

**Worklist: 5084**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-2405	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2438	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3404	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1512	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1644	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1647	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1700	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1724	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1752	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1982	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1984	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1985	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1986	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1987	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1988	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1989	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1997	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2014	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2019	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2029	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2030	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 5084**

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-2031	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2021-2041	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 07/07/2021

Analyst: Celena Shrum

Plate lot#: ~~201610~~ 210610

Plate Expiration: 12/10/2021

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20723

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

LCMS-QQQ ID: 069901

## Pre-Analytic:

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

## Analytic:

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

## Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R<sup>2</sup> values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

Curve limits: alpha-hydroxyalprazolam 5-250, Amphetamine 5-500, Clonazepam 5-500, Fentanyl 0.5-50, Lamotrigine 5-500, Lorazepam 5-100, Norbuprenorphine 2.5-100. Mirtazapine not evaluated due to a middle calibrator not meeting accuracy requirement. Surrogate internal standards were used for hydromorphone and alpha-hydroxyalprazolam and as such these compounds will be called qualitatively only.

Carryover was seen in the negative control for some compounds. Additional blanks and the negative control were reinjected and no carryover was seen.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1			IS + Cal. 1	IS + QC_1			P2021-2014-1	P2021-1982-1	M2021-2438-1	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2			IS + Cal. 2	IS + QC_2			P2021-1997-1	P2021-1752-4	M2021-2405-2	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3			IS + Cal. 3	IS + QC_3			P2021-1989-1	P2021-1724-1	Blood NC	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4			IS + Cal. 4	IS + QC_4		P2021-2041-1	P2021-1988-1	P2021-1700-1	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2			IS + Cal. 5	IS + QC_2		P2021-2031-1	P2021-1987-1	P2021-1647-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6				IS + Cal. 6			P2021-2030-1	P2021-1986-1	P2021-1644-1	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7				IS + Cal. 7			P2021-2029-1	P2021-1985-1	P2021-1512-3	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8				IS + Cal. 8			P2021-2019-1	P2021-1984-1	P2020-3404-1	IS + QC_1	IS + Cal. 1

# AM #28 Multi-Drug Quant. Results

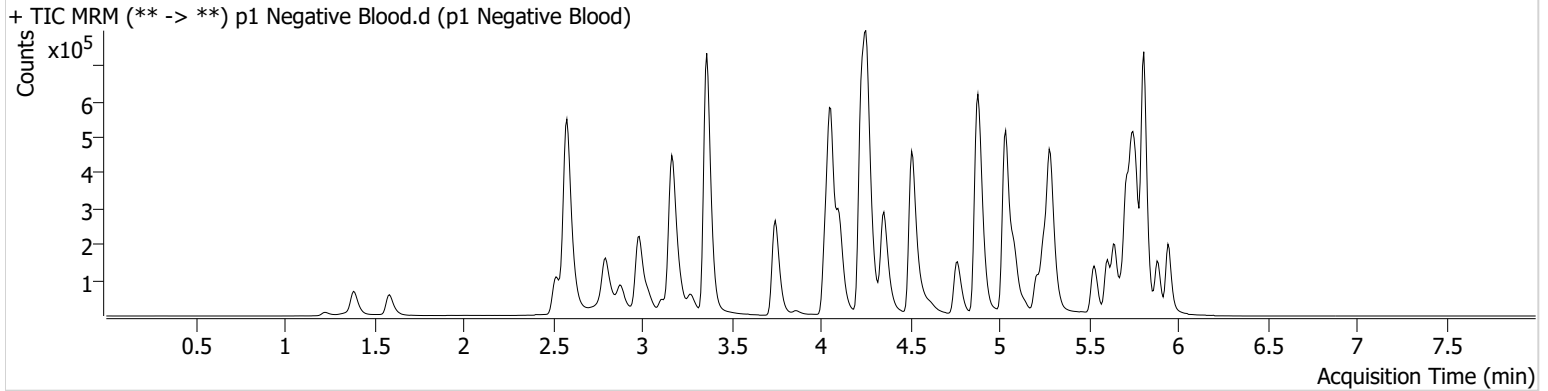


**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

**Instrument** Falco (069901) **Data File** p1 Negative Blood.d  
**Type** Sample **Sample** p1 Negative Blood  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-C11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 7/7/2021 5:15:51 PM  
**Sample Info.**

Sample was reinjected due to carryover. Refer to reinject data. *cs*

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cyclobenzaprine	5.615	23865	2352.65	8.2	17.35	69906	14.0188 ng/ml
Fentanyl	5.096	3008	90.43	67.2	5344.99	161825	1.0026 ng/ml
Fluoxetine	5.700	31970	195.91	8.0	23.28	67944	20.5728 ng/ml
Promethazine	5.532	67771	280.87	27.9	188.63	163678	17.7641 ng/ml
Sertraline	5.769	13905	661.12	100.5	506.35	31654	18.5069 ng/ml
Trazodone	5.142	29500	248.17	83.1	607.68	196068	5.1034 ng/ml

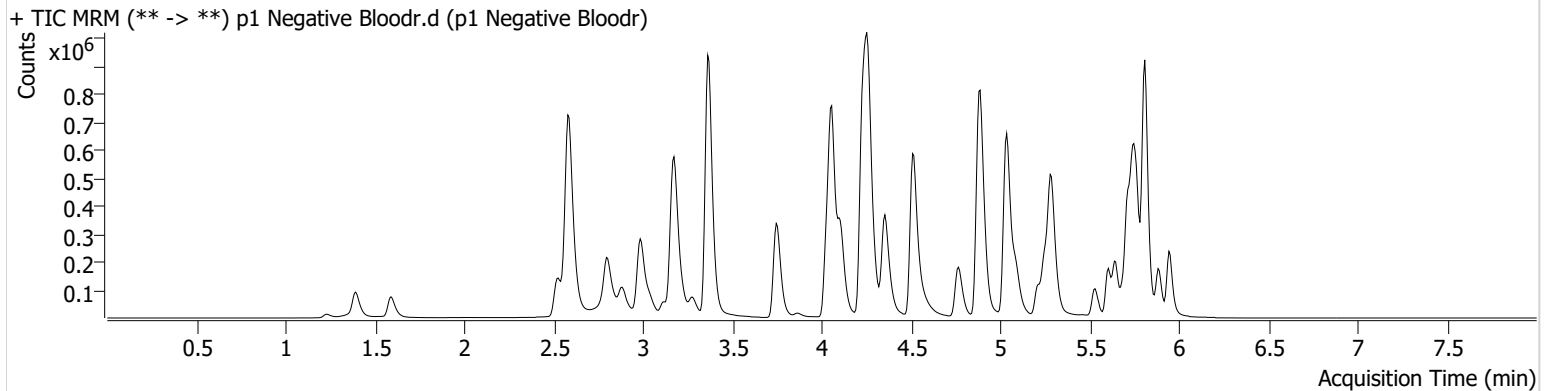
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Bloodr.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Bloodr
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-C11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/9/2021 9:44:02 AM		
<b>Sample Info.</b>			Reinject data.

## Sample Chromatogram



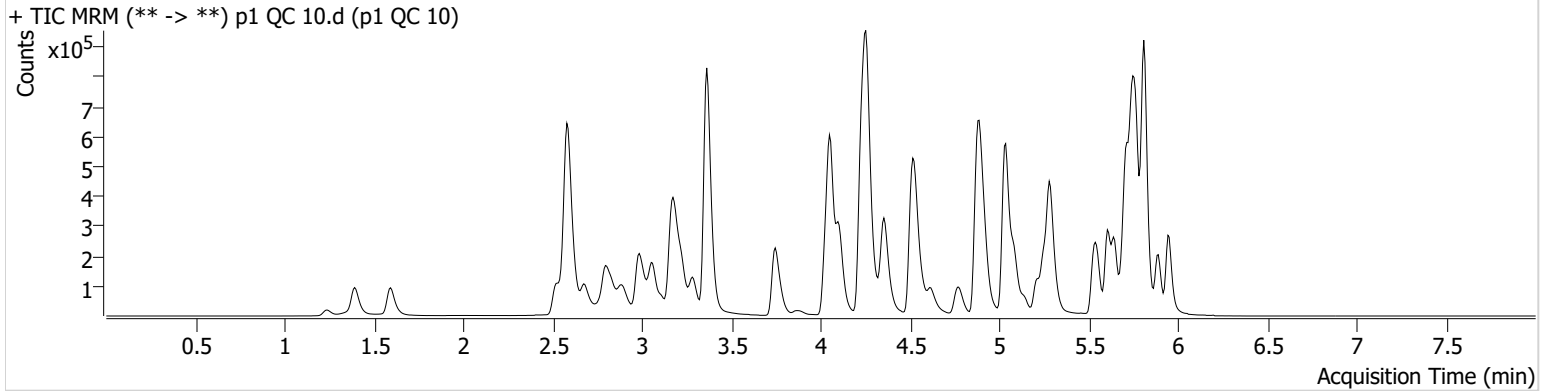


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

**Instrument** Falco (069901) **Data File** p1 QC 10.d  
**Type** QC **Sample** p1 QC 10  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-H11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 7/7/2021 4:12:11 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	3812	578.29	74.4	7312.38	95404	1.0742 ng/ml
7-aminoclonazepam	4.265	54463	696.01	76.0	924.18	275058	11.0316 ng/ml
a-hydroxyalprazolam	5.692	46129	129.76	60.4	1765.79	502159	10.1334 ng/ml
alpha-PHP	4.930	40378	1074.70	261.9	347.87	678863	10.0693 ng/ml
alpha-PVP	4.363	166947	255.60	54.4	213.26	678863	10.1970 ng/ml
Alprazolam	5.768	154840	2899.40	111.6	723.51	502159	10.4715 ng/ml
Amphetamine	3.063	282289	1961.39	50.6	608.80	280134	11.3008 ng/ml
Benzoylecgonine	3.892	8389	708.11	8.2	643.33	29917	9.3005 ng/ml
Buprenorphine	5.799	1620	85.51	17.1	549.21	62055	0.9879 ng/ml
Bupropion	4.781	66875	409.61	60.5	88.94	208767	10.5440 ng/ml
Carisoprodol	5.724	146627	759656.90	58.6	1737.89	686902	10.5594 ng/ml
Citalopram	5.212	61065	90.38	37.9	58575.49	238118	10.9749 ng/ml
Clonazepam	5.612	182427	4250.69	32.8	88420.41	203773	11.2016 ng/ml
Clonazepam	5.549	123389	98787.69	36.1	82626.97	203773	11.2386 ng/ml
Cocaine	4.257	154168	605.60	54.5	266.67	1229203	10.8450 ng/ml
Codeine	2.573	21114	323.79	95.0	45.15	88573	11.5210 ng/ml
Cyclobenzaprine	5.615	38612	35502.51	8.3	39.60	143936	10.8971 ng/ml
Dextromethorphan	5.262	30206	1242.58	83.4	2269.93	144900	9.9367 ng/ml
Dextrophan	4.105	49240	534.71	203.9	747.69	512868	10.7676 ng/ml
Diazepam	5.953	99285	1020.34	87.5	3611.55	415607	11.0184 ng/ml
Dihydrocodeine	2.552	52688	58.99	67.1	278.65	277771	10.8713 ng/ml
Diphenhydramine	5.289	152386	304.54	32.6	320.76	862764	10.8289 ng/ml
Doxylamine	4.529	347206	589.45	98.6	1733.32	1359075	10.5565 ng/ml
EDDP	5.254	54817	577.24	41.2	7846.49	265677	10.6328 ng/ml
Etizolam	5.813	102044	2421.36	25.6	64118.08	203773	11.2552 ng/ml
Fentanyl	5.096	4417	53.79	64.4	3893.89	213544	1.1265 ng/ml
Flualprazolam	5.698	72745	1881.93	97.8	6261.67	502159	10.4608 ng/ml
Fluoxetine	5.700	54361	360.01	7.9	10182.83	186444	12.5113 ng/ml
Hydrocodone	3.012	74682	88.53	40.4	129.63	392817	10.7535 ng/ml
Hydromorphone	1.601	66562	878.78	77.6	1941.18	9275	9.9606 ng/ml
Ketamine	4.044	154640	7141.32	35.3	350.03	666411	10.7975 ng/ml
Lamotrigine	4.273	11577	234.55	81.9	724.07	666411	11.3777 ng/ml
Levetiracetam	2.683	89912	1477.34	161.0	1223.39	1650797	16.1975 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	166366	1763.14	56.2	273.15	203773	11.6175 ng/ml
MDA	3.196	199693	1230.96	23.4	137.59	455185	10.9539 ng/ml
MDMA	3.290	128780	2033.15	78.3	168.89	107181	10.7843 ng/ml
Meprobamate	4.917	84363	2448.22	28.4	139.04	307600	11.3179 ng/ml
Methadone	5.646	89532	1604.52	52.6	579.85	357441	10.5372 ng/ml
Methamphetamine	3.231	201306	391.26	37.8	99.22	726840	10.5779 ng/ml
Metoprolol	4.319	36380	8711.44	93.9	1544.52	1633894	10.7781 ng/ml
<del>Mirtazapine</del>	<del>4.617</del>	<del>106759</del>	<del>931.55</del>	<del>51.3</del>	<del>159.47</del>	<del>678863</del>	<del>8.2997 ng/ml</del> *
Mitragynine	5.230	15539	464.75	38.4	4636.96	357441	13.9261 ng/ml
Morphine	1.240	9481	1023.27	35.3	213.76	9275	10.7085 ng/ml
<del>Norbuprenorphine</del>	<del>4.986</del>	<del>322</del>	<del>231.47</del>	<del>91.6</del>	<del>401.16</del>	<del>8947</del>	<del>0.5698 ng/ml</del> **
Nordiazepam	5.893	99151	1400.56	56.0	1037.80	283791	10.8191 ng/ml
Norfentanyl	4.079	29771	879.86	33.9	200.09	1209751	1.0536 ng/ml
Norhydrocodone	3.060	11294	172.08	39.2	34.94	77763	11.1014 ng/ml
Noroxycodone	2.903	77765	491.36	44.2	444.85	240101	10.5736 ng/ml
O-desmethyl-tramadol	3.369	351589	666.99	6.8	605.01	1969182	10.4497 ng/ml
Oxazepam	5.749	190015	1280.83	72.8	1183.33	764799	10.5821 ng/ml
Oxycodone	2.827	149321	818.73	26.8	302.35	585469	10.6195 ng/ml
Oxymorphone	1.398	74889	392.64	43.1	129.60	224566	10.9886 ng/ml
Phentermine	3.783	66523	159.65	4.0	44.01	668171	10.8559 ng/ml
Promethazine	5.532	84056	1085.88	28.1	233.30	323849	10.9674 ng/ml
Pseudoephedrine	2.596	365553	3291.05	16.6	1947.86	1650797	10.4211 ng/ml
Quetiapine	5.541	64740	656.68	56.9	3586.84	82113	10.9956 ng/ml
Sertraline	5.769	24889	111.81	98.8	923.81	91406	11.1968 ng/ml
Temazepam	5.816	325114	3644.88	30.3	197.37	1480729	10.8256 ng/ml
Tramadol	4.246	355147	65368.55	3.7	256.35	1633894	10.9761 ng/ml
Trazodone	5.142	59616	175.56	81.2	235.85	199663	10.6178 ng/ml
Venlafaxine	5.037	274289	269.13	36.4	455.59	1349661	10.4089 ng/ml
Zolpidem	4.901	325564	4905.21	30.7	908.69	1523904	10.7293 ng/ml

\*Not evaluated.

