

CG

**REVIEWED**  
By Sarah Collins at 10:21 am, Apr 29, 2021

**Worklist: 4932**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-3163	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1486	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1586	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1590	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1085	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1088	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1089	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1091	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1114	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1140	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1142	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1174	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1175	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1176	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1180	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1207	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1209	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1224	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 04/22/2021

Analyst: Celena Shrum

Plate lot#: 201207

Plate Expiration: 06/07/2021

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20724

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.

Comments: Curve limits: alpha-hydroxyalprazolam 5-100, Amphetamine 5-250, Clonazepam 5-500, Clonazolam 5-500, Codeine 5-500, Dihydrocodeine 5-500, Etizolam 5-500, Lamotrigine 5-250, Lorazepam 5-100, MDA 5-500, Meprobamate 5-100, Methamphetamine 5-500, Mirtazapine 5-100, Phentermine 5-500, Zolpidem 5-500.

~~A surrogate ISTD was used for hydromorphone and as such these compounds will be called qualitatively only. Sertraline will be reported qualitatively due to the QC 10 not meeting accuracy requirement.~~ 4/28/21 CS

Surrogate internal standards were used for hydromorphone and alpha-hydroxyalprazolam, and as such these compounds will be reported qualitatively. CS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2021-1586-2	P2021-1142-1								
B	IS + Cal. 2	IS + QC_2	M2021-1590-2	P2021-1174-1								
C	IS + Cal. 3	IS + QC_3	P2021-1085-1	P2021-1175-1								
D	IS + Cal. 4	IS + QC_4	P2021-1088-1	P2021-1176-1								
E	IS + Cal. 5	IS + QC_2	P2021-1089-1	P2021-1180-1								
F	IS + Cal. 6	Blood NEG	P2021-1091-1	P2021-1207-2								
G	IS + Cal. 7	M2020-3163-1	P2021-1114-1	P2021-1209-1								
H	IS + Cal. 8	M2021-1486-3	P2021-1140-1	P2021-1224-1								

All wells to contain 60 µl of Trapping Solution

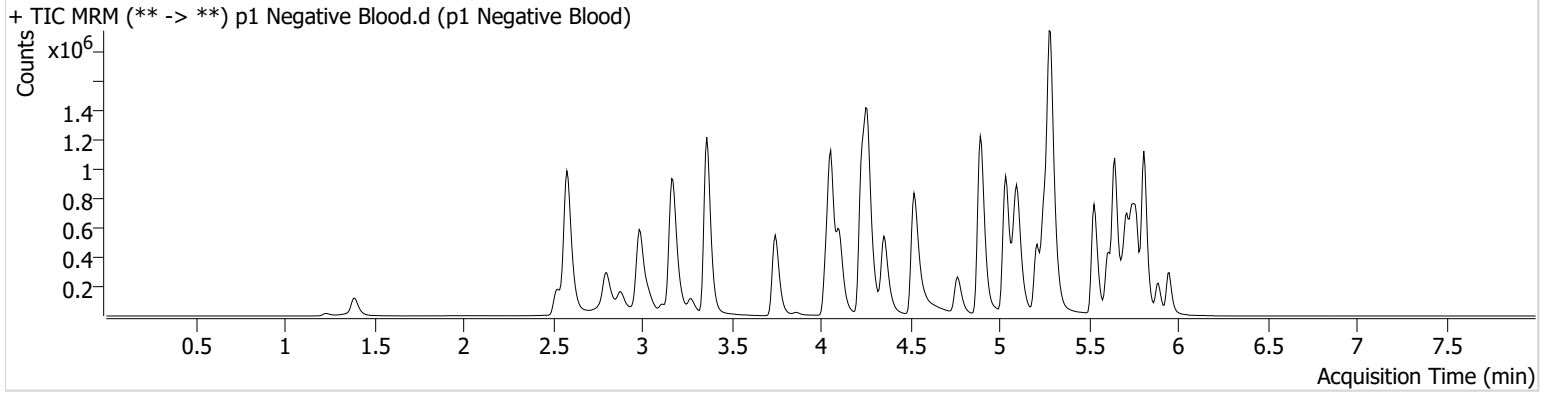
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

<b>Instrument Type</b>	Instrument 1 Sample	<b>Data File</b>	p1 Negative Blood.d
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Sample</b>	p1 Negative Blood
<b>Sample Position</b>	P2-F2	<b>Operator</b>	Celena Shrum
<b>Injection Volume</b>	2	<b>Comment</b>	
<b>Acq. Date-Time</b>	4/23/2021 3:30:11 PM		
<b>Sample Info.</b>			

## Sample Chromatogram





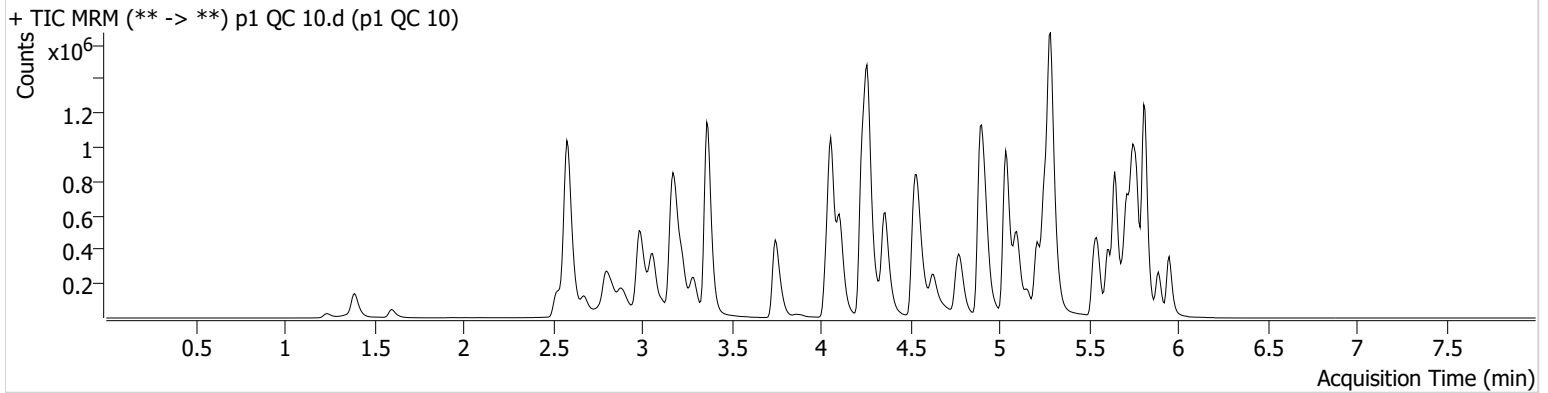
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

<b>Instrument</b>	Instrument 1	<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>	4/23/2021 2:26:30 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	5094	239.21	69.3	528.30	128356	1.0026 ng/ml
7-aminoclonazepam	4.271	96930	1355.86	81.1	255.30	369761	9.6101 ng/ml
a-hydroxyalprazolam	5.692	59544	235.44	56.4	230.67	644604	10.7246 ng/ml
alpha-PHP	4.937	81889	2035.59	269.0	2222.24	1306994	10.3734 ng/ml
alpha-PVP	4.370	287986	10427.20	52.0	5723.39	1306994	9.7981 ng/ml
Alprazolam	5.775	183215	559.18	112.0	836.82	644604	10.1794 ng/ml
Amphetamine	3.063	568649	1144.71	47.9	3463.23	555889	10.5858 ng/ml
Benzoylecgonine	3.892	8597	∞	8.0	10.84	30012	10.6590 ng/ml
Buprenorphine	5.819	4693	48.24	15.4	1029.60	185091	1.0102 ng/ml
Bupropion	4.788	220371	552.74	61.8	395.04	799202	9.7528 ng/ml
Carisoprodol	5.724	176661	234.63	56.2	521.90	902603	9.7797 ng/ml
Citalopram	5.212	190305	280.44	43.8	715.32	903011	9.6736 ng/ml
Clonazepam	5.612	222896	1573.45	32.3	600.64	257774	10.1966 ng/ml
Clonazepam	5.549	147333	12614.70	37.2	1829.48	257774	10.0803 ng/ml
Cocaine	4.264	234486	6974.17	49.5	2281.69	2211755	9.8709 ng/ml
Codeine	2.580	27050	106.97	100.4	706.72	133460	10.3899 ng/ml
Cyclobenzaprine	5.615	57094	108.23	9.2	52.82	226399	10.3281 ng/ml
Dextromethorphan	5.262	98500	891.41	82.1	795.72	480714	9.7391 ng/ml
Dextrophan	4.112	86723	365.24	199.2	859.31	1041175	10.0318 ng/ml
Diazepam	5.960	113491	1589.67	88.6	341.81	546328	9.7150 ng/ml
Dihydrocodeine	2.559	67103	4527.20	63.4	973.37	392717	10.5390 ng/ml
Diphenhydramine	5.289	505701	∞	33.0	789.87	3237471	9.6415 ng/ml
Doxylamine	4.543	570090	998.98	97.2	4493.44	2514616	9.8826 ng/ml
EDDP	5.254	205833	2053.74	42.6	14312.59	1110239	9.7991 ng/ml
Etizolam	5.813	109419	2836.29	24.7	49759.70	257774	9.5608 ng/ml
Fentanyl	5.103	9641	40.01	70.7	85.27	481524	0.9710 ng/ml
Flualprazolam	5.705	84409	436.03	98.5	1586.17	644604	10.1597 ng/ml
Fluoxetine	5.700	34962	127.84	8.6	65.69	124942	11.8480 ng/ml
Hydrocodone	3.018	100065	105.20	38.2	89.23	1206231	10.1163 ng/ml
Hydromorphone	1.601	87608	1366.32	75.8	925.76	14128	10.2745 ng/ml
Ketamine	4.051	210588	5128.39	37.4	1090.58	1012904	9.7283 ng/ml
Lamotrigine	4.274	19017	859.21	82.5	2049.08	1012904	9.8804 ng/ml
Levetiracetam	2.676	87710	1202.62	166.7	1373.33	2586231	9.5976 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	198691	834.68	56.3	166.36	257774	10.6393 ng/ml
MDA	3.196	382960	2320.51	24.6	952.92	938788	10.5009 ng/ml
MDMA	3.290	229860	2407.67	76.7	1711.54	215752	10.0013 ng/ml
Meprobamate	4.917	102605	2423.52	27.8	359.49	459955	10.1616 ng/ml
Methadone	5.653	297668	1694.02	46.0	1528.82	1436169	9.5937 ng/ml
Methamphetamine	3.231	397413	418.43	38.4	874.28	1564418	9.8592 ng/ml
Metoprolol	4.326	55412	185.26	91.4	961.92	2394787	10.3724 ng/ml
Mirtazapine	4.631	338871	7533.65	49.9	2794.40	1306994	9.9012 ng/ml
Mitragynine	5.237	39284	43263.95	38.2	17037.17	1436169	8.6151 ng/ml
Morphine	1.247	11914	3305.49	32.1	315.04	14128	9.8241 ng/ml
Norbuprenorphine	4.992	674	2385.88	114.3	372.83	31066	0.8137 ng/ml
Nordiazepam	5.900	107270	838.20	58.0	7178.36	365369	9.9177 ng/ml
Norfentanyl	4.086	48358	47.32	35.1	48.89	2133343	0.9589 ng/ml
Norhydrocodone	3.059	15482	137.78	41.2	65.64	143072	9.8035 ng/ml
Noroxycodone	2.903	116727	483.89	43.2	213.45	399908	9.9466 ng/ml
O-desmethyl-tramadol	3.369	428426	935.41	6.7	542.92	2681176	9.6974 ng/ml
Oxazepam	5.749	229984	1295.33	74.0	1218.69	954509	9.8047 ng/ml
Oxycodone	2.827	218508	1177.91	26.9	1140.99	945951	9.9521 ng/ml
Oxymorphone	1.398	97552	428.87	43.0	340.93	345693	10.2207 ng/ml
Phentermine	3.783	113115	128.38	4.6	56.29	1306038	10.2291 ng/ml
Promethazine	5.538	113047	616.46	27.9	230.26	494531	9.9535 ng/ml
Pseudoephedrine	2.596	521938	3552.32	16.0	3971.95	2586231	9.6106 ng/ml
Quetiapine	5.548	220123	17133.83	57.0	121.33	300185	10.3728 ng/ml
Sertraline	5.769	9358	116.21	103.8	172.86	36315	12.9472 ng/ml
Temazepam	5.816	402795	480.80	29.3	596.54	2034068	9.6743 ng/ml
Tramadol	4.246	490287	1582.25	3.4	86.82	2394787	10.1335 ng/ml
Trazodone	5.156	176900	675.38	79.6	162.29	746406	10.1322 ng/ml
Venlafaxine	5.037	426664	426.94	39.3	305.18	2227081	9.8506 ng/ml
Zolpidem	4.921	493966	687.57	31.5	1610.72	2462010	9.8453 ng/ml

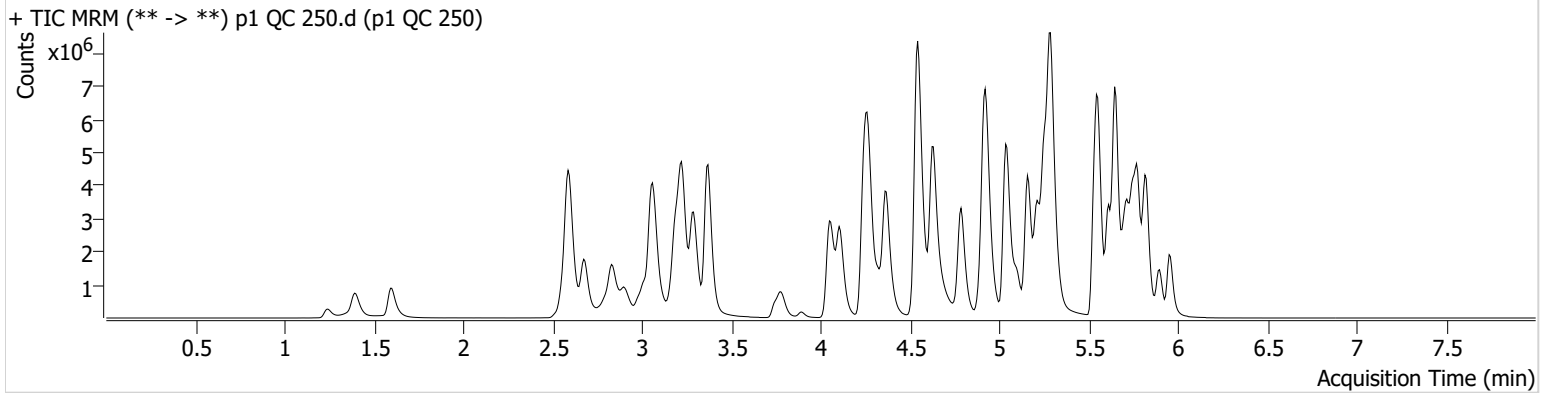
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

<b>Instrument</b>	Instrument 1	<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>	4/23/2021 2:47:43 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	119672	72444.32	72.3	111405.32	118219	24.4389 ng/ml
7-aminoclonazepam	4.271	1453585	6402.11	80.2	13921.84	222948	239.4794 ng/ml
<del>a-hydroxyalprazolam</del>	<del>5.692</del>	<del>651732</del>	<del>∞</del>	<del>57.9</del>	<del>363.90</del>	<del>436311</del>	<del>182.0118 ng/ml*</del>
alpha-PHP	4.937	1600055	77467.69	274.5	245940.97	1114646	259.6969 ng/ml
alpha-PVP	4.370	6427978	205469.86	51.6	1003.29	1114646	249.1299 ng/ml
Alprazolam	5.775	3181851	1123.53	112.8	∞	436311	255.4037 ng/ml
Amphetamine	3.063	9129180	77226.25	46.9	20927.95	471334	215.9492 ng/ml
Benzoylcegonine	3.892	185784	12944.80	8.0	2642.15	29026	246.0502 ng/ml
Buprenorphine	5.819	125996	4375.39	14.6	61987.55	202257	24.8748 ng/ml
Bupropion	4.788	5367467	148544.79	60.0	2719.72	748344	249.8581 ng/ml
Carisoprodol	5.724	2285774	64785.39	54.6	13858.28	436129	250.0852 ng/ml
Citalopram	5.212	4957353	88453.15	41.7	592.52	912195	243.0089 ng/ml
Clonazepam	5.612	2969766	46443.97	31.5	5203.01	152227	238.6076 ng/ml
Clonazepam	5.555	2007080	199431.72	37.5	817257.88	152227	238.8063 ng/ml
Cocaine	4.264	4620914	717.56	50.9	193264.39	1690722	249.2456 ng/ml
Codeine	2.573	433674	427.29	101.4	10836.88	104528	228.6314 ng/ml
Cyclobenzaprine	5.615	2876336	25214.71	8.9	674.99	450941	255.1403 ng/ml
Dextromethorphan	5.262	2654723	24810.17	80.1	658.66	504314	247.5466 ng/ml
Dextrophan	4.111	1911333	81029.62	208.0	35488.38	911441	247.9974 ng/ml
Diazepam	5.960	2118289	14932.87	87.5	3832.97	403209	247.3993 ng/ml
Dihydrocodeine	2.552	1365039	556.45	64.3	11974.95	369157	237.2578 ng/ml
Diphenhydramine	5.289	12680034	157462.82	32.7	4471.87	3016815	250.9873 ng/ml
Doxylamine	4.543	14623528	303412.26	95.8	288524.25	2392885	268.5648 ng/ml
EDDP	5.254	5135327	1023.90	42.0	824.58	1064738	247.6292 ng/ml
Etizolam	5.813	1929599	10891.78	25.5	952659.09	152227	272.3096 ng/ml
Fentanyl	5.103	453172	29298.51	69.5	577335.89	877997	24.2180 ng/ml
Flualprazolam	5.705	1355569	16513.93	101.6	38031.75	436311	251.0909 ng/ml
Fluoxetine	5.700	1310895	2591456.62	8.8	120518.68	229984	247.8199 ng/ml
Hydrocodone	3.012	2069858	770.13	39.4	422.93	1128903	235.6560 ng/ml
Hydromorphone	1.601	1815736	6046679.76	76.1	7789656.05	11997	255.2156 ng/ml
Ketamine	4.051	4580684	208556.41	37.3	1348.09	896119	248.9553 ng/ml
Lamotrigine	4.280	315536	5695.11	80.1	2136.62	896119	214.7834 ng/ml
Levetiracetam	2.676	1753618	9401.06	164.8	1291.54	1887841	253.2259 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	<del>1488231</del>	<del>2156.00</del>	<del>57.1</del>	<del>1513.67</del>	<del>152227</del>	147.0609 ng/ml*
MDA	3.196	5538054	61837.42	22.9	13662.41	653524	236.4856 ng/ml
MDMA	3.290	4900013	24777.67	77.2	54752.42	180250	250.8632 ng/ml
Meprobamate	4.917	<del>1138497</del>	<del>12923.83</del>	<del>27.0</del>	<del>43794.94</del>	<del>316537</del>	171.9861 ng/ml*
Methadone	5.653	9619035	146401.94	45.6	2279.73	1695889	260.8704 ng/ml
Methamphetamine	3.224	8518364	2563.41	36.5	40869.41	1505596	238.6088 ng/ml
Metoprolol	4.326	1135827	313381.52	89.9	6436.49	2014003	267.2234 ng/ml
Mirtazapine	4.631	<del>9444934</del>	<del>143068.57</del>	<del>48.7</del>	<del>10442.60</del>	<del>1114646</del>	399.6252 ng/ml*
Mitragynine	5.230	1393627	25147.67	40.2	2844.91	1695889	289.8246 ng/ml
Morphine	1.240	262645	6795.23	32.9	3443.61	11997	258.4982 ng/ml
Norbuprenorphine	4.986	19268	72956.39	94.8	311961.64	36628	24.8382 ng/ml
Nordiazepam	5.900	1888013	∞	56.0	762.31	265536	245.4197 ng/ml
Norfentanyl	4.079	1034396	46924.23	34.1	4887.80	1676143	24.4147 ng/ml
Norhydrocodone	3.059	238770	258.74	43.5	290.03	88030	227.4687 ng/ml
Noroxycodone	2.903	1922815	1253.66	41.8	24306.48	257727	249.9634 ng/ml
O-desmethyl-tramadol	3.369	10021297	189452.65	6.5	86693.01	2335970	255.5742 ng/ml
Oxazepam	5.749	2268319	18771.22	70.5	10143.07	388073	242.1648 ng/ml
Oxycodone	2.827	4814699	11039.15	26.6	41516.57	865993	244.3057 ng/ml
Oxymorphone	1.391	1944253	∞	40.5	747.07	269106	263.3345 ng/ml
Phentermine	3.783	2081378	∞	4.3	1109.49	1179074	227.7261 ng/ml
Promethazine	5.532	6483882	5569.23	26.9	19044.51	1073404	259.1213 ng/ml
Pseudoephedrine	2.596	10440829	81695.35	15.6	1855.16	1887841	249.4810 ng/ml
Quetiapine	5.548	5783569	215759.29	57.8	693.05	325883	258.6133 ng/ml
Sertraline	5.769	287919	3060.70	100.9	11300.84	58068	243.2053 ng/ml
Temazepam	5.823	5260206	150864.09	28.5	7867.17	1010063	240.9758 ng/ml
Tramadol	4.246	10239135	∞	3.5	946.90	2014003	262.5284 ng/ml
Trazodone	5.156	6637417	163428.11	80.1	1058.37	1148369	254.0711 ng/ml
Venlafaxine	5.037	10014580	125667.28	37.7	3883.23	1904749	261.5060 ng/ml
Zolpidem	4.914	10826820	561883.84	30.3	6819.23	2240864	245.9435 ng/ml

\*Outside curve range

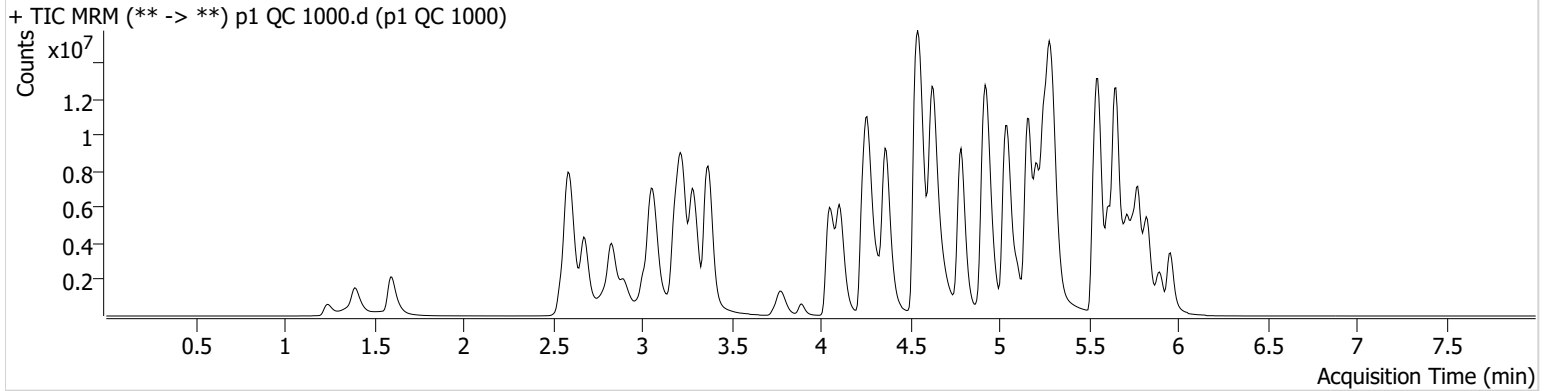


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 1000.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 1000
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-D2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/23/2021 3:08:58 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	397826	89803.02	69.8	6054.01	91643	104.6504 ng/ml
7-aminoclonazepam	4.278	1780814	28199.20	87.8	21188.43	67642	967.0722 ng/ml
<del>a-hydroxyalprazolam</del>	<del>5.685</del>	<del>863471</del>	<del>469.60</del>	<del>58.5</del>	<del>∞</del>	<del>227019</del>	<del>464.3342 ng/ml*</del>
alpha-PHP	4.937	3788854	89292.46	280.6	224601.73	776967	884.6244 ng/ml
alpha-PVP	4.370	18286127	39175.83	53.6	3977.78	776967	1015.8403 ng/ml
Alprazolam	5.775	6495898	1856.32	113.3	1137.20	227019	1001.4348 ng/ml
<del>Amphetamine</del>	<del>3.063</del>	<del>17471108</del>	<del>41732.19</del>	<del>48.4</del>	<del>69532.92</del>	<del>319377</del>	<del>611.4884 ng/ml*</del>
Benzoylcegonine	3.892	727023	62440.29	7.9	19737.55	28058	997.2086 ng/ml
Buprenorphine	5.826	316526	20106.75	14.2	141489.76	132448	95.4335 ng/ml
Bupropion	4.788	16946074	3434.17	61.3	1576.70	612519	963.3360 ng/ml
Carisoprodol	5.724	3606556	22642570.22	54.2	4570.88	161777	1062.2780 ng/ml
Citalopram	5.212	11842444	113431.87	41.3	148699.23	516321	1024.7719 ng/ml
<del>Clonazepam</del>	<del>5.605</del>	<del>4093840</del>	<del>2100.90</del>	<del>31.2</del>	<del>8967.42</del>	<del>67685</del>	<del>740.5972 ng/ml*</del>
<del>Clonazepam</del>	<del>5.562</del>	<del>2646590</del>	<del>227828.21</del>	<del>36.4</del>	<del>15505.55</del>	<del>67685</del>	<del>708.7784 ng/ml*</del>
Cocaine	4.264	11690697	3757.93	50.3	324108.25	1020503	1044.0432 ng/ml
<del>Codeine</del>	<del>2.566</del>	<del>909061</del>	<del>1038.37</del>	<del>99.6</del>	<del>338.09</del>	<del>69658</del>	<del>720.9160 ng/ml*</del>
Cyclobenzaprine	5.615	6815675	342903.02	8.5	14663.03	253160	1076.0868 ng/ml
Dextromethorphan	5.262	5498248	577.21	79.3	89789.83	253127	1021.1308 ng/ml
Dextrophan	4.105	5326762	44917.46	211.8	135554.41	596311	1055.7870 ng/ml
Diazepam	5.960	4810388	∞	87.0	13554.93	235172	963.4500 ng/ml
<del>Dihydrocodeine</del>	<del>2.545</del>	<del>3373320</del>	<del>39234.72</del>	<del>66.7</del>	<del>617.50</del>	<del>314144</del>	<del>689.8415 ng/ml*</del>
Diphenhydramine	5.296	27208873	1133.79	37.1	22391.19	1712644	947.7820 ng/ml
Doxylamine	4.543	38240798	208762.66	97.1	202600.63	1935426	868.4851 ng/ml
EDDP	5.254	15592206	122155.12	41.4	11094.86	769083	1039.9707 ng/ml
<del>Etizolam</del>	<del>5.813</del>	<del>4380302</del>	<del>758.51</del>	<del>25.3</del>	<del>4571.88</del>	<del>67685</del>	<del>1388.3958 ng/ml*</del>
Fentanyl	5.103	1452471	417583.55	70.2	1078.60	665185	102.3491 ng/ml
Flualprazolam	5.705	2469223	20416.93	100.9	116935.08	227019	880.1326 ng/ml
Fluoxetine	5.707	2172129	49116.73	8.6	213869.06	94478	1000.6013 ng/ml
Hydrocodone	3.012	5903537	∞	39.2	∞	845141	899.4026 ng/ml
Hydromorphone	1.601	5028198	15934015.56	76.1	17697327.86	9072	935.1325 ng/ml
Ketamine	4.051	12605578	274406.94	36.5	28043.04	672549	913.9477 ng/ml
<del>Lamotrigine</del>	<del>4.287</del>	<del>484600</del>	<del>13984.38</del>	<del>79.5</del>	<del>10761.39</del>	<del>672549</del>	<del>441.2563 ng/ml*</del>

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.683	4466380	8142.63	167.3	1494.08	1078909	1127.2569 ng/ml
<del>Lorazepam</del>	<del>5.747</del>	<del>1697057</del>	<del>47663.62</del>	<del>55.9</del>	<del>19305.34</del>	<del>67685</del>	<del>378.7809 ng/ml*</del>
MDA	3.189	10105898	90730.94	21.9	2876.97	383520	737.3094 ng/ml*
MDMA	3.290	12445447	943410.90	76.9	2680.42	109628	1047.0590 ng/ml
<del>Meprobamate</del>	<del>4.911</del>	<del>1328633</del>	<del>∞</del>	<del>28.2</del>	<del>6047.80</del>	<del>197317</del>	<del>322.4474 ng/ml*</del>
Methadone	5.653	21332833	281191.60	54.8	93404.91	1079333	908.8843 ng/ml
<del>Methamphetamine</del>	<del>3.224</del>	<del>20333908</del>	<del>117360.88</del>	<del>37.1</del>	<del>83436.53</del>	<del>1233550</del>	<del>696.9001 ng/ml*</del>
Metoprolol	4.326	2472252	130508.19	90.8	5134.84	1427249	822.0362 ng/ml
<del>Mirtazapine</del>	<del>4.631</del>	<del>25059653</del>	<del>186093.11</del>	<del>52.7</del>	<del>171979.33</del>	<del>776967</del>	<del>1527.8551 ng/ml*</del>
Mitragynine	5.230	2879532	5770.05	40.1	6122.00	1079333	943.3176 ng/ml
Morphine	1.240	701717	2143.04	32.8	12602.69	9072	913.6676 ng/ml
Norbuprenorphine	4.986	61983	298.40	98.2	321.17	29340	100.4098 ng/ml
Nordiazepam	5.900	3590276	755.82	56.4	1679.32	128821	962.6455 ng/ml
Norfentanyl	4.079	2465542	257375.03	33.3	13635.49	883980	110.1160 ng/ml
Norhydrocodone	3.053	696610	1290.19	45.5	917.71	57386	1015.3897 ng/ml
Noroxycodone	2.903	4049183	1924.59	41.8	54169.31	134799	1005.8984 ng/ml
O-desmethyl-tramadol	3.369	24835217	821757.51	7.3	87646.82	1593377	928.0728 ng/ml
Oxazepam	5.749	2202919	12792.01	72.3	5039.41	101665	898.2303 ng/ml
Oxycodone	2.827	14405042	4510.20	26.2	1095.21	667561	948.8010 ng/ml
Oxymorphone	1.391	5068219	283.46	41.9	219.01	193156	956.5484 ng/ml
<del>Phentermine</del>	<del>3.783</del>	<del>4765015</del>	<del>18007.35</del>	<del>4.1</del>	<del>2377.97</del>	<del>929279</del>	<del>663.3770 ng/ml*</del>
Promethazine	5.532	15244165	179521.47	28.7	42196.16	651990	1002.5436 ng/ml
Pseudoephedrine	2.596	24895299	996341.99	16.0	101989.73	1078909	1039.2109 ng/ml
Quetiapine	5.555	14168680	697173.76	60.8	108571.82	230748	895.5650 ng/ml
Sertraline	5.769	549510	23129.14	100.7	25899.13	28388	948.5216 ng/ml
Temazepam	5.830	7379858	28043.62	28.5	18644.04	319896	1065.6526 ng/ml
Tramadol	4.239	22723123	716.52	3.9	640.00	1427249	823.1058 ng/ml
Trazodone	5.163	18331790	892849.84	82.6	284371.17	958986	840.9799 ng/ml
Venlafaxine	5.043	25439609	140714.05	41.7	2677.96	1270776	994.7616 ng/ml
<del>Zolpidem</del>	<del>4.914</del>	<del>24451502</del>	<del>316083.21</del>	<del>33.4</del>	<del>119041.68</del>	<del>1753097</del>	<del>710.7099 ng/ml*</del>

\*Outside curve range



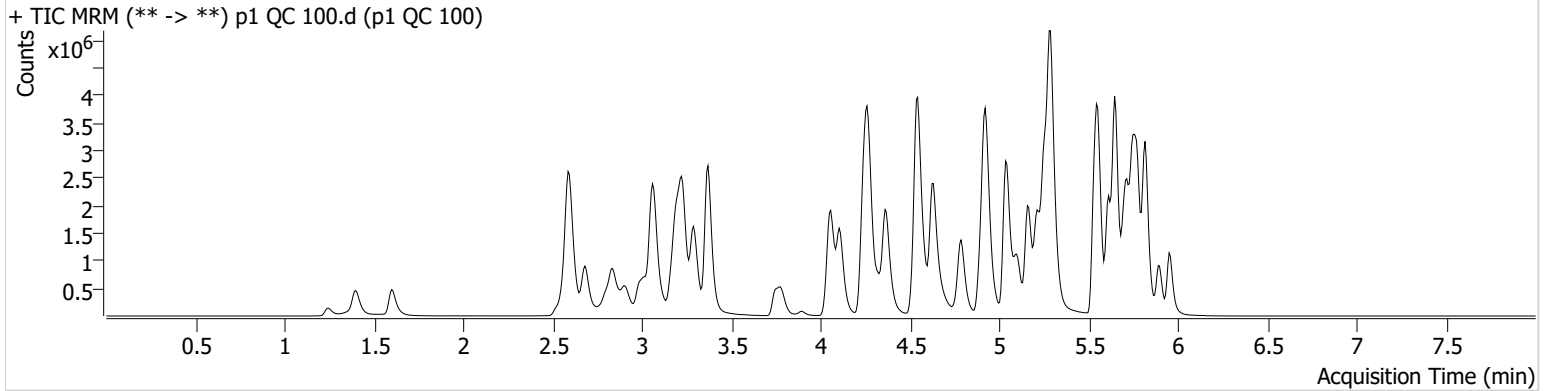
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/23/2021 7:34:04 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	53606	101243.24	70.0	4034.43	128184	10.1234 ng/ml
7-aminoclonazepam	4.271	866331	13747.69	80.1	14702.58	308807	103.0345 ng/ml
a-hydroxyalprazolam	5.692	434042	2676.08	58.5	709.90	553431	95.2952 ng/ml
alpha-PHP	4.937	734860	32521.37	270.2	62767.28	1174022	112.6723 ng/ml
alpha-PVP	4.370	2740940	1183.90	52.0	1123.00	1174022	101.0311 ng/ml
Alprazolam	5.775	1627140	∞	110.8	1212.06	553431	103.1083 ng/ml
Amphetamine	3.063	4830143	4866.82	48.7	801.60	523002	102.5161 ng/ml
Benzoylecgonine	3.892	82249	4321.34	7.7	249.69	30747	102.6186 ng/ml
Buprenorphine	5.819	63442	4028.77	14.8	16143.45	230106	11.0078 ng/ml
Bupropion	4.788	2071337	29387.36	59.9	1375.78	690973	104.5167 ng/ml
Carisoprodol	5.724	1400373	142877.68	53.5	348.26	661072	101.3525 ng/ml
Citalopram	5.212	2349012	990.22	42.6	916.57	1037842	101.3597 ng/ml
Clonazepam	5.612	1741589	63017.97	32.3	3383.80	210110	101.1519 ng/ml
Clonazepam	5.555	1217639	1465965.00	38.4	33629.87	210110	104.8058 ng/ml
Cocaine	4.264	2206543	1924.28	51.1	149517.92	1964980	102.5303 ng/ml
Codeine	2.580	239922	4022.25	101.3	5892.88	122538	107.4634 ng/ml
Cyclobenzaprine	5.615	1562691	53284.66	8.8	4986.91	606268	103.2515 ng/ml
Dextromethorphan	5.262	1342443	2234.34	80.2	1432.49	625108	101.0539 ng/ml
Dextrophan	4.111	867565	965.37	207.1	2439.40	1013024	101.3913 ng/ml
Diazepam	5.960	1073064	1154.50	85.8	721.31	493131	102.4312 ng/ml
Dihydrocodeine	2.559	665080	851.93	64.1	3486.39	393366	108.2419 ng/ml
Diphenhydramine	5.289	6049331	64566.36	32.3	19968.82	3556480	101.7645 ng/ml
Doxylamine	4.543	6110463	143894.25	98.4	186517.54	2540947	105.6304 ng/ml
EDDP	5.254	2323030	455.32	42.4	170216.11	1192686	100.1751 ng/ml
Etizolam	5.813	964691	540.56	26.5	2165.46	210110	98.9262 ng/ml
Fentanyl	5.103	218446	176.34	69.8	7184.25	1022998	10.0386 ng/ml
Flualprazolam	5.705	731530	22652.31	99.2	29694.01	553431	106.5714 ng/ml
Fluoxetine	5.700	992591	64253.80	8.8	35287.49	417309	103.2192 ng/ml
Hydrocodone	3.018	1004906	192.15	38.2	169.69	1178847	109.2567 ng/ml
Hydromorphone	1.601	869270	1292217.62	76.2	2763161.05	14241	102.8178 ng/ml
Ketamine	4.051	2057617	37073.29	38.3	1107.02	966374	103.4578 ng/ml
Lamotrigine	4.280	179138	1896.45	80.9	7850.27	966374	112.2868 ng/ml
Levetiracetam	2.683	865113	6316.17	164.6	13837.18	2243727	105.3233 ng/ml

# AM #28 Multi-Drug Quant. Results



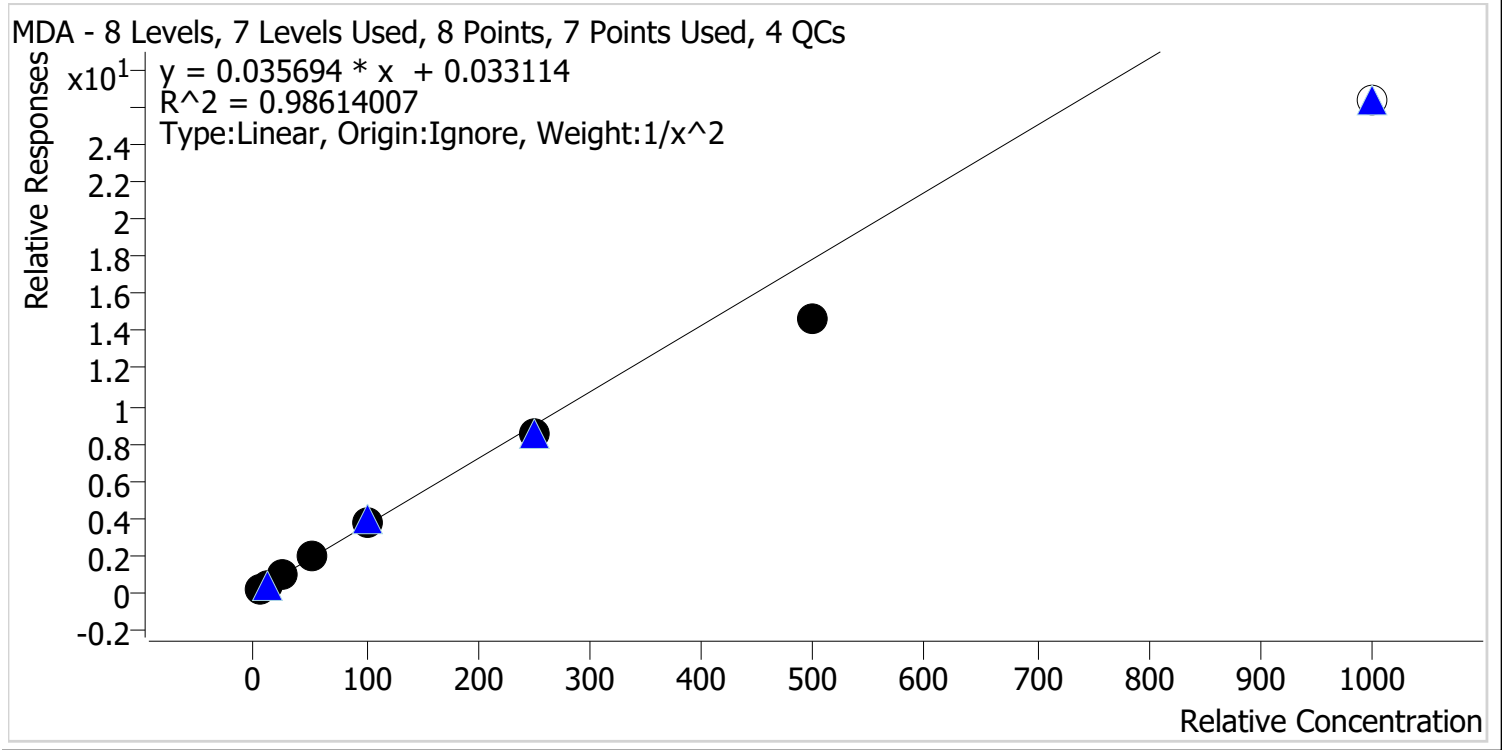
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1245486	17847.68	55.6	1121.70	210110	88.7601 ng/ml
MDA	3.196	3162799	14988.00	23.8	2271.73	807172	108.8502 ng/ml
MDMA	3.290	2304398	4544.66	75.6	16614.14	205657	103.5060 ng/ml
Meprobamate	4.917	764165	11593.01	27.8	558.07	393327	92.6530 ng/ml
Methadone	5.646	4514327	473200.34	45.2	752.18	1939329	107.0985 ng/ml
Methamphetamine	3.231	3910017	1670.54	37.8	4302.64	1539628	106.6100 ng/ml
Metoprolol	4.326	547134	14606.39	89.1	14345.30	2313627	111.6948 ng/ml
Mirtazapine	4.631	4200975	460652.05	48.6	153493.03	1174022	167.3717 ng/ml
Mitragynine	5.230	735900	56802.26	39.3	79262.07	1939329	133.2553 ng/ml
Morphine	1.247	121684	339.29	30.7	274.78	14241	100.8075 ng/ml
Norbuprenorphine	4.986	8476	115.16	93.6	7212.03	38509	10.2648 ng/ml
Nordiazepam	5.900	1011033	1384.09	58.0	1121.52	332416	104.8520 ng/ml
Norfentanyl	4.079	491338	28480.89	33.4	300.28	1996184	9.7764 ng/ml
Norhydrocodone	3.059	123335	243.75	41.2	145.84	110265	94.2504 ng/ml
Noroxycodone	2.903	1050093	8483.79	41.6	765.84	345279	101.9991 ng/ml
O-desmethyl-tramadol	3.369	4462076	2714.10	6.7	32608.40	2594378	102.5730 ng/ml
Oxazepam	5.749	1632442	4486.64	75.2	9862.83	661183	102.1836 ng/ml
Oxycodone	2.834	2217651	1197.21	26.7	808.53	931385	104.5086 ng/ml
Oxymorphone	1.398	939282	∞	42.9	875.01	324018	105.6185 ng/ml
Phentermine	3.783	1058209	2670.16	4.3	117.91	1260365	107.7919 ng/ml
Promethazine	5.532	3314617	928.68	27.9	1379.52	1350826	105.3514 ng/ml
Pseudoephedrine	2.596	4851302	10776.66	16.0	1709.07	2243727	97.8544 ng/ml
Quetiapine	5.548	2772986	93385.99	58.8	825408.98	369271	109.2375 ng/ml
Sertraline	5.769	245392	269.91	101.6	588.72	119343	101.0467 ng/ml
Temazepam	5.816	3249755	1019.71	28.7	622.86	1507434	100.0658 ng/ml
Tramadol	4.246	4722639	3645.55	3.6	384.57	2313627	105.1323 ng/ml
Trazodone	5.156	3058830	3570867.70	80.6	1001.43	1246808	107.6718 ng/ml
Venlafaxine	5.037	4317028	2213.72	39.3	1356.99	2081819	103.3426 ng/ml
Zolpidem	4.921	5011901	10688.99	30.6	63715.65	2409874	105.6478 ng/ml





