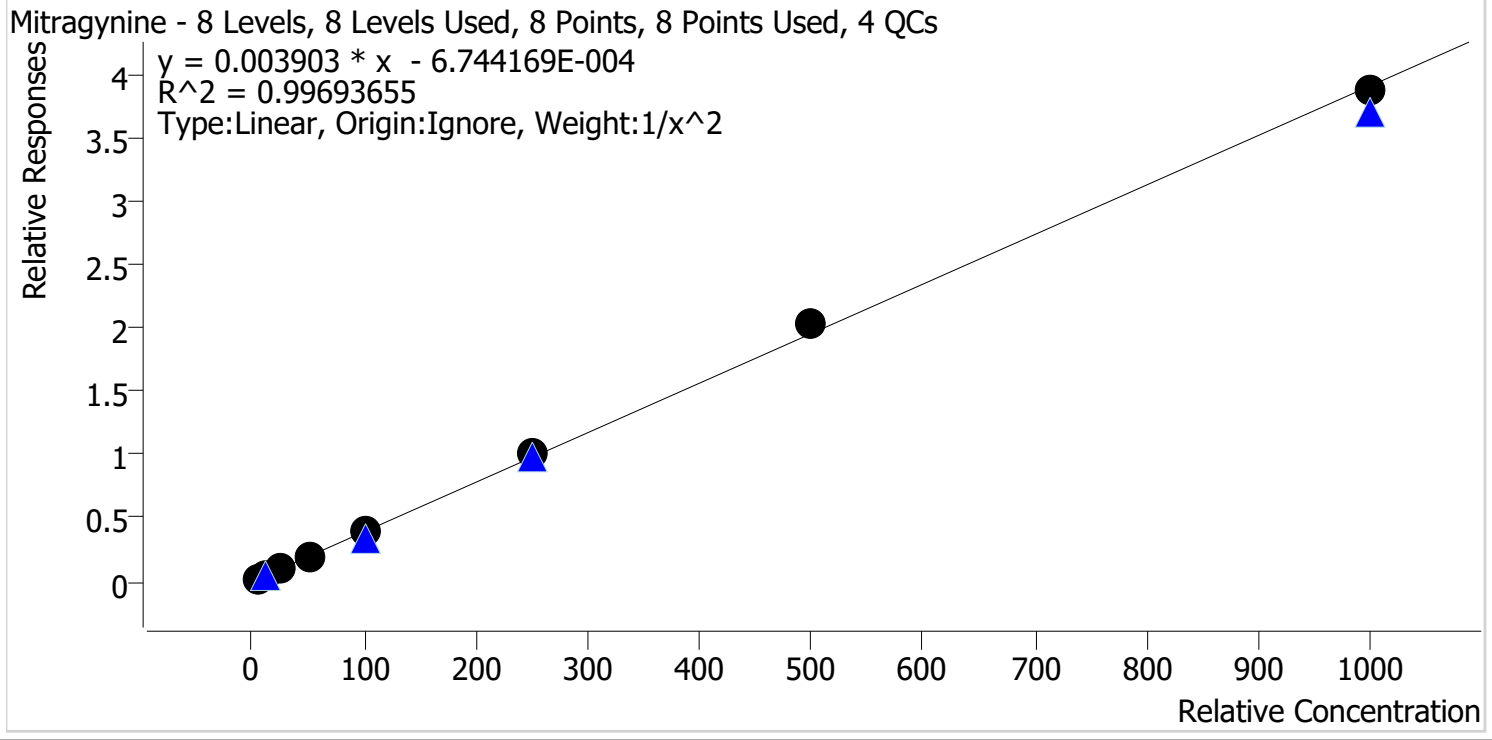
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.1
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	x	100.0	150.9	150.9
p1 Cal 6-250ng	6	x	250.0	320.8	128.3
p1 Cal 7-500ng	7	x	500.0	752.2	150.4
p1 Cal 8-1000ng	8	x	1000.0	1317.8	131.8

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



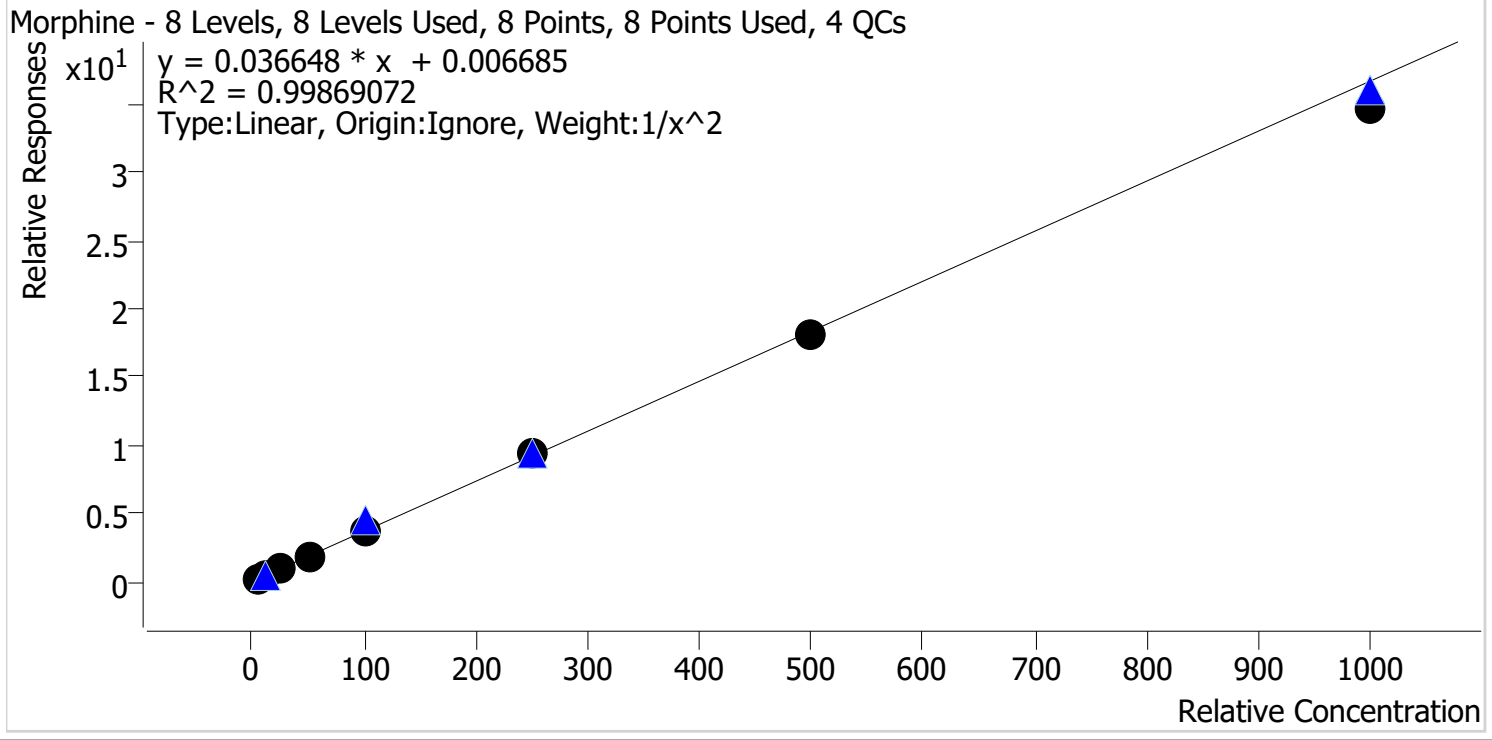
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	105.0
p1 Cal 2-10ng	2	✓	10.0	9.2	92.0
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	522.5	104.5
p1 Cal 8-1000ng	8	✓	1000.0	990.5	99.1





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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	252.9	101.1
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	944.9	94.5

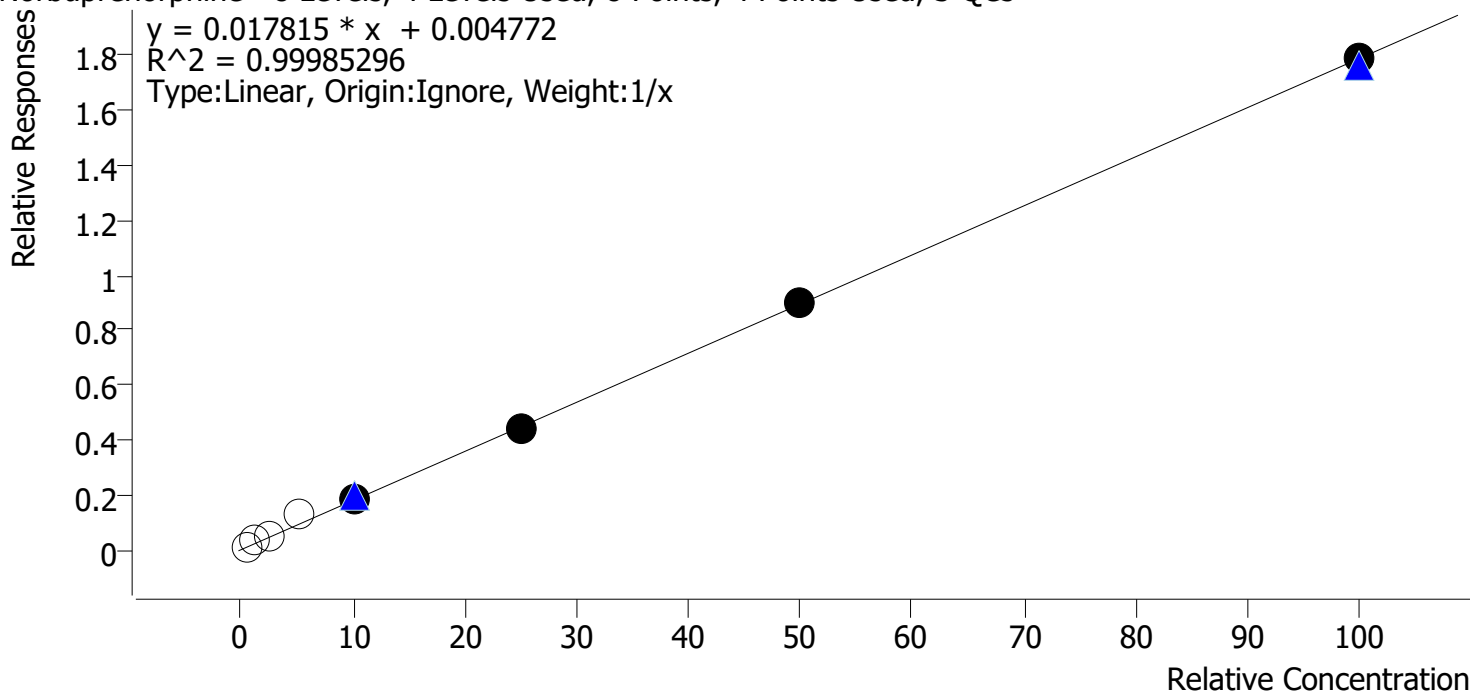
CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 4 Levels Used, 8 Points, 4 Points Used, 3 QCs

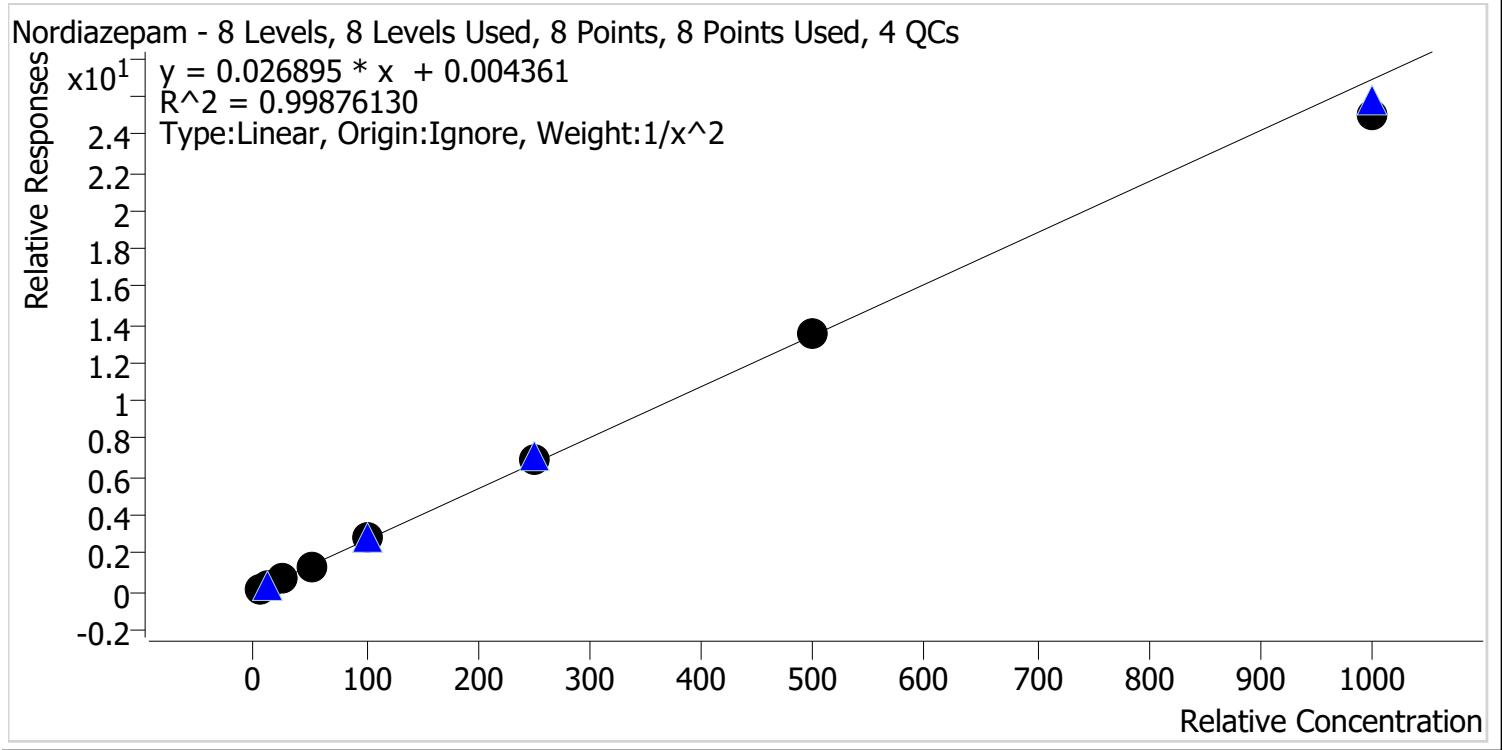


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.6	114.9
p1 Cal 2-10ng	2	x	1.0	1.6	162.1
p1 Cal 3 -25ng	3	x	2.5	2.8	111.0
p1 Cal 4-50ng	4	x	5.0	7.5	150.9
p1 Cal 5-100ng	5	✓	10.0	10.1	101.2
p1 Cal 6-250ng	6	✓	25.0	24.5	98.1
p1 Cal 7-500ng	7	✓	50.0	50.4	100.7
p1 Cal 8-1000ng	8	✓	100.0	100.0	100.0



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



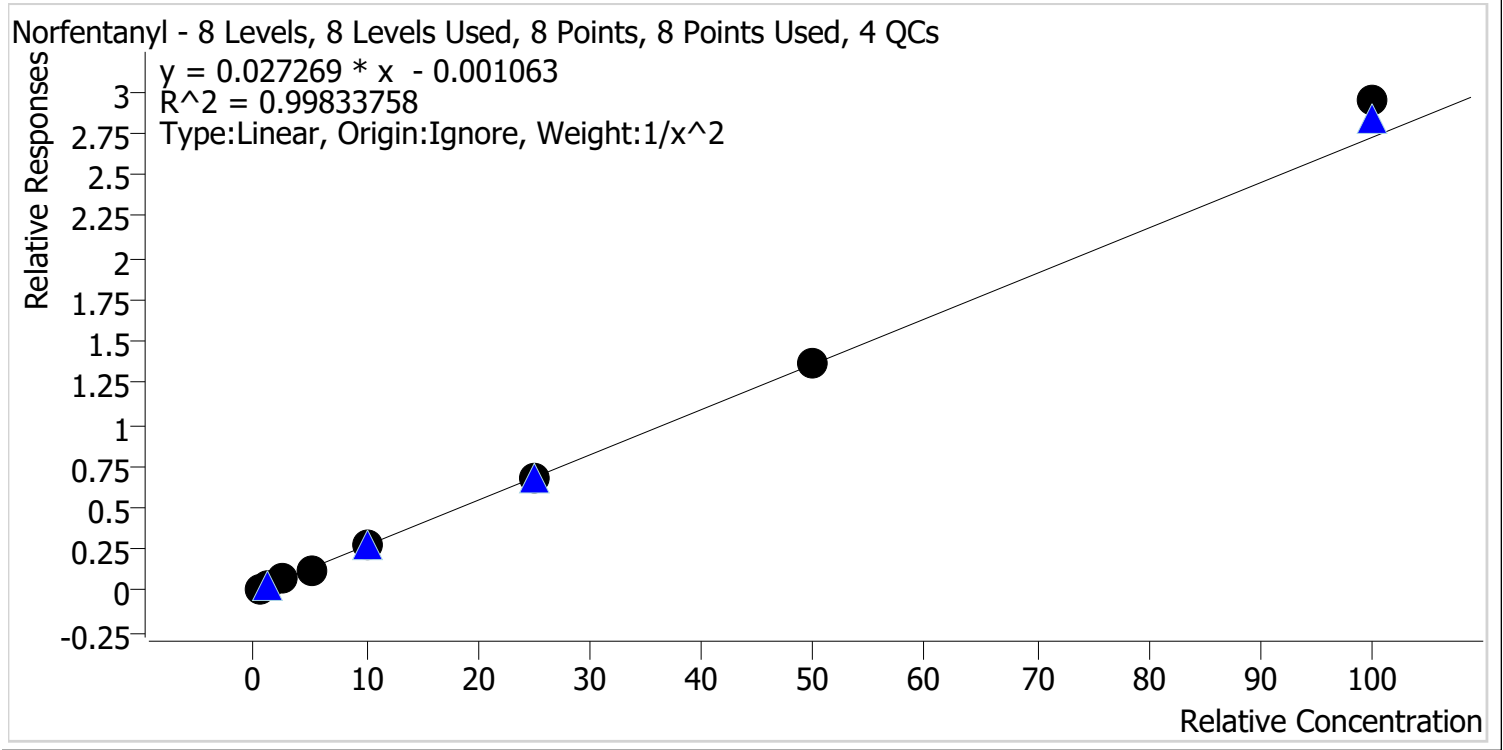
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	501.5	100.3
p1 Cal 8-1000ng	8	✓	1000.0	930.5	93.0

cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



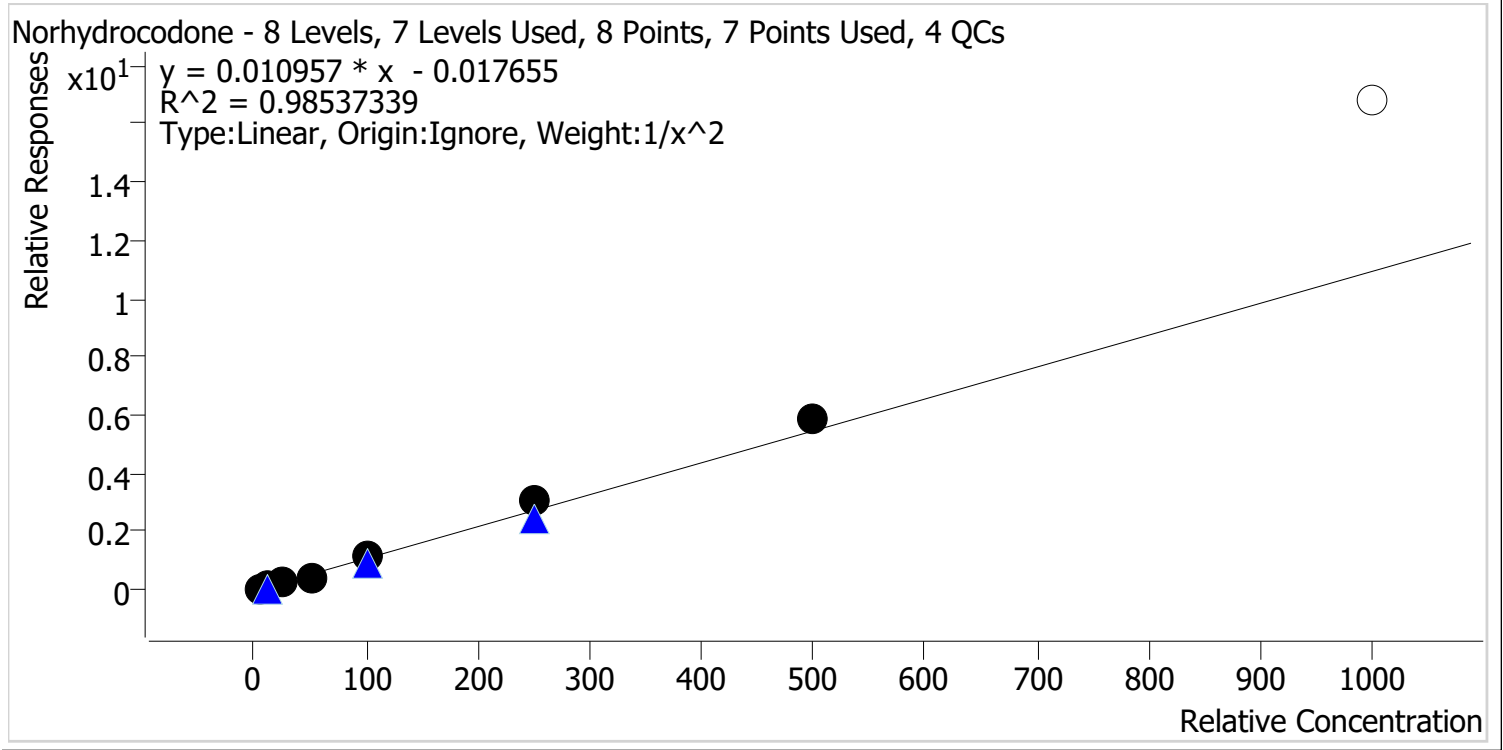
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.4
p1 Cal 2-10ng	2	✓	1.0	1.0	98.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.9
p1 Cal 4-50ng	4	✓	5.0	4.8	96.7
p1 Cal 5-100ng	5	✓	10.0	9.9	99.1
p1 Cal 6-250ng	6	✓	25.0	24.6	98.4
p1 Cal 7-500ng	7	✓	50.0	49.8	99.6
p1 Cal 8-1000ng	8	✓	100.0	108.1	108.1

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

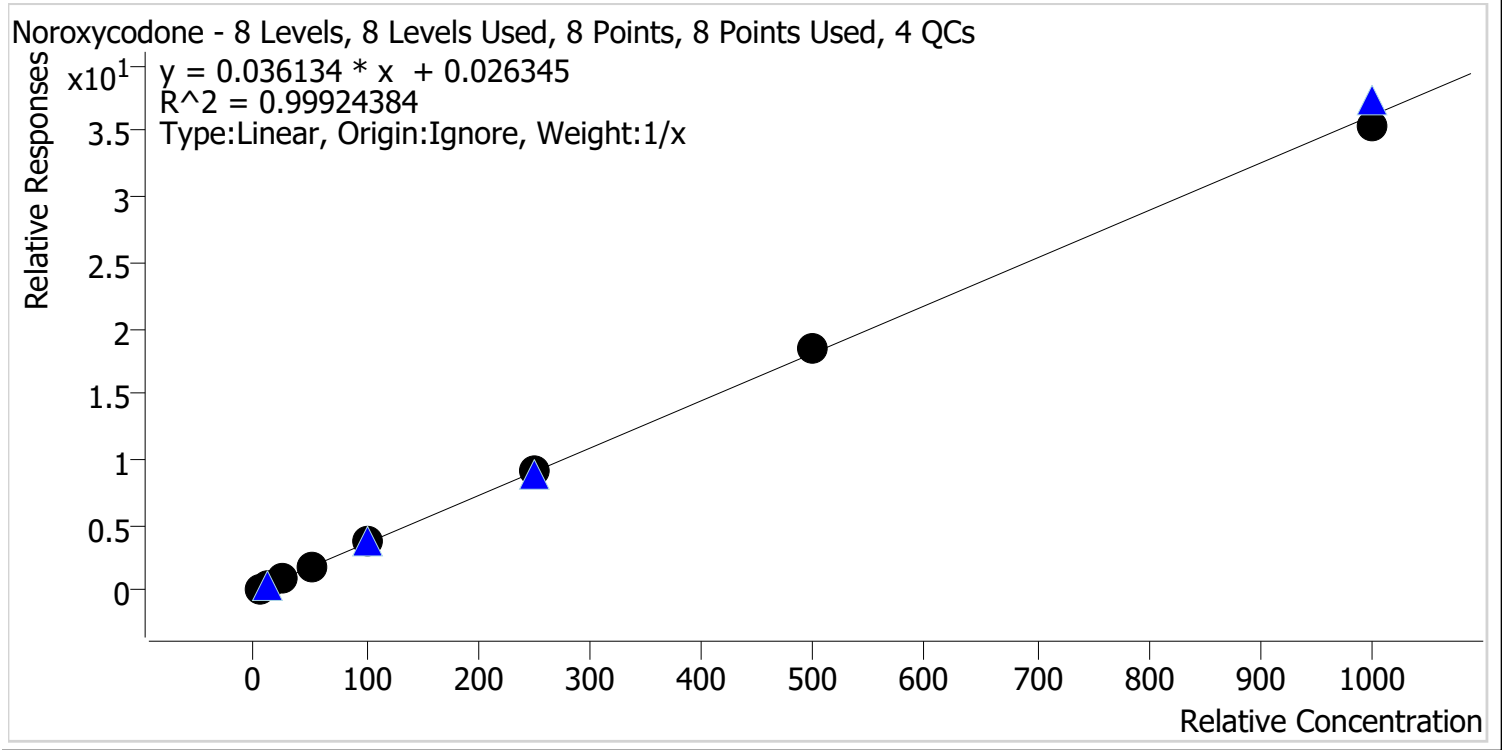


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.5
p1 Cal 2-10ng	2	✓	10.0	9.3	92.9
p1 Cal 3 -25ng	3	✓	25.0	22.4	89.4
p1 Cal 4-50ng	4	✓	50.0	43.1	86.1
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	280.3	112.1
p1 Cal 7-500ng	7	✓	500.0	543.5	108.7
p1 Cal 8-1000ng	8	✗	1000.0	1535.4	153.5



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

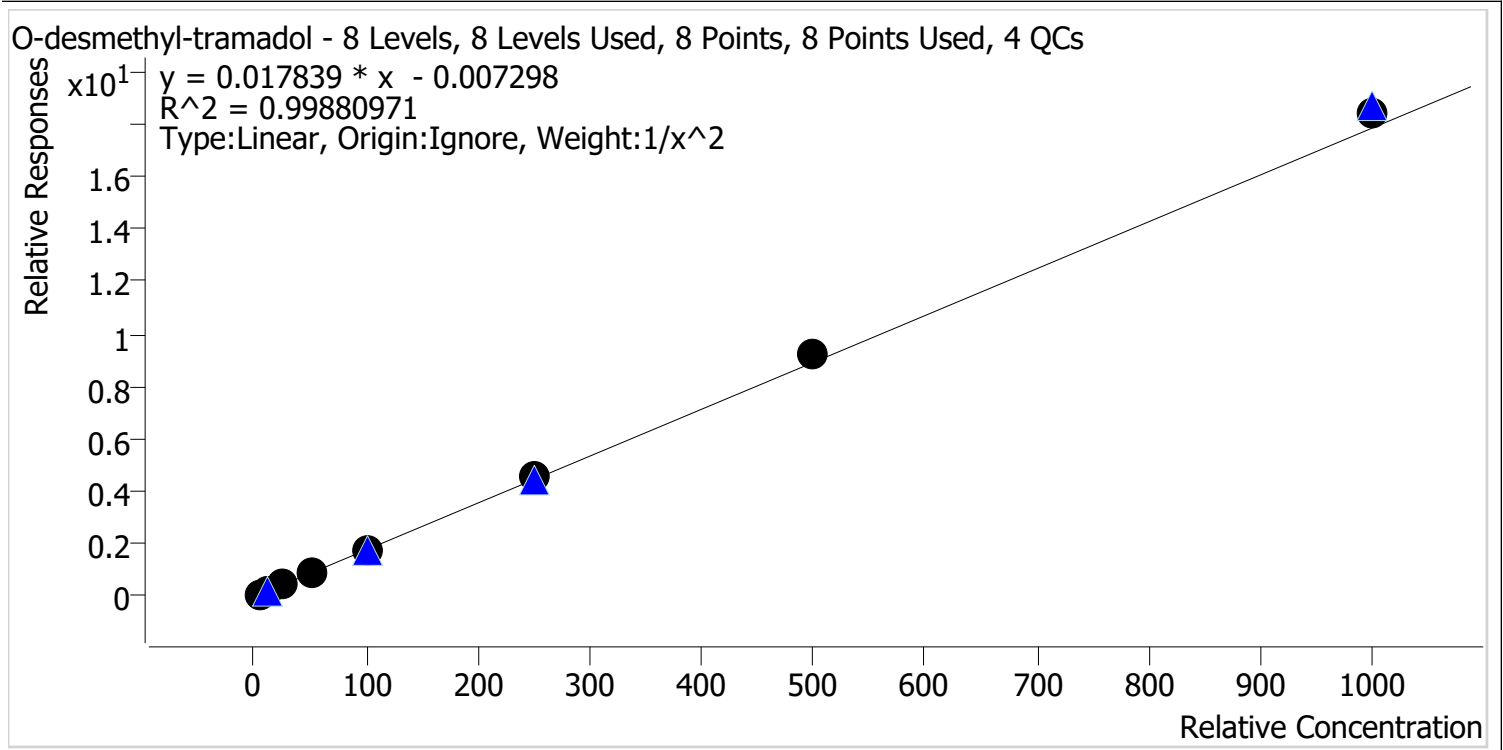


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.4	88.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	512.2	102.4
p1 Cal 8-1000ng	8	✓	1000.0	976.5	97.6



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

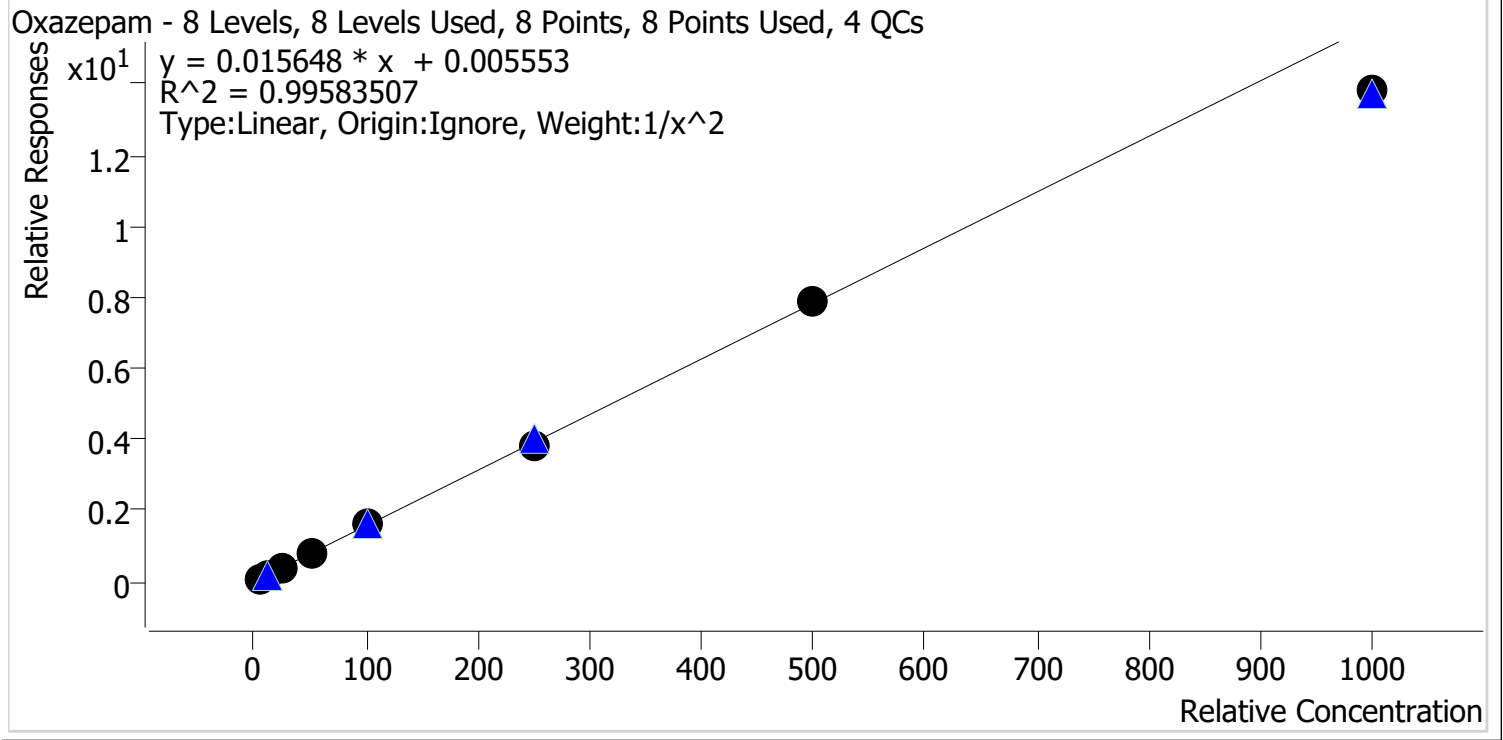


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	519.3	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1031.0	103.1



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5



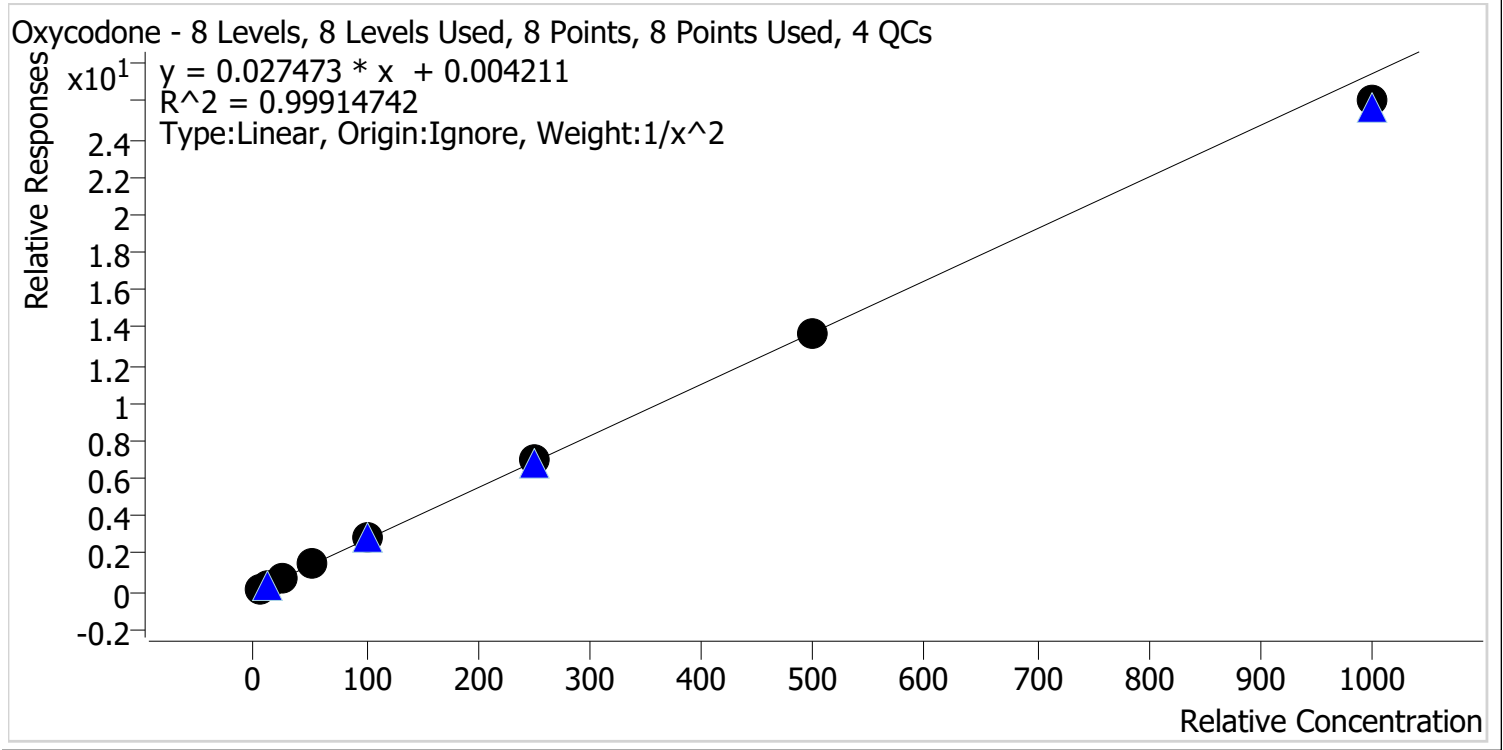
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	502.0	100.4
p1 Cal 8-1000ng	8	✓	1000.0	882.5	88.2