\*\*Outside curve range



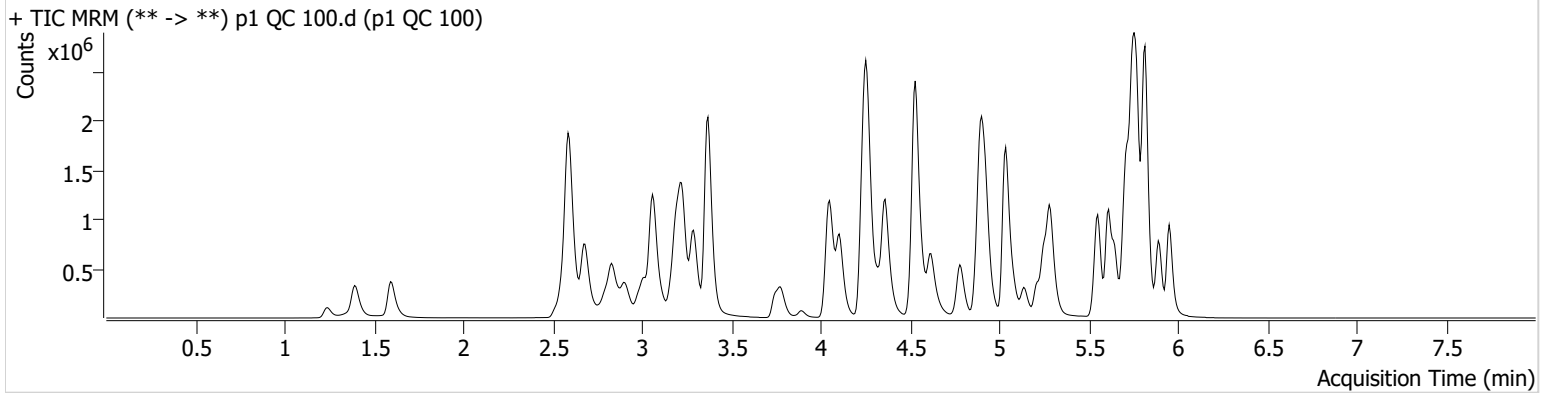
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

<b>Instrument</b>	Falco (069901)	<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-G11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/7/2021 10:12:48 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	39414	425.32	69.2	869.70	98421	10.8202 ng/ml
7-aminoclonazepam	4.271	341270	3636.49	75.1	639.87	170712	111.7978 ng/ml
a-hydroxyalprazolam	5.692	393292	617.66	57.8	1025.80	460048	106.6270 ng/ml
alpha-PHP	4.930	405314	3626.26	265.7	5098.19	703423	109.1263 ng/ml
alpha-PVP	4.363	1777492	552.51	52.3	753.77	703423	109.7796 ng/ml
Alprazolam	5.775	1428177	2920.65	112.6	778.54	460048	109.1475 ng/ml
Amphetamine	3.063	2510849	19778.21	49.9	4491.74	264457	118.3641 ng/ml
Benzoylecgonine	3.892	79022	1305.82	8.0	25263.36	27120	114.2948 ng/ml
Buprenorphine	5.799	12447	11348.88	12.5	4070.88	46893	11.2396 ng/ml
Bupropion	4.781	865445	18862.01	61.8	765.39	278414	109.4817 ng/ml
Carisoprodol	5.724	1233723	2302.17	58.0	6410.14	569995	110.6231 ng/ml
Citalopram	5.212	505072	492.95	39.8	1704.39	202024	113.2009 ng/ml
Clonazepam	5.612	1666127	1199.25	31.9	1666.06	186240	119.3646 ng/ml
Clonazepam	5.549	1090916	181964.25	37.6	301897.77	186240	114.9091 ng/ml
Cocaine	4.257	1538400	73031.31	53.8	379.89	1237785	111.0216 ng/ml
Codeine	2.573	186724	5798.71	99.7	386083.93	87537	118.2187 ng/ml
Cyclobenzaprine	5.615	134670	186.19	8.7	448.57	51095	111.9597 ng/ml
Dextromethorphan	5.262	220557	544.40	81.6	235.84	100391	111.2990 ng/ml
Dextrophan	4.105	491626	1413.13	202.7	1495.28	504027	114.8114 ng/ml
Diazepam	5.953	920113	2094.27	88.2	5923.60	398669	112.8777 ng/ml
Dihydrocodeine	2.552	511345	1294.68	66.5	1494.29	283488	118.9055 ng/ml
Diphenhydramine	5.289	1310591	65749.56	33.3	235.69	757715	110.7588 ng/ml
Doxylamine	4.529	3545002	70847.40	97.2	6824.14	1401947	109.7749 ng/ml
EDDP	5.254	730788	58025.93	40.9	869.12	354818	112.3596 ng/ml
Etizolam	5.813	939166	18329.13	25.3	19893.80	186240	97.8475 ng/ml
Fentanyl	5.103	22443	72.05	60.4	19385.66	114999	11.4341 ng/ml
Flualprazolam	5.705	644540	879.63	99.8	22269.50	460048	110.6311 ng/ml
Fluoxetine	5.700	111063	3852.61	8.9	948.15	42003	118.4856 ng/ml
Hydrocodone	3.012	692809	1341.74	40.3	590.24	384167	113.0988 ng/ml
Hydromorphone	1.601	611766	7492.99	78.0	2948272.68	9137	109.9956 ng/ml
Ketamine	4.044	1529993	42885.03	36.5	1094.53	670348	114.6242 ng/ml
Lamotrigine	4.273	115581	550.09	79.2	1593.56	670348	128.0253 ng/ml
Levetiracetam	2.683	804539	5692.30	161.9	9028.33	1628603	134.4847 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1192557	2970.15	55.4	1317.70	186240	102.9375 ng/ml
MDA	3.196	1732941	8373.52	24.2	1211.78	413026	117.9787 ng/ml
MDMA	3.290	1275412	9197.70	79.0	3126.99	107578	111.6065 ng/ml
Meprobamate	4.917	725851	1220.29	27.7	350.43	286839	120.2803 ng/ml
Methadone	5.646	662071	12331.92	50.5	1202.60	269516	108.4228 ng/ml
Methamphetamine	3.231	2070555	4336.14	37.3	3206.62	786451	115.1729 ng/ml
Metoprolol	4.326	361713	948.47	92.7	10799.76	1657353	115.5007 ng/ml
<del>Mirtazapine</del>	<del>4.617</del>	<del>938623</del>	<del>8751.03</del>	<del>50.7</del>	<del>19420.48</del>	<del>703423</del>	<del>90.0697 ng/ml*</del>
Mitragynine	5.230	91022	50348.18	37.9	1160.91	269516	119.4877 ng/ml
Morphine	1.240	91097	1627.23	34.5	433.80	9137	111.6046 ng/ml
Norbuprenorphine	4.986	1612	5372.11	113.0	2402.13	7507	10.1011 ng/ml
Nordiazepam	5.893	936454	1283.02	55.6	29775.19	267922	114.2528 ng/ml
Norfentanyl	4.079	262684	310.67	35.0	408.68	1081681	10.5126 ng/ml
Norhydrocodone	3.060	88295	197.64	43.8	143.56	64583	104.4317 ng/ml
Noroxycodone	2.903	713329	488.05	43.1	3874.57	221340	111.3450 ng/ml
O-desmethyl-tramadol	3.369	3626273	60813.27	6.8	992.55	1983583	110.2871 ng/ml
Oxazepam	5.749	1575749	6684.59	72.3	11866.30	629585	113.5128 ng/ml
Oxycodone	2.827	1465520	1816.82	27.5	1210.60	586467	111.6431 ng/ml
Oxymorphone	1.391	685790	1309.20	43.0	∞	211974	114.9111 ng/ml
Phentermine	3.783	653526	289.19	4.2	201.39	692138	117.1252 ng/ml
Promethazine	5.532	294936	2964.87	27.5	1670.29	121179	106.6192 ng/ml
Pseudoephedrine	2.596	3667888	50299.50	16.2	897.43	1628603	107.8614 ng/ml
Quetiapine	5.541	573414	7632.94	59.1	697.00	75644	113.1000 ng/ml
Sertraline	5.769	54297	182.91	96.4	142.13	20826	113.3985 ng/ml
Temazepam	5.816	3007296	865.20	27.9	28081.71	1312242	106.0144 ng/ml
Tramadol	4.246	3513403	1399.27	3.7	506.66	1657353	113.6810 ng/ml
Trazodone	5.135	433517	24022.52	81.1	245.21	148254	108.3592 ng/ml
Venlafaxine	5.037	2769472	147517.50	37.7	620.68	1334995	108.5704 ng/ml
Zolpidem	4.894	3293460	95483.91	30.4	2454.29	1547717	114.8039 ng/ml

\*Not evaluated

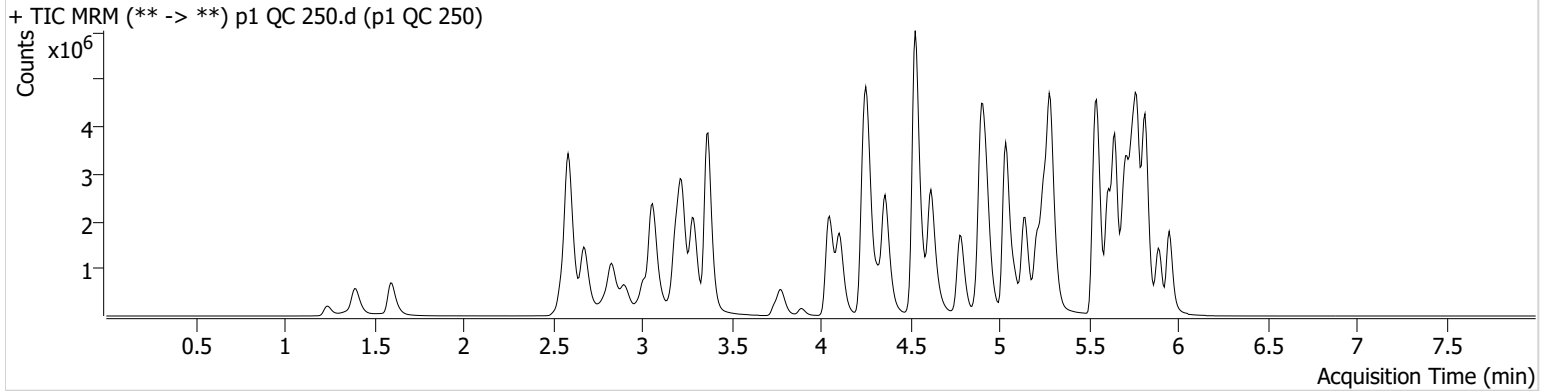


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
Calibration Last Update 7/12/2021 10:05:00 AM