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5



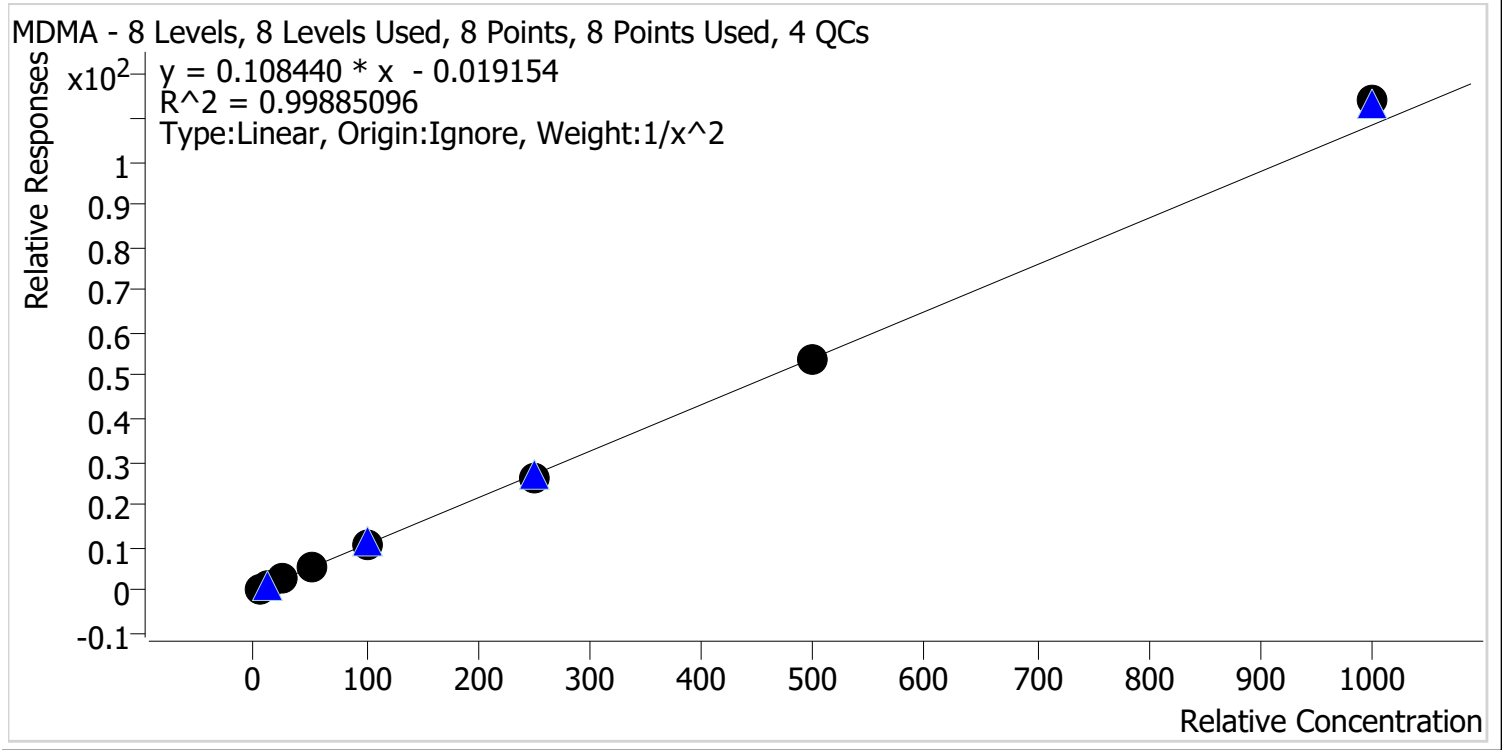
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng	4	✓	50.0	56.3	112.6
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	237.1	94.8
p1 Cal 7-500ng	7	✓	500.0	409.6	81.9
p1 Cal 8-1000ng	8	✗	1000.0	735.6	73.6

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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

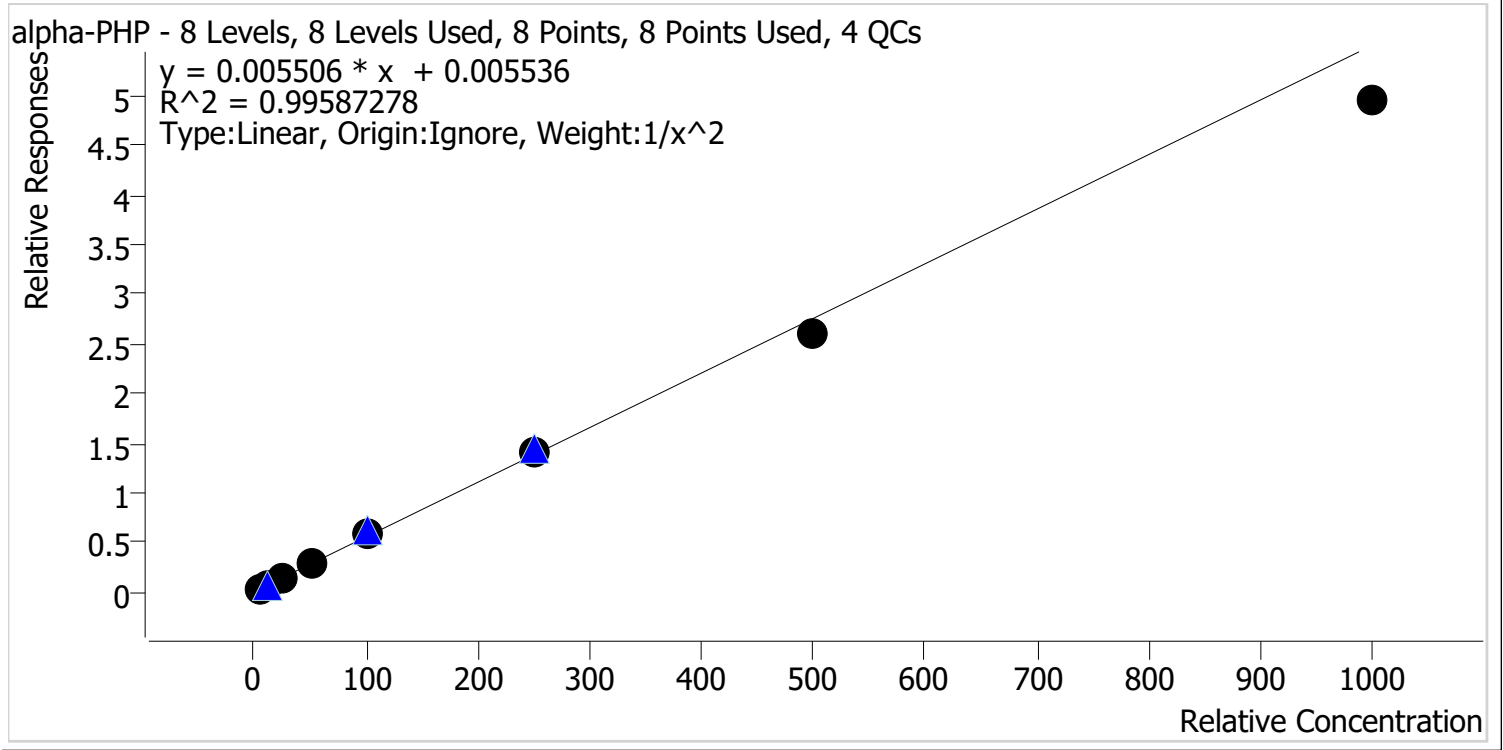


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	243.5	97.4
p1 Cal 7-500ng	7	✓	500.0	497.7	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1052.4	105.2



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

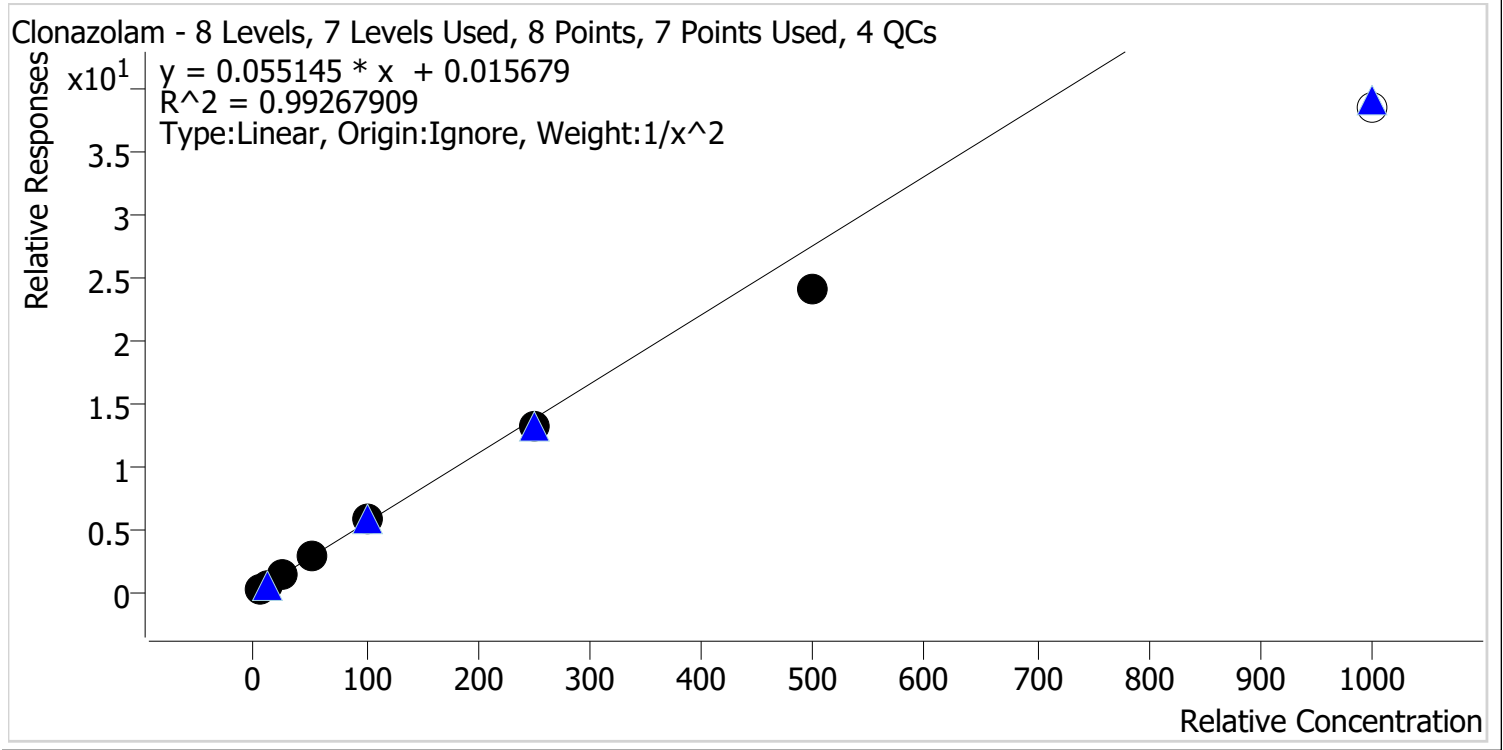


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	473.5	94.7
p1 Cal 8-1000ng	8	✓	1000.0	898.9	89.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



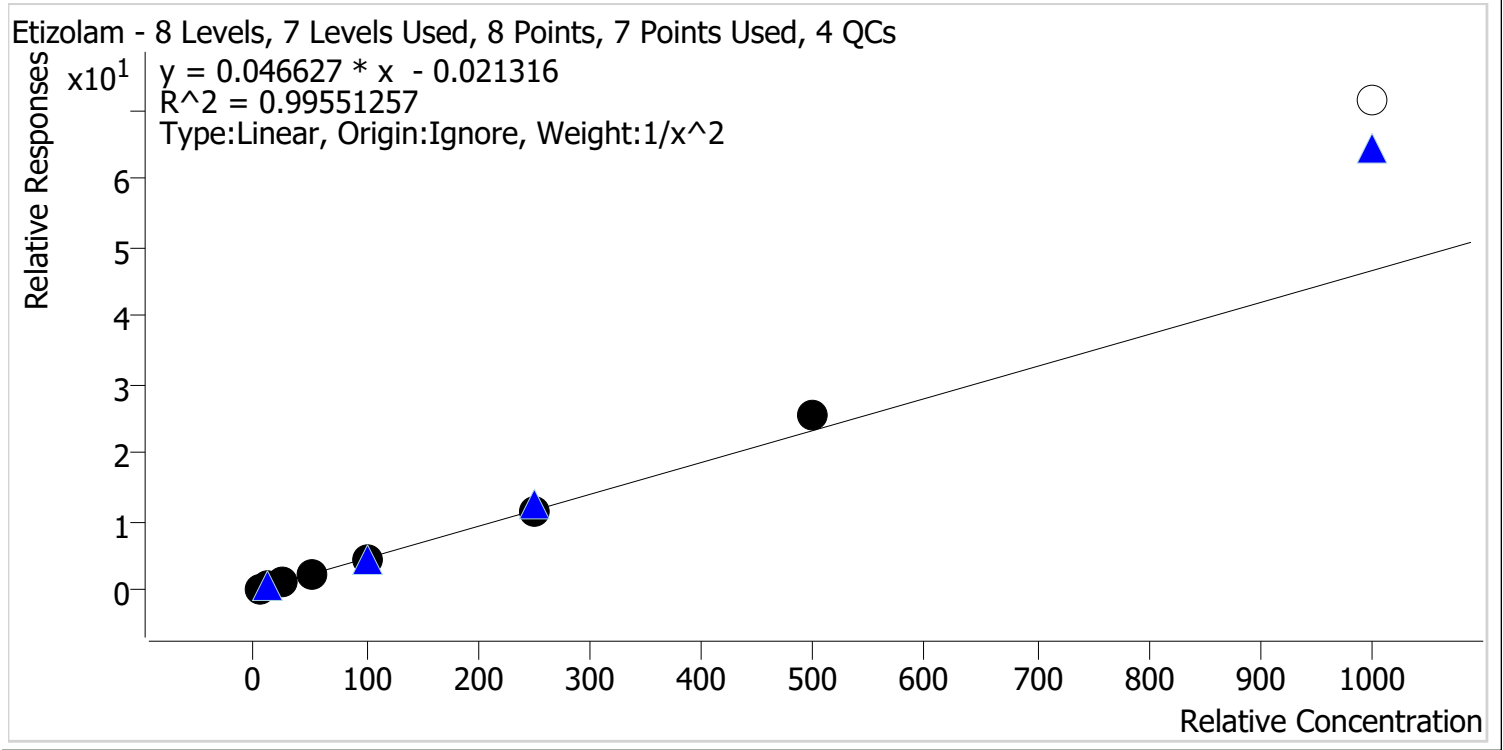
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	54.7	109.5
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	239.8	95.9
p1 Cal 7-500ng	7	✓	500.0	436.2	87.2
p1 Cal 8-1000ng	8	x	1000.0	698.5	69.8

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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4



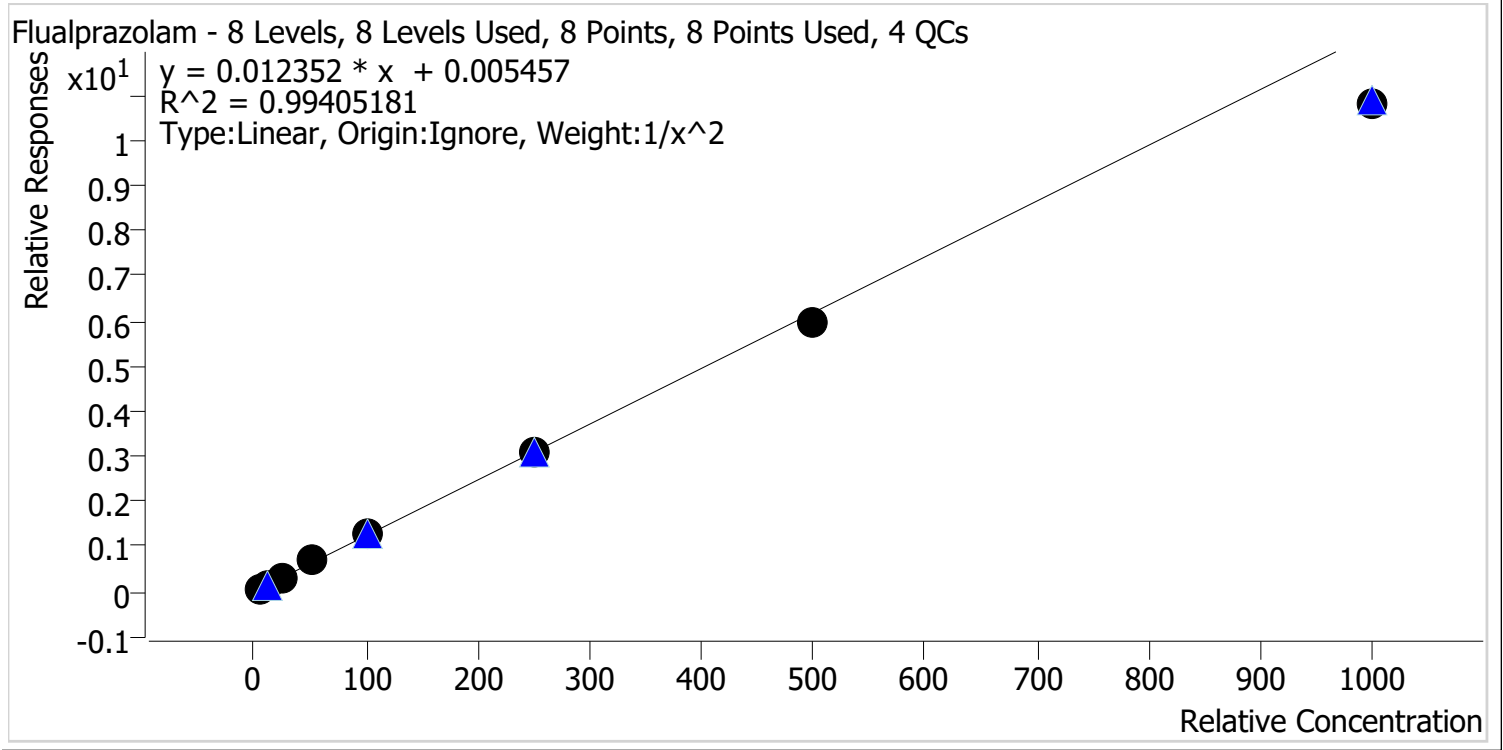
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	553.6	110.7
p1 Cal 8-1000ng	8	✗	1000.0	1531.5	153.2

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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5

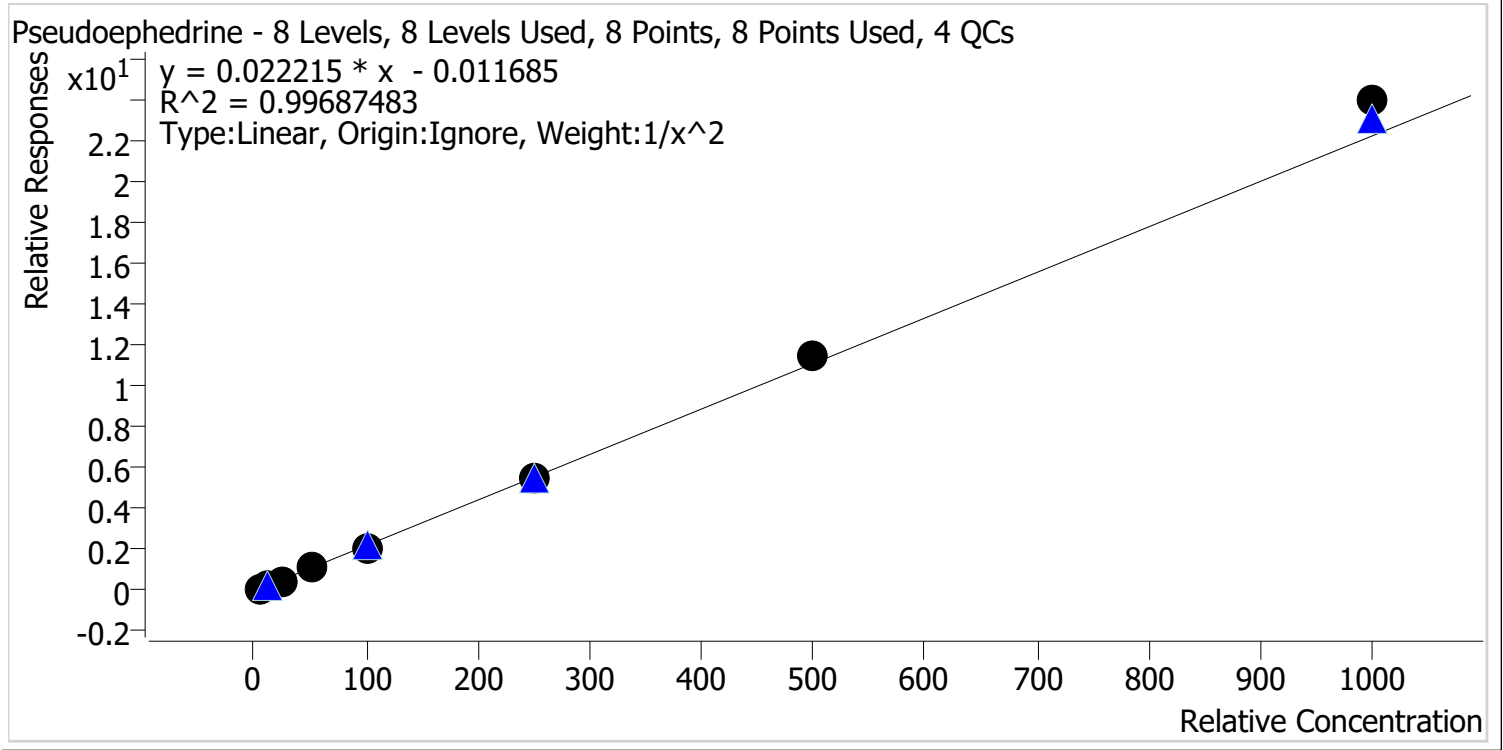


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	55.3	110.7
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	481.7	96.3
p1 Cal 8-1000ng	8	✓	1000.0	876.6	87.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

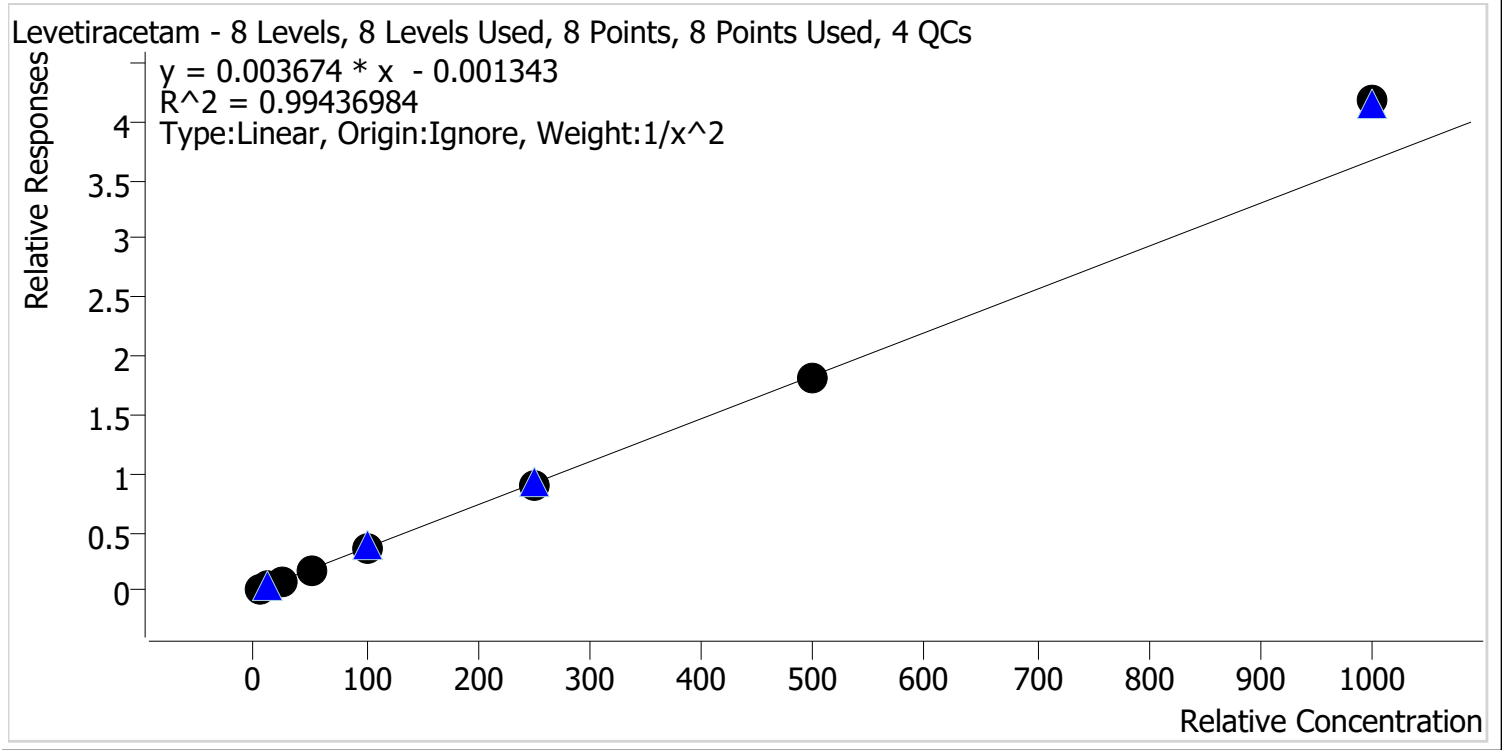


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.6
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	513.4	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1077.6	107.8



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3



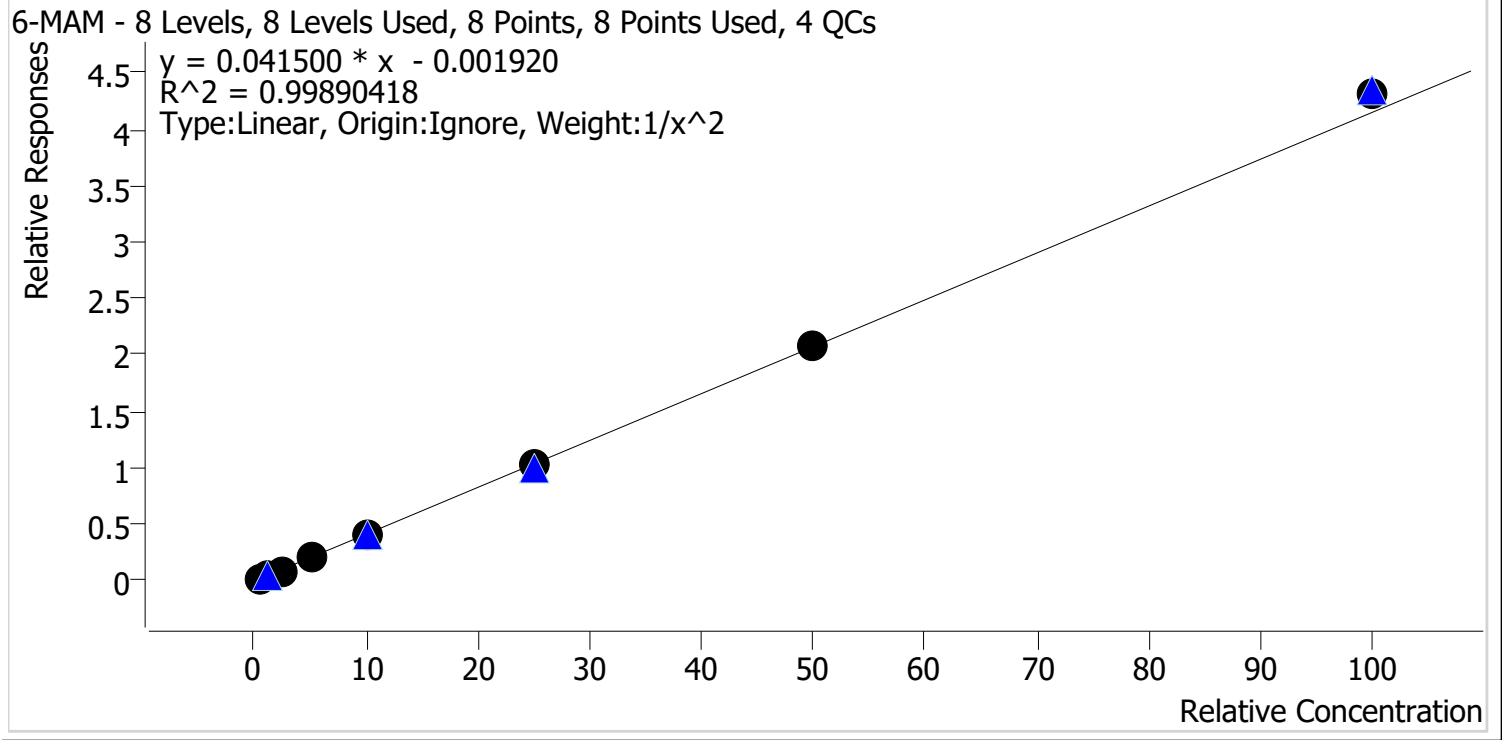
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	94.2	94.2
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	494.9	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1138.3	113.8





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6



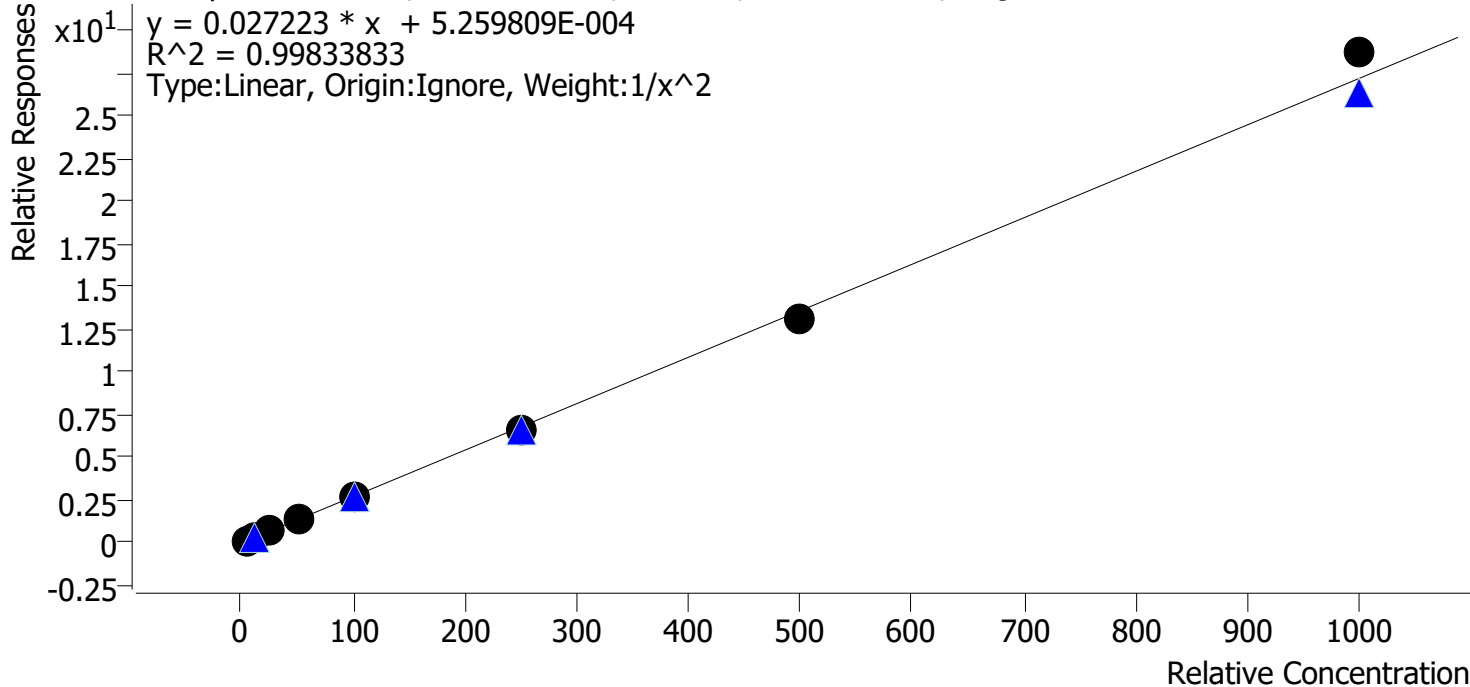
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.7
p1 Cal 2-10ng	2	✓	1.0	1.0	100.8
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.8
p1 Cal 4-50ng	4	✓	5.0	5.1	101.2
p1 Cal 5-100ng	5	✓	10.0	10.1	100.8
p1 Cal 6-250ng	6	✓	25.0	24.7	98.9
p1 Cal 7-500ng	7	✓	50.0	49.9	99.8
p1 Cal 8-1000ng	8	✓	100.0	103.9	103.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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

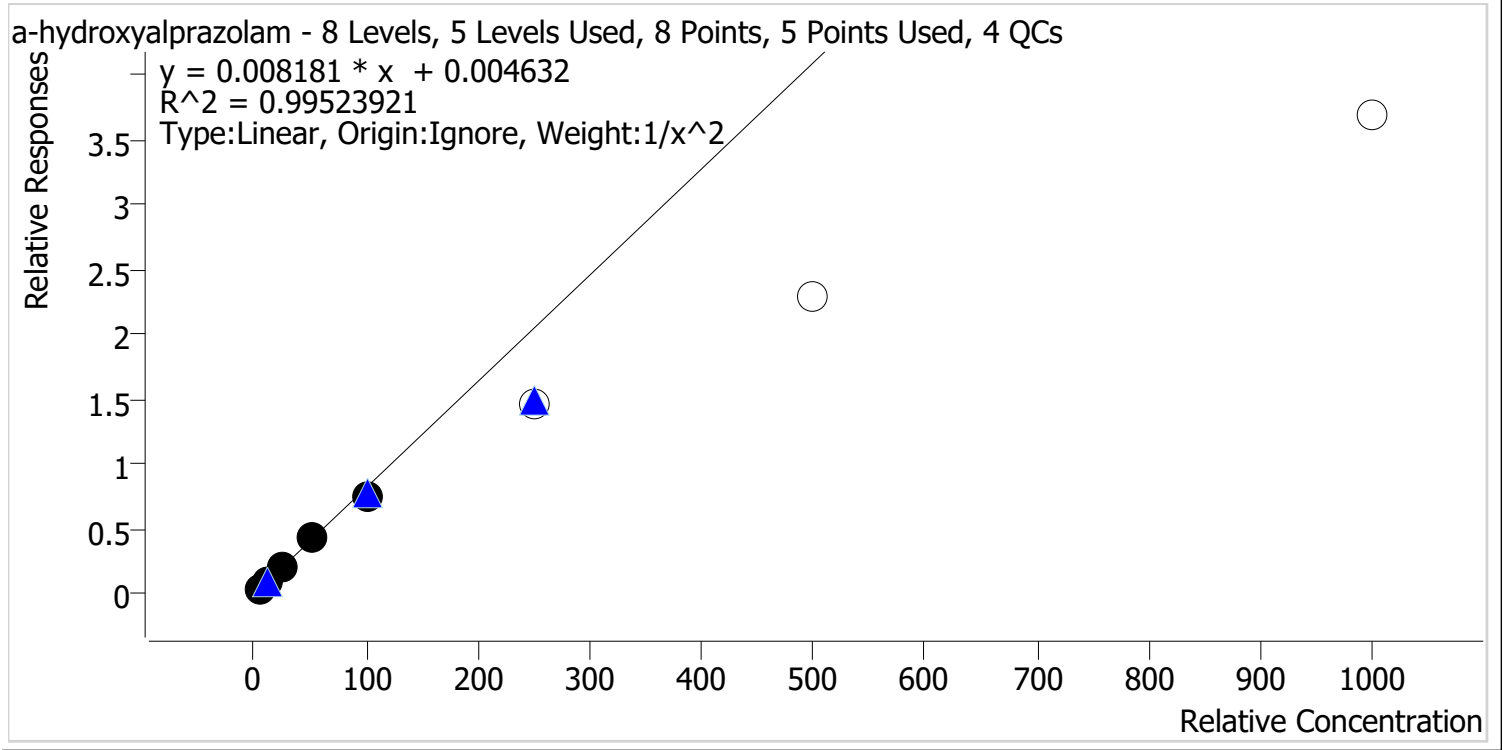


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	240.8	96.3
p1 Cal 7-500ng	7	✓	500.0	486.0	97.2
p1 Cal 8-1000ng	8	✓	1000.0	1055.6	105.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



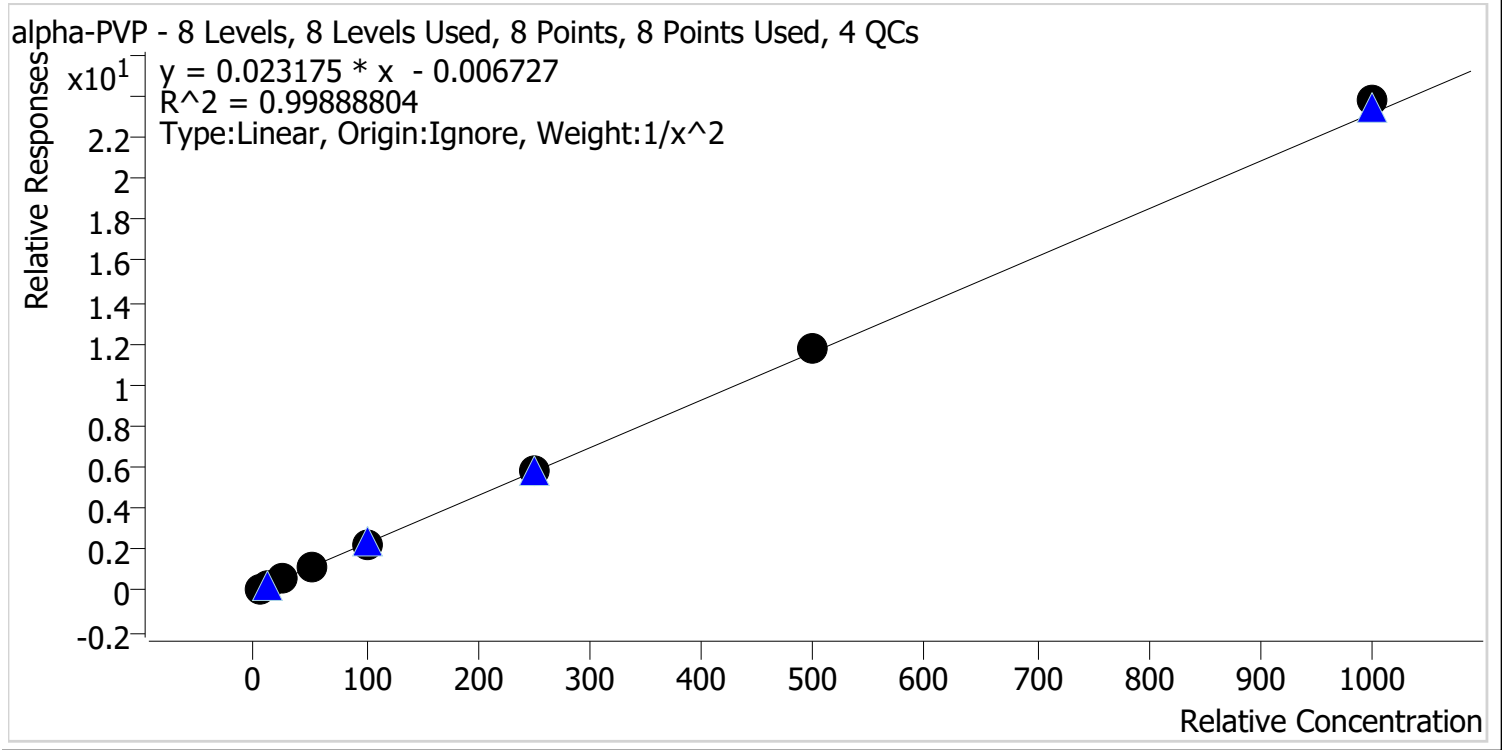
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	52.7	105.5
p1 Cal 5-100ng	5	✓	100.0	92.0	92.0
p1 Cal 6-250ng	6	✗	250.0	178.2	71.3
p1 Cal 7-500ng	7	✗	500.0	280.1	56.0
p1 Cal 8-1000ng	8	✗	1000.0	452.5	45.3

