

**Worklist: 5452**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-4894	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-4940	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-4979	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-5190	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-5206	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-5216	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-5307	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3867	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3869	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3900	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3912	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3914	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3939	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3940	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3953	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3959	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3960	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3975	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3976	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3990	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3991	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 12/09/2021

Analyst: Celena Shrum

Plate lot#: 210610

Plate Retest Date: 12/10/2021

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20725

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

LCMS-QQQ ID: 069901

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate.  
**Pipette ID: #42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right)*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. **Urine samples add 50 ul 1% HCl in MeOH**. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

## 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.

Curve Limits: 7-aminoclonazepam 5-500, alpha-hydroxyalprazolam 5-250, Amphetamine 5-500, Clonazolam 5-500, Codeine 5-500, Dihydrocodeine 5-500, Lamotrigine 5-250, Lorazepam 5-100, MDA 5-500, Meprobamate 5-250, Norfentanyl ~~5-500~~, Norhydrocodone 5-250, Phentermine 5-500  
0.5-50cs

Clonazepam reported qualitatively only due to QC 100 accuracy being outside parameters. A surrogate internal standard was used for alpha-hydroxyalprazolam and as such will be called qualitatively only.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2021-4979-1	P2021-3912-1	IS + Cal. 1	IS + QC_1	P2021-3581-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2021-5190-2	P2021-3914-1	IS + Cal. 2	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	M2021-5206-2	P2021-3939-1	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	M2021-5216-1	P2021-3940-1	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	M2021-5307-2	P2021-3953-1	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Blood NEG	P2021-3867-1	P2021-3959-1	IS + Cal. 6	P2021-3976-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2021-4894-2	P2021-3869-1	P2021-3960-1	IS + Cal. 7	P2021-3990-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2021-4940-1	P2021-3900-1	P2021-3975-1	IS + Cal. 8	P2021-3991-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1

Samples in columns 6 and 7 were moved to column 5 (F5 moved to A5, G6 moved to B5, H6 moved to C5, and A7 moved to D5) during the SLE portion of the extraction.

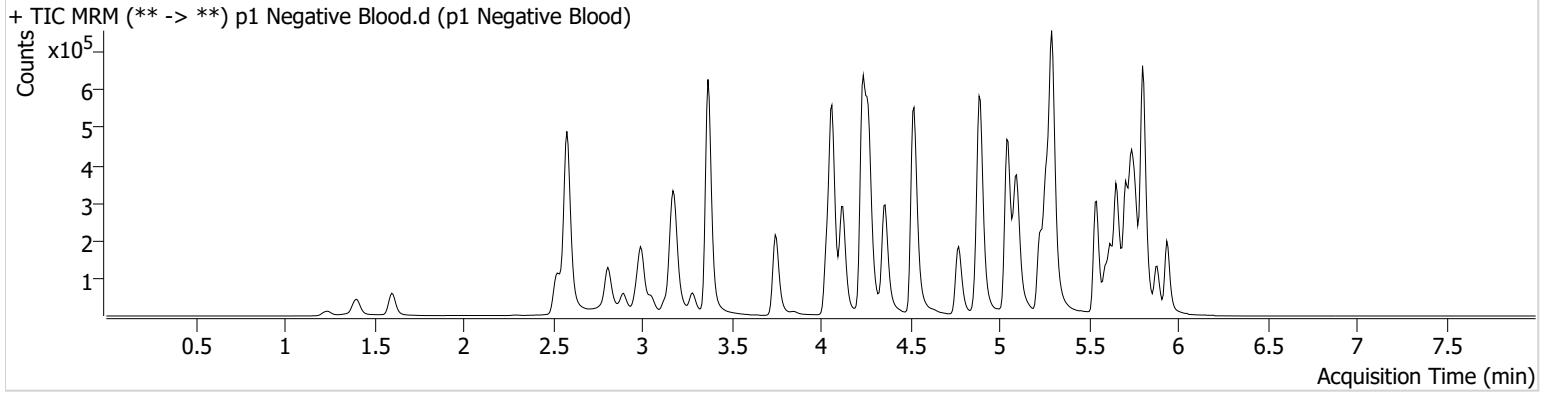


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-F2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/9/2021 7:06:29 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



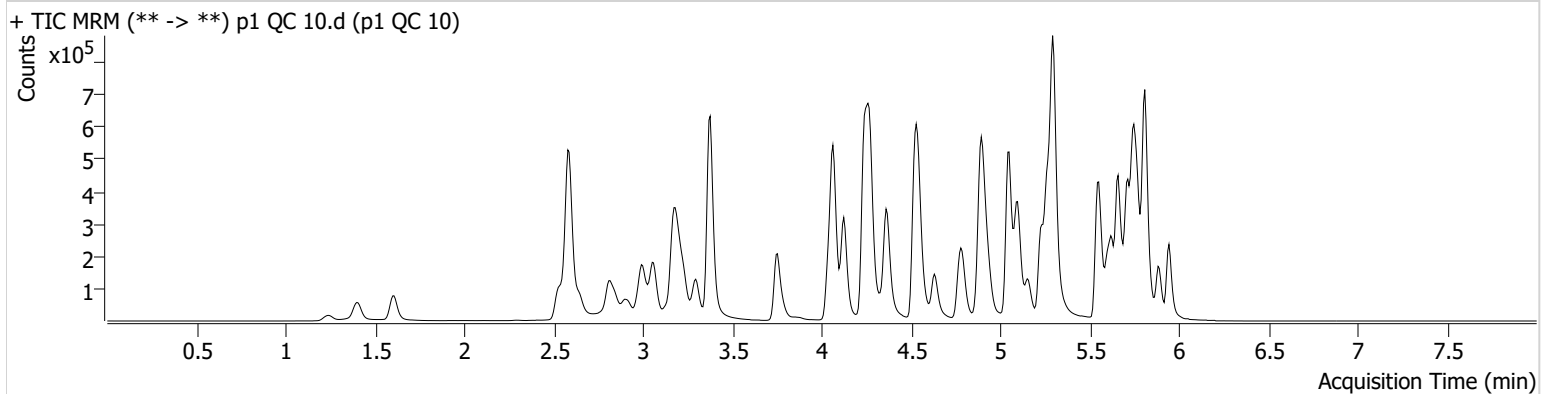
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-A2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/9/2021 6:02:48 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	2805	537.36	62.9	334.22	64509	1.0394 ng/ml
7-aminoclonazepam	4.258	42823	1777.67	78.3	798.60	224685	11.6329 ng/ml
a-hydroxyalprazolam	5.692	30084	95.76	76.0	355.57	362538	10.1477 ng/ml
alpha-PHP	4.937	44844	279.72	270.3	2986.78	623964	11.0261 ng/ml
alpha-PVP	4.370	167995	3853.02	50.1	575.82	623964	10.8735 ng/ml
Alprazolam	5.768	104031	639.63	118.7	638.23	362538	10.2393 ng/ml
Amphetamine	3.063	261433	459.31	43.9	562.11	231441	11.5434 ng/ml
Benzoylcegonine	3.879	4695	322.88	7.8	32.53	10940	12.2911 ng/ml
Buprenorphine	5.846	3236	205.74	17.8	681.39	100912	0.9734 ng/ml
Bupropion	4.795	155102	439.90	68.0	276.37	440575	10.7592 ng/ml
Carisoprodol	5.724	99925	618.34	49.5	58.75	363388	11.0245 ng/ml
Citalopram	5.226	127328	7055.71	37.1	1254.18	479152	10.8376 ng/ml
Clonazepam	5.605	140968	3604.80	34.5	89290.02	151993	11.2103 ng/ml
Clonazepam	5.548	78977	115932.78	32.6	61390.93	151993	11.0812 ng/ml
Cocaine	4.271	125377	10330.97	54.1	1054.10	863383	10.7354 ng/ml
Codeine	2.587	17005	∞	111.6	1809.36	78445	11.4080 ng/ml
Cyclobenzaprine	5.628	75062	248.25	8.6	1290.03	308260	11.2665 ng/ml
Dextromethorphan	5.275	68538	122.77	78.6	144.19	293721	11.3520 ng/ml
Dextrophan	4.125	45497	1008.76	224.6	552.76	548519	11.1339 ng/ml
Diazepam	5.946	75914	2477.29	89.2	364.52	330327	11.0670 ng/ml
Dihydrocodeine	2.559	46941	484.97	56.1	247.56	243625	10.8460 ng/ml
Diphenhydramine	5.303	316922	514.36	29.5	522.90	1451456	10.8677 ng/ml
Doxylamine	4.543	355037	9686.06	100.3	1096.82	1311158	10.3895 ng/ml
EDDP	5.268	102762	1260.07	43.7	217.49	526920	10.8749 ng/ml
Etizolam	5.813	40030	59586.73	28.7	882.28	151993	10.7655 ng/ml
Fentanyl	5.109	7719	122.71	78.5	366.98	413208	1.1768 ng/ml
Flualprazolam	5.698	36797	374.04	91.9	1624.29	362538	10.5114 ng/ml
Fluoxetine	5.714	67541	2791.98	8.1	192.83	192305	11.9127 ng/ml
Hydrocodone	3.025	70458	109.41	29.4	248.86	337713	11.5438 ng/ml
Hydromorphone	1.615	55169	200.65	72.8	32.26	162494	10.7841 ng/ml
Ketamine	4.059	122590	2039.86	38.5	462.82	445686	11.1450 ng/ml
Lamotrigine	4.287	10421	187.81	82.3	1072.01	445686	11.6490 ng/ml
Levetiracetam	2.649	50208	1606.24	145.0	559.90	1192979	9.2878 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	125765	1227.34	48.4	257.15	151993	11.8032 ng/ml
MDA	3.209	163388	1041.14	31.1	222.19	401080	11.5638 ng/ml
MDMA	3.303	113220	277.23	85.4	1951.25	116831	10.7837 ng/ml
Meprobamate	4.904	49661	4162.62	24.8	82.92	237487	11.2522 ng/ml
Methadone	5.659	170670	1525.71	53.9	3914.31	619174	11.0112 ng/ml
Methamphetamine	3.231	173847	783.95	39.3	217.00	672776	11.6375 ng/ml
Metoprolol	4.333	34147	2422.33	86.3	704.52	1106358	11.7173 ng/ml
Mirtazapine	4.631	232777	6307.22	45.9	1955.57	623964	11.1941 ng/ml
Mitragynine	5.237	36297	568.59	34.6	304.85	619174	11.7714 ng/ml
Morphine	1.247	9255	425.35	24.2	676.83	16991	11.1023 ng/ml
Norbuprenorphine	4.999	310	539.99	99.5	553.65	11469	0.9817 ng/ml
Nordiazepam	5.893	70196	13298.06	59.9	4462.43	200330	11.3323 ng/ml
Norfentanyl	4.093	26634	2519.29	33.2	205.93	1070424	1.0352 ng/ml
Norhydrocodone	3.073	6492	180.74	38.9	92.67	71033	10.2665 ng/ml
Noroxycodone	2.923	59087	348.30	47.3	9505.12	142687	11.1294 ng/ml
O-desmethyl-tramadol	3.376	260927	2676.66	5.9	2182.28	1334258	10.6327 ng/ml
Oxazepam	5.749	144243	355.60	77.8	56.82	574312	11.1755 ng/ml
Oxycodone	2.841	124594	1462.43	28.8	449.83	372479	10.6925 ng/ml
Oxymorphone	1.405	49700	1181.88	45.2	1216.58	135085	10.5853 ng/ml
Phentermine	3.783	49843	471.32	6.0	50.30	557746	11.5965 ng/ml
Promethazine	5.545	128964	5317.84	31.9	84.60	482585	11.3941 ng/ml
Pseudoephedrine	2.596	262508	709.28	16.8	2965.77	1192979	10.4792 ng/ml
Quetiapine	5.562	155860	177.52	58.4	11548.38	186506	11.3573 ng/ml
Sertraline	5.782	26122	220.69	100.8	211.97	81974	12.3010 ng/ml
Temazepam	5.816	216228	9039.76	28.7	122.11	1055746	10.8225 ng/ml
Tramadol	4.252	254854	4548.09	3.6	96.08	1106358	10.9105 ng/ml
Trazodone	5.156	146202	3049.34	75.1	491.35	468029	11.2424 ng/ml
Venlafaxine	5.050	216045	1522.54	38.3	978.72	1024468	10.7761 ng/ml
Zolpidem	4.914	299062	5148.40	31.6	6187.37	1131898	11.0787 ng/ml

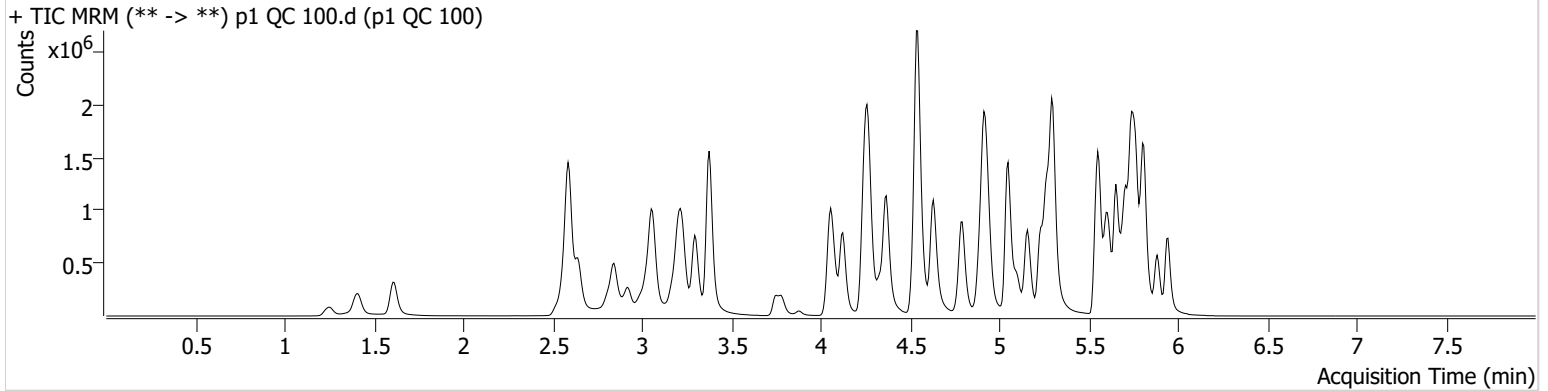


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

**Instrument** Falco (069901) **Data File** p1 QC 100.d  
**Type** QC **Sample** p1 QC 100  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-B2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 12/10/2021 12:14:17 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	28563	1224.01	69.4	50266.32	64130	11.4133 ng/ml
7-aminoclonazepam	4.258	345017	95362.30	79.5	43338.74	201134	116.6190 ng/ml
a-hydroxyalprazolam	5.685	226354	1711.17	74.4	1408.53	311792	109.8874 ng/ml
alpha-PHP	4.937	388813	965.11	263.2	435801.82	580521	114.3380 ng/ml
alpha-PVP	4.370	1533023	1067.69	50.2	35865.69	580521	111.4894 ng/ml
Alprazolam	5.762	934016	1300.79	115.5	5301.37	311792	107.6303 ng/ml
Amphetamine	3.063	1914735	1297.07	43.7	2223.20	200843	113.6354 ng/ml
Benzoylcegonine	3.879	45990	19408.31	7.7	6732.83	11772	118.2969 ng/ml
Buprenorphine	5.840	23282	5409.57	16.0	24888.45	72498	9.9838 ng/ml
Bupropion	4.795	1287696	77682.35	66.9	1900.24	381437	113.3750 ng/ml
Carisoprodol	5.717	779625	50162.98	48.7	3412.91	286271	109.7669 ng/ml
Citalopram	5.232	936126	76912.55	37.8	711.88	370659	108.3157 ng/ml
Clonazepam	5.598	1206857	1057.10	33.5	4859.59	133210	123.3094 ng/ml
Clonazepam	5.542	659321	868250.73	32.2	507138.77	133210	122.2016 ng/ml
Cocaine	4.264	1128266	1336539.72	54.4	392.00	814415	111.2374 ng/ml
Codeine	2.580	145517	916.49	110.4	690.76	74147	114.2913 ng/ml
Cyclobenzaprine	5.622	434295	230747.32	8.3	797.58	184015	104.9292 ng/ml
Dextromethorphan	5.275	457763	94500.67	79.9	471.88	212085	113.9048 ng/ml
Dextrophan	4.125	413452	1602.54	217.4	59323.81	503764	114.0703 ng/ml
Diazepam	5.946	670949	939.99	89.6	1496.87	305800	114.5651 ng/ml
Dihydrocodeine	2.559	449060	879.07	57.2	3359.40	247437	115.6750 ng/ml
Diphenhydramine	5.303	2387270	88377.33	29.4	2790.23	1122352	110.6327 ng/ml
Doxylamine	4.543	3342414	204266.27	100.9	7267.20	1261566	110.6027 ng/ml
EDDP	5.268	982148	15506.29	44.3	472.07	527864	109.8909 ng/ml
Etizolam	5.806	336295	21907.40	29.3	1864.55	133210	102.7533 ng/ml
Fentanyl	5.109	49051	1988.13	75.8	35400.52	281455	11.1368 ng/ml
Flualprazolam	5.692	313060	14480.00	96.0	1791.50	311792	113.3240 ng/ml
Fluoxetine	5.707	326976	1036.95	8.5	3013.21	102105	112.5644 ng/ml
Hydrocodone	3.025	614418	413.42	30.8	460.64	329776	118.5432 ng/ml
Hydromorphone	1.615	529030	2391974.86	72.3	3882.90	156130	114.5898 ng/ml
Ketamine	4.051	1134685	35871.79	39.7	1392.80	437221	115.4736 ng/ml
Lamotrigine	4.287	95327	2092.74	87.7	1534.70	437221	117.6945 ng/ml
Levetiracetam	2.643	452871	435.48	145.9	589.69	1084660	101.7905 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.733	792014	12432.13	45.1	1669.26	133210	97.1376 ng/ml
MDA	3.203	1258698	4759.28	29.7	4615.14	351557	114.2723 ng/ml
MDMA	3.296	1002845	5557.17	86.1	3332.97	106047	112.1782 ng/ml
Meprobamate	4.904	378733	16488.73	24.8	87926.91	217536	109.8559 ng/ml
Methadone	5.653	1292338	59072.39	51.3	72758.68	477134	107.1544 ng/ml
Methamphetamine	3.231	1131970	12206.29	39.6	11696.82	507059	117.3692 ng/ml
Metoprolol	4.333	297363	2835.38	87.2	1780.49	1097060	115.8520 ng/ml
Mirtazapine	4.631	1909394	2299.32	45.2	7130.96	580521	104.4035 ng/ml
Mitragynine	5.237	244793	2488.47	34.6	2211.20	477134	110.3506 ng/ml
Morphine	1.253	89082	434.54	23.8	236.40	17805	108.8200 ng/ml
Norbuprenorphine	4.999	2161	2369.34	98.9	4457.46	8762	12.3908 ng/ml
Nordiazepam	5.886	595427	1274.19	60.3	721.86	178140	115.5540 ng/ml
Norfentanyl	4.086	254481	502.99	33.3	4316.39	977299	10.9379 ng/ml
Norhydrocodone	3.073	58828	105.14	36.7	159.12	54357	120.7365 ng/ml
Noroxycodone	2.923	500698	3488.13	48.1	632.12	130292	113.1487 ng/ml
O-desmethyl-tramadol	3.376	2521177	63686.80	6.1	10210.28	1305292	109.7241 ng/ml
Oxazepam	5.743	1018921	24912.90	77.1	1374.40	424696	117.3978 ng/ml
Oxycodone	2.841	1220290	2829.46	28.0	918.52	375792	113.5017 ng/ml
Oxymorphone	1.405	460986	∞	44.2	832.54	126441	116.9706 ng/ml
Phentermine	3.783	380035	354.08	6.0	239.23	483046	115.1913 ng/ml
Promethazine	5.545	705454	1982.68	33.3	3109.45	294151	106.5482 ng/ml
Pseudoephedrine	2.596	2374515	2682.80	16.6	56537.93	1084660	106.8995 ng/ml
Quetiapine	5.555	1279582	66692.09	58.7	22681.03	161907	119.2382 ng/ml
Sertraline	5.776	133829	373.04	101.8	3099.51	49777	105.9300 ng/ml
Temazepam	5.810	1681775	1504.42	28.3	670.94	844842	111.7385 ng/ml
Tramadol	4.246	2348058	23078.06	3.5	411.68	1097060	110.1333 ng/ml
Trazodone	5.156	1176168	80391.40	77.3	54553.63	391796	117.0003 ng/ml
Venlafaxine	5.050	1970534	176838.14	36.7	1014.56	939986	109.2688 ng/ml
Zolpidem	4.914	2917875	43975.81	29.8	1943.65	1138043	119.3966 ng/ml



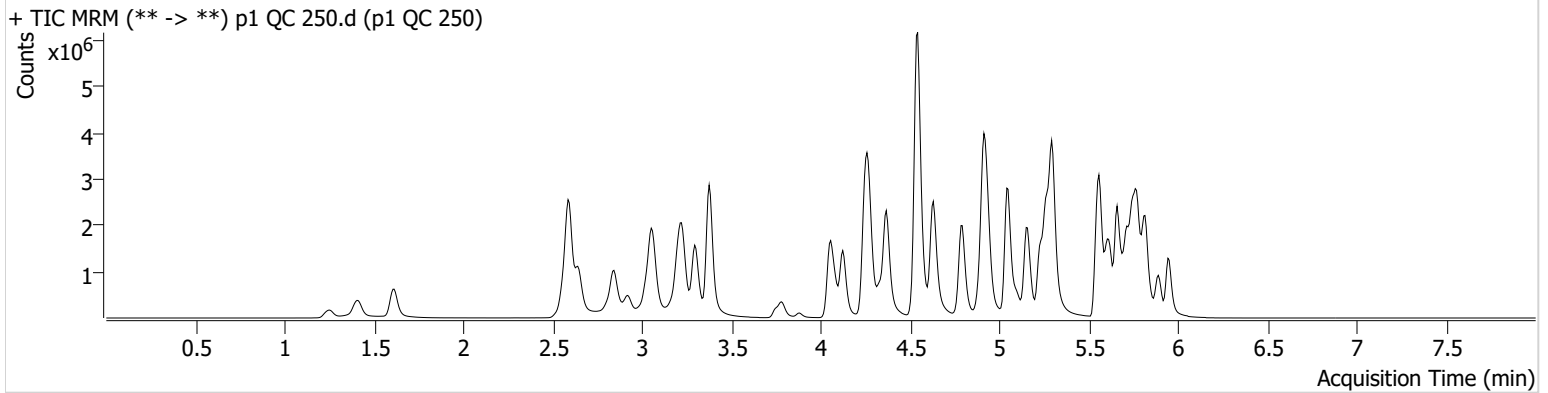
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/9/2021 6:24:02 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	67817	1588.56	68.9	377.59	62857	27.7650 ng/ml
7-aminoclonazepam	4.258	620802	31606.01	81.6	52639.82	165265	257.1521 ng/ml
a-hydroxyalprazolam	5.685	338635	1425.78	75.8	3234.53	246640	210.2511 ng/ml
alpha-PHP	4.937	845377	9901.45	262.9	6561.88	543106	267.5693 ng/ml
alpha-PVP	4.370	3526547	88538.83	50.7	903.70	543106	274.9383 ng/ml
Alprazolam	5.768	1894077	1230.16	113.0	1561.62	246640	276.0390 ng/ml
Amphetamine	3.056	3948688	578.30	43.3	45323.85	197577	240.6093 ng/ml
Benzoylcegonine	3.879	112847	639.52	8.0	20254.63	12001	285.8405 ng/ml
Buprenorphine	5.846	54325	5126.79	15.2	19416.43	62443	27.0906 ng/ml
Bupropion	4.795	3081159	1117.50	67.0	28679.27	379913	274.0339 ng/ml
Carisoprodol	5.724	1296334	813724.53	50.9	4952.80	193566	270.0255 ng/ml
Citalopram	5.226	2044555	76327.62	38.4	15148.82	323506	271.9885 ng/ml
Clonazepam	5.605	2182994	44333.59	33.6	46386.57	109007	274.4751 ng/ml
Clonazepam	5.542	1097617	33872.48	35.5	567710.45	109007	250.6283 ng/ml
Cocaine	4.271	2402835	70834.98	55.0	3334.98	722281	268.5653 ng/ml
Codeine	2.580	278956	1684.24	105.1	1370.70	65014	251.4963 ng/ml
Cyclobenzaprine	5.628	1070488	19487.34	7.8	329.36	180329	263.1810 ng/ml
Dextromethorphan	5.275	945360	29482.50	79.5	727.05	182545	274.8087 ng/ml
Dextrophan	4.125	927254	2607.15	220.3	504883.43	448601	287.9510 ng/ml
Diazepam	5.946	1381594	439.38	90.2	44734.83	255611	283.7532 ng/ml
Dihydrocodeine	2.559	951484	9533.00	58.5	403.00	240394	254.1725 ng/ml
Diphenhydramine	5.296	5380475	88379.04	29.0	41731.53	1008511	278.3142 ng/ml
Doxylamine	4.543	8115083	4900.81	99.6	2457.03	1244971	273.6004 ng/ml
EDDP	5.261	2481186	53505.50	44.2	759.06	532202	276.4352 ng/ml
Etizolam	5.806	703029	25020.10	28.5	404114.31	109007	262.4221 ng/ml
Fentanyl	5.103	121167	71701.73	77.0	618.32	285628	27.1362 ng/ml
Flualprazolam	5.698	575848	39426.91	101.5	41368.76	246640	264.9058 ng/ml
Fluoxetine	5.714	738727	37895.72	8.4	2087.00	92977	280.0000 ng/ml
Hydrocodone	3.025	1306778	714.50	31.3	407.62	310917	269.8643 ng/ml
Hydromorphone	1.615	1167059	7926600.29	72.6	5180.29	142673	277.7291 ng/ml
Ketamine	4.051	2578882	1280.36	39.0	13538.47	421146	274.1258 ng/ml
Lamotrigine	4.287	194581	787.68	88.8	1061.97	421146	250.6274 ng/ml
Levetiracetam	2.649	964029	45701.45	146.4	52105.95	937148	252.3724 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
<del>Lorazepam</del>	<del>5.740</del>	<del>955407</del>	<del>50946.19</del>	<del>47.1</del>	<del>960.34</del>	<del>109007</del>	<del>144.1397 ng/ml</del> *
MDA	3.203	2314287	47895.01	28.9	7862.38	289799	256.8767 ng/ml
MDMA	3.296	2190917	116504.06	86.2	36291.36	93528	279.0534 ng/ml
Meprobamate	4.904	638943	22765.88	24.7	691.74	190811	213.3294 ng/ml
Methadone	5.659	2900301	191974.97	50.8	2241.85	437705	261.9707 ng/ml
Methamphetamine	3.231	2942539	2513.10	39.1	4293.74	576050	271.3968 ng/ml
Metoprolol	4.333	625185	1263837.04	89.4	20465.47	970822	277.5324 ng/ml
Mirtazapine	4.631	4437833	149252.97	45.0	9795.99	543106	260.4567 ng/ml
Mitragynine	5.237	554155	1275348.83	33.8	1041.81	437705	273.6989 ng/ml
Morphine	1.253	200253	263.95	23.1	278.46	15677	279.1227 ng/ml
Norbuprenorphine	4.999	4647	257.25	109.7	4633.27	7763	30.6746 ng/ml
Nordiazepam	5.893	1108385	20946.11	60.3	2132.65	140542	273.8350 ng/ml
Norfentanyl	4.086	606109	113217.17	32.7	8014.90	875902	29.0856 ng/ml
Norhydrocodone	3.073	139111	1196.75	37.4	223.69	44873	345.7057 ng/ml
Noroxycodone	2.916	962732	8555.25	48.5	3347.28	106856	266.8794 ng/ml
O-desmethyl-tramadol	3.376	5890127	167903.72	5.9	2514.98	1216927	275.7565 ng/ml
Oxazepam	5.749	1354940	26121.40	80.5	603.81	250091	266.6720 ng/ml
Oxycodone	2.841	2791248	5756.49	28.3	1438.11	367220	267.1737 ng/ml
Oxymorphone	1.405	974580	∞	45.8	∞	110933	283.7711 ng/ml
Phentermine	3.783	838317	3751.97	5.7	1772.42	485248	254.9545 ng/ml
Promethazine	5.545	1810052	2001.62	32.1	839.19	298790	269.9581 ng/ml
Pseudoephedrine	2.596	5248900	193794.03	16.3	62462.45	937148	273.9587 ng/ml
Quetiapine	5.562	2813155	90822.45	61.6	456.29	156575	272.8520 ng/ml
Sertraline	5.782	317736	27031.70	98.0	469.66	45603	274.9770 ng/ml
Temazepam	5.816	2747286	47905.23	28.3	910.19	569845	271.6866 ng/ml
Tramadol	4.246	5210216	1669.15	3.5	418.26	970822	277.7496 ng/ml
Trazodone	5.156	2892403	96113.50	77.6	162394.91	409552	276.6576 ng/ml
Venlafaxine	5.043	4641134	13930.06	36.3	1233.35	883010	274.3251 ng/ml
Zolpidem	4.914	6560681	238941.12	28.9	868.67	1120973	274.2967 ng/ml

\*Outside curve range.

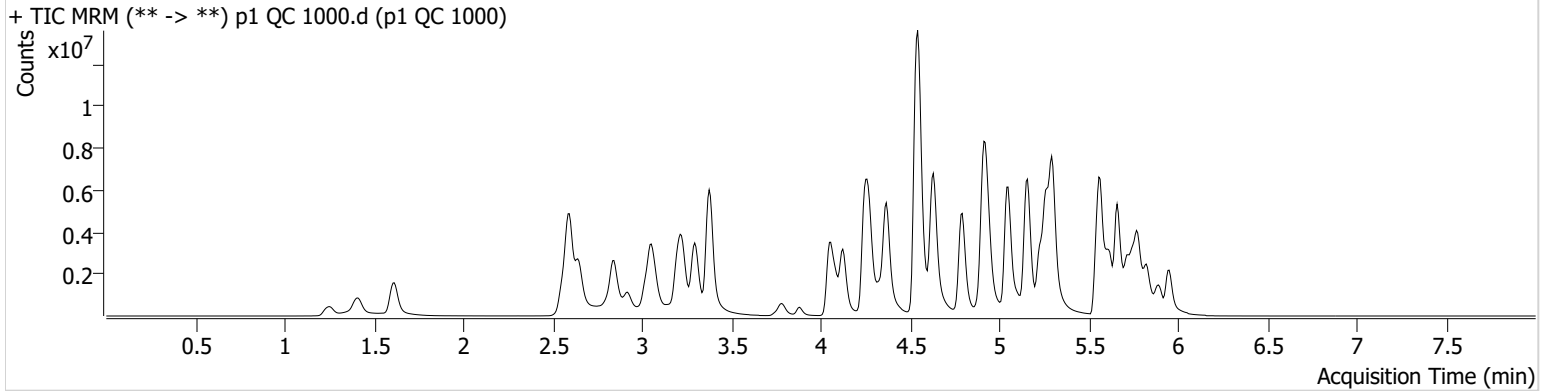


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
Calibration Last Update 12/13/2021 11:53:04 AM

Instrument Falco (069901) Data File p1 QC 1000.d  
Type QC Sample p1 QC 1000  
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum  
Sample Position P2-D2 Comment  
Injection Volume 2  
Acq. Date-Time 12/9/2021 6:45:16 PM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	227286	6874.20	68.3	1246.04	53030	110.5435 ng/ml
<del>7-aminoclonazepam</del>	<del>4.258</del>	<del>761041</del>	<del>19762.00</del>	<del>81.3</del>	<del>40551.40</del>	<del>82020</del>	<del>637.3883 ng/ml</del> *
<del>a-hydroxyalprazolam</del>	<del>5.685</del>	<del>435947</del>	<del>794.42</del>	<del>75.0</del>	<del>233.12</del>	<del>116404</del>	<del>578.2092 ng/ml</del> *
alpha-PHP	4.944	1857538	3429.60	268.3	179614.75	361070	887.5452 ng/ml
alpha-PVP	4.370	9502256	5781.36	50.3	545778.99	361070	1115.9870 ng/ml
Alprazolam	5.768	3797532	667.07	111.2	355.30	116404	1172.9058 ng/ml
<del>Amphetamine</del>	<del>3.056</del>	<del>7035848</del>	<del>780.10</del>	<del>43.9</del>	<del>279.11</del>	<del>130753</del>	<del>651.5142 ng/ml</del> *
Benzoylcegonine	3.879	472541	1326.69	8.0	34449.13	11714	1228.8656 ng/ml
Buprenorphine	5.846	126151	32697.06	15.2	48184.18	27525	142.8248 ng/ml
Bupropion	4.795	8207987	1985327.85	65.5	77537.92	261361	1064.5437 ng/ml
Carisoprodol	5.724	2026582	2764871.01	49.1	23580.85	71908	1136.5421 ng/ml
Citalopram	5.226	4566115	72758.60	38.7	164213.60	173895	1132.0104 ng/ml
Clonazepam	5.605	3779559	80729.74	33.1	28539.93	52554	989.7627 ng/ml
<del>Clonazepam</del>	<del>5.542</del>	<del>1610629</del>	<del>854792.42</del>	<del>34.5</del>	<del>958649.28</del>	<del>52554</del>	<del>766.8091 ng/ml</del> *
Cocaine	4.271	5826313	164633.84	53.7	28777.08	429842	1097.4280 ng/ml
<del>Codeine</del>	<del>2.580</del>	<del>569101</del>	<del>405.62</del>	<del>101.4</del>	<del>4054.98</del>	<del>38008</del>	<del>881.0416 ng/ml</del> *
Cyclobenzaprine	5.628	2383090	31114.57	7.5	718.79	92133	1145.0873 ng/ml
Dextromethorphan	5.275	1710060	192159.56	79.5	455.16	81263	1119.9622 ng/ml
Dextrophan	4.125	2416833	25733.26	220.1	211737.71	280917	1199.9150 ng/ml
Diazepam	5.953	2939912	8925.79	89.7	67825.93	147292	1050.6479 ng/ml
<del>Dihydrocodeine</del>	<del>2.552</del>	<del>2435006</del>	<del>910.69</del>	<del>60.0</del>	<del>353.73</del>	<del>211226</del>	<del>743.3634 ng/ml</del> *
Diphenhydramine	5.303	12043402	369530.14	29.5	74158.41	566334	1110.9871 ng/ml
Doxylamine	4.545	21677980	87204.84	98.6	481458.52	967516	942.9505 ng/ml
EDDP	5.261	7850119	244428.79	42.2	138604.91	397410	1173.5734 ng/ml
Etizolam	5.813	1494329	11070.25	28.7	1429.88	52554	1156.7889 ng/ml
Fentanyl	5.103	330346	1010.06	75.7	24633.07	187981	112.4729 ng/ml
Flualprazolam	5.698	1023207	38512.53	105.6	90554.29	116404	1000.2413 ng/ml
Fluoxetine	5.721	1021867	1293633.94	8.4	155877.13	30982	1163.8621 ng/ml
Hydrocodone	3.018	3654116	313.68	32.8	402.19	245267	961.5639 ng/ml
Hydromorphone	1.615	3452754	8576959.50	72.8	13364129.8	104227	1127.1124 ng/ml
Ketamine	4.051	7202280	222392.26	37.8	14654.64	338200	956.3686 ng/ml
<del>Lamotrigine</del>	<del>4.294</del>	<del>372996</del>	<del>1394.45</del>	<del>84.3</del>	<del>375.69</del>	<del>338200</del>	<del>599.7735 ng/ml</del> *

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.649	2406586	22487.28	149.4	140154.60	522143	1134.5285 ng/ml
<del>Lorazepam</del>	<del>5.740</del>	<del>1073156</del>	<del>85409.06</del>	<del>45.4</del>	<del>664.95</del>	<del>52554</del>	<del>338.4676 ng/ml</del> *
MDA	3.196	4551316	49646.66	27.3	909.06	178716	822.7284 ng/ml *
MDMA	3.296	5335442	265234.46	85.5	6040.84	60627	1050.5265 ng/ml
<del>Meprobamate</del>	<del>4.897</del>	<del>936273</del>	<del>42175.32</del>	<del>24.6</del>	<del>4362.79</del>	<del>128017</del>	<del>468.5512 ng/ml</del> *
Methadone	5.659	7347673	193531.93	47.9	51810.87	260168	1116.1875 ng/ml
Methamphetamine	3.224	6148265	89762.30	37.8	1175.11	357673	918.4998 ng/ml
Metoprolol	4.333	1313209	661309.93	91.0	4403.19	689877	823.6183 ng/ml
Mirtazapine	4.631	12955100	3406.96	43.4	300515.76	361070	1146.1426 ng/ml
Mitragynine	5.237	1097227	10577.74	36.1	96404.57	260168	913.9344 ng/ml
Morphine	1.253	584880	1154.37	24.3	∞	13059	980.7285 ng/ml
Norbuprenorphine	4.999	11749	4779.37	95.9	410.51	5291	114.9327 ng/ml
Nordiazepam	5.893	1926733	5250.26	60.1	3327.67	66553	1007.5441 ng/ml
<del>Norfentanyl</del>	<del>4.086</del>	<del>1847214</del>	<del>60645.89</del>	<del>33.3</del>	<del>59358.25</del>	<del>505622</del>	<del>153.6059 ng/ml</del> *
<del>Norhydrocodone</del>	<del>3.073</del>	<del>470553</del>	<del>276.33</del>	<del>37.6</del>	<del>∞</del>	<del>30778</del>	<del>1704.5731 ng/ml</del> *
Noroxycodone	2.916	2257938	10431.65	47.2	515.38	65858	1018.9114 ng/ml
O-desmethyl-tramadol	3.376	16019791	721488.03	6.0	1414.80	828160	1103.6569 ng/ml
Oxazepam	5.749	1317285	10300.43	76.1	9664.21	66346	980.6068 ng/ml
Oxycodone	2.841	8332415	1228.05	27.9	768.56	291411	1008.1256 ng/ml
Oxymorphone	1.405	2607596	∞	46.7	5398.02	84090	1005.0542 ng/ml
<del>Phentermine</del>	<del>3.783</del>	<del>1786772</del>	<del>3750.14</del>	<del>5.5</del>	<del>2934.62</del>	<del>333720</del>	<del>793.6662 ng/ml</del> *
Promethazine	5.545	3866482	87485.91	30.4	4022.73	155808	1107.5167 ng/ml
Pseudoephedrine	2.596	12856899	2416.86	15.7	113308.62	522143	1205.4065 ng/ml
Quetiapine	5.562	8111012	3587925.70	60.6	402068.43	129163	957.1511 ng/ml
Sertraline	5.789	416474	10061.05	97.9	17187.89	15061	1092.1733 ng/ml
Temazepam	5.823	3484527	74788.17	28.1	7209.84	179654	1095.2888 ng/ml
Tramadol	4.246	12826326	9481.43	3.4	7776.84	689877	964.8090 ng/ml
Trazodone	5.156	10277733	871398.46	78.6	426581.37	412006	979.8439 ng/ml
Venlafaxine	5.050	12362487	287928.12	35.4	4735.76	573988	1124.8582 ng/ml
Zolpidem	4.914	16608298	6830.59	28.8	447093.40	891315	876.2775 ng/ml

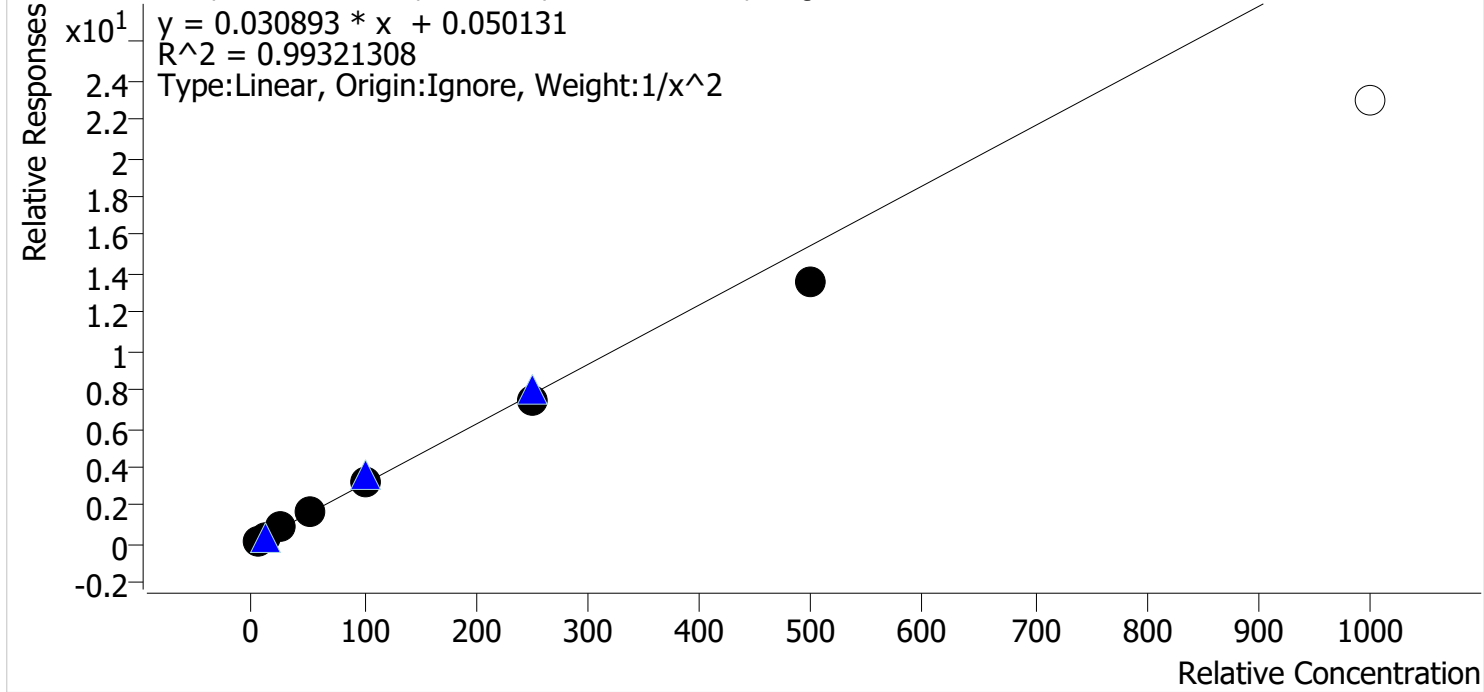
\*Outside curve range.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.6	105.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	240.1	96.0
p1 Cal 7-500ng	7	✓	500.0	440.1	88.0
p1 Cal 8-1000ng	8	✗	1000.0	744.9	74.5

Calibrator 8 dropped due to not meeting accuracy requirement.