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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

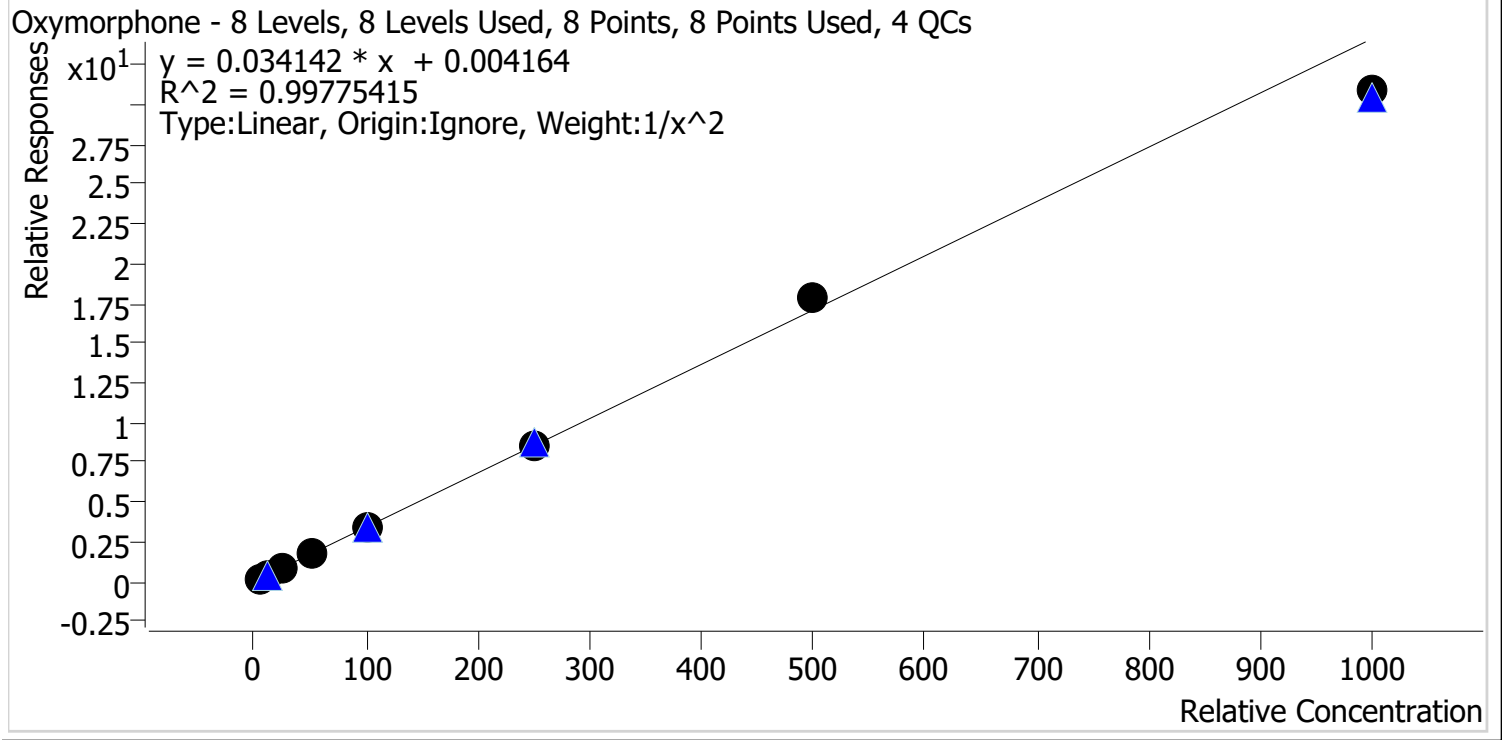


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	495.8	99.2
p1 Cal 8-1000ng	8	✓	1000.0	947.9	94.8



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



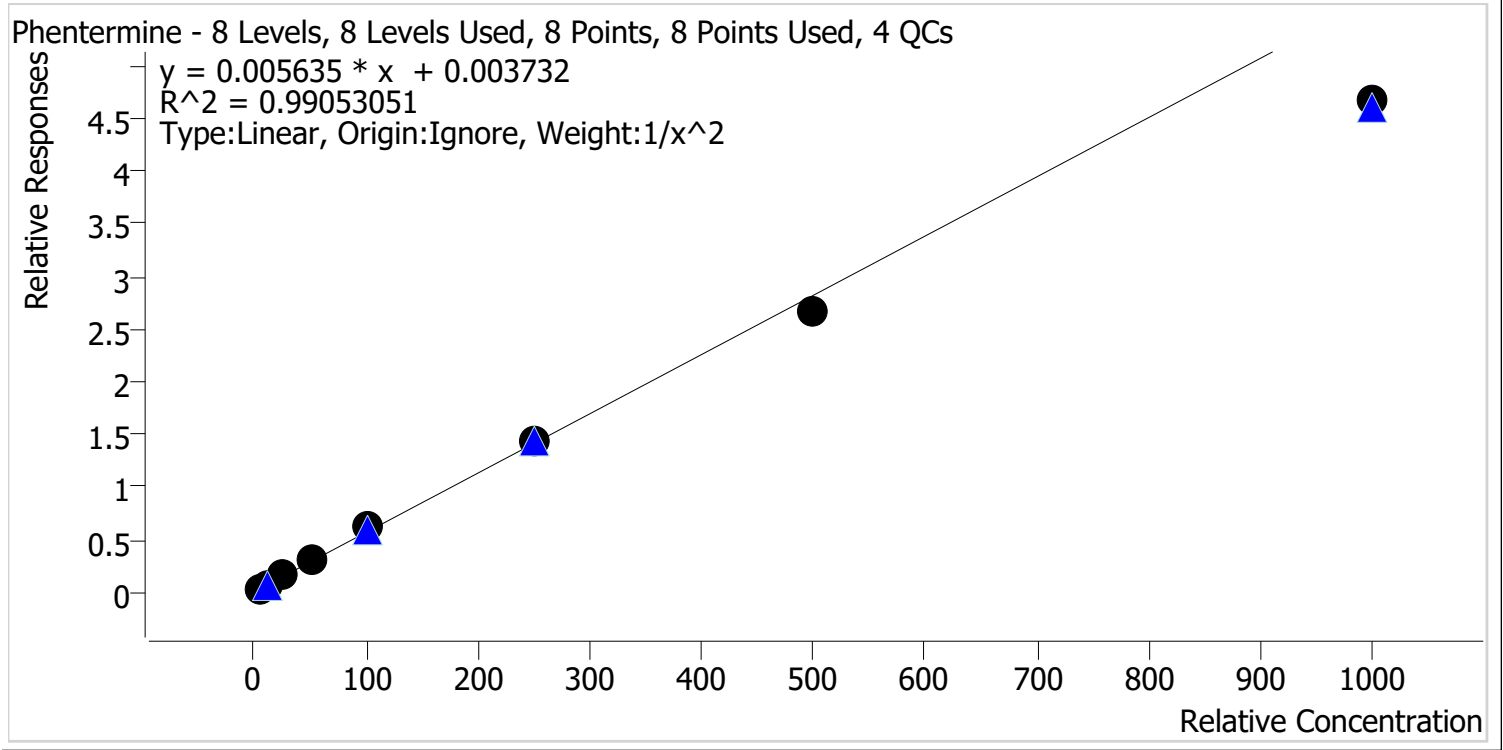
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	520.1	104.0
p1 Cal 8-1000ng	8	✓	1000.0	904.3	90.4

cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



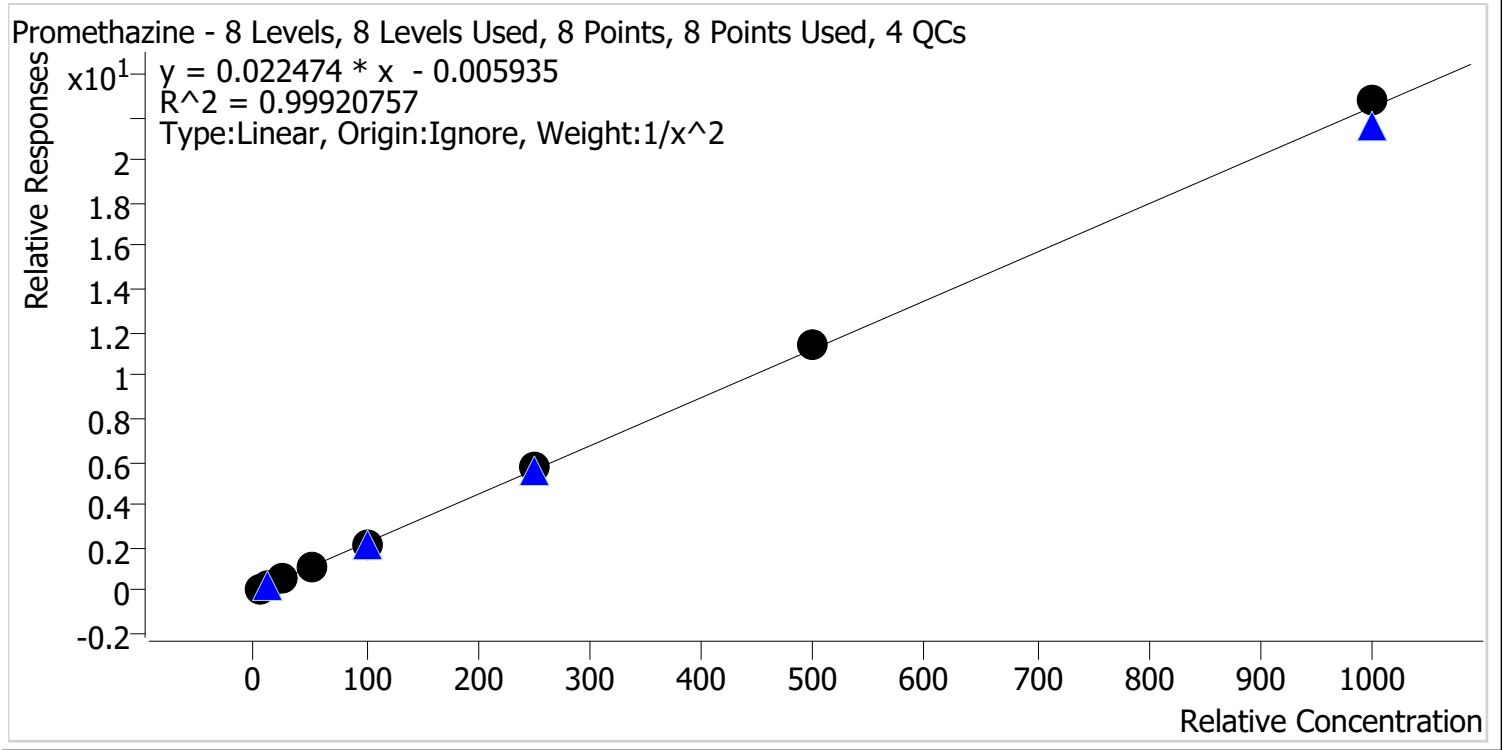
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	108.4	108.4
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	475.3	95.1
p1 Cal 8-1000ng	8	✓	1000.0	828.7	82.9

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



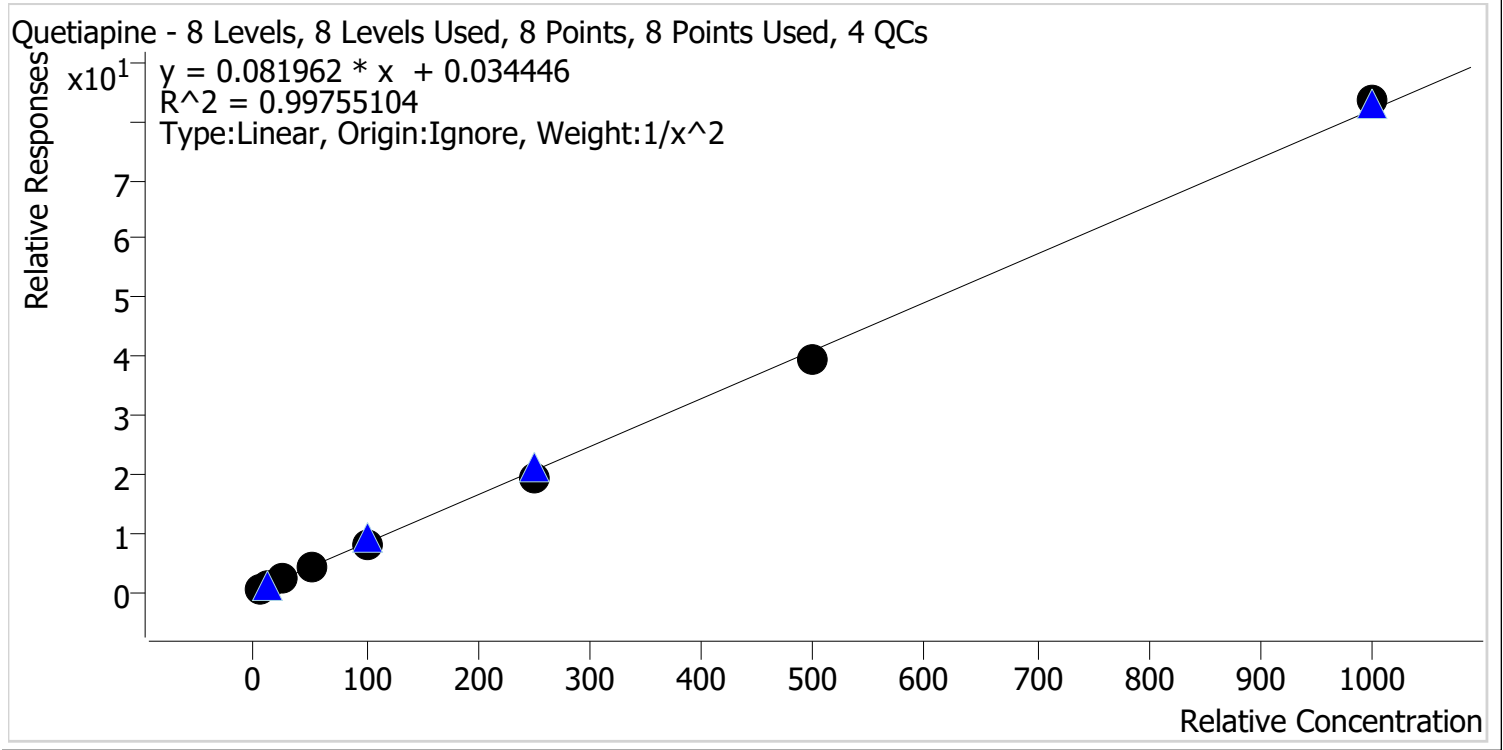
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	48.1	96.3
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	513.0	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1013.4	101.3

Cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



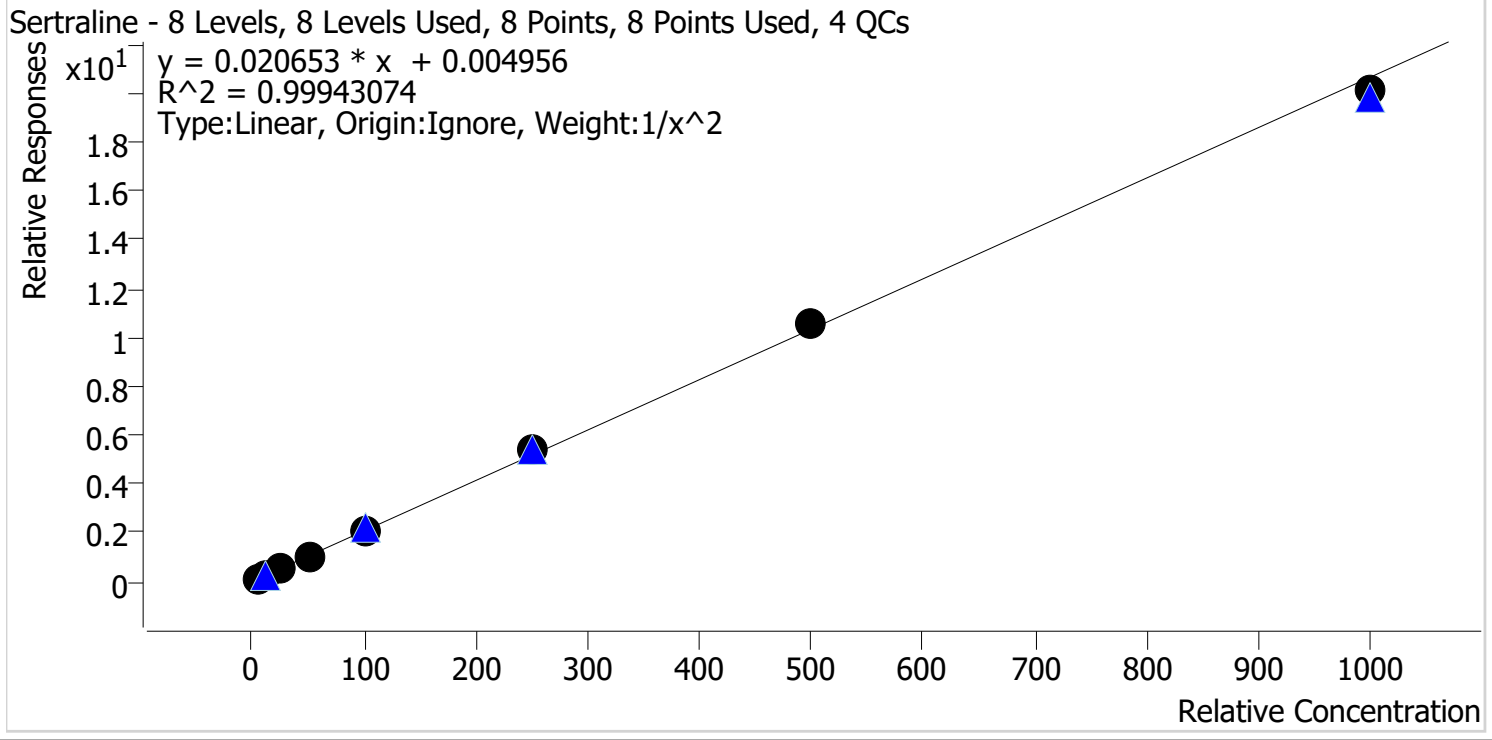
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	238.4	95.4
p1 Cal 7-500ng	7	✓	500.0	478.6	95.7
p1 Cal 8-1000ng	8	✓	1000.0	1019.1	101.9