Calibrators 6, 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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

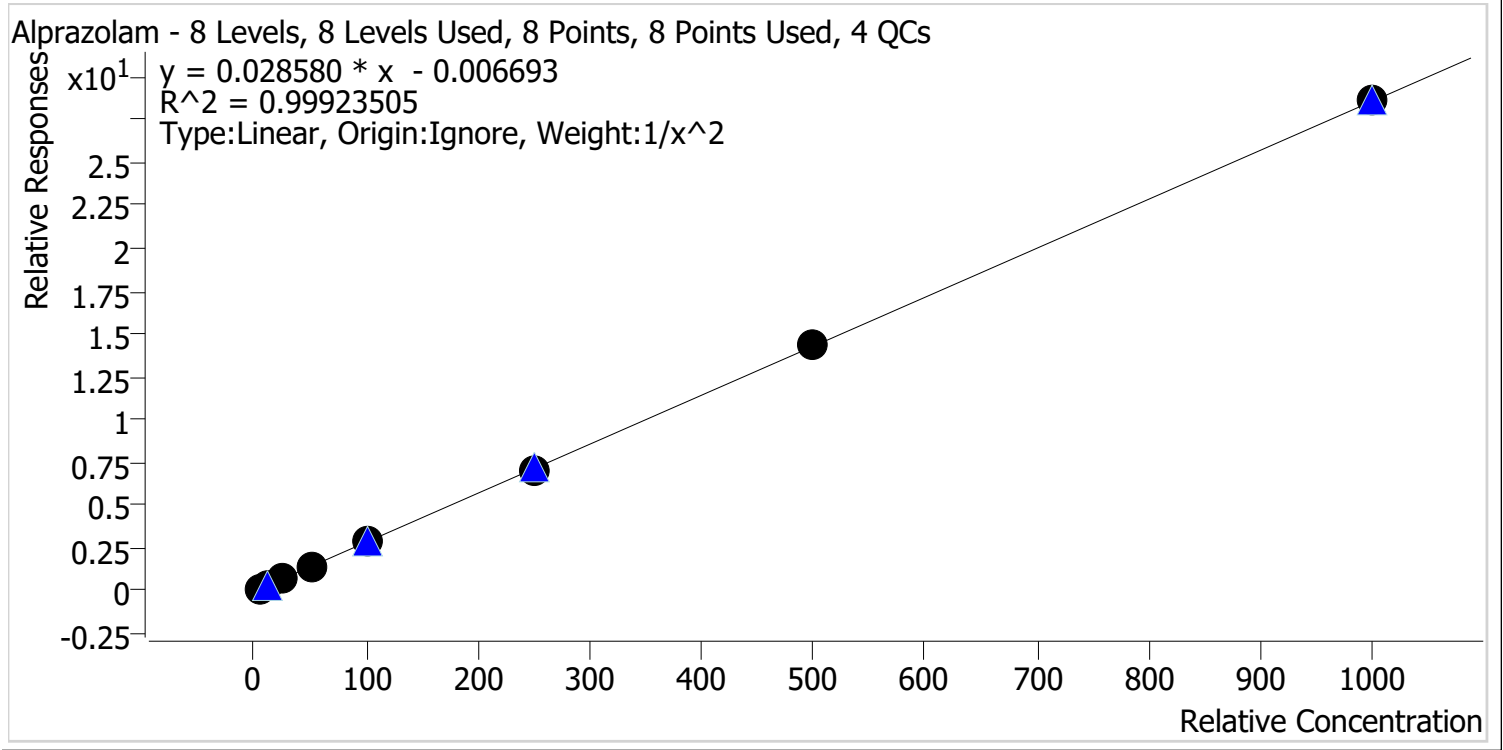


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	23.7	95.0
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	511.7	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1026.7	102.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

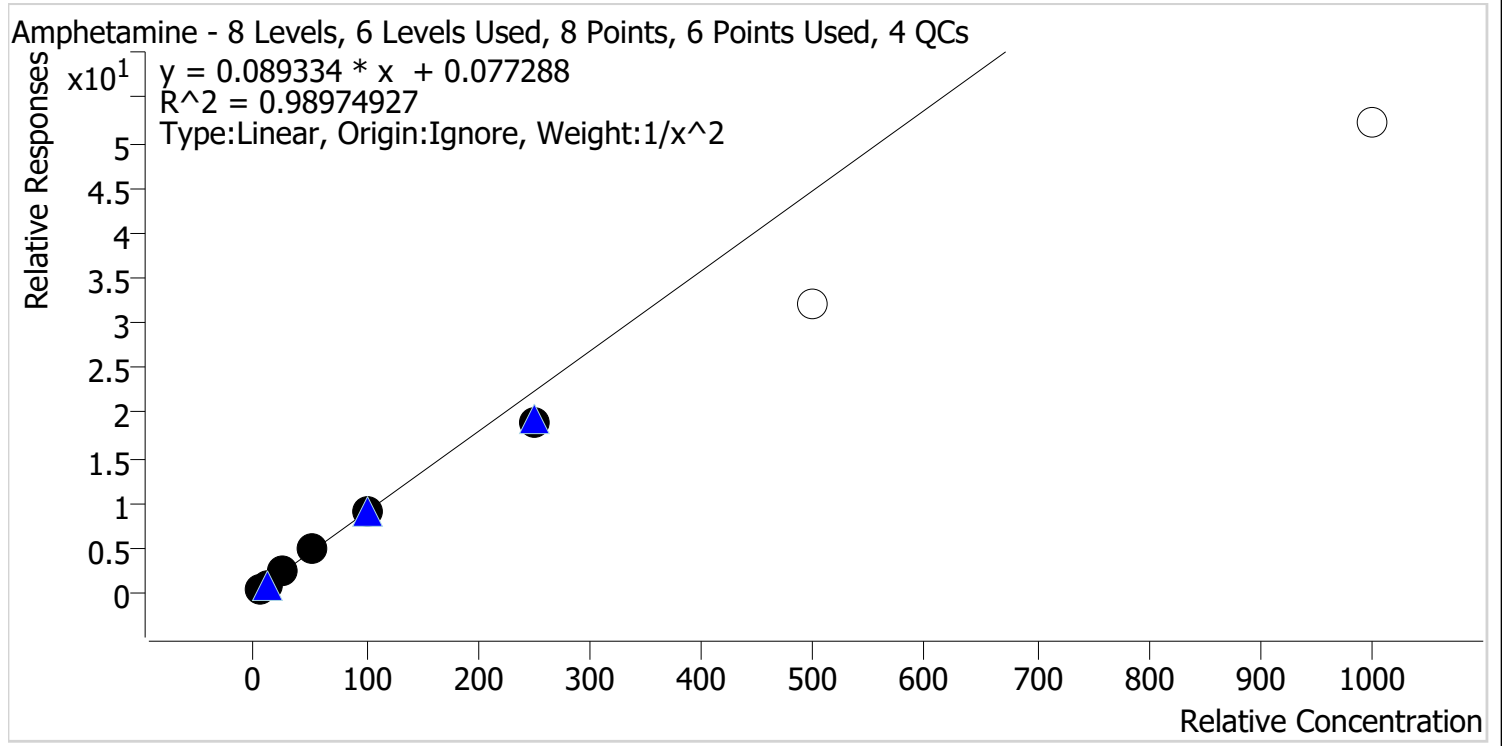


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	247.6	99.0
p1 Cal 7-500ng	7	✓	500.0	500.8	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1000.2	100.0



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	54.9	109.8
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	213.7	85.5
p1 Cal 7-500ng	7	x	500.0	357.6	71.5
p1 Cal 8-1000ng	8	x	1000.0	583.9	58.4

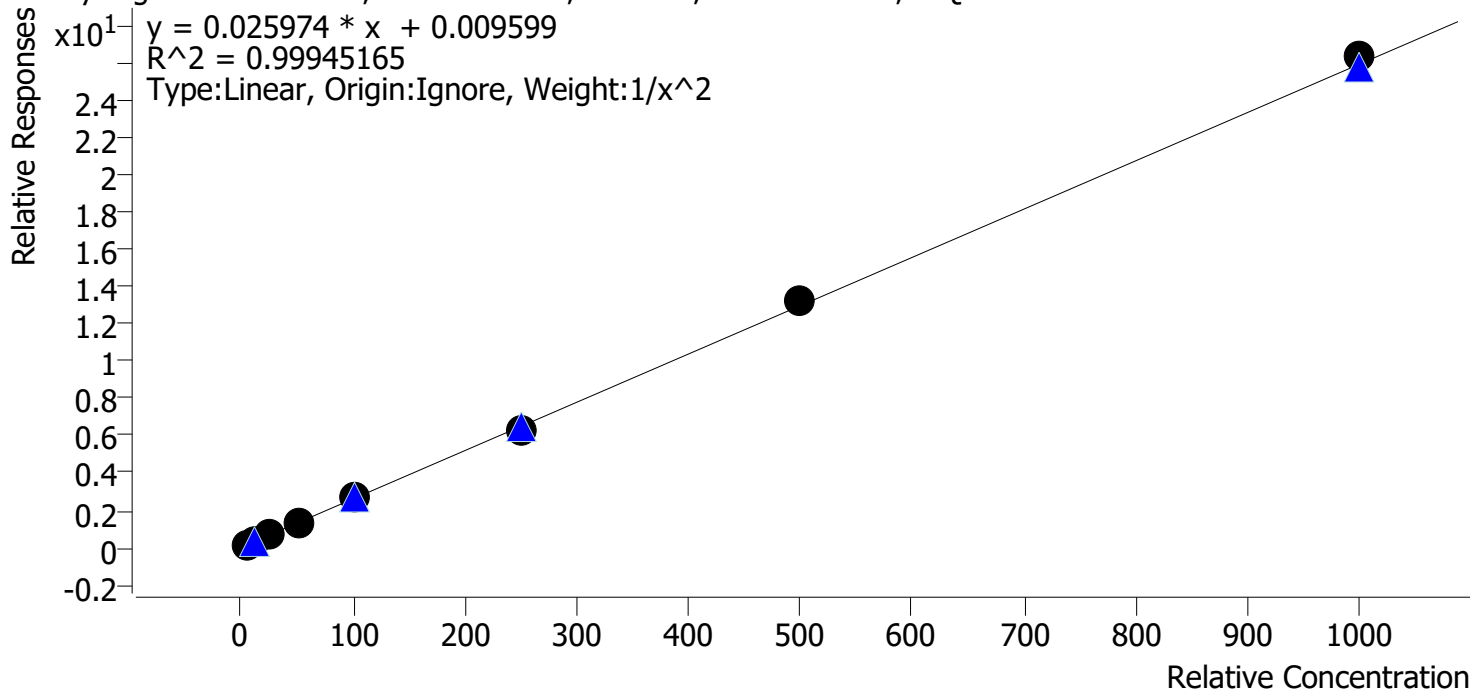
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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

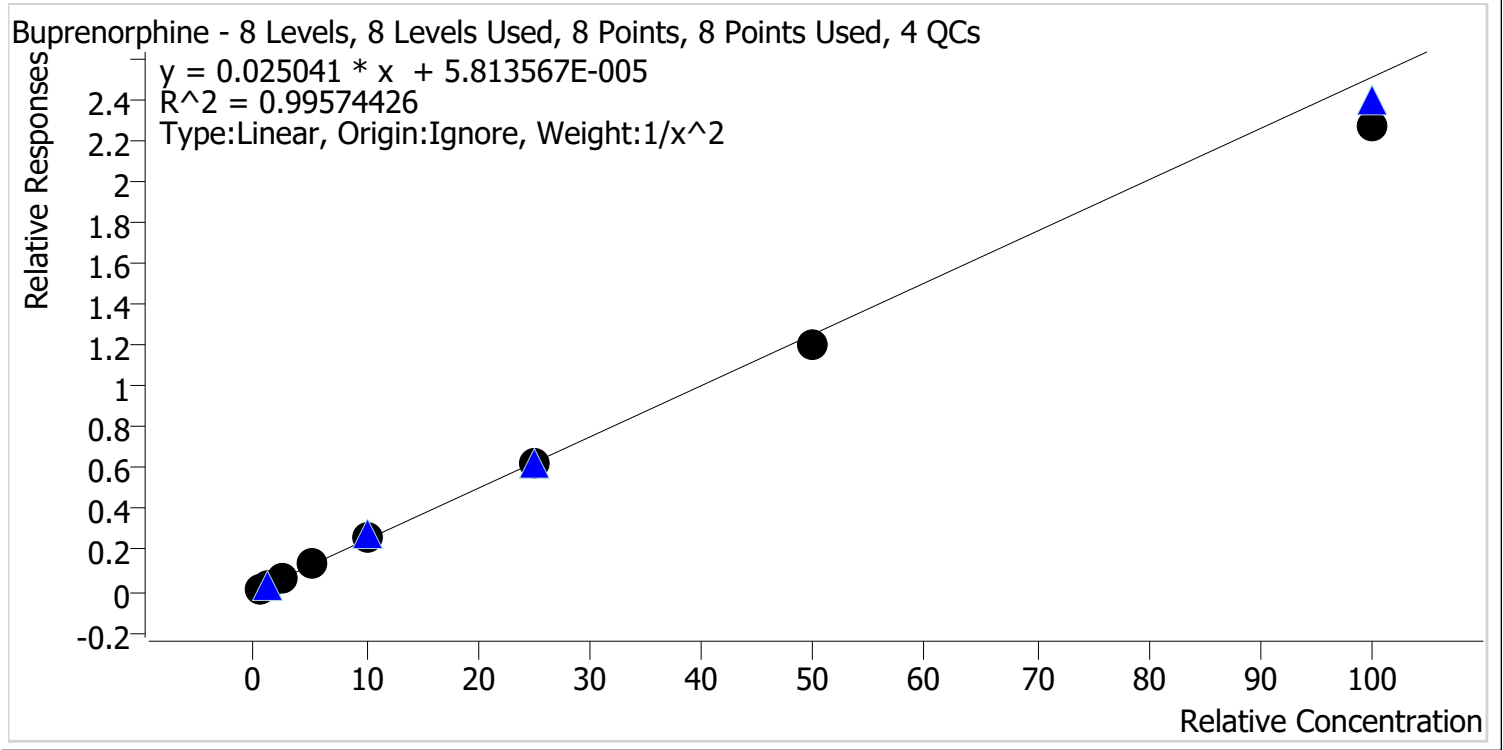


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	239.2	95.7
p1 Cal 7-500ng	7	✓	500.0	513.2	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1015.9	101.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



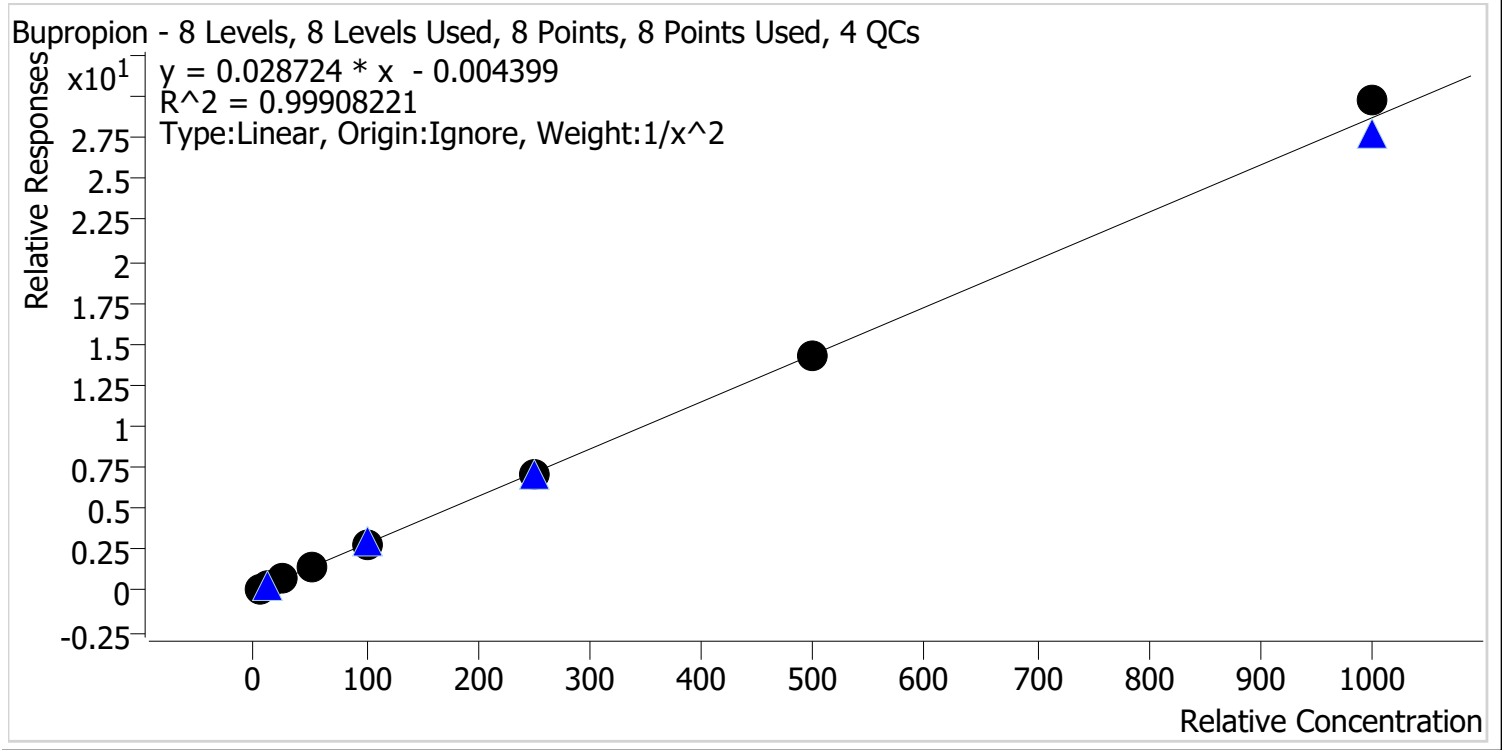
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.9
p1 Cal 2-10ng	2	✓	1.0	1.0	100.3
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.4
p1 Cal 4-50ng	4	✓	5.0	5.5	109.3
p1 Cal 5-100ng	5	✓	10.0	10.1	101.2
p1 Cal 6-250ng	6	✓	25.0	24.8	99.4
p1 Cal 7-500ng	7	✓	50.0	47.8	95.6
p1 Cal 8-1000ng	8	✓	100.0	90.9	90.9





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

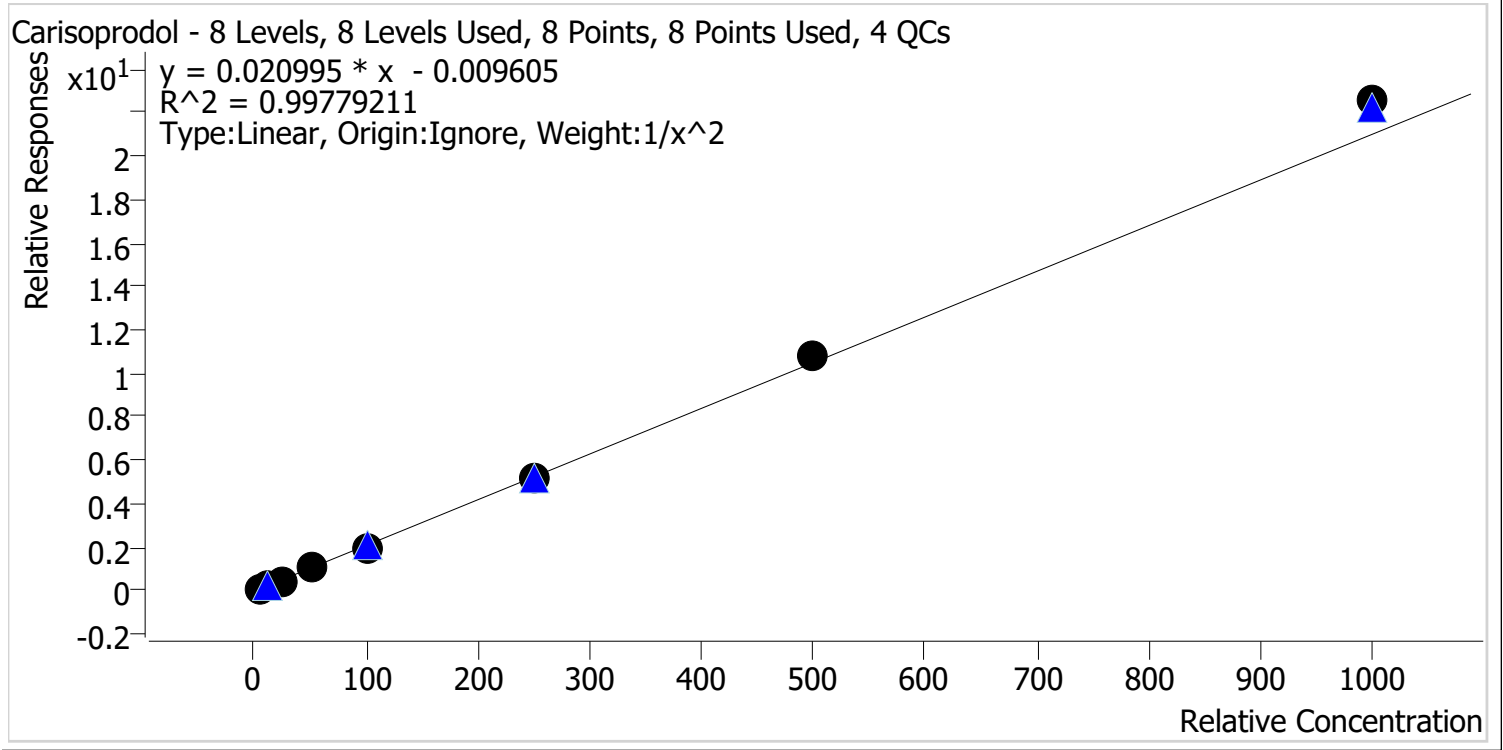


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	496.5	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1036.2	103.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

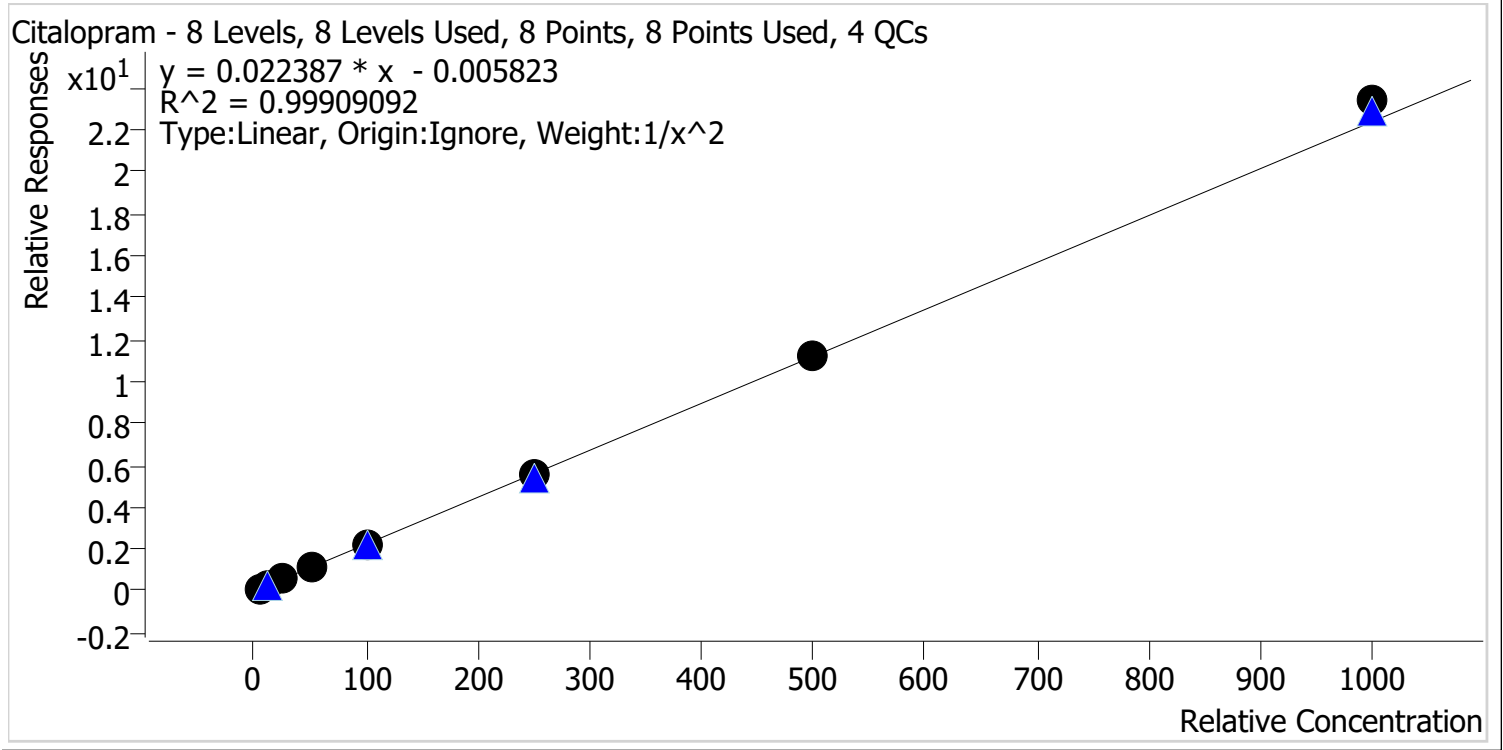


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	243.4	97.4
p1 Cal 7-500ng	7	✓	500.0	515.0	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1073.8	107.4



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

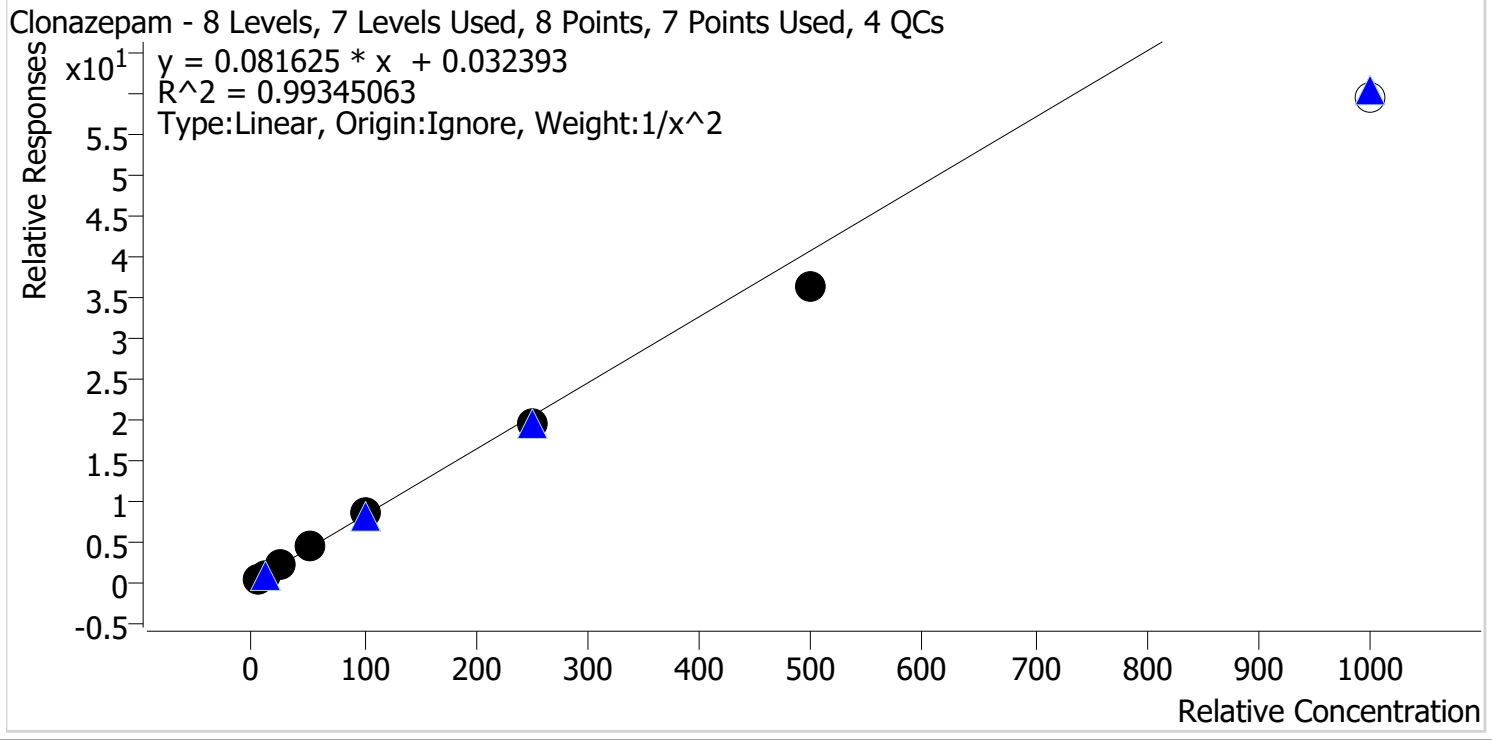


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	50.7	101.3
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	245.4	98.2
p1 Cal 7-500ng	7	✓	500.0	503.9	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1045.0	104.5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



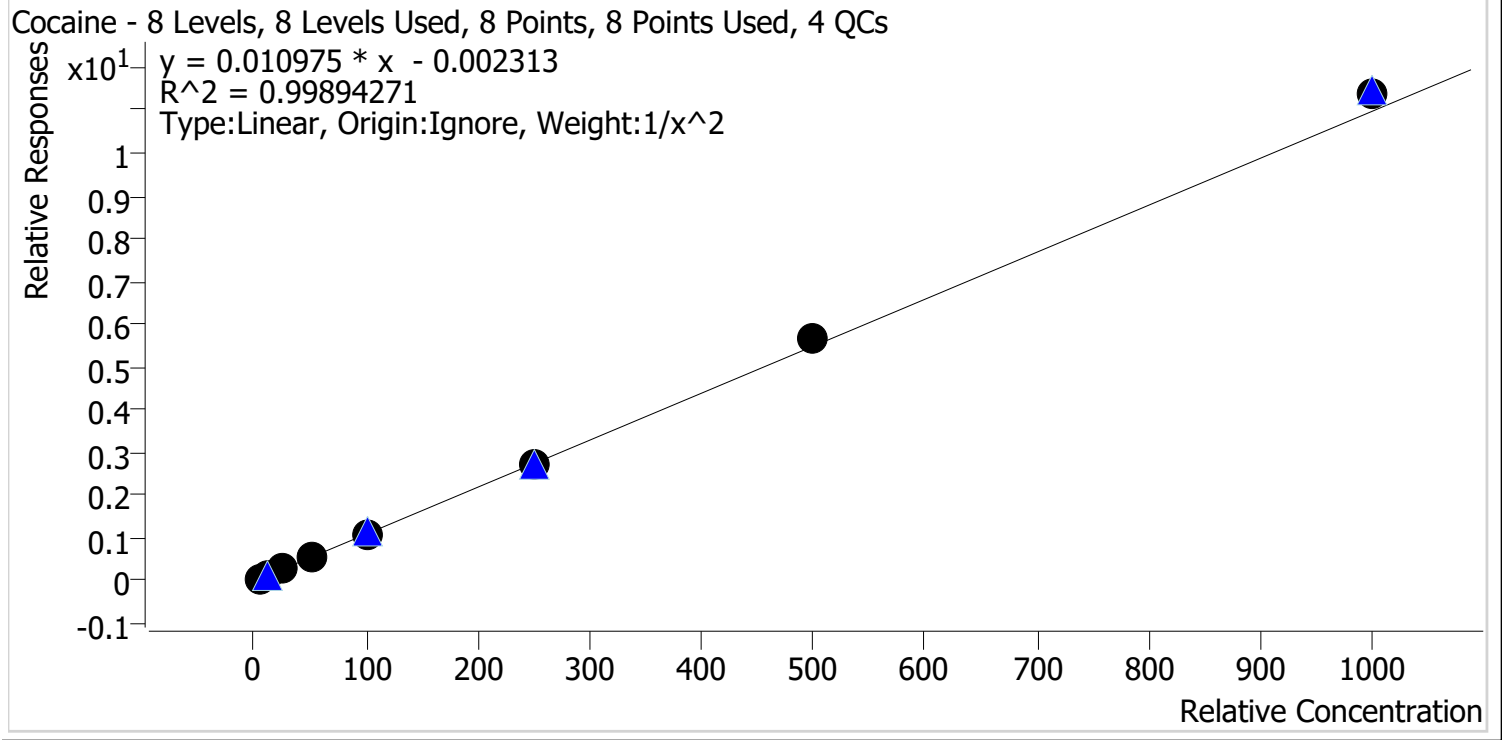
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	236.9	94.8
p1 Cal 7-500ng	7	✓	500.0	445.1	89.0
p1 Cal 8-1000ng	8	✗	1000.0	730.0	73.0

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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

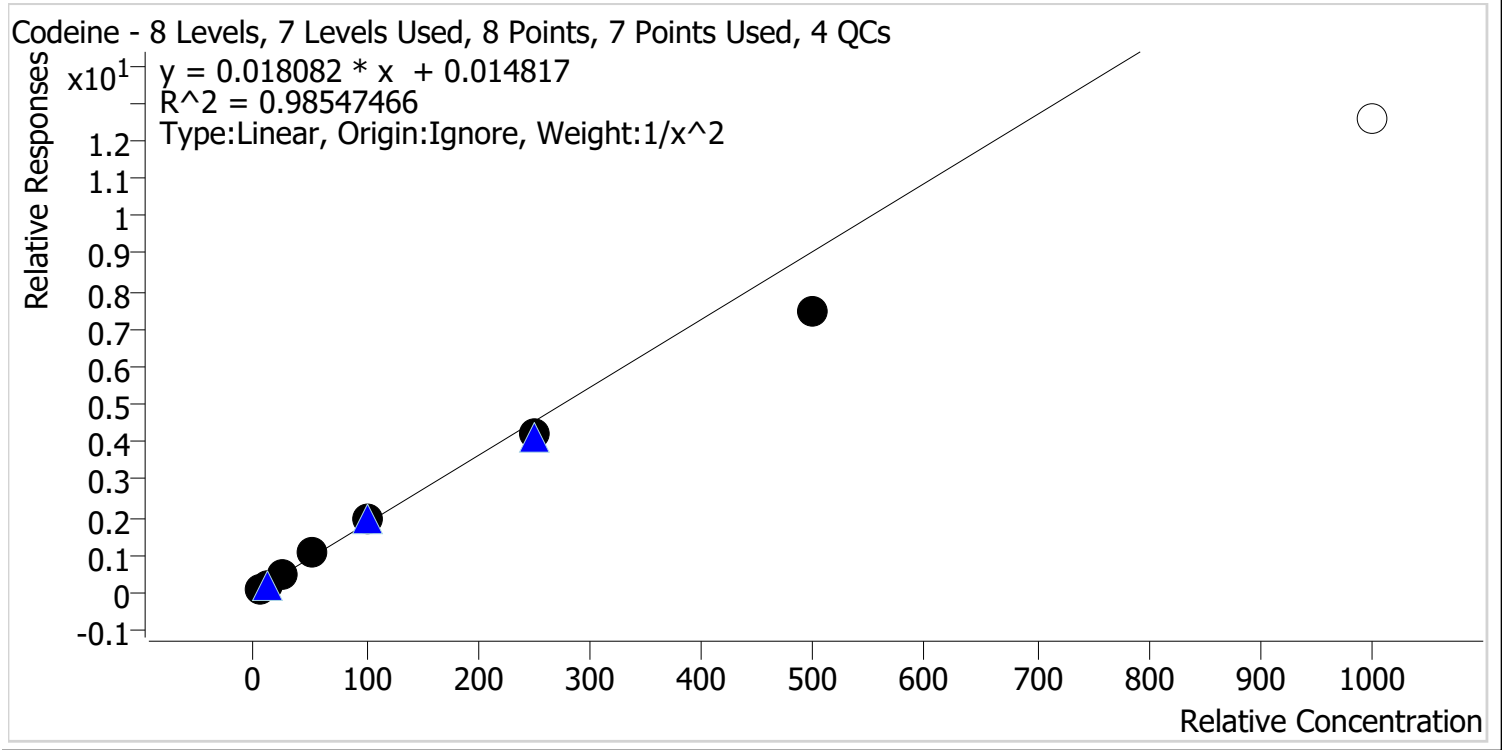


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	513.1	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1037.0	103.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



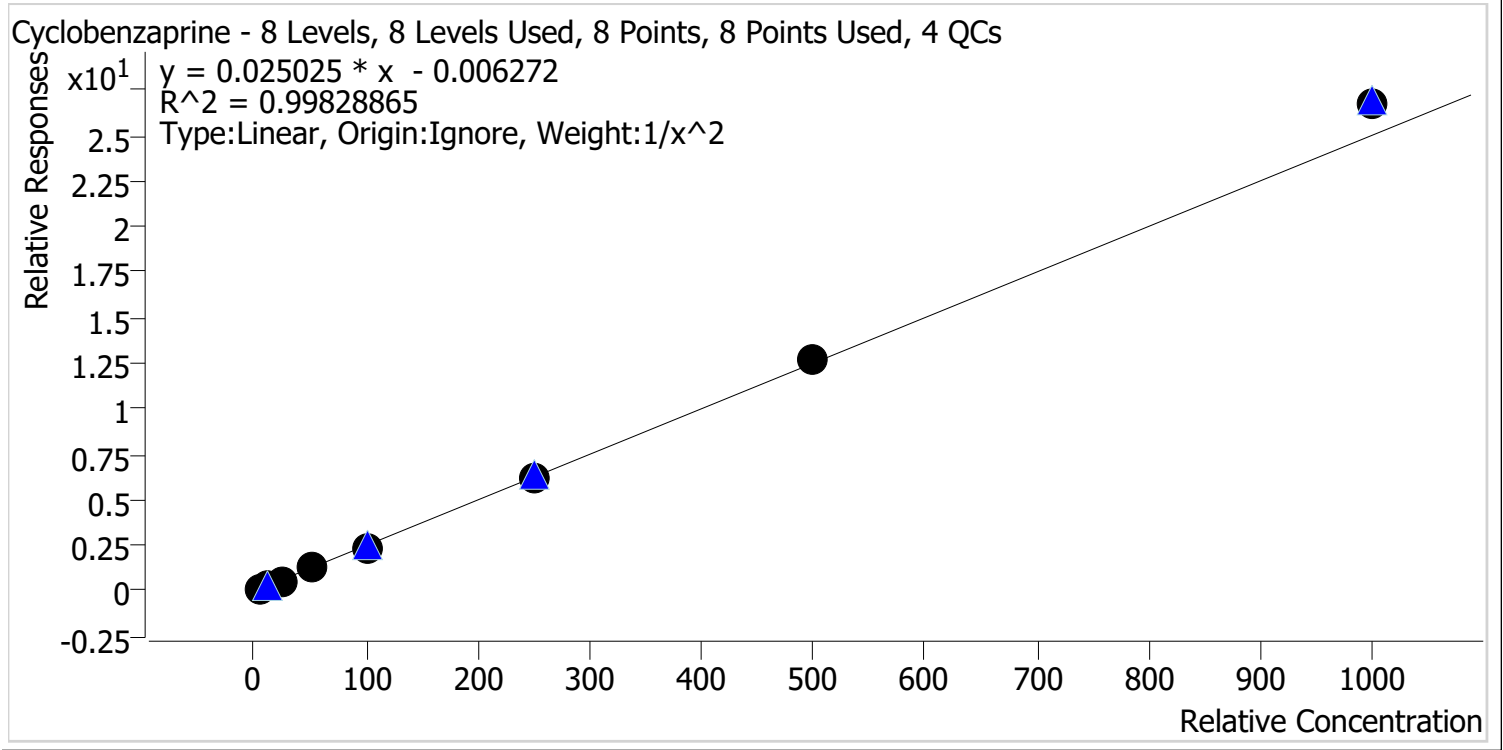
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	57.1	114.2
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	232.9	93.1
p1 Cal 7-500ng	7	✓	500.0	413.6	82.7
p1 Cal 8-1000ng	8	✗	1000.0	693.1	69.3

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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

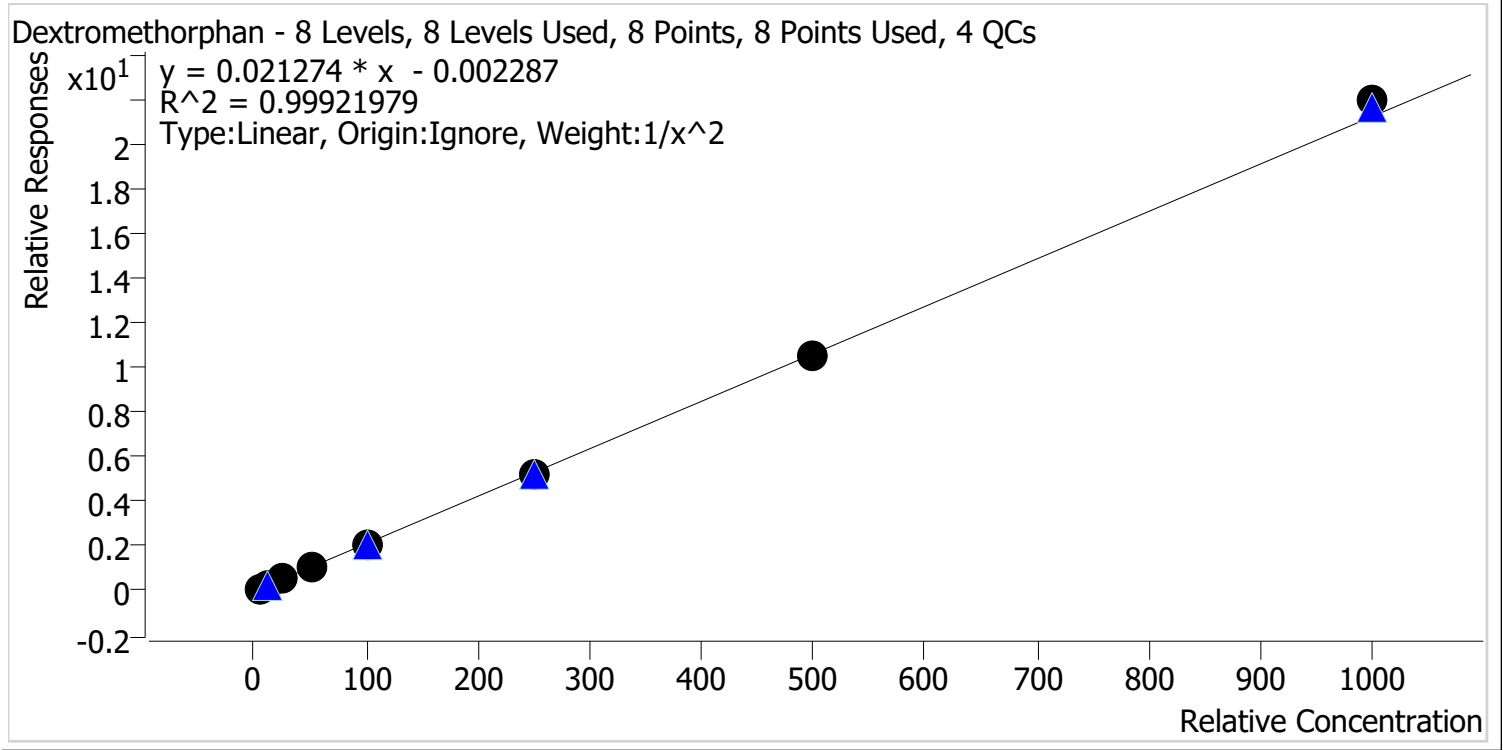


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	249.4	99.7
p1 Cal 7-500ng	7	✓	500.0	508.9	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1067.0	106.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	244.6	97.8
p1 Cal 7-500ng	7	✓	500.0	497.5	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1033.7	103.4