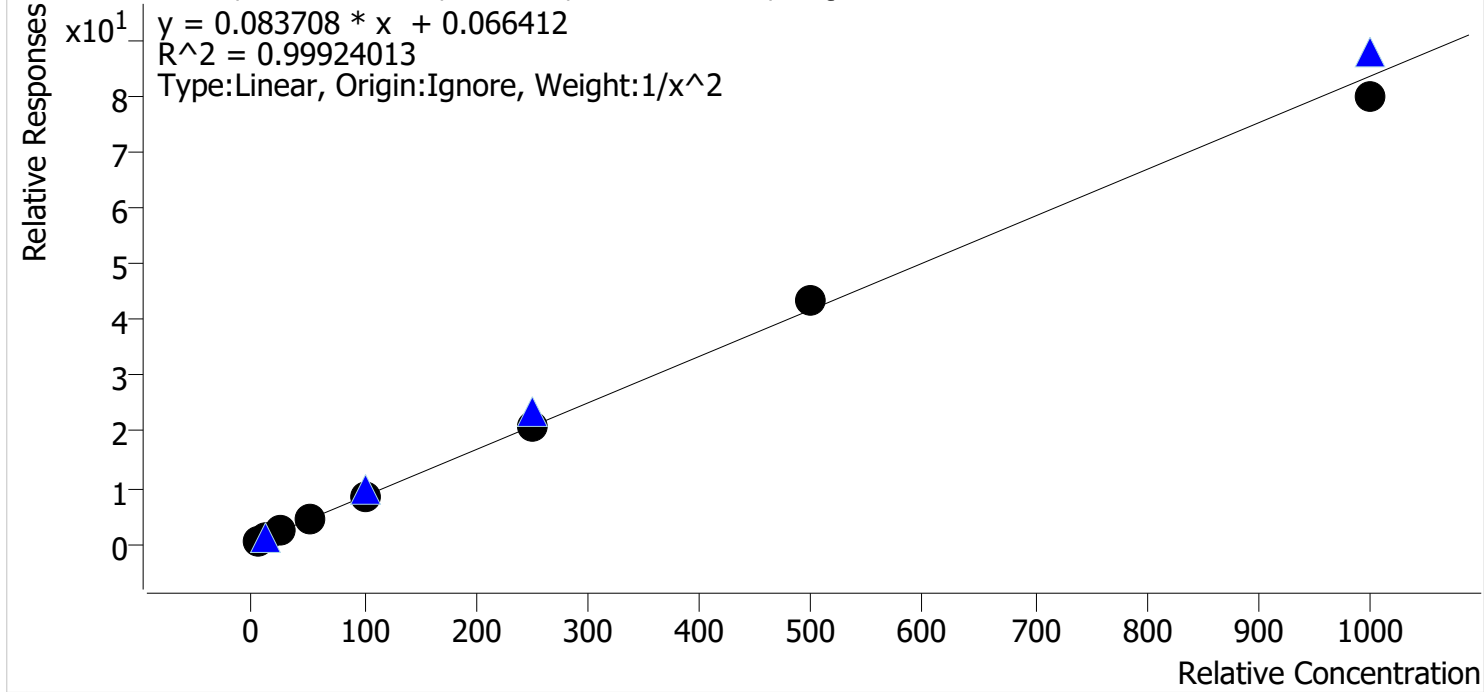
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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



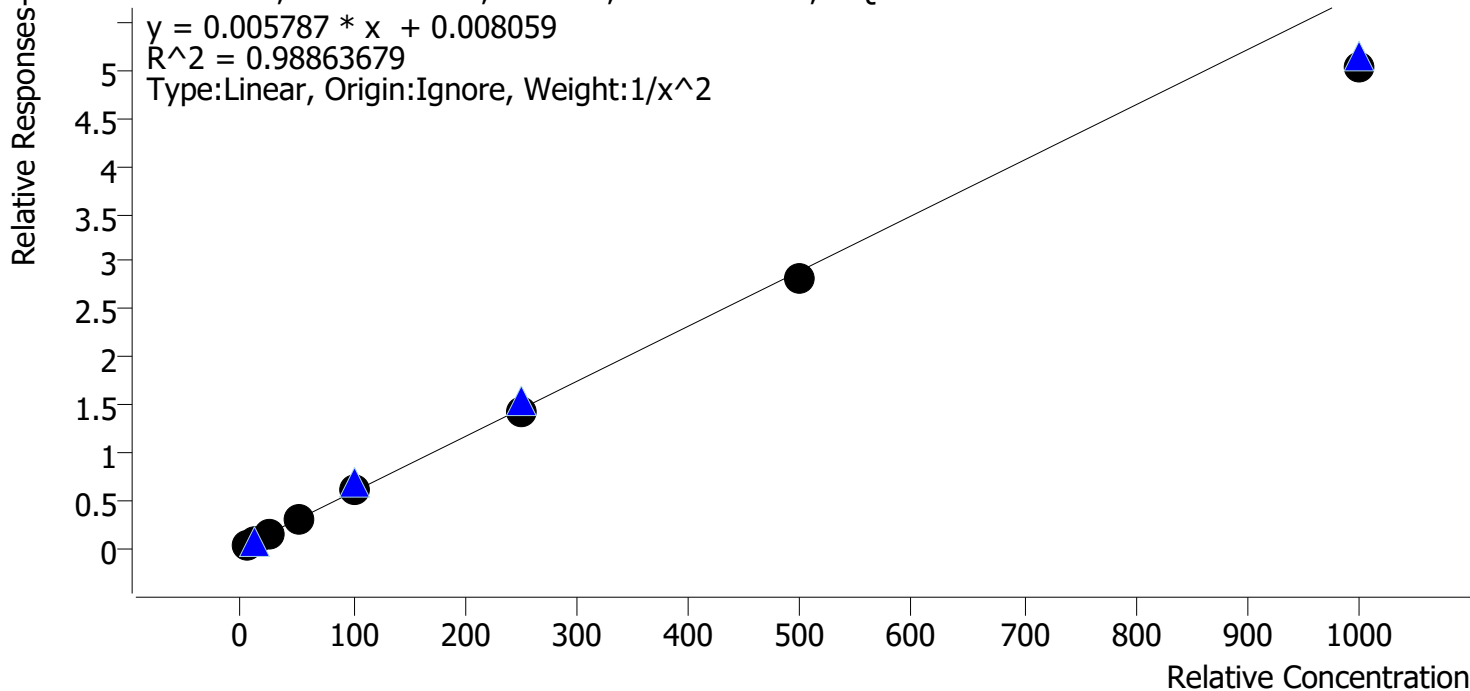
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	517.3	103.5
p1 Cal 8-1000ng	8	✓	1000.0	952.9	95.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

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

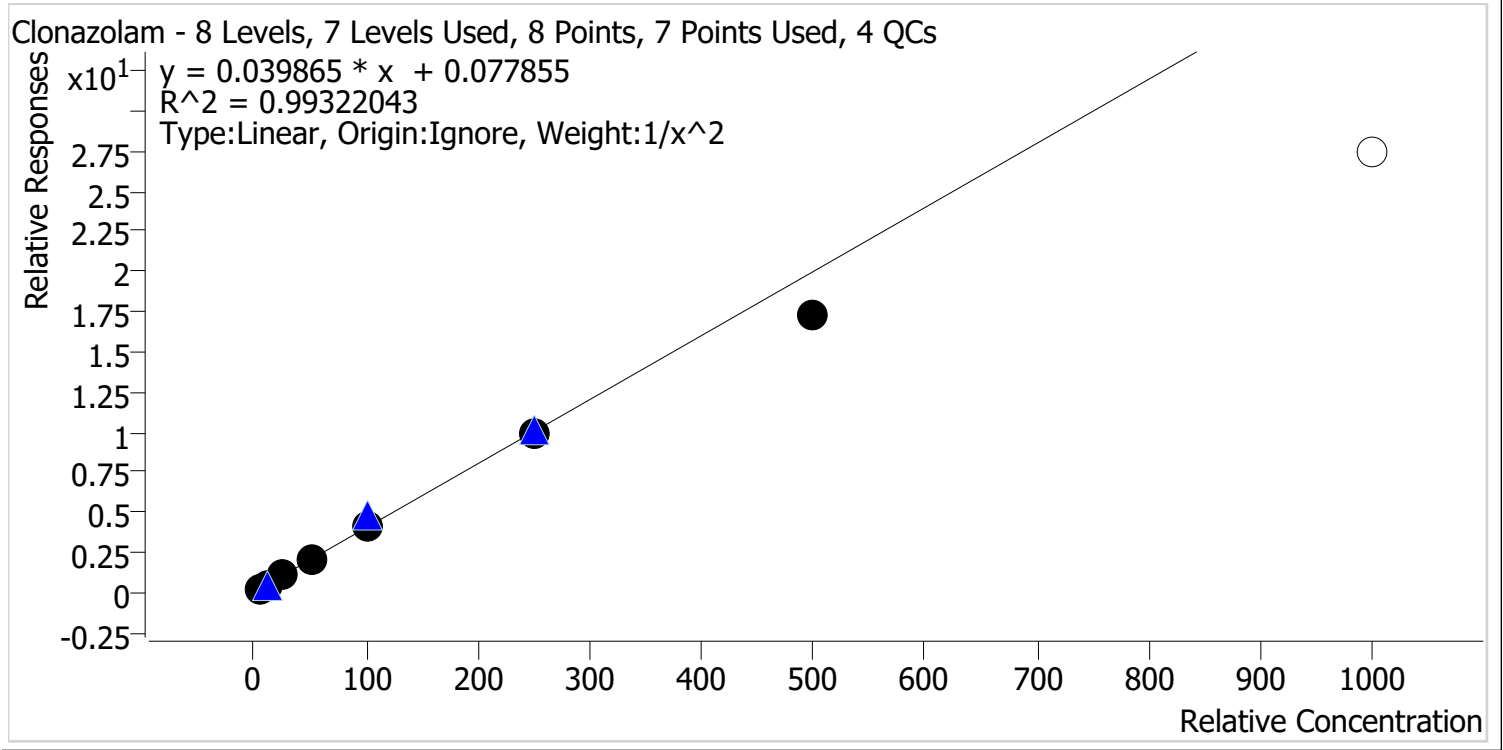


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	90.2
p1 Cal 2-10ng	2	✓	10.0	11.7	117.2
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	50.8	101.7
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	485.3	97.1
p1 Cal 8-1000ng	8	✓	1000.0	870.2	87.0



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.6	105.5
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	434.1	86.8
p1 Cal 8-1000ng	8	✗	1000.0	687.0	68.7

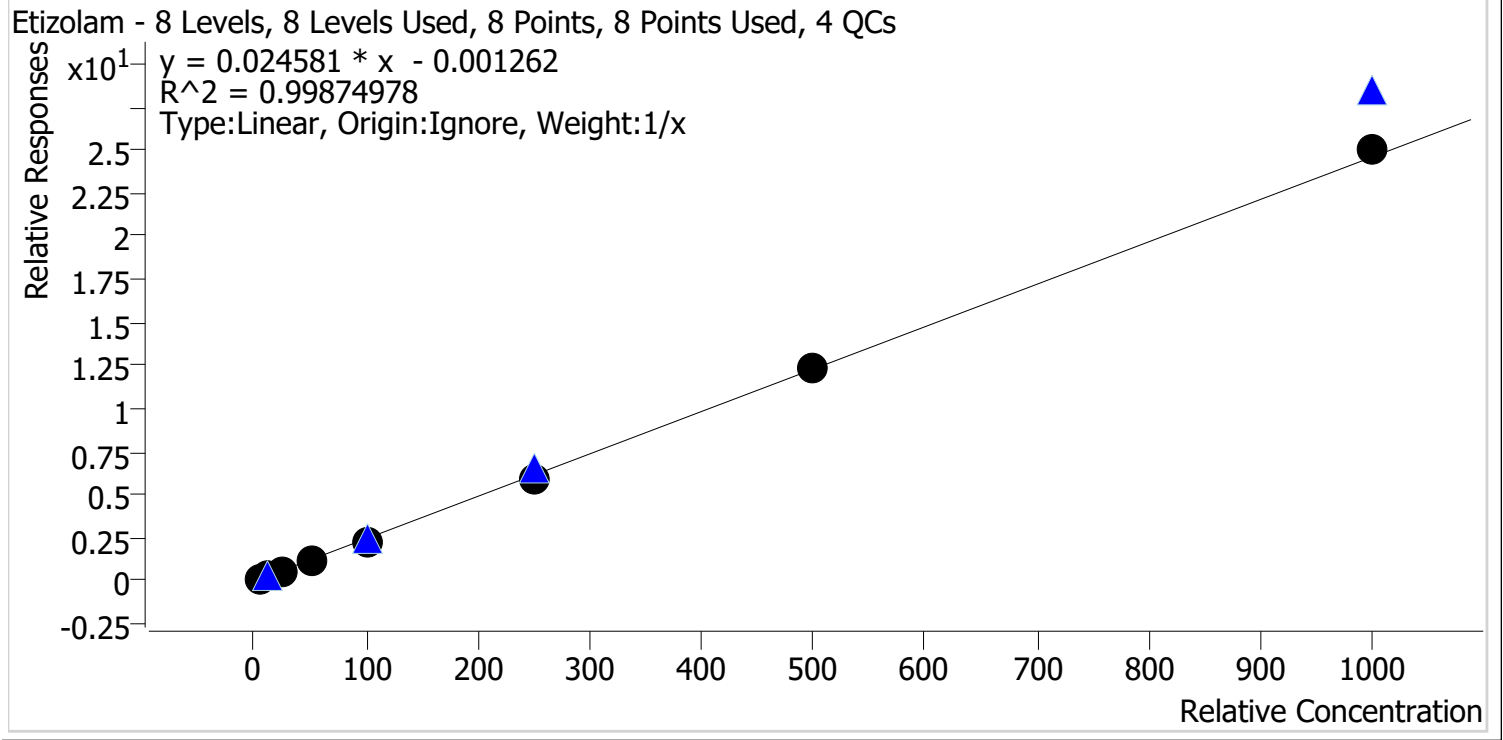
Calibrator 8 dropped due to not meeting accuracy requirement.





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

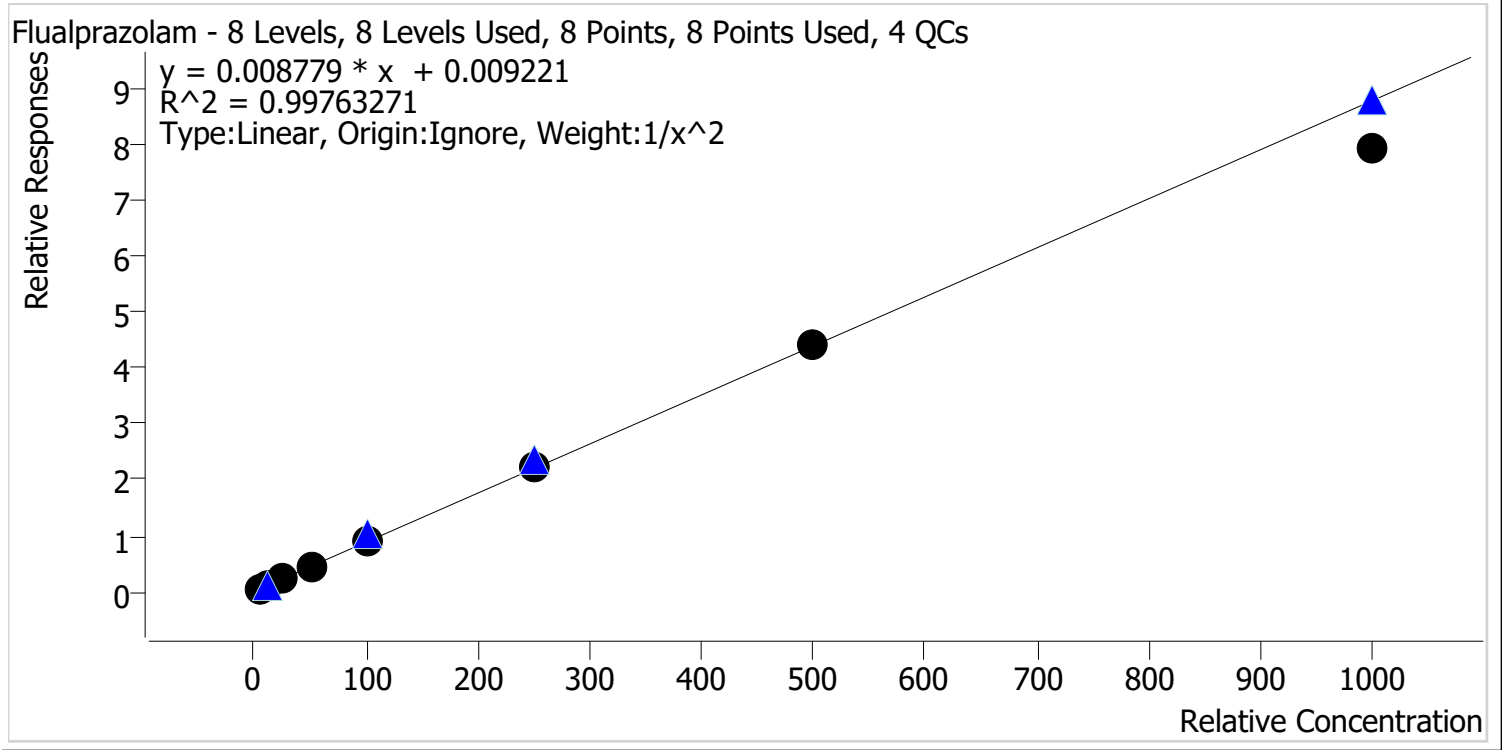


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	112.5
p1 Cal 2-10ng	2	✓	10.0	11.3	112.8
p1 Cal 3 -25ng	3	✓	25.0	23.0	91.8
p1 Cal 4-50ng	4	✓	50.0	46.7	93.4
p1 Cal 5-100ng	5	✓	100.0	90.5	90.5
p1 Cal 6-250ng	6	✓	250.0	241.8	96.7
p1 Cal 7-500ng	7	✓	500.0	500.3	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1020.8	102.1



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5

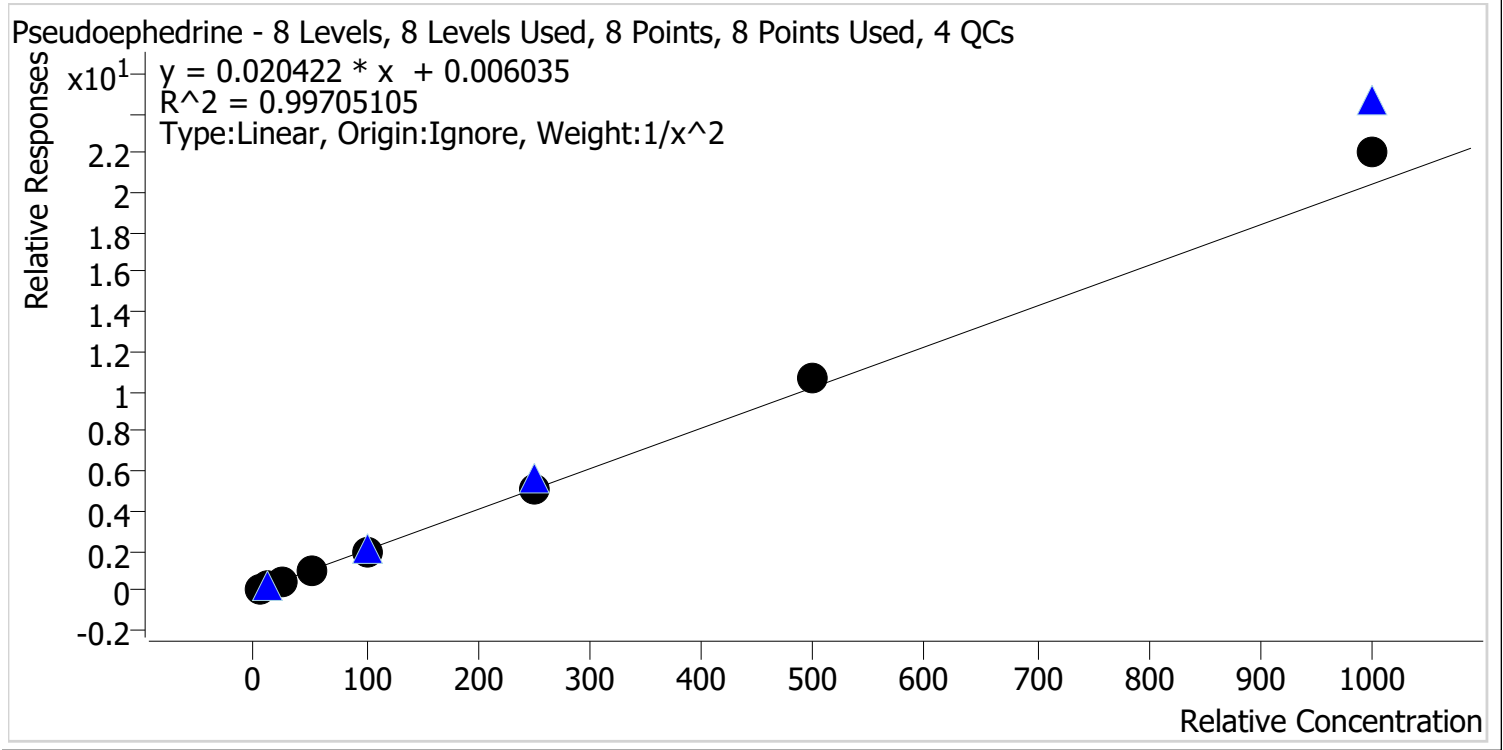


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	503.3	100.7
p1 Cal 8-1000ng	8	✓	1000.0	901.5	90.2



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

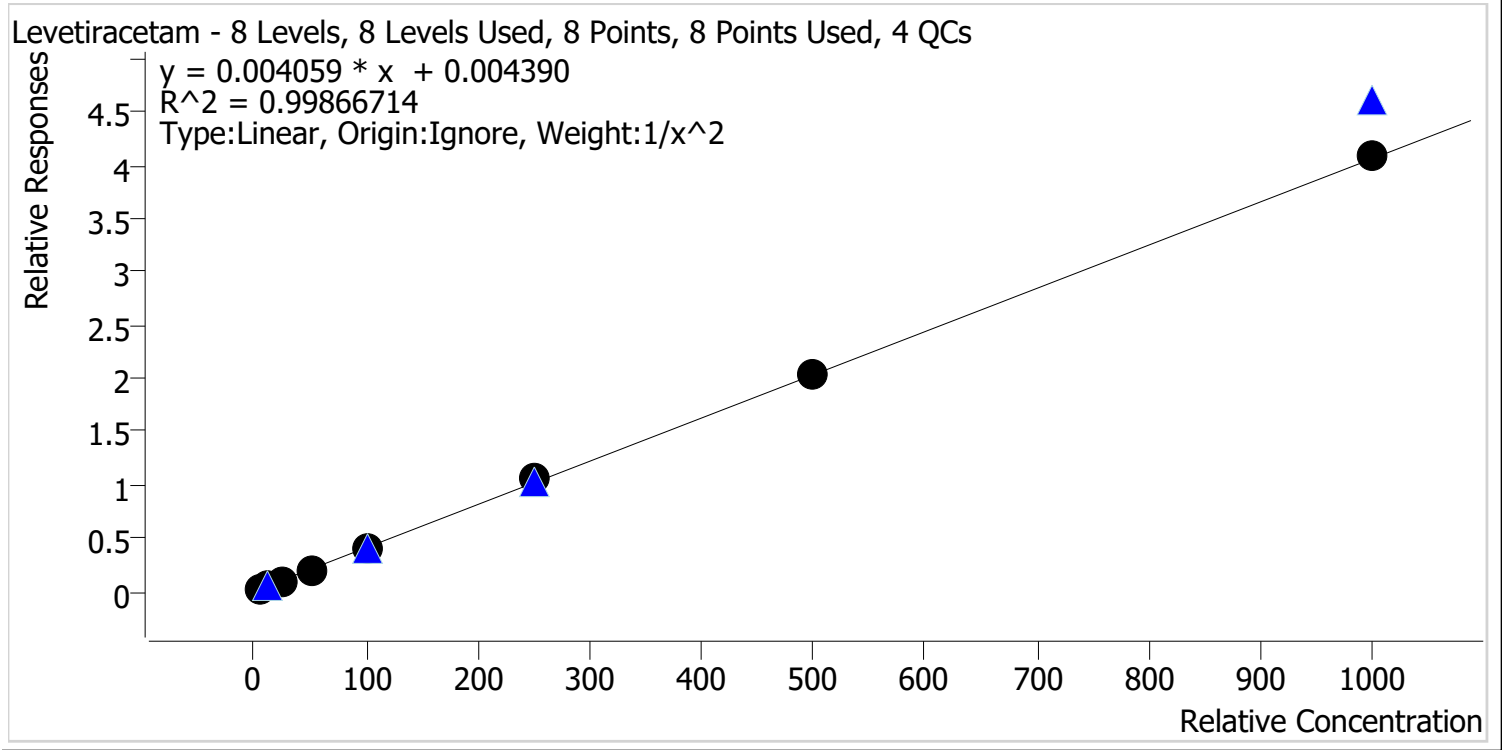


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	525.7	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1079.1	107.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

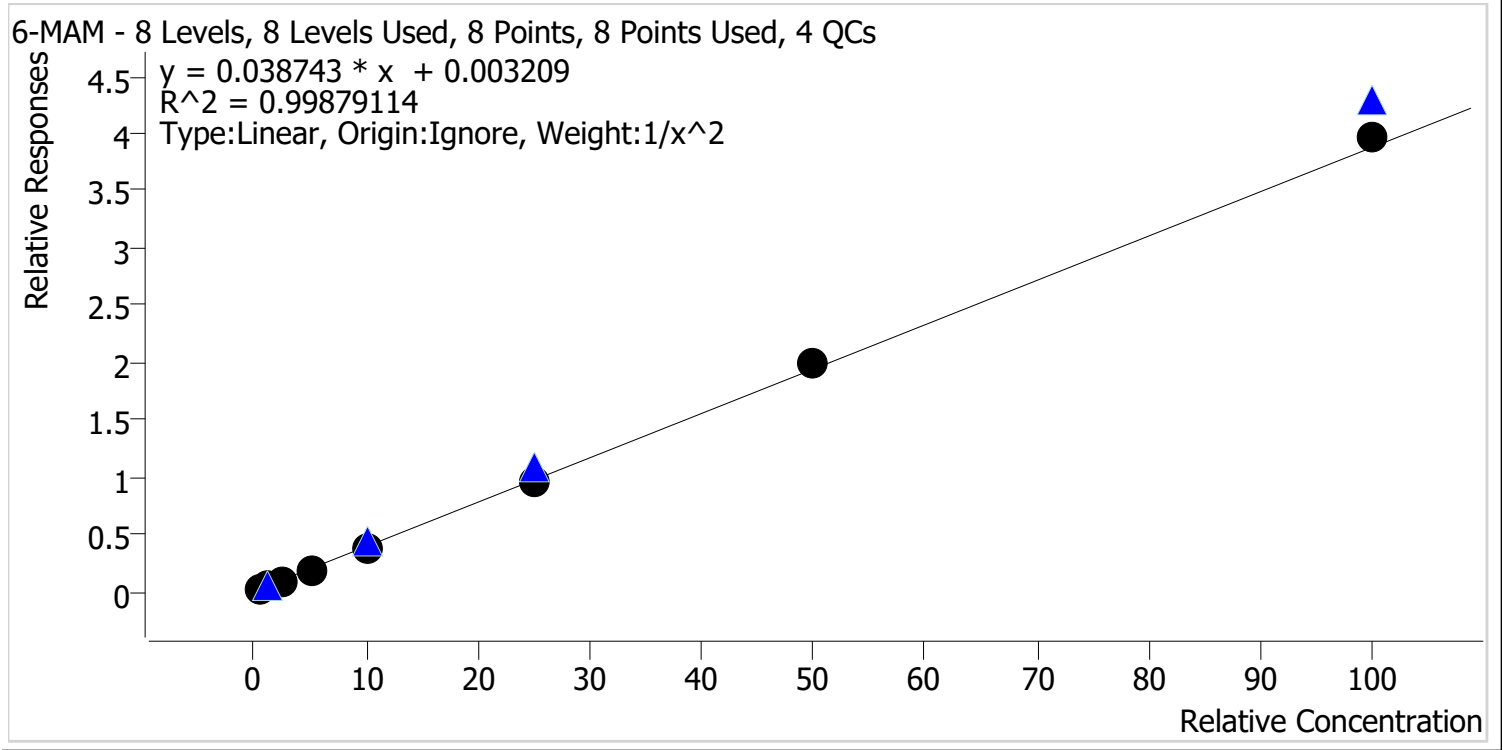


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.8
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	261.7	104.7
p1 Cal 7-500ng	7	✓	500.0	502.2	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1010.0	101.0



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6



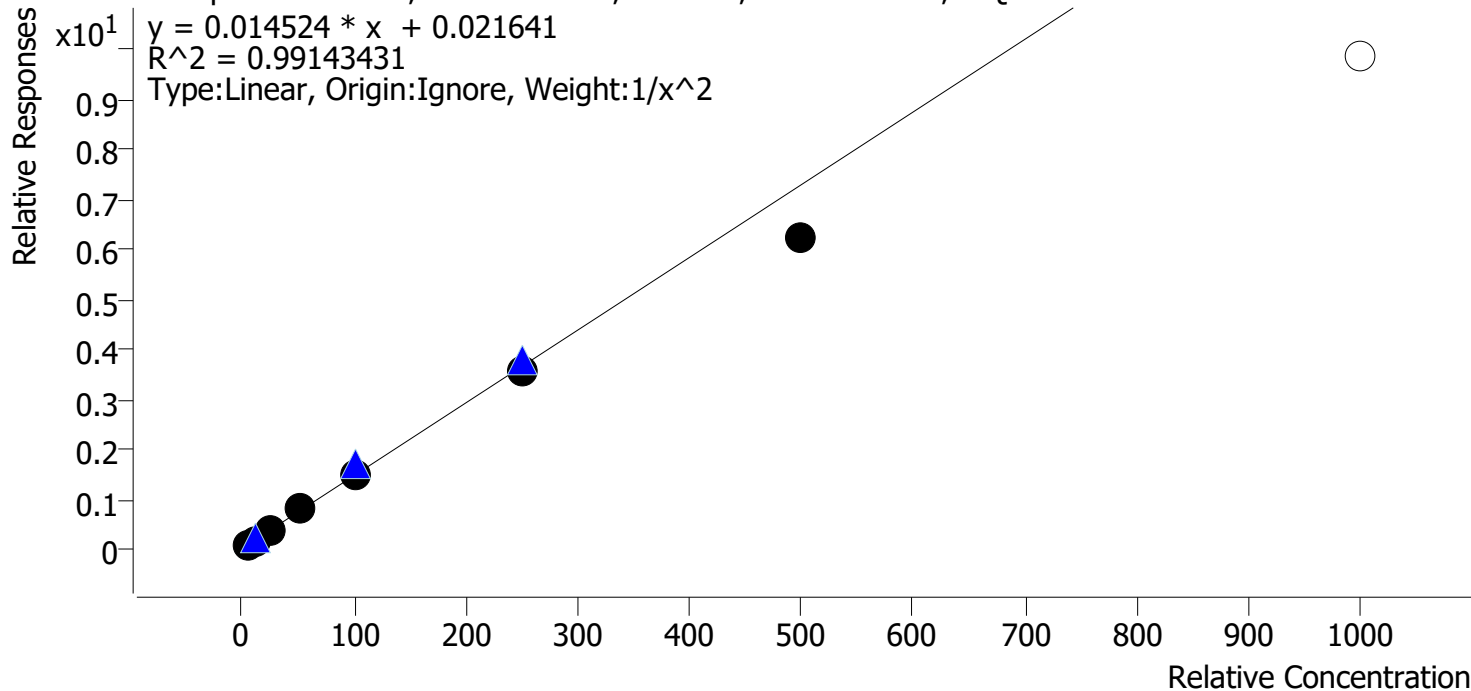
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.6
p1 Cal 2-10ng	2	✓	1.0	1.0	105.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.6
p1 Cal 4-50ng	4	✓	5.0	4.9	98.1
p1 Cal 5-100ng	5	✓	10.0	9.9	99.5
p1 Cal 6-250ng	6	✓	25.0	24.6	98.4
p1 Cal 7-500ng	7	✓	50.0	51.2	102.5
p1 Cal 8-1000ng	8	✓	100.0	102.3	102.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



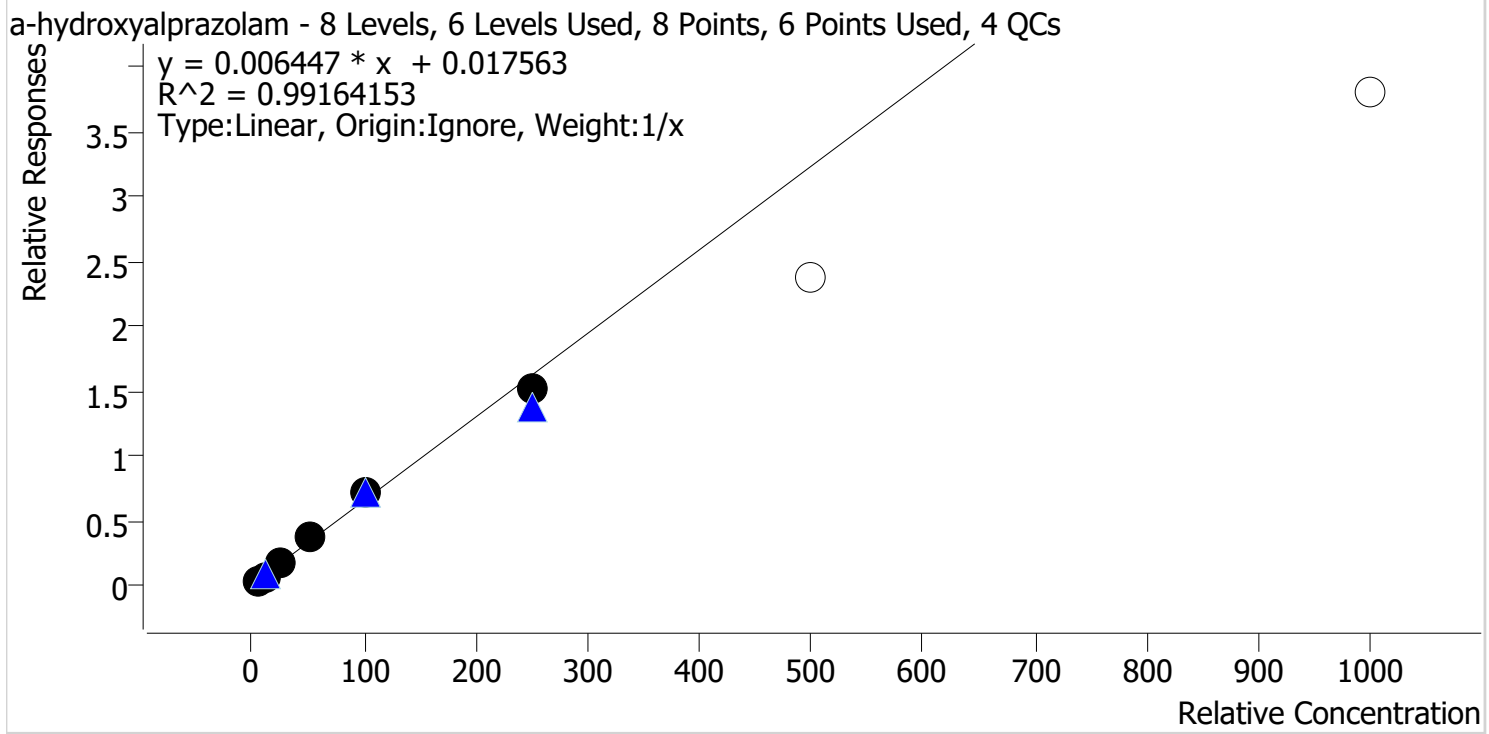
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	425.1	85.0
p1 Cal 8-1000ng	8	✗	1000.0	676.2	67.6

Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



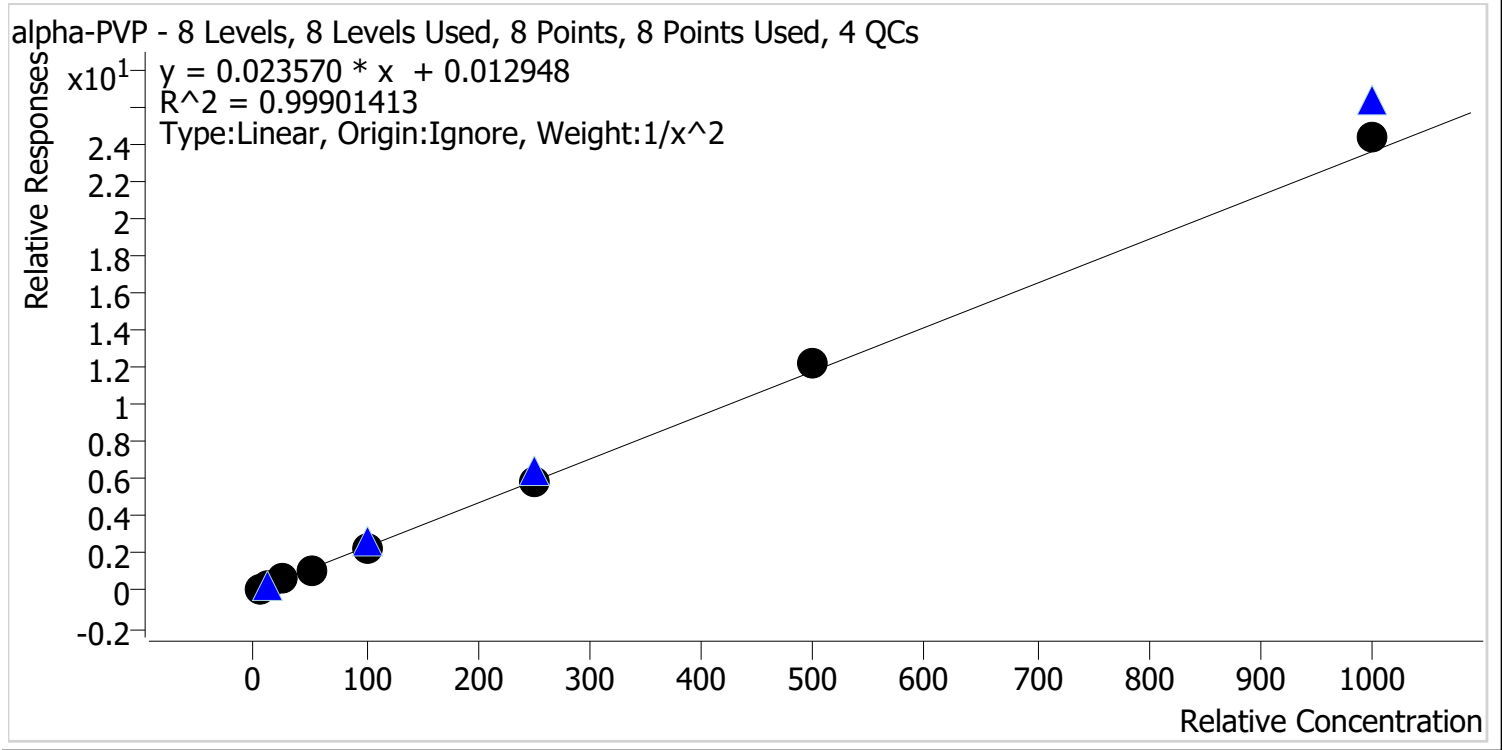
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.1	81.8
p1 Cal 2-10ng	2	✓	10.0	9.3	93.4
p1 Cal 3 -25ng	3	✓	25.0	27.5	110.0
p1 Cal 4-50ng	4	✓	50.0	56.4	112.8
p1 Cal 5-100ng	5	✓	100.0	108.1	108.1
p1 Cal 6-250ng	6	✓	250.0	234.5	93.8
p1 Cal 7-500ng	7	x	500.0	368.5	73.7
p1 Cal 8-1000ng	8	x	1000.0	587.9	58.8