CG



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



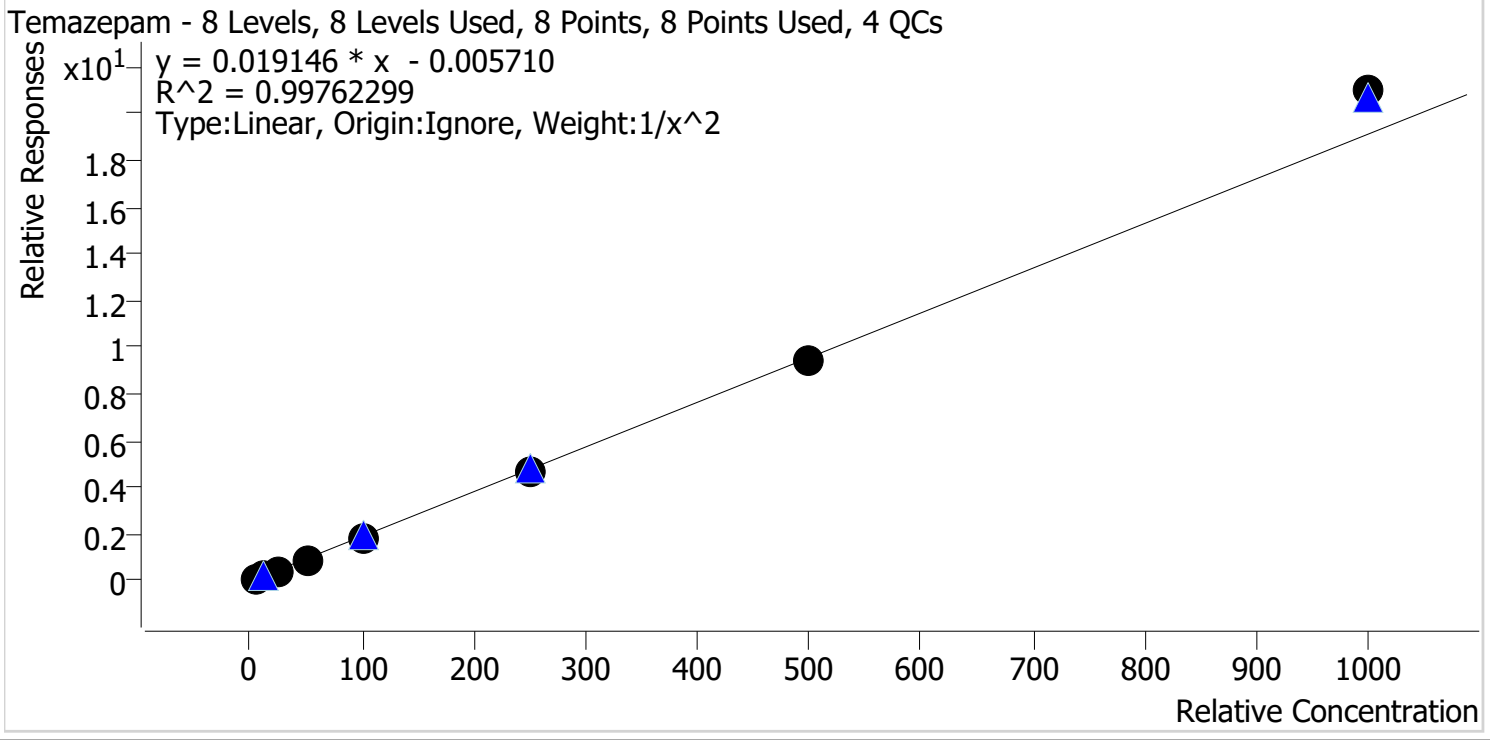
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	48.8	97.5
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	258.0	103.2
p1 Cal 7-500ng	7	✓	500.0	508.1	101.6
p1 Cal 8-1000ng	8	✓	1000.0	973.5	97.3

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



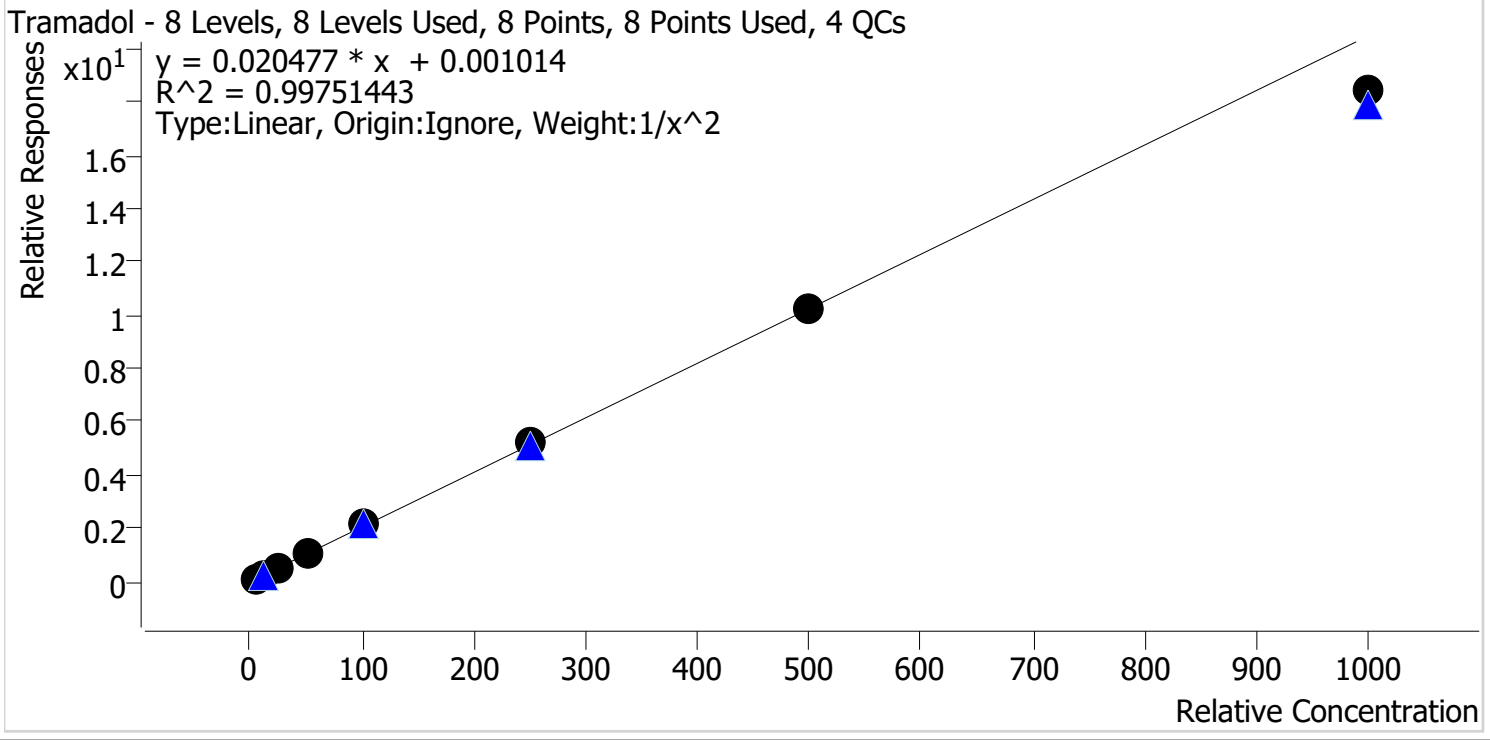
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	497.3	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1097.4	109.7

cg



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



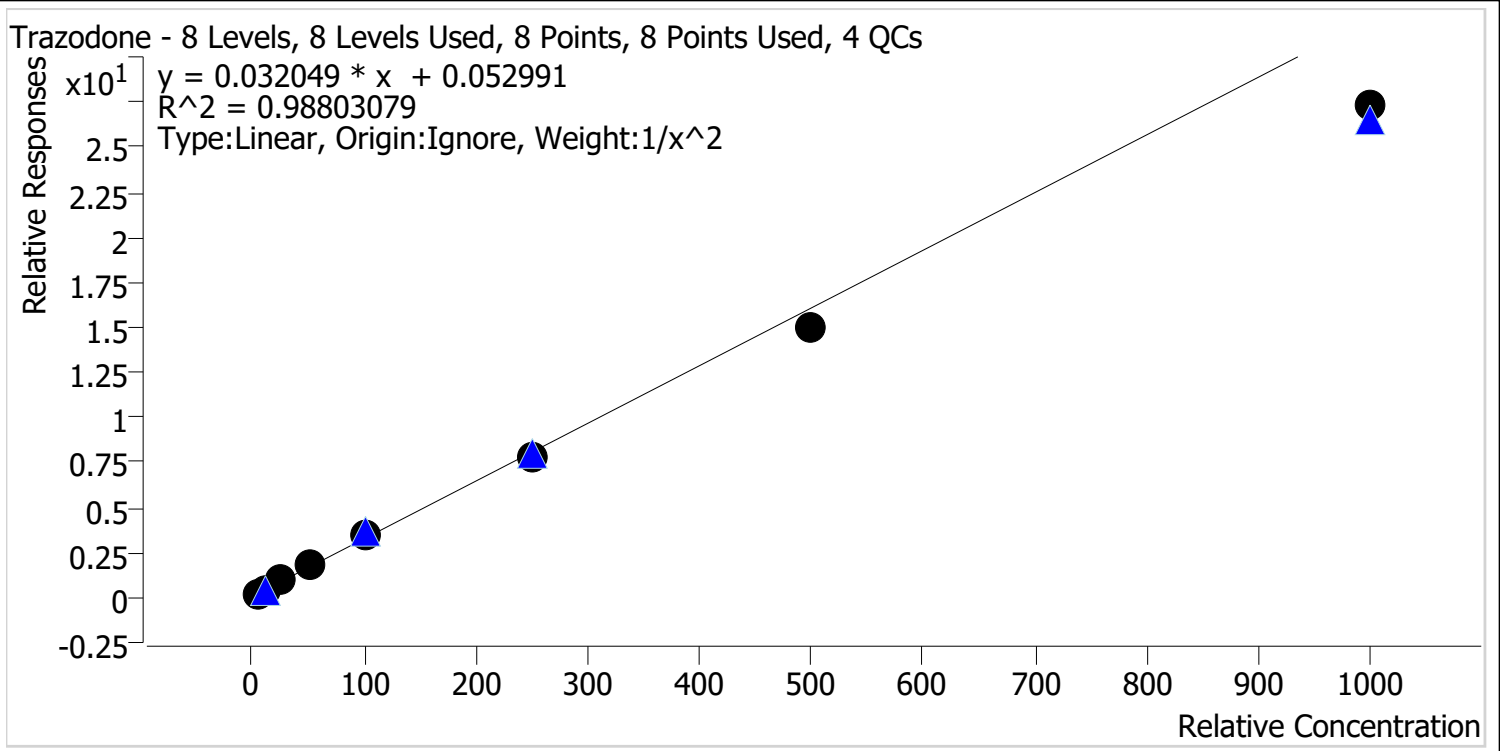
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	899.9	90.0





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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

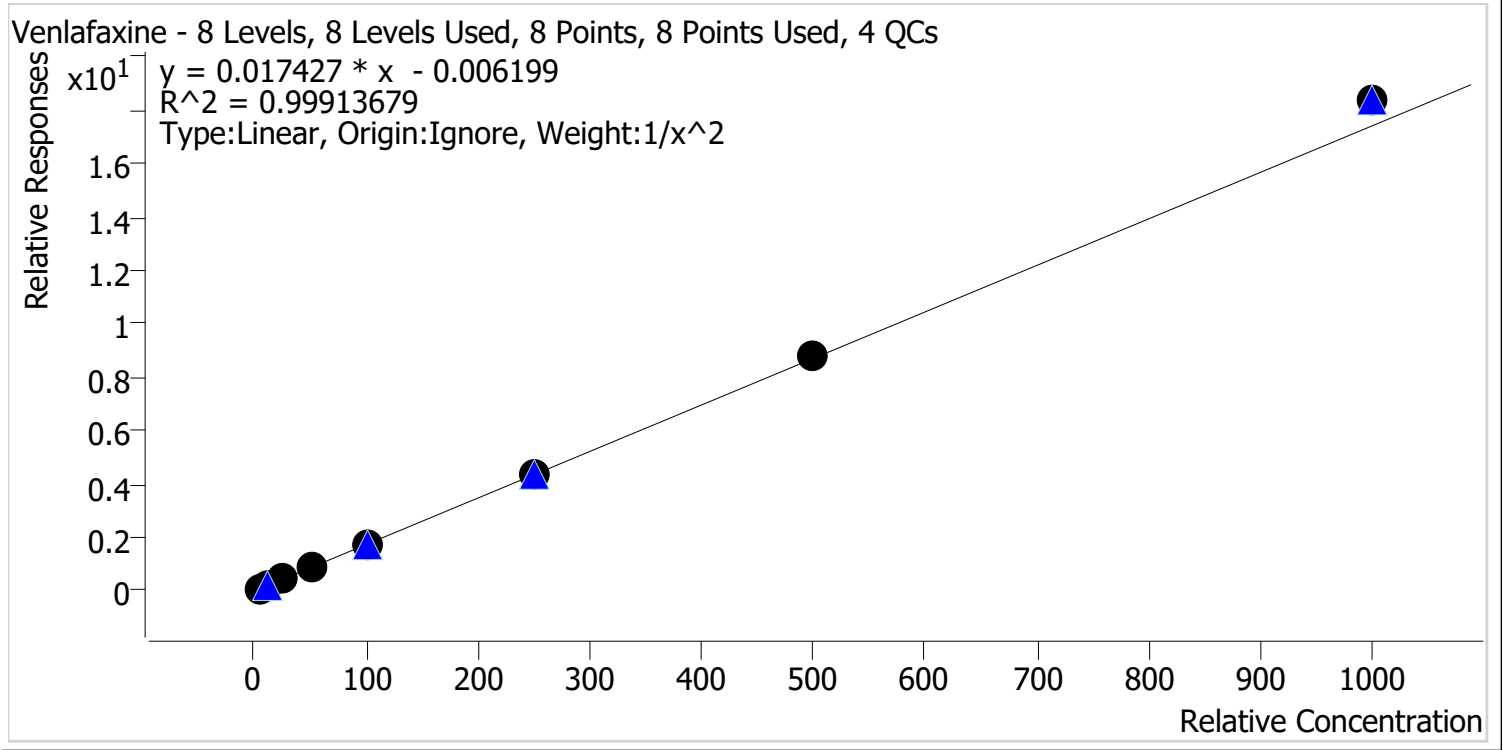


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.4
p1 Cal 2-10ng	2	✓	10.0	10.6	106.2
p1 Cal 3 -25ng	3	✓	25.0	28.4	113.6
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	241.4	96.6
p1 Cal 7-500ng	7	✓	500.0	464.7	92.9
p1 Cal 8-1000ng	8	✓	1000.0	850.8	85.1



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



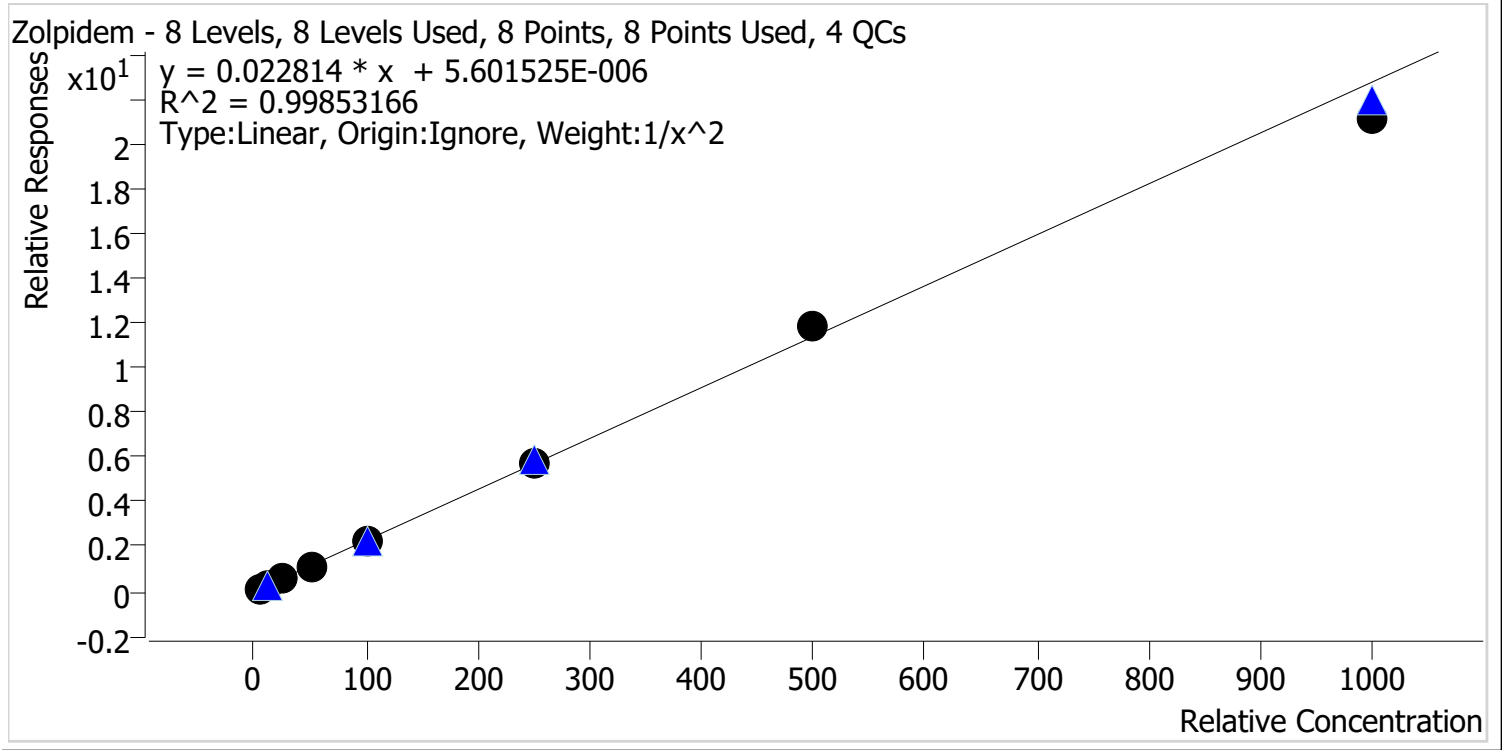
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	48.9	97.9
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	505.9	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1052.9	105.3