Instrument Falco (069901) Data File p1 QC 250.d  
Type QC Sample p1 QC 250  
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum  
Sample Position P2-F11 Comment  
Injection Volume 2  
Acq. Date-Time 7/7/2021 4:33:24 PM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	94218	333.98	68.0	851.68	94147	27.0485 ng/ml
7-aminoclonazepam	4.271	636615	394.27	77.5	7615.11	131277	271.2657 ng/ml
a-hydroxyalprazolam	5.692	591339	3544.28	58.2	1080.01	366442	202.5899 ng/ml
alpha-PPH	4.930	1096906	4543.65	265.3	1707.17	686431	305.0036 ng/ml
alpha-PVP	4.363	4297759	976.66	53.0	76885.38	686431	272.8013 ng/ml
Alprazolam	5.775	2859890	∞	109.8	∞	366442	275.0180 ng/ml
Amphetamine	3.063	5181186	11304.76	49.2	19081.17	240715	270.1257 ng/ml
Benzoylcegonine	3.892	180046	14740.22	8.4	157.95	25469	279.9757 ng/ml
Buprenorphine	5.799	65257	665.39	14.6	19337.05	98185	28.3395 ng/ml
Bupropion	4.781	3018022	105207.79	62.0	566.88	382363	279.2637 ng/ml
Carisoprodol	5.724	2071379	33671.65	57.5	4681.99	381690	277.9484 ng/ml
Citalopram	5.212	2774313	43868.38	40.2	913.93	452024	278.9361 ng/ml
Clonazepam	5.612	2875589	38244.95	31.4	30388.44	142581	270.1295 ng/ml
Clonazolam	5.555	2052058	160265.16	37.6	4911.08	142581	283.3734 ng/ml
Cocaine	4.257	3530625	3015.55	53.4	113312.97	1153097	274.0907 ng/ml
Codeine	2.566	378554	247.23	98.3	9188.61	74758	283.2546 ng/ml
Cyclobenzaprine	5.615	2104957	23272.72	8.6	295.98	310534	288.8147 ng/ml
Dextromethorphan	5.262	1491379	25458.83	80.5	711.86	276569	274.1830 ng/ml
Dextrophan	4.105	1243650	1165.22	204.1	27496.57	519224	282.7951 ng/ml
Diazepam	5.953	2058083	71301.90	88.2	27947.88	359605	281.0076 ng/ml
Dihydrocodeine	2.545	1147311	1714.22	65.8	879.53	273726	278.7195 ng/ml
Diphenhydramine	5.289	6940285	53519.54	33.1	671.75	1569396	284.0140 ng/ml
Doxylamine	4.529	9589084	7588.28	95.6	203072.70	1489676	280.3681 ng/ml
EDDP	5.254	2454908	25869.62	41.7	438.04	484859	277.2230 ng/ml
Etizolam	5.813	1959657	2061.10	25.4	41723.79	142581	263.7367 ng/ml
Fentanyl	5.103	248192	∞	66.6	179.09	494384	29.5627 ng/ml
Flualprazolam	5.698	1256200	8515.24	102.5	10770.19	366442	272.2757 ng/ml
Fluoxetine	5.700	1934944	49652.96	8.7	3604.37	290624	299.2890 ng/ml
Hydrocodone	3.012	1609694	∞	39.6	136.49	369147	275.3233 ng/ml
Hydromorphone	1.601	1327570	6200661.66	77.7	3952990.44	8243	267.4484 ng/ml
Ketamine	4.044	3613490	84638.10	35.5	6926.58	663839	274.6903 ng/ml
Lamotrigine	4.280	255256	1959.39	82.3	2548.95	663839	287.5912 ng/ml
Levetiracetam	2.676	1584496	1471.13	163.6	2465.43	1433237	299.0573 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	<del>5.740</del>	<del>1421223</del>	<del>20165.40</del>	<del>57.0</del>	<del>828.18</del>	<del>142581</del>	<del>161.1996 ng/ml</del> **
MDA	3.196	3665543	9604.31	23.2	3064.39	386265	268.7867 ng/ml
MDMA	3.290	3204198	12973.00	78.8	12575.41	111757	270.7317 ng/ml
Meprobamate	4.917	1241195	11722.12	27.3	1197.51	220119	270.3878 ng/ml
Methadone	5.646	4891021	46360.32	49.1	29754.18	743759	291.2151 ng/ml
Methamphetamine	3.224	4768504	67167.00	36.9	1314.40	768929	273.6181 ng/ml
Metoprolol	4.326	834596	1260986.96	93.8	41938.78	1523334	291.6366 ng/ml
Mirtazapine	<del>4.617</del>	<del>4669628</del>	<del>310917.12</del>	<del>50.2</del>	<del>54291.02</del>	<del>686431</del>	<del>469.9439 ng/ml</del> *
Mitragynine	5.230	810291	2288.61	39.4	417819.66	743759	389.1701 ng/ml
Morphine	1.240	195463	626.87	35.9	1667.97	8243	266.5483 ng/ml
Norbuprenorphine	4.986	9481	16310.97	98.8	539.13	17360	27.7826 ng/ml
Nordiazepam	5.893	1994746	644.81	54.7	908.03	230767	283.5390 ng/ml
Norfentanyl	4.079	652579	1063.90	35.4	489.11	1054107	26.8197 ng/ml
Norhydrocodone	3.059	190284	179.14	41.0	93.34	52104	278.9521 ng/ml
Noroxycodone	2.903	1425544	1060.63	43.6	408.60	183848	268.8563 ng/ml
O-desmethyl-tramadol	3.369	8721415	6621.40	6.5	508.83	1859879	283.4472 ng/ml
Oxazepam	5.749	2196138	6817.11	74.2	5394.17	370758	269.6877 ng/ml
Oxycodone	2.827	3365399	2247.90	27.5	559.66	552906	273.1765 ng/ml
Oxymorphone	1.391	1467714	∞	43.0	∞	191341	273.7595 ng/ml
Phentermine	3.783	1495587	1386.24	4.1	1853.62	685583	272.7914 ng/ml
Promethazine	5.532	4659467	2862.86	28.2	2998.36	740873	276.2169 ng/ml
Pseudoephedrine	2.589	8217107	527.31	15.7	45458.43	1433237	274.8938 ng/ml
Quetiapine	5.541	2980577	150137.39	59.3	500.57	163231	273.6452 ng/ml
Sertraline	5.769	986423	366.19	94.9	511.10	150212	286.7291 ng/ml
Temazepam	5.816	5261085	32180.51	27.5	15603.50	928758	260.9562 ng/ml
Tramadol	4.239	8167438	6704.60	3.5	695.77	1523334	288.6773 ng/ml
Trazodone	5.142	3313425	190569.68	82.2	204133.13	456207	269.8796 ng/ml
Venlafaxine	5.037	7056282	57640.27	35.8	1041.11	1342260	275.5135 ng/ml
Zolpidem	4.901	8230103	7534.03	29.0	2592.54	1571404	283.8556 ng/ml

\*Not evaluated

\*\*Outside curve range

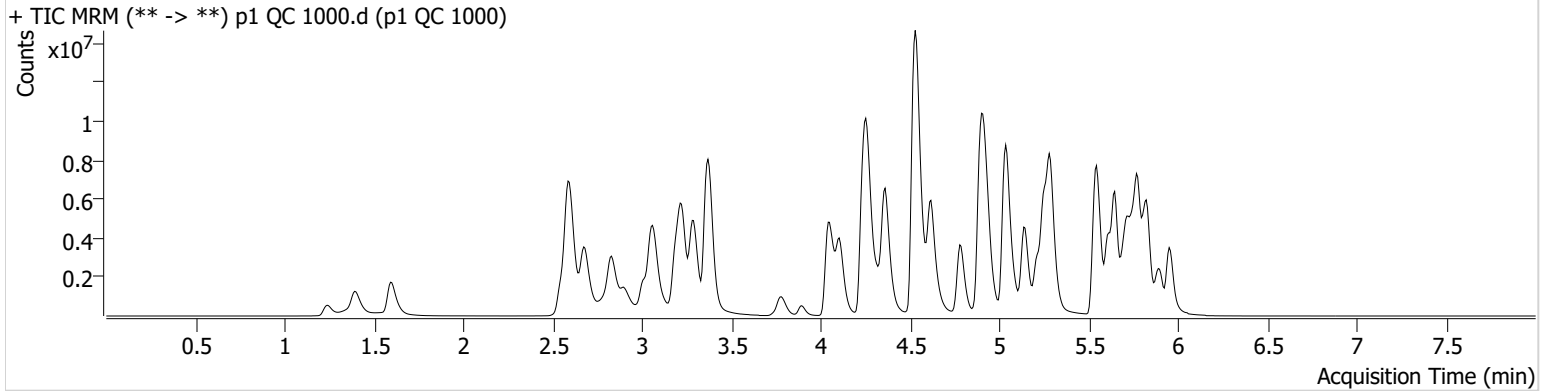
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

<b>Instrument</b>	Falco (069901)	<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-E11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/7/2021 4:54:38 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	307832	630.04	69.7	3437.29	77168	107.8361 ng/ml
7-aminoclonazepam	4.278	1363181	256.90	77.3	4097.29	64113	1189.5271 ng/ml
<del>alpha-hydroxyalprazolam</del>	<del>5.685</del>	<del>911791</del>	<del>541.84</del>	<del>57.7</del>	<del>983.49</del>	<del>214993</del>	<del>534.8394 ng/ml</del> **
alpha-PHP	4.930	2481866	47376.05	275.6	104065.27	467173	1017.0865 ng/ml
alpha-PVP	4.363	12193989	∞	52.1	126376.07	467173	1138.9942 ng/ml
Alprazolam	5.775	6529587	∞	111.6	1442.63	214993	1071.4207 ng/ml
<del>Amphetamine</del>	<del>3.063</del>	<del>10879922</del>	<del>82638.63</del>	<del>48.7</del>	<del>26255.56</del>	<del>152927</del>	<del>896.1127 ng/ml</del> **
Benzoylcegonine	3.892	626836	21446.71	8.1	3900.17	20490	1217.8825 ng/ml
Buprenorphine	5.792	84145	16166.50	13.3	13548.97	30916	116.4577 ng/ml
Bupropion	4.781	6627127	251077.85	61.6	1477.20	214898	1093.4805 ng/ml
Carisoprodol	5.724	3736015	2364499.54	57.0	20587.88	158679	1207.1771 ng/ml
Citalopram	5.212	4986718	547403.46	38.6	1027.87	194907	1165.0283 ng/ml
<del>Clonazepam</del>	<del>5.612</del>	<del>5510410</del>	<del>38814.79</del>	<del>31.9</del>	<del>34518.51</del>	<del>75235</del>	<del>983.1767 ng/ml</del> **
Clonazepam	5.555	4082164	417015.37	37.6	44666.60	75235	1070.2969 ng/ml
Cocaine	4.257	9507466	1596.64	52.5	870.34	746242	1141.7574 ng/ml
Codeine	2.566	808583	916.97	96.9	8939.42	51435	883.3740 ng/ml
Cyclobenzaprine	5.615	3098357	5052.01	8.5	1031.09	114734	1152.2591 ng/ml
Dextromethorphan	5.262	2295971	1028.68	78.3	663.55	104624	1117.9272 ng/ml
Dextrophan	4.105	3161709	182188.25	208.8	1982.81	318398	1174.2734 ng/ml
Diazepam	5.953	4917828	19835.82	86.3	16502.42	214089	1130.1082 ng/ml
Dihydrocodeine	2.545	2957127	19659.79	68.6	3047.59	233190	846.9571 ng/ml
Diphenhydramine	5.289	12848255	1675.83	32.3	858.94	703025	1175.4096 ng/ml
Doxylamine	4.529	27811290	11888.75	96.9	60492.08	1173373	1033.9475 ng/ml
EDDP	5.254	8610807	50803.45	40.9	102911.83	403091	1171.8647 ng/ml
Etizolam	5.813	4958425	3048.13	24.8	31591.58	75235	1258.1826 ng/ml
<del>Fentanyl</del>	<del>5.103</del>	<del>406543</del>	<del>24938.45</del>	<del>64.9</del>	<del>213050.26</del>	<del>193310</del>	<del>124.1485 ng/ml</del> **
Flualprazolam	5.705	2732471	10769.57	103.3	3596.29	214993	1012.4081 ng/ml
Fluoxetine	5.700	1759397	14811.61	8.6	361102.37	68727	1152.5399 ng/ml
Hydrocodone	3.012	4536399	644.71	39.2	1924.38	278213	1033.0976 ng/ml
Hydromorphone	1.595	3809638	6281146.91	78.6	1007153.42	6229	1021.3922 ng/ml
Ketamine	4.044	10475430	130223.06	34.3	52179.32	487263	1087.7046 ng/ml
<del>Lamotrigine</del>	<del>4.280</del>	<del>520407</del>	<del>3296.85</del>	<del>84.4</del>	<del>4801.95</del>	<del>487263</del>	<del>801.8152 ng/ml</del> **
Levetiracetam	2.683	3932857	41028.56	167.3	7959.71	814740	1300.5963 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	<del>5.740</del>	<del>1556628</del>	<del>167858.21</del>	<del>57.8</del>	<del>3742.69</del>	<del>75235</del>	<del>336.4596 ng/ml</del> **
MDA	3.189	7319225	2901.91	22.6	1586.91	226984	917.0241 ng/ml
MDMA	3.290	8362352	228415.70	79.7	8554.62	69809	1132.9939 ng/ml
Meprobamate	4.924	1970412	32817.98	28.0	15423.62	110521	859.0663 ng/ml
Methadone	5.646	8466259	160495.84	48.5	118599.38	320553	1171.3427 ng/ml
Methamphetamine	3.224	10498504	2119.16	35.4	57662.53	475589	978.3670 ng/ml
Metoprolol	4.326	2001567	1421.60	93.5	8654.19	1079722	989.4461 ng/ml
Mirtazapine	<del>4.617</del>	<del>9774640</del>	<del>142576.81</del>	<del>49.2</del>	<del>11502.75</del>	<del>467173</del>	<del>1450.8339 ng/ml</del> *
Mitragynine	5.230	1186825	2734.63	39.3	815160.85	320553	1326.5708 ng/ml
Morphine	1.240	573390	∞	38.3	∞	6229	1037.1279 ng/ml
Norbuprenorphine	4.986	15606	3127.22	97.5	631.37	7397	111.1820 ng/ml
Nordiazepam	5.900	3958011	83956.73	54.1	1296.52	121824	1067.5638 ng/ml
Norfentanyl	4.079	1976306	33126.81	34.6	26007.43	715261	119.7450 ng/ml
Norhydrocodone	3.060	546559	174.98	42.5	240.67	33391	1250.2278 ng/ml
Noroxycodone	2.903	3108191	646.57	43.4	2264.70	98707	1093.9403 ng/ml
O-desmethyl-tramadol	3.369	23999159	62813.38	6.8	661.11	1314664	1104.4766 ng/ml
Oxazepam	5.749	2266083	50852.69	73.0	47566.48	102312	1010.5089 ng/ml
Oxycodone	2.827	10497638	1156.19	27.2	5139.11	441334	1070.0456 ng/ml
Oxymorphone	1.391	4011897	∞	43.1	829.40	133128	1078.3098 ng/ml
Phentermine	3.783	3238388	1599.19	4.1	248.96	448865	906.0322 ng/ml
Promethazine	5.532	7103376	96970.72	27.5	2658.65	276797	1128.4859 ng/ml
Pseudoephedrine	2.596	20669205	647084.35	15.3	102292.87	814740	1217.0772 ng/ml
Quetiapine	5.541	6323989	69681.13	59.3	3147241.79	89494	1061.4369 ng/ml
Sertraline	5.769	871504	138464.83	100.1	21019.64	32552	1171.1905 ng/ml
Temazepam	5.830	8276405	1010.59	26.6	9133.26	324643	1171.8517 ng/ml
Tramadol	4.239	20907166	649.38	3.5	954.41	1079722	1044.5494 ng/ml
Trazodone	5.135	7351305	186415.87	80.1	116129.24	239885	1140.3212 ng/ml
Venlafaxine	5.037	20294986	2312.16	35.9	3021.69	922037	1154.3714 ng/ml
Zolpidem	4.901	23113704	163116.29	31.2	78990.73	1292827	971.1048 ng/ml