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8



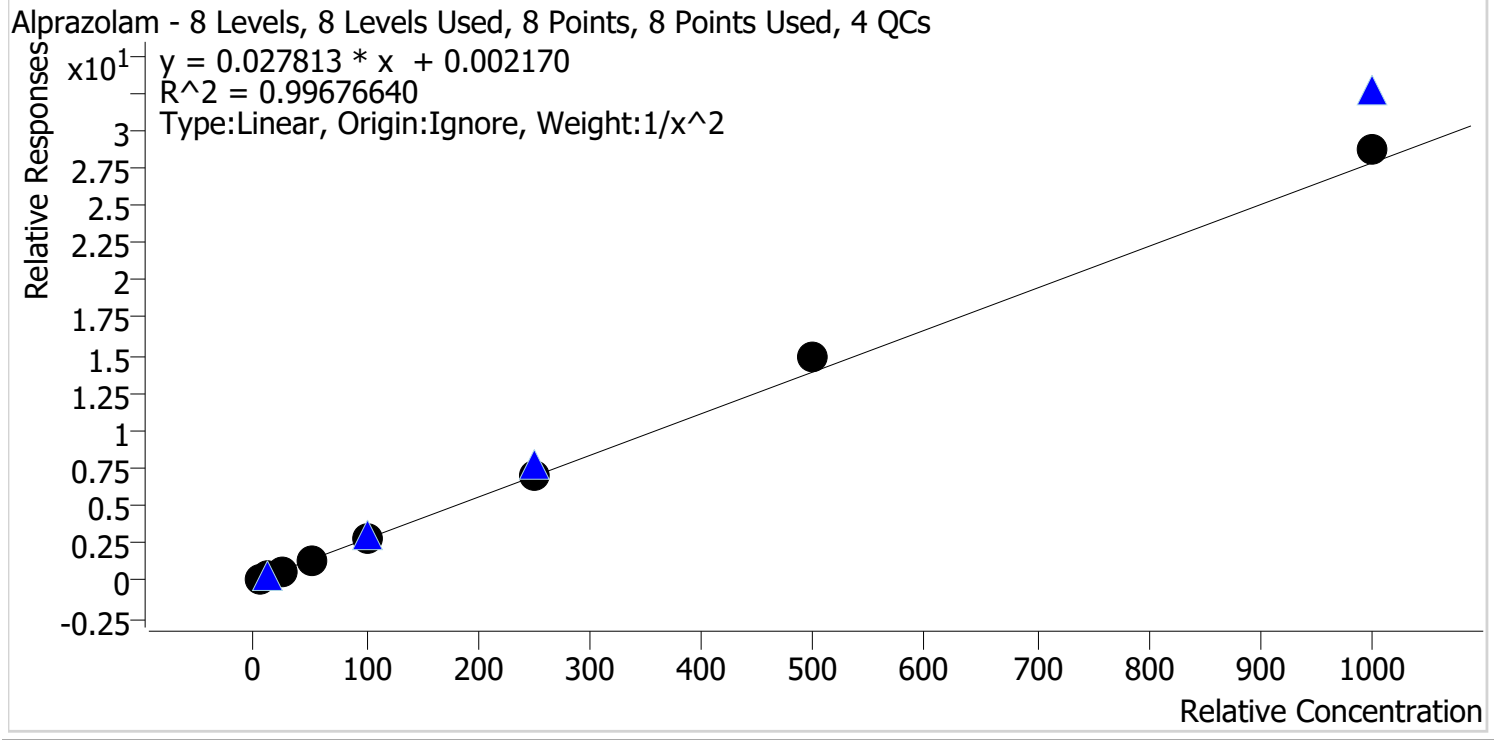
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	245.1	98.0
p1 Cal 7-500ng	7	✓	500.0	521.5	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1031.1	103.1





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

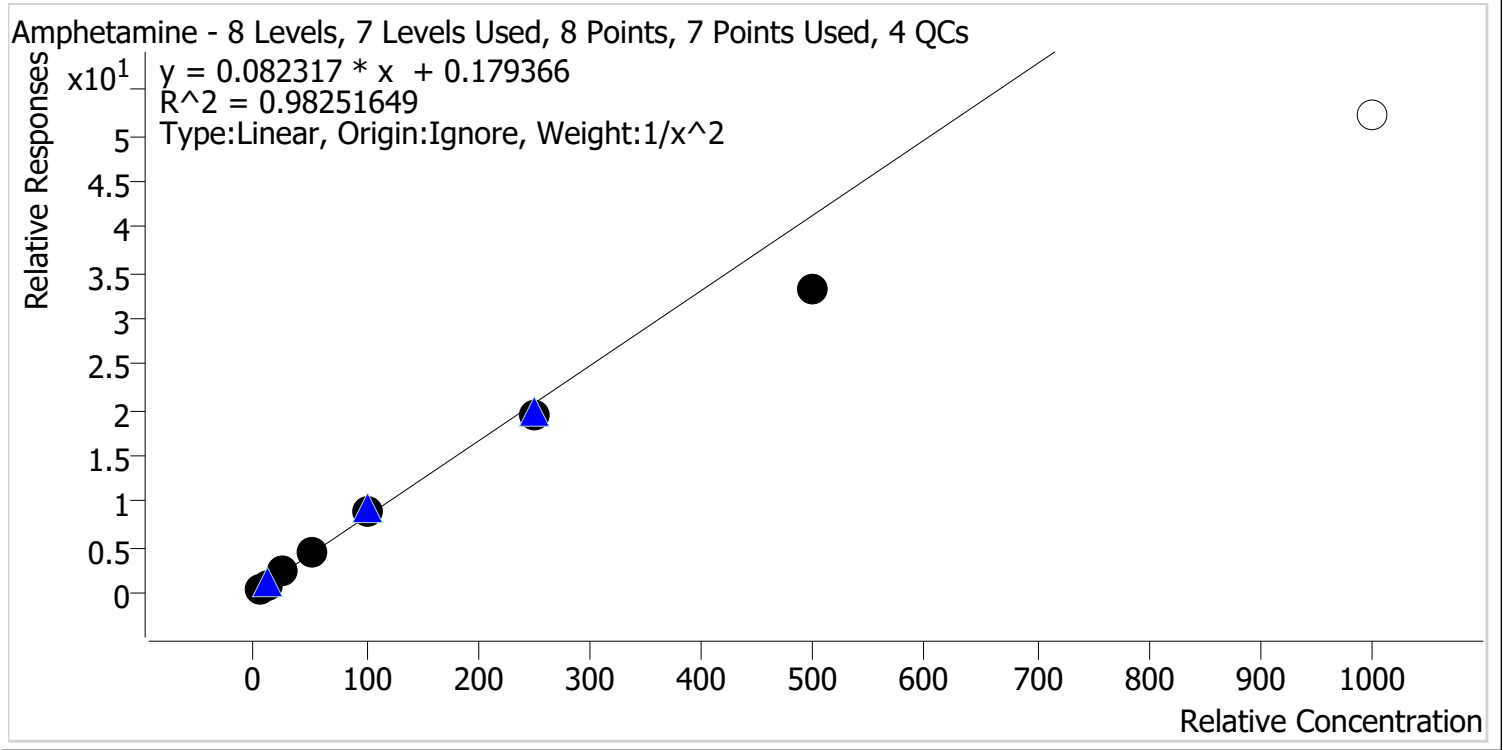


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.5
p1 Cal 4-50ng	4	✓	50.0	47.0	94.0
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	535.9	107.2
p1 Cal 8-1000ng	8	✓	1000.0	1033.9	103.4



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



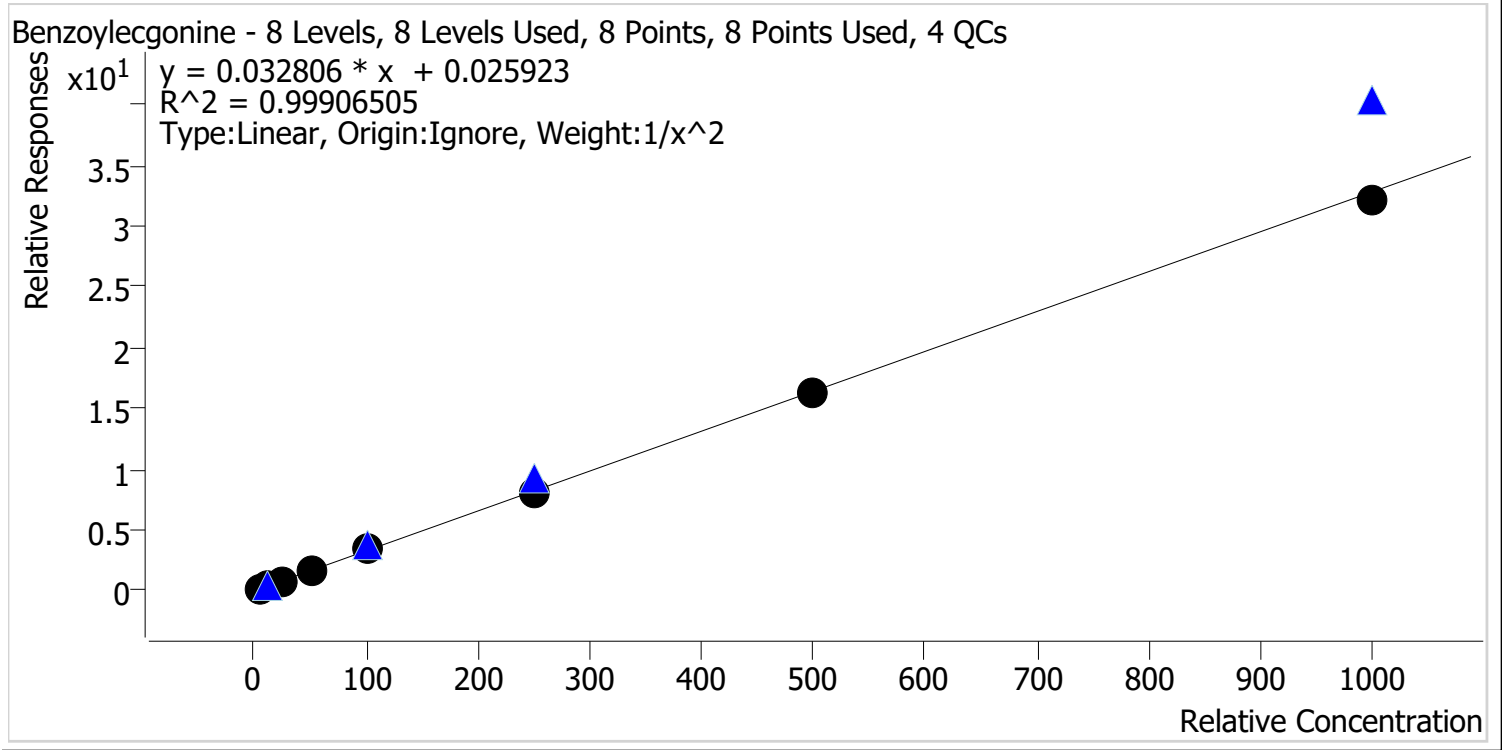
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.3
p1 Cal 2-10ng	2	✓	10.0	10.8	107.8
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.2
p1 Cal 4-50ng	4	✓	50.0	55.3	110.5
p1 Cal 5-100ng	5	✓	100.0	105.4	105.4
p1 Cal 6-250ng	6	✓	250.0	233.9	93.6
p1 Cal 7-500ng	7	✓	500.0	401.2	80.2
p1 Cal 8-1000ng	8	✗	1000.0	633.5	63.4

Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

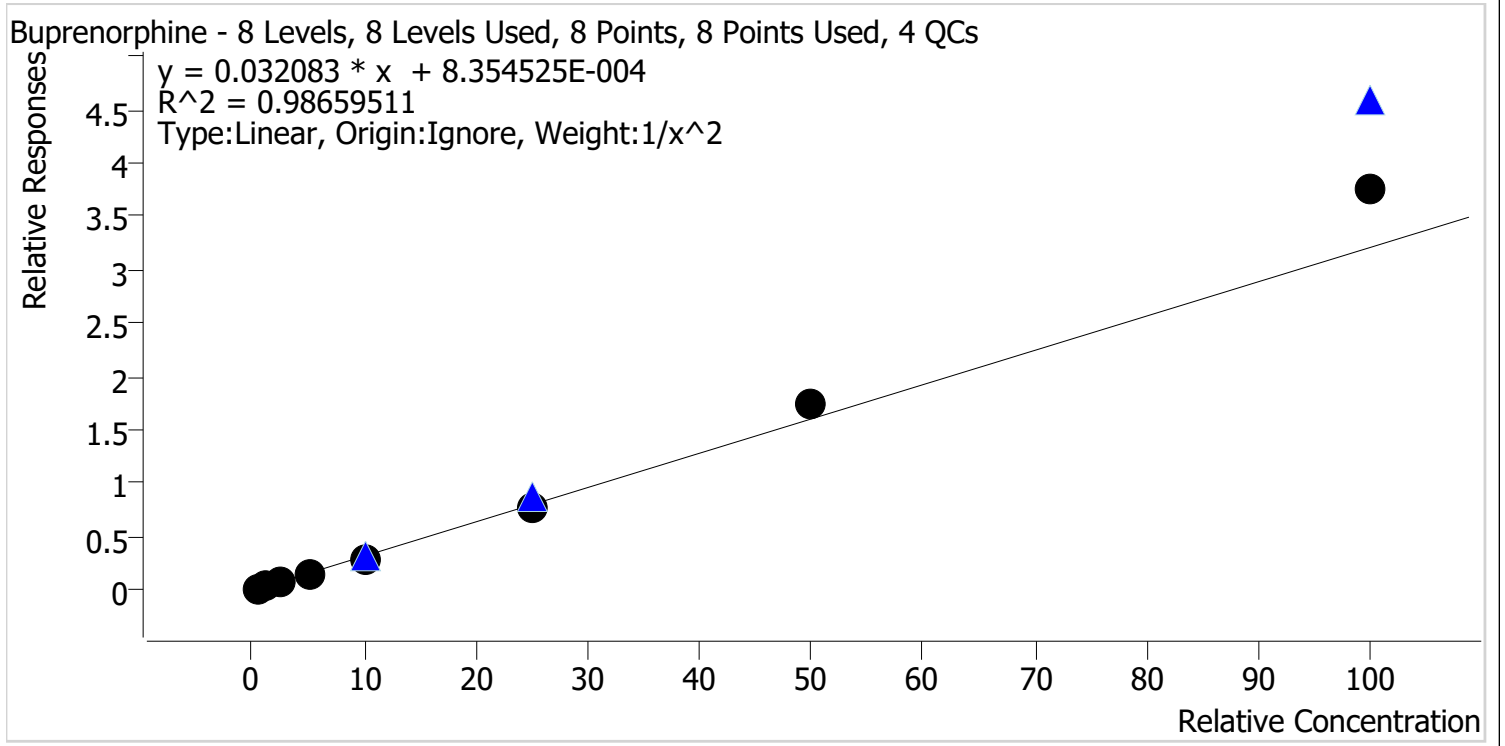


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	247.6	99.0
p1 Cal 7-500ng	7	✓	500.0	500.6	100.1
p1 Cal 8-1000ng	8	✓	1000.0	977.5	97.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

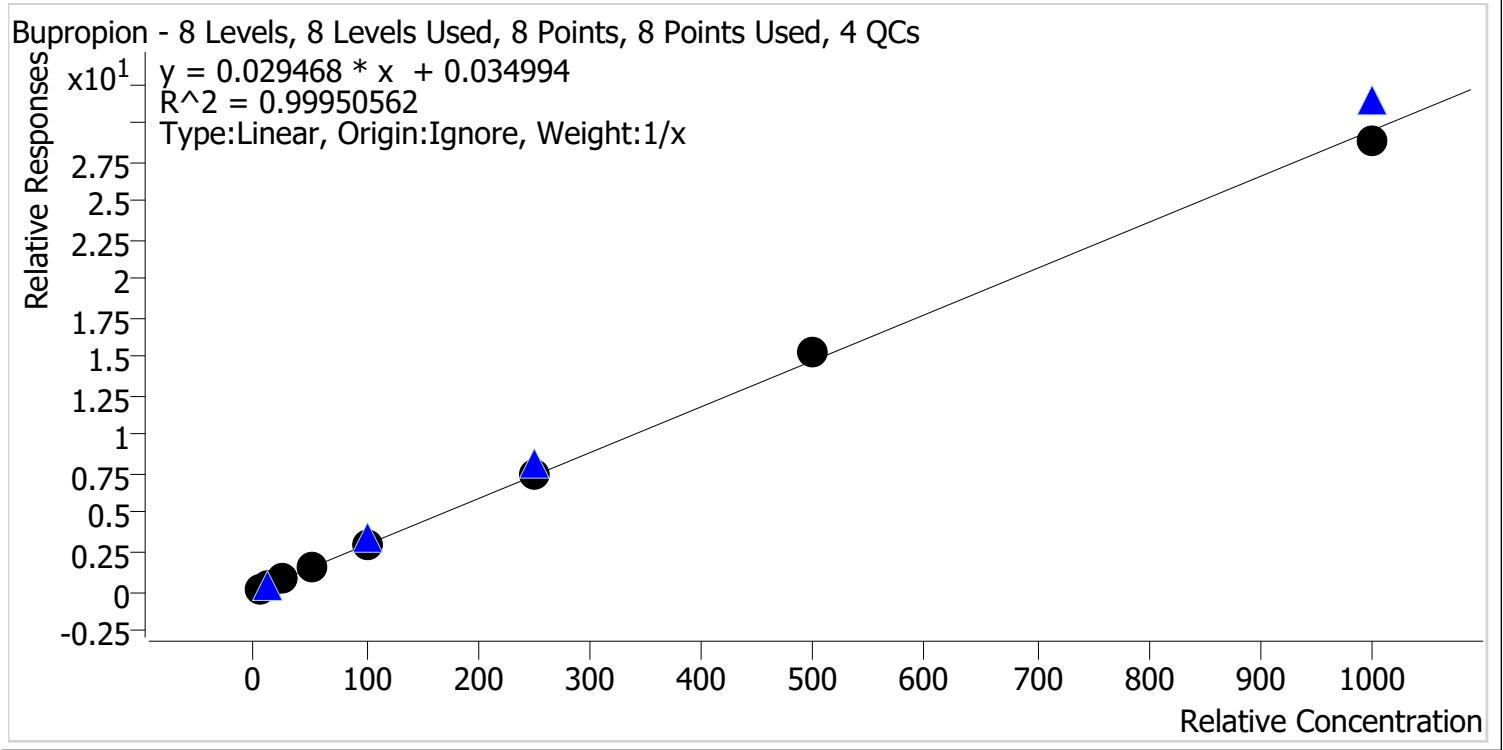


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.4
p1 Cal 2-10ng	2	✓	1.0	1.1	106.0
p1 Cal 3 -25ng	3	✓	2.5	2.3	90.1
p1 Cal 4-50ng	4	✓	5.0	4.5	89.4
p1 Cal 5-100ng	5	✓	10.0	9.1	91.0
p1 Cal 6-250ng	6	✓	25.0	24.2	96.7
p1 Cal 7-500ng	7	✓	50.0	54.8	109.6
p1 Cal 8-1000ng	8	✓	100.0	116.9	116.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



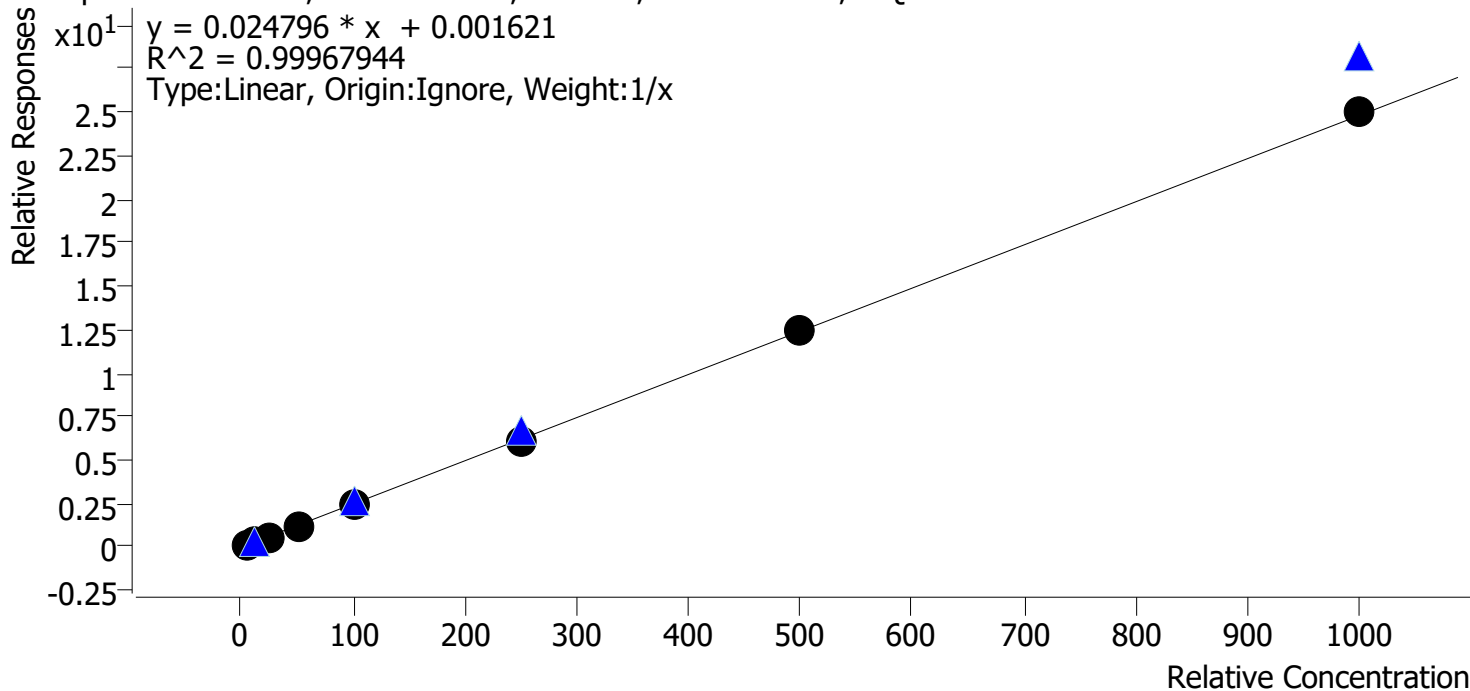
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	515.0	103.0
p1 Cal 8-1000ng	8	✓	1000.0	981.2	98.1



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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

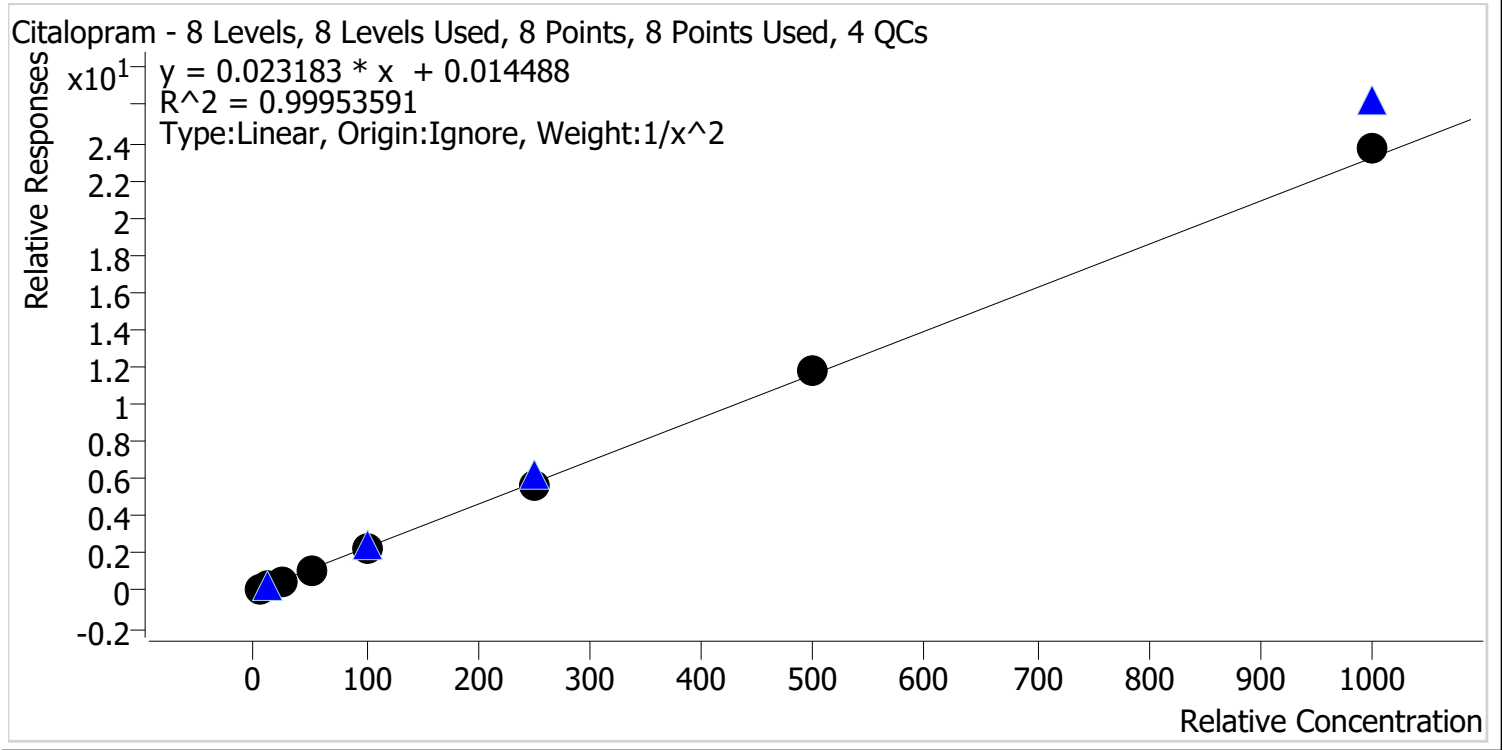


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	241.6	96.7
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1010.3	101.0



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

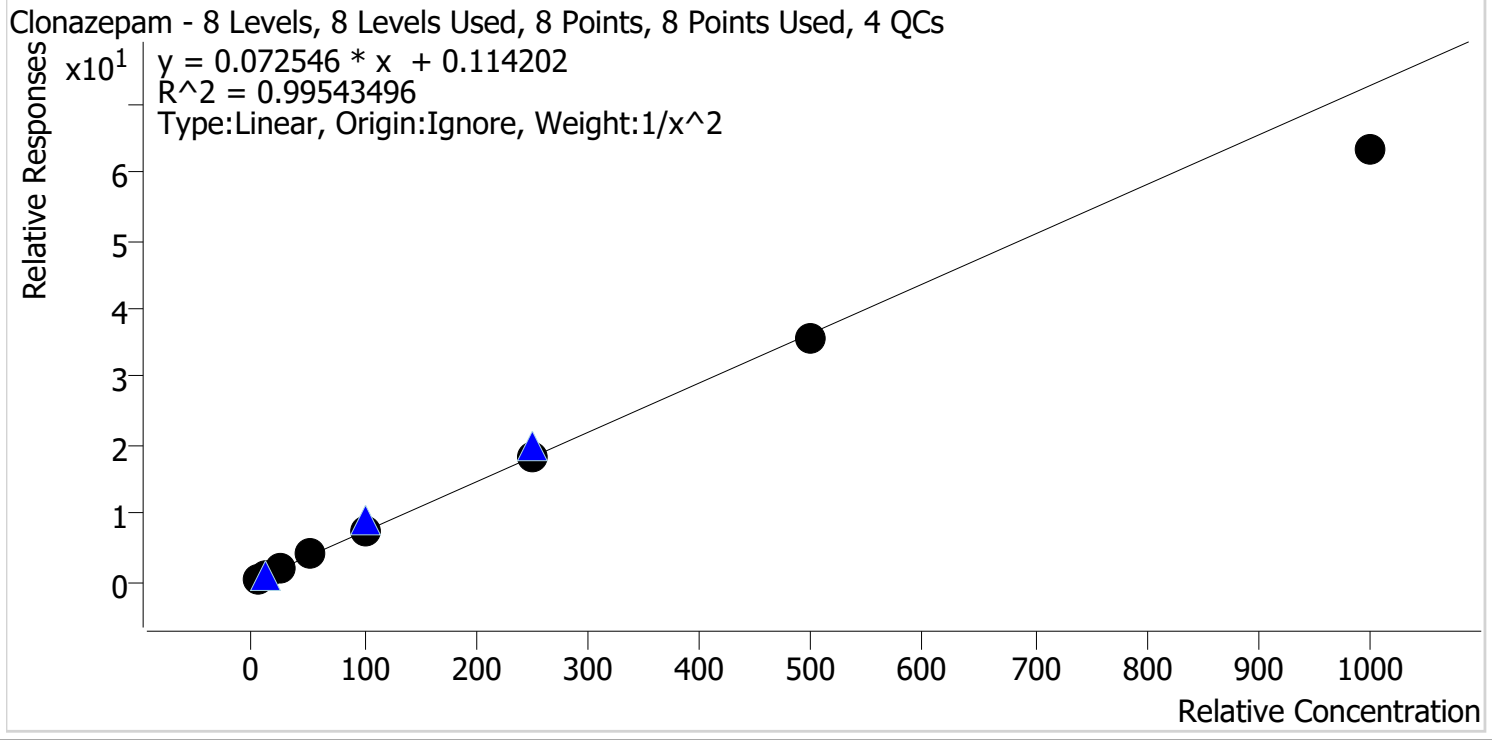


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	511.6	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1023.0	102.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



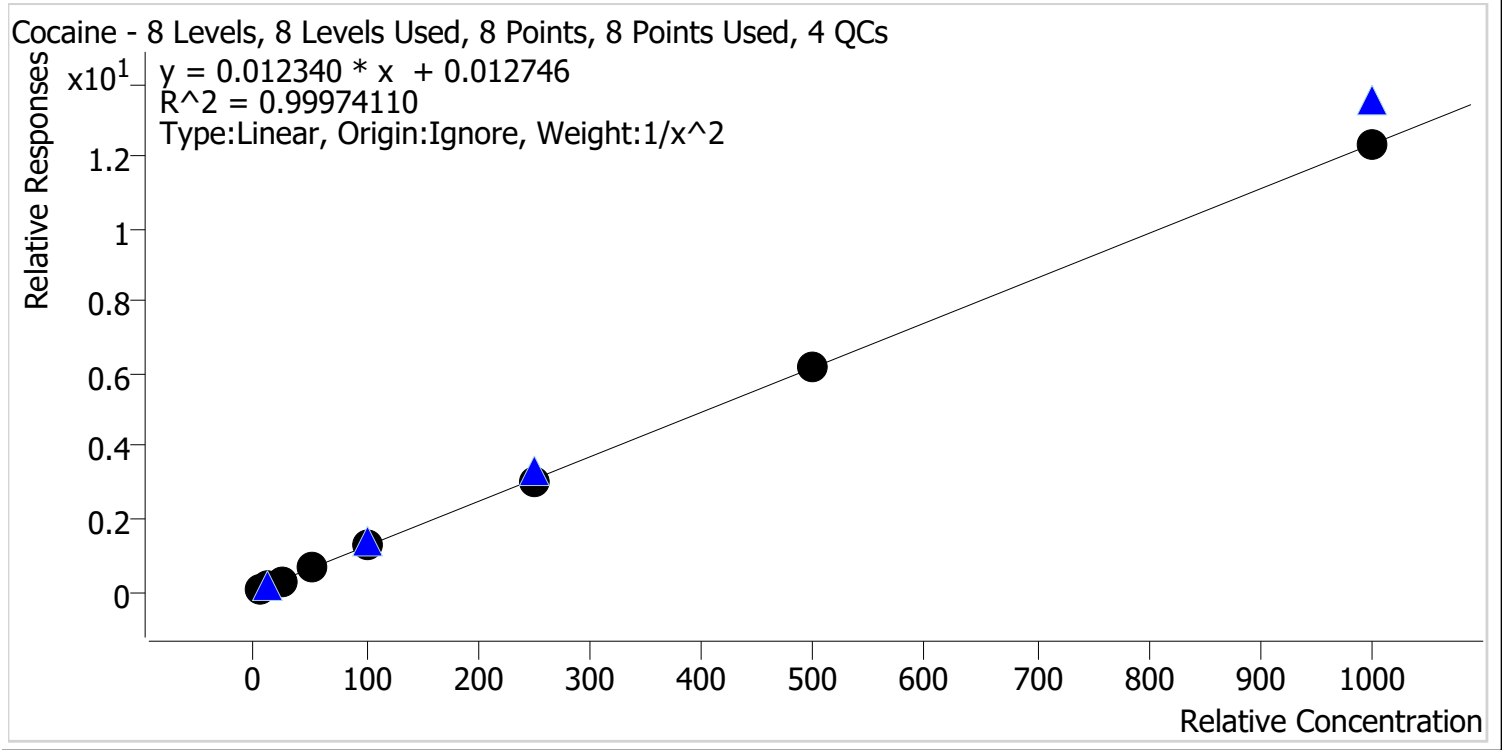
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	489.3	97.9
p1 Cal 8-1000ng	8	✓	1000.0	873.5	87.3





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

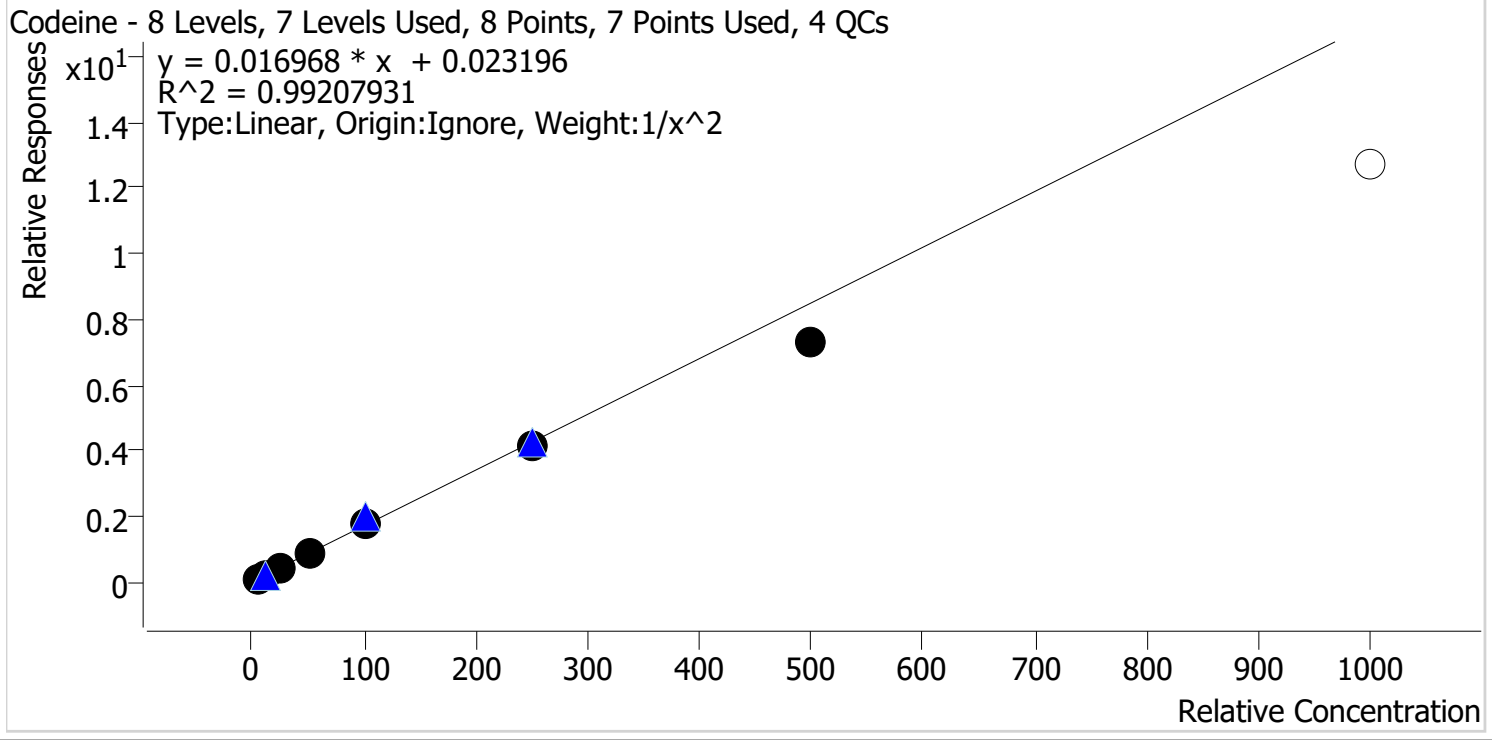


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	505.1	101.0
p1 Cal 8-1000ng	8	✓	1000.0	998.9	99.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	241.7	96.7
p1 Cal 7-500ng	7	✓	500.0	429.9	86.0
p1 Cal 8-1000ng	8	✗	1000.0	750.0	75.0

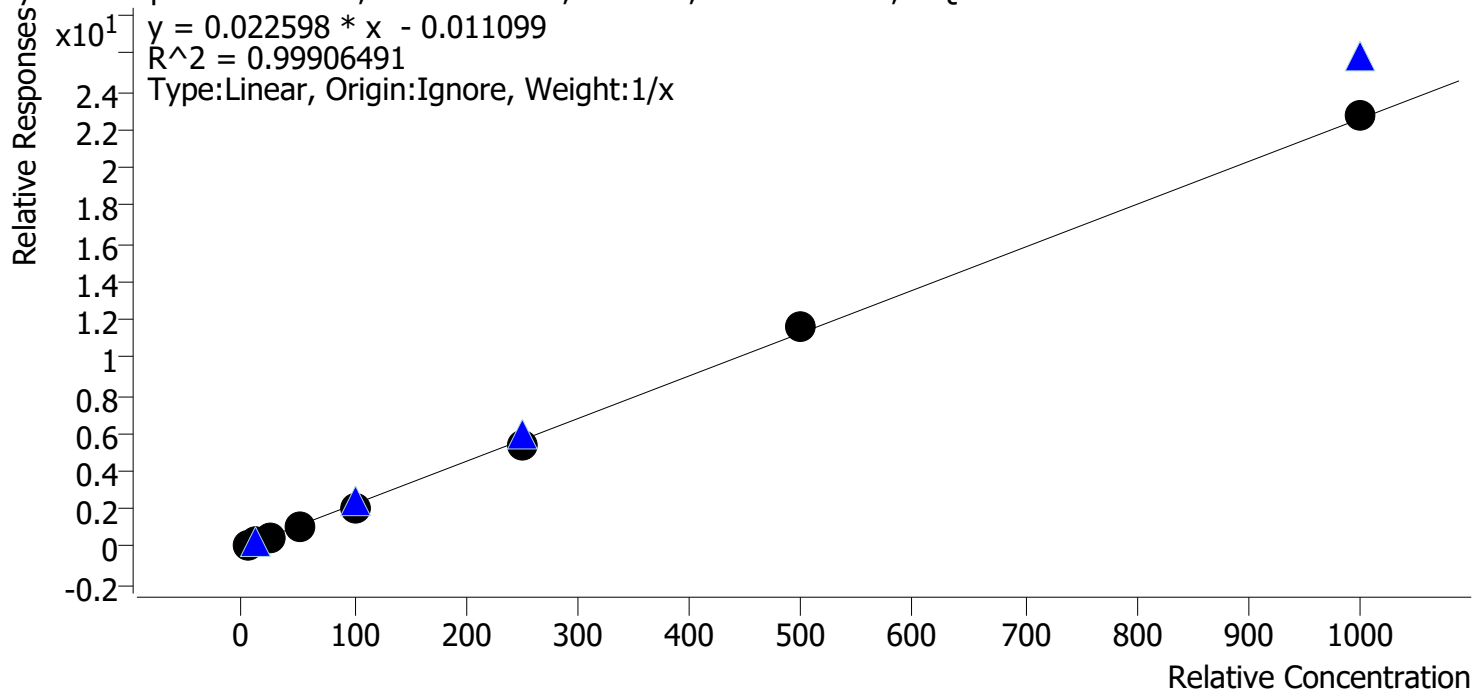
Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