CS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Last Cal. Update** 8/22/2023 9:00 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	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	520.8	104.2
p1 Cal 8-1000ng	8	✓	1000.0	927.4	92.7



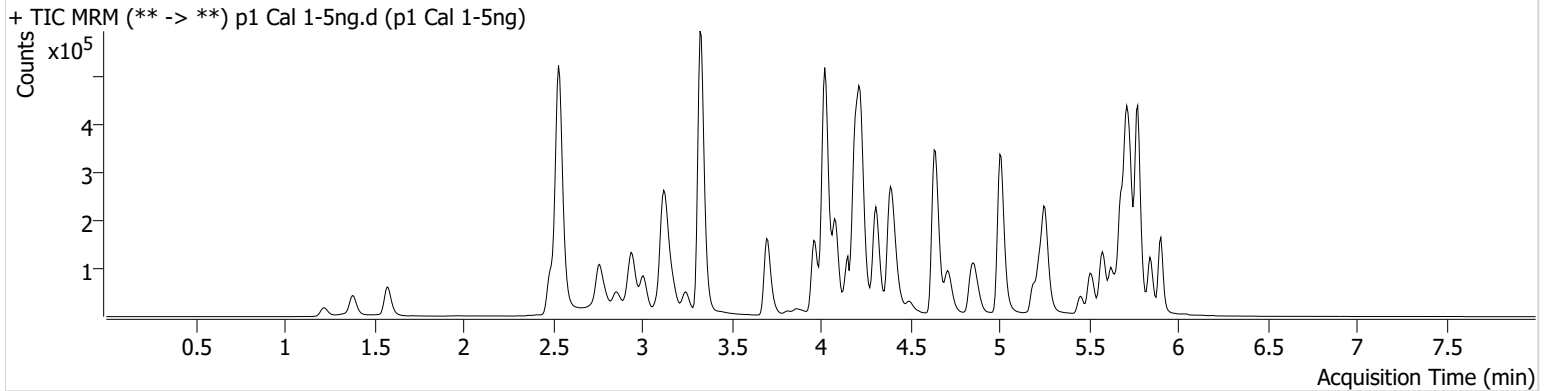
# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
Calibration Last Update 8/22/2023 9:00:38 AM

Instrument Falco (069901) Data File p1 Cal 1-5ng.d  
Type Cal Sample p1 Cal 1-5ng  
Acq. Method AM 28 MDQ P1 Updated 081023.m Operator Celena Shrum  
Sample Position P2-H12 Comment  
Injection Volume 2  
Acq. Date-Time 8/16/2023 8:52:37 AM  
Sample Info.

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	990	1402.96	75.4	509.33	57311	0.5079 ng/ml
7-aminoclonazepam	4.164	23629	394.80	79.1	1119.88	176308	4.9563 ng/ml
a-hydroxyalprazolam	5.662	10580	192.86	80.2	263.25	88459	5.1173 ng/ml
alpha-PHP	4.882	9661	207.04	279.2	18771.17	482830	5.0171 ng/ml
alpha-PVP	4.317	63062	3897.33	42.7	730.06	482830	5.0676 ng/ml
Alprazolam	5.733	38317	567.64	117.6	277.74	325321	5.1928 ng/ml
Amphetamine	3.010	92910	480.89	45.0	492.98	163632	4.8623 ng/ml
Benzoylcegonine	3.845	3040	49.67	7.5	160.03	17373	5.0763 ng/ml
Buprenorphine	5.538	297	86.44	13.4	50.88	20230	0.5138 ng/ml
Bupropion	4.725	32321	1636.89	70.0	482.88	187362	5.0571 ng/ml
Carisoprodol	5.688	36745	66865.62	52.5	119.69	339290	4.9931 ng/ml
Citalopram	5.193	15446	260.51	38.3	5000.63	143778	5.0483 ng/ml
Clonazepam	5.575	59730	332.76	34.1	29417.43	134381	4.9084 ng/ml
Clonazolam	5.518	31514	912.68	24.1	10259.83	134381	4.9749 ng/ml
Cocaine	4.225	46436	221.95	54.3	21104.16	761411	5.0765 ng/ml
Codeine	2.532	5998	40.79	113.6	10329.77	68807	4.8467 ng/ml
Cyclobenzaprine	5.592	8677	7374.04	9.1	96.83	75200	5.1630 ng/ml
Dextromethorphan	5.236	7834	150.24	85.1	577.02	66562	5.1100 ng/ml
Dextrorphan	4.085	14037	3570.63	213.0	66975.28	375590	5.1541 ng/ml
Diazepam	5.905	24673	214.33	89.4	166.96	259749	5.0227 ng/ml
Dihydrocodeine	2.518	17715	38431.38	56.2	20110.58	196301	4.7873 ng/ml
Diphenhydramine	5.257	39478	2845.48	24.1	325.64	427533	5.0901 ng/ml
Doxylamine	4.410	83120	4025.84	104.0	837.35	730040	5.2084 ng/ml
Duloxetine	5.625	1399	24.01	15.9 High	2.50	15465	4.7503 ng/ml
EDDP	5.229	15572	119.86	45.7	∞	185457	5.0546 ng/ml
Etizolam	5.778	17911	16049.27	29.4	8290.29	134381	5.0498 ng/ml
Fentanyl	5.022	756	33.26	69.2	462.35	90469	0.9124 ng/ml
Fluorofentanyl	5.075	2812	64.63	49.8	1590.22	1097	0.5178 ng/ml
Fluoxetine	5.678	13659	698.56	6.8	402.30	91978	5.0330 ng/ml
Hydrocodone	2.972	25293	265.67	26.7	116.69	275103	4.8291 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	25130	115302.09	72.2	2513.56	149769	5.0282 ng/ml
Hydroxyzine	5.661	8542	204.81	66.2	827.33	66562	4.8443 ng/ml
Ketamine	3.976	49556	457.96	37.5	218.30	353346	4.9380 ng/ml
Lamotrigine	4.214	3824	912.64	89.0	7146.77	1347381	4.7850 ng/ml
Lorazepam	5.711	49428	341.32	49.6	125.11	576329	4.7189 ng/ml
MDA	3.157	48627	435.21	27.2	39.33	234713	4.8745 ng/ml
MDMA	3.252	32237	4932.61	76.2	701.41	66921	5.0667 ng/ml
Meprobamate	4.862	16232	251.10	25.1	∞	144778	4.7992 ng/ml
Methadone	5.630	22179	507.77	39.4	354.49	136109	5.1829 ng/ml
Methamphetamine	3.178	54223	822.35	40.6	854.52	596398	4.9490 ng/ml
Metoprolol	4.287	9392	7565.99	102.3	1901.91	850640	5.0882 ng/ml
Mirtazapine	4.499	32950	1886.22	49.9	373.37	482830	5.0393 ng/ml
Mitragynine	5.156	2697	19.81	31.9	375.07	136109	5.2482 ng/ml
Morphine	1.227	4400	1444.23	34.0	554.22	22993	5.0393 ng/ml
Norbuprenorphine	4.965	48	34.01	98.0	37.08	3200	0.5743 ng/ml
Nordiazepam	5.851	26375	571.15	62.8	202.33	190824	4.9768 ng/ml
Norfentanyl	4.044	10394	549.35	34.4	63.23	814782	0.5068 ng/ml
Norhydrocodone	3.034	2653	72.12	37.0	39.27	65204	5.3245 ng/ml
Noroxycodone	2.877	22361	374.61	48.2	487.74	119812	4.4360 ng/ml
O-desmethyl-tramadol	3.332	118402	2377.29	5.2	201.96	1417894	5.0903 ng/ml
o-desmethylvenlafaxine	4.030	98634	1387.94	25.4	57.01	293630	5.2191 ng/ml
Olanzapine	3.952	3292	1400.88	52.4	7.73	12229	5.0336 ng/ml
Oxazepam	5.713	47448	501.47	83.9	104.26	576329	4.9064 ng/ml
Oxycodone	2.788	49181	735.55	27.7	146.77	348045	4.9901 ng/ml
Oxymorphone	1.385	20198	239.86	44.7	338.33	116207	4.9688 ng/ml
Phentermine	3.734	13499	232.19	6.4	36.54	436604	4.8250 ng/ml
Promethazine	5.508	16592	567.67	29.1	164.06	154141	5.0537 ng/ml
Pseudoephedrine	2.549	124277	273.33	15.2	1571.15	1347381	5.2007 ng/ml
Quetiapine	5.456	24110	68581.62	51.7	38717.17	55702	4.8606 ng/ml
Sertraline	5.747	5856	379.37	115.9	296.19	54156	4.9958 ng/ml
Temazepam	5.781	73450	239.11	29.7	170.43	802585	5.0782 ng/ml
Tramadol	4.207	86811	1487.25	3.5	130.27	850640	4.9343 ng/ml
Trazodone	4.870	29111	680.64	48.7	10065.47	143692	4.6679 ng/ml
Venlafaxine	5.010	60151	49217.76	36.6	105.23	734312	5.0562 ng/ml
Zolpidem	4.654	99415	377.71	29.7	500.96	867816	5.0211 ng/ml



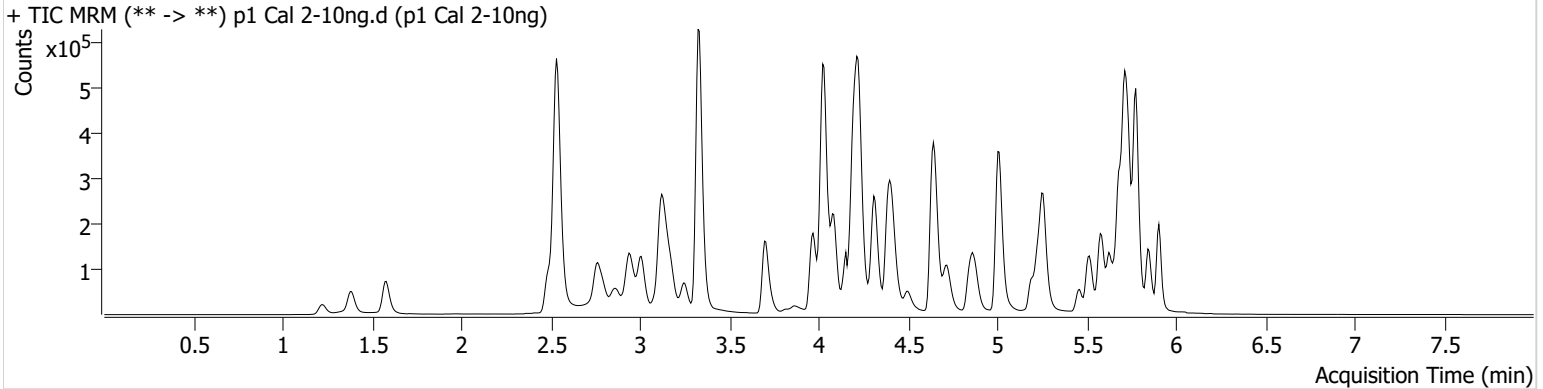
# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
Calibration Last Update 8/22/2023 9:00:38 AM

Instrument Falco (069901) Data File p1 Cal 2-10ng.d  
Type Cal Sample p1 Cal 2-10ng  
Acq. Method AM 28 MDQ P1 Updated 081023.m Operator Celena Shrum  
Sample Position P2-G12 Comment  
Injection Volume 2  
Acq. Date-Time 8/16/2023 9:03:24 AM  
Sample Info.

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	1989	5016.69	85.2	5937.30	58882	0.9760 ng/ml
7-aminoclonazepam	4.171	45125	∞	83.3	252.37	180331	9.8187 ng/ml
a-hydroxyalprazolam	5.662	20661	283.06	77.5	189.65	90635	9.5000 ng/ml
alpha-PHP	4.882	18873	441.85	274.9	791.62	474234	10.0444 ng/ml
alpha-PVP	4.317	122538	488.06	43.0	283.66	474234	9.8394 ng/ml
Alprazolam	5.740	78325	413.51	114.0	534.41	322892	9.7133 ng/ml
Amphetamine	3.010	175121	2234.38	46.3	115.22	163449	10.0760 ng/ml
Benzoylecgonine	3.845	5821	143.49	7.9	416.79	17338	9.9499 ng/ml
Buprenorphine	5.538	710	56.19	10.7 Low	122.29	22464	1.1184 ng/ml
Bupropion	4.725	61224	342.12	69.5	368.00	181207	9.8045 ng/ml
Carisoprodol	5.688	73239	166008.95	50.8	293.50	346458	9.8586 ng/ml
Citalopram	5.193	32326	256.91	36.2	4087.88	148709	10.0223 ng/ml
Clonazepam	5.575	119430	2475.22	33.7	83395.32	137411	10.0456 ng/ml
Clonazolam	5.518	61898	78984.84	24.0	28827.50	137411	9.8520 ng/ml
Cocaine	4.225	91472	2343.13	53.5	56771.73	769523	9.7733 ng/ml
Codeine	2.526	11715	192.53	119.9	123542.03	67822	10.1931 ng/ml
Cyclobenzaprine	5.592	20152	13146.58	9.8	90.51	93670	9.4386 ng/ml
Dextromethorphan	5.236	16544	132.08	92.0	81.03	76225	9.5752 ng/ml
Dextrorphan	4.085	25563	615.31	223.5	56998.00	369039	9.4759 ng/ml
Diazepam	5.905	50292	1195.00	90.7	3562.83	274028	9.7974 ng/ml
Dihydrocodeine	2.518	36346	678.53	54.9	1395.17	195770	10.3943 ng/ml
Diphenhydramine	5.257	79728	145.89	26.6	106.50	456202	9.6803 ng/ml
Doxylamine	4.410	159612	1488.26	103.5	8053.59	736338	9.4610 ng/ml
Duloxetine	5.625	3591	2888.17	9.6	39.52	19476	10.1155 ng/ml
EDDP	5.229	31224	545.18	43.2	647.31	190601	9.8104 ng/ml
Etizolam	5.778	35797	33842.11	28.9	13808.78	137411	9.7691 ng/ml
Fentanyl	5.028	1609	439.94	82.1	702.10	105363	1.3166 ng/ml
Fluorofentanyl	5.075	6211	257.17	45.9	684.43	1329	0.9335 ng/ml
Fluoxetine	5.678	32939	9332.41	7.6	2002.80	117774	9.8410 ng/ml
Hydrocodone	2.972	50360	340.40	26.1	111.65	279124	10.1914 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	49592	339663.61	71.4	920.85	148140	9.9040 ng/ml
Hydroxyzine	5.661	19217	547.88	65.5	940.13	76225	10.6801 ng/ml
Ketamine	3.976	95438	4858.39	39.2	513.82	356221	10.0404 ng/ml
Lamotrigine	4.221	7921	64.92	89.3	4516.46	1317856	10.5676 ng/ml
Lorazepam	5.711	96790	1692.07	49.8	70.89	590715	10.3380 ng/ml
MDA	3.157	94901	1155.53	27.1	119.65	229638	10.1385 ng/ml
MDMA	3.252	61413	1544.88	79.0	578.81	65019	9.8040 ng/ml
Meprobamate	4.869	32000	1151.17	26.9	460.31	145808	10.2726 ng/ml
Methadone	5.630	47970	425.65	40.3	733.57	160924	9.5157 ng/ml
Methamphetamine	3.178	102642	1245.31	43.2	613.15	591825	10.0256 ng/ml
Metoprolol	4.287	17640	29225.30	102.0	894.41	856554	9.5389 ng/ml
Mirtazapine	4.499	64519	571.19	51.7	497.02	474234	10.0214 ng/ml
Mitragynine	5.156	5669	6339.91	29.5	8496.99	160924	9.1978 ng/ml
Morphine	1.227	8304	193.95	34.8	158.28	23064	9.6415 ng/ml
Norbuprenorphine	4.965	123	128.30	76.6 <b>Low</b>	142.24	3650	1.6209 ng/ml
Nordiazepam	5.851	52784	1049.15	67.8	1821.94	193956	9.9564 ng/ml
Norfentanyl	4.044	20780	80.66	33.3	73.32	802441	0.9886 ng/ml
Norhydrocodone	3.034	5279	112.78	32.6	30.34	62705	9.2948 ng/ml
Noroxycodone	2.877	45673	202.96	50.0	199.51	121475	9.6762 ng/ml
O-desmethyl-tramadol	3.332	236259	1797.51	5.2	693.58	1405102	9.8350 ng/ml
o-desmethylvenlafaxine	4.030	194014	1509.39	26.5	591.49	297971	9.5847 ng/ml
Olanzapine	3.946	7184	1107.25	50.8	131.06	14994	9.6422 ng/ml
Oxazepam	5.713	96124	691.91	81.0	149.35	590715	10.0441 ng/ml
Oxycodone	2.788	96337	1073.81	28.8	521.13	349419	9.8822 ng/ml
Oxymorphone	1.385	39796	455.73	44.1	255.06	115197	9.9963 ng/ml
Phentermine	3.734	26637	247.13	5.8	38.94	433013	10.2551 ng/ml
Promethazine	5.508	40881	352.85	29.3	387.22	187374	9.9720 ng/ml
Pseudoephedrine	2.542	244959	290.97	14.9	193.91	1317856	9.5919 ng/ml
Quetiapine	5.456	48705	22505.52	50.5	1158.35	55368	10.3123 ng/ml
Sertraline	5.747	14194	384.69	104.9	1377.09	66445	10.1037 ng/ml
Temazepam	5.781	146849	2494.17	30.1	270.22	798349	9.9057 ng/ml
Tramadol	4.207	177320	526.80	3.2	276.18	856554	10.0602 ng/ml
Trazodone	4.870	60762	10430.87	47.8	29000.03	154482	10.6191 ng/ml
Venlafaxine	5.010	118667	3490.34	37.5	181.70	710700	9.9371 ng/ml
Zolpidem	4.654	198615	293443.18	29.9	1727.62	883871	9.8494 ng/ml