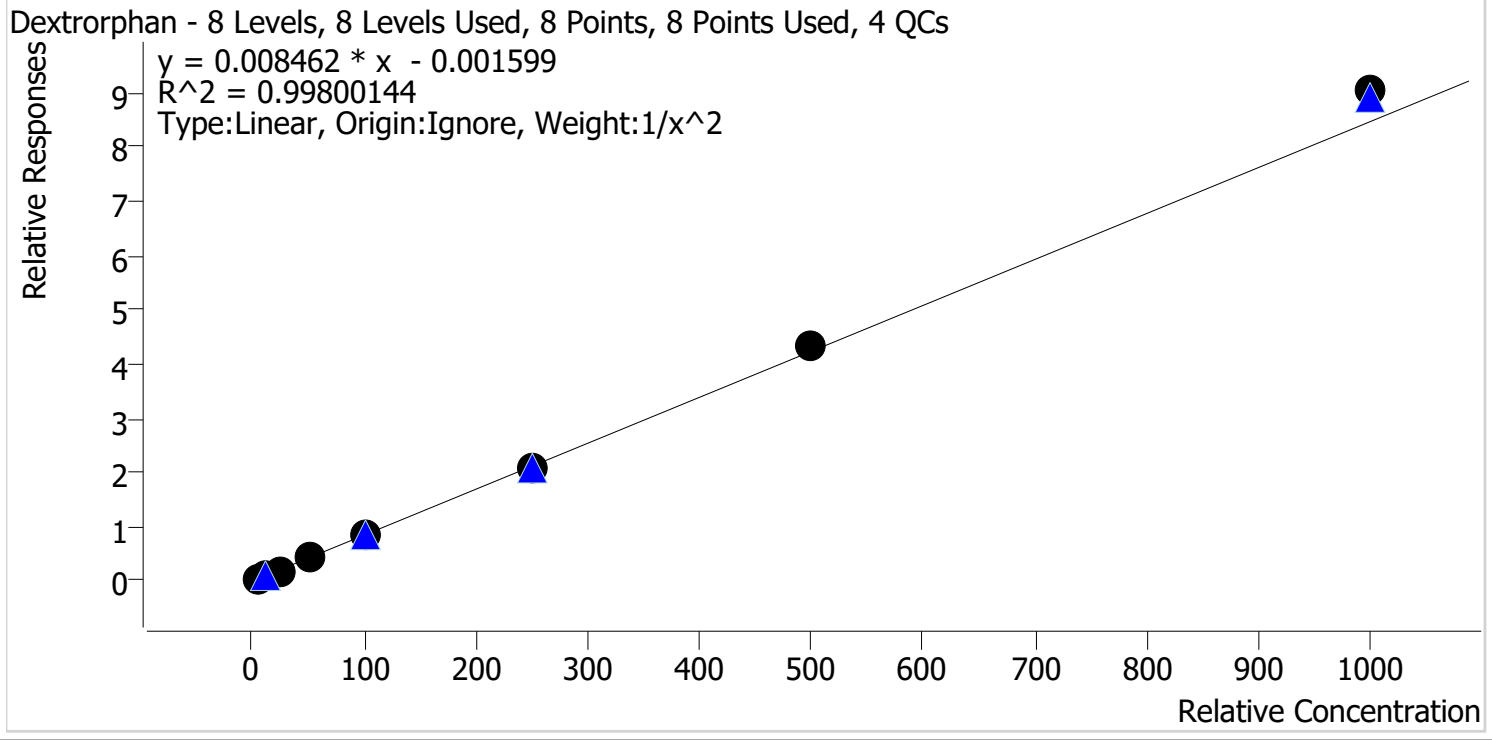


cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

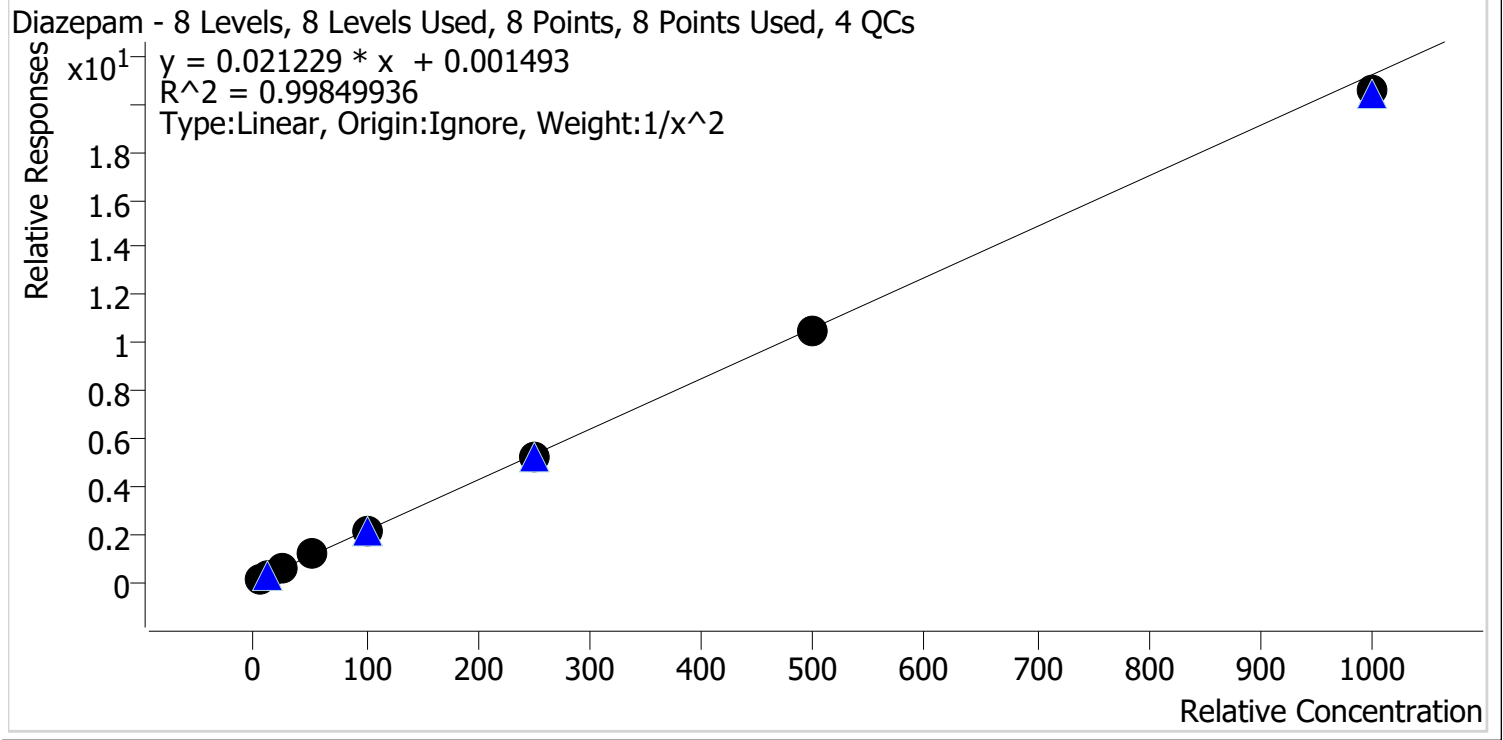


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	508.2	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1067.6	106.8



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

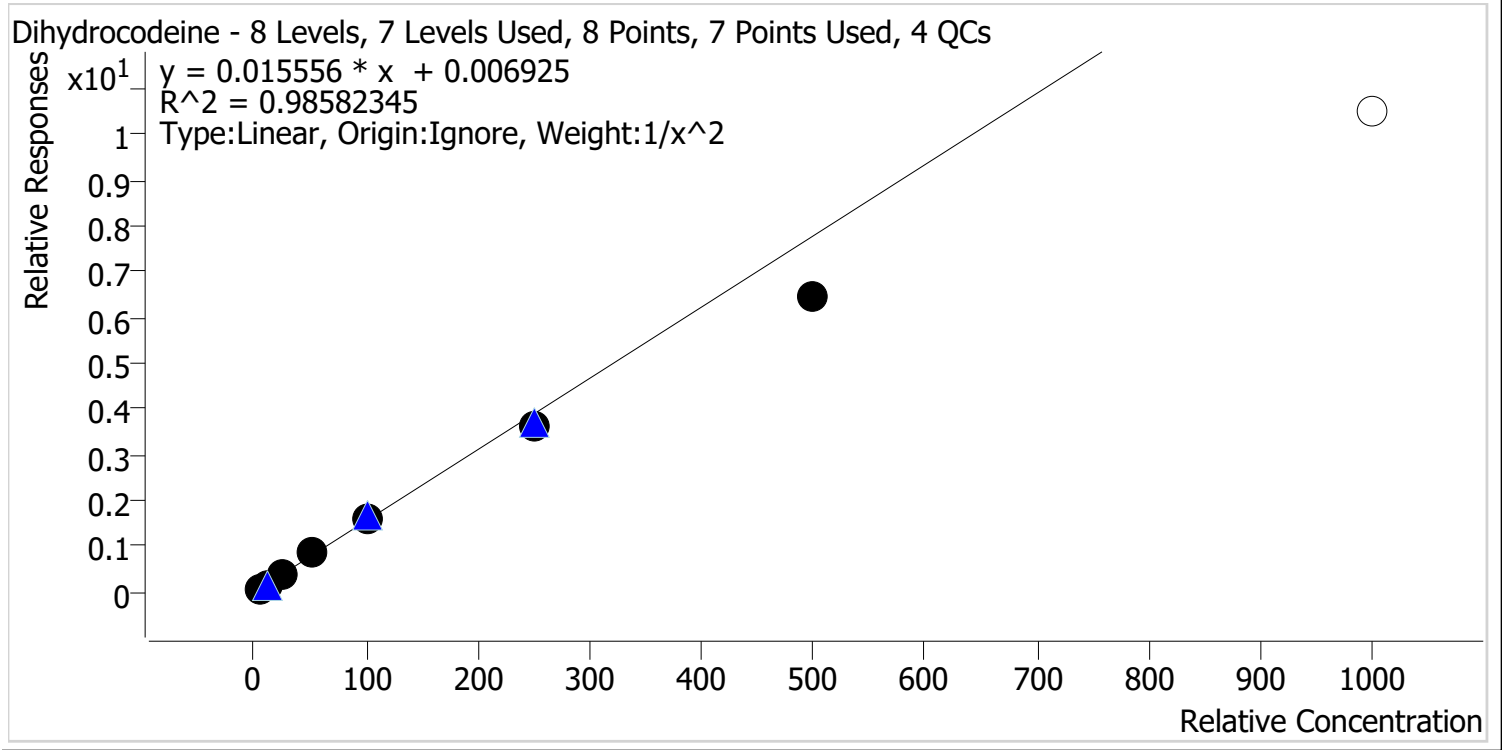


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	53.8	107.5
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	244.3	97.7
p1 Cal 7-500ng	7	✓	500.0	495.0	99.0
p1 Cal 8-1000ng	8	✓	1000.0	968.7	96.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



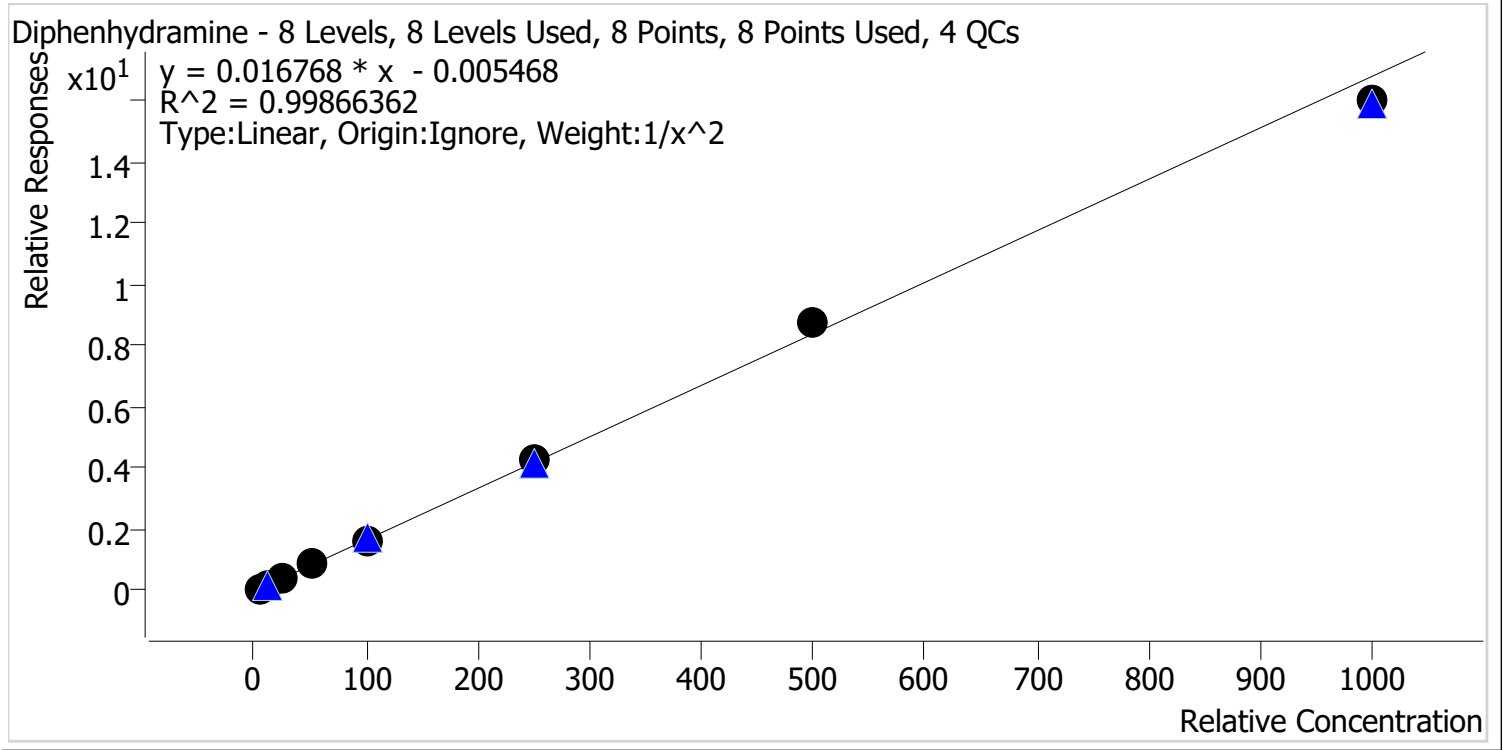
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.2
p1 Cal 2-10ng	2	✓	10.0	11.0	109.8
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	55.3	110.6
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	234.3	93.7
p1 Cal 7-500ng	7	✓	500.0	416.4	83.3
p1 Cal 8-1000ng	8	✗	1000.0	674.1	67.4

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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

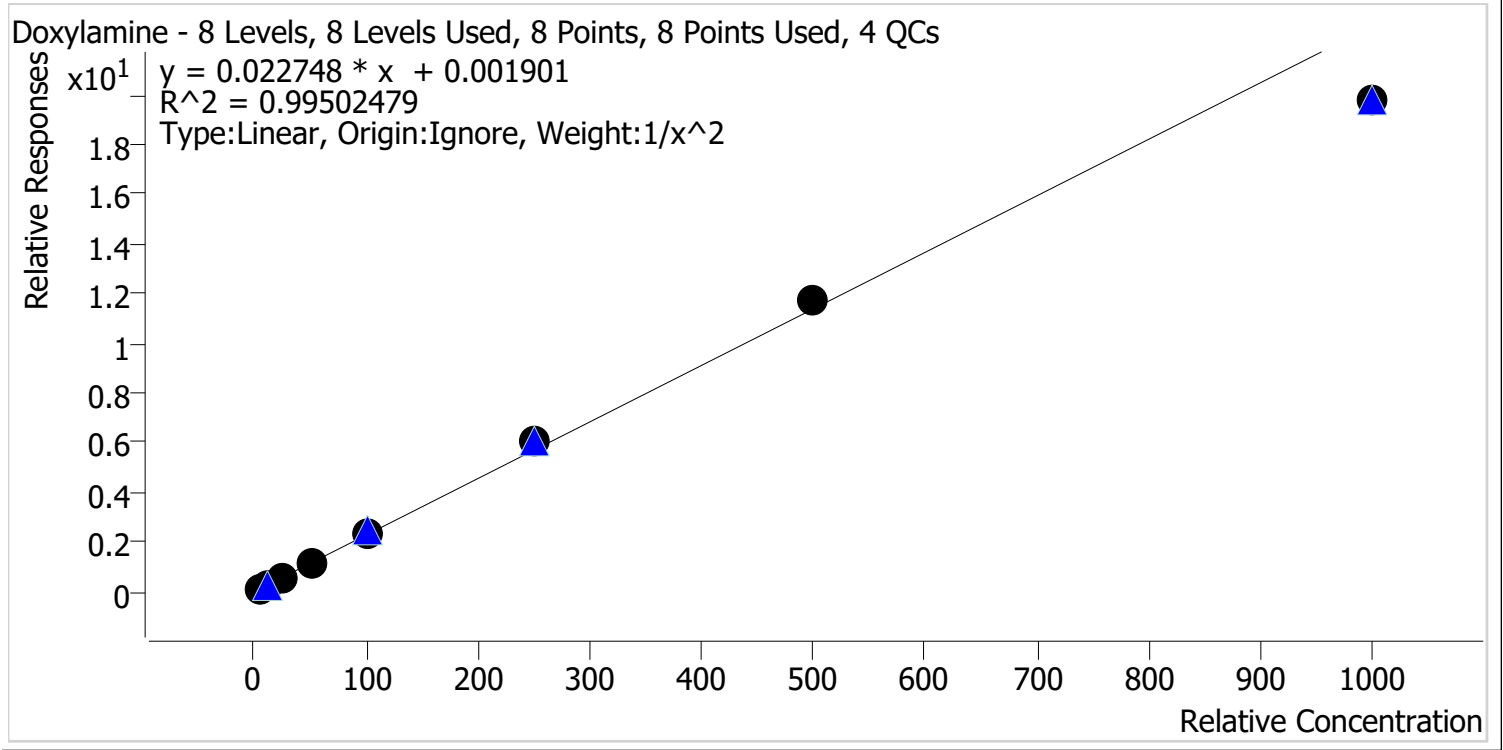


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	523.0	104.6
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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

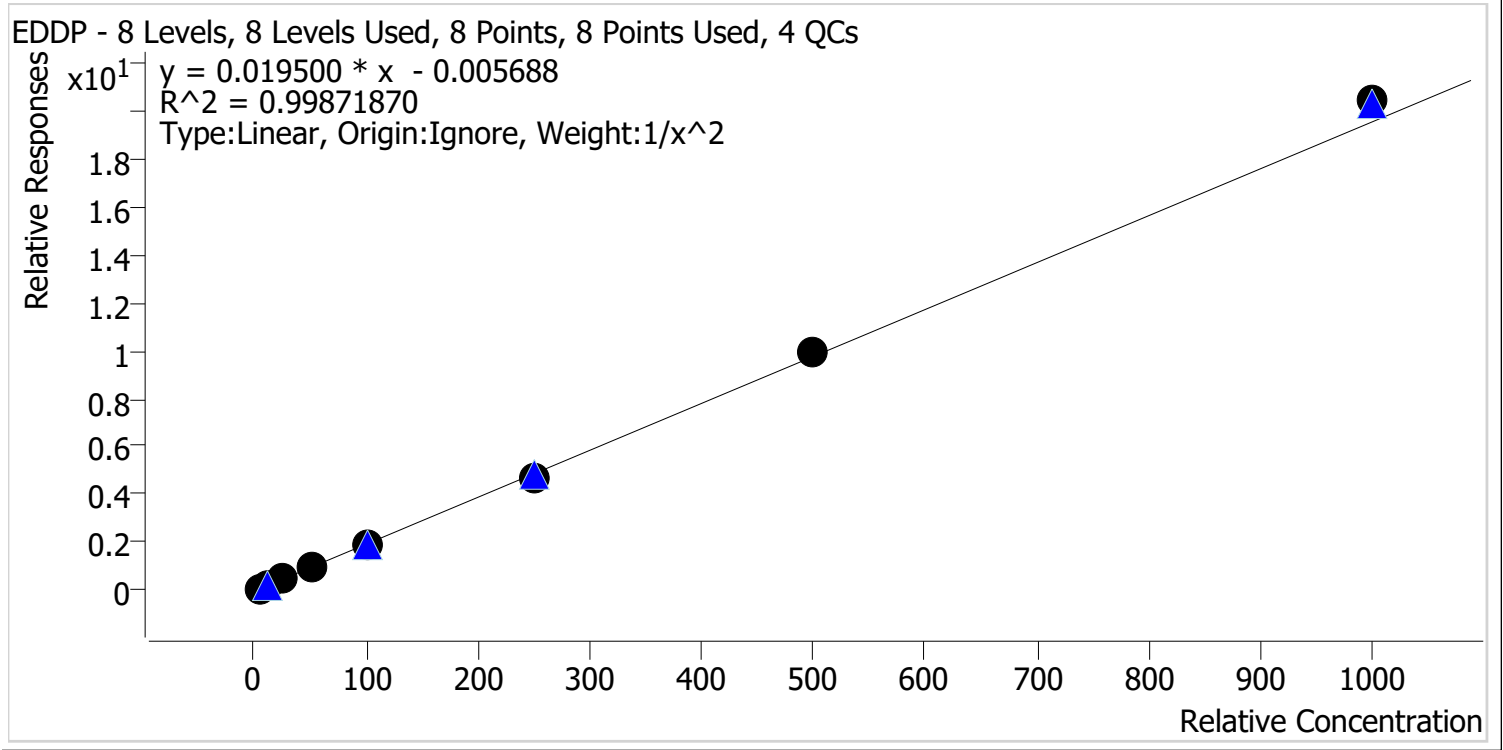


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	51.2	102.5
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	267.2	106.9
p1 Cal 7-500ng	7	✓	500.0	515.2	103.0
p1 Cal 8-1000ng	8	✓	1000.0	867.2	86.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

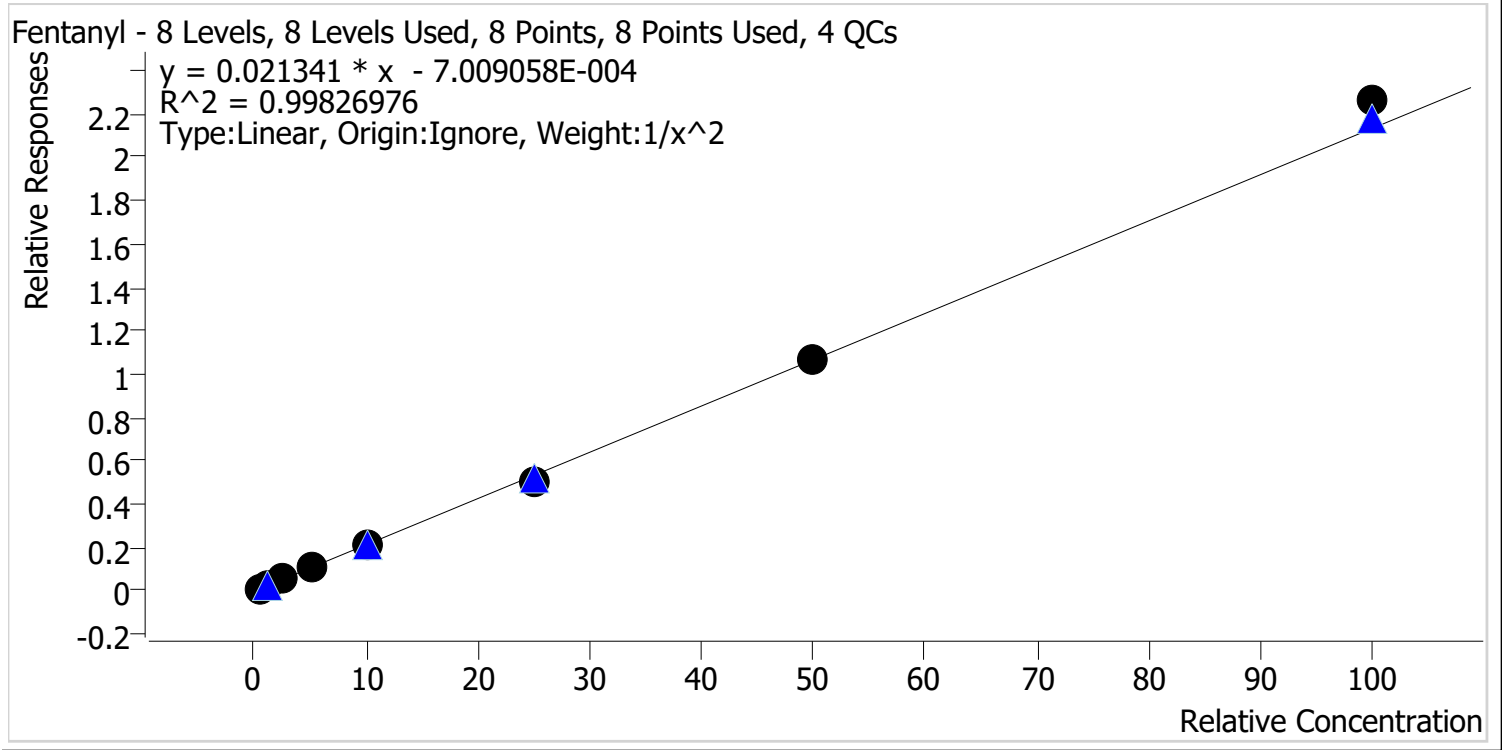


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	244.2	97.7
p1 Cal 7-500ng	7	✓	500.0	507.4	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1045.4	104.5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

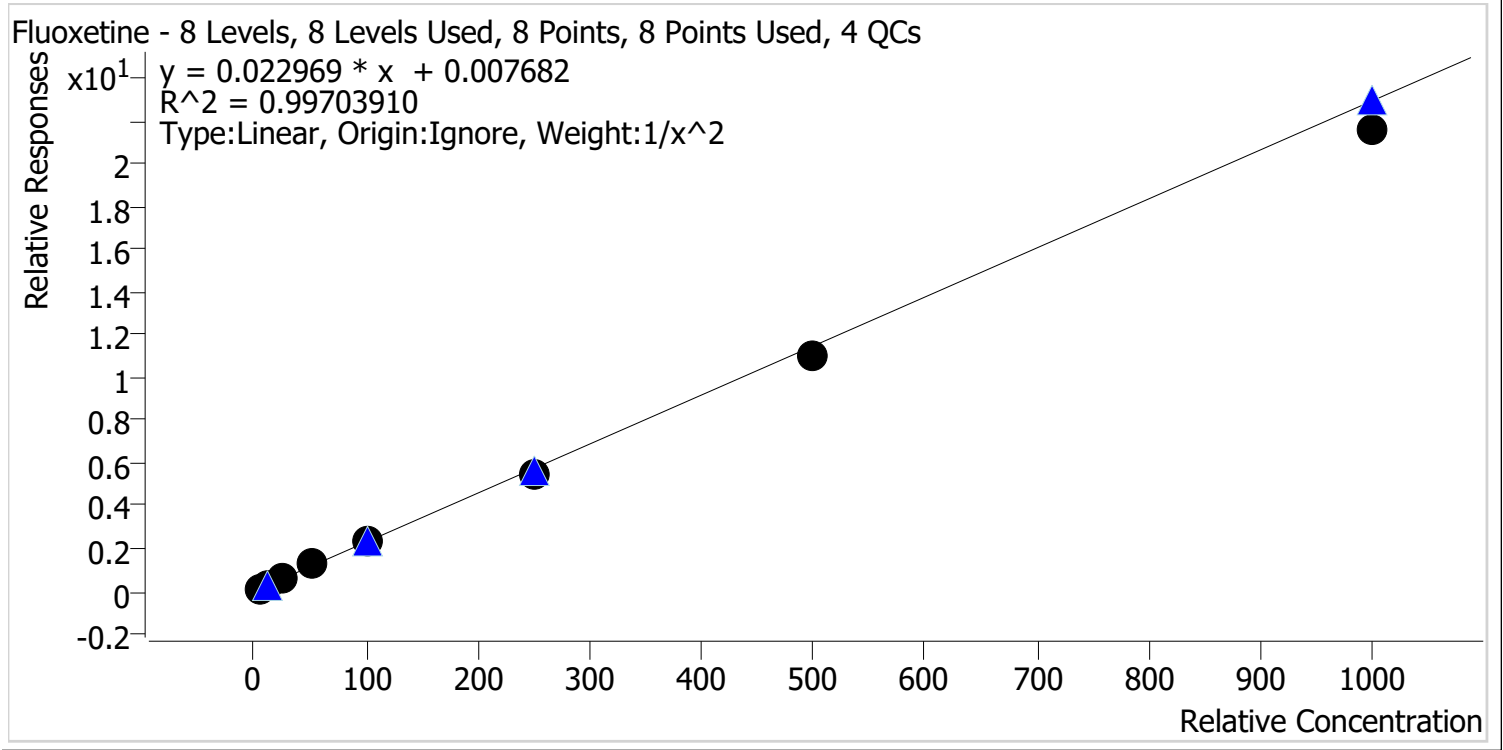


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.9
p1 Cal 2-10ng	2	✓	1.0	1.0	98.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.9
p1 Cal 4-50ng	4	✓	5.0	5.2	103.3
p1 Cal 5-100ng	5	✓	10.0	9.9	99.4
p1 Cal 6-250ng	6	✓	25.0	23.5	93.9
p1 Cal 7-500ng	7	✓	50.0	50.0	99.9
p1 Cal 8-1000ng	8	✓	100.0	106.0	106.0



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



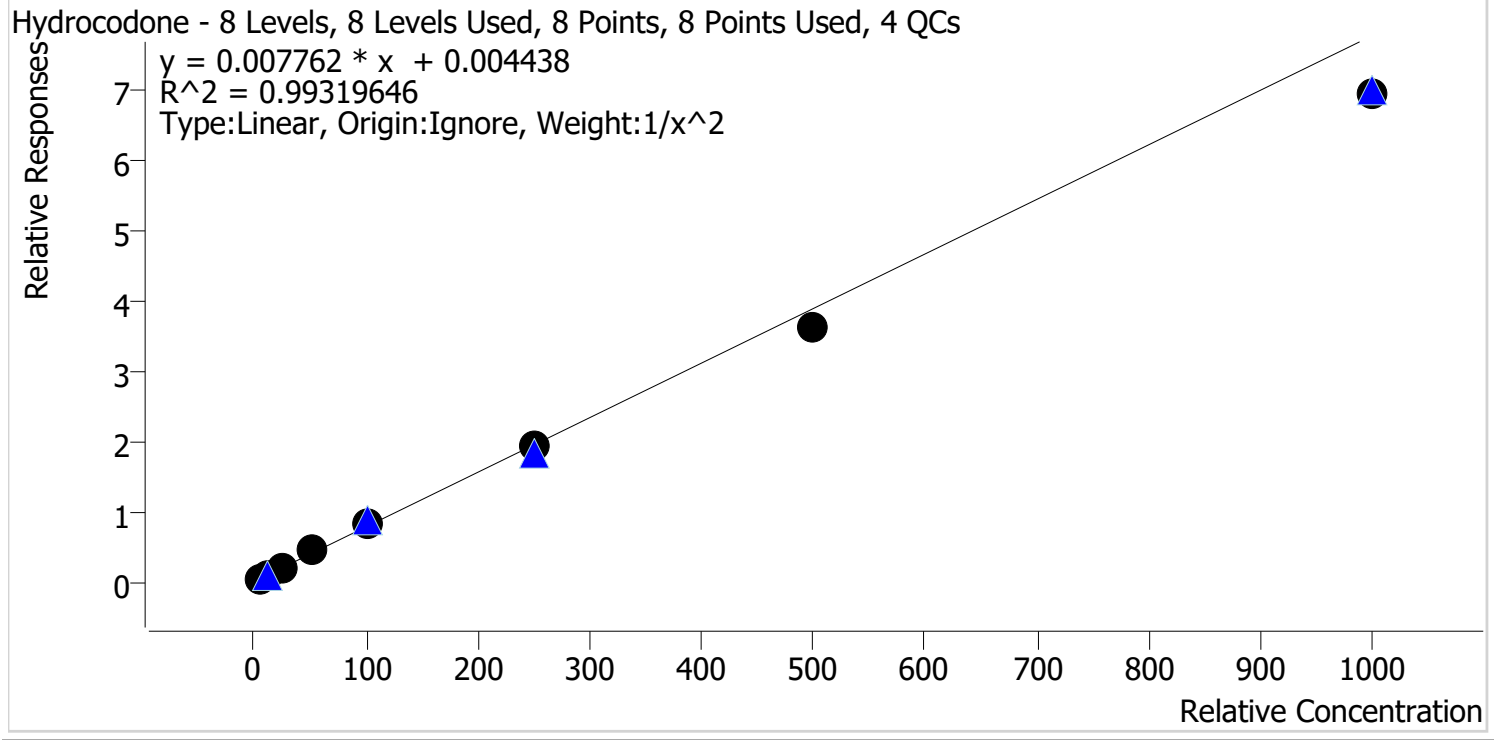
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	241.4	96.6
p1 Cal 7-500ng	7	✓	500.0	478.8	95.8
p1 Cal 8-1000ng	8	✓	1000.0	943.3	94.3





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

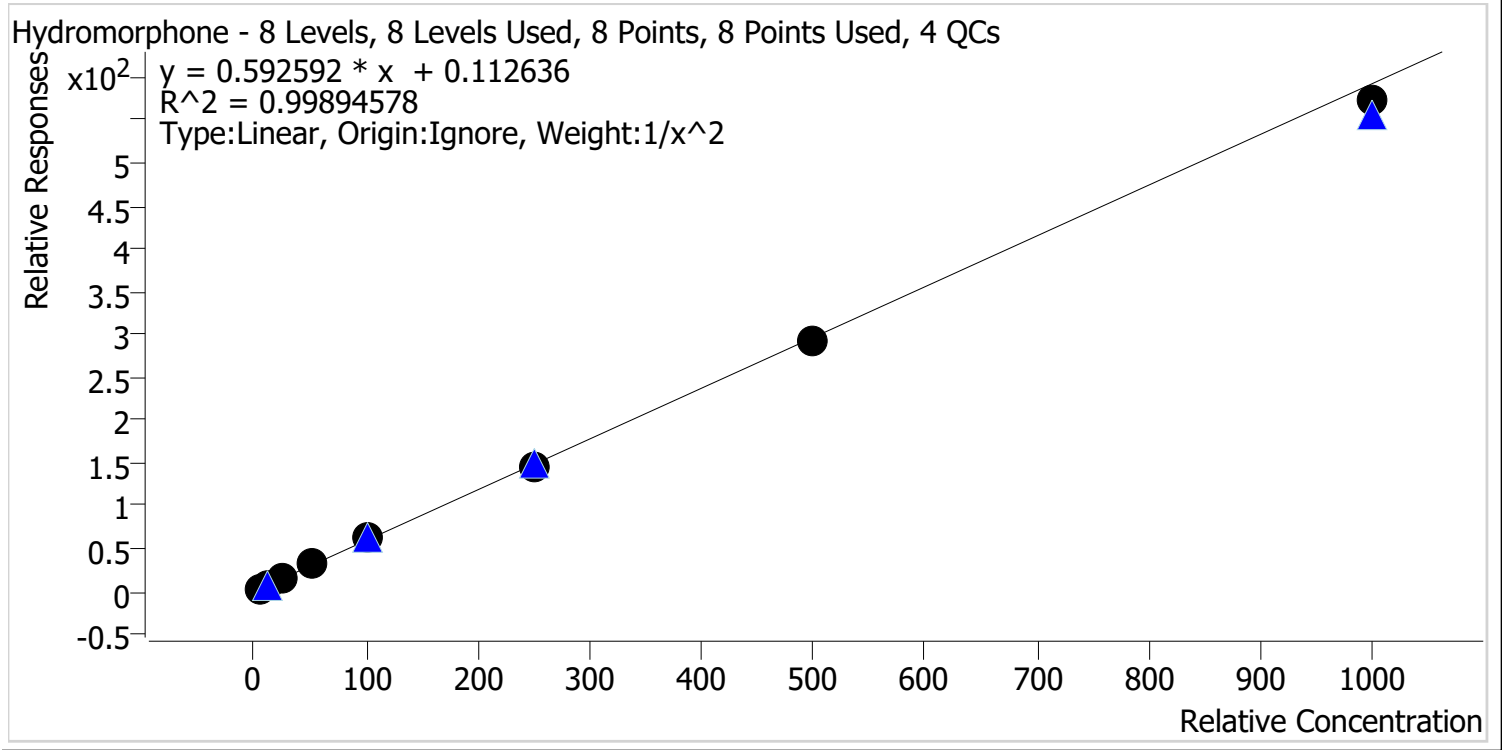


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	55.7	111.3
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	465.1	93.0
p1 Cal 8-1000ng	8	✓	1000.0	892.8	89.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Morphine-D6

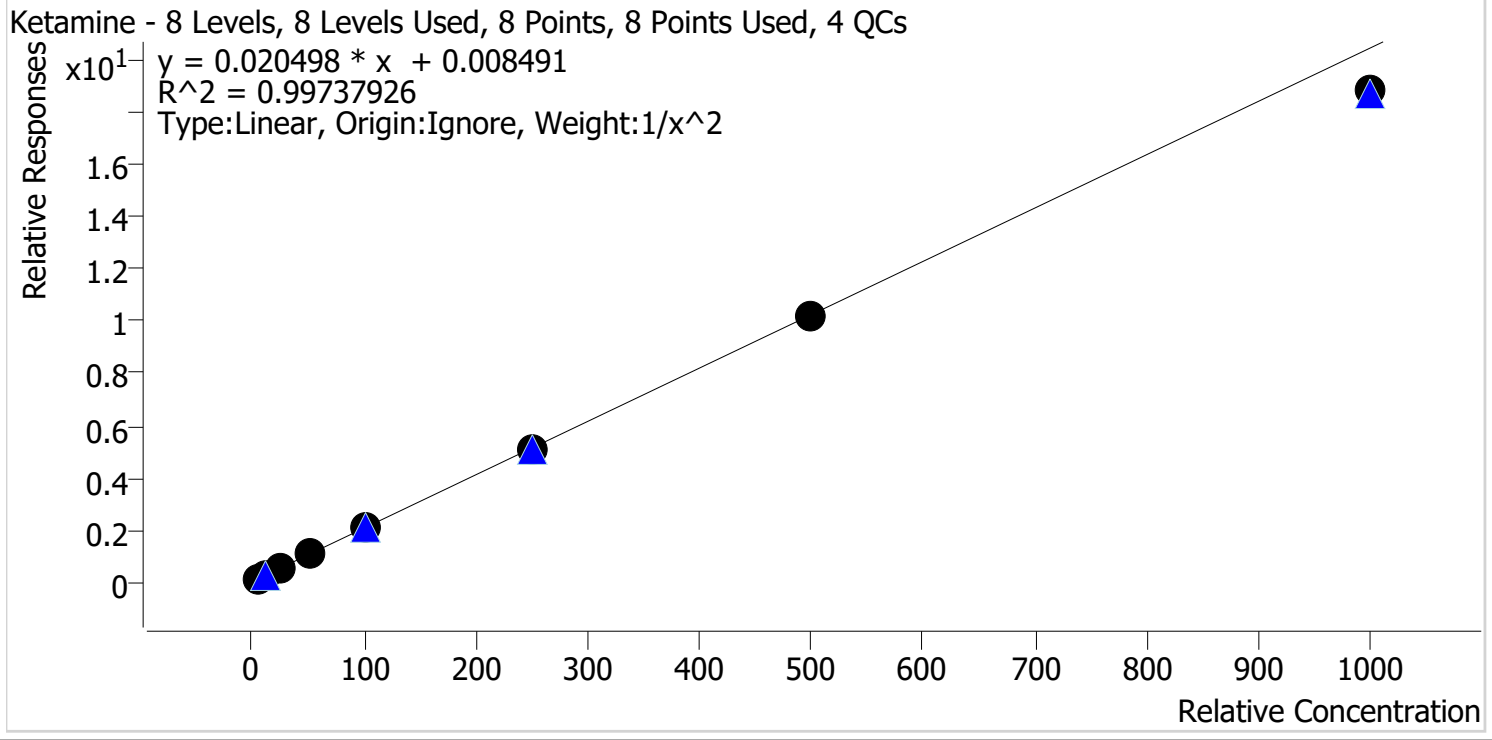


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	244.2	97.7
p1 Cal 7-500ng	7	✓	500.0	491.2	98.2
p1 Cal 8-1000ng	8	✓	1000.0	966.6	96.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