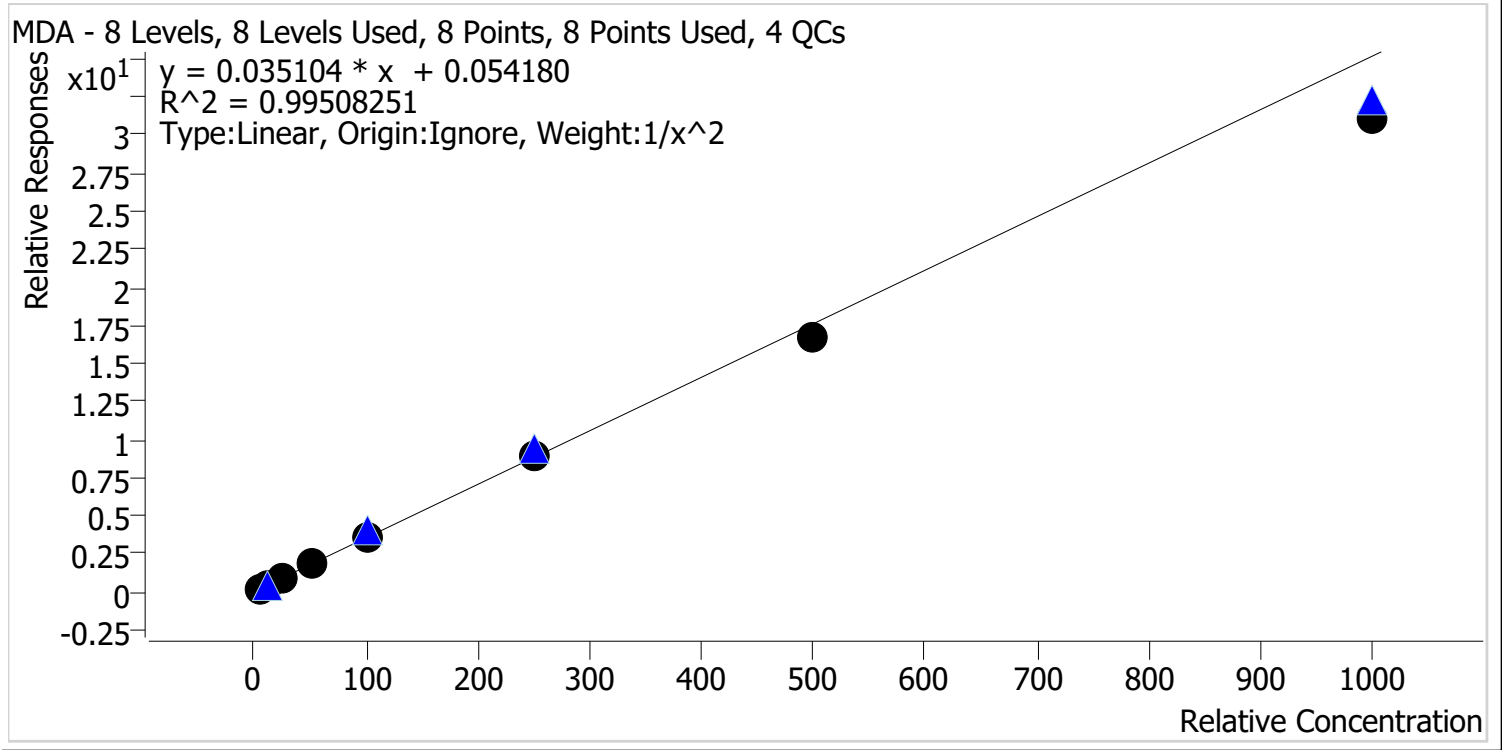
\*Not evaluated

\*\*Outside curve range



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** MDA **Internal Standard** MDA-D5



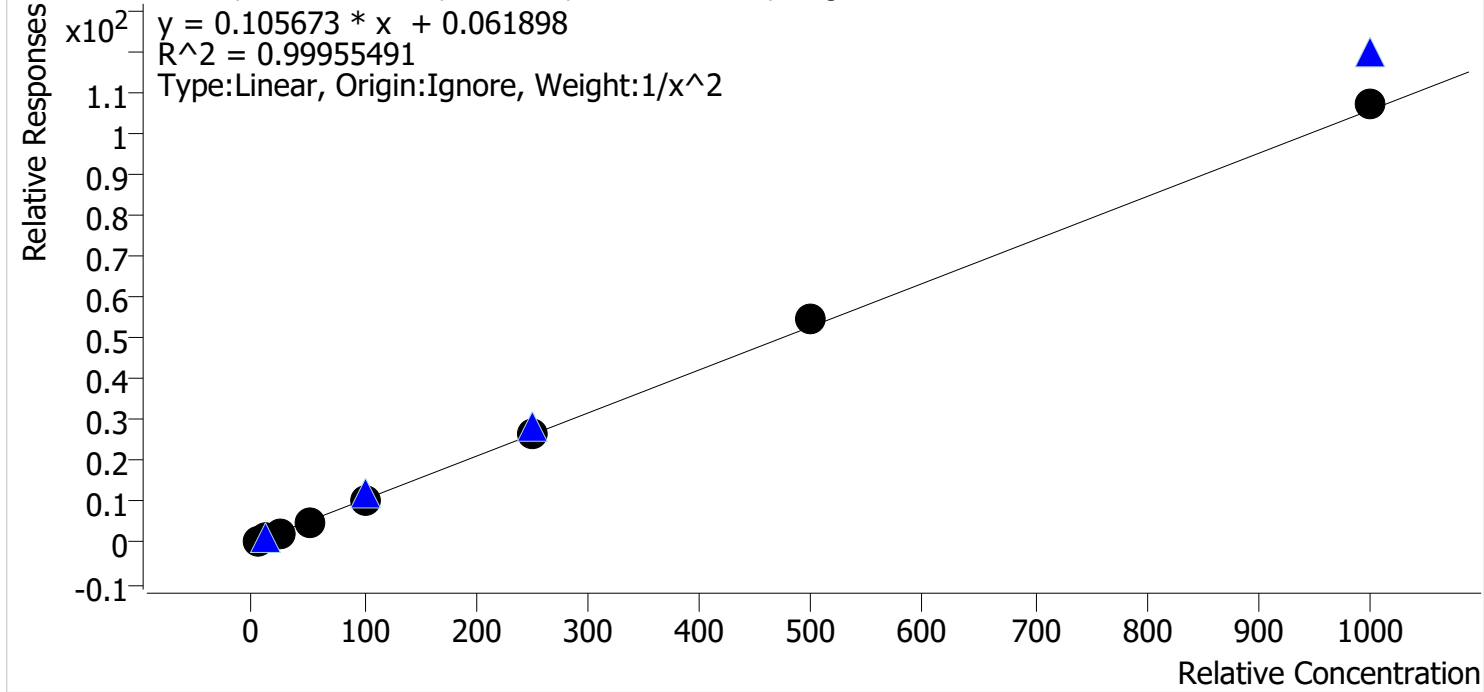
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	476.5	95.3
p1 Cal 8-1000ng	8	✓	1000.0	882.0	88.2



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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



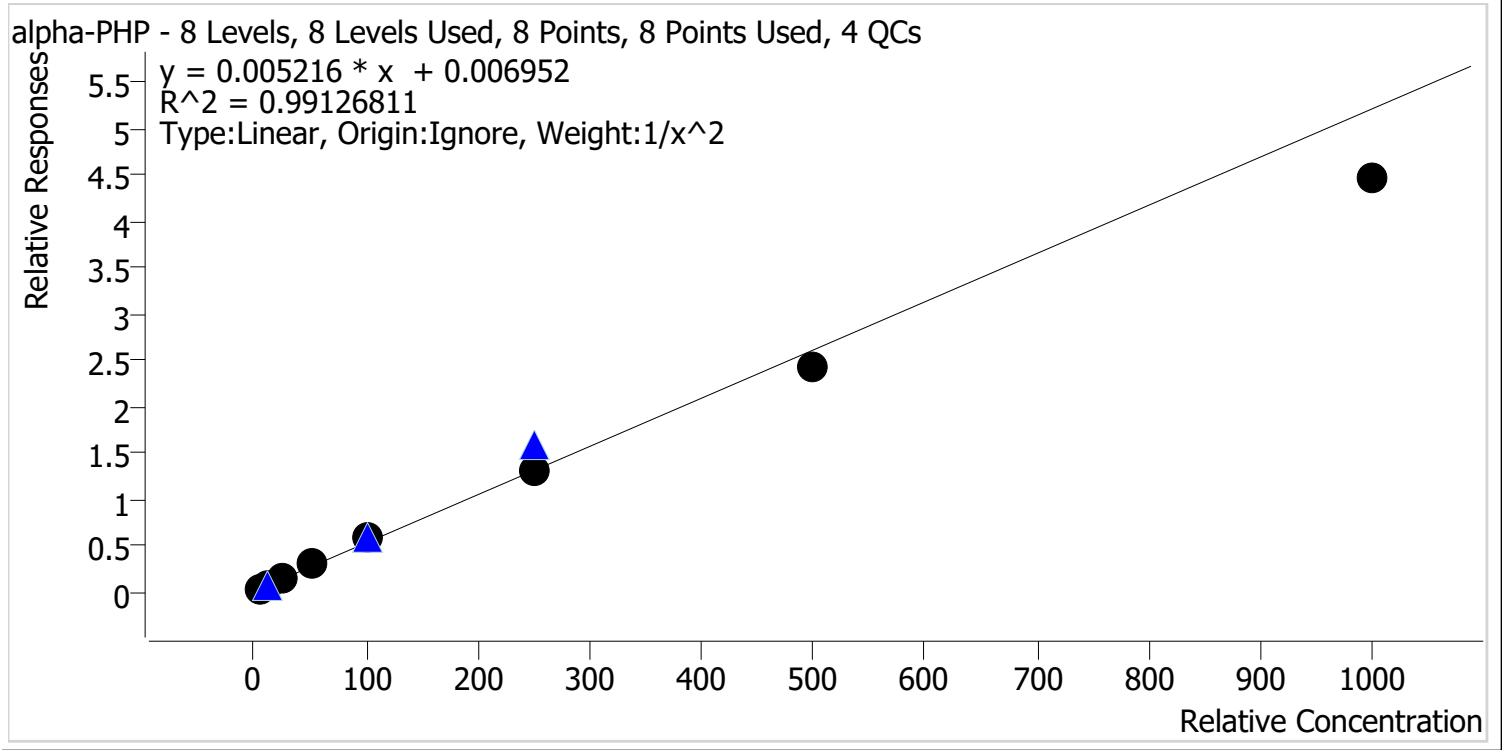
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	49.8	99.5
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	514.0	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1012.2	101.2





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

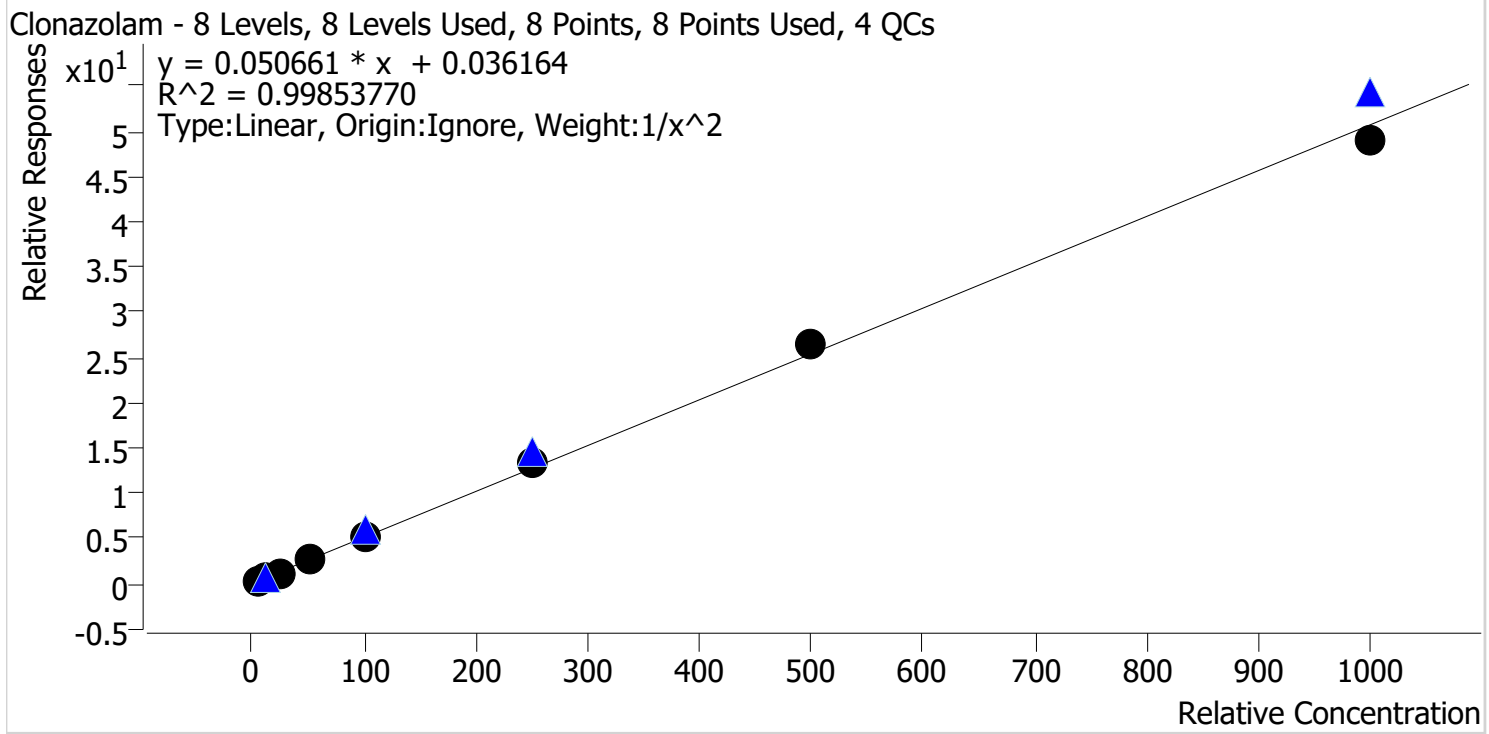


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	111.3	111.3
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	468.3	93.7
p1 Cal 8-1000ng	8	✓	1000.0	854.3	85.4