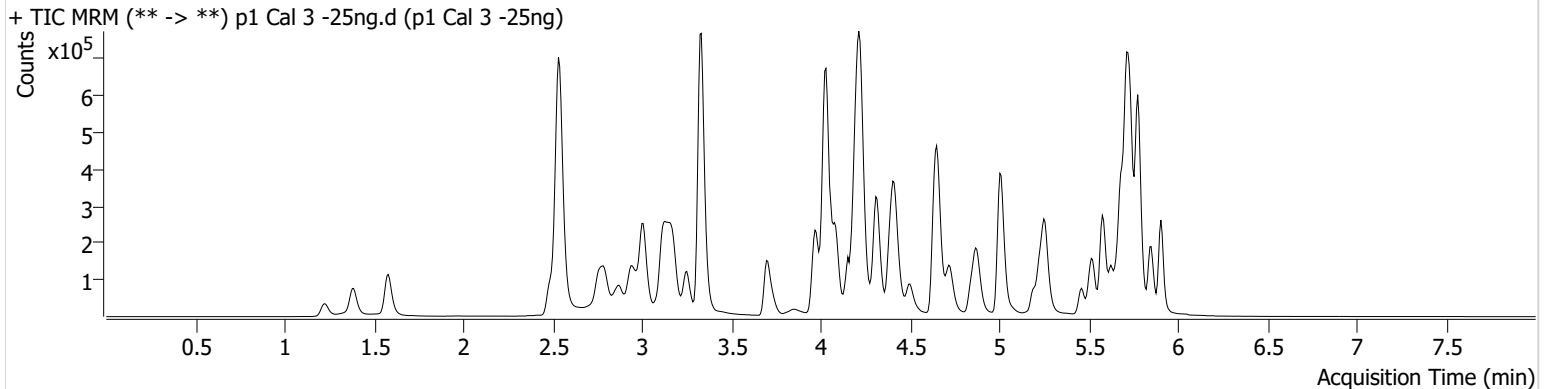
# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
Calibration Last Update 8/22/2023 9:00:38 AM

**Instrument** Falco (069901) **Data File** p1 Cal 3 -25ng.d  
**Type** Cal **Sample** p1 Cal 3 -25ng  
**Acq. Method** AM 28 MDQ P1 Updated 081023.m **Operator** Celena Shrum  
**Sample Position** P2-F12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/16/2023 9:14:01 AM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	5047	14337.94	76.8	405.61	56843	2.5367 ng/ml
7-aminoclonazepam	4.164	114456	2455.15	82.2	2322.57	178217	26.2196 ng/ml
a-hydroxyalprazolam	5.662	54405	194.92	75.4	424.85	86199	25.8085 ng/ml
alpha-PHP	4.882	38289	753.29	277.9	690.67	407828	23.7860 ng/ml
alpha-PVP	4.317	267721	840.38	43.4	388.59	407828	24.7040 ng/ml
Alprazolam	5.733	188484	445.03	121.0	756.66	314228	22.6548 ng/ml
Amphetamine	3.010	409010	352.61	46.6	798.15	151849	26.8693 ng/ml
Benzoylcegonine	3.838	13225	1604.06	9.3	116.90	16714	23.7631 ng/ml
Buprenorphine	5.538	1090	298.16	16.8	116.82	15037	2.5783 ng/ml
Bupropion	4.725	126994	8792.84	69.6	279.20	147266	24.8619 ng/ml
Carisoprodol	5.688	181483	914.27	51.3	329.49	332600	25.6340 ng/ml
Citalopram	5.193	55110	740.50	35.2	83.23	104831	23.9713 ng/ml
Clonazepam	5.575	295259	658.56	34.0	361262.98	134017	26.1831 ng/ml
Clonazolam	5.518	151282	5425.23	25.4	31199.71	134017	25.1727 ng/ml
Cocaine	4.225	209436	14922.93	53.9	557.10	694923	24.5834 ng/ml
Codeine	2.526	29459	1785.20	119.8	111.96	67429	26.6986 ng/ml
Cyclobenzaprine	5.598	32599	468.62	9.2	2425.92	58202	24.2257 ng/ml
Dextromethorphan	5.236	30370	48.86	88.6	327.89	54690	24.7780 ng/ml
Dextrorphan	4.085	55295	304.20	217.3	420821.26	304181	24.7205 ng/ml
Diazepam	5.905	122869	4282.20	90.3	3391.02	259889	25.3958 ng/ml
Dihydrocodeine	2.518	90633	3243.60	54.2	310.33	192857	27.1013 ng/ml
Diphenhydramine	5.257	148896	1926.00	25.3	1396.74	332375	24.8948 ng/ml
Doxylamine	4.417	347885	4277.82	102.0	9754.40	620695	23.6650 ng/ml
Duloxetine	5.625	5476	145.88	13.6	810.55	12311	24.9950 ng/ml
EDDP	5.229	70611	300.06	45.3	400.15	167486	25.1619 ng/ml
Etizolam	5.778	89958	4002.92	27.0	1077.43	134017	25.0052 ng/ml
Fentanyl	5.028	2724	229.35	87.5	970.64	72155	2.6298 ng/ml
Fluorofentanyl	5.075	10604	151.34	42.9	1043.92	817	2.5711 ng/ml
Fluoxetine	5.678	52208	135.49	7.3	3479.32	75334	24.9908 ng/ml
Hydrocodone	2.972	122019	∞	25.5	∞	265430	27.1164 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	124893	521213.93	71.3	1441.49	147959	24.7773 ng/ml
Hydroxyzine	5.654	30462	394.10	68.3	214.08	54690	25.0539 ng/ml
Ketamine	3.976	225780	1314.97	40.1	489.07	341648	25.7444 ng/ml
Lamotrigine	4.221	18309	189.56	89.1	922.70	1260685	26.0848 ng/ml
Lorazepam	5.711	216020	5693.47	48.7	191.47	518495	28.5275 ng/ml
MDA	3.157	214322	1809.46	26.6	126.55	205205	26.2606 ng/ml
MDMA	3.252	141364	124117.45	76.5	1242.79	59223	24.5683 ng/ml
Meprobamate	4.862	80016	8744.10	26.5	505.12	145281	27.1650 ng/ml
Methadone	5.630	81472	1523.41	41.0	241.77	109935	23.7191 ng/ml
Methamphetamine	3.178	234920	993.44	43.1	354.77	552875	25.4967 ng/ml
Metoprolol	4.287	41910	50632.16	99.1	3635.88	794837	24.5114 ng/ml
Mirtazapine	4.499	127624	1208.51	50.6	749.95	407828	23.0188 ng/ml
Mitragynine	5.156	9981	113.82	30.7	4185.31	109935	23.4308 ng/ml
Morphine	1.227	21944	664.38	34.7	199.46	23059	25.7842 ng/ml
Norbuprenorphine	4.958	155	286.82	90.1	300.51	2863	2.7748 ng/ml
Nordiazepam	5.851	124938	1425.19	65.6	4682.22	180124	25.6273 ng/ml
Norfentanyl	4.044	49694	926.49	33.5	82.12	756492	2.4479 ng/ml
Norhydrocodone	3.034	13164	85.05	30.4	63.54	57911	22.3567 ng/ml
Noroxycodone	2.877	114251	996.87	47.8	2476.23	117185	26.2528 ng/ml
O-desmethyl-tramadol	3.332	598338	∞	5.1	721.71	1402376	24.3269 ng/ml
o-desmethylvenlafaxine	4.030	475425	815.62	26.4	1601.09	293531	22.9994 ng/ml
Olanzapine	3.952	12194	260.13	54.5	239.68	10152	25.4932 ng/ml
Oxazepam	5.713	216064	1695.36	79.9	335.57	518495	26.2756 ng/ml
Oxycodone	2.788	237648	2844.61	28.8	876.04	334749	25.6876 ng/ml
Oxymorphone	1.385	97168	∞	45.0	655.81	110868	25.5482 ng/ml
Phentermine	3.734	61107	169.16	5.9	144.34	400777	26.3973 ng/ml
Promethazine	5.508	66506	4315.22	31.1	88.41	123444	24.2359 ng/ml
Pseudoephedrine	2.542	604589	1194.76	15.6	447.81	1260685	23.3646 ng/ml
Quetiapine	5.456	90998	937.54	48.6	53444.27	41638	26.2442 ng/ml
Sertraline	5.740	22064	178.67	100.3	291.27	42953	24.6318 ng/ml
Temazepam	5.781	324295	∞	30.4	119.24	712936	24.0567 ng/ml
Tramadol	4.207	419760	1462.58	3.3	143.32	794837	25.7410 ng/ml
Trazodone	4.870	108259	210.04	50.4	120437.16	112420	28.3933 ng/ml
Venlafaxine	5.003	257316	584.49	36.8	637.19	616642	24.3010 ng/ml
Zolpidem	4.654	478632	2026.96	30.0	215.28	834089	25.1525 ng/ml



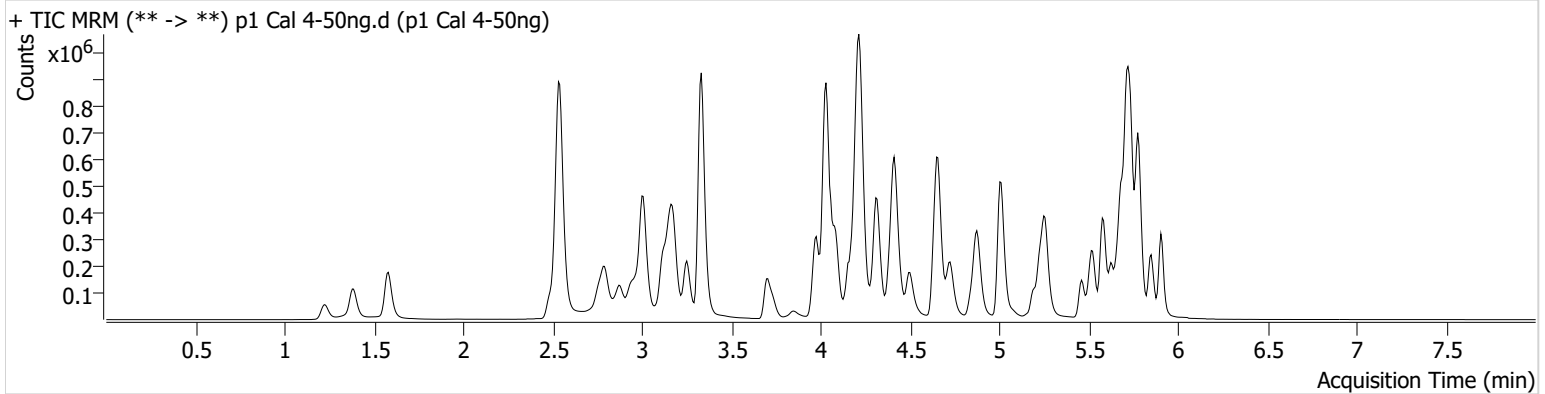
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Calibration Last Update** 8/22/2023 9:00:38 AM

**Instrument** Falco (069901) **Data File** p1 Cal 4-50ng.d  
**Type** Cal **Sample** p1 Cal 4-50ng  
**Acq. Method** AM 28 MDQ P1 Updated 081023.m **Operator** Celena Shrum  
**Sample Position** P2-E12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/16/2023 9:24:37 AM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	8551	233.42	78.7	10134.69	51806	4.6999 ng/ml
7-aminoclonazepam	4.164	224605	12222.67	84.3	6024.02	175573	52.8735 ng/ml
a-hydroxyalprazolam	5.662	93708	519.03	77.7	539.67	81970	46.5197 ng/ml
alpha-PHP	4.882	78920	830.65	277.8	481559.46	384832	52.0348 ng/ml
alpha-PVP	4.317	497655	2674.37	43.8	18823.83	384832	48.4807 ng/ml
Alprazolam	5.733	337056	489.81	122.2	833.06	268779	46.3527 ng/ml
Amphetamine	3.010	808788	2632.11	46.1	13035.60	151579	54.2235 ng/ml
Benzoylcegonine	3.845	27803	264.85	7.7	∞	17139	48.9601 ng/ml
Buprenorphine	5.538	2390	273.15	16.0	1019.14	17378	4.9008 ng/ml
Bupropion	4.725	248053	967.71	69.2	1410.73	143799	49.6281 ng/ml
Carisoprodol	5.688	313054	531.22	50.3	581.18	287287	51.3105 ng/ml
Citalopram	5.193	116286	230.80	36.3	1765.83	109345	48.3005 ng/ml
Clonazepam	5.575	482639	3455.24	33.8	540461.00	110242	52.4926 ng/ml
Clonazolam	5.518	275791	462698.44	26.6	114318.78	110242	56.1784 ng/ml
Cocaine	4.225	379279	1332.54	54.0	394.98	622486	49.5697 ng/ml
Codeine	2.526	54570	345706.26	115.3	332.85	62846	53.6567 ng/ml
Cyclobenzaprine	5.592	70126	247123.29	9.2	2182.00	59814	50.4723 ng/ml
Dextromethorphan	5.236	62669	261.21	85.5	597.22	56025	50.0939 ng/ml
Dextrorphan	4.085	107147	354.51	218.7	370.72	296468	49.0590 ng/ml
Diazepam	5.905	202761	849.88	90.6	370.94	214868	50.7890 ng/ml
Dihydrocodeine	2.518	170620	1482.81	57.2	1383.09	188469	52.6849 ng/ml
Diphenhydramine	5.257	314180	383.69	25.7	306.77	353759	49.4055 ng/ml
Doxylamine	4.410	707169	7205.46	102.1	7479.37	622605	47.4413 ng/ml
Duloxetine	5.625	10704	398.04	9.5	858.92	12264	49.4446 ng/ml
EDDP	5.229	155676	2979.27	45.9	1443.29	189894	48.8770 ng/ml
Etizolam	5.778	150721	2756.94	29.7	92644.92	110242	50.8213 ng/ml
Fentanyl	5.028	5624	179.05	80.1	5243.22	78789	4.5938 ng/ml
Fluorofentanyl	5.075	23510	∞	40.9	2863.43	988	4.7033 ng/ml
Fluoxetine	5.678	102682	669.96	7.3	22068.03	73441	50.8352 ng/ml
Hydrocodone	2.972	219954	∞	26.8	∞	248341	52.9326 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	241564	569805.51	72.2	999549.64	139951	50.5318 ng/ml
Hydroxyzine	5.654	64446	827.02	69.5	1269.38	56025	53.0264 ng/ml
Ketamine	3.976	389906	1907.30	39.5	1354.42	297925	51.6374 ng/ml
Lamotrigine	4.214	34134	178.66	85.4	817.09	1149222	53.7521 ng/ml
Lorazepam	5.711	345065	5489.62	49.5	694.35	430989	56.1599 ng/ml
MDA	3.157	424324	2048.07	26.7	473.85	198474	54.1922 ng/ml
MDMA	3.252	279478	3932.54	76.2	1118.79	58315	49.1903 ng/ml
Meprobamate	4.869	150255	1066.79	25.5	2478.57	138870	54.2500 ng/ml
Methadone	5.630	172491	457.56	40.9	396.13	114478	48.2678 ng/ml
Methamphetamine	3.178	462262	1372.87	43.0	10063.92	549661	51.0953 ng/ml
Metoprolol	4.287	81003	1154.42	99.8	1634.56	706651	53.3544 ng/ml
Mirtazapine	4.499	279875	39000.06	49.1	981.23	384832	53.4627 ng/ml
Mitragynine	5.156	22521	28624.43	32.9	467.63	114478	50.5717 ng/ml
Morphine	1.227	43234	291.76	33.6	8838.26	22875	51.3906 ng/ml
Norbuprenorphine	4.965	353	239.63	64.3 <b>Low</b>	47.51	2536	7.5453 ng/ml
Nordiazepam	5.851	204701	2058.06	64.9	16823.98	150736	50.3299 ng/ml
Norfentanyl	4.044	100483	150223.33	34.4	336.14	768467	4.8341 ng/ml
Norhydrocodone	3.034	23380	119.13	32.6	340.14	51475	43.0626 ng/ml
Noroxycodone	2.877	206081	768.85	49.9	2530.89	109406	51.4000 ng/ml
O-desmethyl-tramadol	3.332	1072172	∞	5.3	1246.50	1270899	47.7017 ng/ml
o-desmethylvenlafaxine	4.030	843266	19678.41	26.4	908.73	251672	46.9736 ng/ml
Olanzapine	3.952	29976	465.05	52.1	454.03	12194	53.0937 ng/ml
Oxazepam	5.713	355669	502.89	81.4	504.47	430989	52.3826 ng/ml
Oxycodone	2.788	423702	3434.99	29.3	875.98	303391	50.6804 ng/ml
Oxymorphone	1.385	185435	∞	45.5	327.35	107351	50.4717 ng/ml
Phentermine	3.734	123232	295.49	5.8	124.62	400117	53.9978 ng/ml
Promethazine	5.508	141841	718.82	31.4	960.21	131827	48.1391 ng/ml
Pseudoephedrine	2.542	1121165	6766.93	15.5	1877.43	1149222	46.6249 ng/ml
Quetiapine	5.456	201378	286990.59	51.0	111389.38	46234	52.7221 ng/ml
Sertraline	5.747	42063	8874.04	99.1	658.73	41567	48.7579 ng/ml
Temazepam	5.781	526398	1108.83	29.8	248.31	566817	48.8046 ng/ml
Tramadol	4.207	744215	∞	3.3	227.44	706651	51.3821 ng/ml
Trazodone	4.870	235776	239.33	50.7	256.51	131473	54.3019 ng/ml
Venlafaxine	5.010	507626	11794.07	36.7	467.14	599492	48.9458 ng/ml
Zolpidem	4.654	872580	4702.23	29.5	4214.62	754394	50.6992 ng/ml