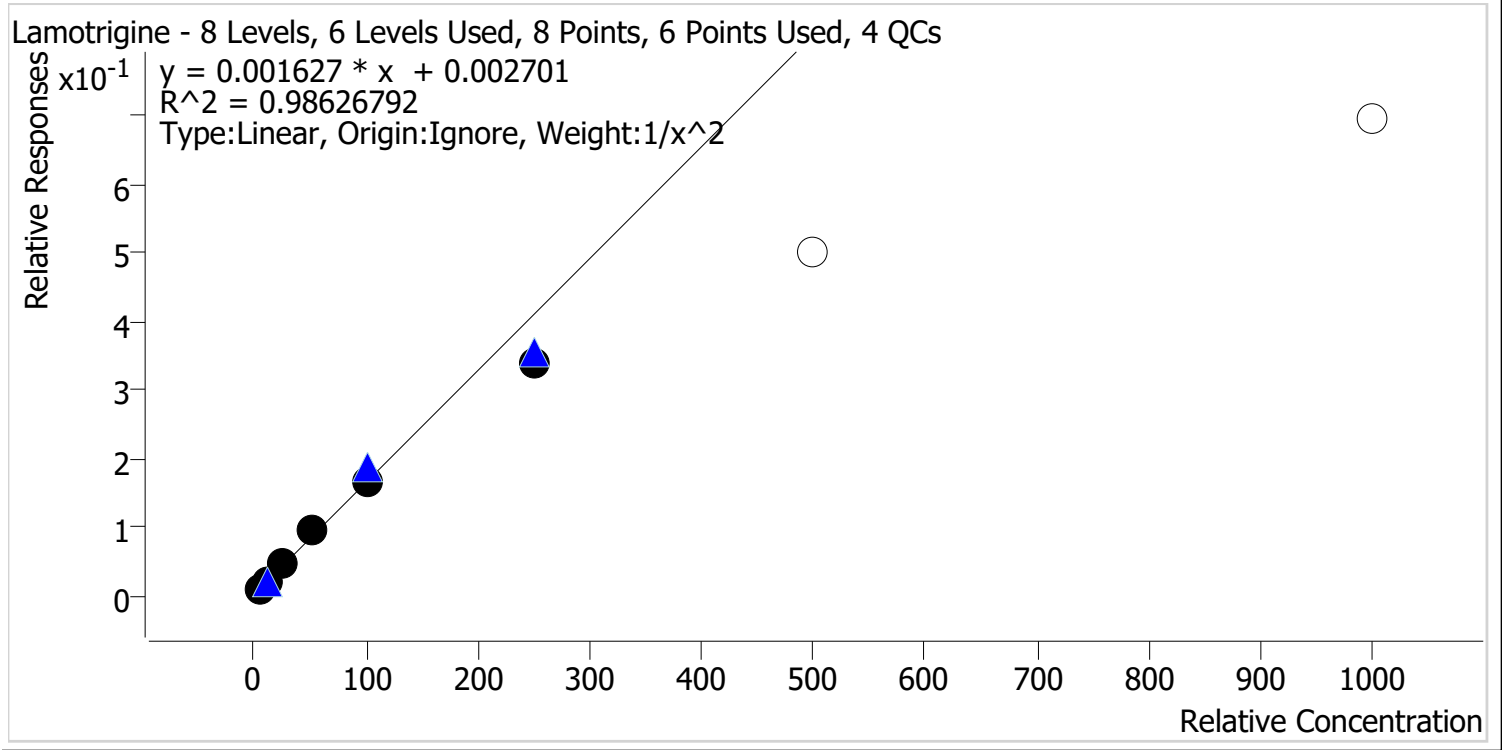


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	498.3	99.7
p1 Cal 8-1000ng	8	✓	1000.0	920.2	92.0



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



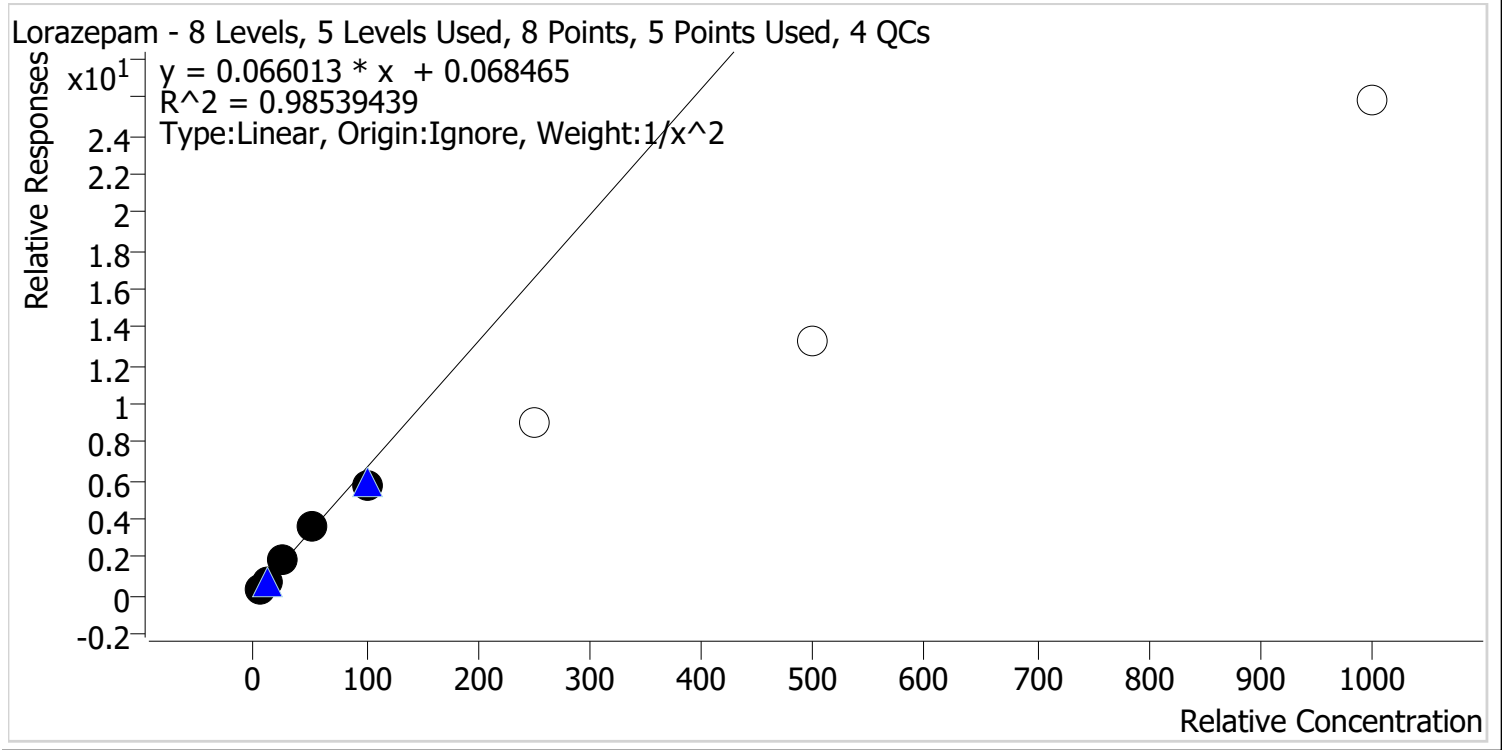
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	55.7	111.4
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	207.5	83.0
p1 Cal 7-500ng	7	x	500.0	306.6	61.3
p1 Cal 8-1000ng	8	x	1000.0	423.8	42.4

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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4



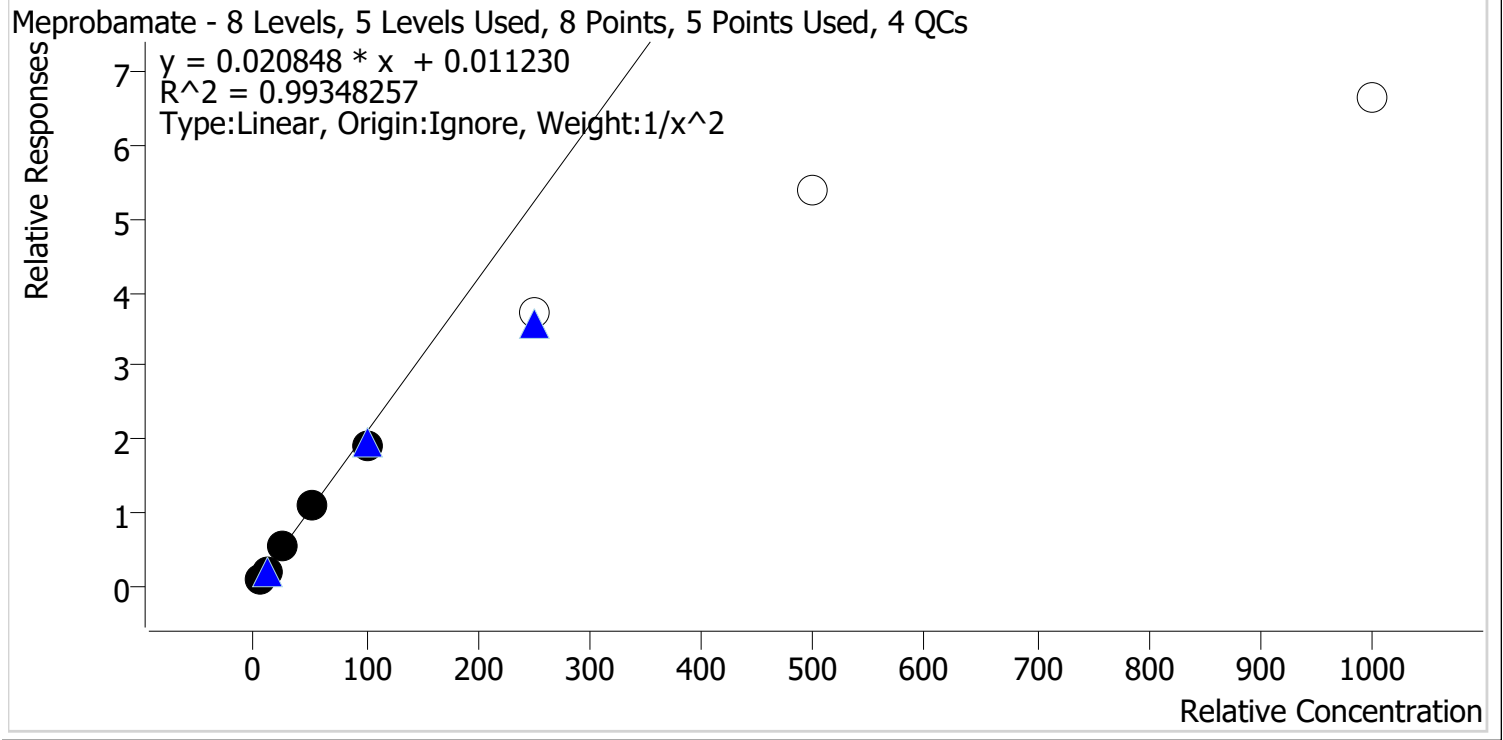
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.6	106.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	85.4	85.4
p1 Cal 6-250ng	6	✗	250.0	137.2	54.9
p1 Cal 7-500ng	7	✗	500.0	199.8	40.0
p1 Cal 8-1000ng	8	✗	1000.0	390.5	39.0

Calibrators 6, 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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



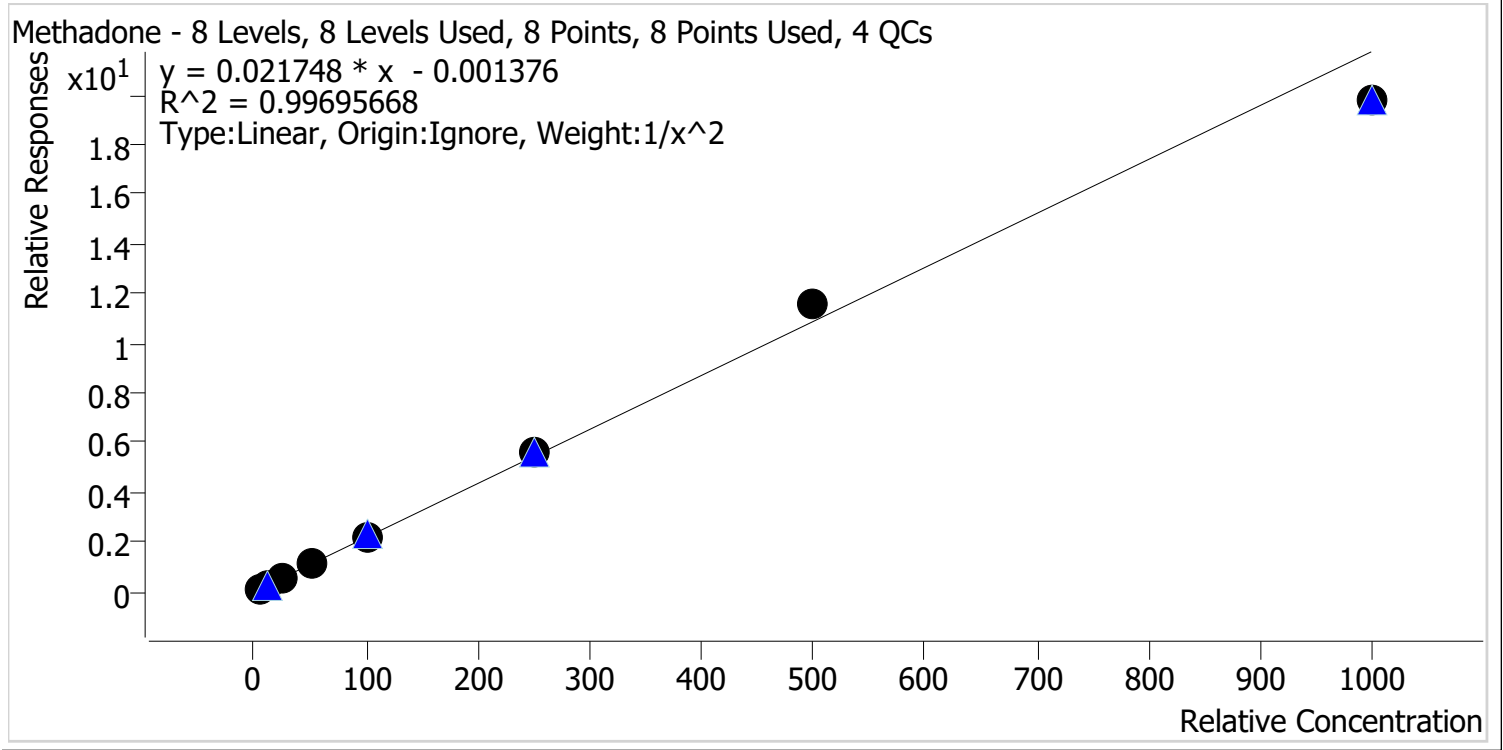
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	90.4	90.4
p1 Cal 6-250ng	6	✗	250.0	179.1	71.6
p1 Cal 7-500ng	7	✗	500.0	258.2	51.6
p1 Cal 8-1000ng	8	✗	1000.0	317.5	31.8

Calibrators 6, 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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

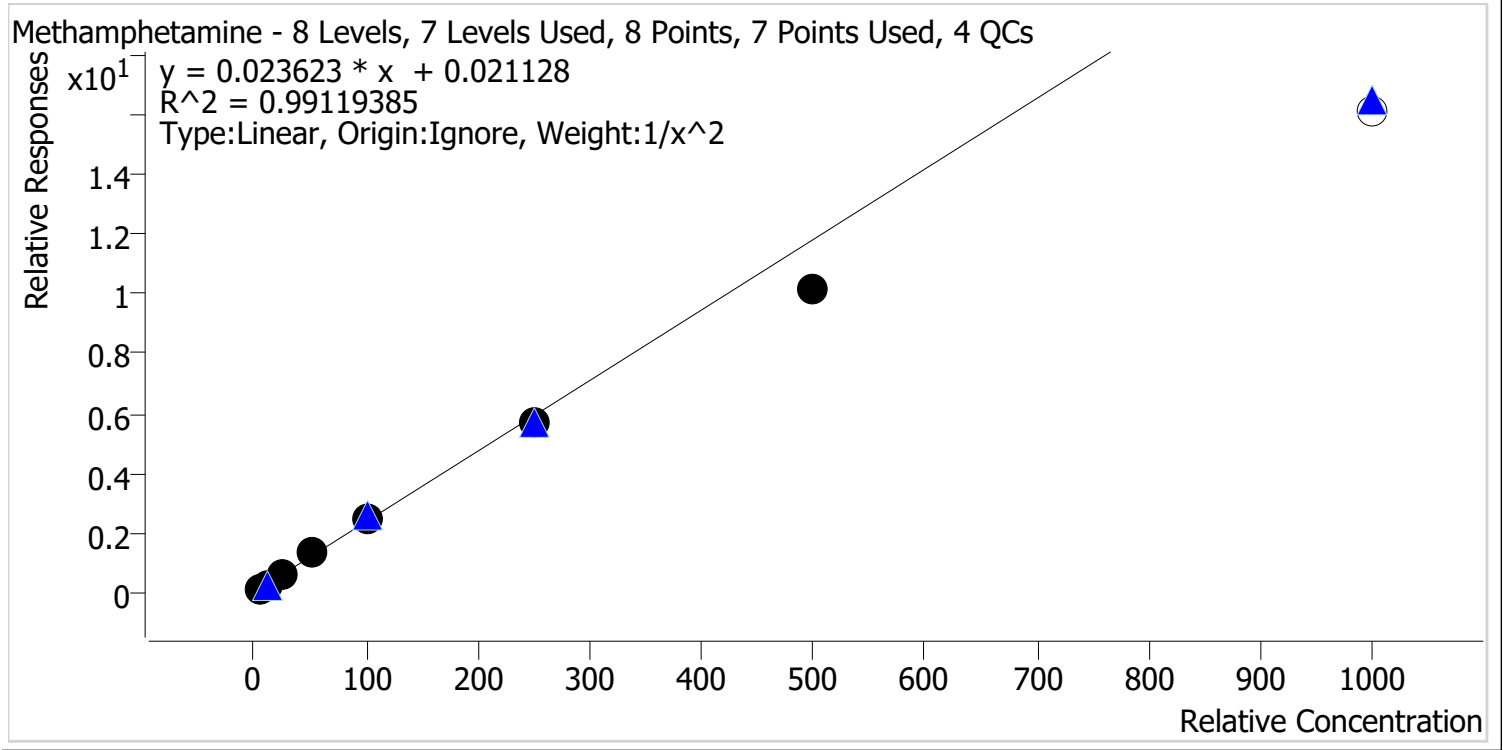


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	260.3	104.1
p1 Cal 7-500ng	7	✓	500.0	533.2	106.6
p1 Cal 8-1000ng	8	✓	1000.0	907.3	90.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**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	96.8
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	55.4	110.8
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	239.8	95.9
p1 Cal 7-500ng	7	✓	500.0	429.5	85.9
p1 Cal 8-1000ng	8	✗	1000.0	682.9	68.3

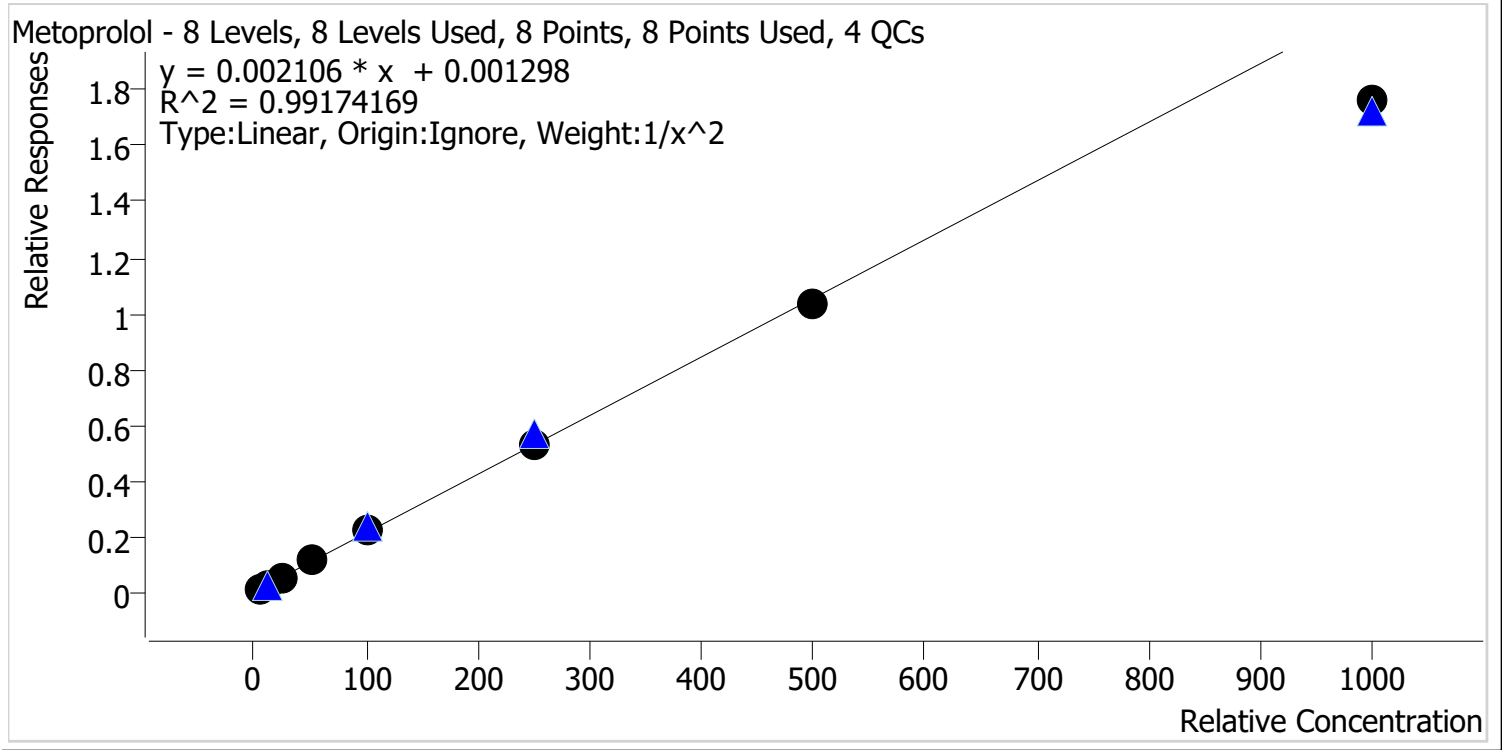
Calibrator 8 dropped due to not meeting accuracy requirement.





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

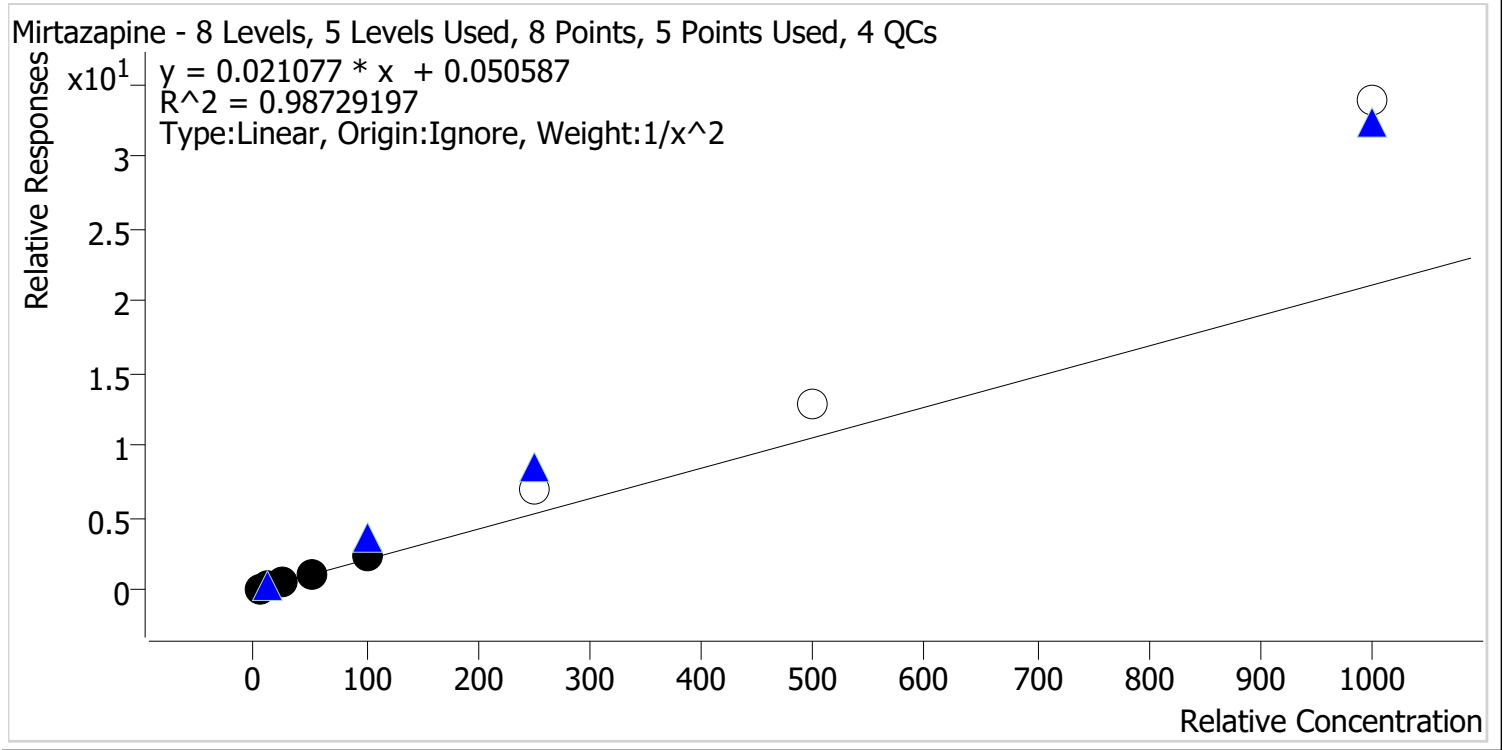


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	55.1	110.1
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	248.6	99.5
p1 Cal 7-500ng	7	✓	500.0	489.3	97.9
p1 Cal 8-1000ng	8	✓	1000.0	837.0	83.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



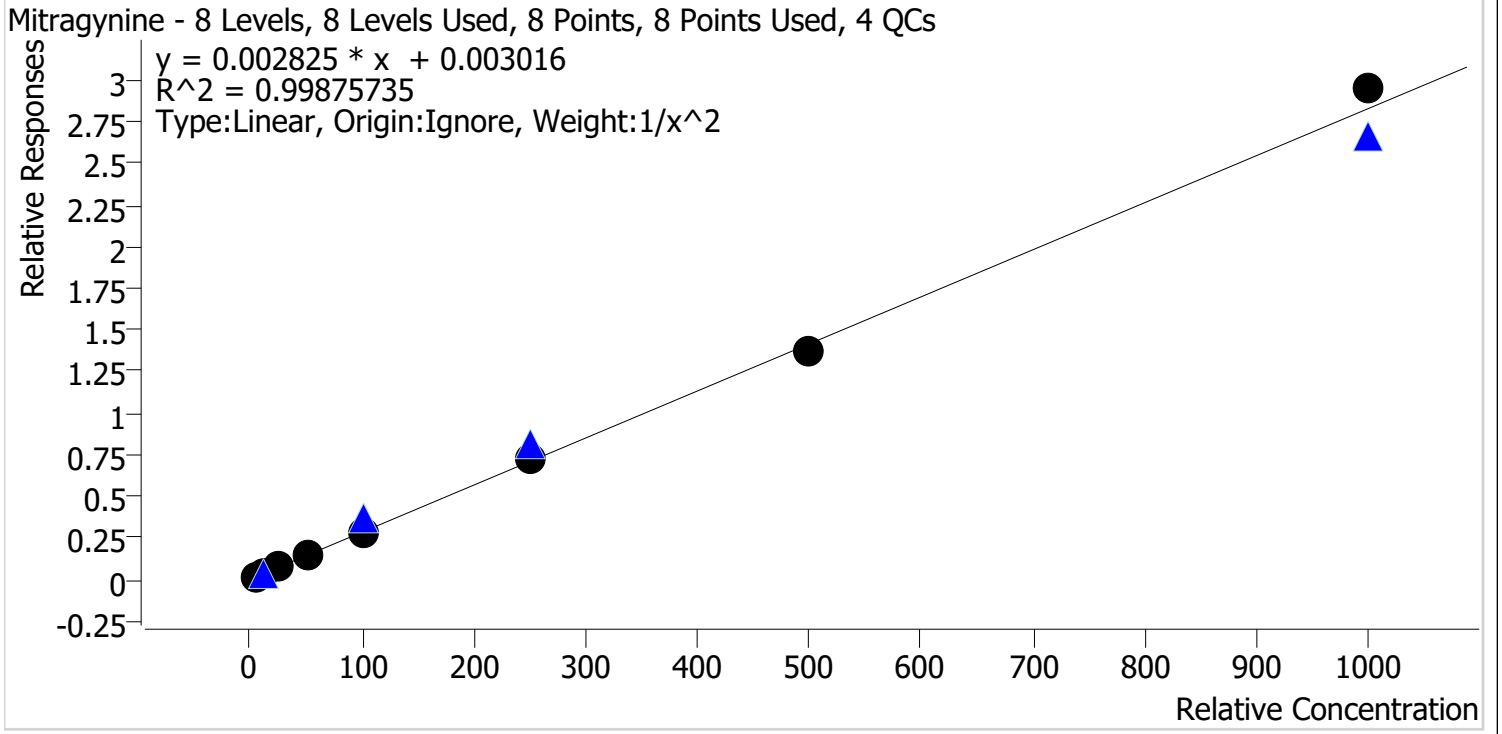
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.6	105.8
p1 Cal 3 -25ng	3	✓	25.0	21.4	85.6
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	107.9	107.9
p1 Cal 6-250ng	6	✗	250.0	330.0	132.0
p1 Cal 7-500ng	7	✗	500.0	612.0	122.4
p1 Cal 8-1000ng	8	✗	1000.0	1604.4	160.4

Calibrators 6, 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\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9

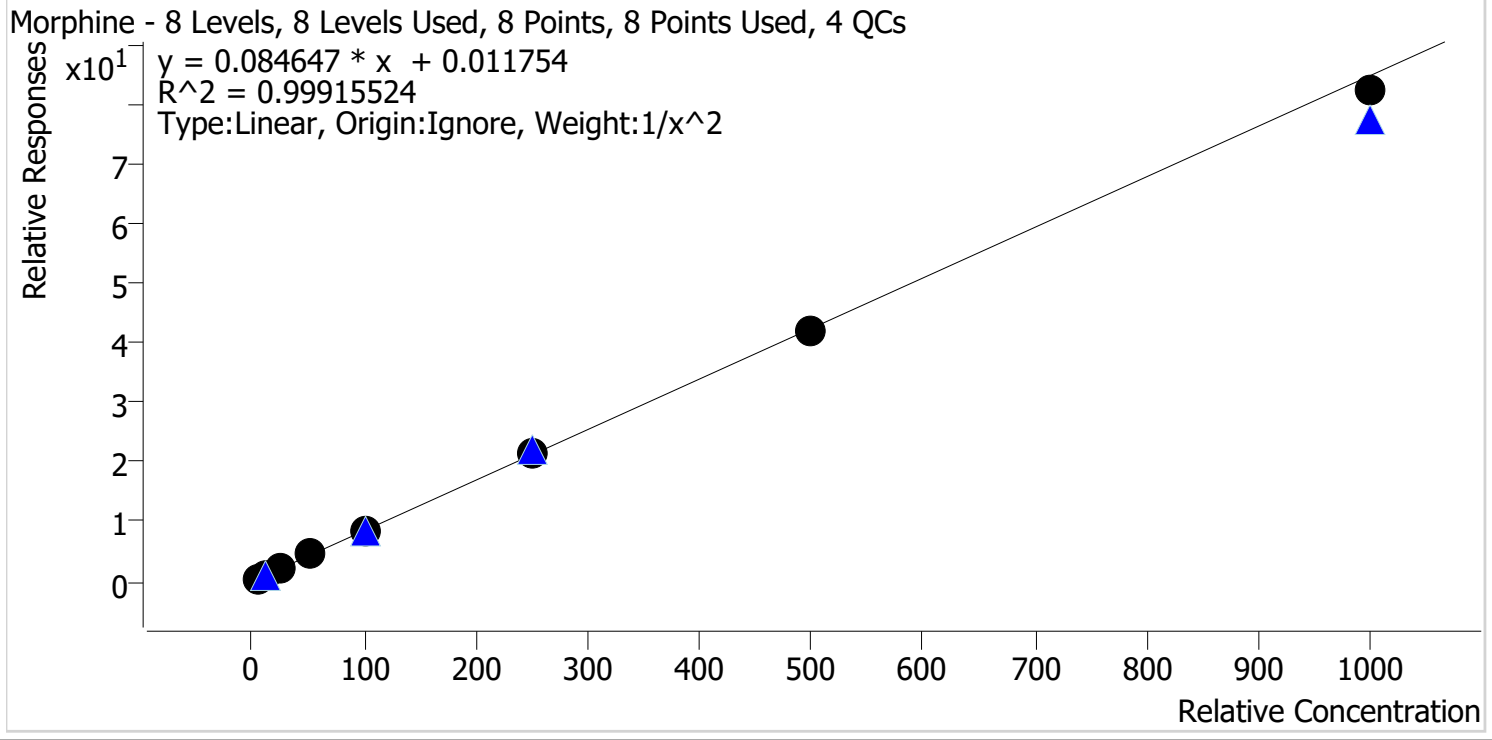


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.5	94.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	484.4	96.9
p1 Cal 8-1000ng	8	✓	1000.0	1042.6	104.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

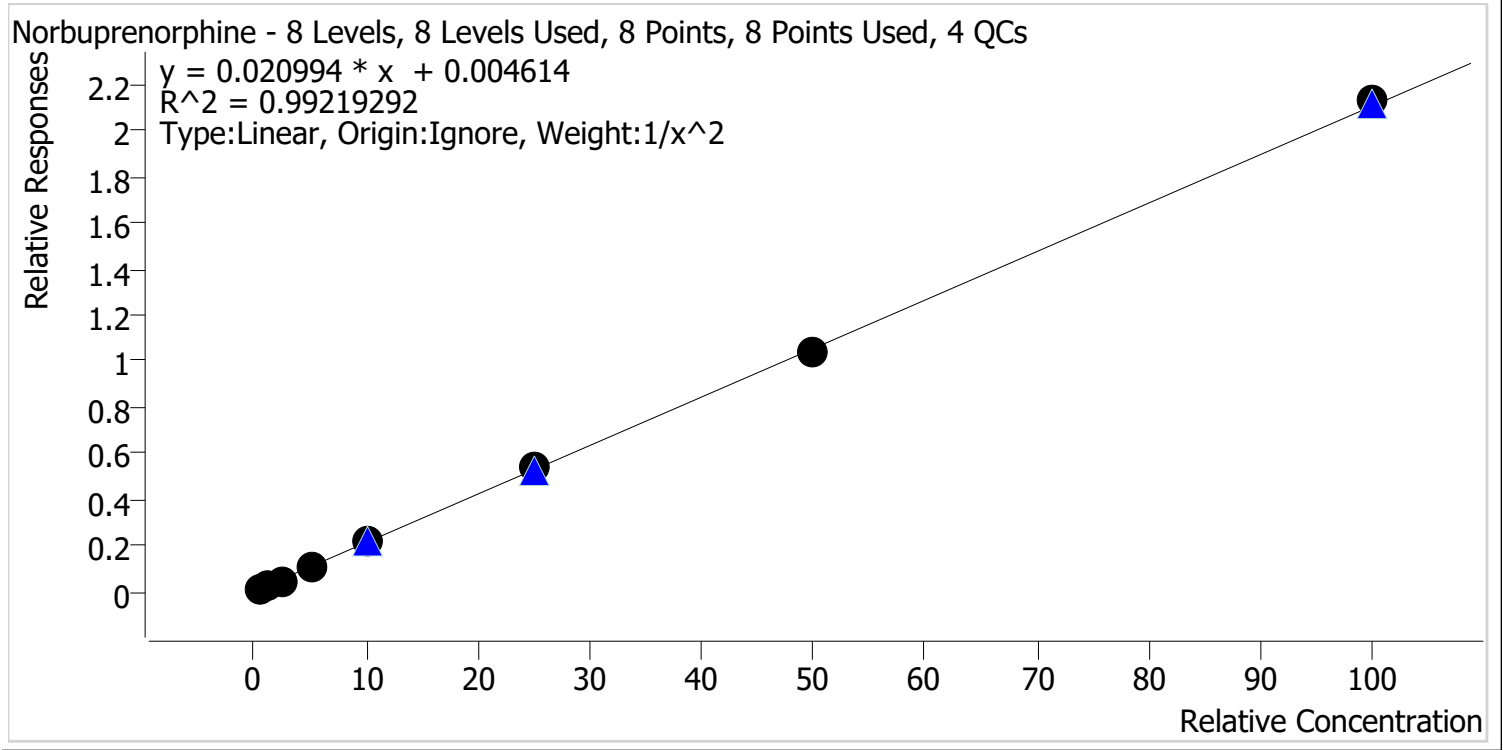


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	497.7	99.5
p1 Cal 8-1000ng	8	✓	1000.0	970.4	97.0



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

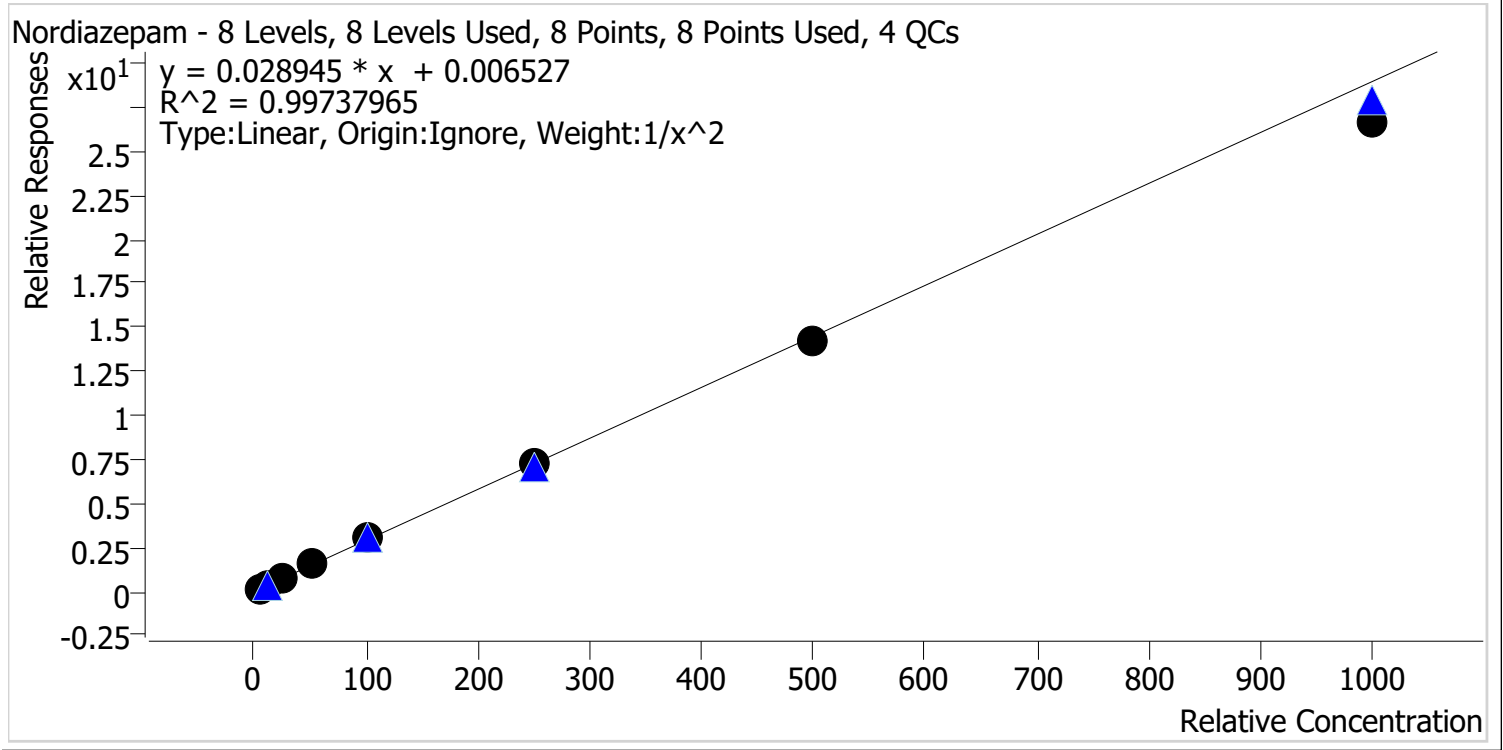


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	95.1
p1 Cal 2-10ng	2	✓	1.0	1.1	114.4
p1 Cal 3 -25ng	3	✓	2.5	2.2	86.9
p1 Cal 4-50ng	4	✓	5.0	5.1	102.9
p1 Cal 5-100ng	5	✓	10.0	10.0	100.1
p1 Cal 6-250ng	6	✓	25.0	25.2	100.8
p1 Cal 7-500ng	7	✓	50.0	49.3	98.6
p1 Cal 8-1000ng	8	✓	100.0	101.1	101.1