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

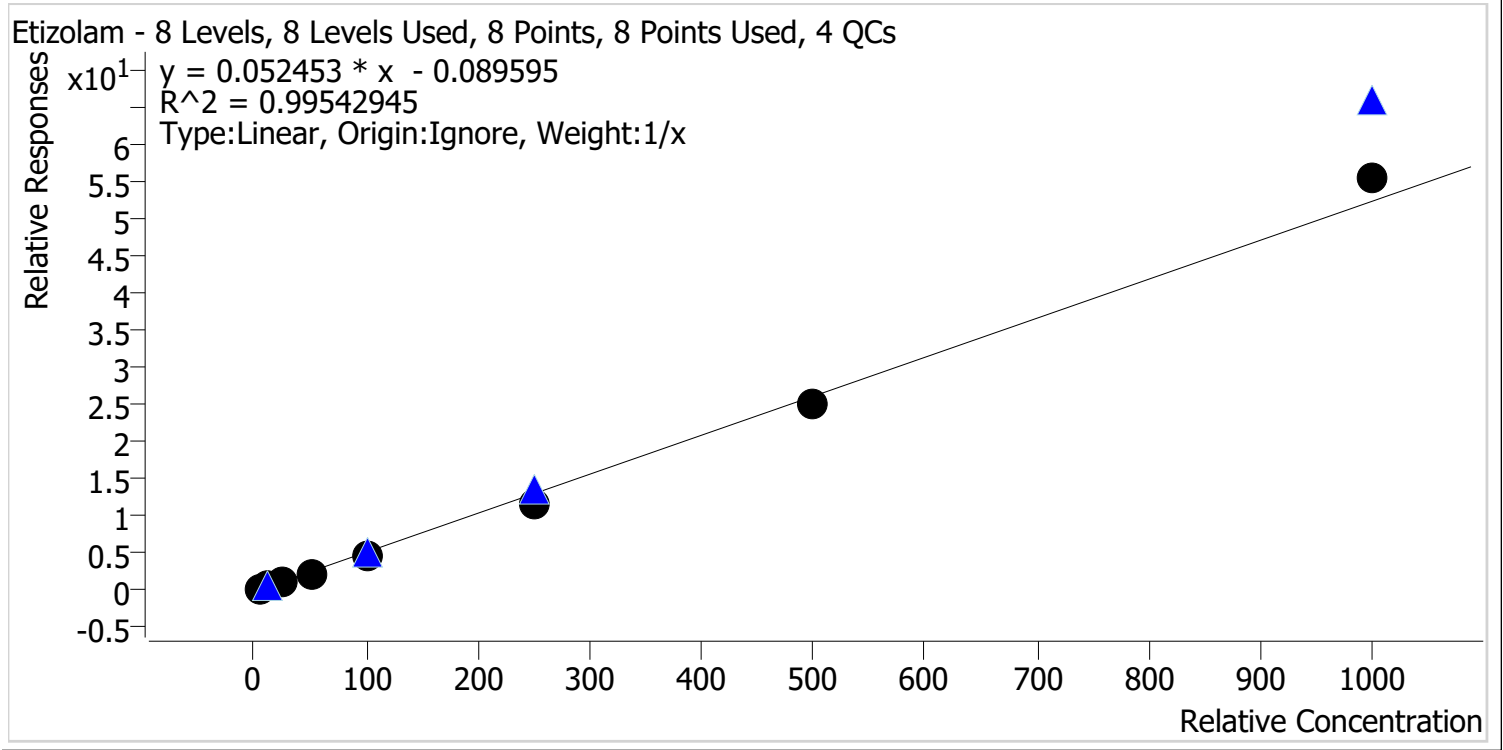


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	48.7	97.3
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	259.5	103.8
p1 Cal 7-500ng	7	✓	500.0	524.5	104.9
p1 Cal 8-1000ng	8	✓	1000.0	967.7	96.8



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

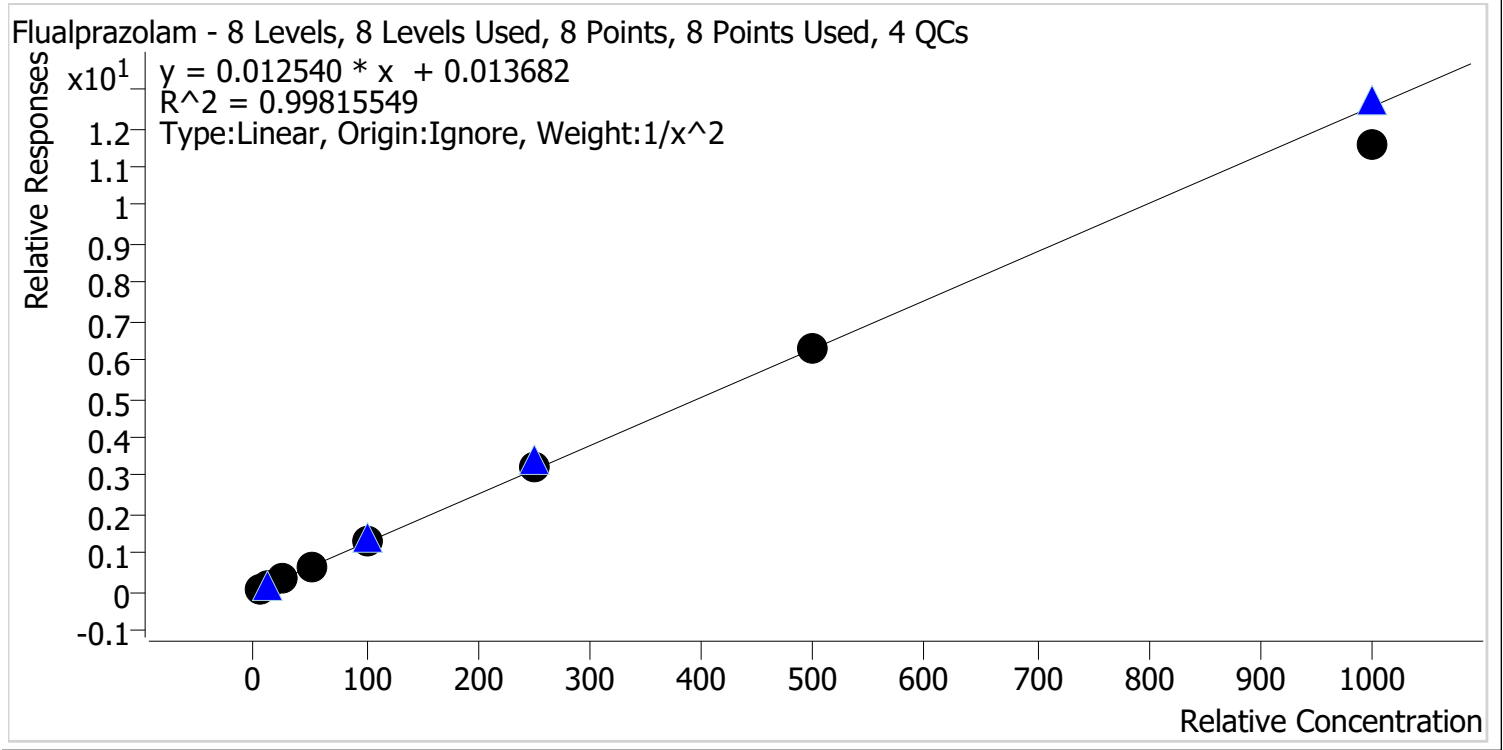


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.4	127.7
p1 Cal 2-10ng	2	✓	10.0	11.0	109.8
p1 Cal 3 -25ng	3	✓	25.0	22.6	90.3
p1 Cal 4-50ng	4	✓	50.0	44.1	88.3
p1 Cal 5-100ng	5	✓	100.0	91.1	91.1
p1 Cal 6-250ng	6	✓	250.0	226.9	90.8
p1 Cal 7-500ng	7	✓	500.0	481.8	96.4
p1 Cal 8-1000ng	8	✓	1000.0	1056.1	105.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



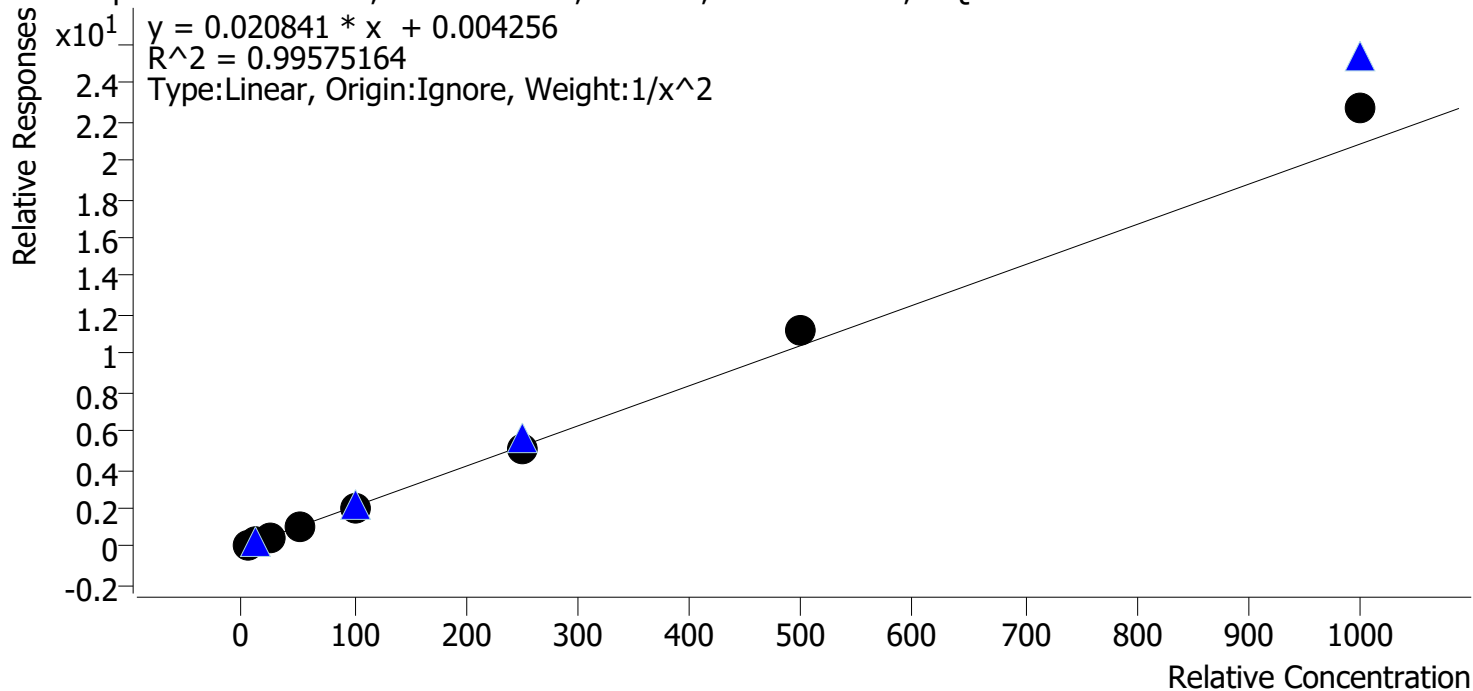
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	254.6	101.9
p1 Cal 7-500ng	7	✓	500.0	500.6	100.1
p1 Cal 8-1000ng	8	✓	1000.0	923.2	92.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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

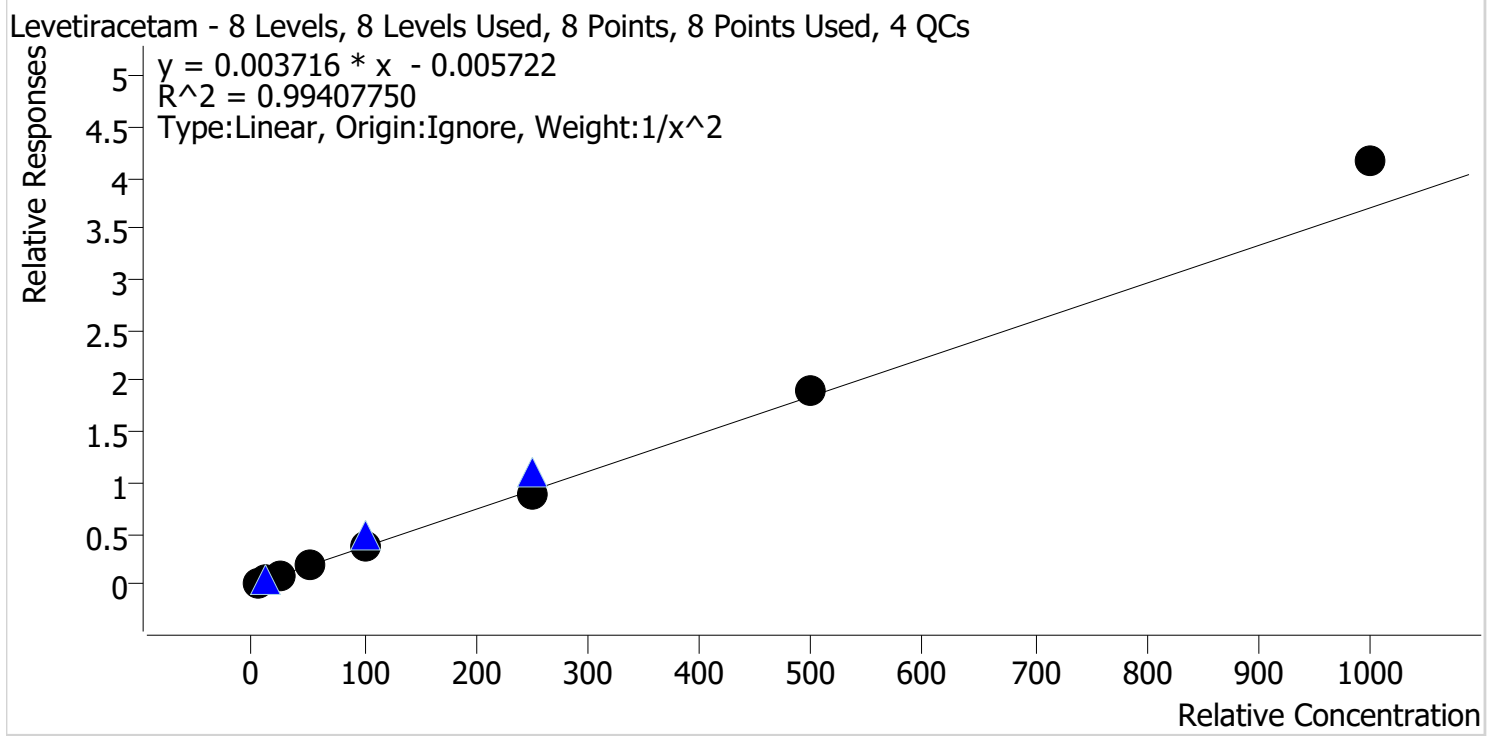


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	47.4	94.8
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	240.2	96.1
p1 Cal 7-500ng	7	✓	500.0	538.3	107.7
p1 Cal 8-1000ng	8	✓	1000.0	1087.7	108.8