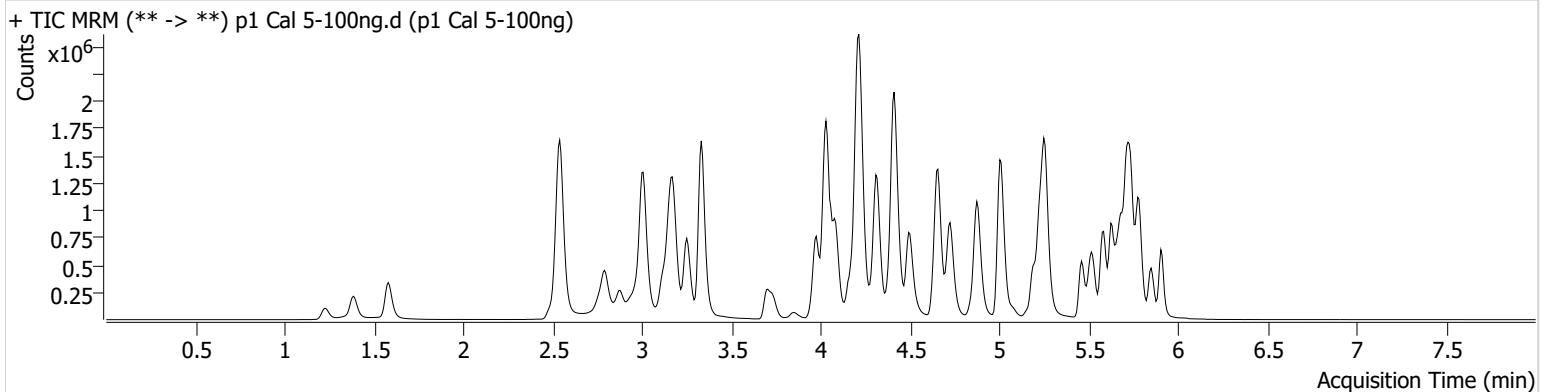
# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
Calibration Last Update 8/22/2023 9:00:38 AM

**Instrument** Falco (069901) **Data File** p1 Cal 5-100ng.d  
**Type** Cal **Sample** p1 Cal 5-100ng  
**Acq. Method** AM 28 MDQ P1 Updated 081023.m **Operator** Celena Shrum  
**Sample Position** P2-D12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/16/2023 9:35:15 AM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	22167	82118.51	74.5	2894.43	64737	9.7302 ng/ml
7-aminoclonazepam	4.164	460896	635.72	82.6	666.61	182732	104.8800 ng/ml
a-hydroxyalprazolam	5.662	192868	264.11	79.4	753.95	77490	100.9517 ng/ml
alpha-PHP	4.882	377705	3582.16	271.8	6140.15	670233	143.1046 ng/ml
alpha-PVP	4.317	1778828	89302.56	45.1	1170.37	670233	99.2989 ng/ml
Alprazolam	5.733	759432	∞	117.4	∞	279557	99.3323 ng/ml
Amphetamine	3.010	2565421	18416.09	46.8	3068.24	250069	105.1906 ng/ml
Benzoylcegonine	3.838	54885	1917.43	7.2	10808.67	17085	97.1836 ng/ml
Buprenorphine	5.538	15746	11640.97	13.9	1878.32	55937	10.0405 ng/ml
Bupropion	4.725	1231560	1264.21	68.7	1661.52	352328	100.4577 ng/ml
Carisoprodol	5.688	639287	495.57	52.2	270.03	295437	102.0072 ng/ml
Citalopram	5.193	663295	30462.49	36.0	296872.43	301829	99.6080 ng/ml
Clonazepam	5.575	1111045	9510.55	34.3	507.03	127539	104.9144 ng/ml
Clonazolam	5.518	563892	344129.89	26.9	134923.62	127539	99.5329 ng/ml
Cocaine	4.225	1136889	746.36	54.3	16139.22	923508	100.0228 ng/ml
Codeine	2.526	118809	3174.86	109.3	395.41	70060	105.3643 ng/ml
Cyclobenzaprine	5.592	250888	1867.10	8.6	203.97	107249	100.4926 ng/ml
Dextromethorphan	5.229	364767	8398.02	77.6	4351.11	161198	101.5206 ng/ml
Dextrorphan	4.085	402656	1816.10	221.7	2145.58	557792	97.8994 ng/ml
Diazepam	5.905	501738	937.19	89.9	658.77	261983	103.1797 ng/ml
Dihydrocodeine	2.518	376991	1247.40	56.9	18229.53	209958	105.0018 ng/ml
Diphenhydramine	5.257	1790726	3716626.71	27.0	8472.48	1006563	99.0194 ng/ml
Doxylamine	4.410	2731977	14843.51	98.2	13291.38	1138258	99.6895 ng/ml
Duloxetine	5.625	26045	2977.57	11.3	934.23	14425	102.7349 ng/ml
EDDP	5.229	828738	1004.05	46.0	775.28	499635	98.8361 ng/ml
Etizolam	5.778	344406	4905.11	28.0	181068.08	127539	100.2770 ng/ml
Fentanyl	5.028	24003	109.50	82.0	195.77	156047	9.4089 ng/ml
Fluorofentanyl	5.075	90506	633.67	42.4	4865.00	1841	9.6988 ng/ml
Fluoxetine	5.678	249787	938.45	7.8	1276.94	91774	99.3481 ng/ml
Hydrocodone	2.972	548093	243.54	28.5	676.98	310808	106.1265 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	531399	5653.63	71.4	7195.48	155562	99.8797 ng/ml
Hydroxyzine	5.661	278264	6210.77	76.6	915.06	161198	80.1792 ng/ml
Ketamine	3.976	1109624	4947.06	39.1	6562.67	426463	103.3202 ng/ml
Lamotrigine	4.221	74214	4664.53	85.8	62835.22	1349436	99.8605 ng/ml
Lorazepam	5.711	642018	10631.41	49.4	903.41	436011	104.5051 ng/ml
MDA	3.157	1435790	11939.39	25.2	530.07	352159	103.7247 ng/ml
MDMA	3.252	1036175	11135.39	77.2	4821.57	103446	102.6613 ng/ml
Meprobamate	4.862	274856	5949.13	25.5	412.51	129750	107.0918 ng/ml
Methadone	5.630	1023708	1606.12	41.1	1205905.01	326008	100.6360 ng/ml
Methamphetamine	3.178	1539536	1623.54	42.2	1876.73	886970	106.1409 ng/ml
Metoprolol	4.287	239784	175332.88	100.5	4173.55	1032493	108.1532 ng/ml
Mirtazapine	4.492	1376426	7243.28	49.0	97163.36	670233	150.9227 ng/ml
Mitragynine	5.156	129388	231073.30	31.6	786.02	326008	101.8489 ng/ml
Morphine	1.227	91042	280.90	33.1	∞	24239	102.3047 ng/ml
Norbuprenorphine	4.958	1311	1266.28	100.7	911.42	7082	10.1201 ng/ml
Nordiazepam	5.851	485133	∞	65.8	1068.61	176697	101.9207 ng/ml
Norfentanyl	4.044	242987	22818.70	35.8	556.94	902774	9.9094 ng/ml
Norhydrocodone	3.034	56767	153.55	32.4	644.89	50509	104.1806 ng/ml
Noroxycodone	2.877	499627	1267.14	48.2	441.16	131198	104.6620 ng/ml
O-desmethyl-tramadol	3.332	2592083	84653.81	5.4	18977.16	1478752	98.6729 ng/ml
o-desmethylvenlafaxine	4.030	1979576	103373.27	26.7	3101.15	287983	95.7713 ng/ml
Olanzapine	3.946	145127	1809.29	56.6	467.91	30886	102.2827 ng/ml
Oxazepam	5.713	719063	392.02	80.1	630.12	436011	105.0376 ng/ml
Oxycodone	2.788	1093317	2107.74	28.5	3561.35	388513	102.2782 ng/ml
Oxymorphone	1.385	417279	∞	44.1	∞	119845	101.8587 ng/ml
Phentermine	3.734	430483	1142.59	5.2	260.85	700209	108.4471 ng/ml
Promethazine	5.508	493487	591.61	32.0	3561.75	221971	99.1857 ng/ml
Pseudoephedrine	2.549	2771439	2064.61	15.2	12705.87	1349436	97.1860 ng/ml
Quetiapine	5.456	773045	508.84	56.0	2013.07	97582	96.2338 ng/ml
Sertraline	5.747	90248	4045.43	99.0	12233.72	43233	100.8351 ng/ml
Temazepam	5.781	1095290	9340.03	29.8	2043.11	587454	97.6811 ng/ml
Tramadol	4.207	2183684	∞	3.6	576.23	1032493	103.2361 ng/ml
Trazodone	4.870	782558	52353.14	54.2	192611.05	231763	103.7007 ng/ml
Venlafaxine	5.003	1960360	982.40	35.5	8026.80	1143150	98.7613 ng/ml
Zolpidem	4.654	2364246	7623.01	29.3	2362.06	1029294	100.6811 ng/ml



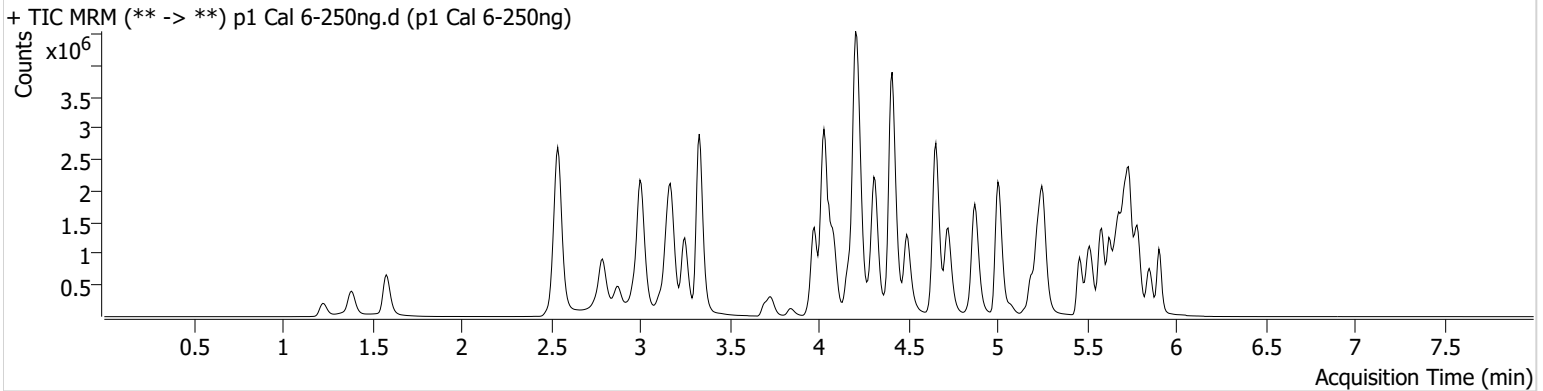
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Calibration Last Update** 8/22/2023 9:00:38 AM

**Instrument** Falco (069901) **Data File** p1 Cal 6-250ng.d  
**Type** Cal **Sample** p1 Cal 6-250ng  
**Acq. Method** AM 28 MDQ P1 Updated 081023.m **Operator** Celena Shrum  
**Sample Position** P2-C12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/16/2023 9:45:53 AM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	52741	1017.60	72.5	606.29	58958	25.3907 ng/ml
7-aminoclonazepam	4.164	1040034	492.00	79.2	2990.65	167023	259.8824 ng/ml
a-hydroxyalprazolam	5.656	389567	649.48	77.8	610.22	58383	270.1726 ng/ml
alpha-PHP	4.882	600892	2697.55	270.9	6861.34	501618	304.2684 ng/ml
alpha-PVP	4.317	3344469	105993.92	46.4	5633.92	501618	249.1662 ng/ml
Alprazolam	5.733	1587395	∞	109.5	5864.81	215676	267.5423 ng/ml
Amphetamine	3.003	4355701	47075.72	45.8	21879.20	185999	241.4213 ng/ml
Benzoylcegonine	3.838	139511	8727.15	7.8	2763.38	16769	252.0418 ng/ml
Buprenorphine	5.538	21429	20529.30	14.5	1101.52	30256	25.2760 ng/ml
Bupropion	4.725	2070561	156454.80	68.6	28754.16	239486	248.3205 ng/ml
Carisoprodol	5.688	1213088	1025.19	49.6	568.00	226703	252.4265 ng/ml
Citalopram	5.186	1045877	718.99	35.9	13295.12	181759	260.5111 ng/ml
Clonazepam	5.575	2103013	80416.93	33.9	35115.78	102094	248.7183 ng/ml
Clonazolam	5.518	1098307	1150898.65	27.6	51923.82	102094	242.6415 ng/ml
Cocaine	4.225	2230545	97728.37	54.1	7532.04	724070	250.1034 ng/ml
Codeine	2.526	217222	218.12	109.6	212.56	61311	220.7849 ng/ml
Cyclobenzaprine	5.592	537334	162102.70	8.6	94630.75	91332	252.4096 ng/ml
Dextromethorphan	5.229	545014	562.94	77.2	385.31	98196	249.2688 ng/ml
Dextrorphan	4.085	693180	2153.45	222.4	2707.30	374302	251.0135 ng/ml
Diazepam	5.905	968305	13146.69	89.0	44856.38	214457	243.3907 ng/ml
Dihydrocodeine	2.511	788740	23712.59	58.4	16134.04	198481	233.0137 ng/ml
Diphenhydramine	5.257	2664954	59552.73	27.0	13592.21	585446	253.4396 ng/ml
Doxylamine	4.410	5443591	11706.74	96.7	54790.64	880860	255.8875 ng/ml
Duloxetine	5.618	68010	889.99	12.1	31.08	15589	248.8356 ng/ml
EDDP	5.229	1401181	526.97	45.1	490.47	336355	248.1435 ng/ml
Etizolam	5.778	678786	1754.61	28.2	378053.41	102094	246.7383 ng/ml
Fentanyl	5.022	43424	427.24	81.0	3156.80	101328	25.4550 ng/ml
Fluorofentanyl	5.075	174927	5893.01	43.4	6508.20	1524	22.6292 ng/ml
Fluoxetine	5.678	622602	1607.34	7.5	247.57	90558	251.5768 ng/ml
Hydrocodone	2.965	1137974	∞	29.6	683.07	274012	250.9401 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	1181053	1467676.27	71.9	8491.77	138775	248.6489 ng/ml
Hydroxyzine	5.661	508609	6519.99	78.7	5738.41	98196	242.9906 ng/ml
Ketamine	3.976	2350136	9382.54	38.7	1748.73	376400	248.8666 ng/ml
Lamotrigine	4.221	139144	304.59	88.1	2773.97	1031648	245.4664 ng/ml
Lorazepam	5.711	809459	69768.97	49.0	2752.37	255881	226.1831 ng/ml
MDA	3.151	2185624	28963.59	24.5	6264.73	236116	236.0245 ng/ml
MDMA	3.252	1829993	3290.98	77.0	2497.31	74931	250.1148 ng/ml
Meprobamate	4.862	509782	155602.93	25.2	4377.36	109595	236.2510 ng/ml
Methadone	5.630	1560421	52055.50	40.7	∞	194124	257.6782 ng/ml
Methamphetamine	3.178	2872218	1182.29	41.5	24271.63	693456	254.1731 ng/ml
Metoprolol	4.287	438771	703102.93	102.7	5564.12	856441	238.6551 ng/ml
Mirtazapine	4.492	2189629	10294.14	48.7	16917.82	501618	320.7654 ng/ml
Mitragynine	5.149	194613	2474.27	31.7	817.34	194124	257.0025 ng/ml
Morphine	1.227	204211	880.14	34.0	∞	22021	252.8580 ng/ml
Norbuprenorphine	4.958	1945	418.97	100.8	2830.70	4404	24.5185 ng/ml
Nordiazepam	5.851	918435	∞	67.1	25726.07	133212	256.1840 ng/ml
Norfentanyl	4.044	448756	32295.67	37.0	904.15	670351	24.5882 ng/ml
Norhydrocodone	3.034	109160	275.73	33.8	258.91	35745	280.3178 ng/ml
Noroxycodone	2.877	984315	2504.66	49.4	767.66	106565	254.8969 ng/ml
O-desmethyl-tramadol	3.332	5988317	127289.96	5.5	12794.04	1324922	253.7785 ng/ml
o-desmethylvenlafaxine	4.030	4368562	87805.67	26.6	3676.93	242985	249.5739 ng/ml
Olanzapine	3.946	286790	1372.59	56.3	2867.54	24513	255.9833 ng/ml
Oxazepam	5.713	981244	397.21	82.3	395.46	255881	244.7091 ng/ml
Oxycodone	2.788	2470449	3719.44	28.5	2328.95	355762	252.6077 ng/ml
Oxymorphone	1.385	899954	∞	44.1	∞	104115	253.0517 ng/ml
Phentermine	3.734	736243	597.20	5.0	213.99	516220	252.4543 ng/ml
Promethazine	5.508	1093850	5191.83	31.5	660.18	189450	257.1695 ng/ml
Pseudoephedrine	2.542	5674072	40369.91	15.0	80828.43	1031648	258.7952 ng/ml
Quetiapine	5.456	1402181	71564.80	55.6	44080.98	71626	238.4284 ng/ml
Sertraline	5.747	216502	10179.26	95.6	652.39	40595	257.9914 ng/ml
Temazepam	5.788	1662219	32723.56	29.3	623.94	352400	246.6636 ng/ml
Tramadol	4.207	4446962	3214.04	3.5	680.89	856441	253.5236 ng/ml
Trazodone	4.870	1430995	2198.78	57.8	1623587.13	183704	241.3985 ng/ml
Venlafaxine	5.003	3583149	∞	35.0	1307.47	830544	247.9207 ng/ml
Zolpidem	4.654	5329704	3147.15	28.9	5555.36	920728	253.7273 ng/ml