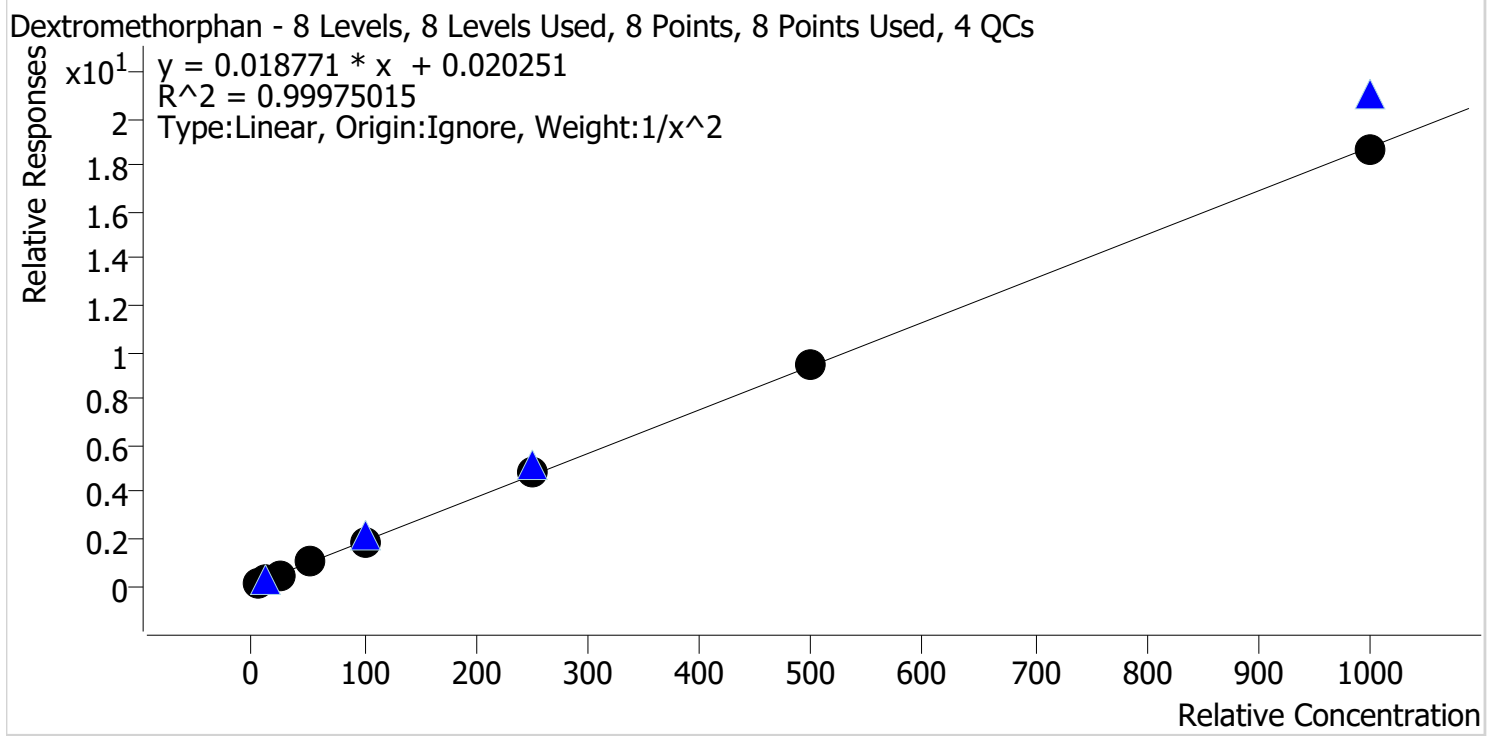


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.7	113.1
p1 Cal 2-10ng	2	✓	10.0	10.9	109.4
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.6
p1 Cal 4-50ng	4	✓	50.0	47.3	94.5
p1 Cal 5-100ng	5	✓	100.0	92.7	92.7
p1 Cal 6-250ng	6	✓	250.0	241.6	96.7
p1 Cal 7-500ng	7	✓	500.0	510.8	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1008.3	100.8



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

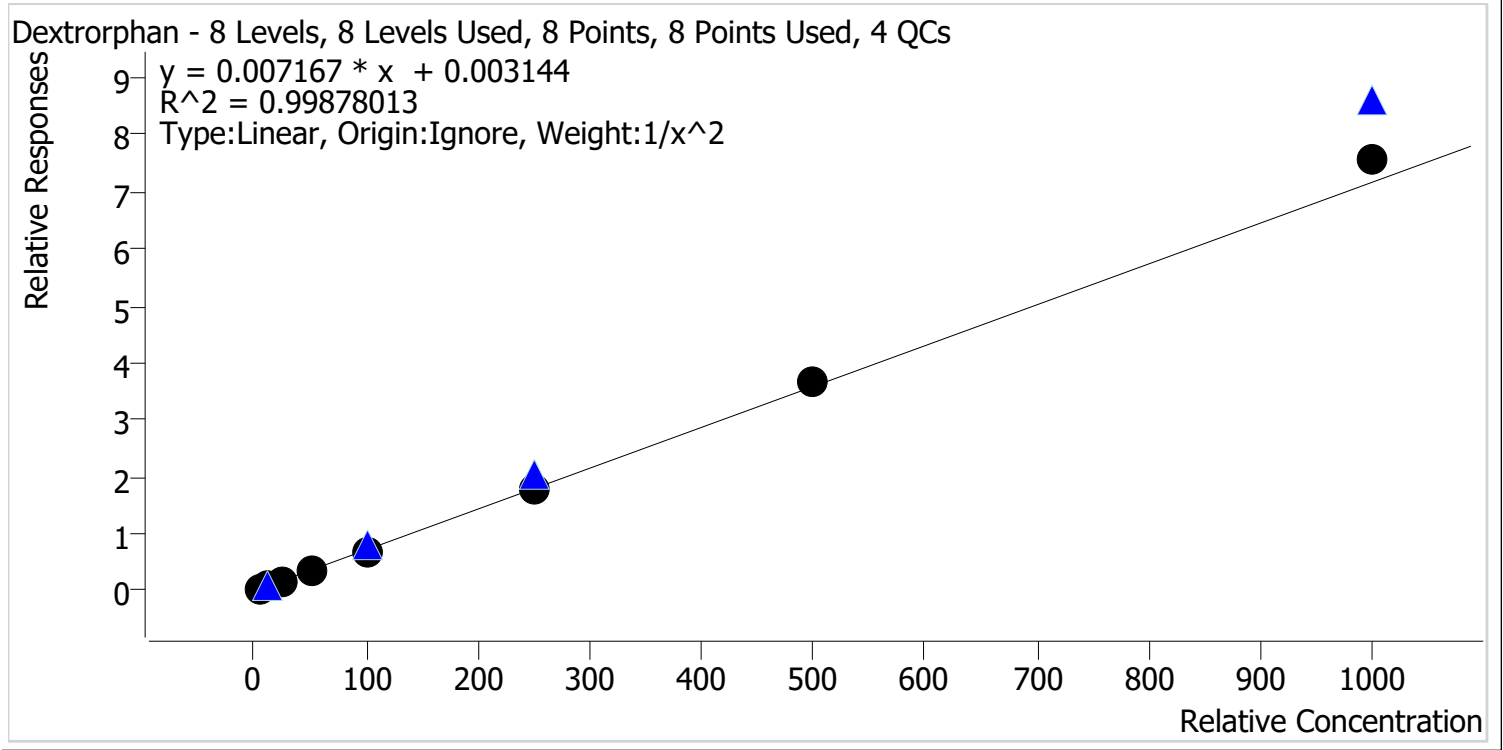


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	256.5	102.6
p1 Cal 7-500ng	7	✓	500.0	500.7	100.1
p1 Cal 8-1000ng	8	✓	1000.0	993.4	99.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

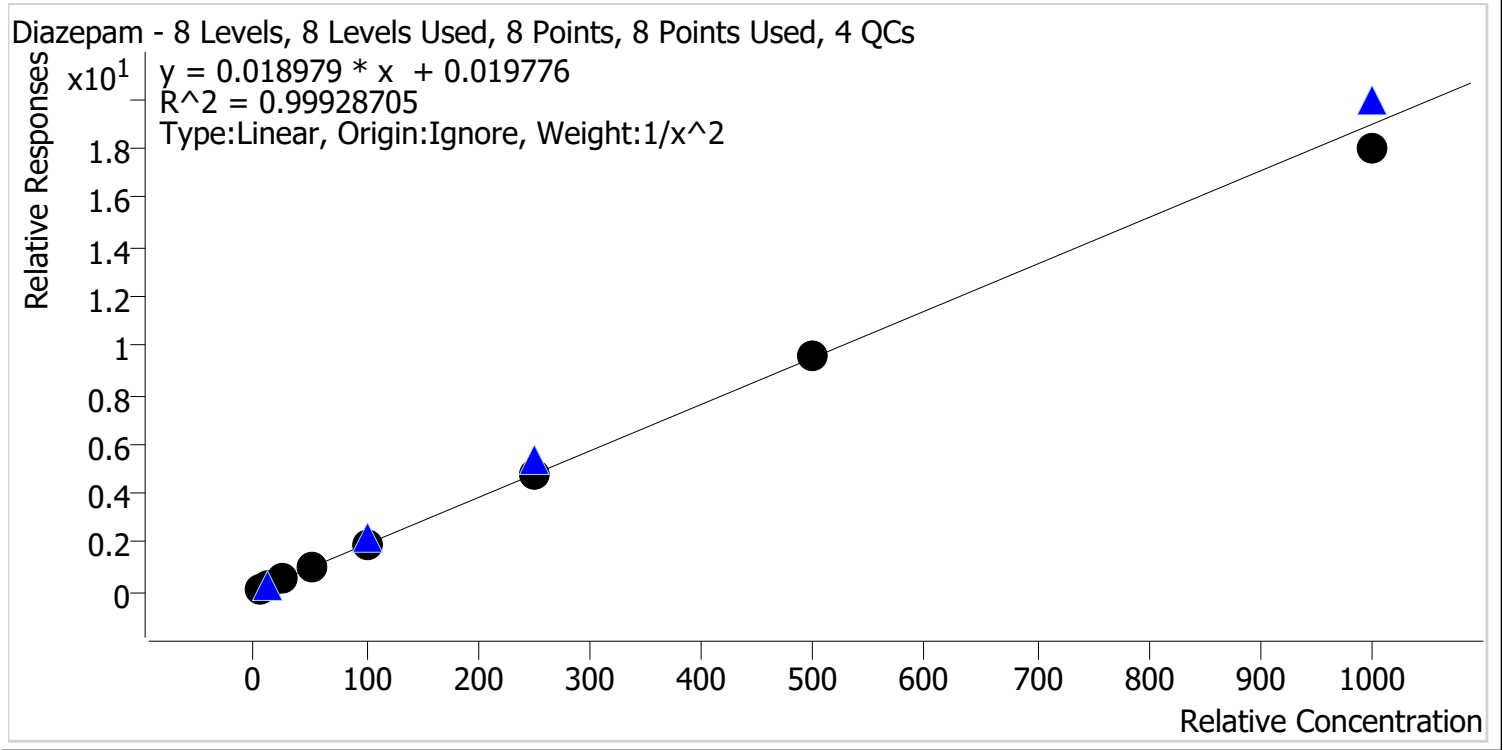


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	48.7	97.5
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	512.8	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1058.5	105.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

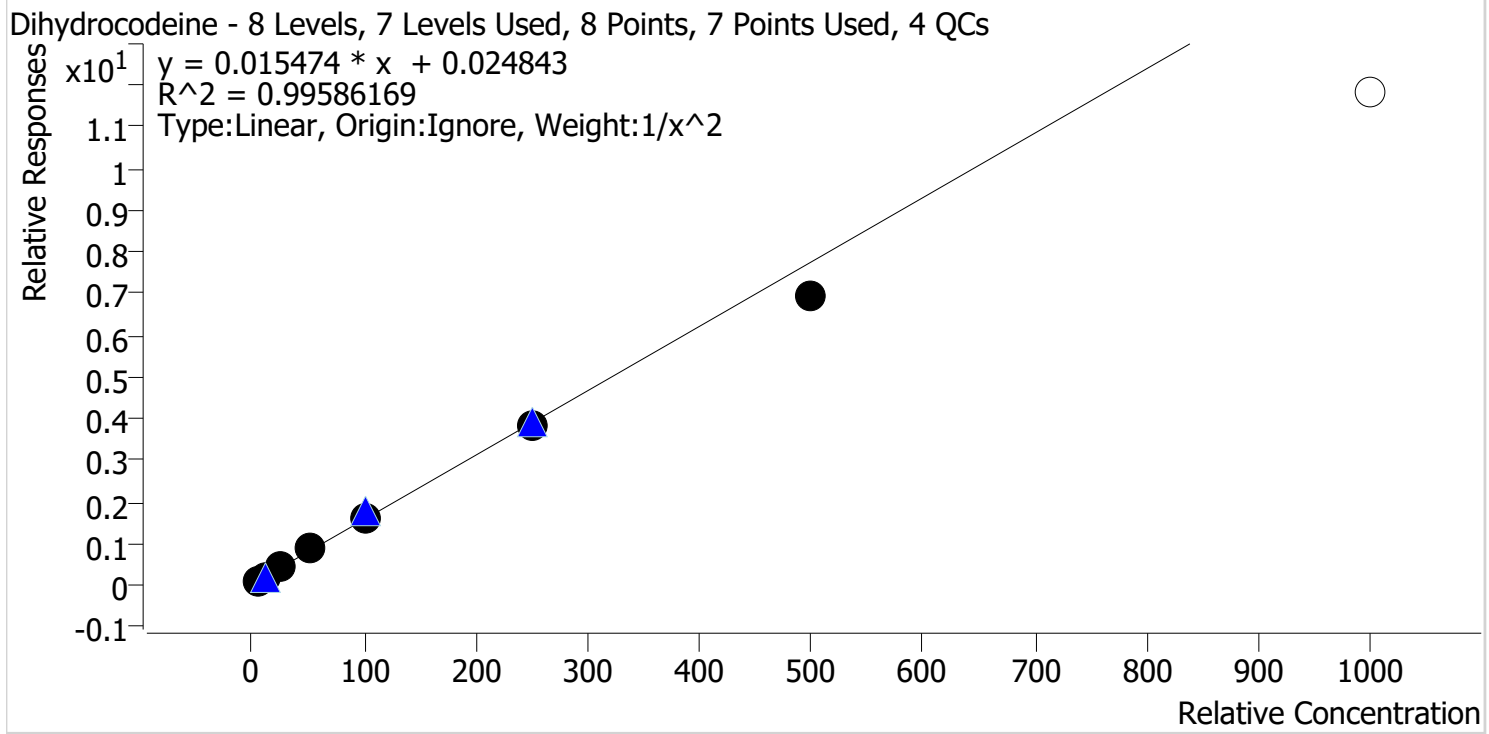


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	51.2	102.5
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	505.1	101.0
p1 Cal 8-1000ng	8	✓	1000.0	948.3	94.8



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



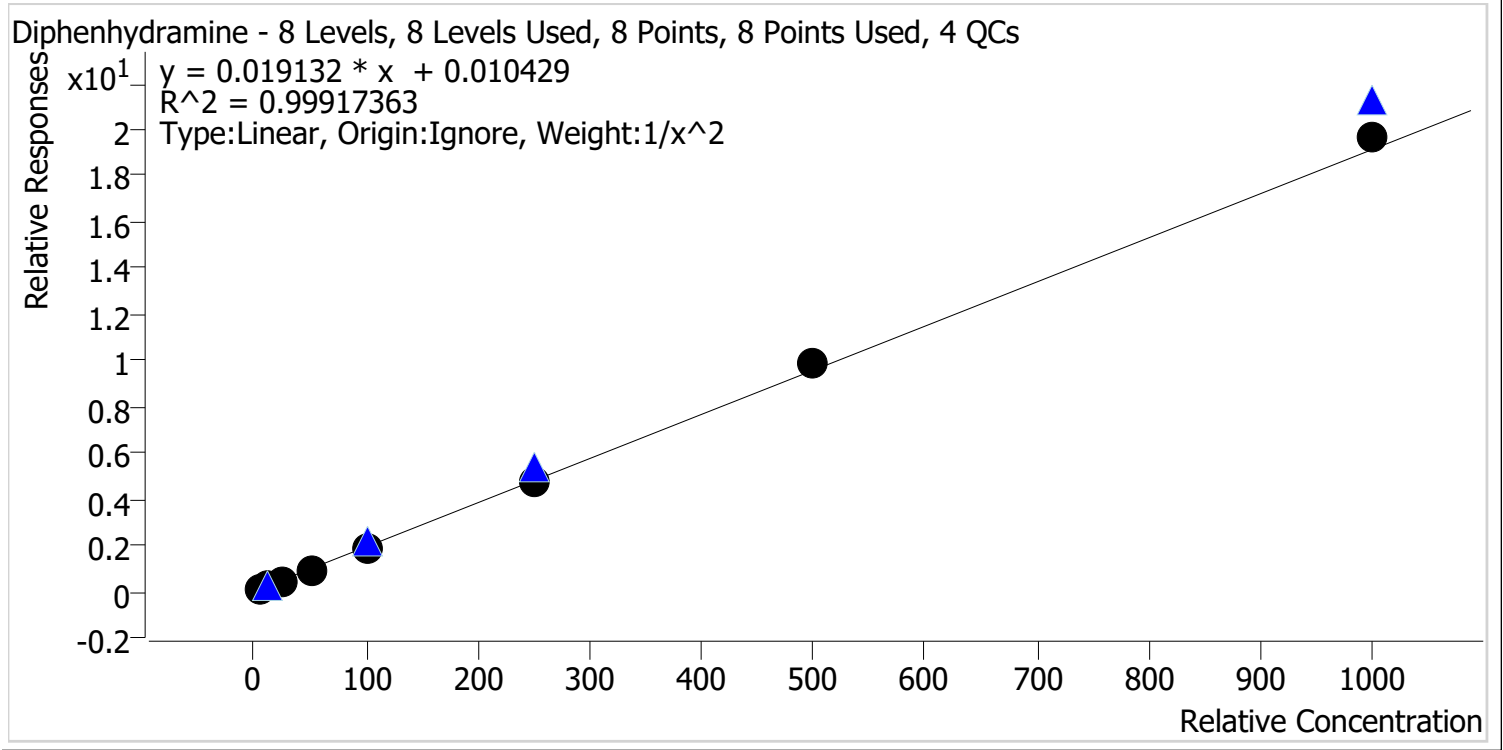
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	448.4	89.7
p1 Cal 8-1000ng	8	✗	1000.0	763.0	76.3

Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 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	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	519.9	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1026.7	102.7

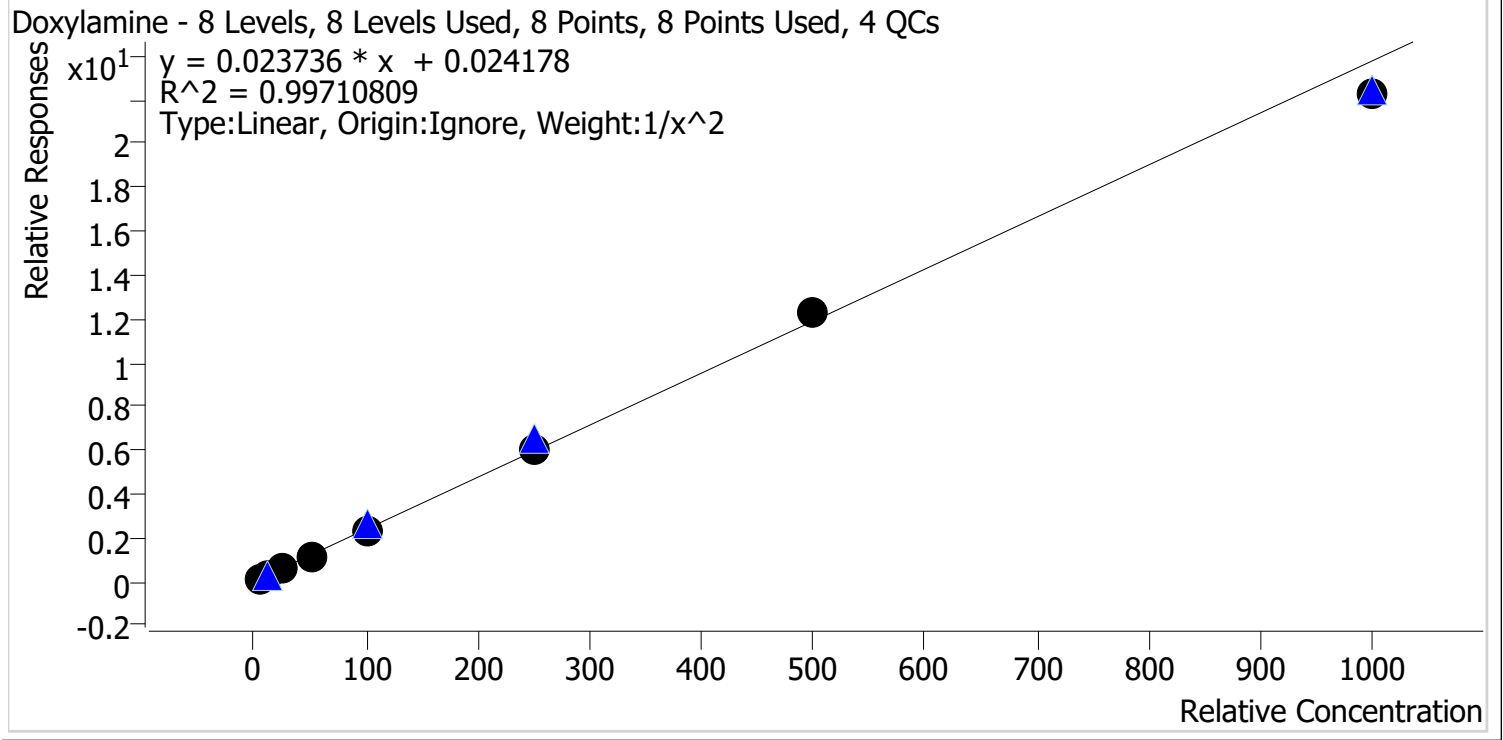


g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 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	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.9	108.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	517.6	103.5
p1 Cal 8-1000ng	8	✓	1000.0	938.0	93.8

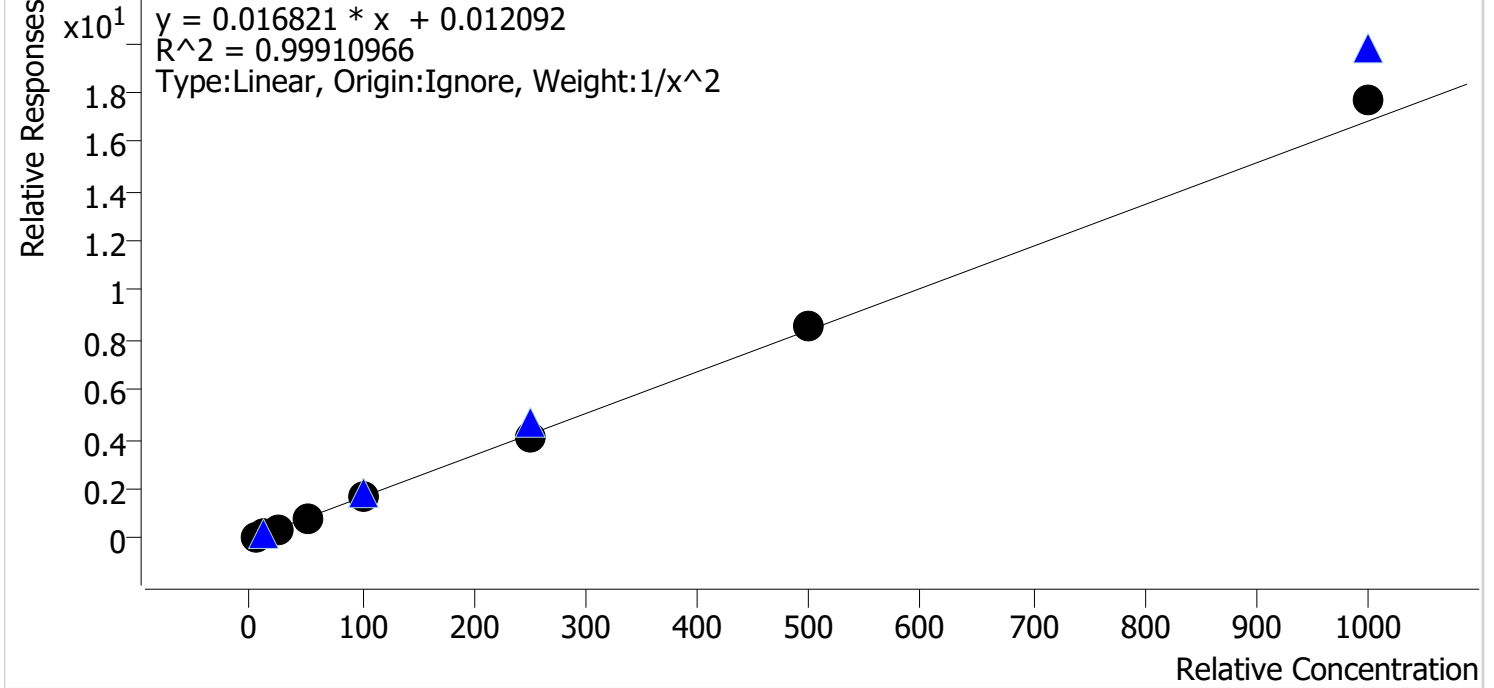
g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



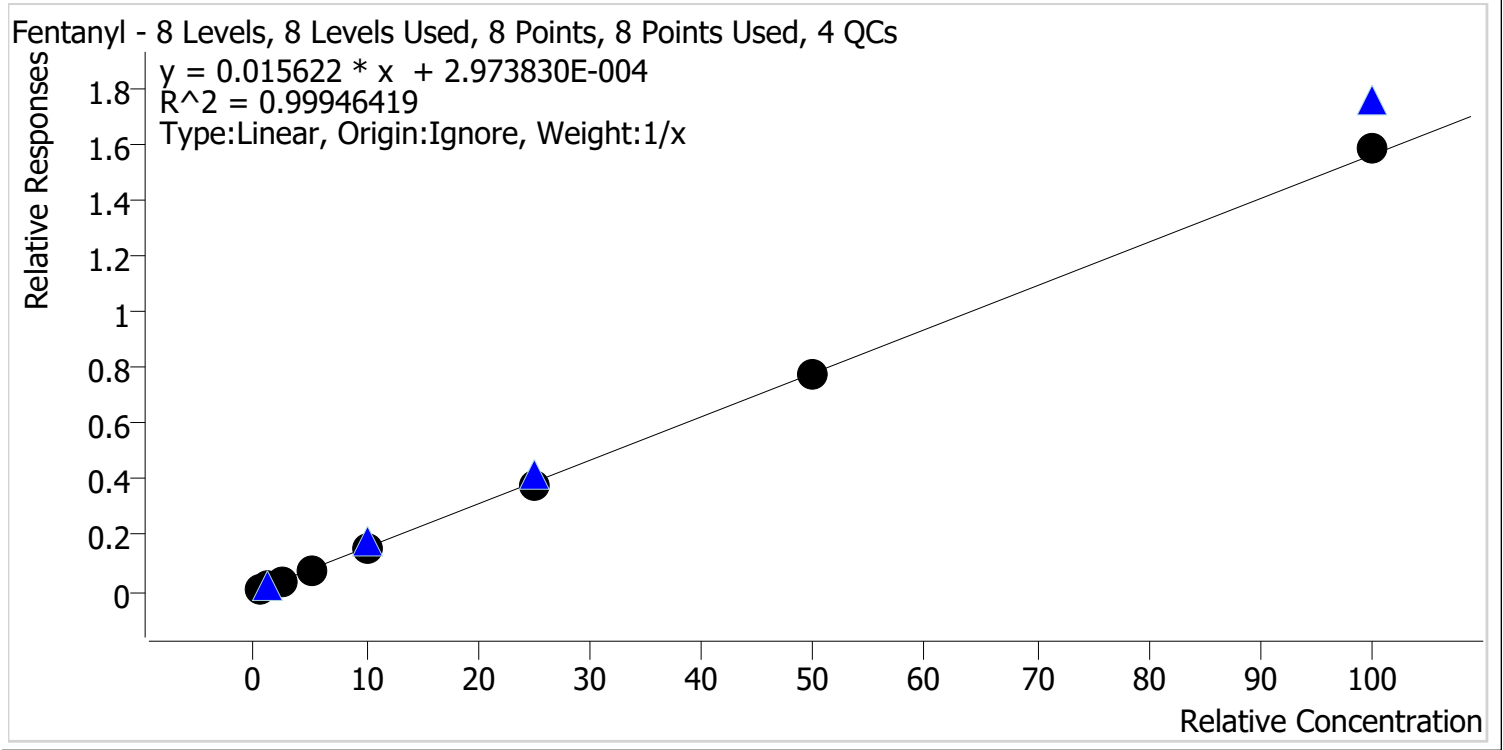
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	513.5	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1047.6	104.8

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

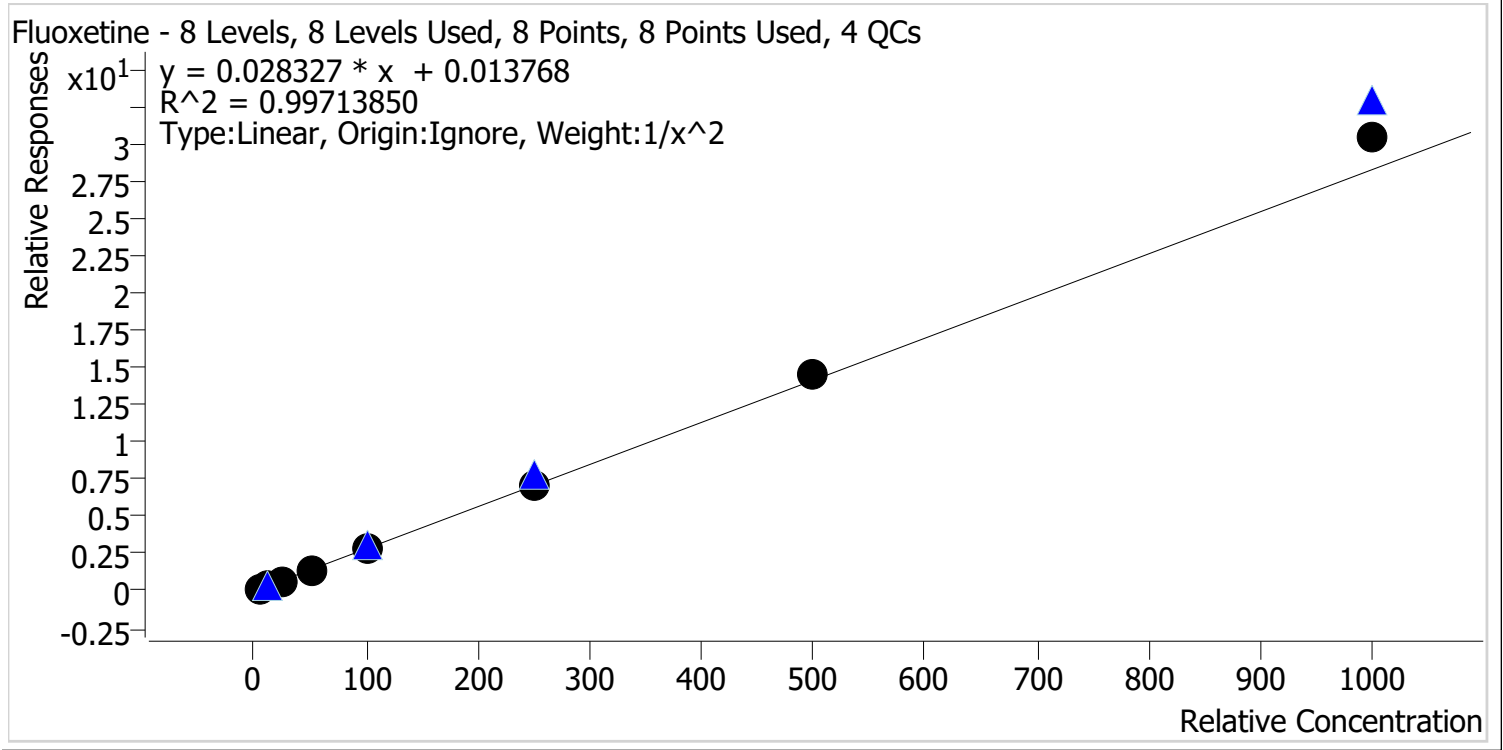


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.6	114.3
p1 Cal 2-10ng	2	✓	1.0	1.0	95.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.1
p1 Cal 4-50ng	4	✓	5.0	4.8	96.3
p1 Cal 5-100ng	5	✓	10.0	10.1	100.5
p1 Cal 6-250ng	6	✓	25.0	23.9	95.6
p1 Cal 7-500ng	7	✓	50.0	49.8	99.5
p1 Cal 8-1000ng	8	✓	100.0	101.5	101.5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

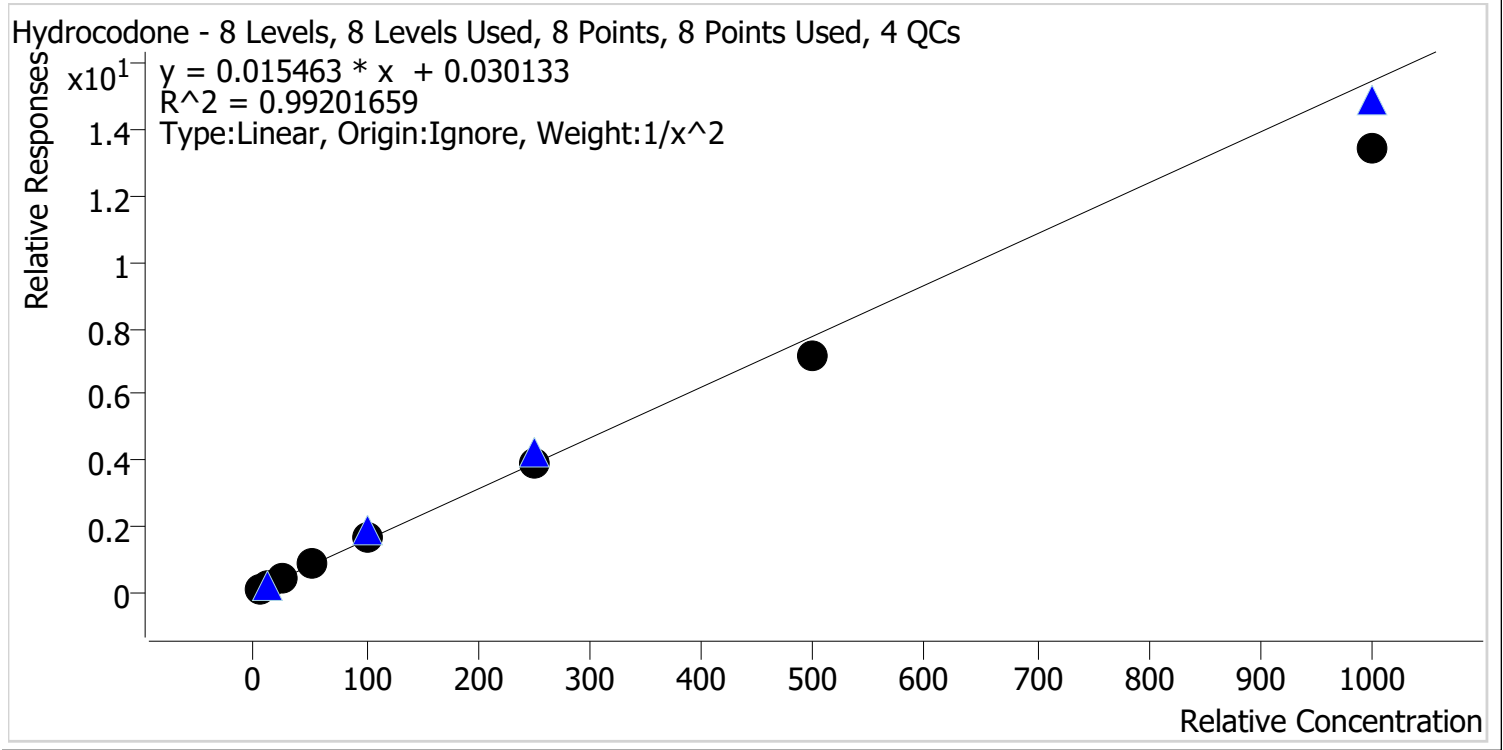


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	514.0	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1078.7	107.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

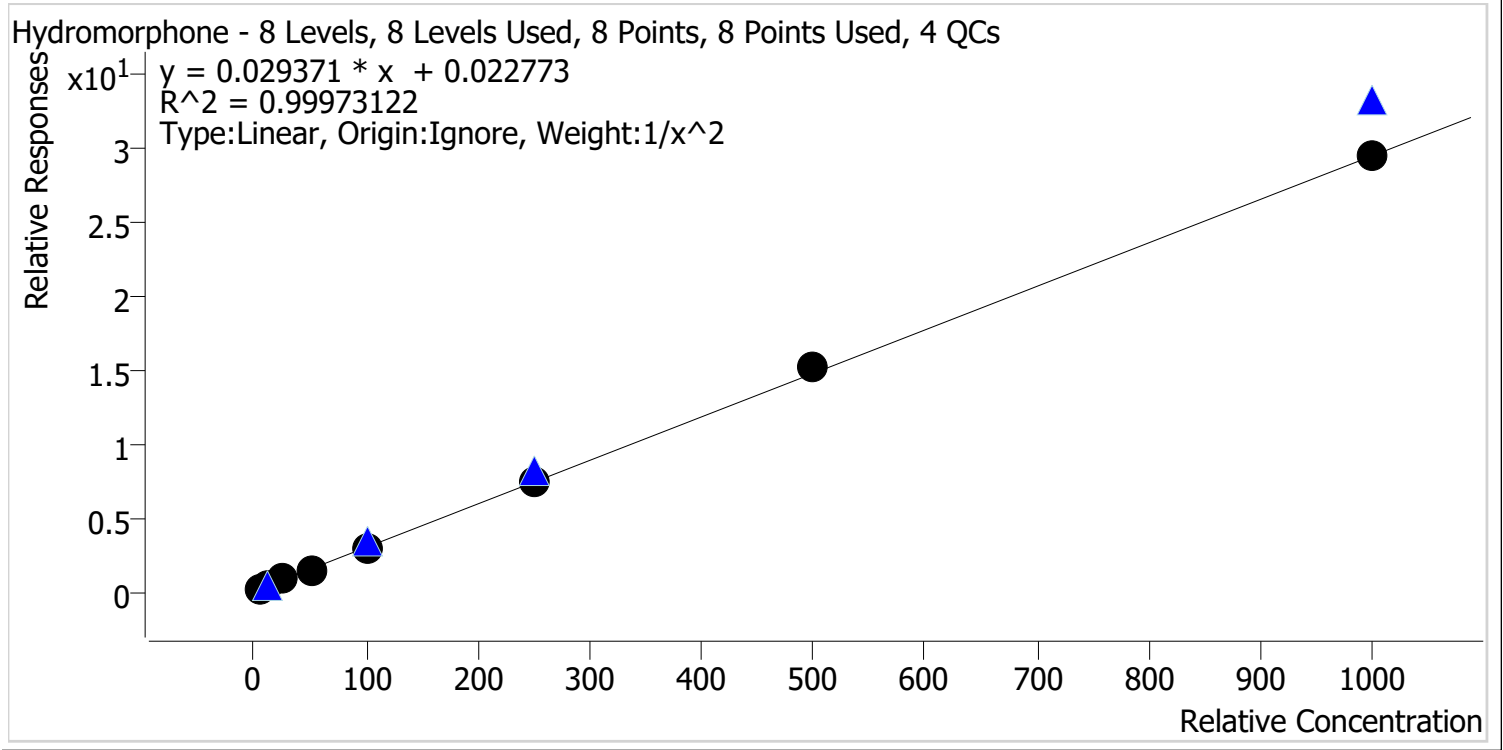


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2-10ng	2	✓	10.0	10.7	106.8
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	107.8	107.8
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	460.5	92.1
p1 Cal 8-1000ng	8	✓	1000.0	870.6	87.1



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

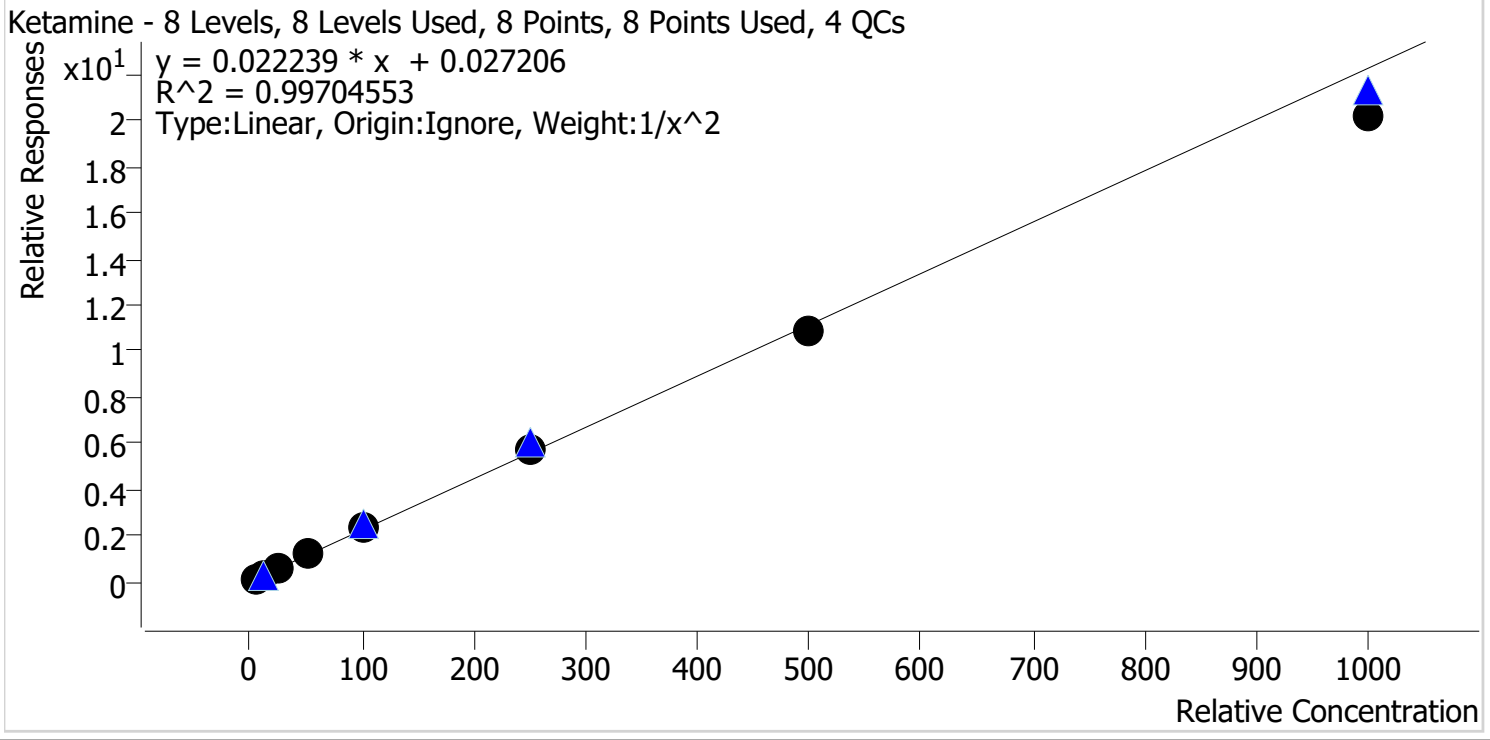


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	249.1	99.7
p1 Cal 7-500ng	7	✓	500.0	516.2	103.2
p1 Cal 8-1000ng	8	✓	1000.0	996.8	99.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