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5

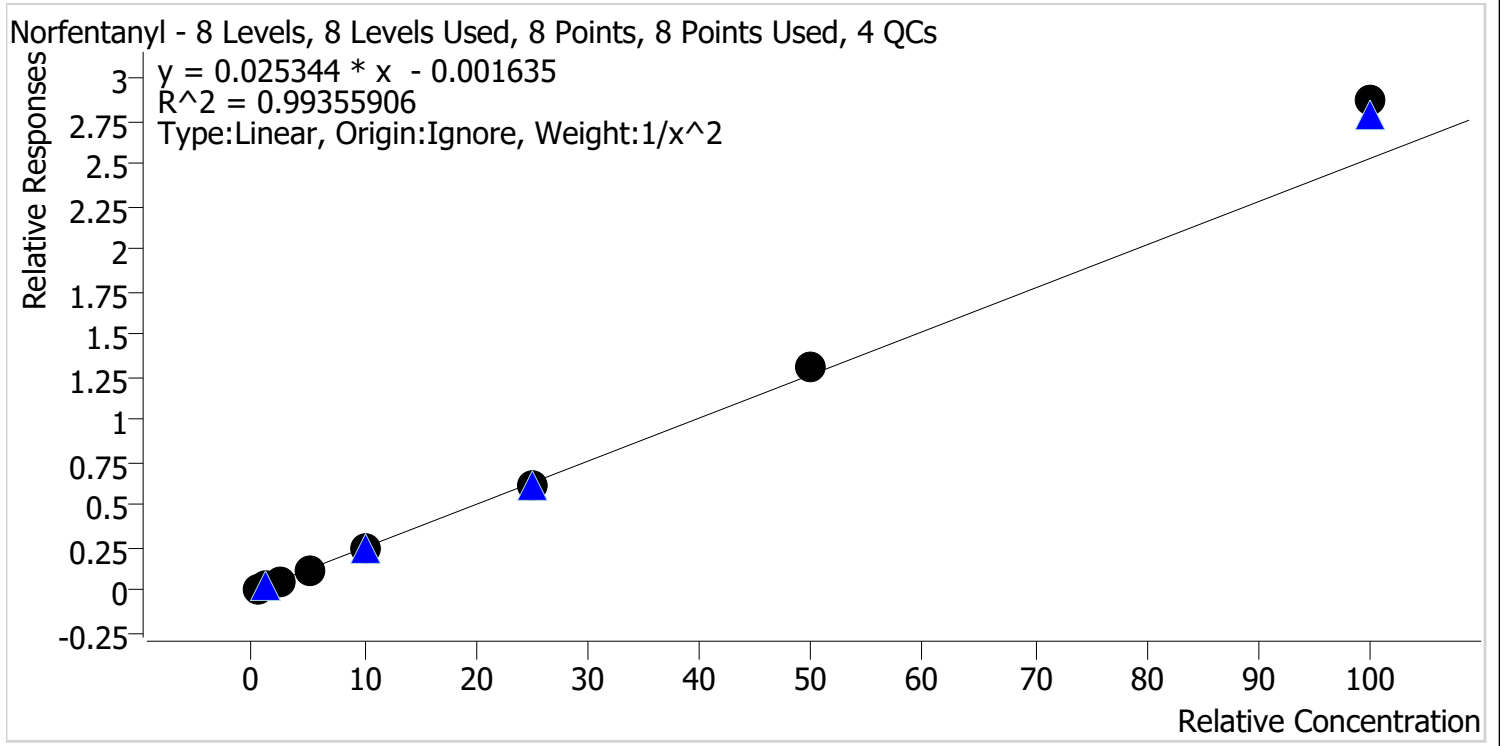


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	251.4	100.5
p1 Cal 7-500ng	7	✓	500.0	488.4	97.7
p1 Cal 8-1000ng	8	✓	1000.0	923.5	92.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

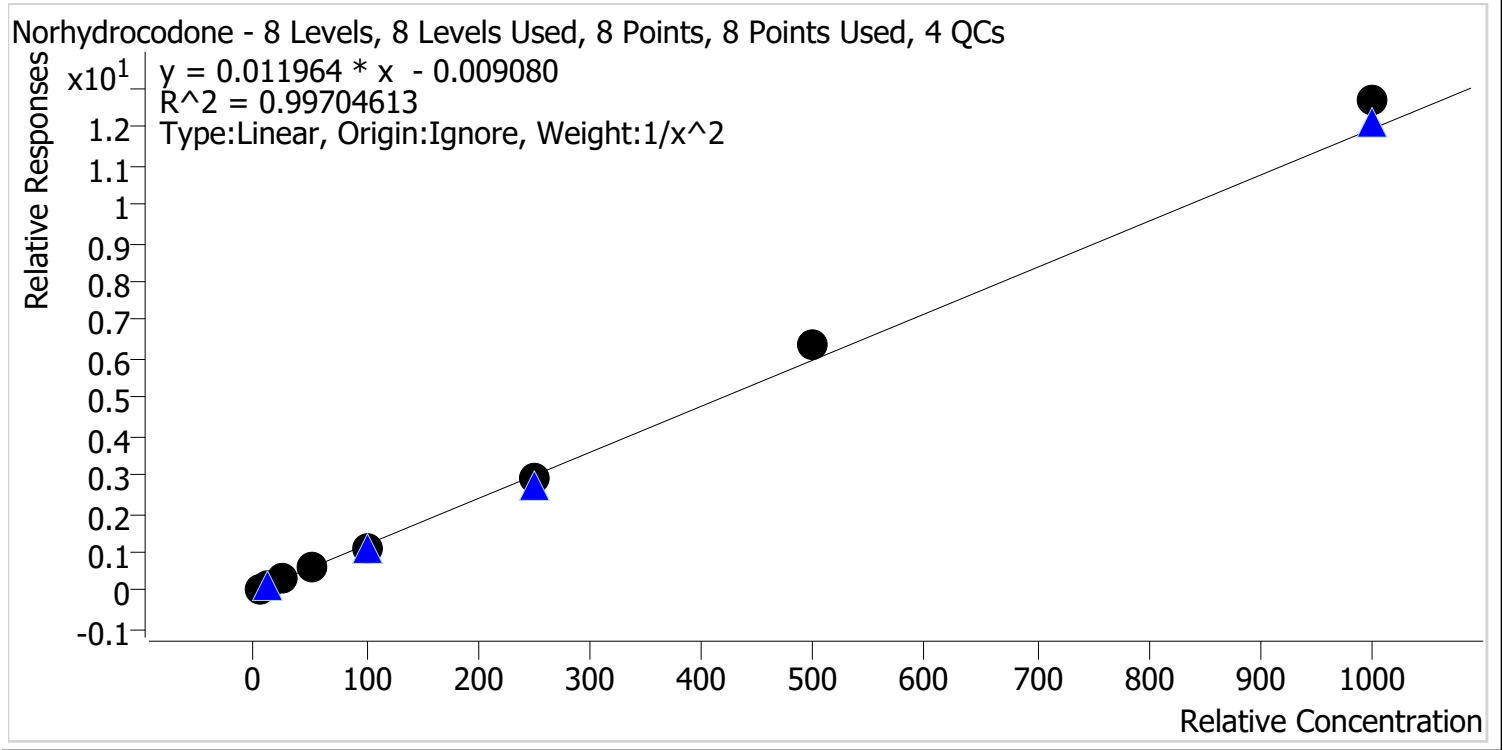


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.2
p1 Cal 2-10ng	2	✓	1.0	1.0	95.9
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.1
p1 Cal 4-50ng	4	✓	5.0	4.9	98.3
p1 Cal 5-100ng	5	✓	10.0	9.5	95.1
p1 Cal 6-250ng	6	✓	25.0	24.4	97.7
p1 Cal 7-500ng	7	✓	50.0	52.1	104.3
p1 Cal 8-1000ng	8	✓	100.0	113.4	113.4



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



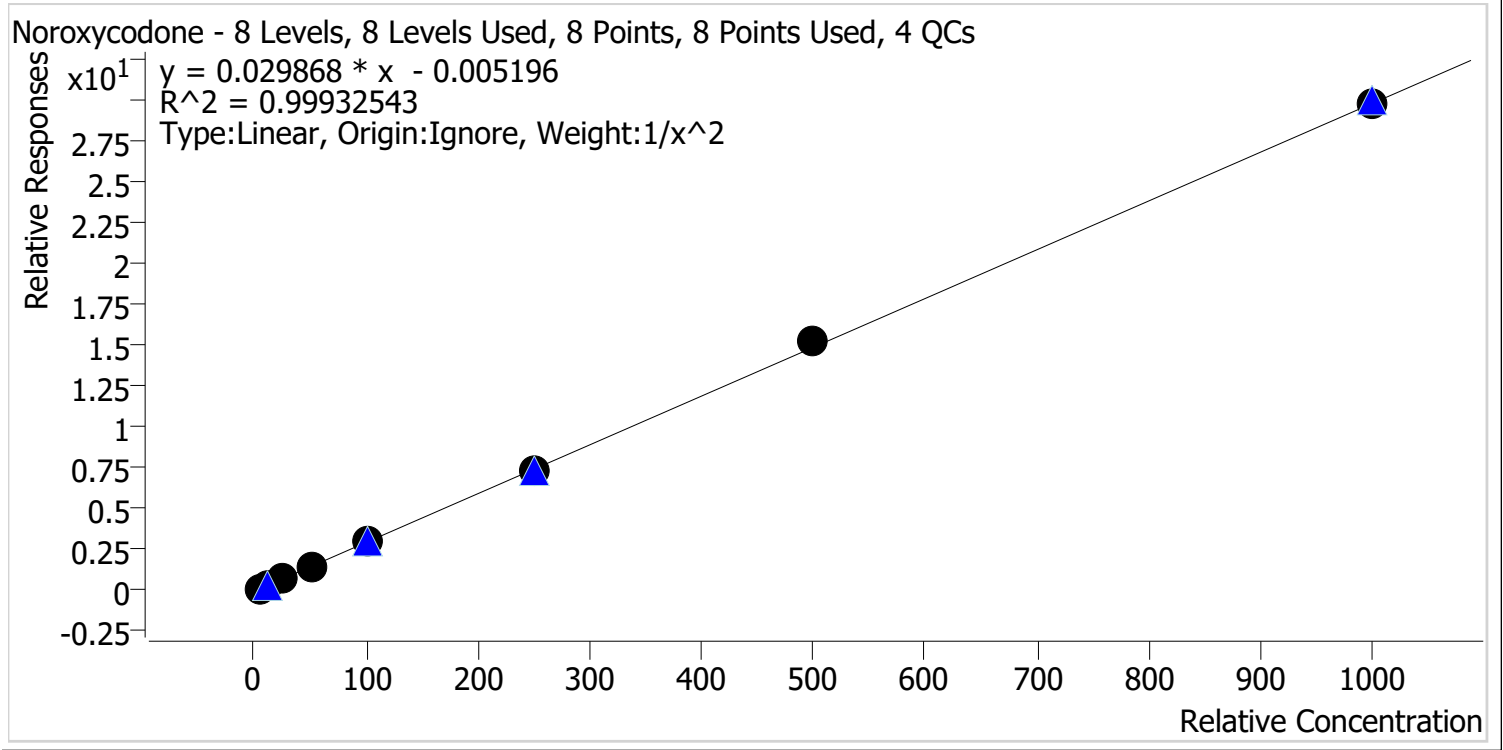
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	92.2	92.2
p1 Cal 6-250ng	6	✓	250.0	240.4	96.2
p1 Cal 7-500ng	7	✓	500.0	530.4	106.1
p1 Cal 8-1000ng	8	✓	1000.0	1061.2	106.1





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

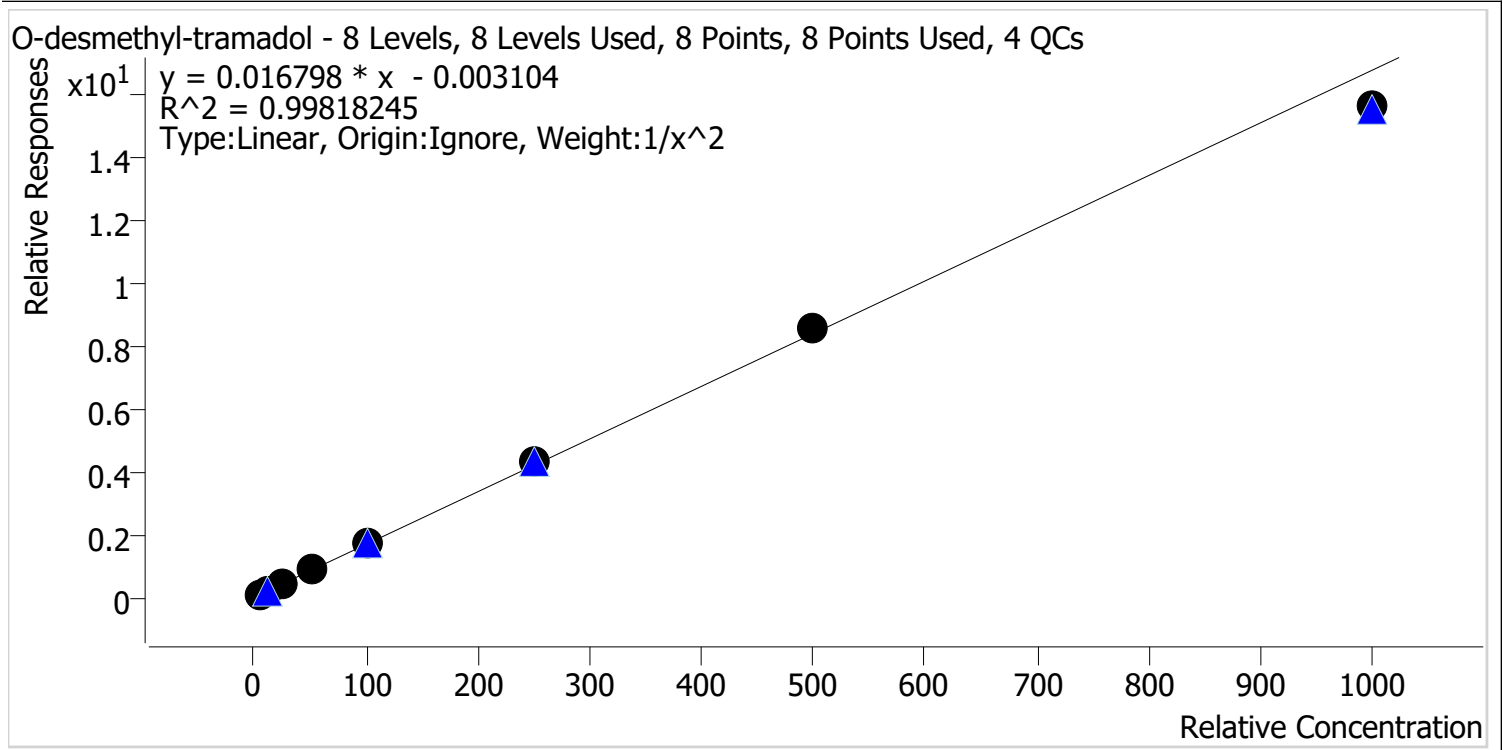


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	510.2	102.0
p1 Cal 8-1000ng	8	✓	1000.0	996.3	99.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

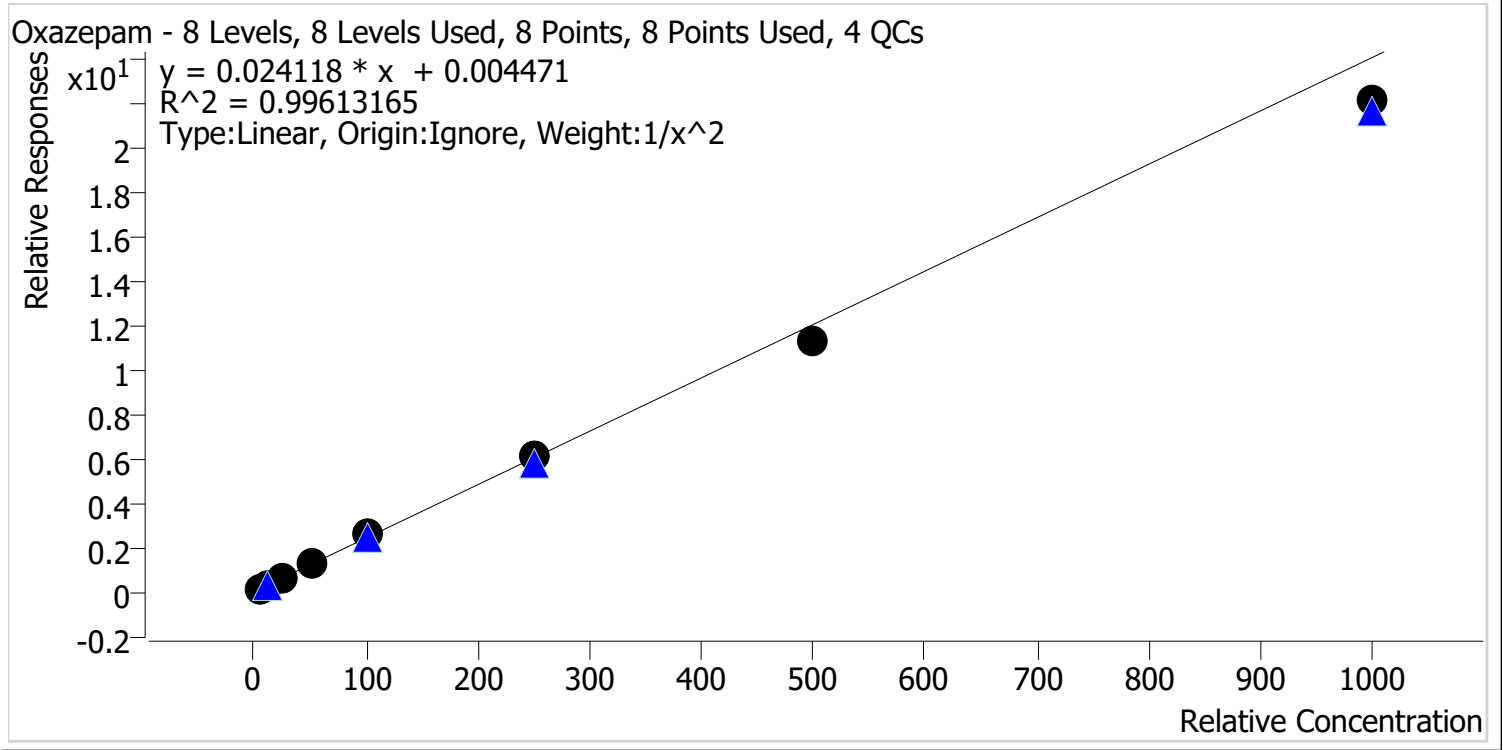


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	256.4	102.6
p1 Cal 7-500ng	7	✓	500.0	513.6	102.7
p1 Cal 8-1000ng	8	✓	1000.0	931.6	93.2



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

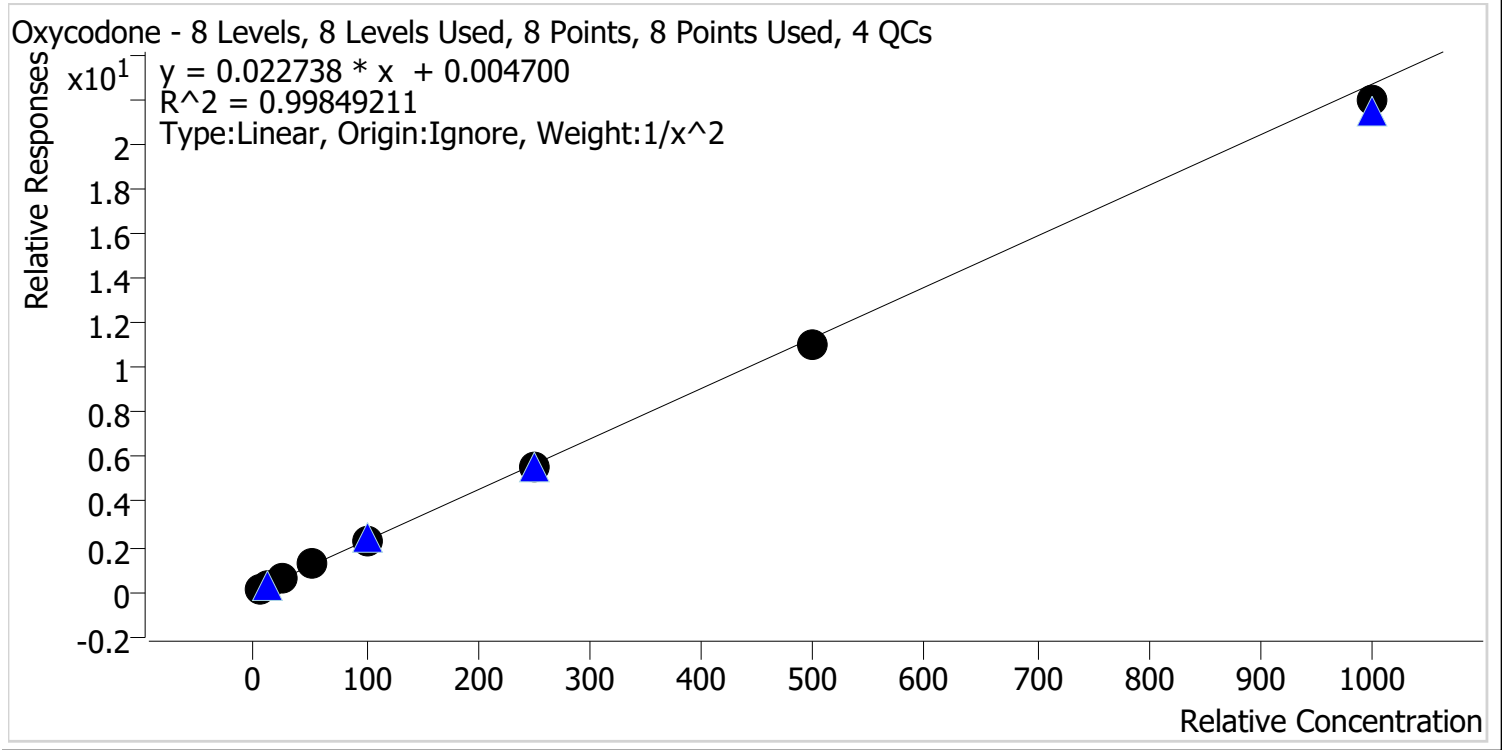


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	470.7	94.1
p1 Cal 8-1000ng	8	✓	1000.0	919.4	91.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

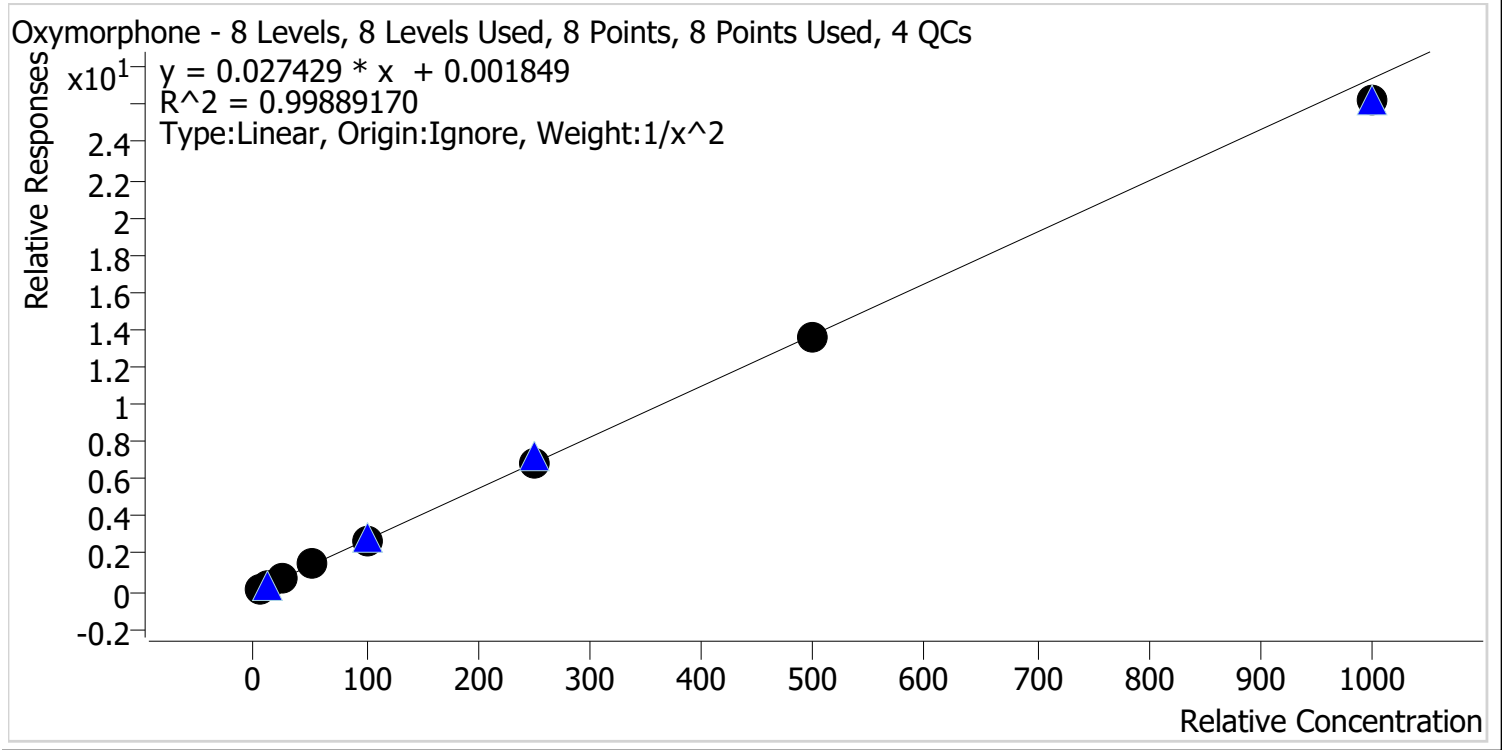


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	246.9	98.7
p1 Cal 7-500ng	7	✓	500.0	483.5	96.7
p1 Cal 8-1000ng	8	✓	1000.0	967.5	96.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

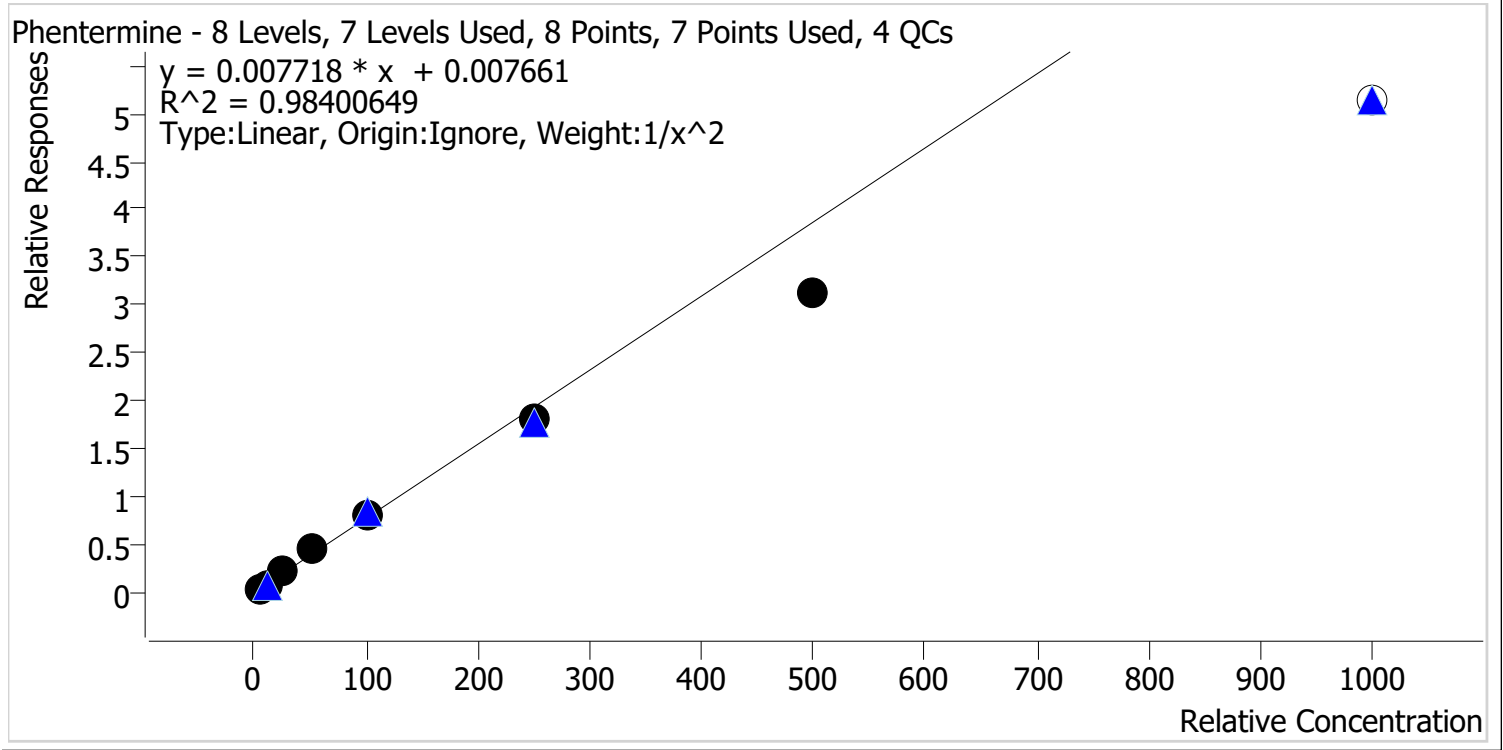


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✓	1000.0	956.8	95.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**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	95.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	26.7	107.0
p1 Cal 4-50ng	4	✓	50.0	56.7	113.5
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	233.5	93.4
p1 Cal 7-500ng	7	✓	500.0	405.9	81.2
p1 Cal 8-1000ng	8	✗	1000.0	664.0	66.4

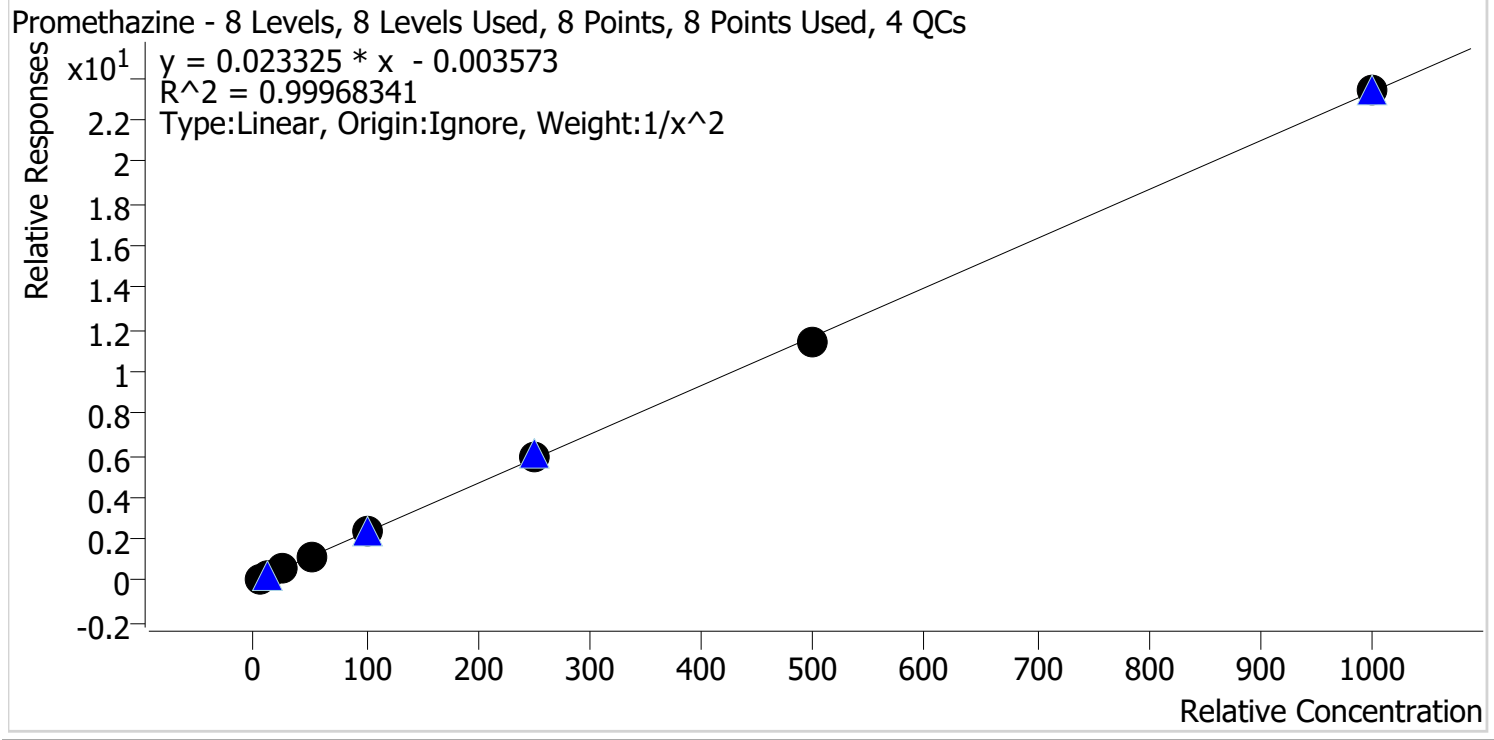
Calibrator 8 dropped due to not meeting accuracy requirement.

g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



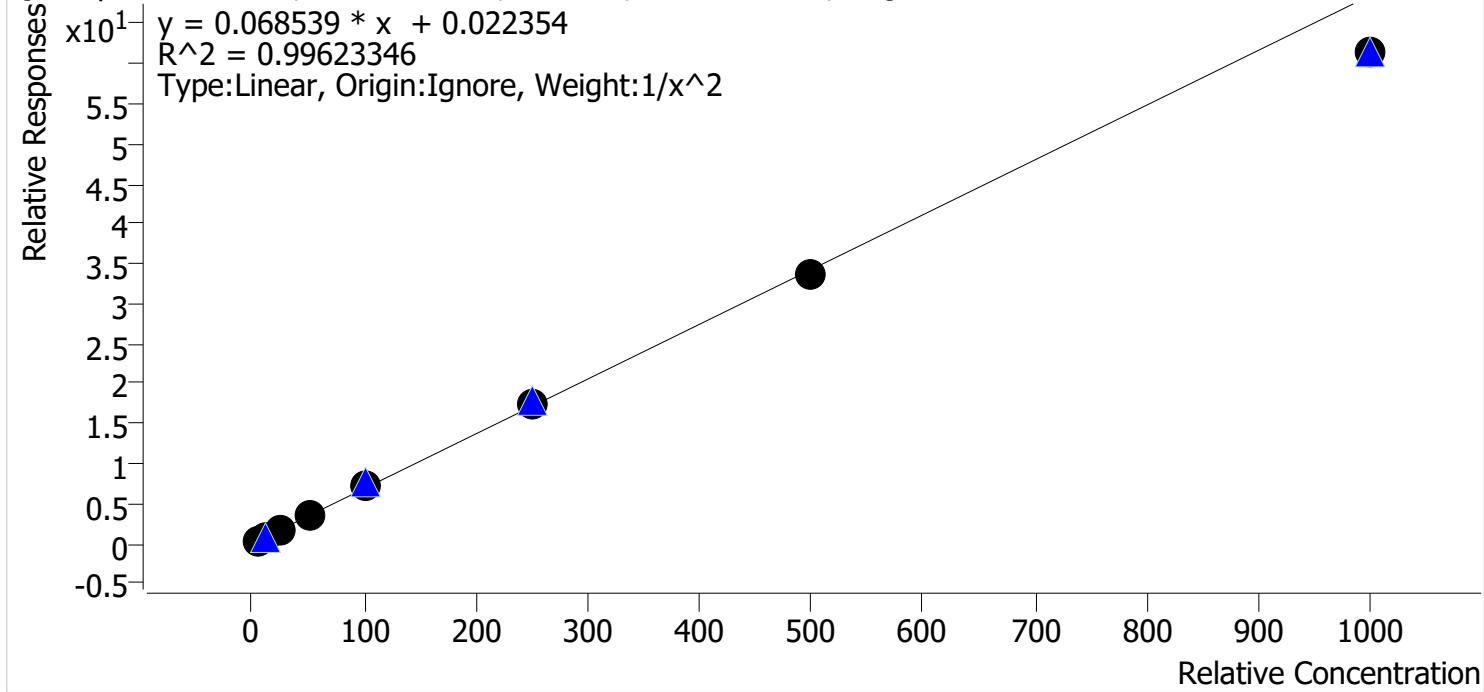
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	51.4	102.9
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	491.6	98.3
p1 Cal 8-1000ng	8	✓	1000.0	1000.8	100.1



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

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



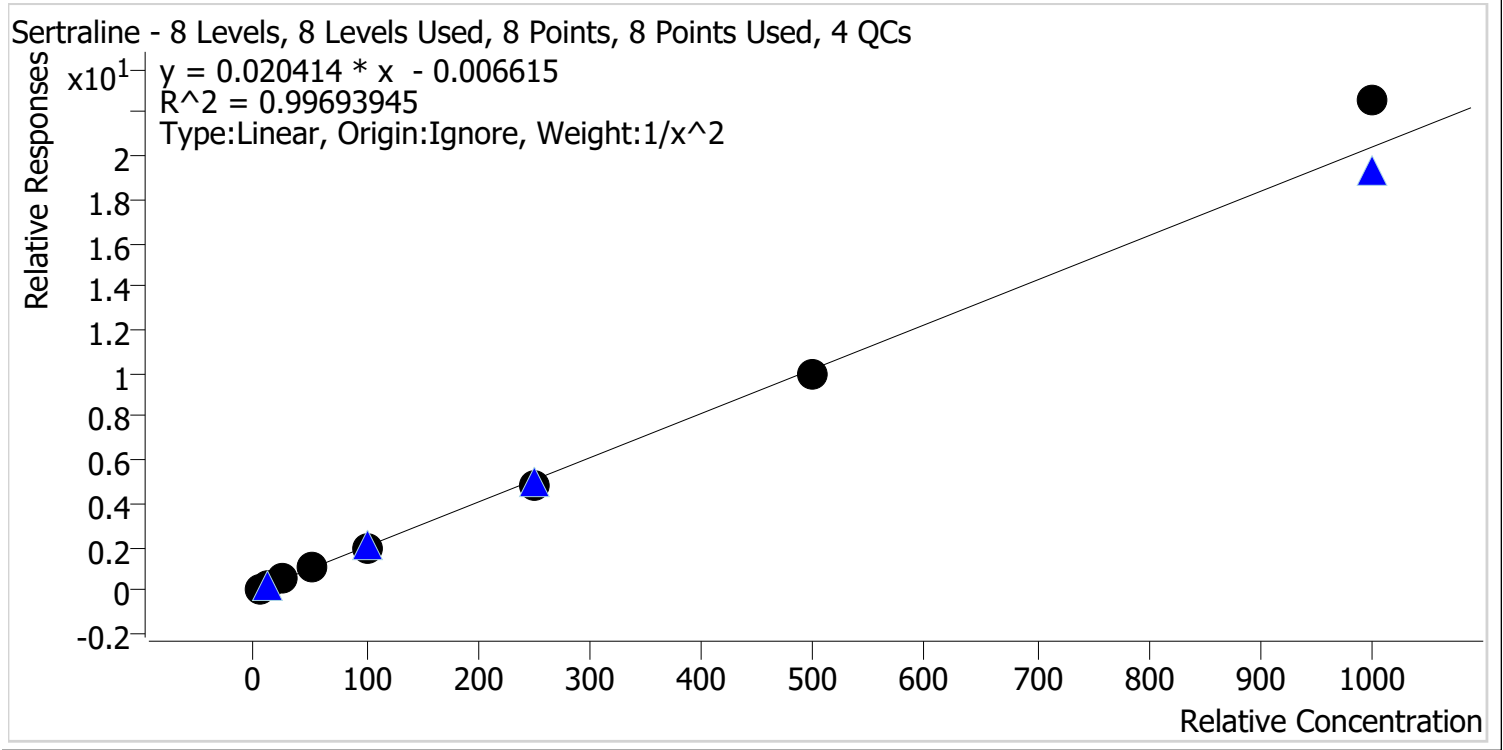
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	252.4	100.9
p1 Cal 7-500ng	7	✓	500.0	487.9	97.6
p1 Cal 8-1000ng	8	✓	1000.0	895.9	89.6