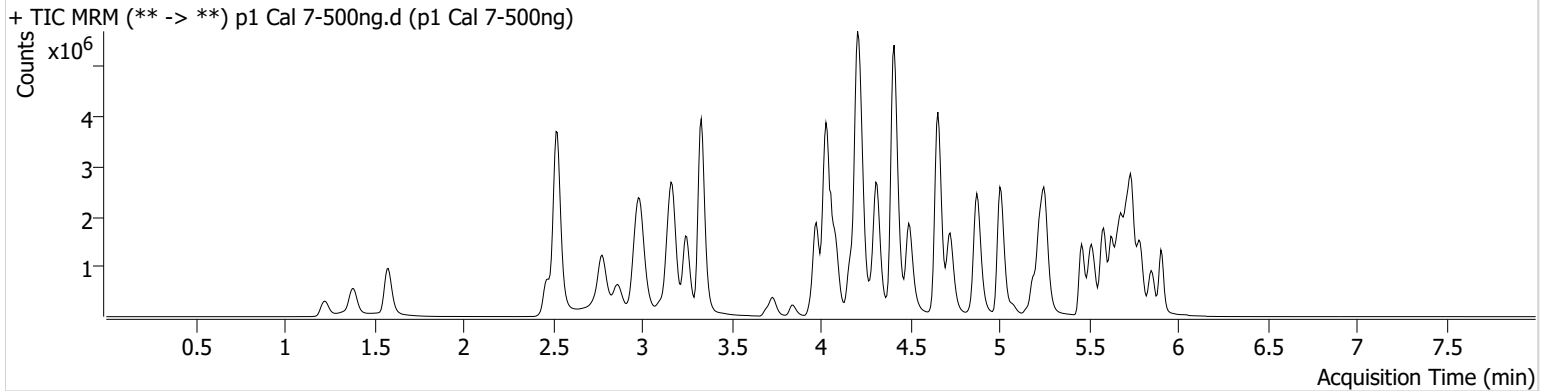
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Calibration Last Update** 8/22/2023 9:00:38 AM

**Instrument** Falco (069901) **Data File** p1 Cal 7-500ng.d  
**Type** Cal **Sample** p1 Cal 7-500ng  
**Acq. Method** AM 28 MDQ P1 Updated 081023.m **Operator** Celena Shrum  
**Sample Position** P2-B12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/16/2023 9:56:30 AM  
**Sample Info.**

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	81550	1413.11	73.4	2220.63	45403	50.9627 ng/ml
7-aminoclonazepam	4.164	1593735	14197.53	79.6	2060.85	135879	490.0942 ng/ml
a-hydroxyalprazolam	5.662	525575	1101.79	78.6	648.95	41983	506.6401 ng/ml
alpha-PHP	4.882	721577	14210.24	270.4	2570.42	313645	584.4170 ng/ml
alpha-PVP	4.317	4246101	169382.21	46.2	30153.81	313645	505.7298 ng/ml
Alprazolam	5.740	2155789	778.63	112.3	2744.23	147762	529.4293 ng/ml
Amphetamine	2.989	5696871	58669.21	45.9	40939.29	139569	421.5540 ng/ml
Benzoylcegonine	3.838	272290	685.15	7.8	6014.74	16310	506.0059 ng/ml
Buprenorphine	5.538	27048	6480.40	13.3	4324.60	20267	47.6382 ng/ml
Bupropion	4.725	2450072	712776.40	70.1	827.40	140871	499.4268 ng/ml
Carisoprodol	5.688	1583436	47756.75	51.9	638.23	152844	488.8225 ng/ml
Citalopram	5.186	1330148	2662.29	36.2	25791.73	118455	508.2011 ng/ml
Clonazepam	5.575	2781881	40969.17	33.4	∞	69054	486.8730 ng/ml
Clonazolam	5.518	1495308	1886218.50	28.6	462867.14	69054	488.7346 ng/ml
Cocaine	4.225	2954552	3180.17	54.2	48337.34	475360	504.4829 ng/ml
Codeine	2.478	377319	7034.91	107.2	206.68	46221	509.4915 ng/ml
Cyclobenzaprine	5.592	712864	2142.20	8.2	503.75	59594	512.9791 ng/ml
Dextromethorphan	5.229	687372	14088.73	76.7	26565.36	61224	504.4060 ng/ml
Dextrorphan	4.085	881646	1887.02	221.5	2668.38	233181	512.3830 ng/ml
Diazepam	5.905	1293434	6776.91	88.6	2009.21	142340	489.9375 ng/ml
Dihydrocodeine	2.464	1390091	45734.28	58.9	2635.54	160388	508.8128 ng/ml
Diphenhydramine	5.257	3408490	914.35	26.8	1072.60	374078	507.3601 ng/ml
Doxylamine	4.410	7782422	137992.61	96.0	20639.88	610225	527.5393 ng/ml
Duloxetine	5.625	83612	688.30	11.7	7548.52	9675	493.3404 ng/ml
EDDP	5.229	2205944	119324.25	45.5	458.02	261901	501.6676 ng/ml
Etizolam	5.778	928220	4789.87	28.3	351225.29	69054	498.7384 ng/ml
Fentanyl	5.028	54213	157.52	83.1	4625.53	64124	49.8047 ng/ml
Fluorofentanyl	5.075	228132	18147.43	44.0	6524.78	830	54.2050 ng/ml
Fluoxetine	5.678	716349	1047.98	7.9	254.92	52663	498.1410 ng/ml
Hydrocodone	2.959	1527389	∞	30.2	∞	198882	464.6771 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	1879971	81543.04	72.0	3200.27	109658	500.7566 ng/ml
Hydroxyzine	5.654	714449	18291.18	80.2	19749.10	61224	548.9656 ng/ml
Ketamine	3.976	3202941	2756.81	38.7	896.44	255670	500.0082 ng/ml
Lamotrigine	4.221	189499	1613.82	90.9	5603.96	777885	443.6687 ng/ml
Lorazepam	5.711	840989	29402.45	49.8	12251.52	137208	439.6027 ng/ml
MDA	3.151	2718036	8053.57	24.1	2228.84	154891	447.8158 ng/ml
MDMA	3.252	2455651	126984.12	77.4	24609.69	48979	513.3116 ng/ml
Meprobamate	4.862	709542	401330.56	25.3	439195.36	87470	412.6833 ng/ml
Methadone	5.630	2075244	1626.45	41.6	1401.17	129870	512.2831 ng/ml
Methamphetamine	3.172	4029465	1321.46	41.7	1522.90	503553	491.6593 ng/ml
Metoprolol	4.287	579951	1214578.35	102.2	2235.93	571973	472.3859 ng/ml
Mirtazapine	4.492	3210648	120794.10	48.0	5088.28	313645	752.1857 ng/ml
Mitragynine	5.156	264766	1097.54	31.1	78824.88	129870	522.4546 ng/ml
Morphine	1.227	338646	∞	33.4	∞	18672	494.7012 ng/ml
Norbuprenorphine	4.958	2767	3096.00	89.1	982.85	3067	50.3640 ng/ml
Nordiazepam	5.851	1182330	500.62	66.8	26731.97	87637	501.4566 ng/ml
Norfentanyl	4.044	666831	58970.83	36.6	588.49	491273	49.8152 ng/ml
Norhydrocodone	3.027	165671	644.64	39.2	116.92	27901	543.5133 ng/ml
Noroxycodone	2.863	1411184	3553.44	48.4	260.34	76141	512.1914 ng/ml
O-desmethyl-tramadol	3.332	9141742	2485.72	5.4	1592.31	987699	519.2621 ng/ml
o-desmethylvenlafaxine	4.030	6402421	2362.09	26.2	10077.35	169541	523.5911 ng/ml
Olanzapine	3.946	552217	2551.91	57.1	2497.91	24656	490.8459 ng/ml
Oxazepam	5.713	1078505	109.03	79.4	289.62	137208	501.9666 ng/ml
Oxycodone	2.775	3811545	∞	28.7	1387.35	279756	495.7707 ng/ml
Oxymorphone	1.385	1474035	∞	43.9	1412.43	82996	520.0675 ng/ml
Phentermine	3.734	982472	7729.58	4.8	2631.96	366304	475.3439 ng/ml
Promethazine	5.508	1434461	1069.81	32.0	828.73	124494	512.9511 ng/ml
Pseudoephedrine	2.528	8574371	5263.04	14.5	117069.16	777885	517.7778 ng/ml
Quetiapine	5.456	2216926	3559.04	57.6	46900.51	56462	478.6334 ng/ml
Sertraline	5.747	239601	2165.23	96.4	9768.71	22820	508.1366 ng/ml
Temazepam	5.788	1767533	1099.83	30.0	6011.74	185764	497.2733 ng/ml
Tramadol	4.207	5877330	∞	3.6	355.06	571973	501.7630 ng/ml
Trazodone	4.870	2318702	136623.62	59.6	140411.98	155141	464.6816 ng/ml
Venlafaxine	5.003	4729399	140115.38	34.7	732.45	536787	505.9371 ng/ml
Zolpidem	4.654	8368649	5929.33	27.7	10672.42	704300	520.8266 ng/ml



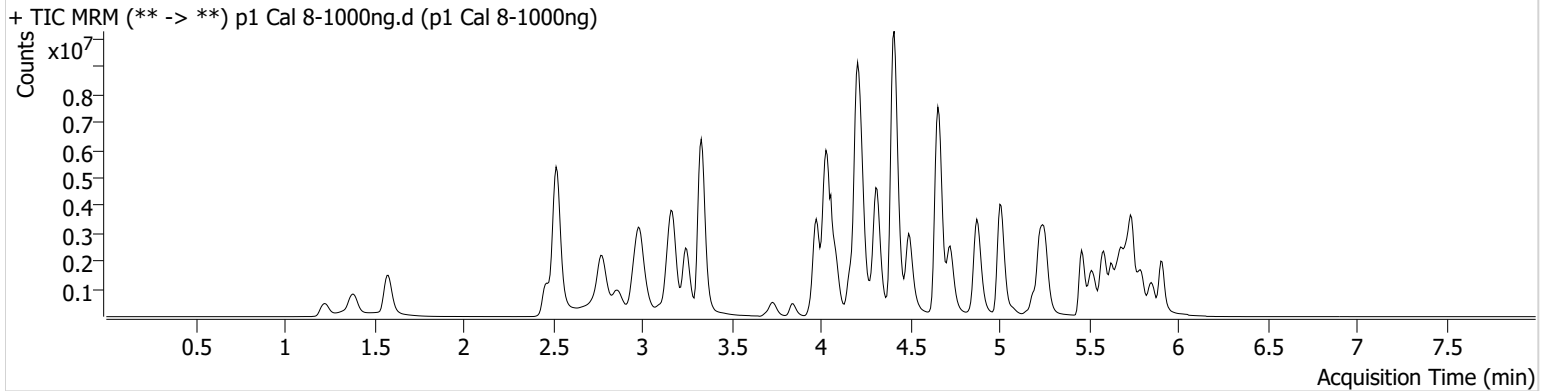
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\081523 AM 27 28 CS TS\QuantResults\AM 28 Cases.batch.bin  
**Calibration Last Update** 8/22/2023 9:00:38 AM

**Instrument** Falco (069901) **Data File** p1 Cal 8-1000ng.d  
**Type** Cal **Sample** p1 Cal 8-1000ng  
**Acq. Method** AM 28 MDQ P1 Updated 081023.m **Operator** Celena Shrum  
**Sample Position** P2-A12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/16/2023 10:07:07 AM  
**Sample Info.**

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.093	164200	2451.31	72.4	1009.30	44543	104.5771 ng/ml
7-aminoclonazepam	4.171	2482550	1529.24	80.5	10471.70	121807	852.0896 ng/ml
a-hydroxyalprazolam	5.662	780523	170.93	76.3	335.88	32885	960.3097 ng/ml
alpha-PHP	4.882	1108198	2019.92	270.8	50922.42	281081	1001.5786 ng/ml
alpha-PVP	4.317	7854249	245505.94	46.7	∞	281081	1043.6520 ng/ml
Alprazolam	5.740	3440189	2339.84	108.9	1495.82	120570	1034.5102 ng/ml
Amphetamine	2.989	7555655	101855.41	45.9	74972.42	115681	675.1631 ng/ml
Benzoylcegonine	3.838	579472	16988.89	7.5	65152.26	16449	1068.0060 ng/ml
Buprenorphine	5.538	28901	2828.85	12.9	2223.23	10108	102.0662 ng/ml
Bupropion	4.725	3583763	2140.13	69.3	1226.88	100448	1024.3844 ng/ml
Carisoprodol	5.688	2391767	50843.88	50.6	6619.11	117997	956.5272 ng/ml
Citalopram	5.193	1429284	17558.40	36.0	23891.51	64115	1008.7215 ng/ml
Clonazepam	5.575	4265200	73394.08	33.0	67498.50	57375	898.8189 ng/ml
Clonazolam	5.525	2404018	131423.97	28.9	531761.23	57375	945.9813 ng/ml
Cocaine	4.225	5531775	270311.70	53.6	2622.32	438833	1023.0262 ng/ml
Codeine	2.478	577574	∞	106.0	1511.89	39438	914.5122 ng/ml
Cyclobenzaprine	5.592	639595	1300.56	8.2	928.34	27299	1004.5450 ng/ml
Dextromethorphan	5.236	733563	803.15	77.2	601.82	32754	1006.3790 ng/ml
Dextrorphan	4.085	1209267	1317.44	222.8	50196.49	156990	1043.7705 ng/ml
Diazepam	5.911	2434987	4865.72	88.1	∞	131447	998.8825 ng/ml
Dihydrocodeine	2.457	2358202	49196.37	62.4	37498.68	159993	865.6632 ng/ml
Diphenhydramine	5.257	3855542	6154.40	27.3	9730.10	212282	1011.3703 ng/ml
Doxylamine	4.410	15442098	33886.51	95.5	389611.56	613151	1041.2727 ng/ml
Duloxetine	5.625	63644	2091.11	12.4	441.06	3628	1001.9356 ng/ml
EDDP	5.229	4157643	34640.41	44.2	668.40	238153	1039.7448 ng/ml
Etizolam	5.778	1560910	1271.38	27.7	14344.43	57375	1009.2933 ng/ml
Fentanyl	5.028	55257	359.19	83.3	76906.47	30166	107.4131 ng/ml
Fluorofentanyl	5.075	233387	21053.34	44.8	12189.97	417	110.2682 ng/ml
Fluoxetine	5.678	421447	2725.85	8.0	182.49	15489	996.8891 ng/ml
Hydrocodone	2.959	2884424	∞	31.0	∞	199070	877.3571 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.582	3297891	12584536.35	72.0	8236519.23	95614	1007.3271 ng/ml
Hydroxyzine	5.654	715545	16635.09	79.4	1517.25	32754	1028.7592 ng/ml
Ketamine	3.976	6588812	1404.42	37.7	2990.61	286901	917.1595 ng/ml
Lamotrigine	4.227	244843	1531.88	90.0	175363.74	599165	744.4952 ng/ml
Lorazepam	5.711	900588	44854.01	49.7	2955.91	69639	929.1360 ng/ml
MDA	3.144	3251533	2592.83	23.3	1107.57	111288	745.8846 ng/ml
MDMA	3.245	3794191	91552.57	77.3	28735.85	39391	986.0311 ng/ml
Meprobamate	4.862	978371	21247.42	25.7	189.58	79800	624.2009 ng/ml
Methadone	5.630	2341035	2183.73	41.2	18611.40	72439	1036.1055 ng/ml
Methamphetamine	3.172	6792303	93237.22	39.9	32610.73	461693	904.4511 ng/ml
Metoprolol	4.287	815880	2255.23	102.8	5905.13	531213	715.5769 ng/ml
Mirtazapine	4.492	5040947	15336.89	46.3	2655.31	281081	1317.7874 ng/ml
Mitragynine	5.156	280030	228584.91	33.0	114632.53	72439	990.5143 ng/ml
Morphine	1.227	563548	∞	32.5	599.06	16271	944.9151 ng/ml
Norbuprenorphine	4.958	2889	414.61	93.5	702.09	1617	99.9974 ng/ml
Nordiazepam	5.851	1696563	∞	66.8	10919.51	67783	930.4512 ng/ml
Norfentanyl	4.051	963558	39238.75	36.9	13543.90	326985	108.1025 ng/ml
Norhydrocodone	3.027	338704	137.60	37.6	113.78	20153	1535.4021 ng/ml
Noroxycodone	2.863	2104318	4010.50	49.2	6875.77	59594	976.4847 ng/ml
O-desmethyl-tramadol	3.332	16906853	492292.44	5.5	3088.14	919662	1030.9715 ng/ml
o-desmethylvenlafaxine	4.030	12007329	63332.16	24.9	8032.78	146587	1135.0660 ng/ml
Olanzapine	3.946	810261	1452.92	58.7	5569.53	19338	919.0037 ng/ml
Oxazepam	5.713	962045	1415.01	77.9	148901.51	69639	882.4896 ng/ml
Oxycodone	2.768	7814739	∞	28.3	1207.41	300041	947.8867 ng/ml
Oxymorphone	1.385	2447959	∞	45.9	∞	79275	904.3183 ng/ml
Phentermine	3.734	1451643	304.38	4.8	513.18	310647	828.6666 ng/ml
Promethazine	5.508	1242853	14930.15	32.8	1581.18	54584	1013.4031 ng/ml
Pseudoephedrine	2.522	13928392	167495.21	14.2	22741.50	599165	1090.9999 ng/ml
Quetiapine	5.456	3710479	37710.59	57.3	4129.04	44403	1019.1140 ng/ml
Sertraline	5.747	111893	1909.05	92.3	359.73	5564	973.4535 ng/ml
Temazepam	5.795	2035664	70425.72	29.6	2100.04	96913	1097.4133 ng/ml
Tramadol	4.200	9788743	972.96	3.6	151.61	531213	899.8526 ng/ml
Trazodone	4.870	3275025	70789.11	62.6	50818.03	119877	850.7742 ng/ml
Venlafaxine	5.003	8136533	15939.47	33.5	∞	443589	1052.9138 ng/ml
Zolpidem	4.654	17128727	12087.53	28.2	9896.25	809582	927.3848 ng/ml