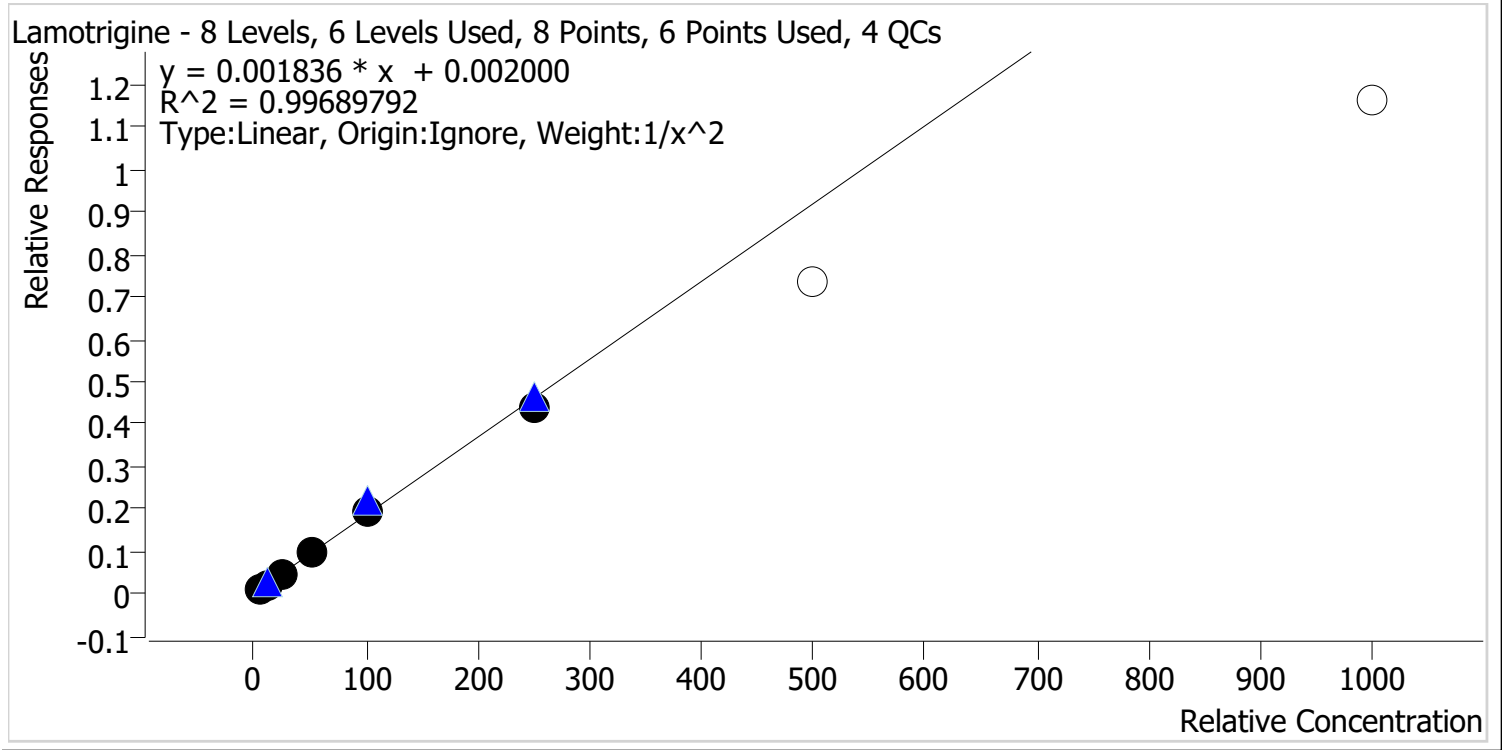


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	256.8	102.7
p1 Cal 7-500ng	7	✓	500.0	489.4	97.9
p1 Cal 8-1000ng	8	✓	1000.0	905.2	90.5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.3	92.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	239.3	95.7
p1 Cal 7-500ng	7	✗	500.0	398.8	79.8
p1 Cal 8-1000ng	8	✗	1000.0	632.3	63.2

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

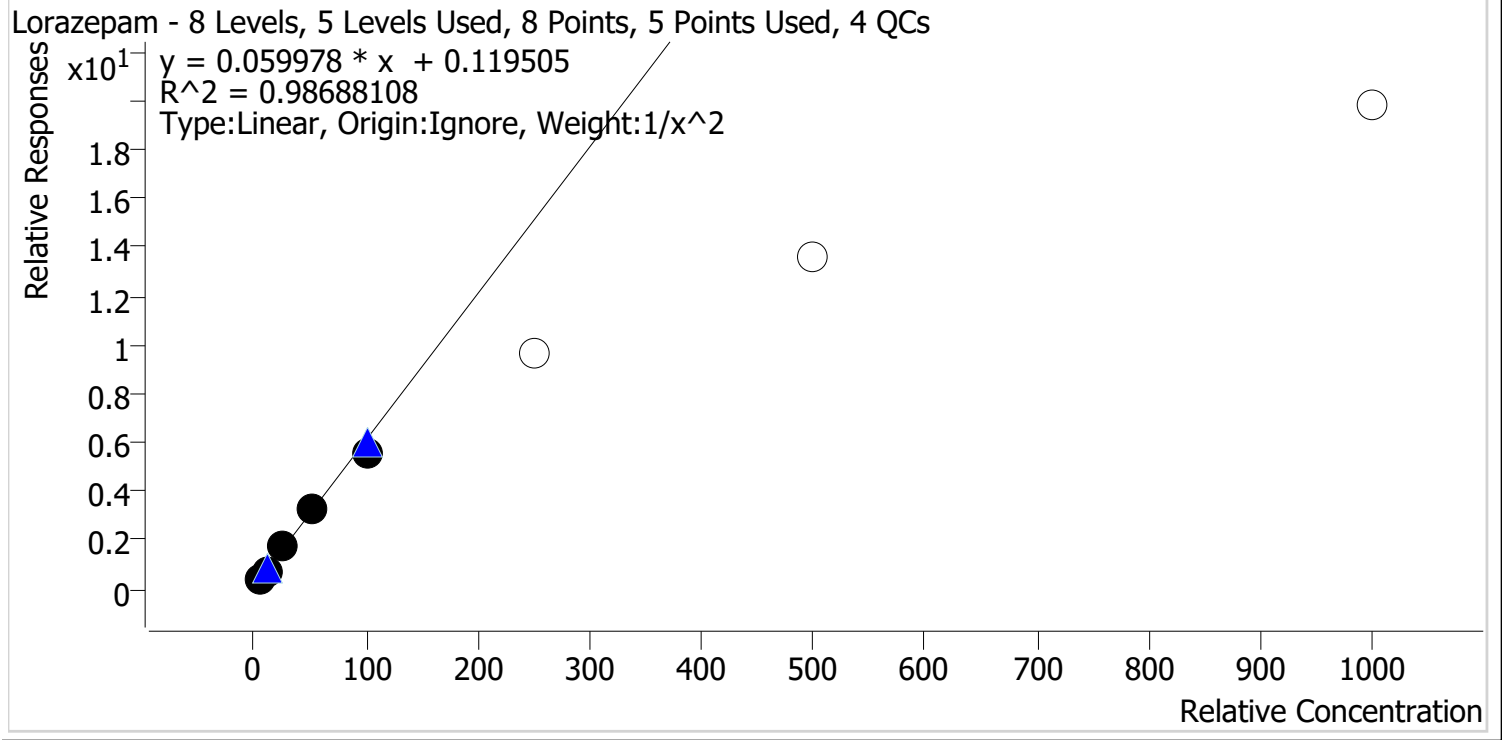


g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4



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	9.1	91.2
p1 Cal 3 -25ng	3	✓	25.0	27.5	110.1
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	90.3	90.3
p1 Cal 6-250ng	6	x	250.0	158.9	63.5
p1 Cal 7-500ng	7	x	500.0	225.7	45.1
p1 Cal 8-1000ng	8	x	1000.0	329.3	32.9

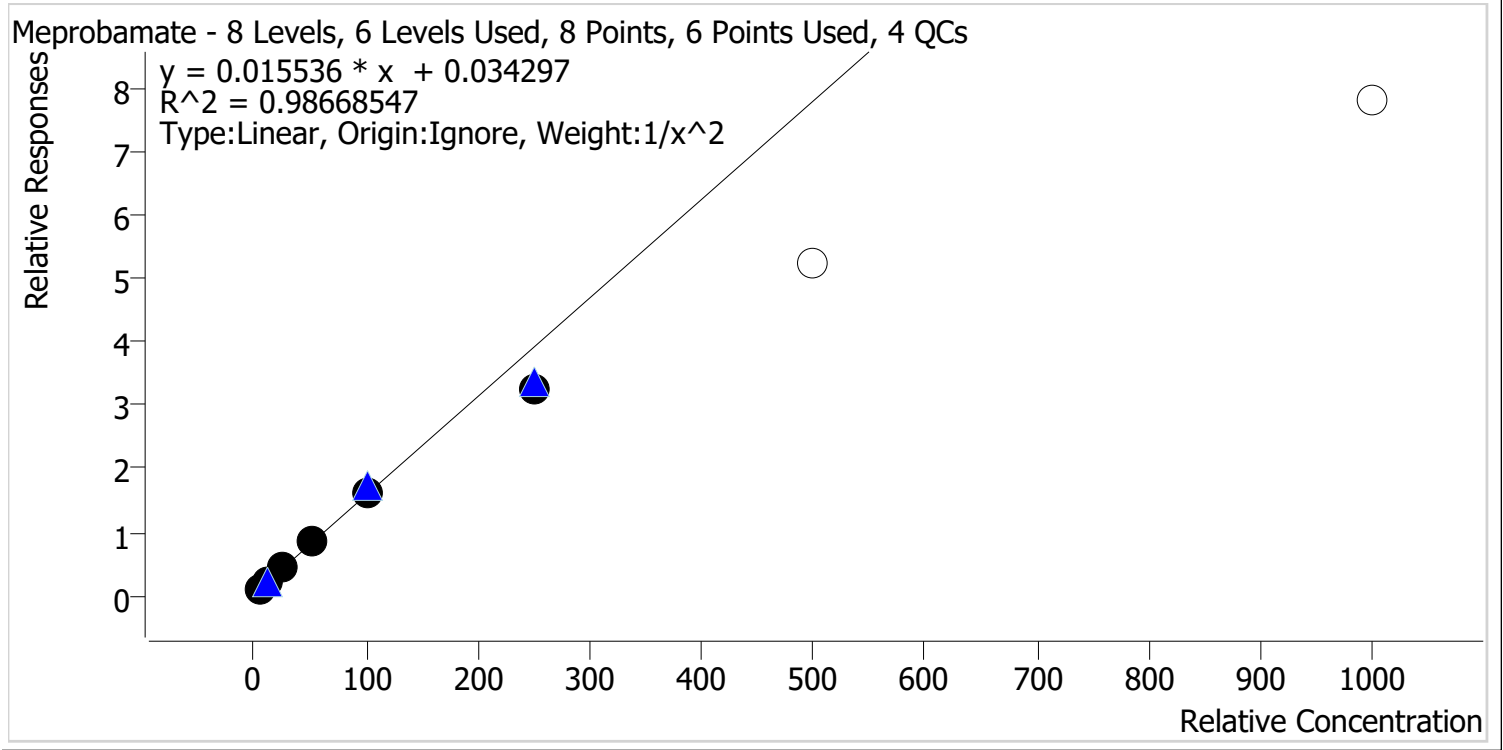
Calibrators 6, 7, and 8 dropped due to not meeting accuracy requirement.

g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 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	96.7
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	27.9	111.6
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	209.1	83.6
p1 Cal 7-500ng	7	x	500.0	335.7	67.1
p1 Cal 8-1000ng	8	x	1000.0	500.3	50.0

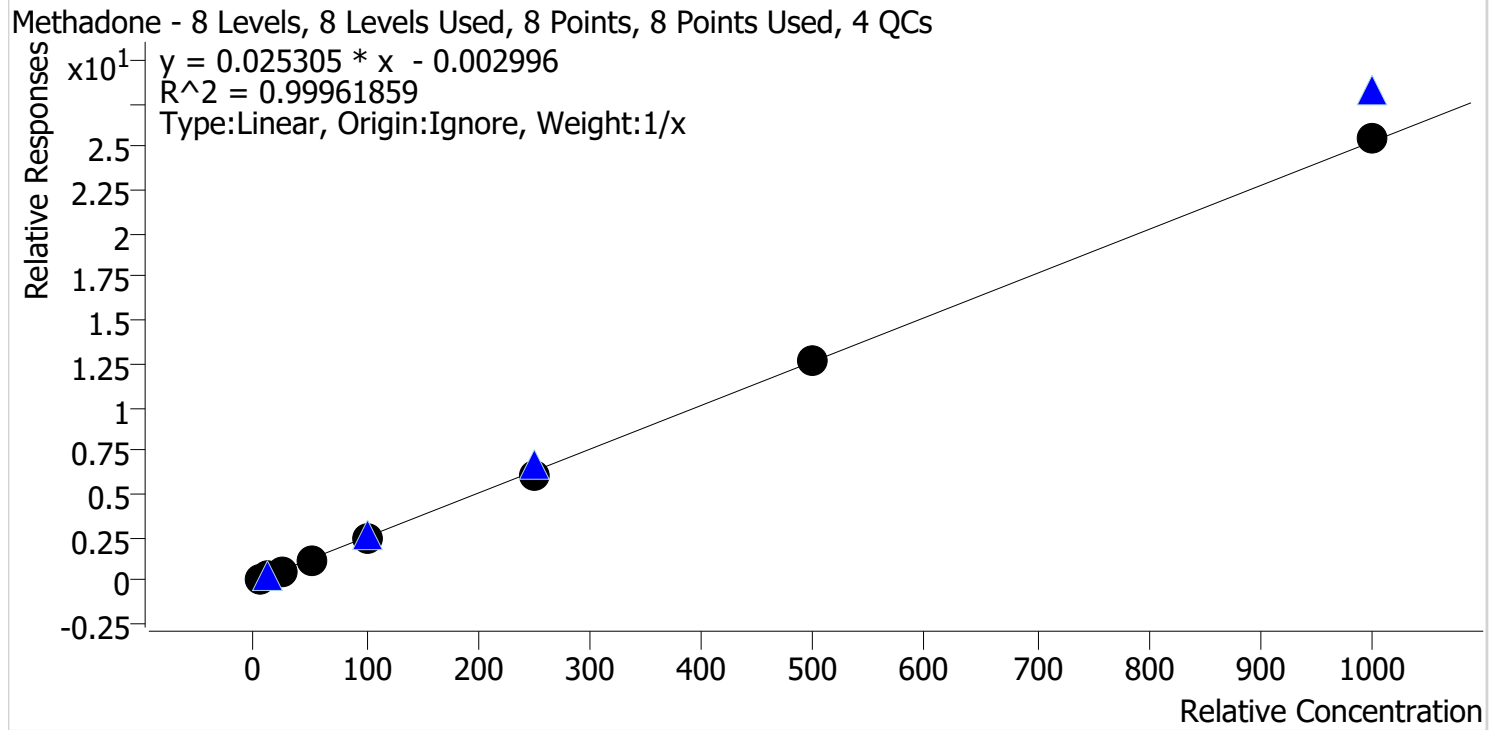
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

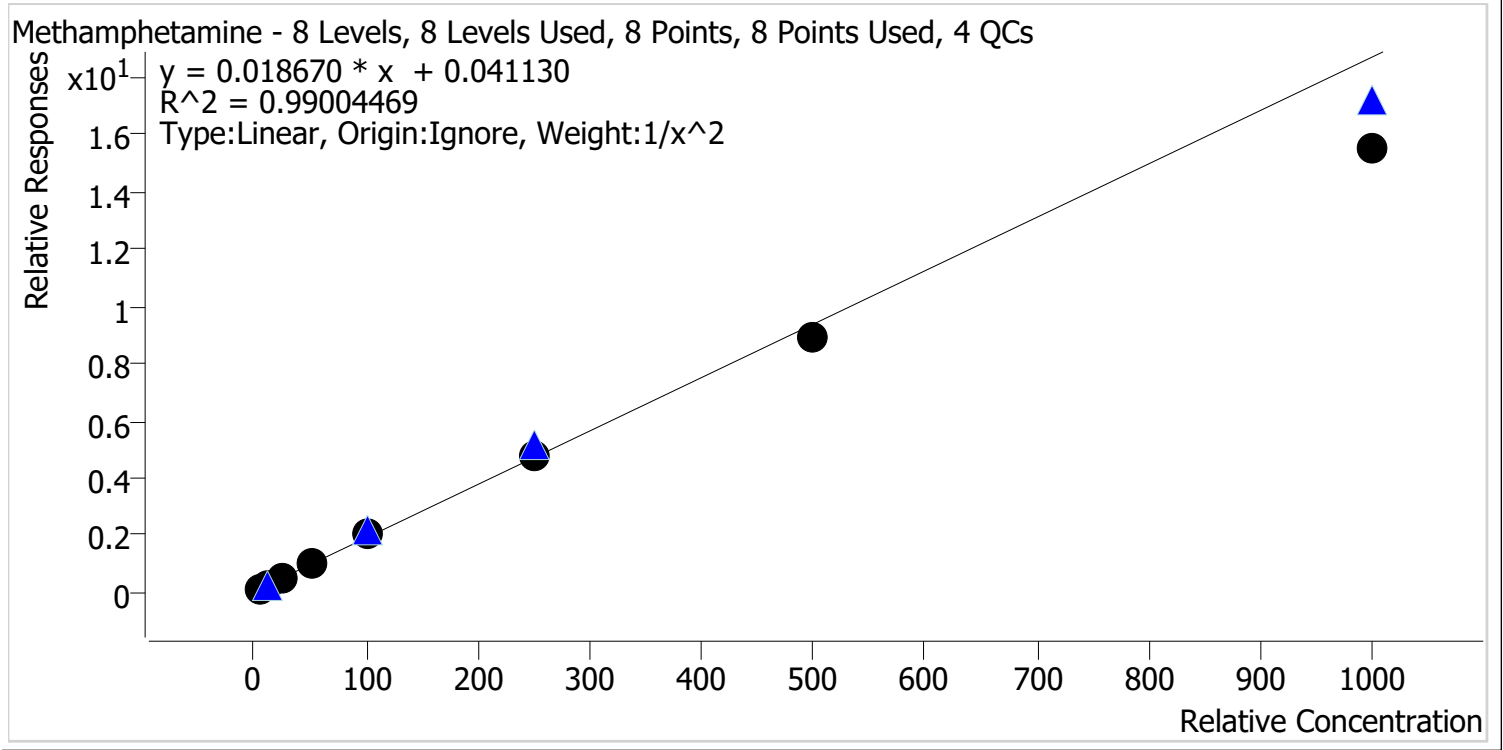


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.8
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	503.2	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1009.8	101.0



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

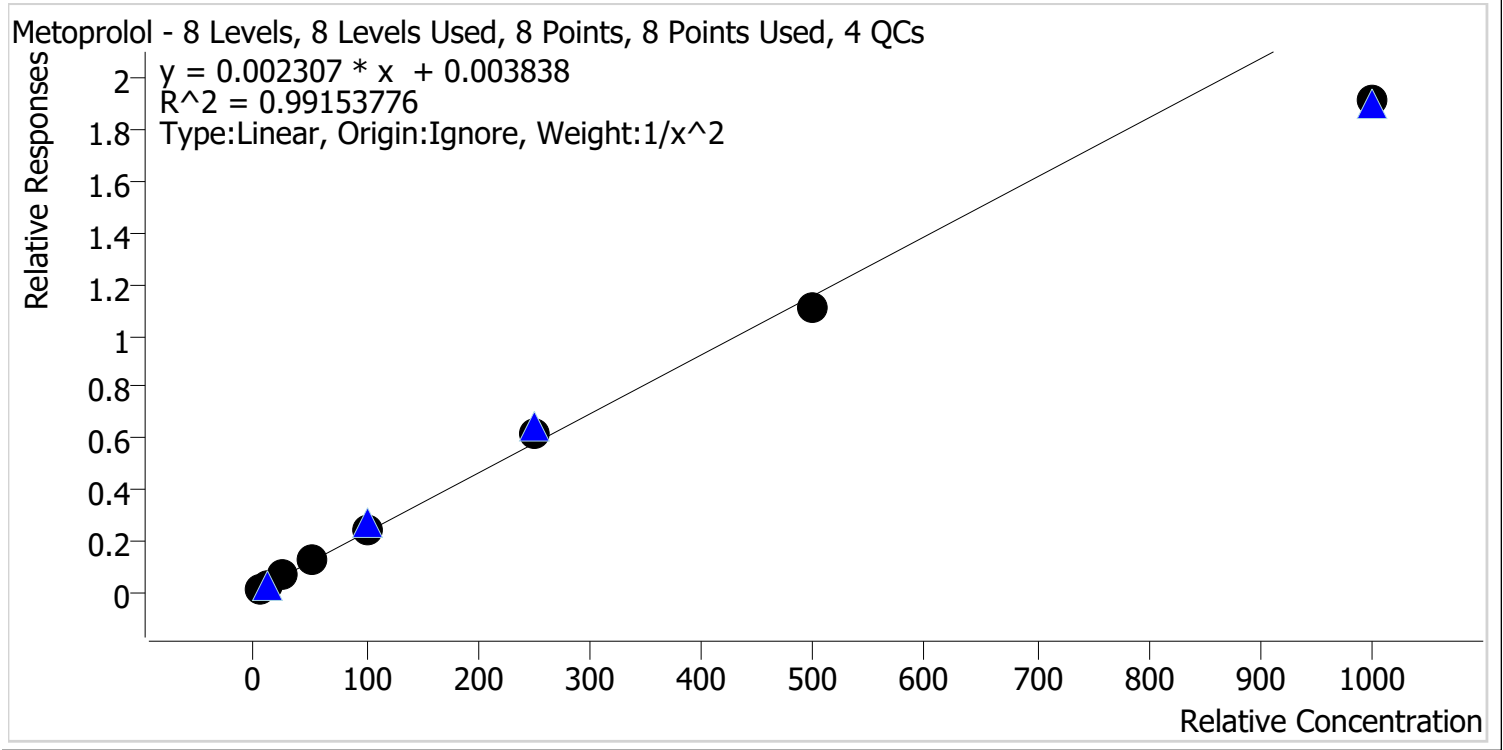


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.0
p1 Cal 2-10ng	2	✓	10.0	10.5	105.0
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.6
p1 Cal 4-50ng	4	✓	50.0	54.0	108.1
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	473.7	94.7
p1 Cal 8-1000ng	8	✓	1000.0	826.5	82.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



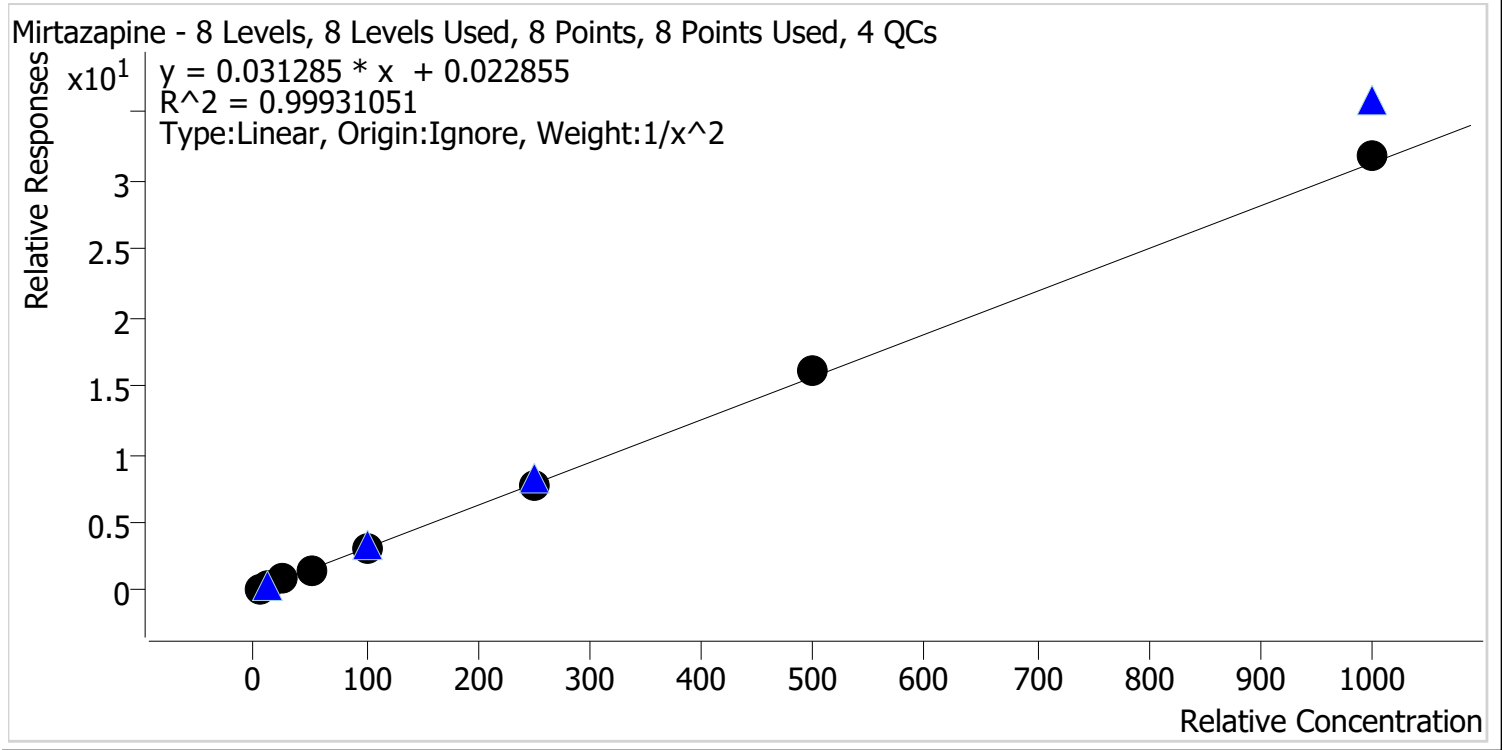
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	264.5	105.8
p1 Cal 7-500ng	7	✓	500.0	481.0	96.2
p1 Cal 8-1000ng	8	✓	1000.0	829.4	82.9

g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



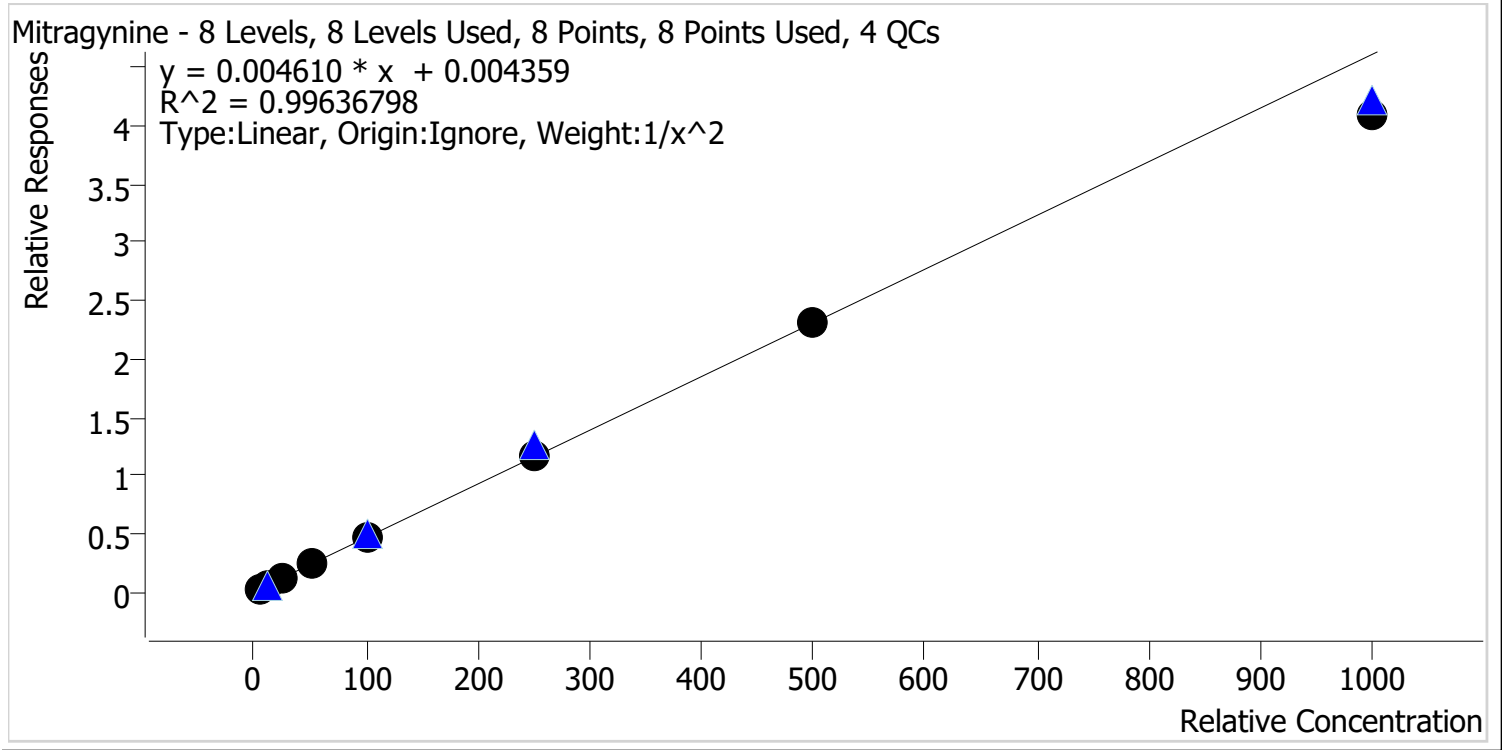
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	513.7	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1021.1	102.1

g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



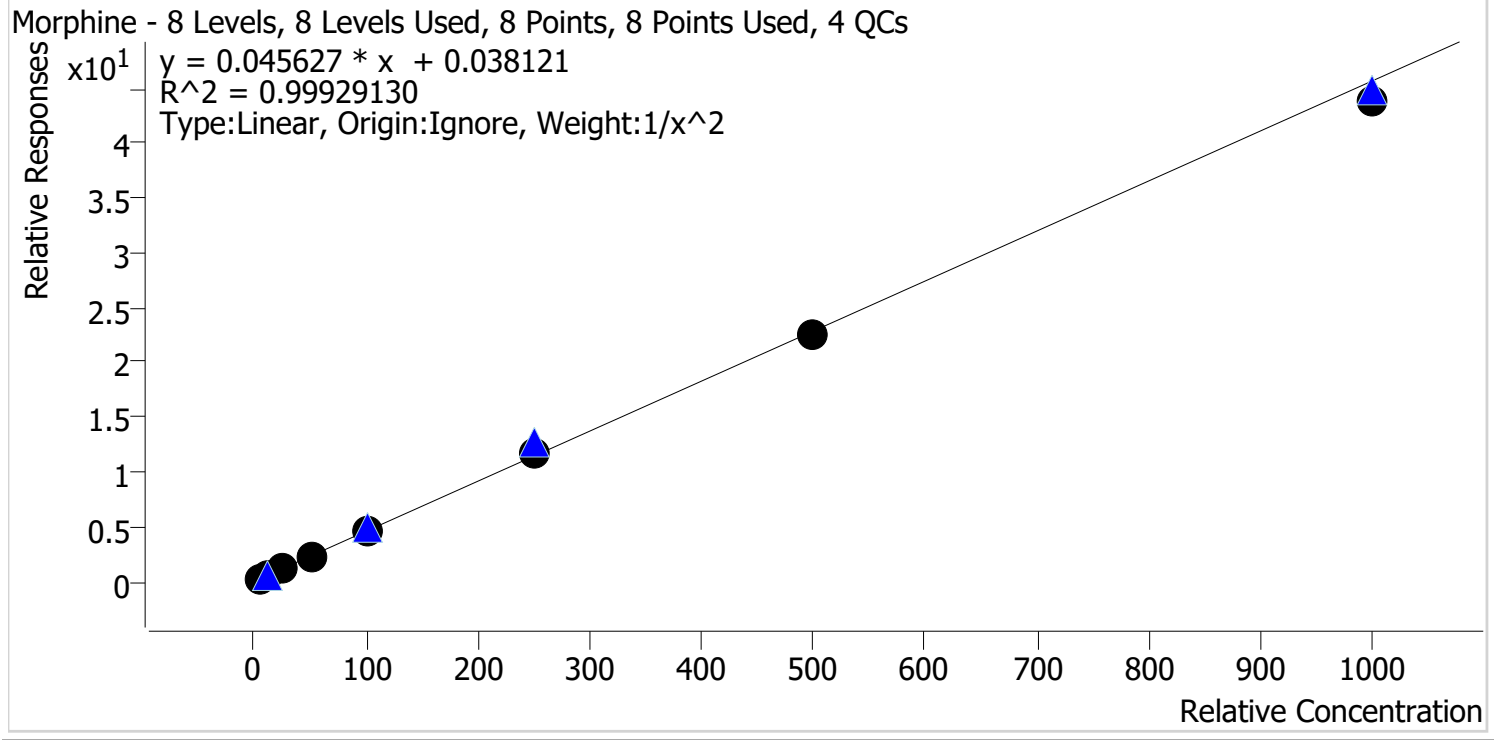
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.0
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	500.6	100.1
p1 Cal 8-1000ng	8	✓	1000.0	888.1	88.8

CS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



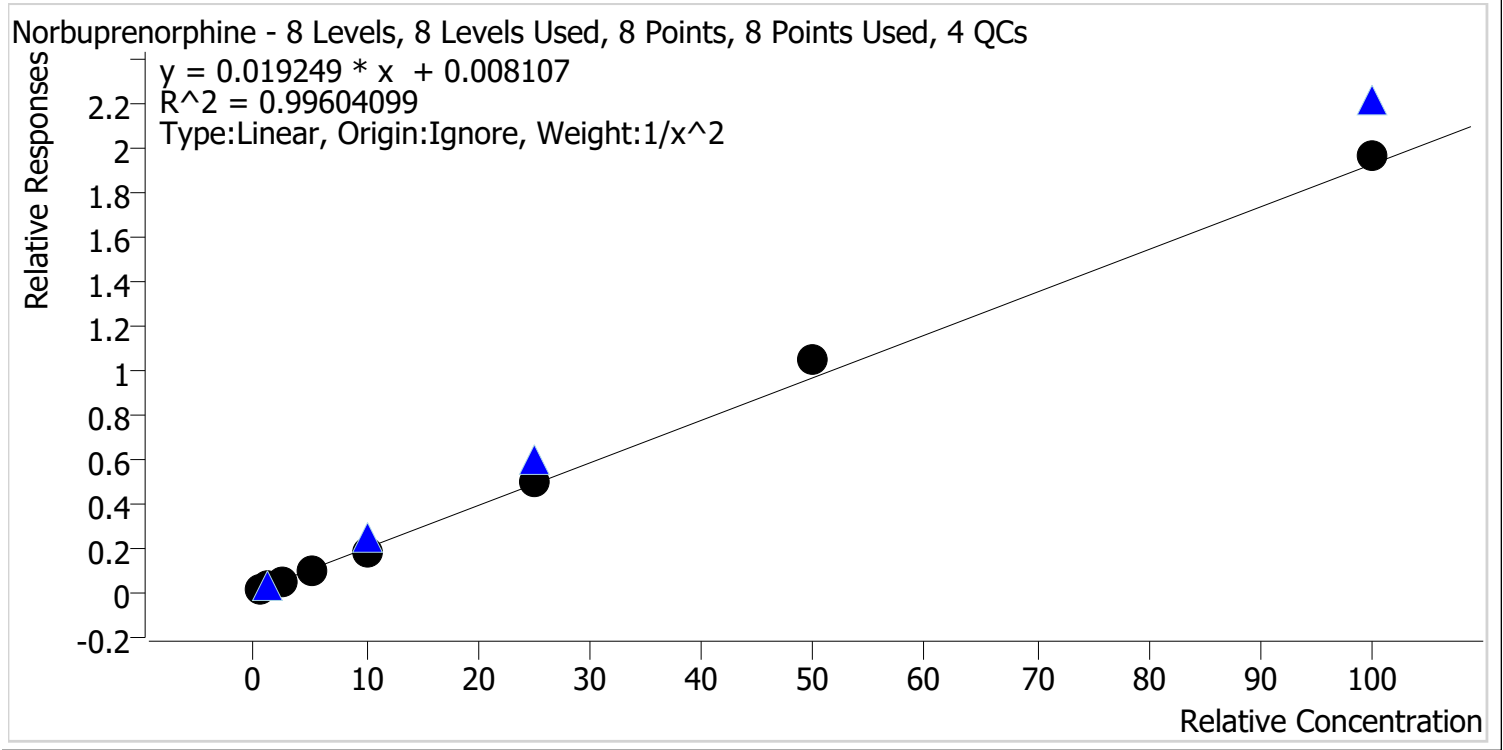
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	258.4	103.3
p1 Cal 7-500ng	7	✓	500.0	490.0	98.0
p1 Cal 8-1000ng	8	✓	1000.0	959.6	96.0





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

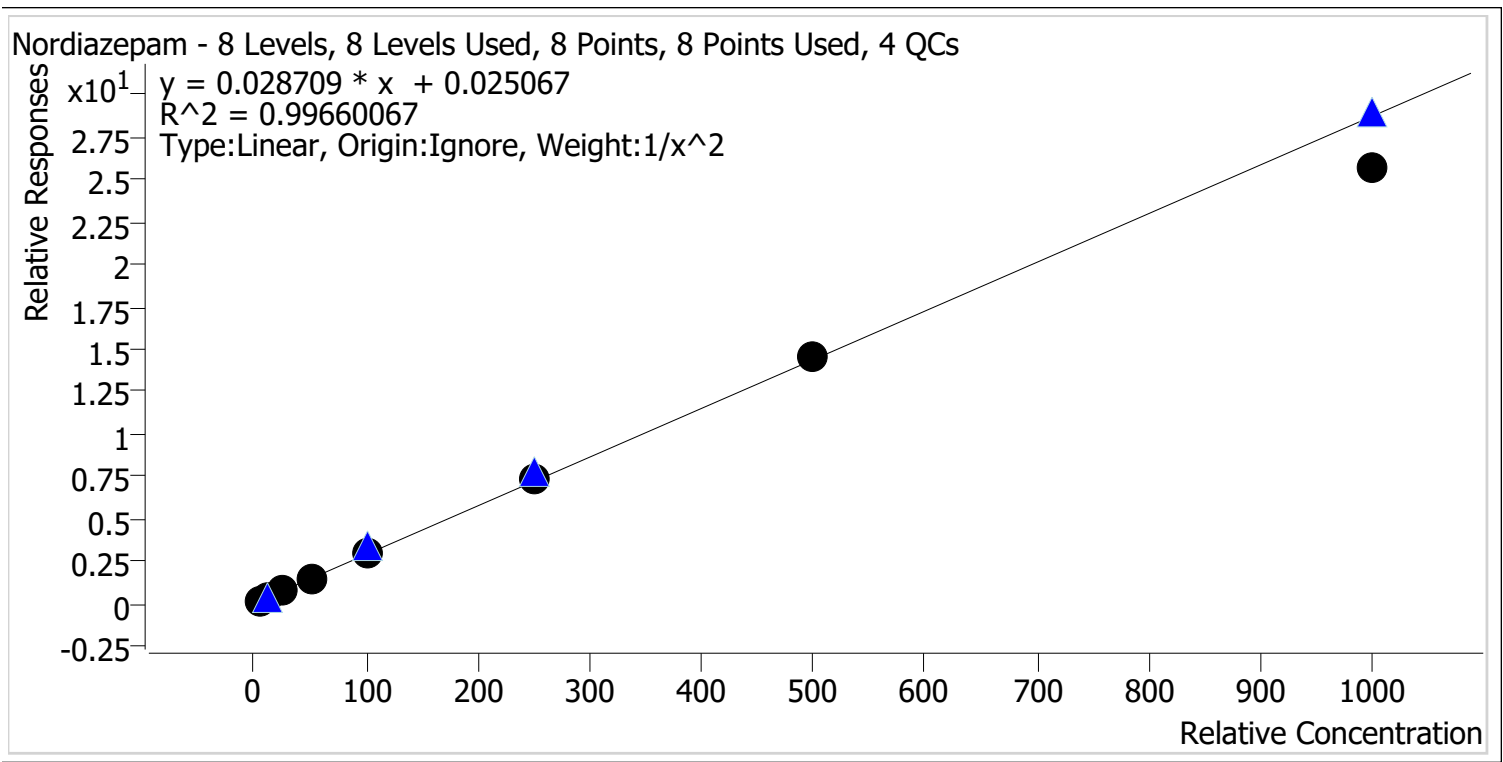


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.2
p1 Cal 2-10ng	2	✓	1.0	1.0	96.6
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.0
p1 Cal 4-50ng	4	✓	5.0	5.1	102.8
p1 Cal 5-100ng	5	✓	10.0	9.4	93.8
p1 Cal 6-250ng	6	✓	25.0	25.3	101.0
p1 Cal 7-500ng	7	✓	50.0	54.2	108.4
p1 Cal 8-1000ng	8	✓	100.0	102.2	102.2