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

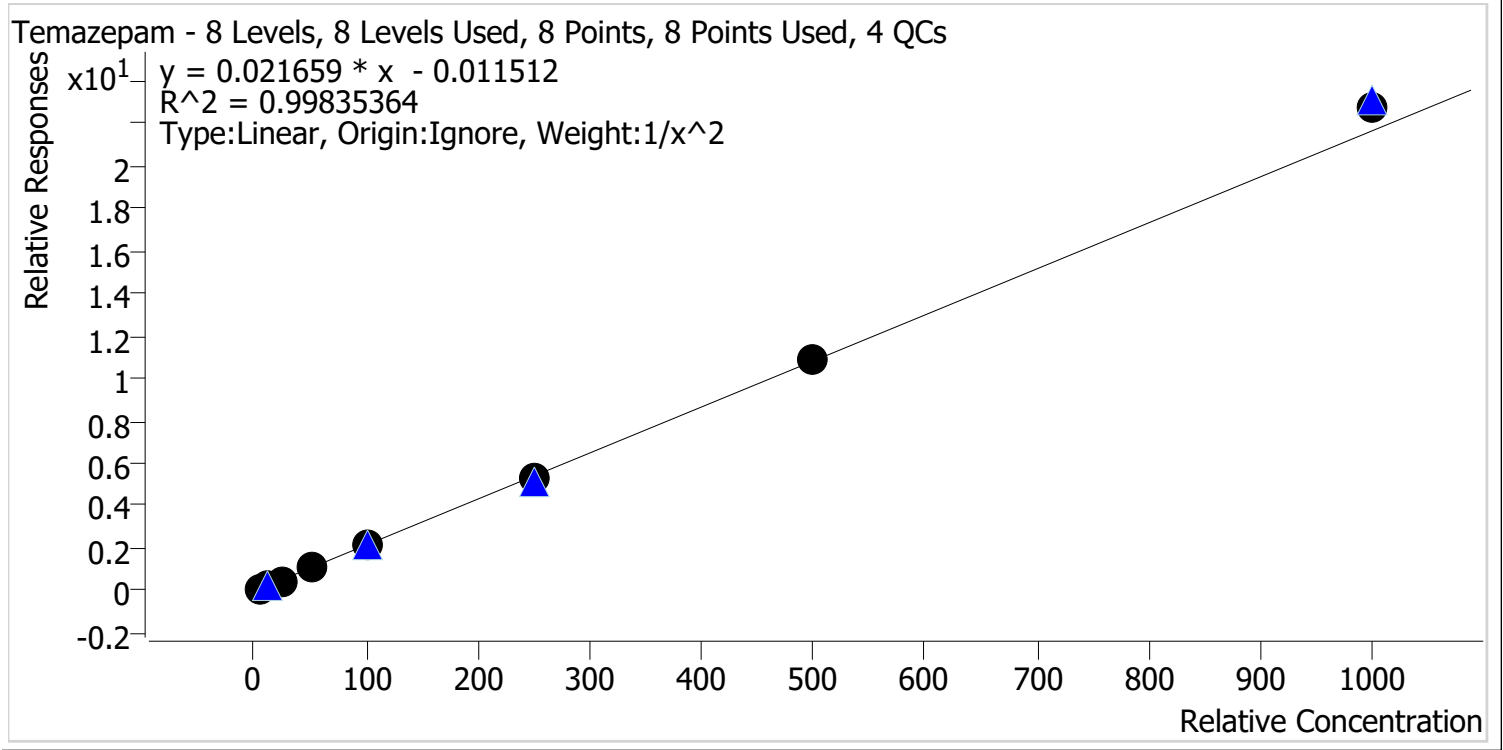


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	239.2	95.7
p1 Cal 7-500ng	7	✓	500.0	491.9	98.4
p1 Cal 8-1000ng	8	✓	1000.0	1104.5	110.5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

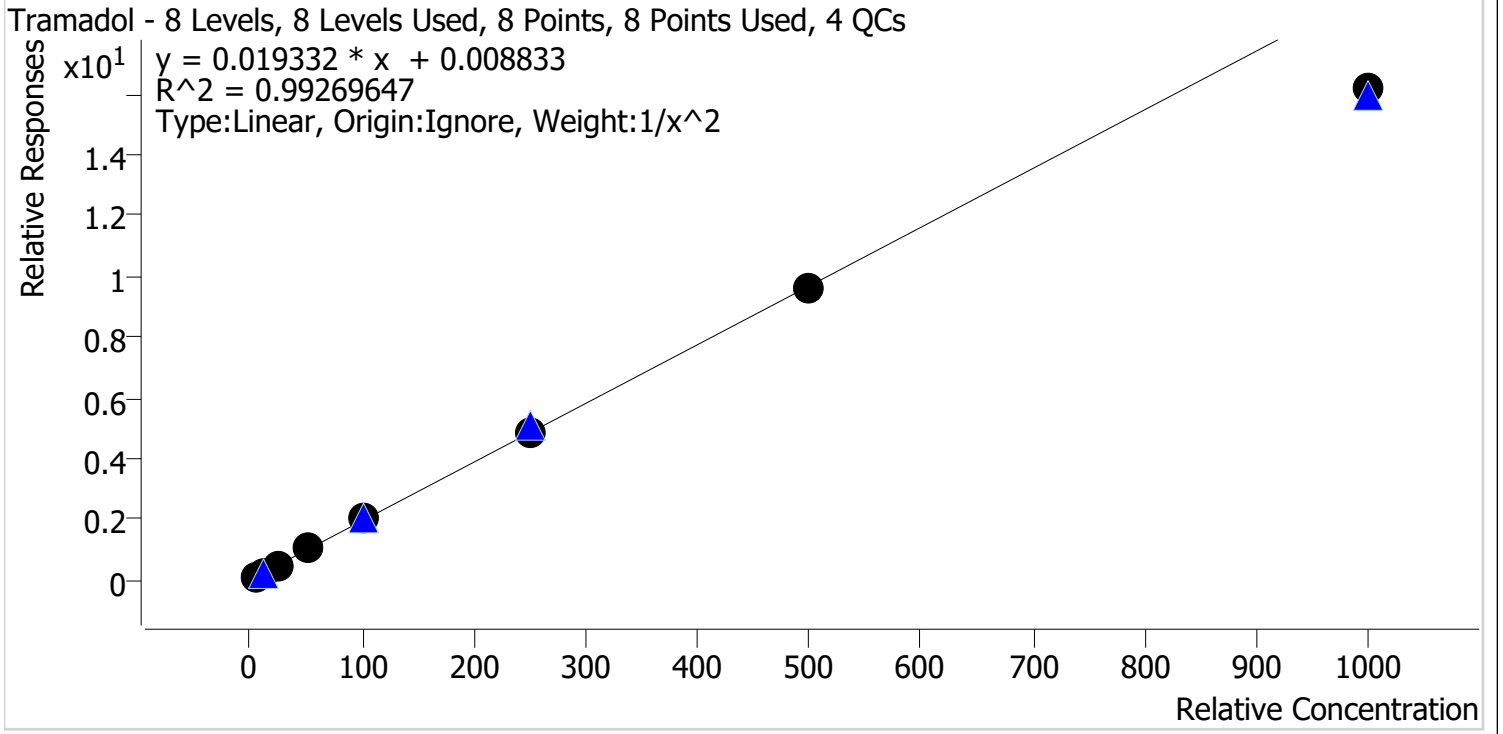


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1053.6	105.4



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



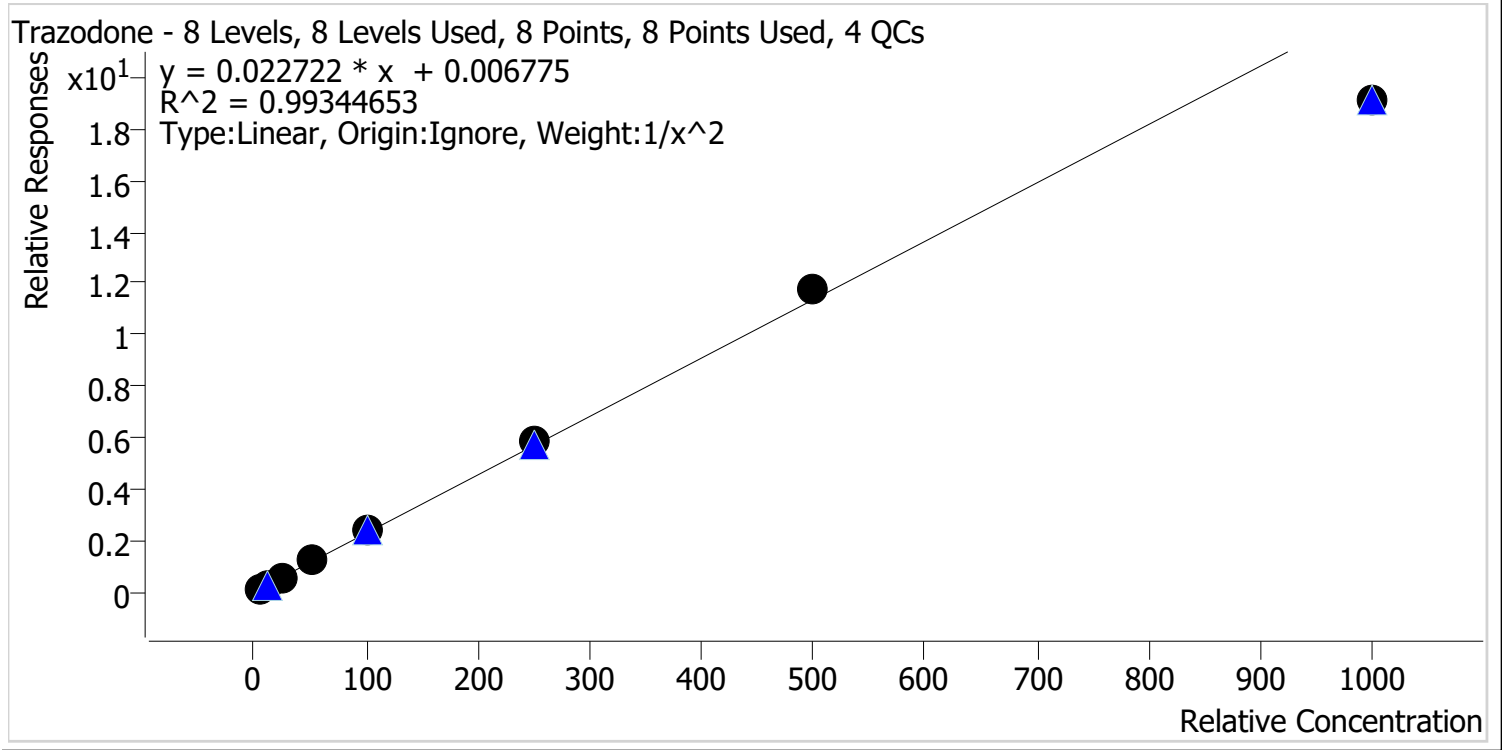
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	54.6	109.1
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	253.1	101.3
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	836.1	83.6

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

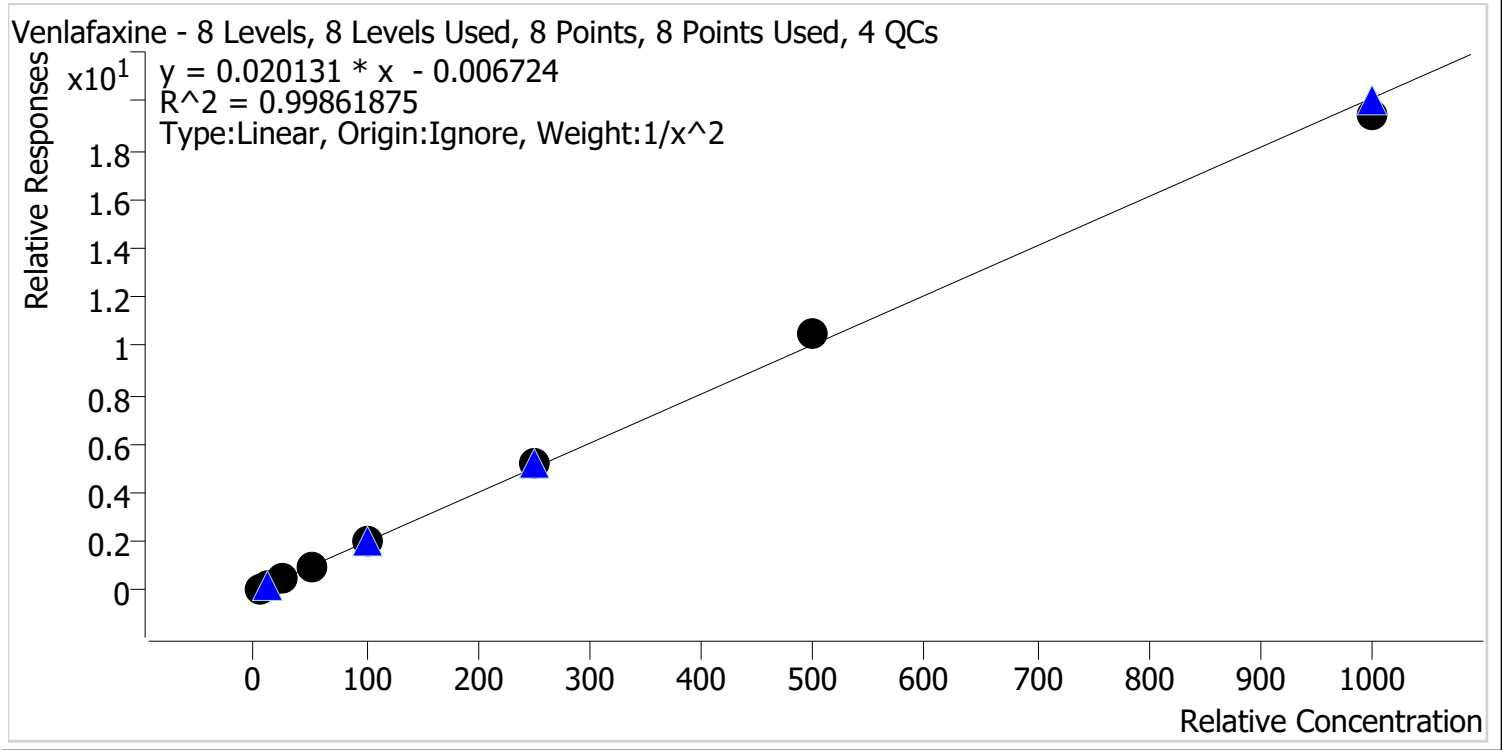


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	53.8	107.7
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	256.5	102.6
p1 Cal 7-500ng	7	✓	500.0	517.6	103.5
p1 Cal 8-1000ng	8	✓	1000.0	839.2	83.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6

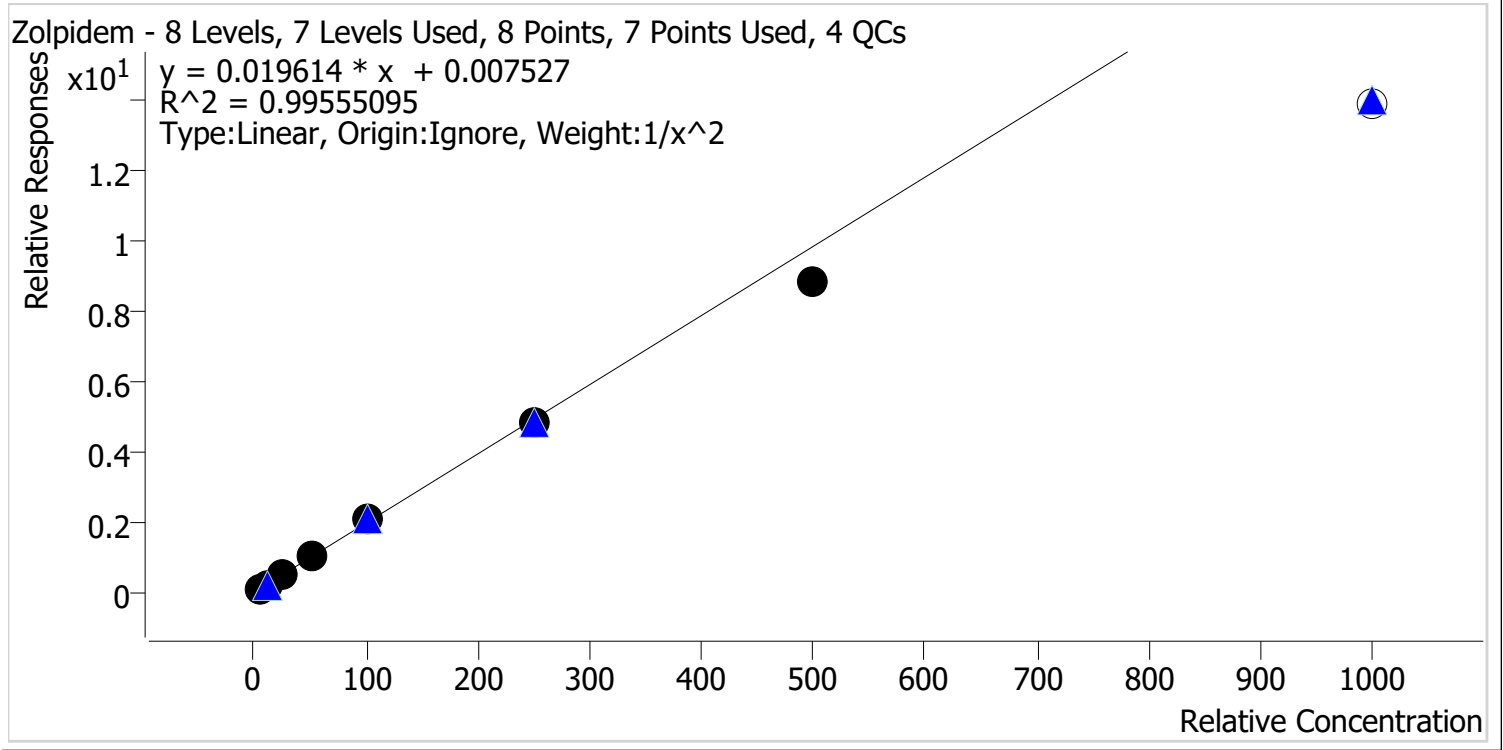


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	256.4	102.6
p1 Cal 7-500ng	7	✓	500.0	520.0	104.0
p1 Cal 8-1000ng	8	✓	1000.0	966.3	96.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/26/2021 3:07 PM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	448.8	89.8
p1 Cal 8-1000ng	8	✗	1000.0	703.8	70.4

Calibrator 8 dropped due to not meeting accuracy requirement.

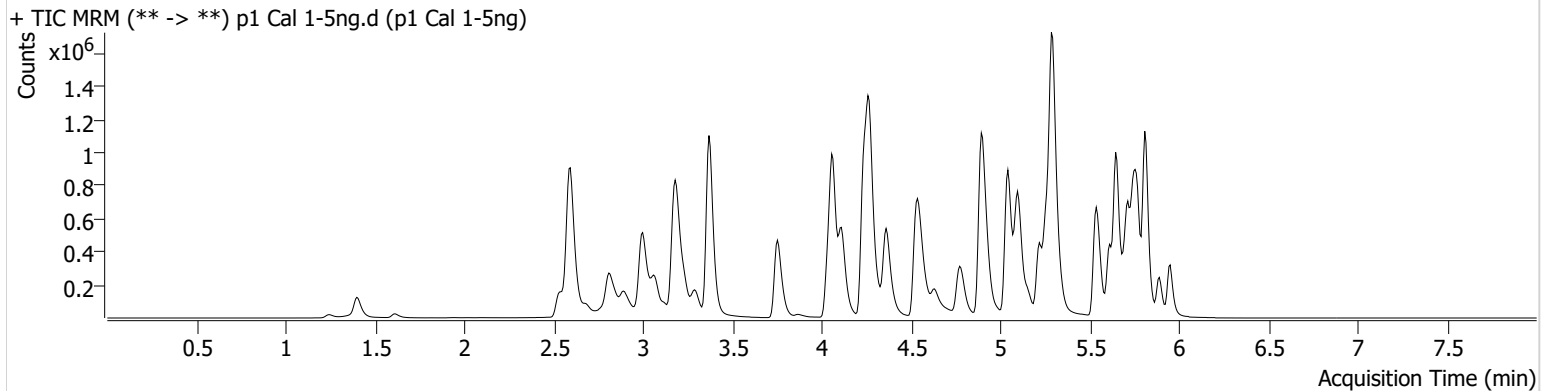
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 1-5ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/23/2021 12:29:39 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	2508	5986.09	76.1	406.79	132218	0.5033 ng/ml
7-aminoclonazepam	4.271	52535	248908.83	77.4	76.77	380577	5.0514 ng/ml
a-hydroxyalprazolam	5.699	29928	296.36	55.2	152.35	670401	4.8904 ng/ml
alpha-PHP	4.937	42060	612.76	266.4	2127.41	1290414	4.9141 ng/ml
alpha-PVP	4.370	144255	367.50	52.5	177.27	1290414	5.1140 ng/ml
Alprazolam	5.775	92527	321.41	113.9	974.99	670401	5.0634 ng/ml
Amphetamine	3.069	297567	2362.56	49.8	1593.30	581318	4.8648 ng/ml
Benzoylecgonine	3.892	4361	210.49	7.7	439.73	31348	4.9862 ng/ml
Buprenorphine	5.806	2859	48.38	17.1	361.60	232265	0.4893 ng/ml
Bupropion	4.795	106234	399.89	59.6	145.77	750034	5.0842 ng/ml
Carisoprodol	5.724	90441	172603.66	55.0	356.40	924127	5.1188 ng/ml
Citalopram	5.219	115383	3887.63	42.7	374.55	1070119	5.0763 ng/ml
Clonazepam	5.612	114398	619.48	31.3	601.85	265496	4.8820 ng/ml
Clonazepam	5.555	75929	3896.45	37.3	32232.28	265496	4.9018 ng/ml
Cocaine	4.264	120306	167320.83	50.8	331.18	2248681	5.0856 ng/ml
Codeine	2.587	14344	479.37	102.9	96563.24	141035	4.8054 ng/ml
Cyclobenzaprine	5.622	58057	136.31	9.3	69.38	478691	5.0972 ng/ml
Dextromethorphan	5.268	67604	2774.39	79.7	372.07	641184	5.0636 ng/ml
Dextrophan	4.118	45087	1507.44	203.9	1335.73	1075524	5.1428 ng/ml
Diazepam	5.953	60551	793.78	88.9	147.10	562969	4.9962 ng/ml
Dihydrocodeine	2.565	32831	7236.94	69.1	131.38	413407	4.6599 ng/ml
Diphenhydramine	5.296	303029	1156.91	33.1	4595.11	3809060	5.0705 ng/ml
Doxylamine	4.549	293003	3834.01	98.4	12446.98	2519234	5.0292 ng/ml
EDDP	5.261	79264	784.96	42.2	407.97	848091	5.0846 ng/ml
Etizolam	5.813	58171	85228.78	25.5	189.06	265496	5.1562 ng/ml
Fentanyl	5.109	8783	93.16	69.8	24.09	872386	0.5046 ng/ml
Flualprazolam	5.705	44434	904.69	96.8	51057.43	670401	4.9242 ng/ml
Fluoxetine	5.700	39846	144307.96	9.8	68.56	334614	4.8500 ng/ml
Hydrocodone	3.025	53472	128.61	40.7	85.01	1279417	4.8130 ng/ml
Hydromorphone	1.615	45039	914.27	75.6	1638.80	14617	5.0094 ng/ml
Ketamine	4.059	116223	3394.15	36.6	139.53	1042167	5.0262 ng/ml
Lamotrigine	4.280	11009	294.29	80.6	52.66	1042167	4.8329 ng/ml
Levetiracetam	2.683	45240	168.71	169.3	1251.24	2558492	5.1791 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	102084	998.96	55.4	165.34	265496	4.7875 ng/ml
MDA	3.209	204509	949.75	25.3	453.67	997332	4.8171 ng/ml
MDMA	3.296	120270	4035.21	76.8	828.17	226092	5.0821 ng/ml
Meprobamate	4.924	54064	3139.24	28.0	1051.61	472650	4.9481 ng/ml
Methadone	5.653	206045	813.42	47.0	191.54	1903422	5.0408 ng/ml
Methamphetamine	3.238	216788	1374.85	37.7	387.57	1600792	4.8384 ng/ml
Metoprolol	4.326	28362	2771.64	92.5	744.77	2466799	4.8439 ng/ml
Mirtazapine	4.631	200522	2184.09	49.7	5336.28	1290414	4.9726 ng/ml
Mitragynine	5.237	33345	33700.41	38.3	16065.61	1903422	5.1336 ng/ml
Morphine	1.253	6463	799.52	27.9	235.71	14617	5.0848 ng/ml
Norbuprenorphine	4.992	545	98.63	95.5	1117.50	37306	0.4756 ng/ml
Nordiazepam	5.900	59460	709.27	55.4	1557.04	395844	4.9640 ng/ml
Norfentanyl	4.086	24647	388.54	34.6	519.98	2131034	0.5209 ng/ml
Norhydrocodone	3.066	8048	41.66	44.3	23.92	156287	5.0632 ng/ml
Noroxycodone	2.916	60691	596.39	42.1	104667.73	417653	5.0393 ng/ml
O-desmethyl-tramadol	3.376	226829	5489.21	6.9	1407.01	2770262	5.0592 ng/ml
Oxazepam	5.749	117789	204.55	75.1	276.20	954662	4.9304 ng/ml
Oxycodone	2.841	114811	1092.14	27.2	518.75	971941	4.9884 ng/ml
Oxymorphone	1.405	49805	367.56	43.3	180.24	361999	4.9485 ng/ml
Phentermine	3.790	60287	317.47	4.3	27.36	1354824	4.7729 ng/ml
Promethazine	5.538	121017	3308.18	27.8	232.15	1066999	5.0157 ng/ml
Pseudoephedrine	2.603	263283	2063.91	16.6	885.66	2558492	5.1582 ng/ml
Quetiapine	5.548	133727	3347.83	54.0	11535.59	372108	4.9173 ng/ml
Sertraline	5.769	11866	76.60	103.3	61.72	121716	5.0995 ng/ml
Temazepam	5.816	203677	2302.88	30.7	199.43	2041643	5.1375 ng/ml
Tramadol	4.252	255072	222615.64	3.7	143.85	2466799	4.8919 ng/ml
Trazodone	5.156	132717	171654.96	80.9	293281.78	1108133	4.9727 ng/ml
Venlafaxine	5.043	218732	266.41	40.3	193.21	2302359	5.0532 ng/ml
Zolpidem	4.914	266922	294103.78	31.5	2188.01	2567708	4.9161 ng/ml



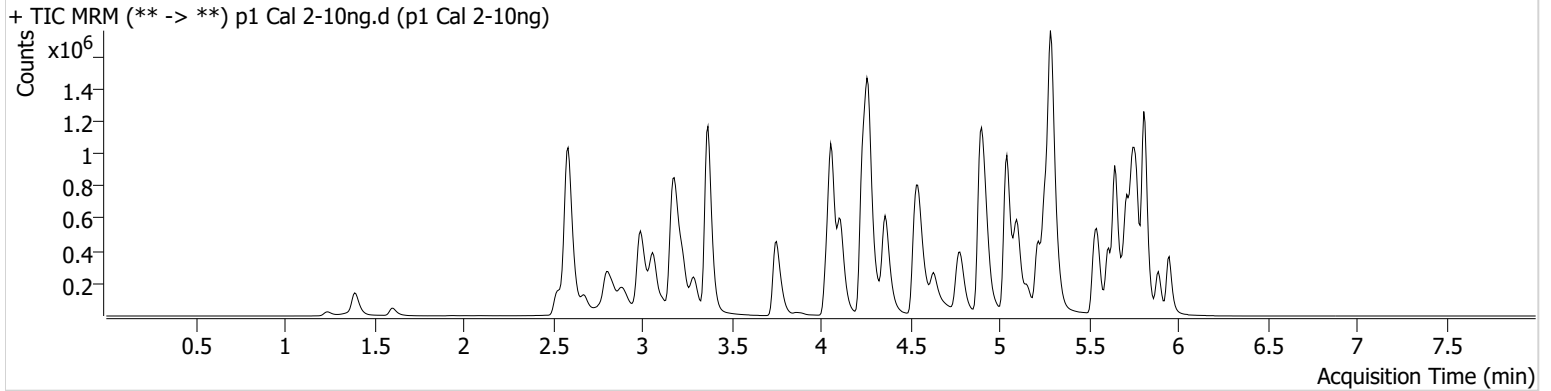


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
Calibration Last Update 4/26/2021 3:07:14 PM

Instrument Instrument 1 Data File p1 Cal 2-10ng.d  
Type Cal Sample p1 Cal 2-10ng  
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum  
Sample Position P2-B1 Comment  
Injection Volume 2  
Acq. Date-Time 4/23/2021 12:40:24 PM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	5181	61.19	66.8	157.11	129778	1.0083 ng/ml
7-aminoclonazepam	4.271	102176	3416.21	80.1	14286.90	381069	9.8301 ng/ml
a-hydroxyalprazolam	5.692	60583	94.51	55.8	306.23	677420	10.3650 ng/ml
alpha-PHP	4.937	80158	1942.56	274.1	1697.95	1307205	10.1312 ng/ml
alpha-PVP	4.370	285305	6321.96	52.4	1041.37	1307205	9.7080 ng/ml
Alprazolam	5.775	185287	756.50	114.3	8907.71	677420	9.8046 ng/ml
Amphetamine	3.069	572640	634.31	49.1	732.29	579291	10.2003 ng/ml
Benzoylcegonine	3.892	8081	1413.00	8.0	1923.02	29781	10.0771 ng/ml
Buprenorphine	5.812	4950	117.01	14.1	1437.95	196541	1.0034 ng/ml
Bupropion	4.795	232413	15942.30	61.0	535.57	841232	9.7716 ng/ml
Carisoprodol	5.724	178271	542.60	56.3	431.30	916612	9.7209 ng/ml
Citalopram	5.219	202431	3967.34	43.2	1839.27	943953	9.8392 ng/ml
Clonazepam	5.612	222193	6150.84	32.2	57516.66	256640	10.2099 ng/ml
Clonazepam	5.555	146793	5211.10	37.7	82399.04	256640	10.0879 ng/ml
Cocaine	4.264	231084	15669.08	51.6	18173.93	2187826	9.8349 ng/ml
Codeine	2.580	27200	362.62	98.7	543.84	135691	10.2667 ng/ml
Cyclobenzaprine	5.622	63102	85754.34	8.8	63.32	262637	9.8517 ng/ml
Dextromethorphan	5.268	109307	42794.01	79.6	3019.70	532989	9.7476 ng/ml
Dextrophan	4.111	84542	3937.51	208.9	465.14	1057347	9.6375 ng/ml
Diazepam	5.953	117943	724.34	88.2	2956.84	554720	9.9451 ng/ml
Dihydrocodeine	2.559	66573	3114.64	64.9	217.10	374665	10.9772 ng/ml
Diphenhydramine	5.296	546102	17957.61	32.7	373.57	3439231	9.7956 ng/ml
Doxylamine	4.550	564162	10520.30	99.7	20621.34	2491308	9.8712 ng/ml
EDDP	5.261	195501	227.07	42.5	148.68	1049393	9.8455 ng/ml
Etizolam	5.813	110515	343910.05	25.6	36281.89	256640	9.6926 ng/ml
Fentanyl	5.109	11560	118.19	69.2	10355.65	568365	0.9859 ng/ml
Flualprazolam	5.705	87188	2563.69	95.6	9887.95	677420	9.9782 ng/ml
Fluoxetine	5.700	34561	332.00	8.8	2812.54	140560	10.3704 ng/ml
Hydrocodone	3.018	104974	72.26	37.3	181.63	1231956	10.4065 ng/ml
Hydromorphone	1.608	87483	753422.85	76.4	2204.03	14771	9.8042 ng/ml
Ketamine	4.051	214297	2450.05	37.1	132.54	1030232	9.7333 ng/ml
Lamotrigine	4.280	20080	1187.25	79.5	648.29	1030232	10.3204 ng/ml
Levetiracetam	2.676	87765	852.65	165.2	1535.97	2610249	9.5184 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	197533	1245.03	55.6	184.67	256640	10.6225 ng/ml
MDA	3.203	387053	3502.52	24.6	799.49	971926	10.2292 ng/ml
MDMA	3.296	227239	5843.81	77.3	1945.74	218821	9.7531 ng/ml
Meprobamate	4.924	104413	13045.96	27.0	394.93	473577	10.0370 ng/ml
Methadone	5.653	333251	1106.81	45.9	288.27	1562325	9.8714 ng/ml
Methamphetamine	3.238	415755	1036.90	37.4	1191.95	1571689	10.3034 ng/ml
Metoprolol	4.326	55753	1277.74	90.4	1227.01	2434895	10.2579 ng/ml
Mirtazapine	4.631	357683	553.05	49.5	15705.10	1307205	10.5820 ng/ml
Mitragynine	5.237	46529	1312.22	40.1	427.29	1562325	9.4748 ng/ml
Morphine	1.247	12187	4857.41	29.8	1338.78	14771	9.6080 ng/ml
Norbuprenorphine	4.992	946	301.02	89.5	729.18	33055	1.1441 ng/ml
Nordiazepam	5.900	110432	825.00	57.4	220.90	374272	9.9682 ng/ml
Norfentanyl	4.086	49043	756.41	33.3	88.08	2163537	0.9589 ng/ml
Norhydrocodone	3.066	15904	98.60	41.8	41.53	147006	9.8015 ng/ml
Noroxycodone	2.909	118527	368.33	42.5	2206.84	406996	9.9244 ng/ml
O-desmethyl-tramadol	3.376	440476	13915.05	6.8	335.55	2726534	9.8022 ng/ml
Oxazepam	5.749	231898	551.42	75.4	183.06	939128	10.0528 ng/ml
Oxycodone	2.834	220974	2141.92	26.8	2558.38	960759	9.9084 ng/ml
Oxymorphone	1.398	98407	1504.90	42.4	11690.49	350797	10.1599 ng/ml
Phentermine	3.790	116334	2403.93	4.5	27.19	1327152	10.3648 ng/ml
Promethazine	5.538	135644	340.13	27.6	233.85	592624	9.9660 ng/ml
Pseudoephedrine	2.596	533022	876.92	16.2	9587.50	2610249	9.7181 ng/ml
Quetiapine	5.548	230265	341817.47	58.9	201.82	322353	10.0961 ng/ml
Sertraline	5.769	7503	99.73	99.1	59.30	39366	9.6600 ng/ml
Temazepam	5.816	401801	1516.37	29.8	179.42	2029405	9.6727 ng/ml
Tramadol	4.246	495903	684.18	3.6	154.19	2434895	10.0783 ng/ml
Trazodone	5.156	198054	2530.35	79.5	217512.75	856096	9.8832 ng/ml
Venlafaxine	5.043	436421	1143.19	38.8	178.81	2256630	9.9407 ng/ml
Zolpidem	4.921	517916	3523.32	31.2	1499.55	2508958	10.1405 ng/ml

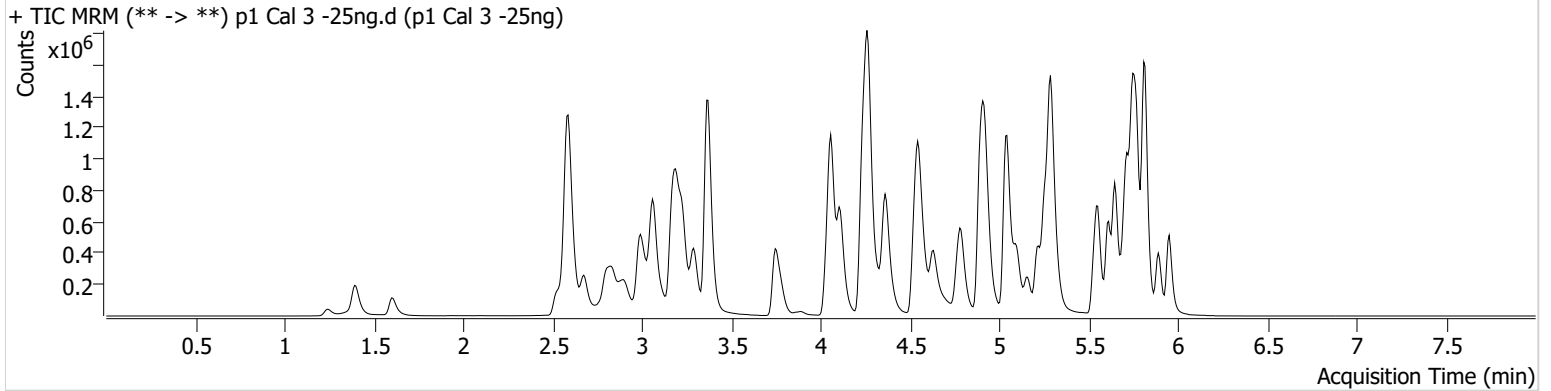
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

<b>Instrument</b>	Instrument 1	<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>	4/23/2021 12:50:59 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	12457	486.18	68.8	190.12	130523	2.3460 ng/ml
7-aminoclonazepam	4.271	242985	476.41	81.5	44854.61	367178	24.2898 ng/ml
a-hydroxyalprazolam	5.692	140018	1025.14	55.6	465.37	662182	25.2791 ng/ml
alpha-PHP	4.937	173577	2078.78	264.5	2623.02	1202774	25.2039 ng/ml
alpha-PVP	4.370	653757	16238.05	52.4	462.75	1202774	23.7441 ng/ml
Alprazolam	5.775	450857	1507.89	113.9	772.34	662182	24.0577 ng/ml
Amphetamine	3.063	1280991	4093.42	49.7	543.82	529177	26.2324 ng/ml
Benzoylecgonine	3.892	20036	417.54	7.7	744.79	30496	24.9249 ng/ml
Buprenorphine	5.812	8555	828.08	11.8	3707.02	129564	2.6344 ng/ml
Bupropion	4.788	567037	15970.86	61.5	259.42	828882	23.9696 ng/ml
Carisoprodol	5.724	428728	∞	54.2	2121.69	871184	23.8969 ng/ml
Citalopram	5.219	352800	9077.08	42.5	138197.15	664458	23.9769 ng/ml
Clonazepam	5.612	536630	17325.27	32.3	252.39	255251	25.3595 ng/ml
Clonazepam	5.549	364409	11394.00	36.5	186582.12	255251	25.6045 ng/ml
Cocaine	4.264	540942	17067.82	51.3	576.53	2091157	23.7812 ng/ml
Codeine	2.580	65794	104.48	100.9	141.27	133259	26.4859 ng/ml
Cyclobenzaprine	5.615	120628	409.61	9.1	383.96	205682	23.6866 ng/ml
Dextromethorphan	5.262	168284	494.29	77.8	184110.61	321664	24.6993 ng/ml
Dextrophan	4.111	189093	3670.61	203.6	1435.54	952195	23.6561 ng/ml
Diazepam	5.953	291131	421.36	86.1	1630.51	558306	24.4928 ng/ml
Dihydrocodeine	2.559	162715	232.58	64.7	854.47	393577	26.1314 ng/ml
Diphenhydramine	5.289	918168	31300.56	33.7	391.18	2301850	24.1142 ng/ml
Doxylamine	4.549	1287396	2571.67	98.6	5080.17	2312954	24.3845 ng/ml
EDDP	5.261	394079	402.42	42.2	17111.98	865793	23.6335 ng/ml
Etizolam	5.813	270297	62950.14	26.2	124732.83	255251	23.1680 ng/ml
Fentanyl	5.103	17602	1215.16	68.0	36257.98	341567	2.4475 ng/ml
Flualprazolam	5.698	212090	950.59	93.6	42376.76	662182	25.4888 ng/ml
Fluoxetine	5.700	111625	69434.47	8.7	26194.19	188427	25.4566 ng/ml
Hydrocodone	3.018	243515	∞	40.0	395.09	1200047	25.5724 ng/ml
Hydromorphone	1.601	213845	3543.21	75.6	5905.75	14074	25.4512 ng/ml
Ketamine	4.051	511420	2455.93	38.1	689.50	984804	24.9200 ng/ml
Lamotrigine	4.280	44449	806.59	79.2	455.44	984804	26.0843 ng/ml
Levetiracetam	2.676	216463	1242.79	161.5	696.49	2530312	23.6531 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	464118	16079.76	56.1	334.89	255251	26.5073 ng/ml
MDA	3.203	860690	1742.01	23.9	1029.23	877187	26.5616 ng/ml
MDMA	3.290	520210	3594.60	76.3	3335.64	199207	24.2581 ng/ml
Meprobamate	4.917	249282	69349.14	27.7	459.28	454613	25.7635 ng/ml
Methadone	5.653	529209	592.49	46.3	509.73	998659	24.4299 ng/ml
Methamphetamine	3.231	928734	3283.47	38.3	4103.36	1472772	25.7999 ng/ml
Metoprolol	4.326	127206	922.16	90.0	2025.10	2289510	25.7703 ng/ml
Mirtazapine	4.631	603273	2450.01	48.9	17660.21	1202774	21.3969 ng/ml
Mitragynine	5.237	73239	69555.97	39.0	45611.95	998659	24.8926 ng/ml
Morphine	1.247	29694	145.37	29.5	148.54	14074	24.7873 ng/ml
Norbuprenorphine	4.986	1124	1638.13	114.9	1173.53	22367	2.1729 ng/ml
Nordiazepam	5.900	278849	11889.12	58.6	528.12	382108	24.9866 ng/ml
Norfentanyl	4.086	114720	749.91	33.3	392.46	2044276	2.2787 ng/ml
Norhydrocodone	3.060	36459	226.96	40.9	77.91	124532	25.2296 ng/ml
Noroxycodone	2.909	278557	1066.72	42.9	2854.94	390595	24.0513 ng/ml
O-desmethyl-tramadol	3.369	1078093	44580.21	6.9	5163.45	2681135	24.1226 ng/ml
Oxazepam	5.749	551023	4537.09	74.8	1344.59	903151	25.1112 ng/ml
Oxycodone	2.834	538438	878.48	26.3	876.85	942003	24.9312 ng/ml
Oxymorphone	1.398	233246	∞	43.3	∞	345126	24.5718 ng/ml
Phentermine	3.783	259482	996.86	4.5	334.09	1211919	26.7486 ng/ml
Promethazine	5.538	254400	837.28	27.7	1366.88	448674	24.4618 ng/ml
Pseudoephedrine	2.596	1257531	4220.17	16.6	2666.91	2530312	22.8976 ng/ml
Quetiapine	5.548	400591	149253.69	58.2	366.28	228025	25.3059 ng/ml
Sertraline	5.769	47174	71.06	99.6	52037.34	94664	24.7349 ng/ml
Temazepam	5.816	957621	20679.18	28.8	1010.03	1927958	23.4643 ng/ml
Tramadol	4.246	1166297	758.58	3.6	1363.41	2289510	25.8940 ng/ml
Trazodone	5.156	321434	11539.92	80.0	47150.29	553496	25.2597 ng/ml
Venlafaxine	5.043	965658	16885.48	39.7	393.95	2055552	23.6700 ng/ml
Zolpidem	4.914	1177800	3594.92	31.3	1502.00	2350936	25.1584 ng/ml