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3



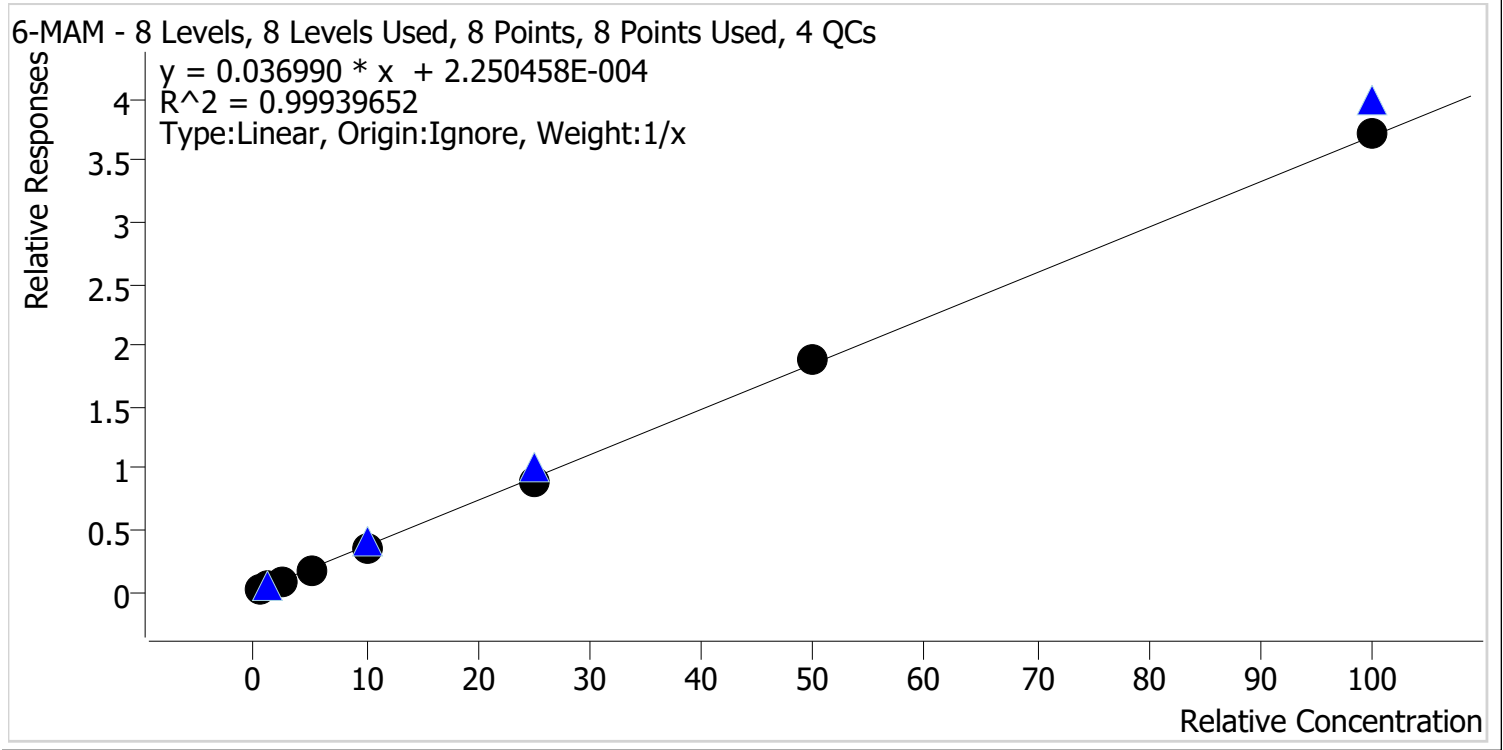
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	22.3	89.1
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	244.3	97.7
p1 Cal 7-500ng	7	✓	500.0	515.9	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1125.7	112.6

g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

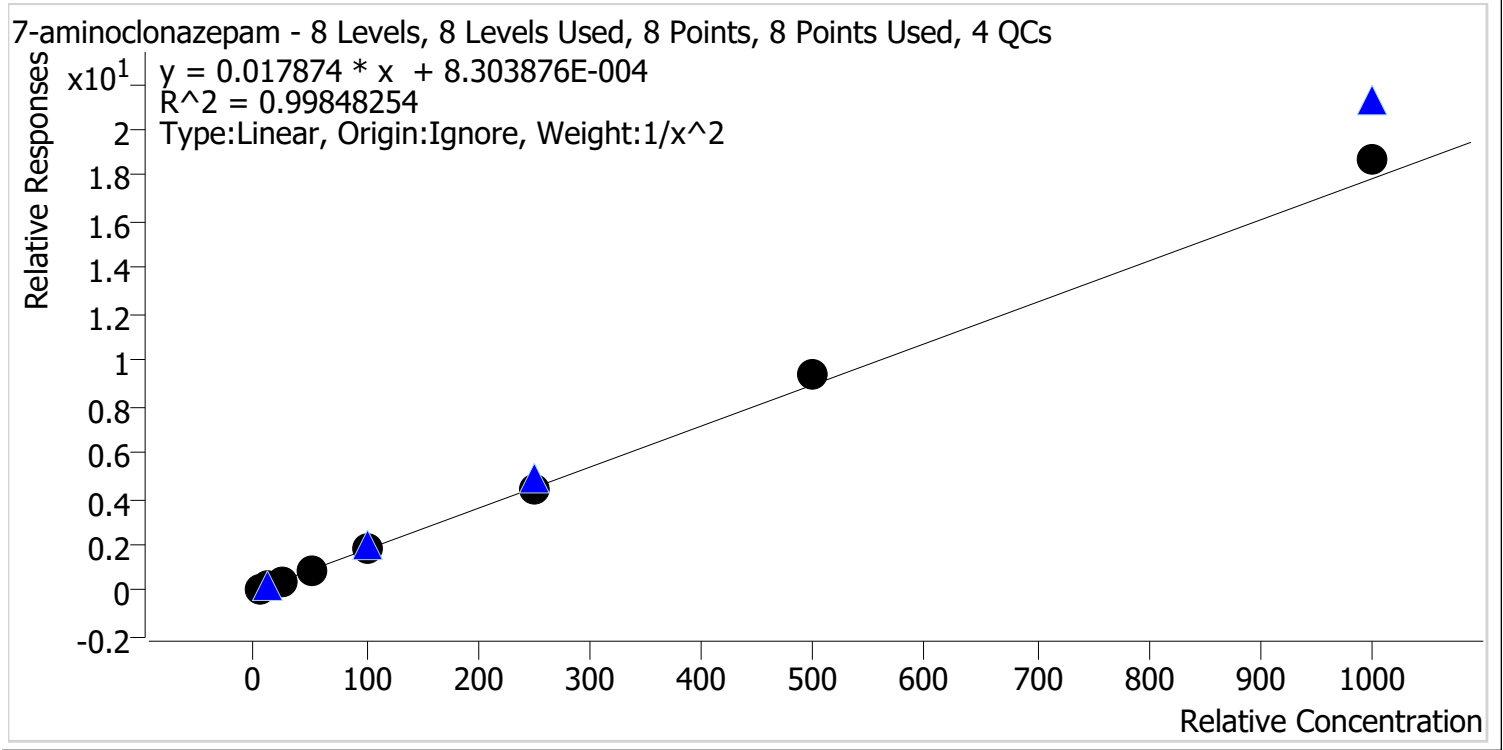


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.6	115.7
p1 Cal 2-10ng	2	✓	1.0	1.0	101.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.4
p1 Cal 4-50ng	4	✓	5.0	4.7	93.2
p1 Cal 5-100ng	5	✓	10.0	9.7	96.7
p1 Cal 6-250ng	6	✓	25.0	24.3	97.0
p1 Cal 7-500ng	7	✓	50.0	51.2	102.3
p1 Cal 8-1000ng	8	✓	100.0	100.3	100.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	48.4	96.9
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	522.1	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1049.3	104.9

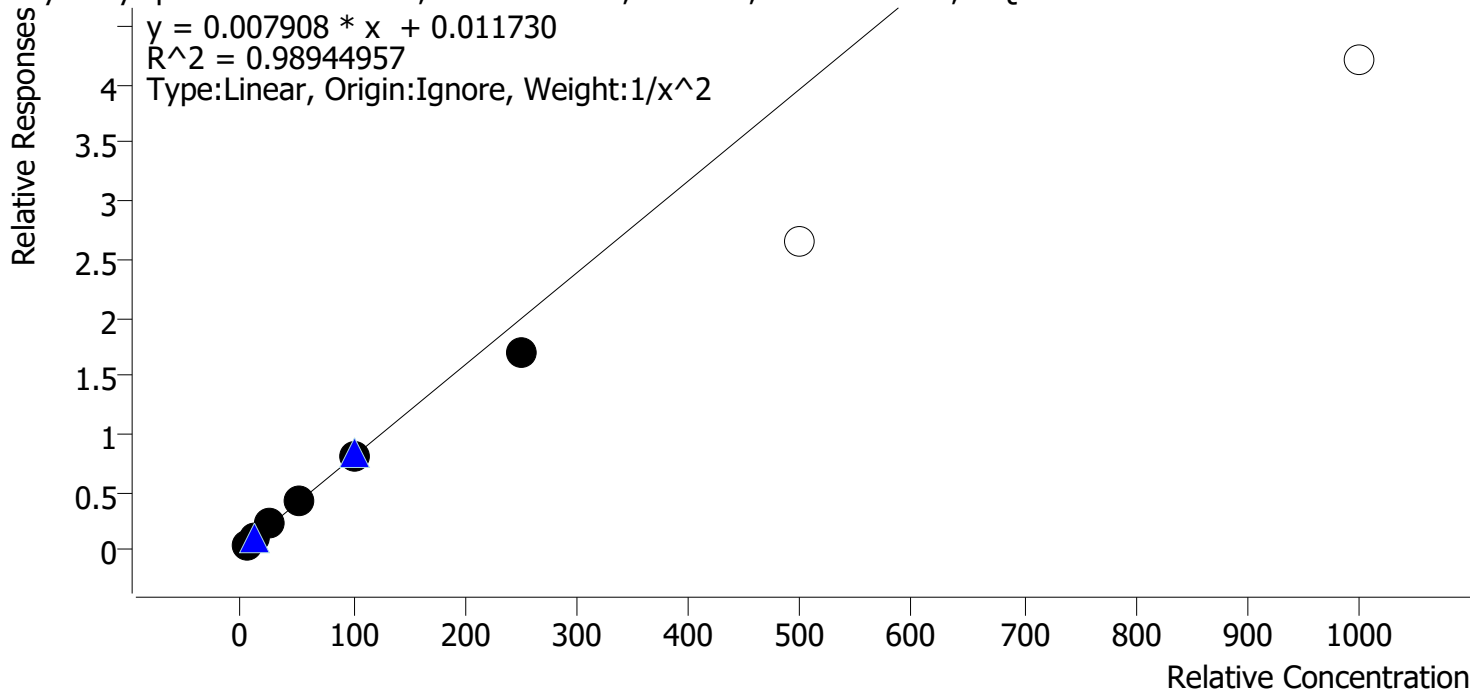




# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datator  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5

a-hydroxyalprazolam - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.0
p1 Cal 2-10ng	2	✓	10.0	10.7	106.6
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	213.6	85.5
p1 Cal 7-500ng	7	✗	500.0	334.0	66.8
p1 Cal 8-1000ng	8	✗	1000.0	530.7	53.1