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



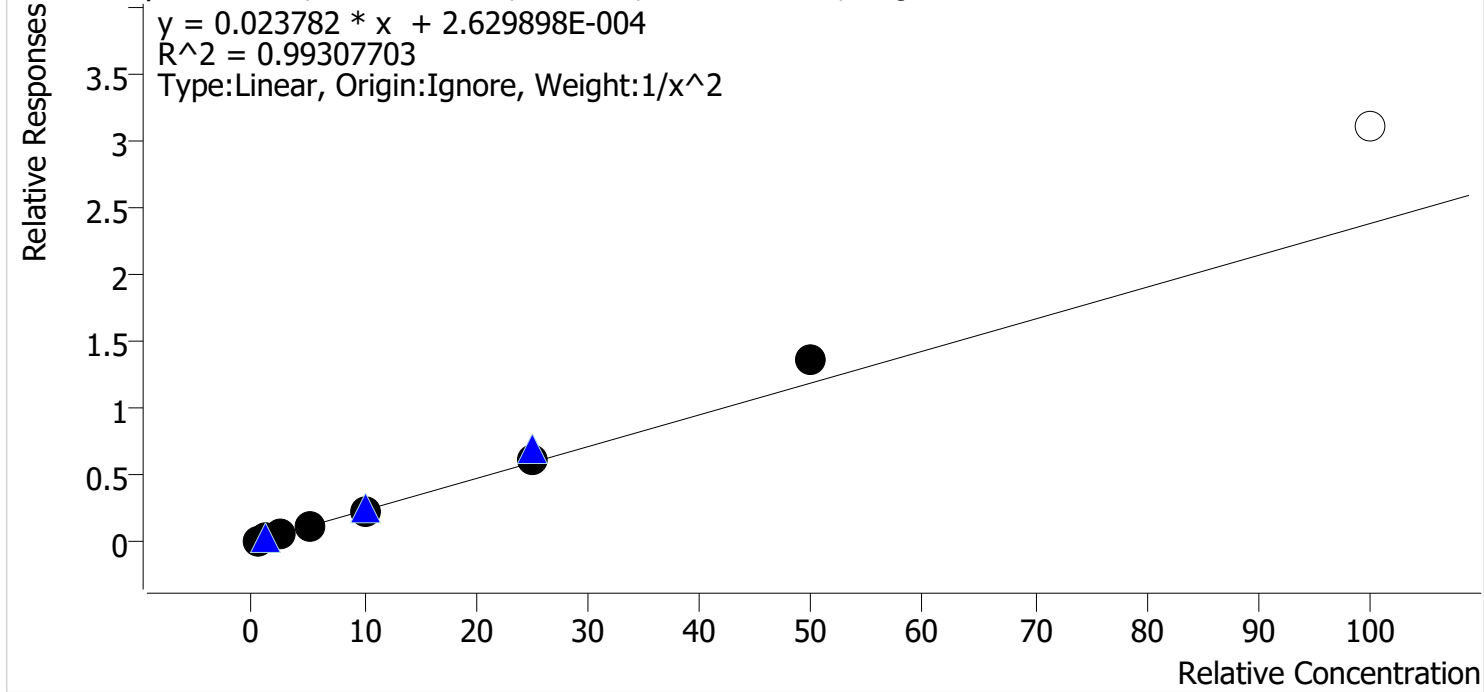
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	255.4	102.1
p1 Cal 7-500ng	7	✓	500.0	508.3	101.7
p1 Cal 8-1000ng	8	✓	1000.0	891.7	89.2



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

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



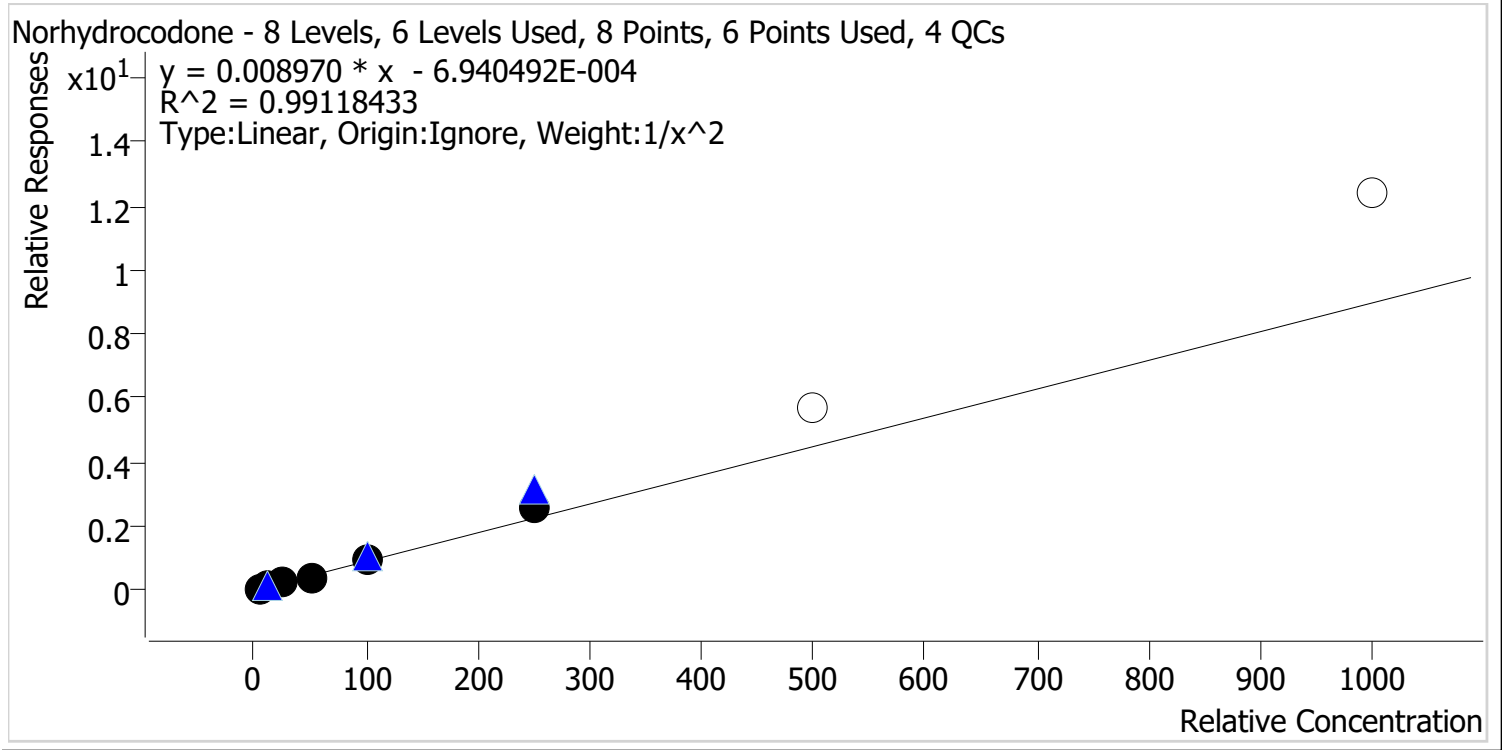
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.1
p1 Cal 2-10ng	2	✓	1.0	1.0	97.5
p1 Cal 3 -25ng	3	✓	2.5	2.3	94.0
p1 Cal 4-50ng	4	✓	5.0	4.7	93.9
p1 Cal 5-100ng	5	✓	10.0	9.6	96.1
p1 Cal 6-250ng	6	✓	25.0	25.4	101.6
p1 Cal 7-500ng	7	✓	50.0	56.9	113.8
p1 Cal 8-1000ng	8	✗	100.0	130.0	130.0

Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



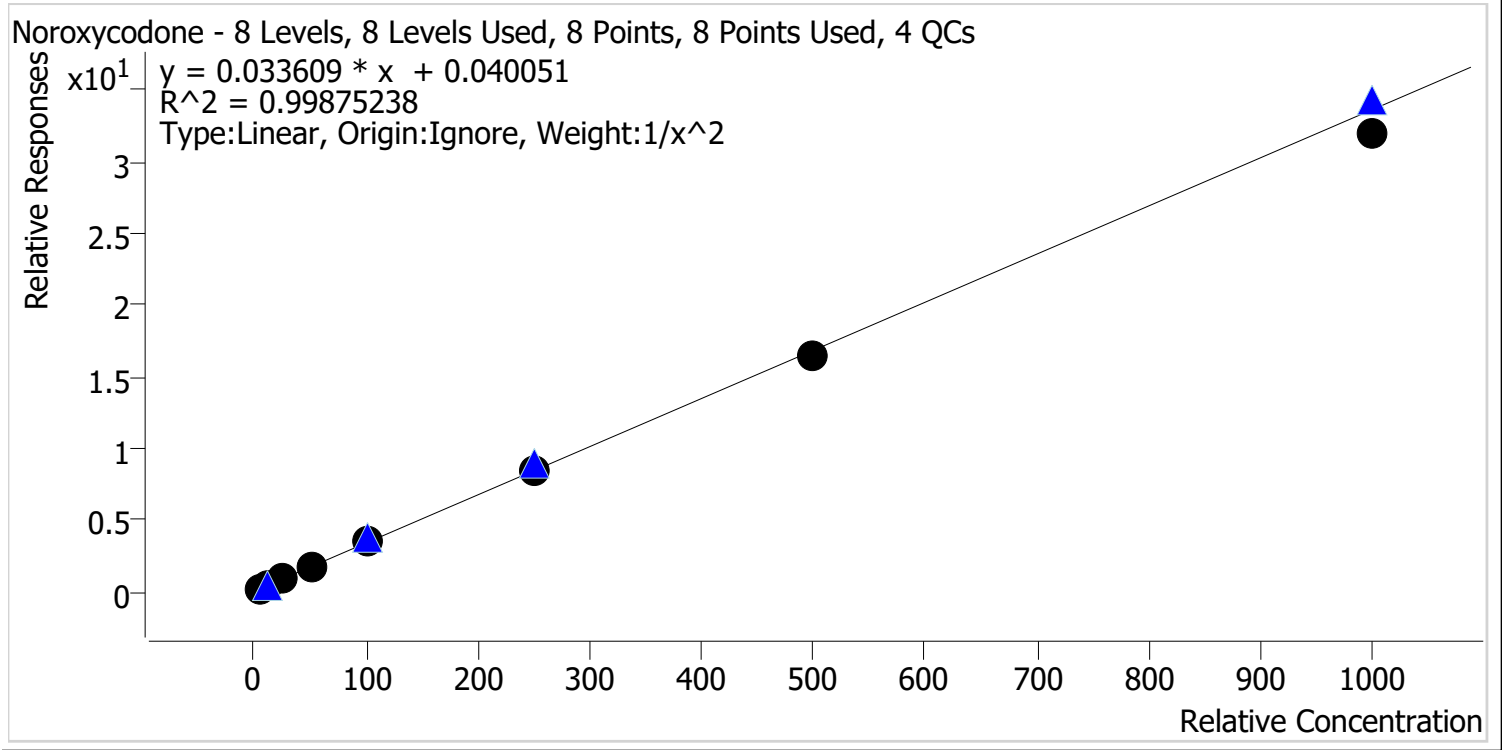
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.2
p1 Cal 4-50ng	4	✓	50.0	46.0	92.0
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	283.6	113.4
p1 Cal 7-500ng	7	x	500.0	640.4	128.1
p1 Cal 8-1000ng	8	x	1000.0	1380.4	138.0

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



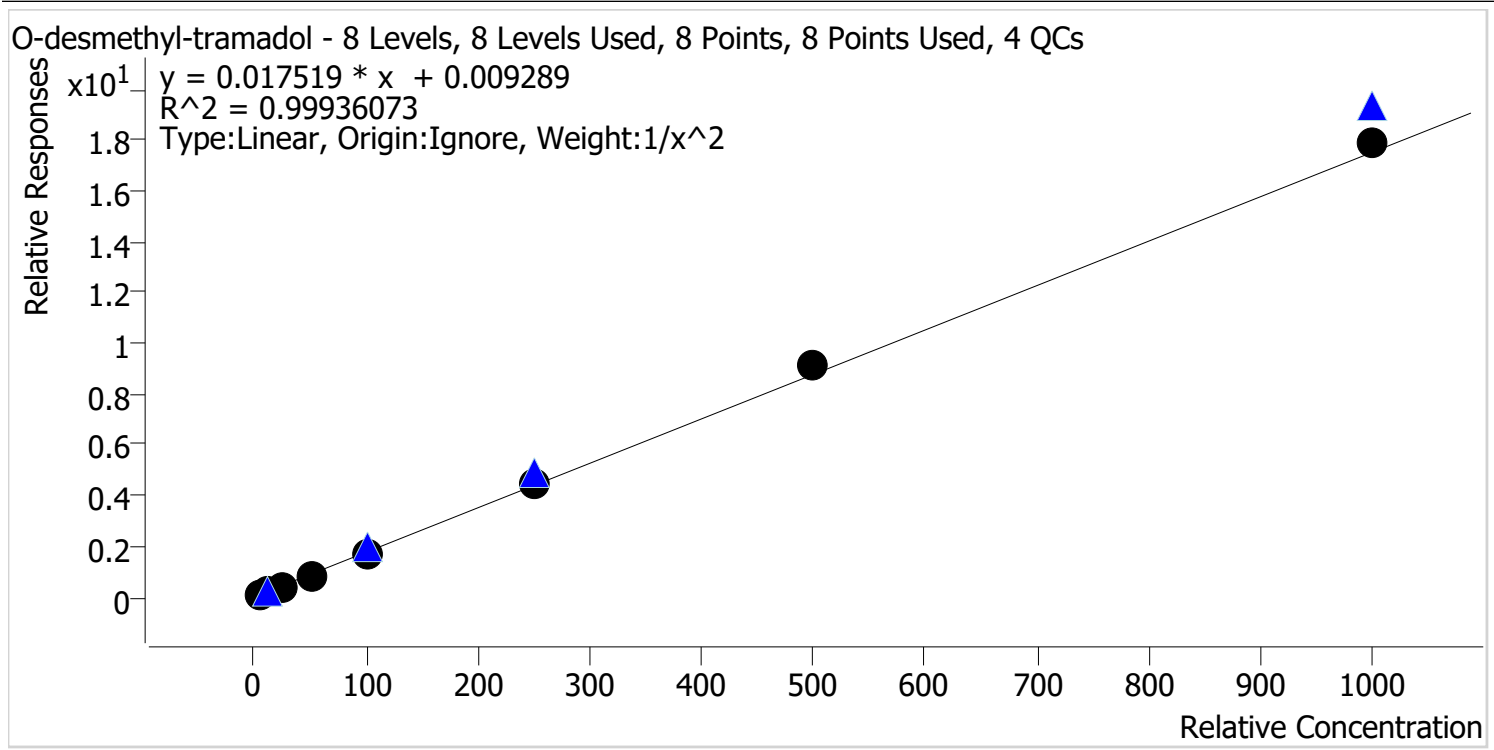
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	487.8	97.6
p1 Cal 8-1000ng	8	✓	1000.0	951.9	95.2

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



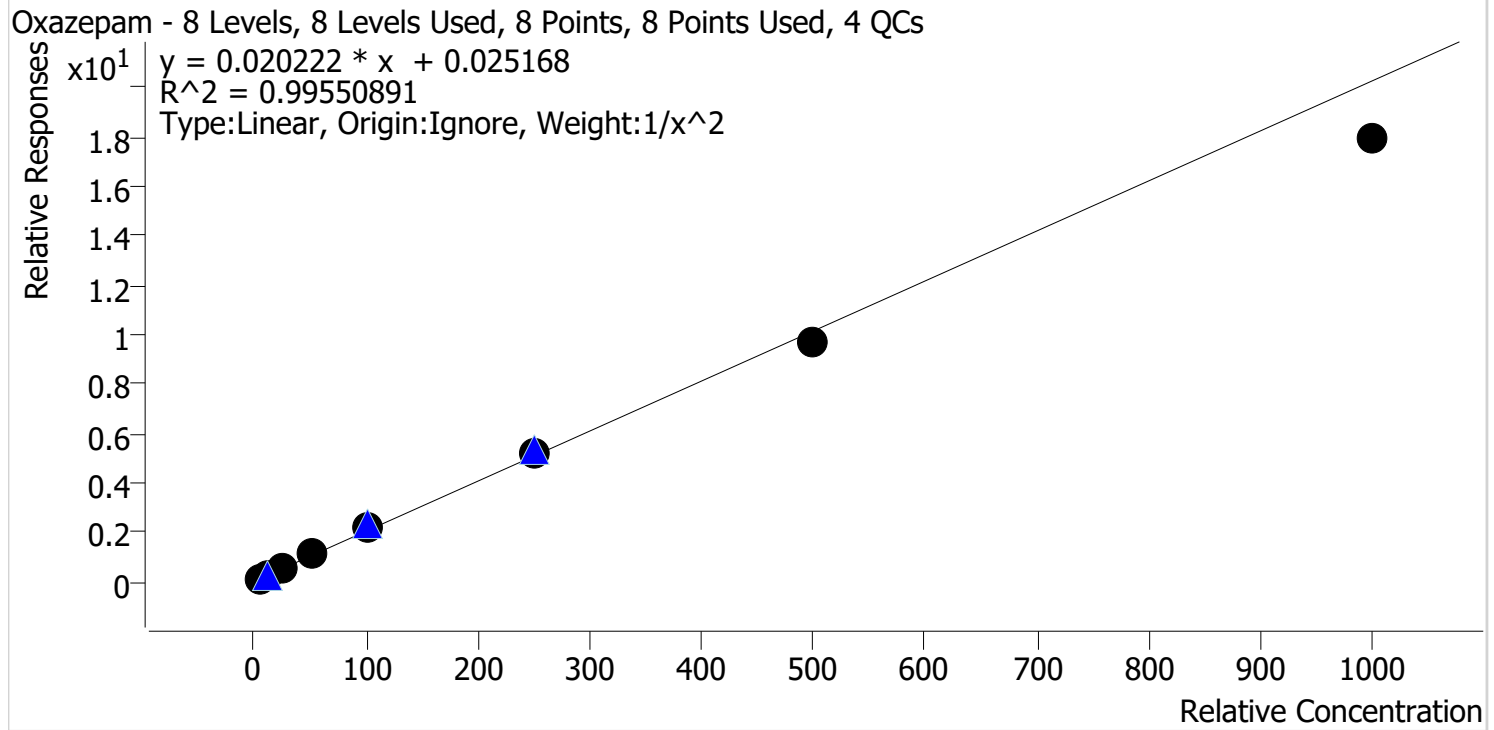
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	518.1	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1020.5	102.1

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

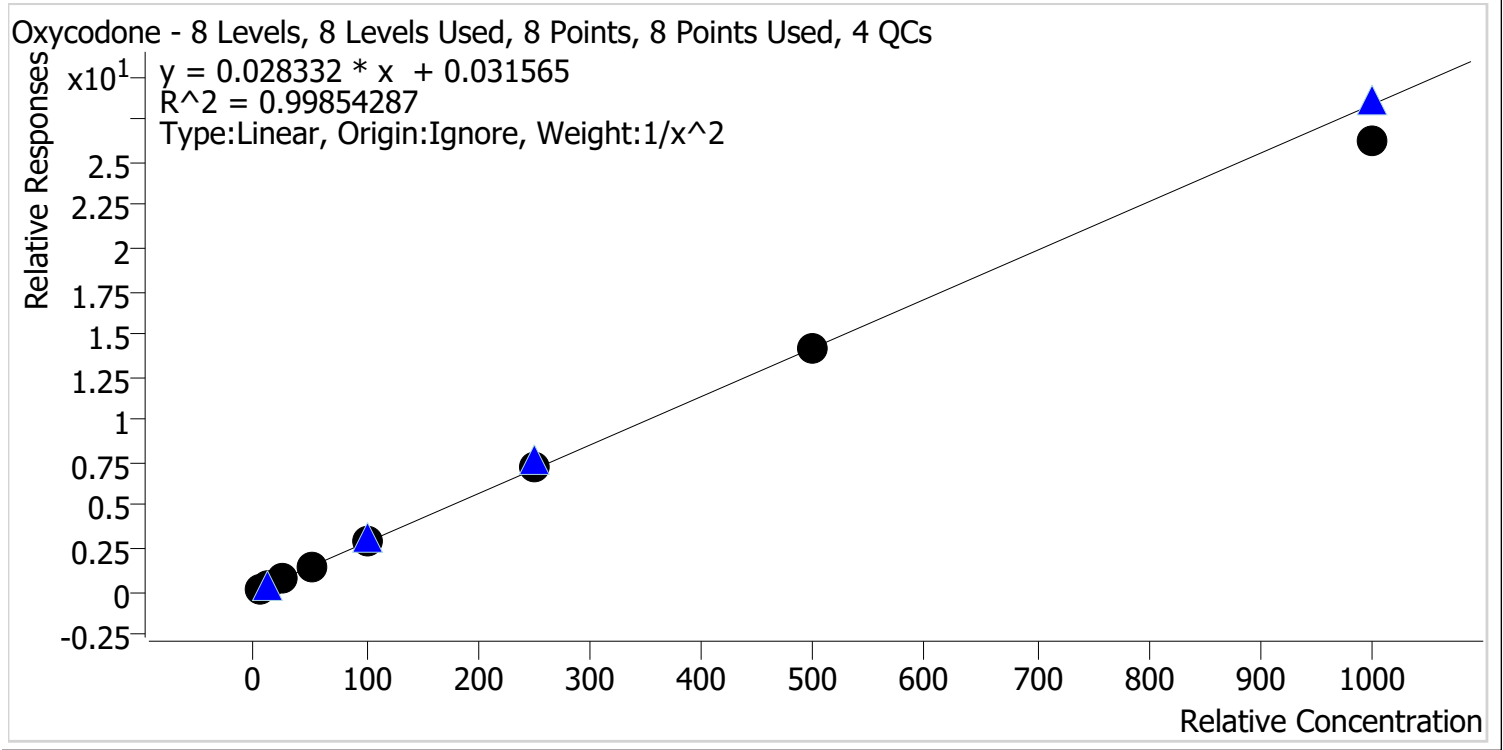


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.6
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	256.9	102.7
p1 Cal 7-500ng	7	✓	500.0	477.2	95.4
p1 Cal 8-1000ng	8	✓	1000.0	885.9	88.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	51.4	102.9
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	927.2	92.7

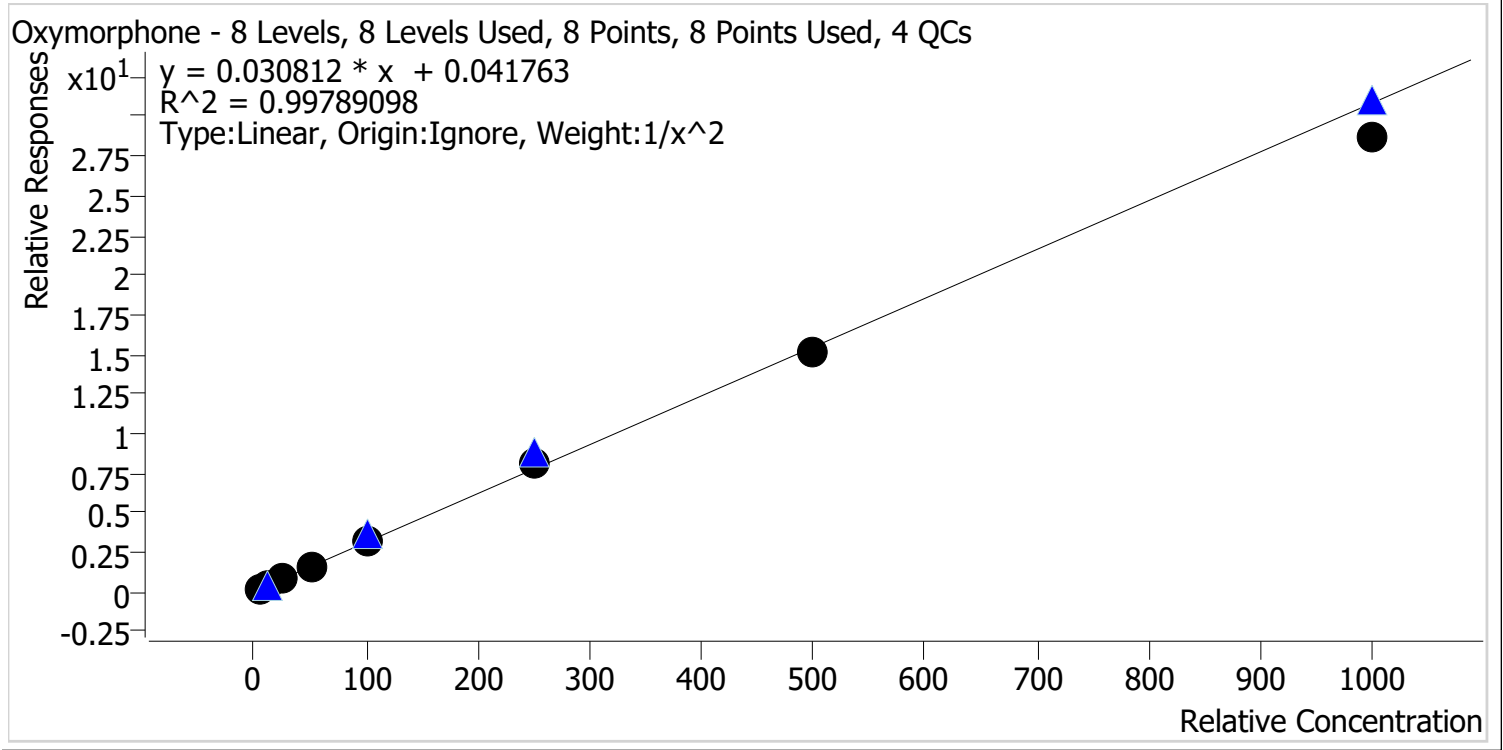


cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



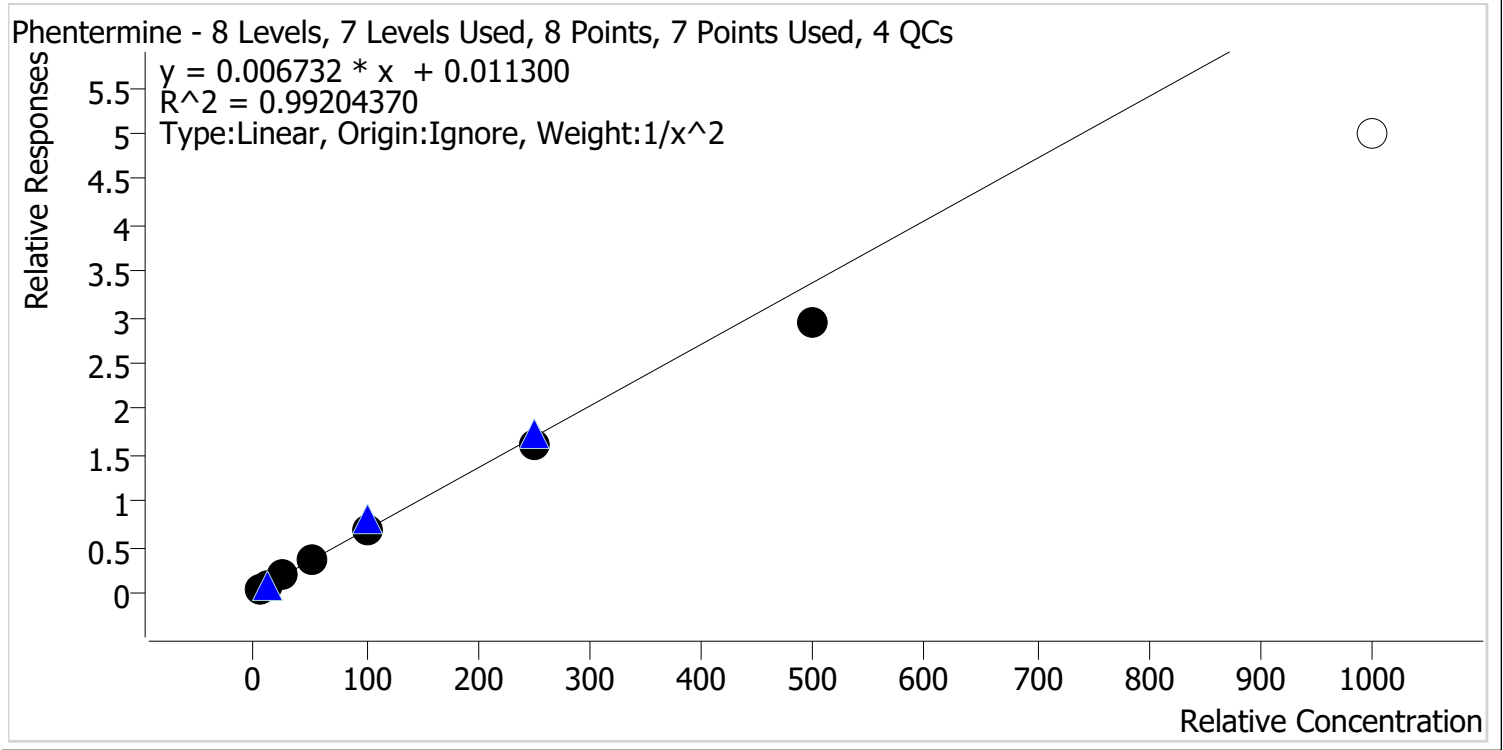
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	260.0	104.0
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	928.1	92.8

g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



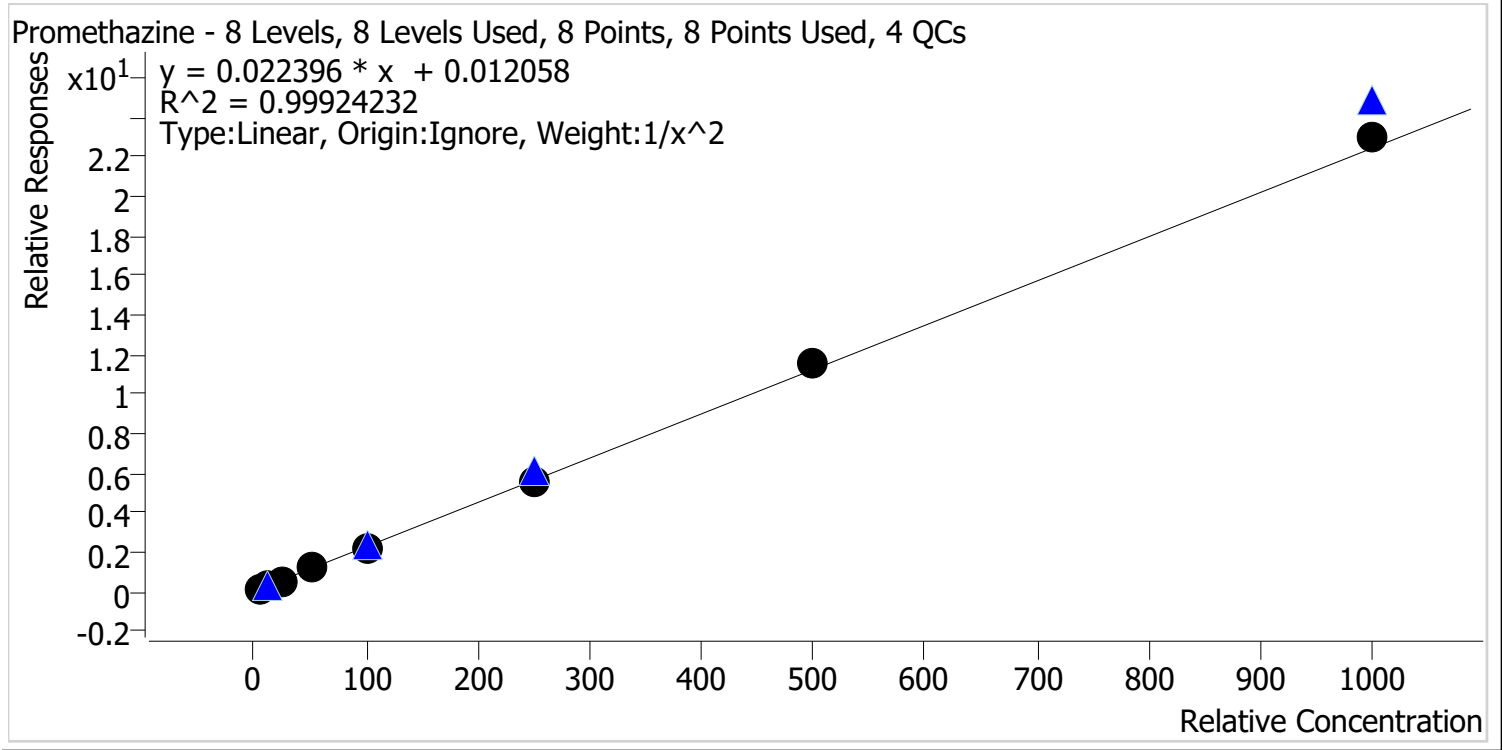
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2-10ng	2	✓	10.0	10.6	105.6
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.4
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	239.3	95.7
p1 Cal 7-500ng	7	✓	500.0	435.4	87.1
p1 Cal 8-1000ng	8	✗	1000.0	740.5	74.0

Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

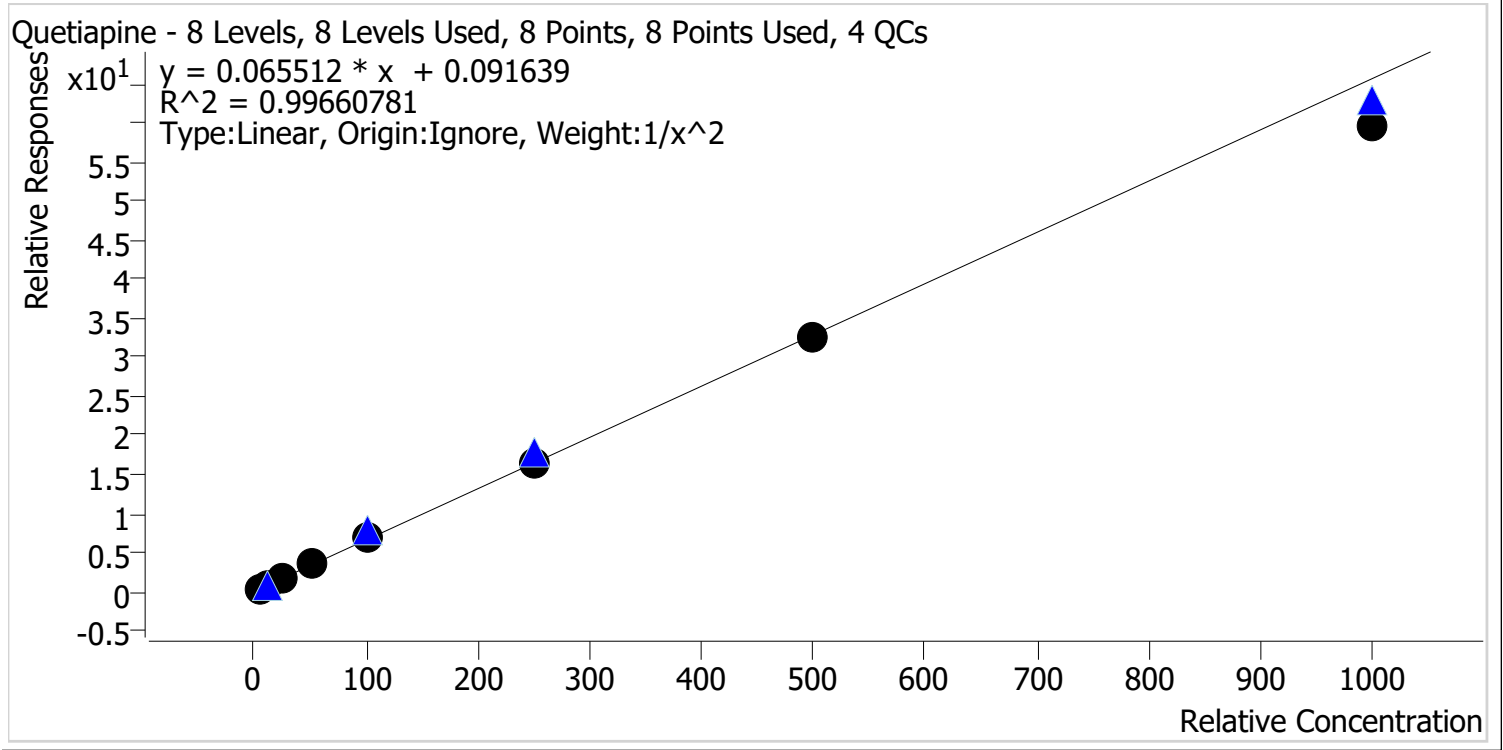


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	512.1	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1026.5	102.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



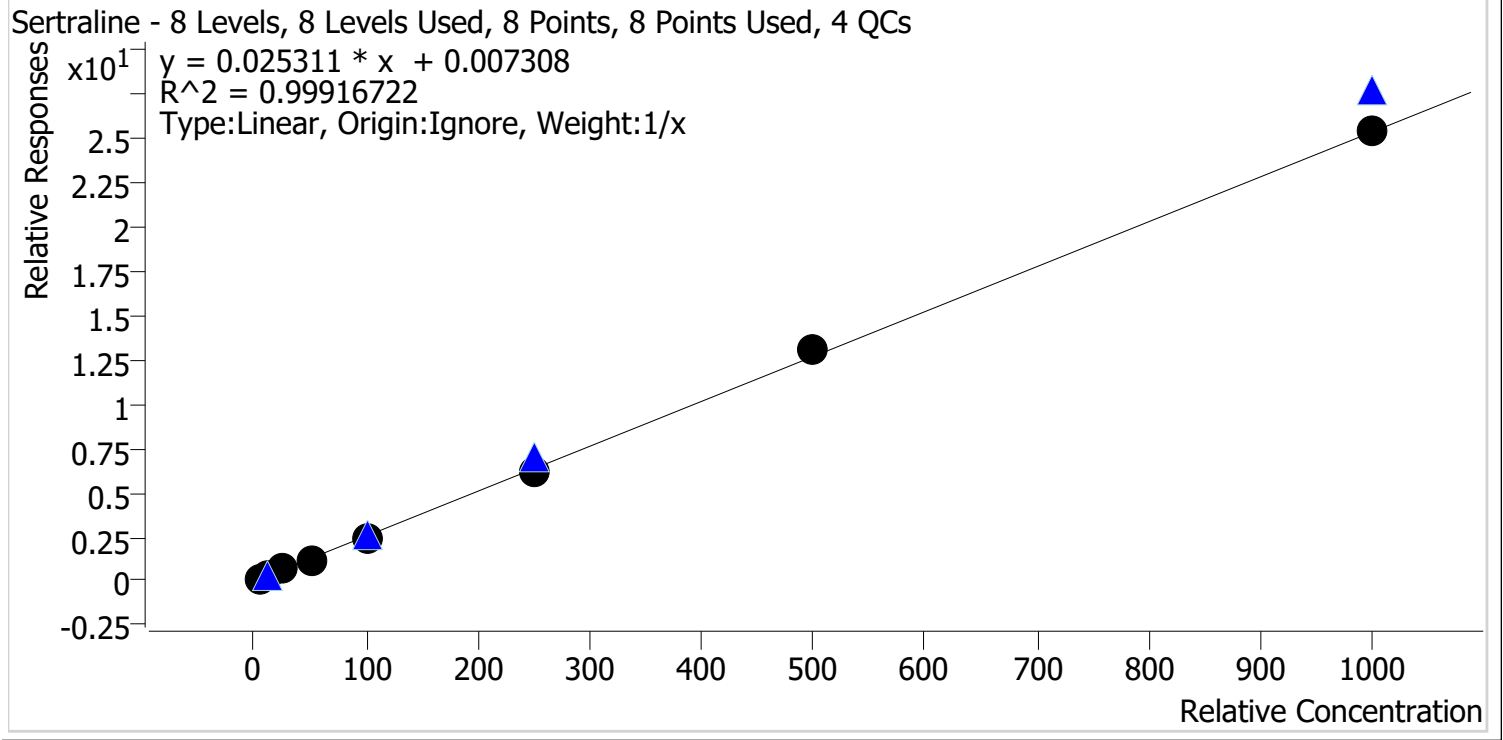
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.6	106.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.4
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	496.2	99.2
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\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