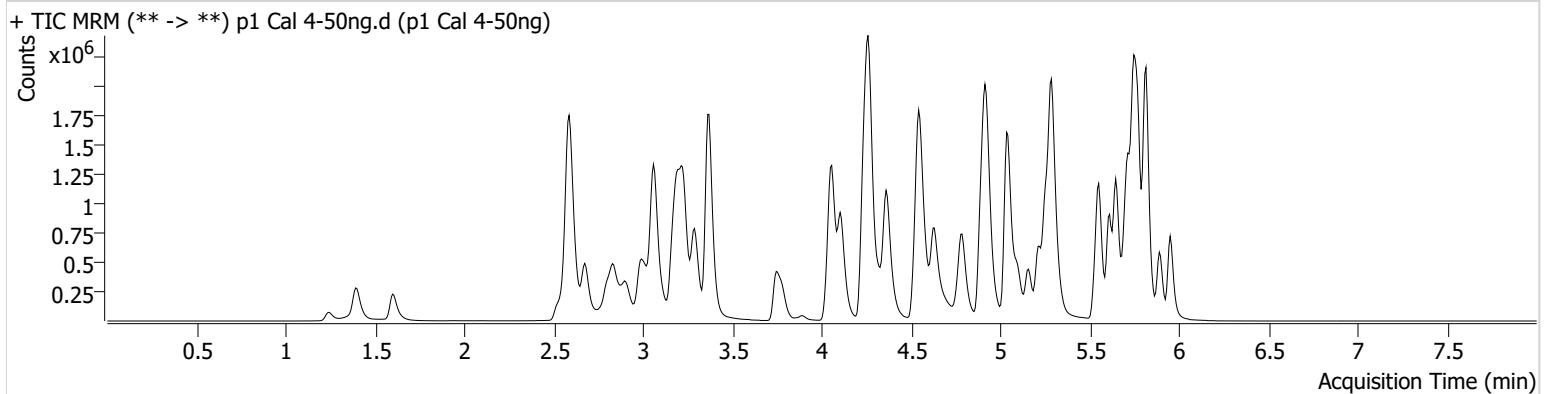
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 4-50ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 4-50ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-D1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/23/2021 1:01:35 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	25270	398.54	70.5	266.09	121393	5.0624 ng/ml
7-aminoclonazepam	4.271	476117	8070.88	79.9	6186.50	333547	52.4159 ng/ml
a-hydroxyalprazolam	5.692	260474	1046.77	59.4	399.44	597424	52.7253 ng/ml
alpha-PPH	4.937	335448	4002.95	268.9	41952.81	1120548	53.3624 ng/ml
alpha-PVP	4.370	1319892	63207.64	52.1	961.76	1120548	51.1168 ng/ml
Alprazolam	5.775	886918	1033.39	113.1	1758.76	597424	52.1794 ng/ml
Amphetamine	3.063	2502602	3508.65	49.2	5176.48	502260	54.9110 ng/ml
Benzoylcegonine	3.892	38350	510.67	8.3	99.62	29270	50.0729 ng/ml
Buprenorphine	5.812	16279	555.73	14.2	1929.82	118853	5.4674 ng/ml
Bupropion	4.788	972132	15445.11	60.9	596.04	660498	51.3936 ng/ml
Carisoprodol	5.724	815460	50938.15	55.0	11172.25	778715	50.3343 ng/ml
Citalopram	5.212	699336	885.69	43.3	219680.48	619785	50.6612 ng/ml
Clonazepam	5.612	1047211	89298.48	32.0	598211.93	232190	54.8577 ng/ml
Clonazepam	5.549	704654	421821.04	36.4	330189.26	232190	54.7488 ng/ml
Cocaine	4.264	1076236	32956.09	51.8	1364.90	1945247	50.6231 ng/ml
Codeine	2.580	127625	4394.15	103.5	3089.43	121885	57.0890 ng/ml
Cyclobenzaprine	5.615	190440	10102.78	8.9	92.78	153776	49.7388 ng/ml
Dextromethorphan	5.262	341647	8434.39	80.1	7631.40	310940	51.7552 ng/ml
Dextrophan	4.111	382910	2224.31	207.4	5486.78	898575	50.5450 ng/ml
Diazepam	5.953	565981	621.65	87.0	613.45	495305	53.7561 ng/ml
Dihydrocodeine	2.559	324913	8475.49	64.7	293.71	374800	55.2822 ng/ml
Diphenhydramine	5.289	1882835	64172.52	33.2	43287.16	2204417	51.2631 ng/ml
Doxylamine	4.550	2567905	24386.13	99.0	2339.97	2199250	51.2449 ng/ml
EDDP	5.254	793393	8301.79	41.7	380.20	801989	51.0240 ng/ml
Etizolam	5.813	529531	14293.27	25.8	366764.91	232190	49.3683 ng/ml
Fentanyl	5.103	33475	169.46	68.6	937.62	305636	5.1649 ng/ml
Flualprazolam	5.698	411558	7459.79	96.2	9958.30	597424	55.3303 ng/ml
Fluoxetine	5.700	132560	6570.89	9.0	348.68	106573	53.8176 ng/ml
Hydrocodone	3.018	501646	823.38	38.4	234.20	1149089	55.6742 ng/ml
Hydromorphone	1.601	412157	20.13	78.6	1359663.63	13480	51.4071 ng/ml
Ketamine	4.051	1028866	19437.15	37.9	949.05	925817	53.7999 ng/ml
Lamotrigine	4.273	86421	1574.18	80.8	991.16	925817	55.7190 ng/ml
Levetiracetam	2.676	437855	1040.71	164.3	841.92	2359151	50.8883 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	833145	12212.76	56.7	1513.13	232190	53.3191 ng/ml
MDA	3.196	1650188	6918.11	24.1	2877.26	808203	56.2757 ng/ml
MDMA	3.290	1042508	10200.90	77.5	6010.51	187813	51.3641 ng/ml
Meprobamate	4.917	468396	22313.00	27.2	4631.00	414846	53.6203 ng/ml
Methadone	5.646	1066118	1725.83	46.2	407.96	959101	51.1757 ng/ml
Methamphetamine	3.231	1874490	1636.84	37.7	2763.36	1409842	55.3884 ng/ml
Metoprolol	4.326	257989	128106.76	90.9	2139.55	2200142	55.0730 ng/ml
Mirtazapine	4.631	1252662	9864.86	49.1	3648.99	1120548	50.6389 ng/ml
Mitragynine	5.237	137871	11669.94	40.2	331.12	959101	49.8177 ng/ml
Morphine	1.247	58981	18651.16	30.8	89.34	13480	51.5522 ng/ml
Norbuprenorphine	4.986	2560	57.44	98.8	76.78	22735	5.1440 ng/ml
Nordiazepam	5.900	550253	1030.22	56.8	912.85	349661	54.1423 ng/ml
Norfentanyl	4.079	231275	201.49	33.7	393.64	1881272	4.9152 ng/ml
Norhydrocodone	3.059	66952	282.58	41.8	86.13	114596	49.5927 ng/ml
Noroxycodone	2.903	553651	514.61	42.1	483.26	358970	51.8126 ng/ml
O-desmethyl-tramadol	3.369	2199975	1458.65	6.8	758.46	2542485	51.6965 ng/ml
Oxazepam	5.749	1051275	∞	73.0	2340.87	799522	54.3325 ng/ml
Oxycodone	2.834	1087338	1283.76	26.6	1567.07	888992	53.5847 ng/ml
Oxymorphone	1.398	468880	∞	43.1	518.20	323200	52.8235 ng/ml
Phentermine	3.783	514885	4437.79	4.3	151.71	1155712	56.7309 ng/ml
Promethazine	5.538	423688	1829.94	27.7	728.71	354263	51.4268 ng/ml
Pseudoephedrine	2.596	2592189	37066.92	16.2	14502.01	2359151	49.9869 ng/ml
Quetiapine	5.548	804314	30346.77	59.7	15291.74	215235	54.1964 ng/ml
Sertraline	5.769	49603	196.03	99.5	12591.73	48190	50.7453 ng/ml
Temazepam	5.816	1832168	1650.59	28.3	3243.54	1692982	50.4974 ng/ml
Tramadol	4.246	2339824	1149.88	3.6	175.19	2200142	54.5555 ng/ml
Trazodone	5.156	632100	2100.17	78.7	952.69	513964	53.8271 ng/ml
Venlafaxine	5.037	1989960	91666.54	39.1	620.57	1936019	51.3923 ng/ml
Zolpidem	4.914	2354953	43967.03	31.0	41391.24	2206950	54.0185 ng/ml



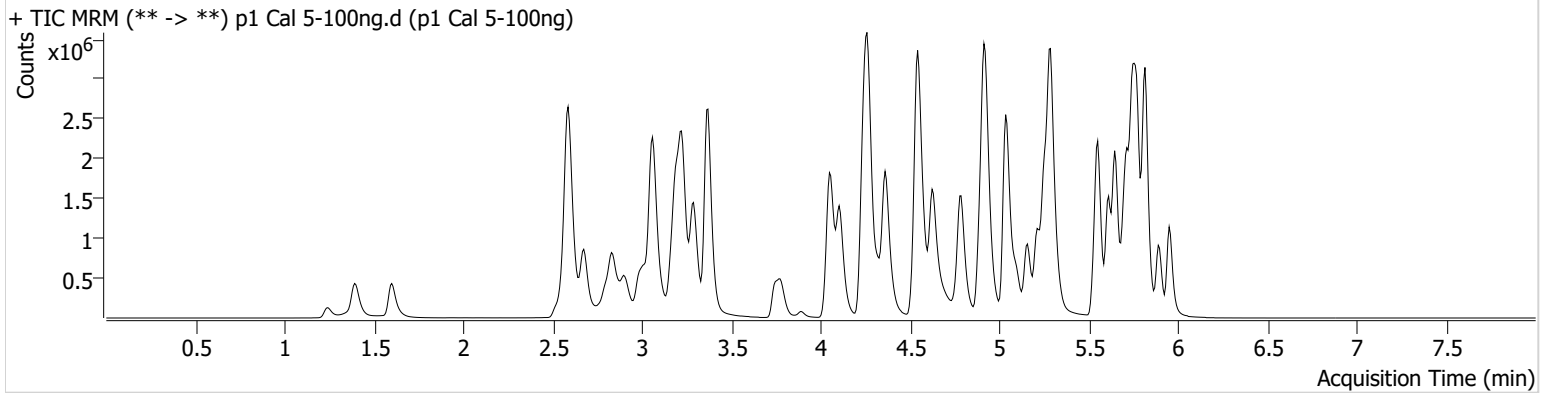
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

<b>Instrument</b>	Instrument 1	<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>	4/23/2021 1:12:10 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	51781	940.36	70.9	68163.08	124388	10.0774 ng/ml
7-aminoclonazepam	4.271	860221	258.69	80.6	7737.97	317185	99.6047 ng/ml
a-hydroxyalprazolam	5.692	433726	454.70	56.4	1008.94	572869	91.9751 ng/ml
alpha-PHP	4.930	674829	4236.66	269.3	7481.47	1151002	105.4738 ng/ml
alpha-PVP	4.370	2620444	1001.50	52.3	643.49	1151002	98.5286 ng/ml
Alprazolam	5.775	1647881	1464.70	112.3	1100.25	572869	100.8846 ng/ml
Amphetamine	3.063	4572355	30325.67	48.7	19175.21	505044	100.4783 ng/ml
Benzoylcegonine	3.892	78010	5252.28	7.8	701.98	29998	99.7495 ng/ml
Buprenorphine	5.812	32094	18457.47	15.3	9153.04	126622	10.1196 ng/ml
Bupropion	4.788	2313121	916.88	60.2	608.07	803320	100.3996 ng/ml
Carisoprodol	5.724	1389954	128950.16	54.5	682.41	689982	96.4057 ng/ml
Citalopram	5.212	1476561	8790.46	42.3	23966.73	665246	99.4036 ng/ml
Clonazepam	5.612	1886838	51337.90	31.6	50672.12	218662	105.3185 ng/ml
Clonazepam	5.549	1281745	739839.87	37.9	787418.36	218662	106.0122 ng/ml
Cocaine	4.264	2074076	1025.64	51.1	43097.32	1910866	99.1114 ng/ml
Codeine	2.573	236582	5789.65	98.8	5613.41	123360	105.2438 ng/ml
Cyclobenzaprine	5.615	456923	879.56	9.2	1570.53	188542	97.0936 ng/ml
Dextromethorphan	5.262	708004	20734.95	80.5	6059.48	339170	98.2301 ng/ml
Dextrophan	4.111	764793	1460.21	207.3	2995.86	924465	97.9491 ng/ml
Diazepam	5.953	1069610	472.19	87.8	649.91	495821	101.5470 ng/ml
Dihydrocodeine	2.552	632675	1552.03	64.8	5751.79	386010	104.9166 ng/ml
Diphenhydramine	5.289	3986529	78531.52	33.0	23123.59	2376977	100.3458 ng/ml
Doxylamine	4.543	5476442	1539.50	98.1	1688.94	2312502	104.0211 ng/ml
EDDP	5.254	1724906	20519.29	42.2	22635.21	890922	99.5782 ng/ml
Etizolam	5.813	995136	17961.50	25.5	1405.54	218662	98.0614 ng/ml
Fentanyl	5.103	76506	1566.27	66.6	408517.42	361842	9.9402 ng/ml
Flualprazolam	5.705	749327	3032.56	99.9	3977.90	572869	105.4555 ng/ml
Fluoxetine	5.700	291795	27548.86	8.7	21033.73	122705	103.1956 ng/ml
Hydrocodone	3.018	962691	394.04	39.0	316.60	1169665	105.4689 ng/ml
Hydromorphone	1.601	826058	7907.74	75.8	1328.67	13305	104.5769 ng/ml
Ketamine	4.051	1999370	36963.78	38.1	752.04	942471	103.0772 ng/ml
Lamotrigine	4.273	157947	2617.31	80.5	3950.97	942471	101.3559 ng/ml
Levetiracetam	2.676	804009	8151.67	165.4	2137.32	2331934	94.2203 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1247063	39289.06	55.5	2578.39	218662	85.3576 ng/ml
MDA	3.196	2935714	12015.77	23.6	2672.92	770583	105.8065 ng/ml
MDMA	3.290	2063344	70256.22	76.0	3094.87	192802	98.8658 ng/ml
Meprobamate	4.917	765062	54846.52	27.8	7003.58	403661	90.3739 ng/ml
Methadone	5.646	2269173	19000.74	47.2	33669.23	1055379	98.9287 ng/ml
Methamphetamine	3.231	3685958	16692.40	37.5	44265.76	1481731	104.4095 ng/ml
Metoprolol	4.326	498363	1940.92	90.5	22278.58	2213749	106.2990 ng/ml
Mirtazapine	4.624	2674946	18293.78	49.0	69715.54	1151002	107.8631 ng/ml
Mitragynine	5.230	305415	773326.49	40.4	1174.87	1055379	101.3712 ng/ml
Morphine	1.240	115589	384.79	31.2	974.54	13305	102.4912 ng/ml
Norbuprenorphine	4.986	5060	366.51	104.4	47149.40	23554	10.0127 ng/ml
Nordiazepam	5.900	1011278	1060.83	57.4	2648.05	340984	102.2364 ng/ml
Norfentanyl	4.079	459831	13061.83	33.4	2078.32	1920357	9.5126 ng/ml
Norhydrocodone	3.059	117675	205.10	40.2	49.15	107508	92.2478 ng/ml
Noroxycodone	2.903	998594	1915.92	42.9	475.62	334738	100.0546 ng/ml
O-desmethyl-tramadol	3.369	4425124	1969.08	6.7	5406.08	2576059	102.4472 ng/ml
Oxazepam	5.749	1683290	23130.67	73.4	6713.86	661809	105.2725 ng/ml
Oxycodone	2.827	2118536	2127.75	27.2	937.32	911087	102.0572 ng/ml
Oxymorphone	1.391	913344	∞	42.2	459.25	330029	100.8282 ng/ml
Phentermine	3.783	980960	29924.77	4.5	1980.52	1189289	105.8773 ng/ml
Promethazine	5.532	985554	2075.24	27.9	5540.55	423220	99.9895 ng/ml
Pseudoephedrine	2.589	4999005	1419.26	16.2	38412.04	2331934	97.0241 ng/ml
Quetiapine	5.548	1678998	43145.94	58.8	35522.41	237186	102.9561 ng/ml
Sertraline	5.769	113122	294.79	100.5	598.63	57626	96.4850 ng/ml
Temazepam	5.816	3241730	2545.14	28.4	8786.65	1508629	99.7413 ng/ml
Tramadol	4.246	4473176	26607.78	3.6	131.20	2213749	104.0671 ng/ml
Trazodone	5.156	1391335	518.35	79.2	72506.71	592881	102.9808 ng/ml
Venlafaxine	5.037	3935380	4570.60	39.1	11353.21	1984358	98.8481 ng/ml
Zolpidem	4.914	4697437	1905.55	30.2	567.51	2301621	103.6692 ng/ml



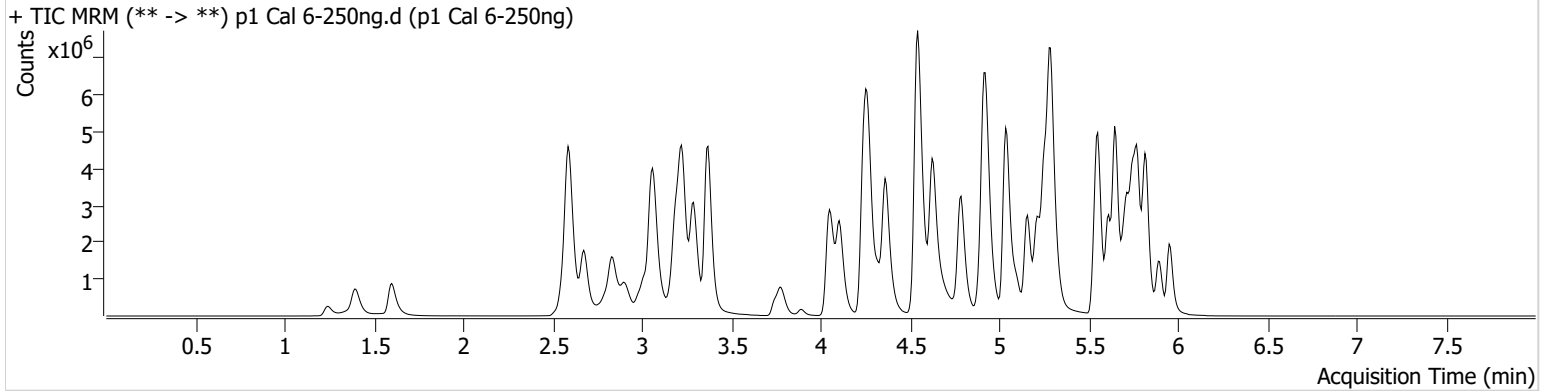
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

<b>Instrument</b>	Instrument 1	<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>	4/23/2021 1:22:46 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	118765	1768.53	70.8	3109.97	115916	24.7350 ng/ml
7-aminoclonazepam	4.271	1476576	7307.23	79.9	249.08	225226	240.8075 ng/ml
a-hydroxyalprazolam	5.692	670901	472.69	57.5	500.10	458631	178.2350 ng/ml
alpha-PHP	4.937	1532620	34323.21	270.4	101548.31	1078881	256.9877 ng/ml
alpha-PVP	4.363	6237046	150305.13	51.4	104418.77	1078881	249.7427 ng/ml
Alprazolam	5.775	3242223	1248.37	112.1	3038.16	458631	247.5914 ng/ml
Amphetamine	3.063	8862363	24919.36	48.2	9201.41	462409	213.6750 ng/ml
Benzoylecgonine	3.892	183942	25793.17	8.3	2673.25	29559	239.2111 ng/ml
Buprenorphine	5.819	87732	602.84	13.9	17529.63	141015	24.8426 ng/ml
Bupropion	4.788	5318734	111549.69	59.9	2263.48	751457	246.5658 ng/ml
Carisoprodol	5.724	2358710	37556.22	55.8	12934.43	462378	243.4270 ng/ml
Citalopram	5.212	4001502	1160.49	42.4	61336.30	729048	245.4270 ng/ml
Clonazepam	5.612	3318451	39004.77	31.6	4449.70	171306	236.9254 ng/ml
Clonazepam	5.555	2267810	39461.22	37.0	1103972.84	171306	239.7780 ng/ml
Cocaine	4.264	4490418	1699.76	51.0	1956.03	1669189	245.3347 ng/ml
Codeine	2.573	440103	1905.84	100.2	19016.24	104152	232.8729 ng/ml
Cyclobenzaprine	5.615	1320017	980.07	8.9	4509.44	211752	249.3566 ng/ml
Dextromethorphan	5.262	1931395	581.56	80.0	14113.11	371343	244.5890 ng/ml
Dextrophan	4.105	1791100	24072.41	206.3	15051.14	858312	246.7832 ng/ml
Diazepam	5.953	2169221	3846.80	88.2	5510.77	418140	244.3005 ng/ml
Dihydrocodeine	2.552	1327315	1178.75	65.4	314.44	363425	234.3345 ng/ml
Diphenhydramine	5.289	10839205	3254.92	32.3	33196.12	2552570	253.5678 ng/ml
Doxylamine	4.543	13636877	9969.61	97.8	10843.70	2242634	267.2234 ng/ml
EDDP	5.254	4464344	36484.33	42.3	31799.44	938624	244.2024 ng/ml
Etizolam	5.813	1988431	6310.13	25.5	12294.03	171306	249.3979 ng/ml
Fentanyl	5.103	234239	3862.87	71.7	224610.93	468016	23.4847 ng/ml
Flualprazolam	5.705	1414136	20880.38	101.7	4367.19	458631	249.1882 ng/ml
Fluoxetine	5.700	538764	22489.49	8.7	21634.87	97039	241.3814 ng/ml
Hydrocodone	3.018	2054080	401.77	37.4	167.83	1074626	245.6957 ng/ml
Hydromorphone	1.601	1762430	5353.22	76.8	1904338.01	12170	244.1820 ng/ml
Ketamine	4.051	4530199	179536.33	37.3	874.61	881569	250.2775 ng/ml
Lamotrigine	4.280	299989	876.99	80.6	39754.08	881569	207.5150 ng/ml
Levetiracetam	2.676	1734858	10912.48	164.2	18693.62	1934153	244.5311 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1563401	34067.63	55.2	1071.66	171306	137.2140 ng/ml
MDA	3.196	5419061	47152.47	22.9	4921.01	637782	237.1185 ng/ml
MDMA	3.290	4629947	105714.46	77.4	11702.21	175437	243.5455 ng/ml
Meprobamate	4.917	1195496	5680.28	27.0	13642.47	319236	179.0915 ng/ml
Methadone	5.646	6945969	124675.96	45.2	71486.53	1227483	260.2605 ng/ml
Methamphetamine	3.231	8222029	11389.90	37.3	1591.25	1446210	239.7696 ng/ml
Metoprolol	4.326	1084166	1970544.79	91.0	7989.50	2065644	248.6500 ng/ml
Mirtazapine	4.624	7557542	178761.89	48.3	159282.47	1078881	329.9521 ng/ml
Mitragynine	5.230	878198	932.30	39.4	1439.75	1227483	252.1884 ng/ml
Morphine	1.240	260015	11607.83	30.4	1449.25	12170	252.2566 ng/ml
Norbuprenorphine	4.986	14476	159.17	92.9	9770.82	27118	25.2066 ng/ml
Nordiazepam	5.900	1933317	1041.83	57.1	915.50	265476	251.3706 ng/ml
Norfentanyl	4.079	998551	196.67	34.2	802.85	1617598	24.4216 ng/ml
Norhydrocodone	3.059	252126	748.84	40.5	116.58	87929	240.4271 ng/ml
Noroxycodone	2.903	1882739	13621.89	42.5	581.81	256403	246.0201 ng/ml
O-desmethyl-tramadol	3.369	9989802	159276.53	6.6	20982.96	2320689	256.4480 ng/ml
Oxazepam	5.749	2368006	5911.70	73.2	11556.70	390871	251.0044 ng/ml
Oxycodone	2.827	4789719	16419.20	26.8	2372.69	852552	246.8721 ng/ml
Oxymorphone	1.391	1847993	∞	42.0	∞	269963	249.4986 ng/ml
Phentermine	3.783	2034565	∞	4.3	893.94	1124281	233.4779 ng/ml
Promethazine	5.532	2841431	91722.89	27.6	759.53	483054	252.3364 ng/ml
Pseudoephedrine	2.596	10785980	133637.06	15.7	1406.56	1934153	251.5528 ng/ml
Quetiapine	5.548	4604635	54496.83	58.8	134449.85	265878	252.3576 ng/ml
Sertraline	5.769	171910	1658.54	100.8	9711.85	35260	239.1543 ng/ml
Temazepam	5.823	5356134	41029.54	28.2	10493.17	995502	248.9417 ng/ml
Tramadol	4.239	10127156	40324.47	3.5	614.23	2065644	253.1495 ng/ml
Trazodone	5.156	4217302	137814.00	80.4	668.44	722733	256.5072 ng/ml
Venlafaxine	5.037	9615499	129322.93	38.0	1162.97	1864959	256.4485 ng/ml
Zolpidem	4.914	10526553	10355.44	29.8	283968.89	2183043	245.4554 ng/ml

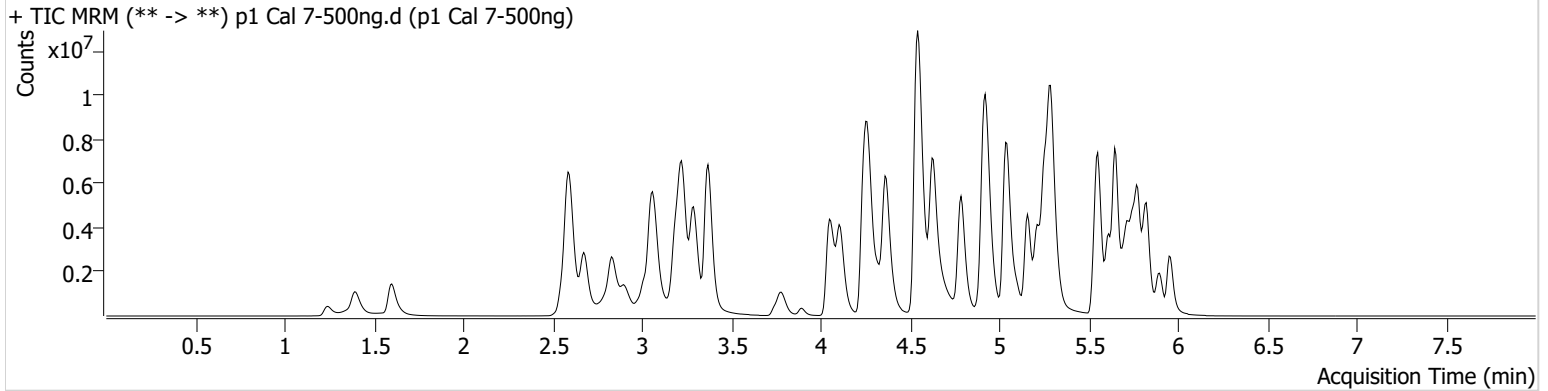
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

<b>Instrument</b>	Instrument 1	<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>	4/23/2021 1:33:21 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	223900	1229.67	71.4	∞	108242	49.8902 ng/ml
7-aminoclonazepam	4.278	1954734	182.62	80.7	∞	147747	485.9804 ng/ml
a-hydroxyalprazolam	5.685	800610	906.10	58.9	2228.79	348704	280.0668 ng/ml
alpha-PHP	4.937	2546238	5467.50	274.8	2684.14	974524	473.5133 ng/ml
alpha-PVP	4.370	11549135	41304.18	52.1	61760.34	974524	511.6647 ng/ml
Alprazolam	5.775	4988277	5415.61	113.6	535.04	348704	500.7733 ng/ml
Amphetamine	3.063	13306389	37086.76	47.9	47993.15	415470	357.6486 ng/ml
Benzoylcegonine	3.892	377761	156169.96	7.6	5256.36	28321	513.1528 ng/ml
Buprenorphine	5.819	121630	33031.36	14.2	21506.65	101558	47.8246 ng/ml
Bupropion	4.788	9117362	285340.60	60.7	35541.67	639559	496.4572 ng/ml
Carisoprodol	5.724	3253283	2110642.33	53.1	9875.90	301148	514.9951 ng/ml
Citalopram	5.212	6306897	85822.30	41.9	46740.61	559381	503.8808 ng/ml
Clonazepam	5.612	4508010	55911.87	31.3	15173.27	123971	445.0948 ng/ml
Clonazepam	5.555	2984226	204739.26	37.8	50153.57	123971	436.2320 ng/ml
Cocaine	4.264	7786424	398888.81	50.4	188849.73	1383259	513.1182 ng/ml
Codeine	2.573	661736	296.73	99.8	13443.16	88318	413.5541 ng/ml
Cyclobenzaprine	5.615	2167980	5341.11	8.7	2741.59	170320	508.9051 ng/ml
Dextromethorphan	5.262	2783035	640.58	79.6	24980.70	262982	497.5498 ng/ml
Dextrophan	4.111	3205234	2795.92	209.2	188249.22	745634	508.1640 ng/ml
Diazepam	5.960	3394295	17757.11	86.6	∞	322931	495.0457 ng/ml
Dihydrocodeine	2.552	2244148	1926.87	64.5	1739.72	346046	416.4415 ng/ml
Diphenhydramine	5.289	16955373	198701.80	33.0	52229.89	1934753	522.9595 ng/ml
Doxylamine	4.543	25387462	126630.93	96.7	6836.36	2165646	515.2468 ng/ml
EDDP	5.254	8986880	1424.11	41.9	104719.16	908863	507.3702 ng/ml
Etizolam	5.813	3197465	2581.84	25.2	719583.11	123971	553.6070 ng/ml
Fentanyl	5.103	407305	5023.95	68.9	690.07	382194	49.9690 ng/ml
Flualprazolam	5.705	2076489	42477.61	103.5	60686.47	348704	481.6625 ng/ml
Fluoxetine	5.700	637517	41047.26	8.6	347.06	57932	478.7669 ng/ml
Hydrocodone	3.012	3619214	1092.52	39.4	628.76	1001419	465.0633 ng/ml
Hydromorphone	1.601	3133591	2464306.10	76.7	15956.58	10762	491.1843 ng/ml
Ketamine	4.051	8246683	434842.84	36.5	63113.29	806721	498.2809 ng/ml
Lamotrigine	4.280	404502	450.88	81.9	291.96	806721	306.5584 ng/ml
Levetiracetam	2.676	2858287	41059.89	167.0	48352.97	1573221	494.9350 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1643810	12192.74	55.2	531.08	123971	199.8266 ng/ml
MDA	3.189	7467671	9841.78	23.0	8341.49	509671	409.5643 ng/ml
MDMA	3.290	8028398	20284.14	76.5	6939.74	148803	497.7151 ng/ml
Meprobamate	4.917	1360840	32651.88	27.4	37453.43	252285	258.1987 ng/ml
Methadone	5.653	11050317	111732.48	45.8	1100.12	953106	533.1758 ng/ml
Methamphetamine	3.224	14319963	1944.25	36.5	15342.02	1408373	429.5209 ng/ml
Metoprolol	4.326	1779852	150233.46	90.6	996.64	1725440	489.2838 ng/ml
Mirtazapine	4.631	12620267	186357.79	48.7	30834.35	974524	612.0227 ng/ml
Mitragynine	5.230	1306998	14285.24	39.7	5420.67	953106	484.3511 ng/ml
Morphine	1.240	453463	23930.88	31.3	4115.41	10762	497.6617 ng/ml
Norbuprenorphine	4.992	23021	1989.54	97.5	289.49	22145	49.2974 ng/ml
Nordiazepam	5.900	2771677	24080.60	56.5	798.77	195980	488.3785 ng/ml
Norfentanyl	4.079	1702725	45835.03	34.2	1860.41	1289914	52.1492 ng/ml
Norhydrocodone	3.059	462669	∞	41.0	∞	73018	530.3795 ng/ml
Noroxycodone	2.903	2809521	2025.88	41.9	1690.30	184420	510.2345 ng/ml
O-desmethyl-tramadol	3.369	17336593	345428.22	6.7	23424.76	2010112	513.6249 ng/ml
Oxazepam	5.749	2458852	14008.37	70.6	7508.32	216498	470.7166 ng/ml
Oxycodone	2.827	8734077	6242.39	26.5	3248.21	794110	483.5007 ng/ml
Oxymorphone	1.391	3137847	∞	42.1	∞	230631	495.9592 ng/ml
Phentermine	3.783	3292393	∞	4.2	1902.87	1048520	405.8501 ng/ml
Promethazine	5.532	4672741	3306.22	27.7	∞	407640	491.5916 ng/ml
Pseudoephedrine	2.596	17926230	139267.72	15.6	64847.74	1573221	513.4471 ng/ml
Quetiapine	5.548	7660187	711634.12	58.0	58005.68	228905	487.9305 ng/ml
Sertraline	5.769	182919	764.01	96.3	14430.56	18227	491.9116 ng/ml
Temazepam	5.823	6723340	78852.42	28.5	13739.58	615375	504.9665 ng/ml
Tramadol	4.239	16652544	3401.22	3.6	2377.04	1725440	498.7828 ng/ml
Trazodone	5.156	7125275	2681.90	78.7	106098.45	605518	517.5725 ng/ml
Venlafaxine	5.037	16893513	57366.24	38.6	30287.43	1614730	520.0328 ng/ml
Zolpidem	4.914	17760850	389053.34	30.4	30416.09	2016105	448.7521 ng/ml

# AM #28 Multi-Drug Quant. Results

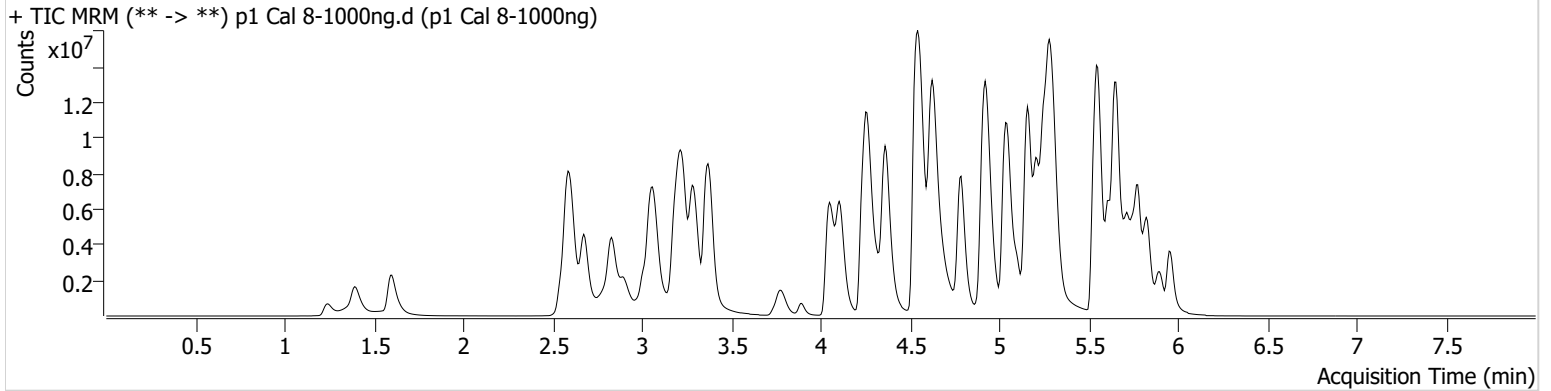


**Batch results** D:\MassHunter\Data\2021\AM 27-28\042221 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/26/2021 3:07:14 PM

**Instrument** Instrument 1  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-H1  
**Injection Volume** 2  
**Acq. Date-Time** 4/23/2021 1:43:57 PM  
**Sample Info.**

**Data File** p1 Cal 8-1000ng.d  
**Sample** p1 Cal 8-1000ng  
**Operator** Celena Shrum  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	424592	∞	71.2	2109.05	98485	103.9319 ng/ml
7-aminoclonazepam	4.278	1922886	10774.95	80.2	812.07	66916	1055.5598 ng/ml
a-hydroxyalprazolam	5.685	863099	127.46	58.6	728.36	232839	452.5201 ng/ml
alpha-PHP	4.937	3913829	16441.59	276.1	133775.99	789831	898.9368 ng/ml
alpha-PVP	4.363	18787823	1500.65	53.7	200675.72	789831	1026.7087 ng/ml
Alprazolam	5.775	6654193	3090.34	114.0	∞	232839	1000.2003 ng/ml
Amphetamine	3.063	18074596	34002.43	48.3	58219.43	345988	583.9147 ng/ml
Benzoylecgonine	3.892	767582	28534.08	7.8	462.72	29077	1015.9458 ng/ml
Buprenorphine	5.819	338945	16643.26	14.6	50793.14	148973	90.8564 ng/ml
Bupropion	4.788	13616236	1664.55	60.9	3287.11	457561	1036.1707 ng/ml
Carisoprodol	5.724	3598114	65085.31	54.7	22699.85	159662	1073.8263 ng/ml
Citalopram	5.212	12377058	28707.83	42.4	52448.58	529175	1045.0128 ng/ml
Clonazepam	5.605	3871424	65055.43	31.4	19851.74	64939	729.9684 ng/ml
Clonazepam	5.562	2502238	169993.71	37.9	309672.34	64939	698.4501 ng/ml
Cocaine	4.264	12337215	1125.34	50.1	953.64	1084275	1036.9802 ng/ml
Codeine	2.566	928179	1603.31	101.6	14880.86	73980	693.0503 ng/ml
Cyclobenzaprine	5.615	7755400	79414.56	8.4	1748.46	290524	1066.9791 ng/ml
Dextromethorphan	5.262	6035535	1339.57	79.3	77852.39	274484	1033.6981 ng/ml
Dextrophan	4.112	5708892	479742.24	209.2	1498.73	632023	1067.5881 ng/ml
Diazepam	5.960	5084925	296.16	88.0	10390.39	247256	968.6643 ng/ml
Dihydrocodeine	2.545	3581860	2966.81	65.6	582.50	341338	674.1207 ng/ml
Diphenhydramine	5.296	28668902	1373.96	37.6	938.31	1794920	952.8622 ng/ml
Doxylamine	4.543	40666084	10816.50	97.3	133548.21	2061320	867.1595 ng/ml
EDDP	5.254	15028932	187049.30	41.6	1914.19	737456	1045.3894 ng/ml
Etizolam	5.813	4635939	61087.18	25.1	1761080.42	64939	1531.5075 ng/ml
Fentanyl	5.103	1753447	3897.31	69.3	1384262.49	775247	106.0149 ng/ml
Flualprazolam	5.705	2522217	50125.59	102.7	23233.52	232839	876.5514 ng/ml
Fluoxetine	5.707	2177798	174312.34	8.8	368763.16	100473	943.3365 ng/ml
Hydrocodone	3.012	6358037	416.09	37.1	287.47	916957	892.7772 ng/ml
Hydromorphone	1.601	5433547	3506978.06	76.7	760740.92	9484	966.6366 ng/ml
Ketamine	4.051	13543396	355926.55	36.4	7682.75	717691	920.1819 ng/ml
Lamotrigine	4.287	496750	4840.34	79.8	1331.52	717691	423.8034 ng/ml
Levetiracetam	2.676	4546593	9962.86	168.6	12395.75	1087669	1138.2556 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1678412	90289.12	55.2	17305.19	64939	390.4913 ng/ml
MDA	3.189	10399026	27266.36	22.0	22021.92	395585	735.5542 ng/ml
MDMA	3.290	13097069	97433.25	76.8	101801.63	114783	1052.3974 ng/ml
Meprobamate	4.911	1374613	23927.32	27.4	5791.63	207312	317.5138 ng/ml
Methadone	5.653	22439789	86460.25	56.6	62724.20	1137300	907.3173 ng/ml
Methamphetamine	3.224	21535581	101836.91	37.1	38371.07	1333248	682.8741 ng/ml
Metoprolol	4.326	2588708	2693.95	90.1	11989.87	1467788	836.9965 ng/ml
Mirtazapine	4.624	26748315	377989.75	52.8	152097.80	789831	1604.3696 ng/ml
Mitragynine	5.230	3353069	48959.81	40.1	5861.49	1137300	1042.5709 ng/ml
Morphine	1.240	779148	2780.60	31.8	∞	9484	970.4344 ng/ml
Norbuprenorphine	4.986	66822	34708.98	98.6	3778.71	31404	101.1363 ng/ml
Nordiazepam	5.900	3583244	49368.74	58.0	10059.52	134022	923.4654 ng/ml
Norfentanyl	4.079	2502614	155324.04	34.0	16997.23	871503	113.3700 ng/ml
Norhydrocodone	3.053	779158	111.42	41.1	63.28	61411	1061.2384 ng/ml
Noroxycodone	2.903	4166364	498.74	43.0	41553.69	140034	996.3143 ng/ml
O-desmethyl-tramadol	3.369	26293673	∞	7.3	56185.08	1680585	931.5863 ng/ml
Oxazepam	5.749	2144037	30134.85	73.5	4055.56	96674	919.3673 ng/ml
Oxycodone	2.827	15744611	∞	26.0	4044.58	715557	967.4779 ng/ml
Oxymorphone	1.391	5395466	272.94	42.0	269.18	205581	956.7671 ng/ml
Phentermine	3.783	5057852	∞	4.2	3621.72	985499	663.9765 ng/ml
Promethazine	5.532	17168808	202843.76	29.6	1847.95	735562	1000.8324 ng/ml
Pseudoephedrine	2.596	26023943	5322272.78	16.2	61327.42	1087669	1077.5553 ng/ml
Quetiapine	5.548	14674357	146640.26	59.7	155820.30	238887	895.9268 ng/ml
Sertraline	5.776	563821	391.74	98.9	5890.39	25013	1104.5114 ng/ml
Temazepam	5.830	7205789	35490.80	27.6	19950.10	315927	1053.5952 ng/ml
Tramadol	4.239	23736811	3267.83	3.9	16524.93	1467788	836.0846 ng/ml
Trazodone	5.156	19723292	309410.63	83.1	3666.68	1033946	839.2169 ng/ml
Venlafaxine	5.043	26371960	131154.15	42.3	2436.69	1356175	966.2924 ng/ml
Zolpidem	4.914	26052938	187905.22	33.9	∞	1886229	703.8054 ng/ml