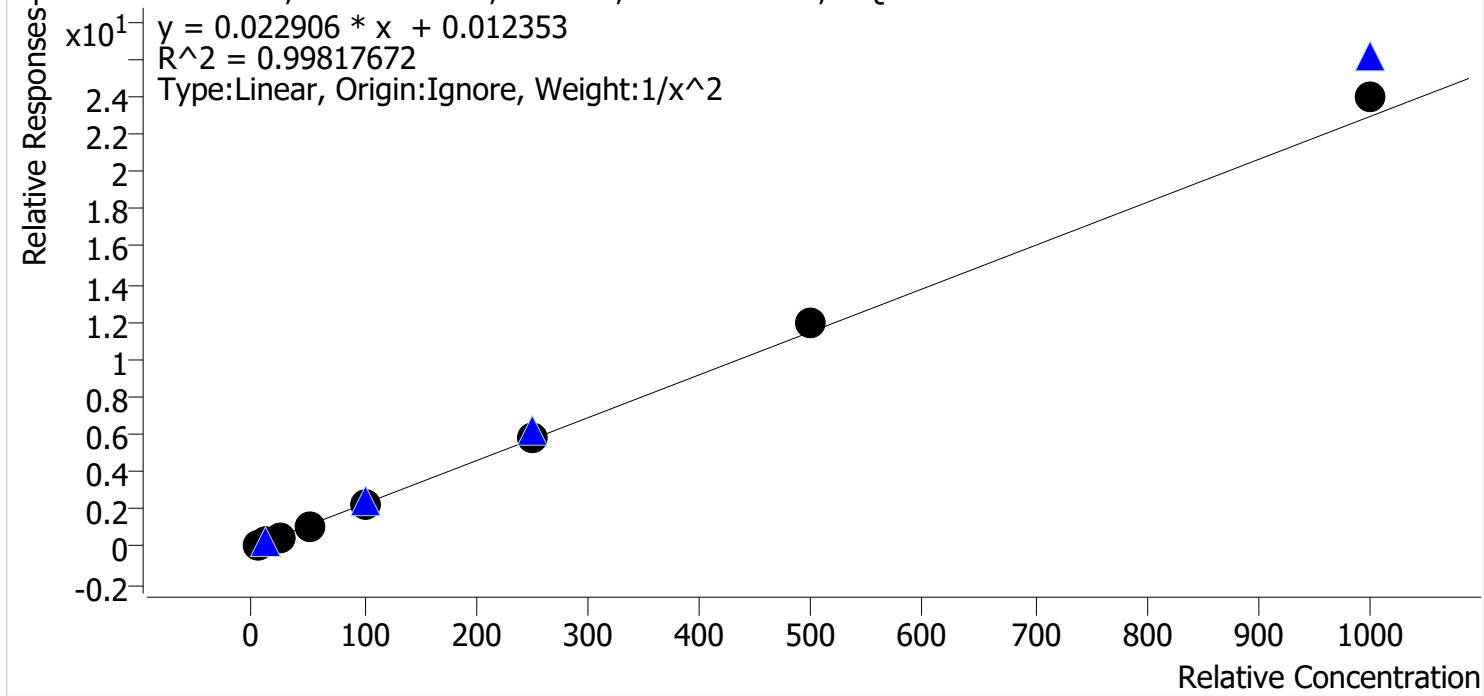
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

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

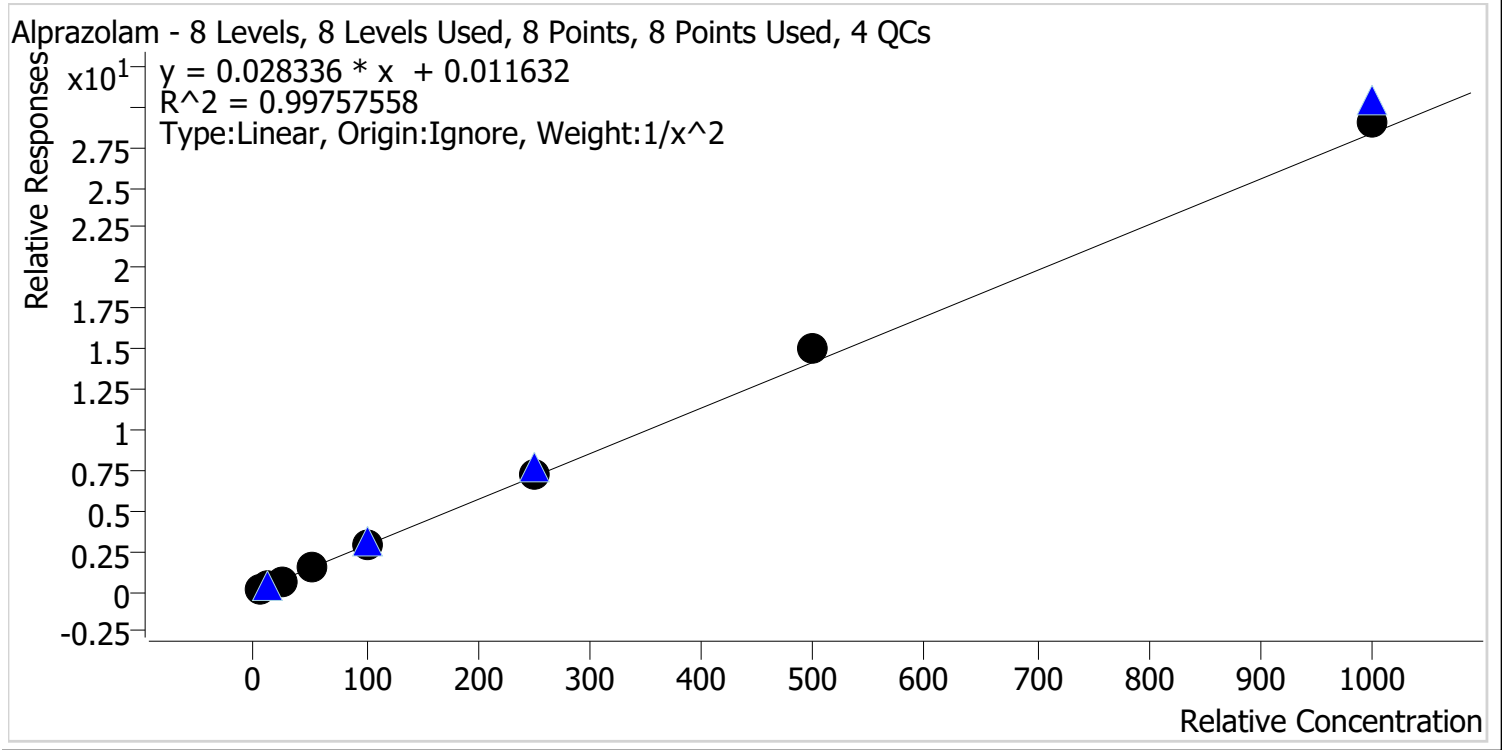


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.5	96.9
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	523.8	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1048.8	104.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



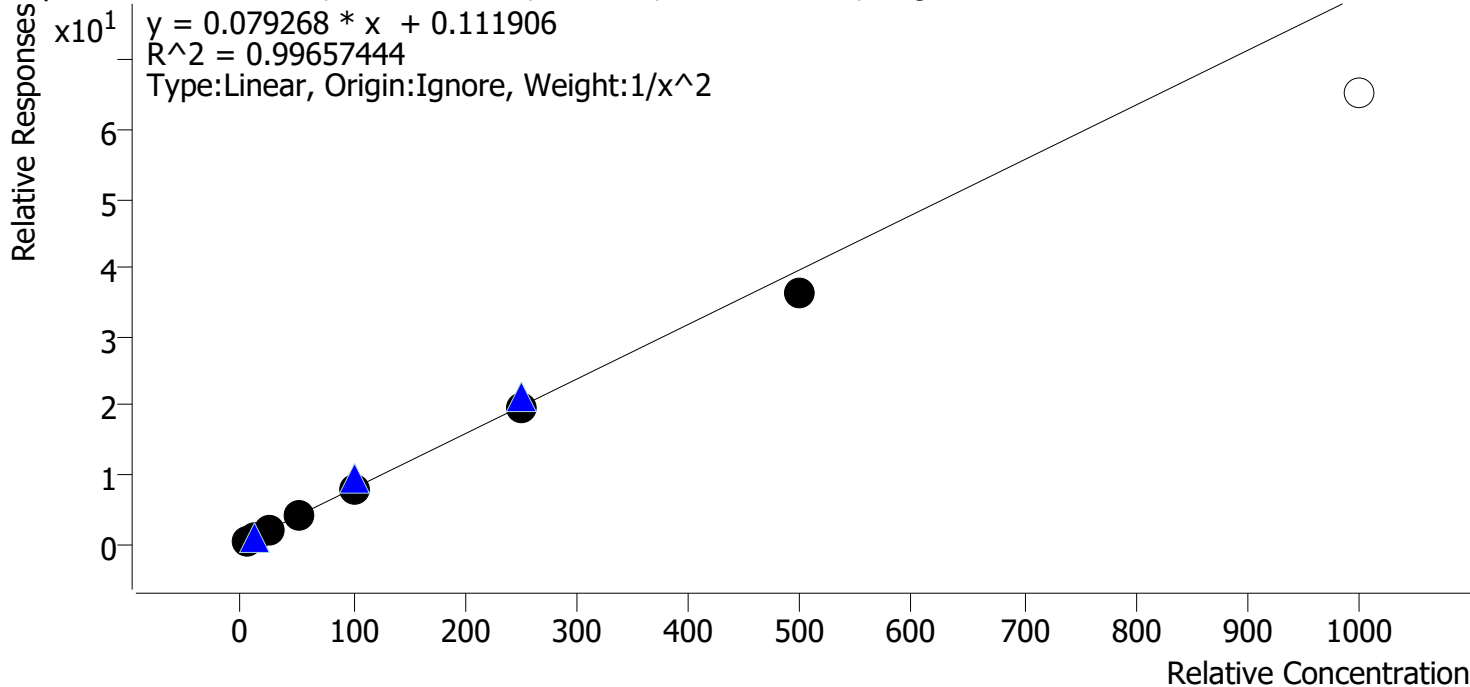
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.1
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	531.5	106.3
p1 Cal 8-1000ng	8	✓	1000.0	1025.9	102.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	245.9	98.3
p1 Cal 7-500ng	7	✓	500.0	454.7	90.9
p1 Cal 8-1000ng	8	✗	1000.0	819.9	82.0

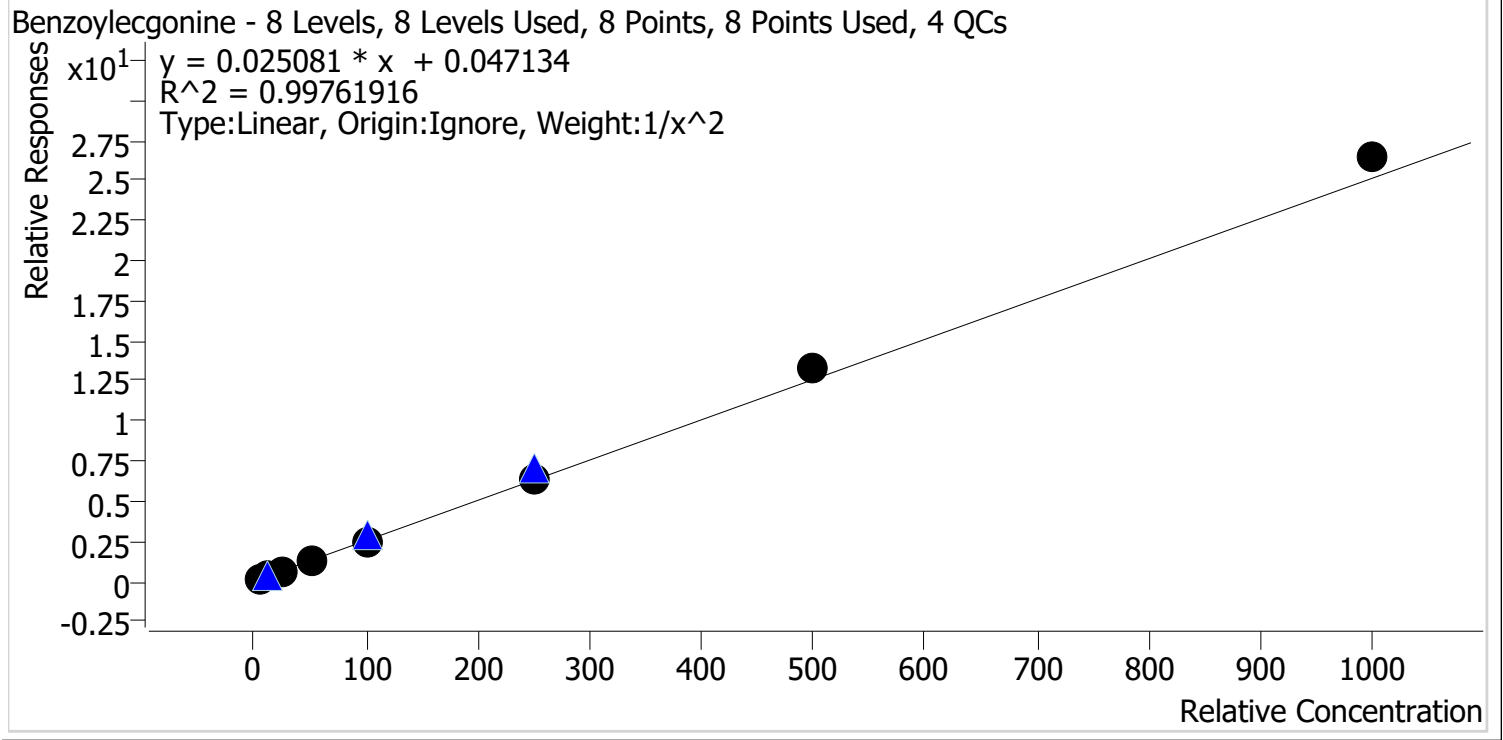
Calibrator 8 dropped due to QC not meeting accuracy requirement.