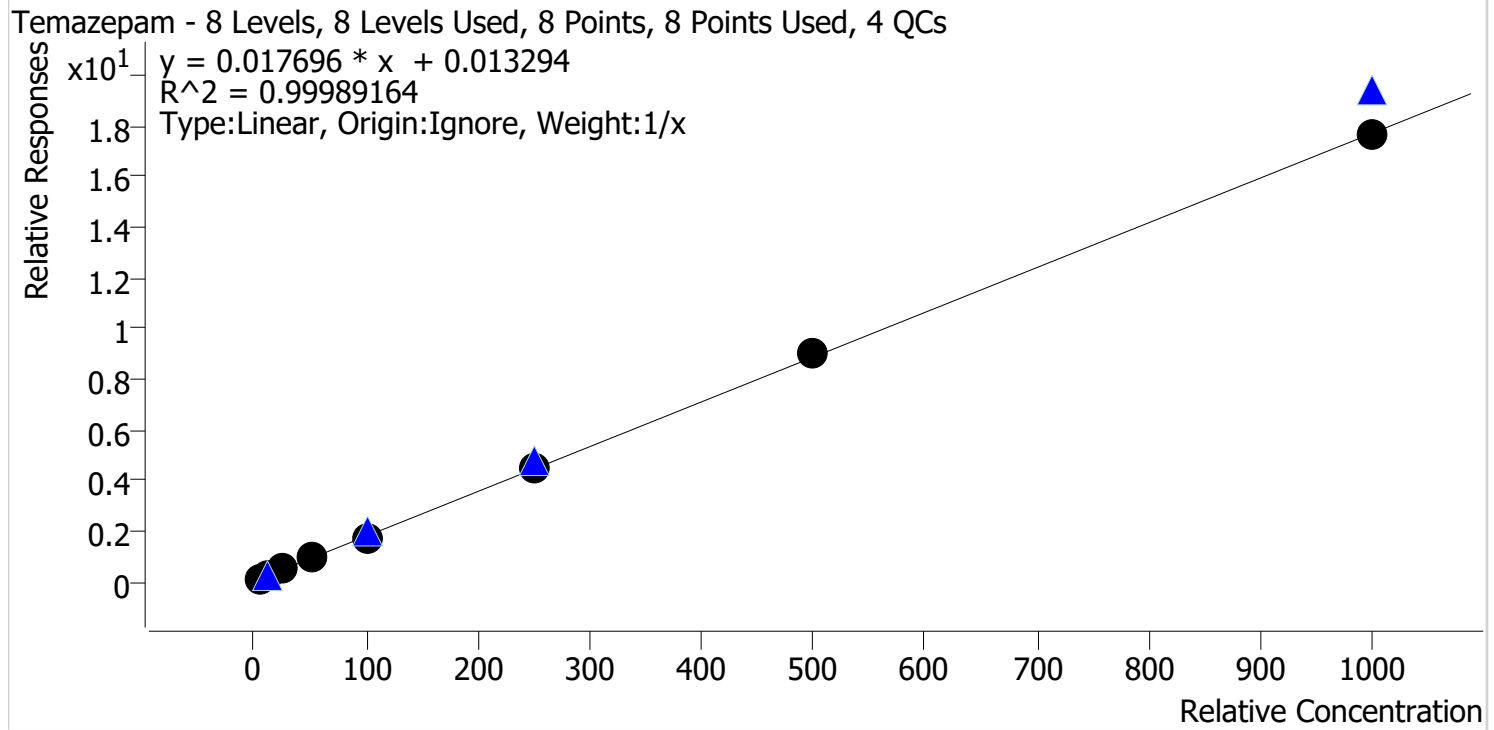


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	10.8	108.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	48.4	96.7
p1 Cal 5-100ng	5	✓	100.0	94.8	94.8
p1 Cal 6-250ng	6	✓	250.0	239.2	95.7
p1 Cal 7-500ng	7	✓	500.0	517.6	103.5
p1 Cal 8-1000ng	8	✓	1000.0	999.2	99.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

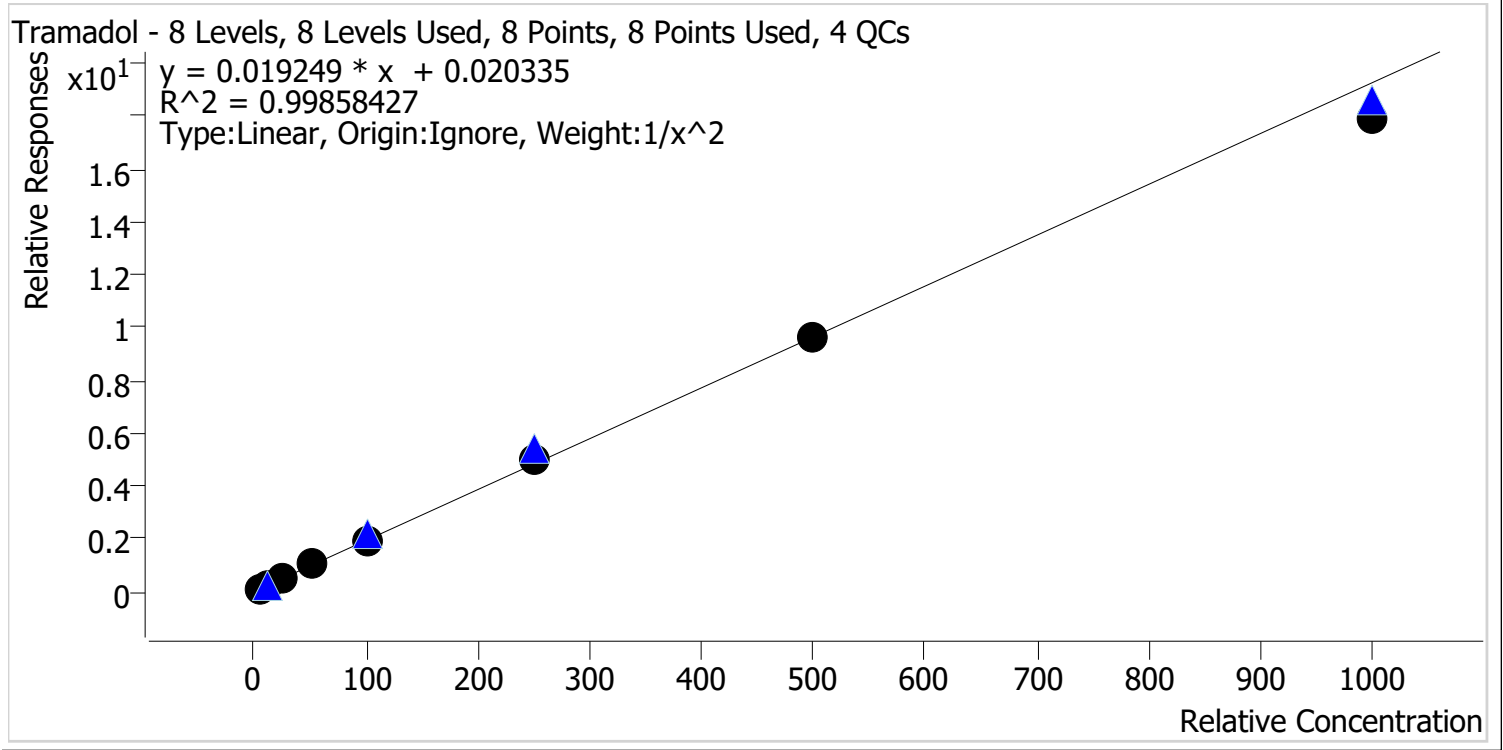


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	508.2	101.6
p1 Cal 8-1000ng	8	✓	1000.0	994.1	99.4



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



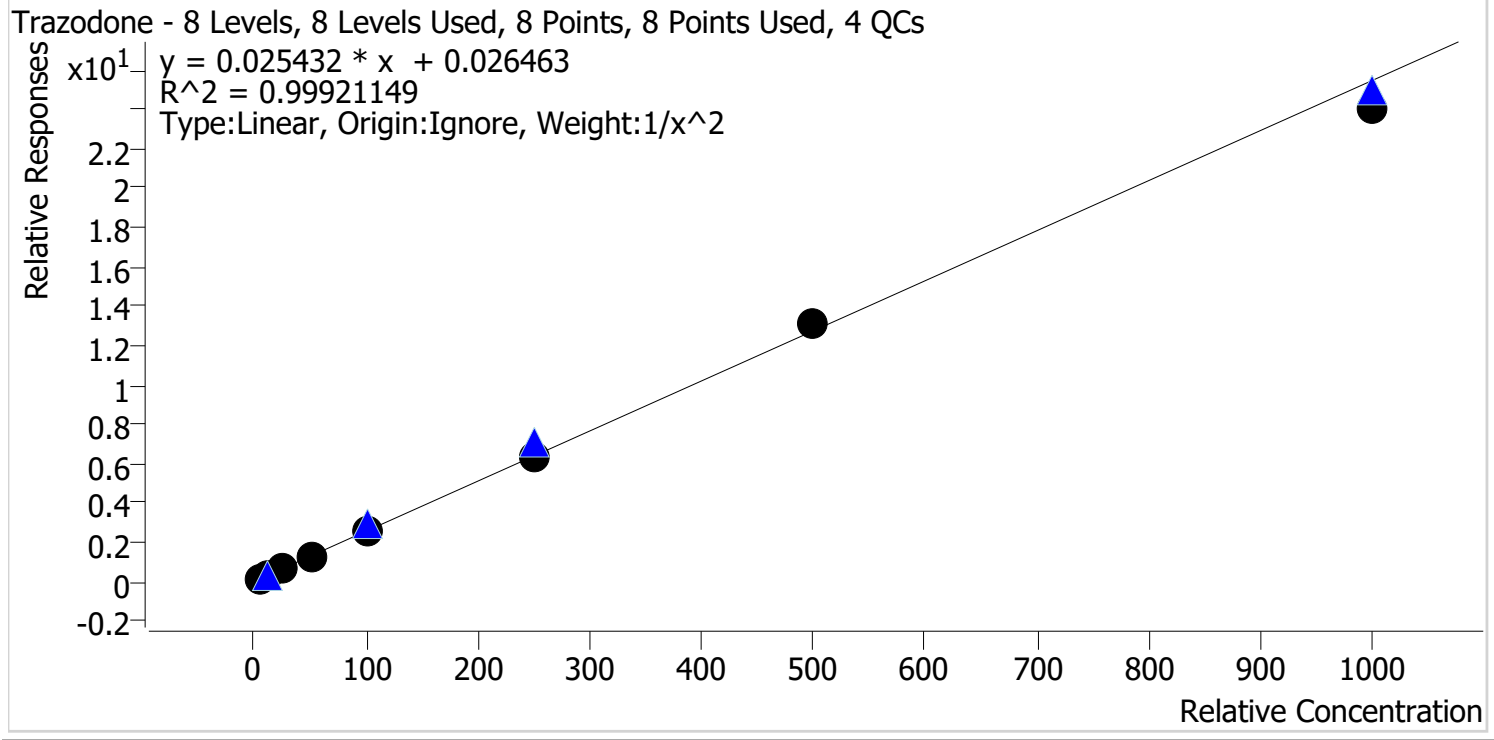
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	259.3	103.7
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	930.1	93.0

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



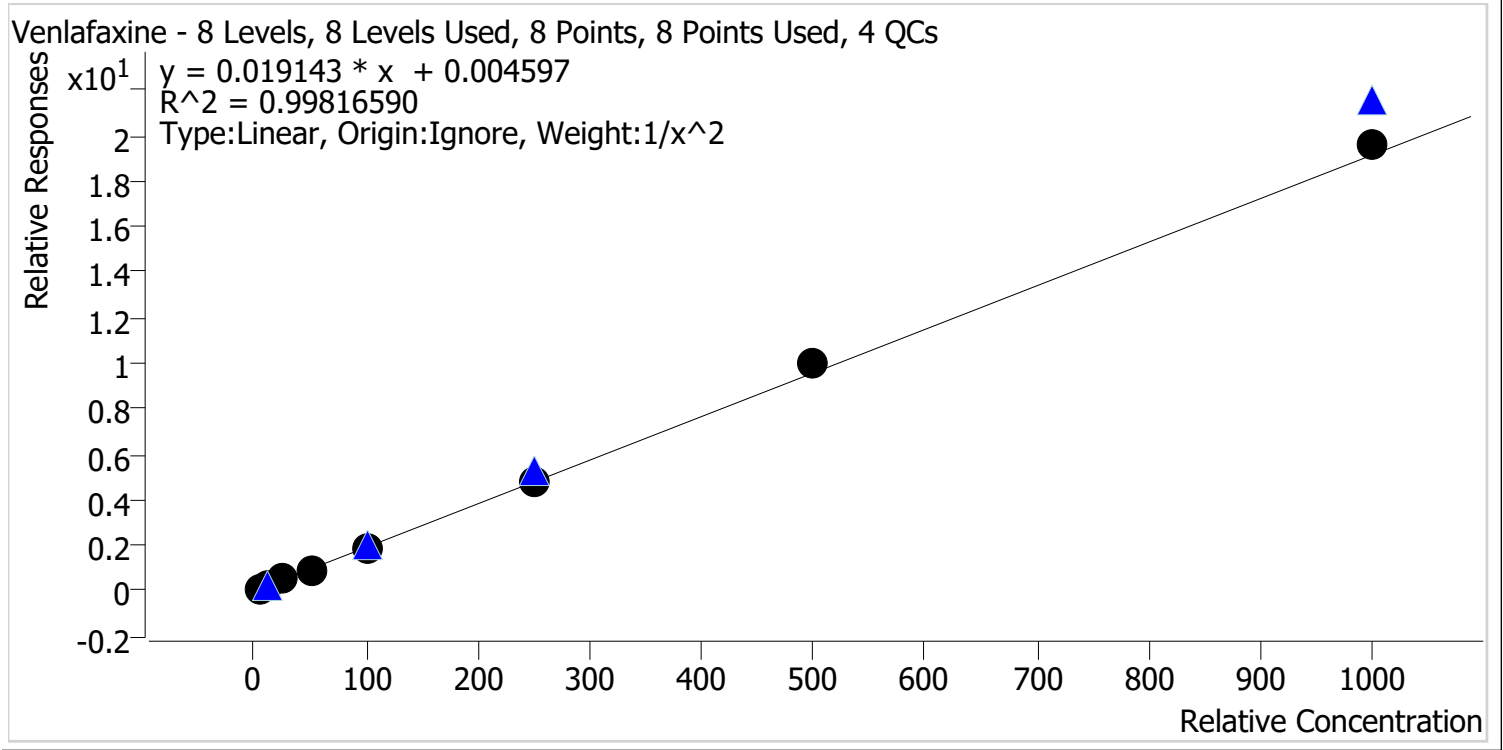
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	511.1	102.2
p1 Cal 8-1000ng	8	✓	1000.0	946.3	94.6





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



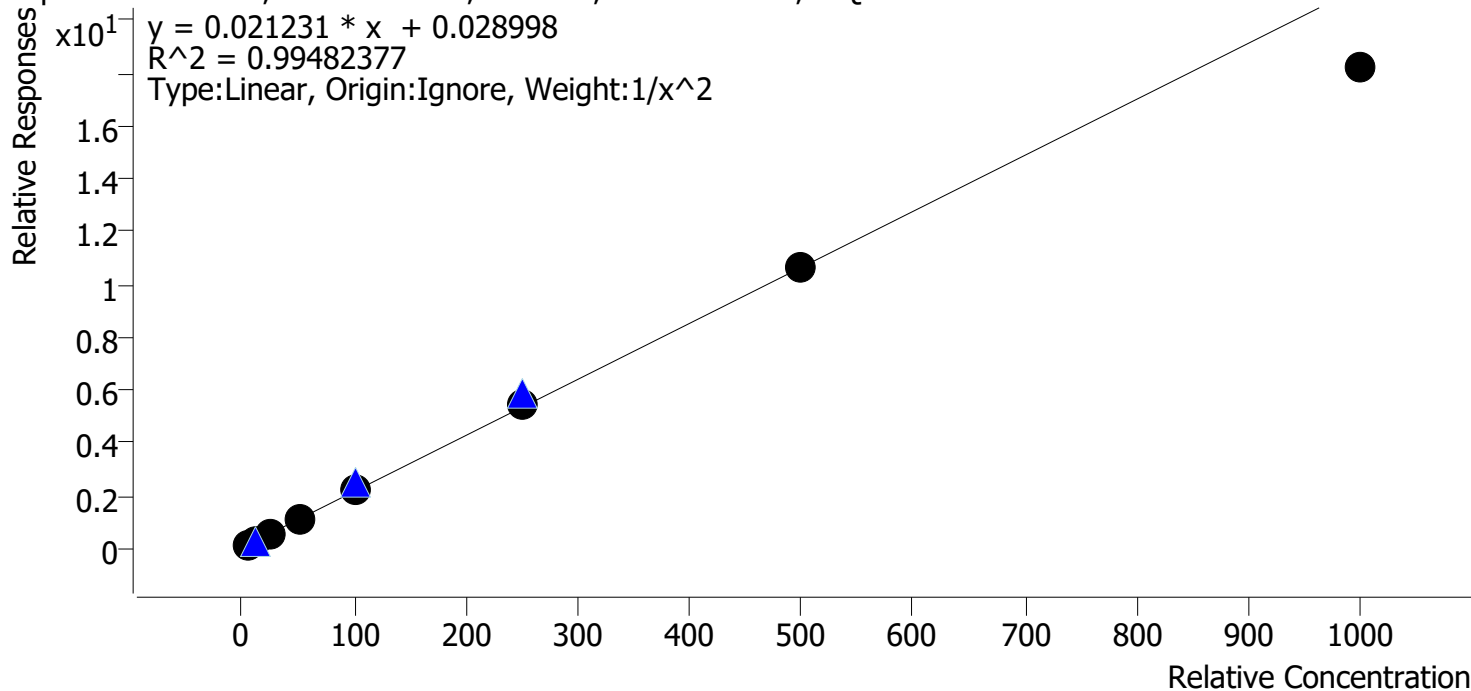
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	48.1	96.3
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	248.9	99.5
p1 Cal 7-500ng	7	✓	500.0	522.3	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1026.8	102.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 12/13/2021 11:53 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	258.0	103.2
p1 Cal 7-500ng	7	✓	500.0	498.3	99.7
p1 Cal 8-1000ng	8	✓	1000.0	857.5	85.8

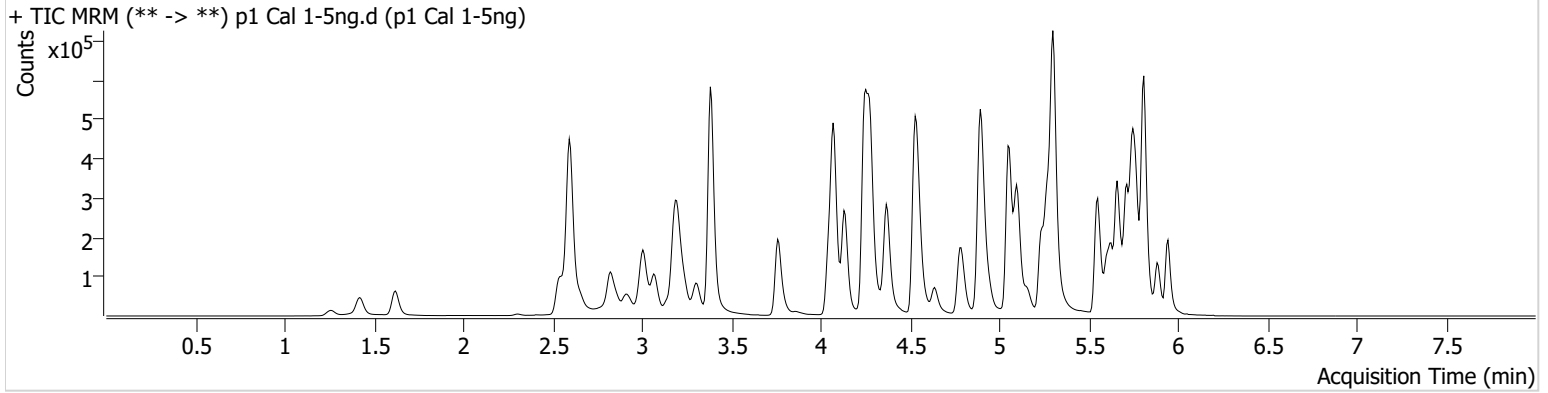


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

**Instrument** Falco (069901) **Data File** p1 Cal 1-5ng.d  
**Type** Cal **Sample** p1 Cal 1-5ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-A1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 12/9/2021 4:16:30 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	1400	234.96	61.0	901.50	62743	0.4930 ng/ml
7-aminoclonazepam	4.265	19603	88.75	79.7	15316.92	214800	4.7935 ng/ml
a-hydroxyalprazolam	5.692	15640	413.43	78.5	1363.55	356084	4.0888 ng/ml
alpha-PHP	4.944	20364	210.90	265.7	3621.25	596248	4.5091 ng/ml
alpha-PVP	4.376	78351	2622.48	50.0	174.69	596248	5.0258 ng/ml
Alprazolam	5.768	50722	547.09	117.5	240.54	356084	5.0435 ng/ml
Amphetamine	3.076	119324	307.55	44.1	355.30	211870	4.6628 ng/ml
Benzoylecgonine	3.892	2112	110.06	9.4	189.94	11020	5.0504 ng/ml
Buprenorphine	5.840	1503	398.21	19.2	748.71	88716	0.5019 ng/ml
Bupropion	4.801	70483	3958.62	67.9	147.21	402002	4.7623 ng/ml
Carisoprodol	5.724	48805	401045.75	49.3	291.21	358779	5.4207 ng/ml
Citalopram	5.239	55351	1754.22	37.0	171.25	423084	5.0184 ng/ml
Clonazepam	5.605	68412	292.01	33.6	3223.30	146164	4.8776 ng/ml
Clonazepam	5.548	39237	595.13	32.5	30675.85	146164	4.7808 ng/ml
Cocaine	4.277	61062	311.23	54.6	6205.75	821655	4.9896 ng/ml
Codeine	2.593	8112	264.15	113.8	29.70	77624	4.7916 ng/ml
Cyclobenzaprine	5.628	29286	196.33	8.4	120.37	251060	5.6530 ng/ml
Dextromethorphan	5.282	30849	115.50	80.1	323.95	270615	4.9940 ng/ml
Dextrophan	4.139	20484	1243.57	231.0	139685.47	518218	5.0763 ng/ml
Diazepam	5.946	35932	804.36	86.1	935.50	314969	4.9690 ng/ml
Dihydrocodeine	2.572	23599	161.23	54.7	1375.34	235279	4.8764 ng/ml
Diphenhydramine	5.303	146864	189.86	28.8	391.70	1365325	5.0773 ng/ml
Doxylamine	4.549	169351	21675.29	101.5	2216.19	1226985	4.7963 ng/ml
EDDP	5.268	39227	939.02	42.8	12022.56	403747	5.0570 ng/ml
Etizolam	5.813	20032	36909.09	29.1	6712.06	146164	5.6268 ng/ml
Fentanyl	5.109	3370	190.62	71.3	7770.33	365404	0.5713 ng/ml
Flualprazolam	5.698	18688	754.89	89.5	1317.80	356084	4.9278 ng/ml
Fluoxetine	5.714	22341	321.14	8.4	2323.65	139612	5.1630 ng/ml
Hydrocodone	3.039	33491	128.88	29.9	285.86	323681	4.7428 ng/ml
Hydromorphone	1.628	25677	1468.86	72.4	56637.48	151078	5.0112 ng/ml
Ketamine	4.065	60713	267.50	38.0	261.86	437836	5.0119 ng/ml
Lamotrigine	4.301	5005	61.00	82.3	435.77	437836	5.1383 ng/ml
Levetiracetam	2.656	27994	1238.47	144.6	212.15	1127436	5.0361 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	62289	806.75	45.5	62.23	146164	5.1128 ng/ml
MDA	3.223	78550	1423.81	32.3	290.39	397091	4.7805 ng/ml
MDMA	3.310	54555	7443.63	85.5	451.44	113371	4.9553 ng/ml
Meprobamate	4.911	25683	182.10	24.7	137.68	234803	4.8330 ng/ml
Methadone	5.659	72684	3861.71	54.1	213.15	544971	5.3890 ng/ml
Methamphetamine	3.244	71068	533.73	39.9	163.18	547341	4.7516 ng/ml
Metoprolol	4.340	16234	157.78	87.6	369.18	1073921	4.8898 ng/ml
Mirtazapine	4.637	106488	1027.20	46.2	2371.97	596248	4.9782 ng/ml
Mitragynine	5.243	14627	488.30	34.0	2960.58	544971	4.8769 ng/ml
Morphine	1.267	4346	30.44	23.3	141.88	16363	4.9859 ng/ml
Norbuprenorphine	5.006	197	629.99	110.9	297.08	10911	0.5162 ng/ml
Nordiazepam	5.893	32922	503.46	61.3	291.83	193603	5.0501 ng/ml
Norfentanyl	4.099	12688	839.89	35.0	52.17	1013201	0.5155 ng/ml
Norhydrocodone	3.086	3240	36.81	33.3	30.01	71206	5.1504 ng/ml
Noroxycodone	2.936	27793	129.43	49.1	280.09	136246	4.8778 ng/ml
O-desmethyl-tramadol	3.389	128887	8003.28	5.7	5549.68	1318877	5.0481 ng/ml
Oxazepam	5.749	69415	237.14	77.7	102.90	560650	4.8781 ng/ml
Oxycodone	2.854	59822	1146.32	29.2	252.14	350450	4.9109 ng/ml
Oxymorphone	1.425	24025	584.33	44.8	198.46	124984	4.8831 ng/ml
Phentermine	3.797	22621	1032.39	6.8	62.07	522147	4.7570 ng/ml
Promethazine	5.552	48170	608.78	32.0	510.33	383300	5.0730 ng/ml
Pseudoephedrine	2.610	123792	418.58	16.4	3046.45	1127436	5.0809 ng/ml
Quetiapine	5.562	70287	49213.70	56.4	67881.10	173411	4.7881 ng/ml
Sertraline	5.782	7796	77.95	112.2	156.21	57346	5.0820 ng/ml
Temazepam	5.816	104349	256.80	28.7	43.18	1007591	5.1010 ng/ml
Tramadol	4.259	123937	11994.21	3.6	103.23	1073921	4.9390 ng/ml
Trazodone	5.156	62081	21594.32	77.3	63658.43	405937	4.9729 ng/ml
Venlafaxine	5.057	99218	414.67	37.8	2554.63	968592	5.1109 ng/ml
Zolpidem	4.914	144310	1128.29	30.8	972.90	1085500	4.8958 ng/ml

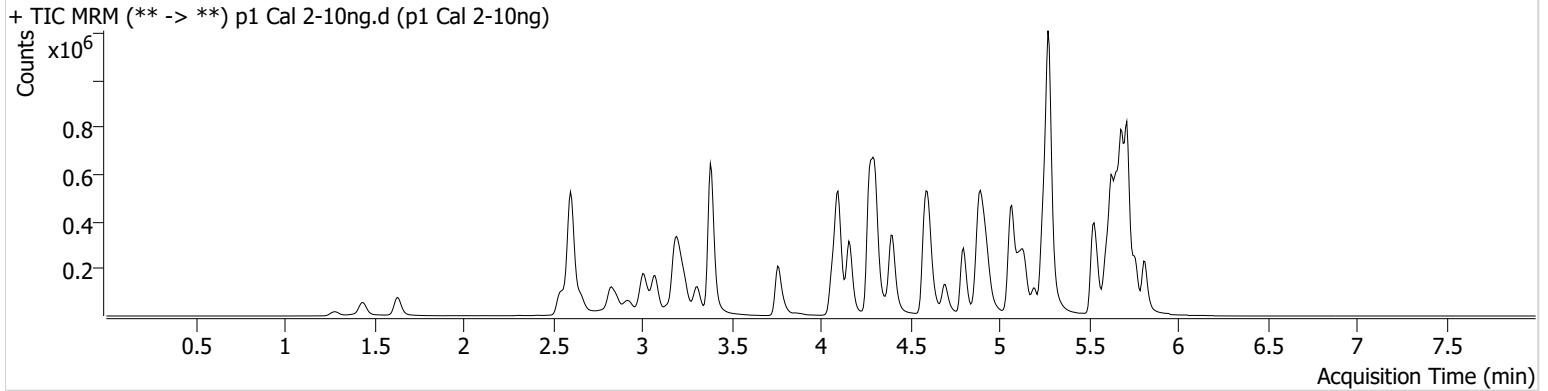
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 2-10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2-10ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-B1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/9/2021 4:27:16 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	2851	136.91	62.1	497.71	64973	1.0498 ng/ml
7-aminoclonazepam	4.292	39150	3739.62	79.9	90103.24	226091	10.4327 ng/ml
a-hydroxyalprazolam	5.651	27166	174.07	76.5	314.21	349198	9.3432 ng/ml
alpha-PHP	4.937	48986	1462.59	268.8	6819.31	645334	11.7237 ng/ml
alpha-PVP	4.410	159895	542.37	50.2	197.83	645334	9.9627 ng/ml
Alprazolam	5.694	100238	1880.08	115.5	1396.15	349198	10.2429 ng/ml
Amphetamine	3.076	245510	322.19	43.4	665.31	230141	10.7804 ng/ml
Benzoylecgonine	3.892	4148	184.42	6.7	54.72	12006	9.7403 ng/ml
Buprenorphine	5.765	3836	762.55	14.8	1292.59	110108	1.0597 ng/ml
Bupropion	4.809	151743	653.80	67.8	1385.43	466676	9.8468 ng/ml
Carisoprodol	5.663	86660	8530.18	49.3	309.62	348803	9.9545 ng/ml
Citalopram	5.239	118355	10148.40	37.8	61798.88	477141	10.0747 ng/ml
Clonazepam	5.598	126551	2367.08	34.6	358.01	148375	10.1826 ng/ml
Clonazepam	5.528	73976	129056.54	30.8	48444.34	148375	10.5535 ng/ml
Cocaine	4.304	120075	189.87	54.1	639.12	872472	10.1203 ng/ml
Codeine	2.600	15976	1143.91	111.9	4111.71	79564	10.4666 ng/ml
Cyclobenzaprine	5.615	78364	6696.13	7.6	248.16	331779	10.9429 ng/ml
Dextromethorphan	5.268	66802	515517.89	78.4	83358.34	318834	10.0828 ng/ml
Dextrophan	4.165	41636	107570.13	223.6	4311.08	566267	9.8199 ng/ml
Diazepam	5.817	68111	1075.69	89.9	543.25	323982	10.0351 ng/ml
Dihydrocodeine	2.572	44848	12657.93	56.9	386.75	243942	10.2751 ng/ml
Diphenhydramine	5.282	312311	1409.23	29.7	307.77	1568128	9.8649 ng/ml
Doxylamine	4.603	339957	6093.85	101.4	2612.49	1204361	10.8736 ng/ml
EDDP	5.261	93223	8009.80	44.3	104610.25	521587	9.9063 ng/ml
Etizolam	5.712	40946	4326.47	27.7	26216.06	148375	11.2779 ng/ml
Fentanyl	5.130	7104	1274.04	79.6	43311.15	468360	0.9519 ng/ml
Flualprazolam	5.658	34221	2858.37	94.7	5371.85	349198	10.1127 ng/ml
Fluoxetine	5.653	65261	5973.65	8.0	777.33	226831	9.6706 ng/ml
Hydrocodone	3.039	66182	256.79	29.2	∞	338911	10.6803 ng/ml
Hydromorphone	1.641	50976	242518.63	73.1	4828.05	161124	9.9964 ng/ml
Ketamine	4.086	123660	17586.58	38.9	1747.15	506742	9.7497 ng/ml
Lamotrigine	4.328	9650	700.90	87.5	472.02	506742	9.2853 ng/ml
Levetiracetam	2.663	53295	972.70	141.8	2189.04	1175350	10.0903 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.679	98889	4300.90	47.2	330.61	148375	9.1197 ng/ml
MDA	3.223	157720	3343.15	31.2	335.44	419196	10.5562 ng/ml
MDMA	3.310	109286	46506.05	85.6	2608.32	118877	10.1892 ng/ml
Meprobamate	4.904	53235	1981.41	25.2	750.26	277322	10.1483 ng/ml
Methadone	5.632	179999	5945.27	51.2	9452.32	680384	10.5731 ng/ml
Methamphetamine	3.244	150663	371.00	39.1	432.72	635327	10.4988 ng/ml
Metoprolol	4.367	30615	757.90	87.7	382.05	1128694	10.0959 ng/ml
Mirtazapine	4.698	219485	1116.54	45.6	242394.68	645334	10.1409 ng/ml
Mitragynine	5.243	34827	143.59	32.9	965.61	680384	10.1586 ng/ml
Morphine	1.287	8352	376.85	24.7	26.83	16964	9.9554 ng/ml
Norbuprenorphine	4.999	393	968.02	106.6	2461.05	14734	0.9655 ng/ml
Nordiazepam	5.771	64505	852.28	58.7	1112.70	215025	9.5762 ng/ml
Norfentanyl	4.126	26091	2096.85	33.5	228.96	1112930	0.9747 ng/ml
Norhydrocodone	3.086	6350	270.92	34.7	64.67	73294	9.7371 ng/ml
Noroxycodone	2.936	55196	16.57	49.8	434.50	141874	10.3840 ng/ml
O-desmethyl-tramadol	3.389	250309	1279.55	5.9	1466.42	1362072	9.9598 ng/ml
Oxazepam	5.681	115849	225.42	79.9	480.31	499784	10.2182 ng/ml
Oxycodone	2.854	117806	1602.54	28.6	873.82	365695	10.2563 ng/ml
Oxymorphone	1.438	47629	148.73	43.6	305.34	130689	10.4727 ng/ml
Phentermine	3.797	46325	557.71	6.6	219.80	562135	10.5631 ng/ml
Promethazine	5.532	118607	355.73	31.7	114.21	511445	9.8166 ng/ml
Pseudoephedrine	2.610	247074	581.17	16.5	604.70	1175350	9.9977 ng/ml
Quetiapine	5.541	141370	23276.39	58.3	6606.46	179141	10.6471 ng/ml
Sertraline	5.687	23721	371.62	95.6	776.86	84314	10.8264 ng/ml
Temazepam	5.722	191133	490.05	29.2	208.97	1001326	10.0352 ng/ml
Tramadol	4.286	244344	380.91	3.6	120.70	1128694	10.1899 ng/ml
Trazodone	5.196	138600	99.31	76.5	819701.54	489697	10.0886 ng/ml
Venlafaxine	5.071	195729	561.19	38.5	1046.15	1047680	9.5191 ng/ml
Zolpidem	4.921	324624	17860.07	31.0	475.99	1322902	10.1920 ng/ml

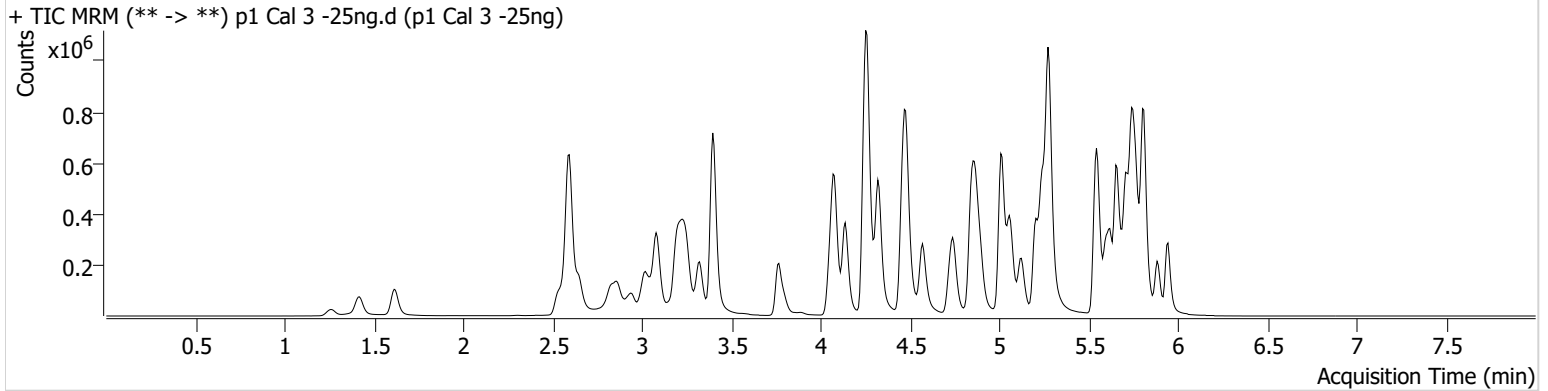
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 3 -25ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 3 -25ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/9/2021 4:37:53 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.165	5803	193.66	69.7	4630.05	60570	2.3898 ng/ml
7-aminoclonazepam	4.258	80736	122.88	81.2	5397.00	198228	26.5533 ng/ml
a-hydroxyalprazolam	5.685	62365	916.88	78.3	469.16	319983	27.5084 ng/ml
alpha-PHP	4.896	96753	2697.85	264.5	631.99	604414	26.2678 ng/ml
alpha-PVP	4.329	366145	945.83	49.3	1517.98	604414	25.1520 ng/ml
Alprazolam	5.768	206523	701.22	119.7	2954.03	319983	23.1280 ng/ml
Amphetamine	3.083	542151	12892.65	43.8	458.69	223349	27.3091 ng/ml
Benzoylcegonine	3.892	8500	137.48	6.7	170.54	9927	25.3105 ng/ml
Buprenorphine	5.833	7217	7707.26	15.4	471.45	98696	2.2532 ng/ml
Bupropion	4.747	330113	51554.50	67.8	5158.46	424574	25.1977 ng/ml
Carisoprodol	5.717	194507	10391.55	49.3	1257.30	320936	24.3767 ng/ml
Citalopram	5.205	260598	11090.70	37.4	143860.42	452520	24.2157 ng/ml
Clonazepam	5.598	277411	19527.51	34.5	2150.15	138562	26.0232 ng/ml
Clonazepam	5.542	156608	1835.51	31.3	96203.02	138562	26.3984 ng/ml
Cocaine	4.264	260862	∞	54.8	8914.44	834257	24.3073 ng/ml
Codeine	2.587	33975	435.72	114.2	948.19	71819	26.5119 ng/ml
Cyclobenzaprine	5.628	163842	51086.02	8.0	16692.12	327064	22.6588 ng/ml
Dextromethorphan	5.255	143192	237.22	80.0	148.44	296813	24.6216 ng/ml
Dextrophan	4.139	93407	315.33	220.5	10300.95	518972	24.6729 ng/ml
Diazepam	5.946	148849	632.24	89.8	251.37	299164	25.1742 ng/ml
Dihydrocodeine	2.565	94932	655.41	58.1	3584.11	225988	25.5410 ng/ml
Diphenhydramine	5.282	681424	318.59	29.4	301.96	1443344	24.1319 ng/ml
Doxylamine	4.474	738951	11948.45	100.2	43412.80	1204160	24.8354 ng/ml
EDDP	5.241	214896	2204.53	44.0	1289.62	505777	24.5396 ng/ml
Etizolam	5.806	78027	162509.68	29.8	102031.19	138562	22.9598 ng/ml
Fentanyl	5.068	16335	391.35	75.8	51640.56	427313	2.4280 ng/ml
Flualprazolam	5.698	74716	1451.63	92.0	18056.13	319983	25.5477 ng/ml
Fluoxetine	5.714	142388	12726.93	8.1	2324.83	210316	23.4142 ng/ml
Hydrocodone	3.045	138437	157.19	30.3	248.74	319943	26.0342 ng/ml
Hydromorphone	1.621	110401	591243.54	72.4	3782.64	146319	24.9141 ng/ml
Ketamine	4.065	251214	362.77	40.4	714.04	423132	25.4730 ng/ml
Lamotrigine	4.273	20643	891.73	87.4	1964.96	423132	25.4898 ng/ml
Levetiracetam	2.649	112238	203.68	144.1	3289.16	1127844	23.4377 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	245244	2201.47	46.4	485.12	138562	27.5173 ng/ml
MDA	3.230	335994	4592.65	31.3	1569.54	391327	26.1700 ng/ml
MDMA	3.323	234680	1331.25	85.5	2259.06	109562	24.7954 ng/ml
Meprobamate	4.863	97554	4643.77	26.1	271.81	208605	27.8937 ng/ml
Methadone	5.659	368062	1397.85	53.0	475.88	607689	24.0535 ng/ml
Methamphetamine	3.258	350995	1529.29	40.1	1669.40	646140	26.8927 ng/ml
Metoprolol	4.299	67595	4069.05	86.3	2577.08	1066959	25.8026 ng/ml
Mirtazapine	4.570	490458	1969.37	45.5	2392.58	604414	25.2072 ng/ml
Mitragynine	5.210	77614	123876.86	33.2	35419.89	607689	26.7608 ng/ml
Morphine	1.267	18796	494.74	23.4	∞	15731	25.3526 ng/ml
Norbuprenorphine	4.959	570	874.57	107.1	61.37	10892	2.2995 ng/ml
Nordiazepam	5.893	137700	3739.27	60.2	997.91	180812	25.6543 ng/ml
Norfentanyl	4.099	54805	3461.65	32.8	209.61	976285	2.3494 ng/ml
Norhydrocodone	3.100	13567	147.94	35.6	129.09	64431	23.5525 ng/ml
Noroxycodone	2.943	119703	731.85	47.1	282.83	134849	25.2202 ng/ml
O-desmethyl-tramadol	3.403	535945	4493.09	6.1	175.06	1225794	24.4274 ng/ml
Oxazepam	5.749	282859	2014.76	78.5	251.79	520118	25.6489 ng/ml
Oxycodone	2.861	270164	651.41	28.2	349.93	362882	25.1638 ng/ml
Oxymorphone	1.418	98654	∞	44.2	126.02	122557	24.7696 ng/ml
Phentermine	3.803	102566	239.37	6.2	352.60	533842	26.8616 ng/ml
Promethazine	5.545	283432	910.27	33.2	52397.52	511323	24.2125 ng/ml
Pseudoephedrine	2.603	550915	609.10	16.6	3389.43	1127844	23.6227 ng/ml
Quetiapine	5.555	318586	13661.73	58.1	309.08	178476	25.8486 ng/ml
Sertraline	5.782	56993	4066.10	96.5	1310.11	89549	24.8559 ng/ml
Temazepam	5.810	420400	8524.90	28.9	682.10	931643	24.7484 ng/ml
Tramadol	4.252	534760	2200.74	3.6	116.88	1066959	24.9810 ng/ml
Trazodone	5.122	302572	20564.78	76.6	483.86	458627	24.9008 ng/ml
Venlafaxine	5.016	485509	2159.75	37.1	831.55	970823	25.8841 ng/ml
Zolpidem	4.867	595400	1405.05	31.9	1888.81	1046288	25.4371 ng/ml



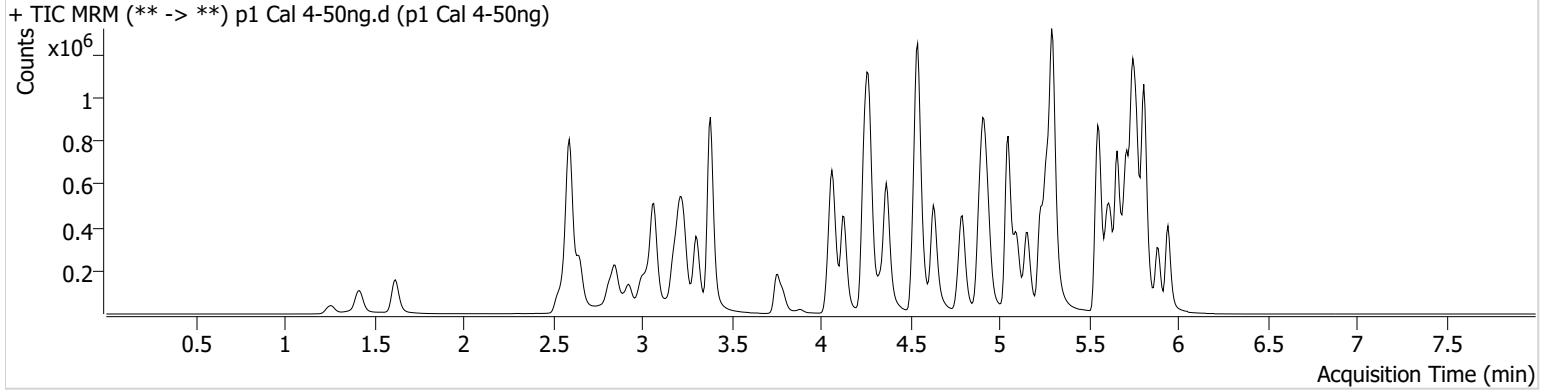


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

**Instrument** Falco (069901) **Data File** p1 Cal 4-50ng.d  
**Type** Cal **Sample** p1 Cal 4-50ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-D1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 12/9/2021 4:48:30 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	11402	738.12	70.8	403.56	58976	4.9072 ng/ml
7-aminoclonazepam	4.265	156324	7580.77	80.1	31593.76	194618	53.8157 ng/ml
a-hydroxyalprazolam	5.692	116372	1747.59	77.1	514.22	305188	56.4239 ng/ml
alpha-PHP	4.944	169430	2876.09	267.6	854.61	560391	50.8499 ng/ml
alpha-PVP	4.376	646487	20077.13	49.8	372.43	560391	48.3954 ng/ml
Alprazolam	5.768	399762	629.67	117.8	998.27	305188	47.0191 ng/ml
Amphetamine	3.069	940470	1378.03	43.0	1067.94	198905	55.2603 ng/ml
Benzoylecgonine	3.886	16656	6925.19	7.9	528.83	10198	48.9934 ng/ml
Buprenorphine	5.840	11872	6948.79	17.7	2939.72	82348	4.4676 ng/ml
Bupropion	4.795	582356	36996.53	68.0	3340.54	377893	51.1089 ng/ml
Carisoprodol	5.717	370249	359859.69	48.6	265.43	298246	50.0003 ng/ml
Citalopram	5.232	448325	10092.02	37.2	1941.43	386507	49.4092 ng/ml
Clonazepam	5.605	521435	13292.65	33.5	1043.11	132126	52.8260 ng/ml
Clonazepam	5.548	287336	55922.70	32.9	77424.08	132126	52.5986 ng/ml
Cocaine	4.271	490824	1062.33	54.7	1453.50	766544	50.8577 ng/ml
Codeine	2.587	65930	4708.92	107.7	3813.66	71579	52.9146 ng/ml
Cyclobenzaprine	5.628	268395	20236.13	8.1	∞	253997	47.2509 ng/ml
Dextromethorphan	5.275	245576	8248.01	79.8	322.50	255059	50.2130 ng/ml
Dextrophan	4.132	170230	398134.76	221.2	931.95	482860	48.7491 ng/ml
Diazepam	5.946	283818	5753.62	88.2	3677.54	286059	51.2356 ng/ml
Dihydrocodeine	2.565	186818	19318.31	56.8	880.98	219941	53.2851 ng/ml
Diphenhydramine	5.303	1179473	68824.73	29.2	282.84	1240557	49.1504 ng/ml
Doxylamine	4.543	1391111	67784.50	100.2	89644.71	1159480	49.5284 ng/ml
EDDP	5.268	370177	428.99	43.9	8740.11	443555	48.8947 ng/ml
Etizolam	5.806	151566	4318.89	29.4	196583.52	132126	46.7184 ng/ml
Fentanyl	5.103	27510	1964.75	74.4	54990.95	364331	4.8145 ng/ml
Flualprazolam	5.698	141449	5144.26	93.0	46066.54	305188	51.7453 ng/ml
Fluoxetine	5.714	210957	11166.08	8.3	3187.60	152029	48.4995 ng/ml
Hydrocodone	3.032	260576	656.72	30.7	1346.67	305193	53.2682 ng/ml
Hydromorphone	1.621	213768	8547.61	72.6	6333.95	144473	49.6022 ng/ml
Ketamine	4.059	471074	754.82	39.7	50047.68	399051	51.8585 ng/ml
Lamotrigine	4.294	38640	321.10	86.8	1590.44	399051	51.6644 ng/ml
Levetiracetam	2.649	214505	4248.62	145.7	328.55	1025076	50.4765 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	436390	2656.78	45.9	444.66	132126	53.0753 ng/ml
MDA	3.216	600798	1864.14	30.9	1679.09	351638	53.6832 ng/ml
MDMA	3.303	436623	7743.39	86.6	2886.76	101780	50.4549 ng/ml
Meprobamate	4.904	179438	29674.39	25.7	212.97	210032	52.7833 ng/ml
Methadone	5.659	622763	11785.10	52.9	697.73	515237	47.8835 ng/ml
Methamphetamine	3.238	545827	1260.52	39.1	736.21	519750	54.0459 ng/ml
Metoprolol	4.333	128733	3730.60	85.2	3990.17	996618	54.3379 ng/ml
Mirtazapine	4.631	864300	1436.26	45.7	31768.09	560391	48.5686 ng/ml
Mitragynine	5.237	123300	208026.19	34.0	131331.18	515237	50.9676 ng/ml
Morphine	1.261	36126	10503.05	22.9	768.24	15289	50.9499 ng/ml
Norbuprenorphine	4.999	1133	2777.51	87.6	898.65	10583	5.1409 ng/ml
Nordiazepam	5.893	261608	7907.91	59.9	343.25	172184	52.0499 ng/ml
Norfentanyl	4.093	105436	480.20	32.9	103.21	941794	4.6963 ng/ml
Norhydrocodone	3.080	23672	505.50	37.2	59.81	57496	45.9799 ng/ml
Noroxycodone	2.930	217965	759.55	49.1	781.54	123506	51.3183 ng/ml
O-desmethyl-tramadol	3.383	1036005	16962.04	6.1	636.29	1205921	48.5089 ng/ml
Oxazepam	5.749	519256	467.13	76.1	408.21	470581	53.3219 ng/ml
Oxycodone	2.848	493112	1101.09	28.8	203.26	331150	51.4452 ng/ml
Oxymorphone	1.418	188726	∞	44.3	432.69	119878	49.7388 ng/ml
Phentermine	3.790	177282	354.92	6.3	172.00	479756	53.2140 ng/ml
Promethazine	5.545	456634	1579.30	31.8	19732.58	395639	50.9970 ng/ml
Pseudoephedrine	2.603	1016754	23204.05	16.4	21736.71	1025076	48.2728 ng/ml
Quetiapine	5.562	553852	285.86	59.7	423.41	160717	51.2041 ng/ml
Sertraline	5.782	81052	758.75	99.5	199.05	65834	48.3511 ng/ml
Temazepam	5.816	779138	11321.48	28.7	1905.18	877422	49.4282 ng/ml
Tramadol	4.252	1004365	1498.91	3.6	641.31	996618	51.2975 ng/ml
Trazodone	5.156	524825	408643.61	77.1	12174.69	402171	50.2725 ng/ml
Venlafaxine	5.050	828292	30043.82	37.8	425.92	894597	48.1262 ng/ml
Zolpidem	4.914	1158272	21343.14	30.7	1310.50	1004582	52.9403 ng/ml

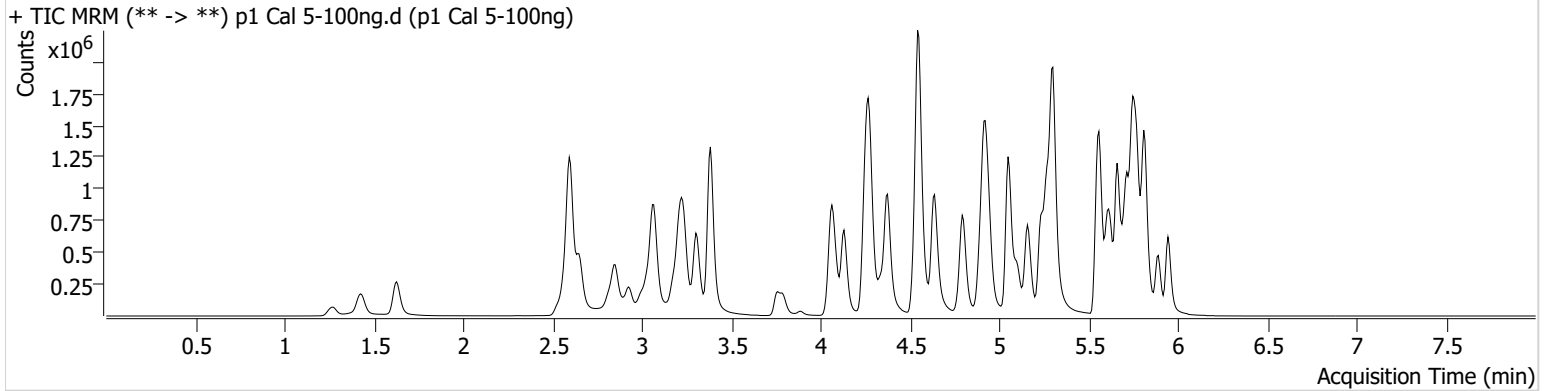
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-E1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/9/2021 4:59:06 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	22505	1426.13	70.4	29186.98	57903	9.9489 ng/ml
7-aminoclonazepam	4.265	281411	7519.07	81.5	7740.59	185365	103.0400 ng/ml
a-hydroxyalprazolam	5.692	199933	1760.22	74.5	1918.47	279854	108.0948 ng/ml
alpha-PPH	4.944	329423	2795.10	262.8	114237.36	548012	102.4771 ng/ml
alpha-PVP	4.376	1260234	837.71	50.5	388.65	548012	97.0166 ng/ml
Alprazolam	5.768	760280	7298.02	114.6	∞	279854	97.6012 ng/ml
Amphetamine	3.069	1711249	1241.81	43.1	5631.17	193302	105.3654 ng/ml
Benzoylecgonine	3.886	34802	3611.36	8.0	96.32	9983	105.4716 ng/ml
Buprenorphine	5.840	23689	35831.53	15.4	7283.94	80950	9.0952 ng/ml
Bupropion	4.795	1118121	47014.69	67.8	1841.51	368957	101.6532 ng/ml
Carisoprodol	5.724	629684	46195.76	50.1	828.50	263014	96.4879 ng/ml
Citalopram	5.232	877385	∞	38.3	1855.20	376297	99.9499 ng/ml
Clonazepam	5.605	957667	3107.38	34.2	19777.94	124942	104.0817 ng/ml
Clonazepam	5.548	522018	741182.12	32.7	257265.47	124942	102.8518 ng/ml
Cocaine	4.271	941661	71362.29	55.1	214713.73	756463	99.8473 ng/ml
Codeine	2.587	120100	19112.33	108.2	738.46	66554	104.9805 ng/ml
Cyclobenzaprine	5.628	493453	366.02	8.0	628.15	236745	92.7251 ng/ml
Dextromethorphan	5.275	453532	5796.68	80.8	16289.82	243073	98.3187 ng/ml
Dextrorphan	4.132	330318	971.80	221.8	3653.36	471749	97.2539 ng/ml
Diazepam	5.946	530211	4998.64	88.3	522.48	272111	101.6260 ng/ml
Dihydrocodeine	2.565	351078	16567.88	59.3	311.48	217296	102.8034 ng/ml
Diphenhydramine	5.303	2266323	93001.03	29.6	25228.63	1188515	99.1245 ng/ml
Doxylamine	4.549	2729838	9267.20	100.4	4558.82	1163454	97.8332 ng/ml
EDDP	5.268	735886	4766.20	45.0	40104.43	443179	97.9932 ng/ml
Etizolam	5.806	277929	13249.65	29.1	156195.43	124942	90.5458 ng/ml
Fentanyl	5.109	52838	487.72	72.1	92203.19	335859	10.0516 ng/ml
Flualprazolam	5.698	253120	17772.85	98.1	34403.14	279854	101.9793 ng/ml
Fluoxetine	5.714	387533	865.29	8.3	669.46	140176	97.1110 ng/ml
Hydrocodone	3.032	508568	∞	29.6	195.81	299587	107.8354 ng/ml
Hydromorphone	1.628	417250	9284.13	73.2	795848.89	143282	98.3726 ng/ml
Ketamine	4.059	927676	59114.01	39.3	782.37	390668	105.5526 ng/ml
Lamotrigine	4.294	74900	603.03	87.5	2967.15	390668	103.3628 ng/ml
Levetiracetam	2.649	410461	429.75	145.3	11940.27	1025279	97.5569 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	691818	7821.75	46.6	2496.61	124942	90.3271 ng/ml
MDA	3.216	1079237	7641.66	30.6	1417.23	334813	102.7180 ng/ml
MDMA	3.303	840152	15792.98	87.4	6024.76	99356	100.2247 ng/ml
Meprobamate	4.911	314832	22160.84	24.8	3775.10	196187	101.0856 ng/ml
Methadone	5.659	1219659	115575.57	52.5	1218.54	505750	95.4193 ng/ml
Methamphetamine	3.238	1078122	1025.33	38.7	628.12	538437	105.0444 ng/ml
Metoprolol	4.340	244151	341757.27	87.3	5813.82	997703	104.4318 ng/ml
Mirtazapine	4.637	1664468	1853.55	45.6	5606.40	548012	96.3542 ng/ml
Mitragynine	5.237	240154	599.51	35.1	274.22	505750	102.0636 ng/ml
Morphine	1.274	72023	60720.96	22.6	243.34	15636	100.1205 ng/ml
Norbuprenorphine	5.006	1911	2220.52	105.4	38.07	10134	9.3771 ng/ml
Nordiazepam	5.893	477059	1656.75	61.2	1465.04	159149	103.5403 ng/ml
Norfentanyl	4.093	207294	7520.97	33.3	1378.22	906255	9.6069 ng/ml
Norhydrocodone	3.080	46041	304.93	36.0	144.77	51367	100.0058 ng/ml
Noroxycodone	2.923	408579	1012.77	48.2	650.84	116854	102.8428 ng/ml
O-desmethyl-tramadol	3.383	2052648	117312.69	6.0	1034.15	1178108	98.9254 ng/ml
Oxazepam	5.749	872053	10427.86	76.2	2044.51	408834	104.2364 ng/ml
Oxycodone	2.848	966860	3645.92	28.8	9783.44	331627	101.7924 ng/ml
Oxymorphone	1.425	359879	843.83	44.5	1203.54	111277	103.6066 ng/ml
Phentermine	3.790	333355	254.98	6.2	137.48	475088	102.5535 ng/ml
Promethazine	5.552	831559	1175.61	32.3	5189.01	379285	97.3574 ng/ml
Pseudoephedrine	2.603	2004185	3301.48	16.6	46255.08	1025279	95.4214 ng/ml
Quetiapine	5.562	1081208	38728.86	60.2	56715.32	157960	103.0826 ng/ml
Sertraline	5.782	155554	5758.82	98.3	10221.27	64600	94.8446 ng/ml
Temazepam	5.816	1381570	34052.36	28.6	2713.96	783189	98.9331 ng/ml
Tramadol	4.252	1934385	1087.35	3.5	369.42	997703	99.6663 ng/ml
Trazodone	5.156	1028727	46759.07	76.8	738.45	390574	102.5263 ng/ml
Venlafaxine	5.050	1638726	1032.64	36.7	137180.01	888390	96.1183 ng/ml
Zolpidem	4.921	2259928	961.81	30.0	894.11	1010943	103.9253 ng/ml

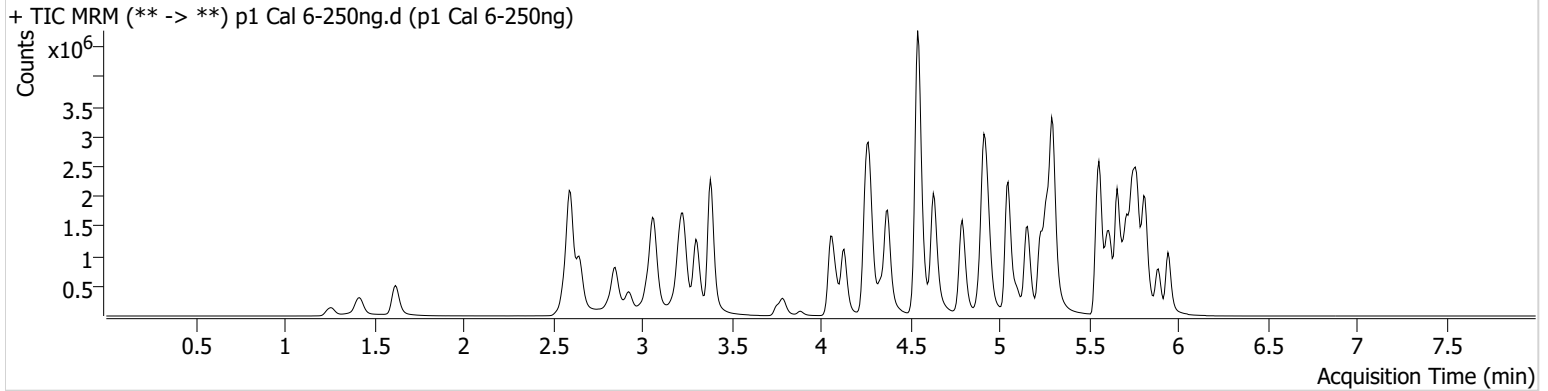
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 6-250ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 6-250ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-F1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/9/2021 5:09:42 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	50142	712.30	69.3	∞	52421	24.6063 ng/ml
7-aminoclonazepam	4.265	527983	11184.62	80.5	33039.89	147653	244.7195 ng/ml
a-hydroxyalprazolam	5.685	331156	629.52	72.0	1600.10	216501	234.5410 ng/ml
alpha-PHP	4.944	662933	5073.68	266.9	76197.87	459028	248.1562 ng/ml
alpha-PVP	4.376	2657493	49972.01	50.9	30219.52	459028	245.0742 ng/ml
Alprazolam	5.768	1535480	2003.39	114.6	11317.24	216501	254.9239 ng/ml
Amphetamine	3.069	3336435	729.38	43.3	1087.02	171652	233.9476 ng/ml
Benzoylecgonine	3.886	81040	287.40	8.5	8287.72	9947	247.5526 ng/ml
Buprenorphine	5.840	46784	53178.52	15.3	13325.56	60232	24.1841 ng/ml
Bupropion	4.795	2412540	178159.10	68.1	28834.65	324277	251.2825 ng/ml
Carisoprodol	5.724	1135211	62587.23	49.2	433.74	189421	241.6319 ng/ml
Citalopram	5.232	1759325	112279.21	37.4	2525.45	306984	246.5822 ng/ml
Clonazepam	5.605	1791636	34309.03	33.9	10487.02	96652	253.9464 ng/ml
Clonazepam	5.548	955279	2082983.54	33.5	599737.90	96652	245.9733 ng/ml
Cocaine	4.271	1933178	75690.15	55.3	5160567.19	628418	248.2671 ng/ml
Codeine	2.587	227814	763.95	106.0	1561.89	55240	241.6750 ng/ml
Cyclobenzaprine	5.628	924802	16440.30	7.7	3177.41	169708	241.6331 ng/ml
Dextromethorphan	5.275	880754	25529.29	79.4	93048.40	182171	256.4811 ng/ml
Dextrophan	4.132	695850	30178.28	217.7	18643.44	393887	246.0432 ng/ml
Diazepam	5.946	1057640	4840.07	91.0	28192.59	222836	249.0410 ng/ml
Dihydrocodeine	2.565	749820	11844.71	58.1	331.57	195488	246.2638 ng/ml
Diphenhydramine	5.303	4671455	∞	29.3	3998.31	982469	247.9849 ng/ml
Doxylamine	4.543	6174271	8458.32	99.8	4473.57	1018105	254.4809 ng/ml
EDDP	5.268	1576210	775.73	44.1	19433.14	379796	246.0000 ng/ml
Etizolam	5.806	574413	2744.56	28.1	510789.03	96652	241.8249 ng/ml
Fentanyl	5.103	100747	275.42	75.5	4812.99	269679	23.8950 ng/ml
Flualprazolam	5.698	485931	9679.92	99.5	61480.28	216501	254.6198 ng/ml
Fluoxetine	5.714	550310	44539.87	8.4	658.48	76335	254.0127 ng/ml
Hydrocodone	3.032	1038426	4825.80	31.0	1194.73	264770	251.6924 ng/ml
Hydromorphone	1.621	911363	4776875.17	72.6	43068.92	124157	249.1442 ng/ml
Ketamine	4.059	1999562	118309.50	38.8	1869.60	348509	256.7680 ng/ml
Lamotrigine	4.294	153791	3081.99	87.2	4649.07	348509	239.3252 ng/ml
Levetiracetam	2.649	889496	43454.59	146.7	58621.25	833982	261.7057 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	932399	59493.74	46.6	2062.31	96652	158.8501 ng/ml
MDA	3.209	1991994	863.12	29.2	1751.52	266734	240.1179 ng/ml
MDMA	3.303	1760327	13379.47	86.3	9236.45	83916	249.8071 ng/ml
Meprobamate	4.904	554753	19552.43	25.1	9217.54	169005	209.0747 ng/ml
Methadone	5.659	2517569	3343.76	52.1	131565.98	408496	243.6683 ng/ml
Methamphetamine	3.238	2347040	2476.24	38.7	12825.64	489269	254.7339 ng/ml
Metoprolol	4.333	500693	441231.69	88.6	10492.42	815678	264.4659 ng/ml
Mirtazapine	4.631	3595181	86706.12	44.7	105684.34	459028	249.6192 ng/ml
Mitragynine	5.237	476787	59207.85	34.2	124362.26	408496	252.2507 ng/ml
Morphine	1.261	166221	115.48	21.8	320.41	14055	258.3545 ng/ml
Norbuprenorphine	5.006	4123	19569.39	98.8	1574.57	8340	25.2611 ng/ml
Nordiazepam	5.893	919083	7002.72	60.0	10557.57	124936	255.3725 ng/ml
Norfentanyl	4.093	454421	1937.72	33.2	78.29	751844	25.4032 ng/ml
Norhydrocodone	3.080	98880	247.64	36.9	89.30	38880	283.6159 ng/ml
Noroxycodone	2.923	796518	7737.78	47.0	18233.80	94830	248.7229 ng/ml
O-desmethyl-tramadol	3.383	4527578	112214.16	6.0	1447.24	1030441	250.2784 ng/ml
Oxazepam	5.749	1329661	21676.58	77.5	5572.84	254763	256.8517 ng/ml
Oxycodone	2.848	2131073	2803.22	28.8	1100.50	295243	253.6556 ng/ml
Oxymorphone	1.418	758449	∞	45.6	∞	94190	259.9818 ng/ml
Phentermine	3.790	683768	4517.92	5.9	1311.70	421489	239.3067 ng/ml
Promethazine	5.545	1490757	3924.80	32.3	588.59	268055	247.7862 ng/ml
Pseudoephedrine	2.603	4216393	36949.81	16.4	576.04	833982	247.2626 ng/ml
Quetiapine	5.562	2250315	87214.22	60.9	71527.89	137706	248.0415 ng/ml
Sertraline	5.782	211553	301.43	96.8	553962.89	34898	239.2113 ng/ml
Temazepam	5.816	2373240	1303.24	28.7	1170.18	535884	249.5085 ng/ml
Tramadol	4.252	4087228	∞	3.5	762.13	815678	259.2568 ng/ml
Trazodone	5.156	2217399	834.80	77.2	1447.48	346839	250.3448 ng/ml
Venlafaxine	5.050	3589399	186829.91	36.3	6004.97	752681	248.8739 ng/ml
Zolpidem	4.914	4970714	993.59	29.1	6549.00	902759	257.9750 ng/ml

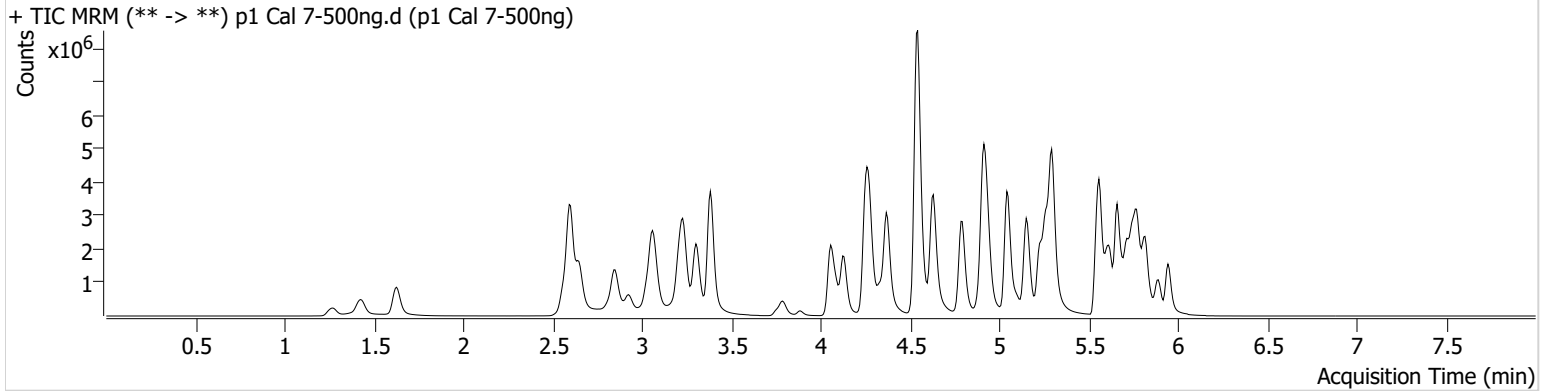
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/9/2021 5:20:19 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	96677	5163.09	69.4	2216.54	48613	51.2472 ng/ml
7-aminoclonazepam	4.265	718384	33694.23	80.4	21456.14	115937	425.1493 ng/ml
a-hydroxyalprazolam	5.685	386572	1585.85	76.7	216.29	161535	368.4902 ng/ml
alpha-PHP	4.937	1131727	2855.07	263.1	38637.08	401826	485.2707 ng/ml
alpha-PVP	4.370	4944478	332886.93	50.5	37305.99	401826	521.5099 ng/ml
Alprazolam	5.768	2408142	1757.00	112.3	1594.17	161535	535.9348 ng/ml
Amphetamine	3.063	5424044	658.40	43.7	535.81	163355	401.1892 ng/ml
Benzoylcegonine	3.886	160678	1032.13	8.1	1127.38	9768	500.6102 ng/ml
Buprenorphine	5.840	77136	3807.84	15.3	27561.05	43871	54.7775 ng/ml
Bupropion	4.795	4511992	271095.05	66.2	23153.49	296649	514.9643 ng/ml
Carisoprodol	5.724	1516992	70565.50	49.9	9756.92	121903	501.8063 ng/ml
Citalopram	5.226	2889112	210261.00	38.4	47774.42	243285	511.6215 ng/ml
Clonazepam	5.605	2651282	33508.65	33.2	∞	74444	489.3499 ng/ml
Clonazepam	5.542	1294055	1093968.72	34.3	392265.13	74444	434.0881 ng/ml
Cocaine	4.271	3314592	902.23	54.5	65799.58	530748	505.0723 ng/ml
Codeine	2.587	356568	1350.97	103.5	983.72	48728	429.8713 ng/ml
Cyclobenzaprine	5.628	1553774	39742.50	7.6	6199.18	134733	510.8090 ng/ml
Dextromethorphan	5.275	1337009	40173.13	80.1	33650.79	141958	500.6598 ng/ml
Dextrophan	4.132	1237422	46464.50	219.9	13820.22	336385	512.8033 ng/ml
Diazepam	5.946	1743180	19826.55	88.9	8608.00	181461	505.1213 ng/ml
Dihydrocodeine	2.559	1323156	38280.02	59.3	7786.87	190015	448.3905 ng/ml
Diphenhydramine	5.296	7790515	101488.92	29.2	52299.79	782347	519.9446 ng/ml
Doxylamine	4.543	11628025	178533.18	98.6	8008.02	944673	517.5679 ng/ml
EDDP	5.261	2922443	118999.93	43.5	90786.37	337886	513.4604 ng/ml
Etizolam	5.806	915396	23158.19	28.5	45906.29	74444	500.2884 ng/ml
Fentanyl	5.103	179018	403.97	76.9	27316.59	230191	49.7631 ng/ml
Flualprazolam	5.698	715196	19069.98	102.9	58113.95	161535	503.2910 ng/ml
Fluoxetine	5.714	910669	22719.17	8.4	14104.39	62489	513.9796 ng/ml
Hydrocodone	3.025	1760442	361.92	32.9	∞	246198	460.4859 ng/ml
Hydromorphone	1.628	1656946	8824670.48	72.6	3196999.73	109122	516.2067 ng/ml
Ketamine	4.059	3621523	269370.80	38.7	9143.54	331932	489.3758 ng/ml
Lamotrigine	4.294	243607	11908.84	87.9	561.32	331932	398.7505 ng/ml
Levetiracetam	2.649	1431155	68441.19	147.6	671.36	700702	502.1527 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1016665	31366.83	46.0	2013.82	74444	225.7057 ng/ml
MDA	3.209	2964410	26956.59	27.3	694.38	217241	440.0858 ng/ml
MDMA	3.303	3090032	108147.89	85.5	3334.78	71245	517.3422 ng/ml
Meprobamate	4.897	745951	26803.08	24.7	345.80	142114	335.6530 ng/ml
Methadone	5.659	4275807	35202.41	50.4	54904.58	335865	503.2103 ng/ml
Methamphetamine	3.238	4623180	9412.82	38.5	2150.73	520374	473.6567 ng/ml
Metoprolol	4.333	818083	8150.05	89.2	4922.27	734820	481.0134 ng/ml
Mirtazapine	4.631	6467353	127993.30	44.0	139184.14	401826	513.7327 ng/ml
Mitragynine	5.230	776546	45288.36	34.9	2886.12	335865	500.6143 ng/ml
Morphine	1.274	284681	533.78	23.1	8852.32	12712	489.9731 ng/ml
Norbuprenorphine	4.999	6975	612.02	101.3	240.77	6636	54.1876 ng/ml
Nordiazepam	5.893	1376744	1832.02	59.5	1352.43	94184	508.3002 ng/ml
Norfentanyl	4.093	866161	479.86	33.3	512.34	639715	56.9214 ng/ml
Norhydrocodone	3.080	194600	494.96	38.2	122.18	33884	640.3733 ng/ml
Noroxycodone	2.923	1284581	4333.30	47.6	3960.57	78156	487.8459 ng/ml
O-desmethyl-tramadol	3.383	8362615	267662.62	5.9	16676.73	920399	518.1097 ng/ml
Oxazepam	5.749	1420539	17933.09	77.3	4749.18	146813	477.2401 ng/ml
Oxycodone	2.841	3928971	6126.62	28.7	10931.27	277581	498.4817 ng/ml
Oxymorphone	1.425	1312160	∞	44.6	∞	86103	493.2380 ng/ml
Phentermine	3.790	1176457	∞	5.6	529.75	399842	435.3954 ng/ml
Promethazine	5.545	2587295	2440.96	31.5	2073.48	225377	512.0536 ng/ml
Pseudoephedrine	2.603	7526434	96430.31	16.0	47550.67	700702	525.6596 ng/ml
Quetiapine	5.562	3934522	198208.90	60.7	63429.04	120698	496.1906 ng/ml
Sertraline	5.782	376819	14253.73	95.4	11620.79	28747	517.5879 ng/ml
Temazepam	5.816	3100268	12323.29	27.8	6810.83	344251	508.1626 ng/ml
Tramadol	4.252	7117544	1044.25	3.4	62913.77	734820	502.1376 ng/ml
Trazodone	5.149	4319552	144254.36	77.6	140363.12	331676	511.0512 ng/ml
Venlafaxine	5.043	6585879	180229.99	35.4	1391.94	658434	522.2628 ng/ml
Zolpidem	4.914	8920112	322959.68	28.3	908.18	840784	498.3345 ng/ml



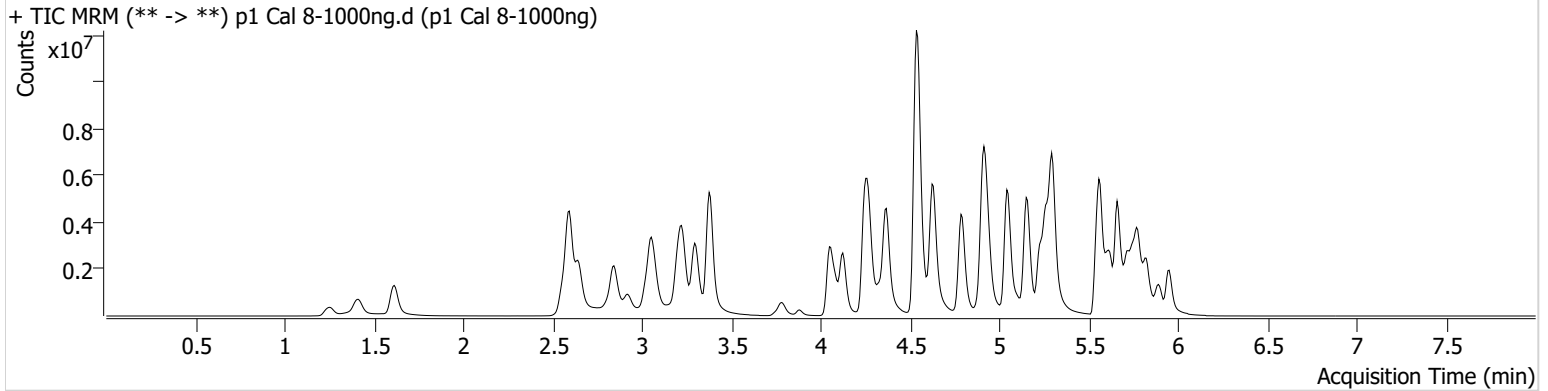
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\120921 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 12/13/2021 11:53:04 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-H1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/9/2021 5:30:55 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	167885	1777.98	68.1	931.09	42335	102.2753 ng/ml
7-aminoclonazepam	4.258	764264	7409.69	79.9	6463.69	77645	676.2405 ng/ml
a-hydroxyalprazolam	5.685	436563	803.00	73.9	337.19	114658	587.8890 ng/ml
alpha-PHP	4.937	1646042	64646.98	265.9	177119.36	326344	870.1537 ng/ml
alpha-PVP	4.370	7935437	48756.05	49.7	154995.57	326344	1031.1019 ng/ml
Alprazolam	5.768	3297351	680.17	109.7	1122.01	114658	1033.9192 ng/ml
Amphetamine	3.056	7172188	204302.63	44.0	58041.47	137062	633.5088 ng/ml
Benzoylcegonine	3.879	276029	14388.49	8.1	192.24	8601	977.4598 ng/ml
Buprenorphine	5.846	121714	163938.17	15.2	26835.45	32442	116.9114 ng/ml
Bupropion	4.788	7141254	2250.06	65.8	107513.11	246689	981.1843 ng/ml
Carisoprodol	5.724	1794977	1443315.50	49.1	35356.96	71646	1010.3217 ng/ml
Citalopram	5.226	4244131	104827.00	38.3	545.26	178850	1022.9750 ng/ml
Clonazepam	5.605	3325555	74715.13	33.1	24910.18	52387	873.4660 ng/ml
Clonazepam	5.542	1438905	71563.16	35.3	664054.53	52387	687.0363 ng/ml
Cocaine	4.264	4928963	4811.32	53.1	941.50	399467	998.9073 ng/ml
Codeine	2.580	486348	614.89	101.5	19716.17	38144	750.0450 ng/ml
Cyclobenzaprine	5.628	2311471	41955.65	7.8	269.19	101490	1008.3271 ng/ml
Dextromethorphan	5.275	1786936	84398.77	78.3	31066.08	95727	993.3587 ng/ml
Dextrophan	4.125	1972716	24744.48	221.6	318633.43	259910	1058.5293 ng/ml
Diazepam	5.953	2453663	11977.00	90.7	158228.59	136177	948.3457 ng/ml
Dihydrocodeine	2.552	2013409	712.33	59.7	∞	170174	762.9774 ng/ml
Diphenhydramine	5.296	11502336	131521.29	29.0	42433.29	585279	1026.6872 ng/ml
Doxylamine	4.536	18250011	349821.56	98.1	283140.04	818816	937.9995 ng/ml
EDDP	5.261	5147579	123707.46	42.9	437.28	291897	1047.6451 ng/ml
Etizolam	5.813	1314404	7448.00	28.1	2046.66	52387	1020.7580 ng/ml
Fentanyl	5.103	289529	18697.17	75.3	1458.28	182519	101.5246 ng/ml
Flualprazolam	5.698	908471	1977.63	106.3	9741.13	114658	901.5010 ng/ml
Fluoxetine	5.721	1225941	22535.04	8.5	1191.31	40105	1078.6519 ng/ml
Hydrocodone	3.018	2840649	334.59	32.5	248.22	210547	870.5854 ng/ml
Hydromorphone	1.615	2684765	4865625.23	72.8	3732571.46	91631	996.7991 ng/ml
Ketamine	4.051	5756307	121872.46	37.8	∞	285558	905.2055 ng/ml
Lamotrigine	4.287	331992	1156.26	87.4	678.44	285558	632.3107 ng/ml
Levetiracetam	2.649	2085745	78790.92	149.7	2074.36	508263	1010.0091 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1041085	24512.26	46.7	3047.04	52387	329.3472 ng/ml
MDA	3.196	3868089	1667.99	27.8	2197.56	167731	744.8644 ng/ml
MDMA	3.296	4571542	4476.97	85.6	1794.34	57262	952.9500 ng/ml
Meprobamate	4.897	873475	61317.63	24.5	12482.81	111876	500.3406 ng/ml
Methadone	5.659	6660082	56363.20	48.6	41345.30	260668	1009.8031 ng/ml
Methamphetamine	3.231	6632674	81907.12	37.8	4821.95	428700	826.4813 ng/ml
Metoprolol	4.333	1163284	181213.46	90.1	122596.30	606885	829.3723 ng/ml
Mirtazapine	4.624	10432832	4695.31	43.8	4527.11	326344	1021.1326 ng/ml
Mitragynine	5.237	1068300	43899.83	36.3	466891.06	260668	888.1041 ng/ml
Morphine	1.253	463127	1747.05	23.0	768.21	10568	959.6053 ng/ml
Norbuprenorphine	4.999	10541	355.21	97.7	11382.14	5336	102.2172 ng/ml
Nordiazepam	5.893	1710396	609.27	60.4	4922.87	66750	891.6803 ng/ml
Norfentanyl	4.086	1463675	45992.17	32.9	9989.27	473207	130.0481 ng/ml
Norhydrocodone	3.073	348309	∞	38.5	123.21	28133	1380.3940 ng/ml
Noroxycodone	2.916	1883312	2957.24	48.1	616.43	58797	951.8525 ng/ml
O-desmethyl-tramadol	3.376	13214731	844391.59	5.8	18063.21	738761	1020.5365 ng/ml
Oxazepam	5.749	1352503	9424.64	77.1	13331.05	75389	885.9256 ng/ml
Oxycodone	2.841	6429616	4806.58	28.5	769.02	244463	927.2130 ng/ml
Oxymorphone	1.411	2067521	∞	46.3	∞	72196	928.0756 ng/ml
Phentermine	3.783	1693176	4352.20	5.6	383.68	338896	740.4922 ng/ml
Promethazine	5.545	3949605	5556.53	31.2	4721.20	171717	1026.4748 ng/ml
Pseudoephedrine	2.596	11203999	88260.64	15.6	74128.76	508263	1079.0931 ng/ml
Quetiapine	5.562	6345204	252487.21	61.3	51755.27	106943	904.2747 ng/ml
Sertraline	5.789	499909	344.11	95.8	50120.68	19760	999.2409 ng/ml
Temazepam	5.823	3487403	105246.30	27.1	658.51	198094	994.0831 ng/ml
Tramadol	4.246	10877368	2182.73	3.4	439.71	606885	930.0590 ng/ml
Trazodone	5.149	7680989	67344.68	79.0	151591.88	318798	946.3408 ng/ml
Venlafaxine	5.043	10413370	153060.06	34.9	29895.61	529638	1026.8275 ng/ml
Zolpidem	4.914	13463168	268716.93	28.3	1038.14	738305	857.5198 ng/ml