CS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datator  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



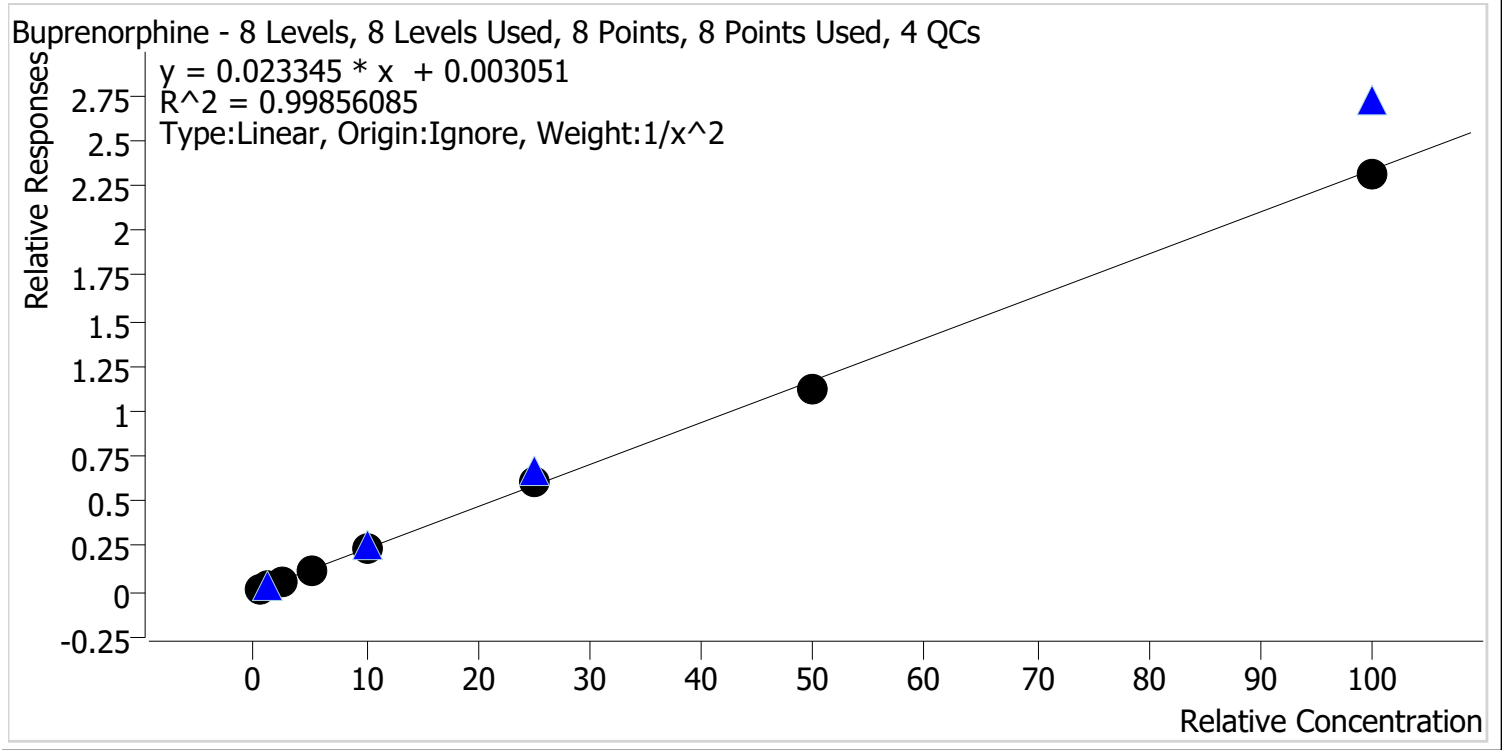
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	524.9	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1049.8	105.0

g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

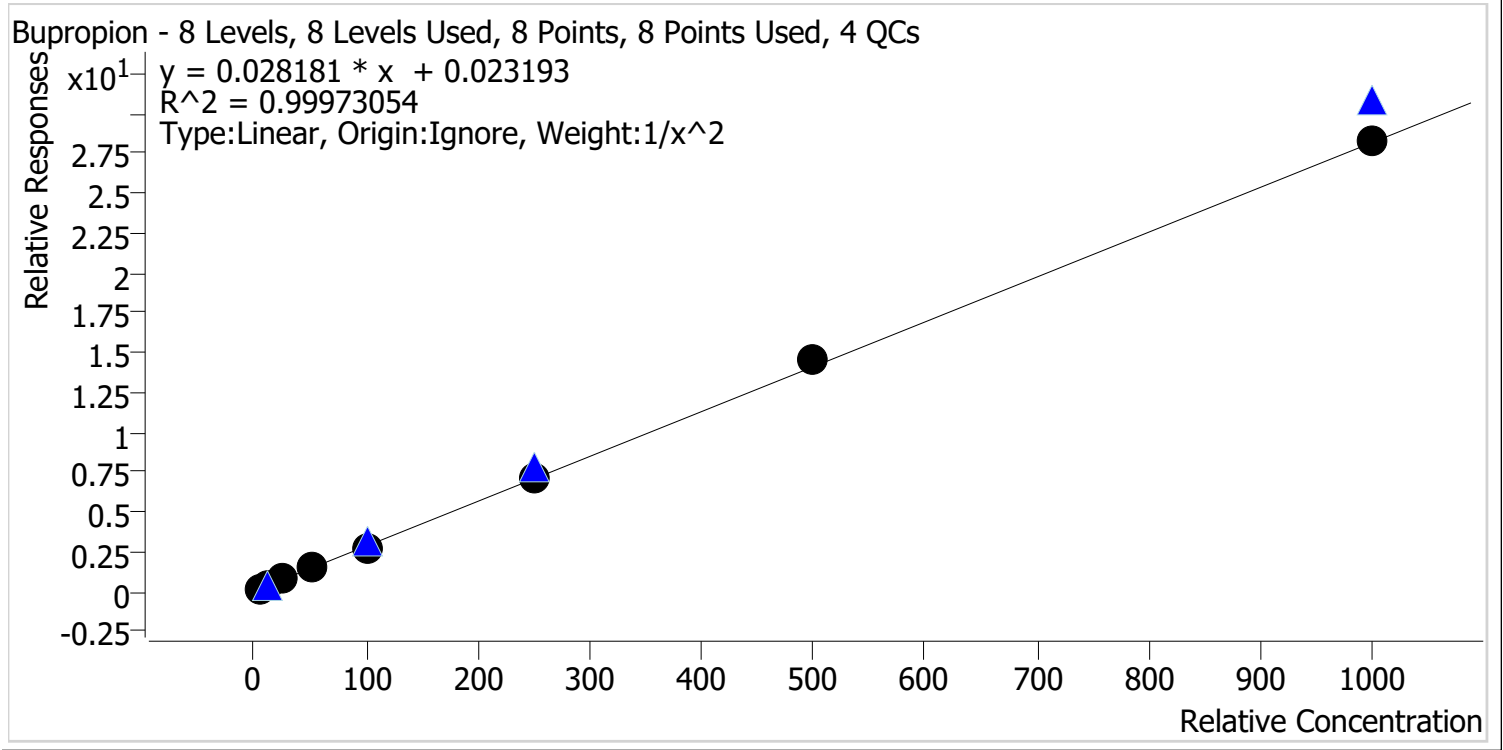


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.4
p1 Cal 2-10ng	2	✓	1.0	1.0	98.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.7
p1 Cal 4-50ng	4	✓	5.0	5.1	102.6
p1 Cal 5-100ng	5	✓	10.0	10.2	102.3
p1 Cal 6-250ng	6	✓	25.0	26.2	104.9
p1 Cal 7-500ng	7	✓	50.0	48.2	96.3
p1 Cal 8-1000ng	8	✓	100.0	98.7	98.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

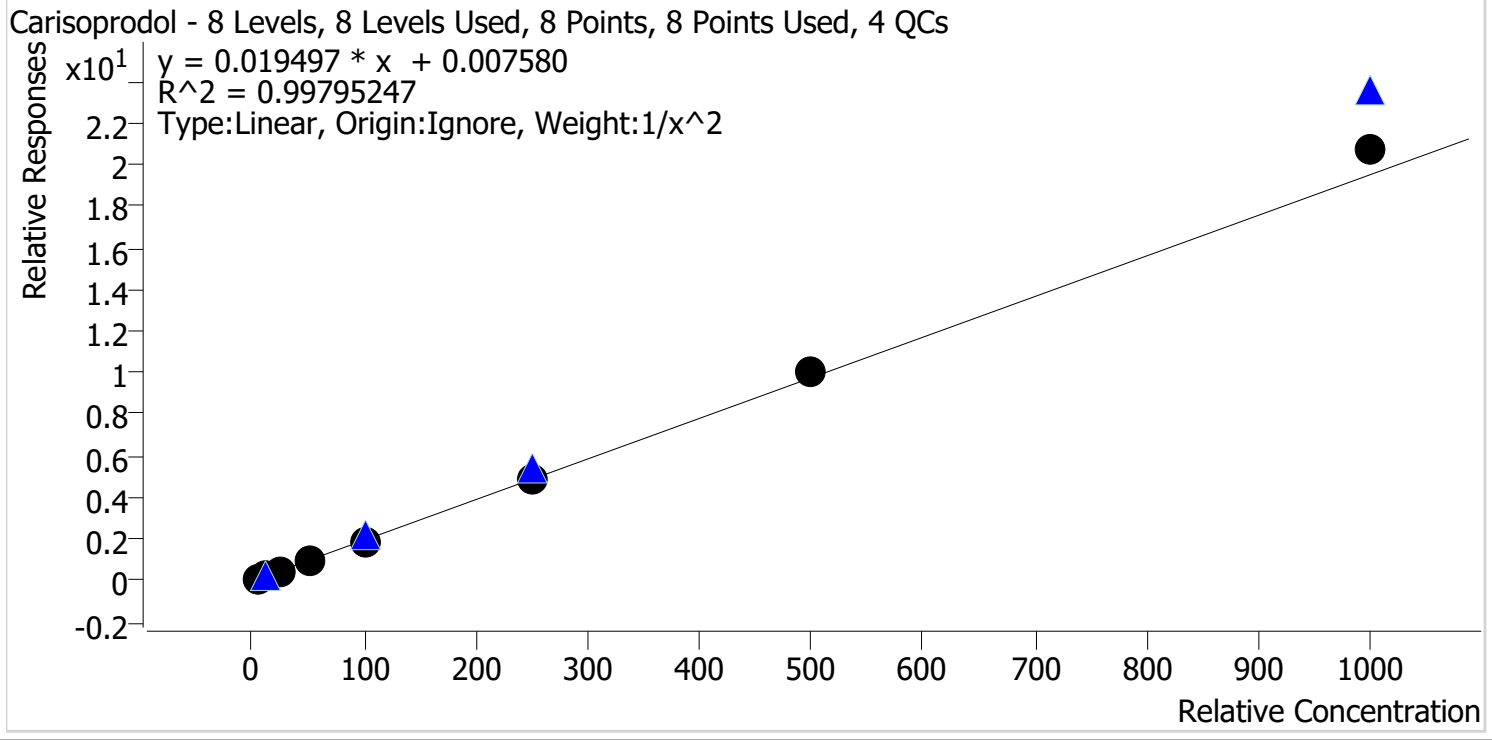


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	513.1	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1007.5	100.8



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



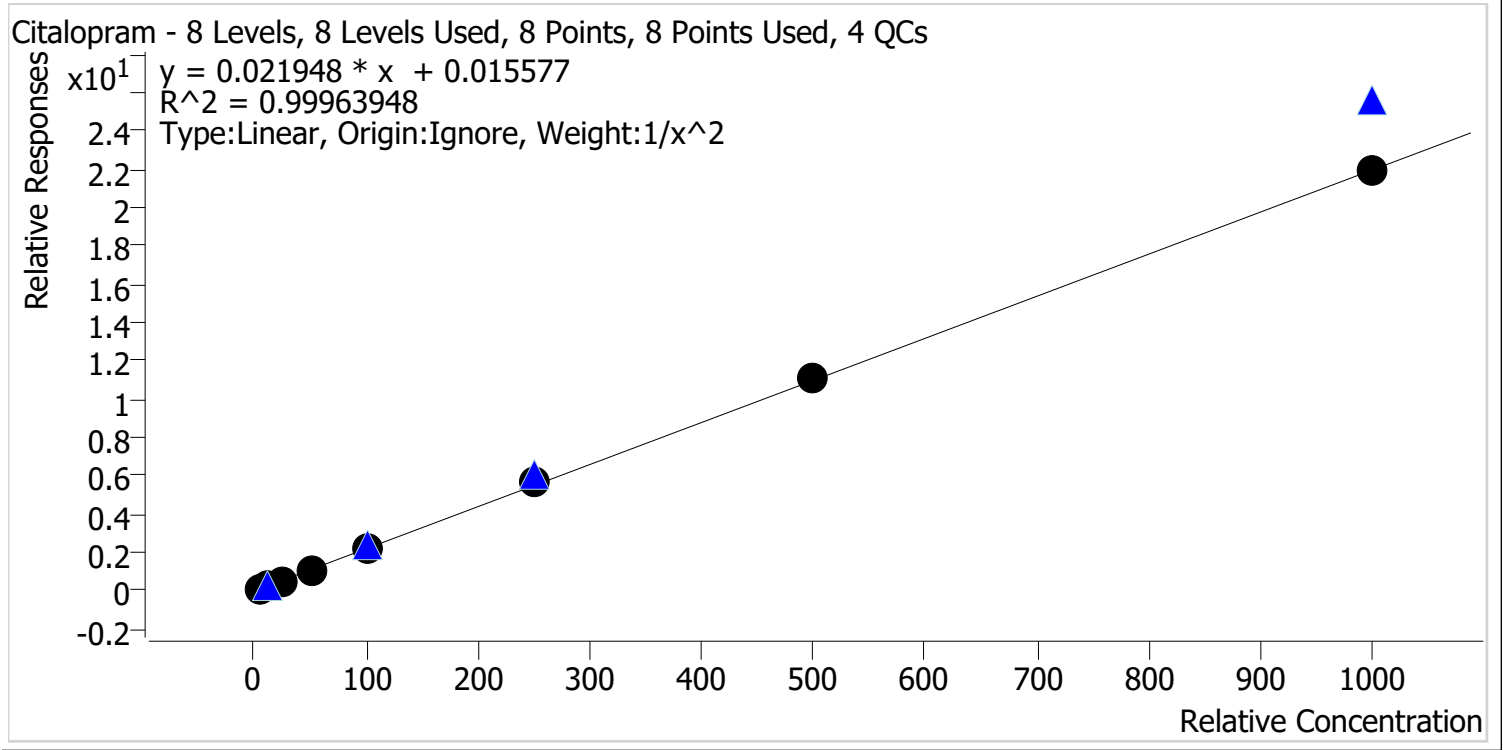
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	517.2	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1065.7	106.6





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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

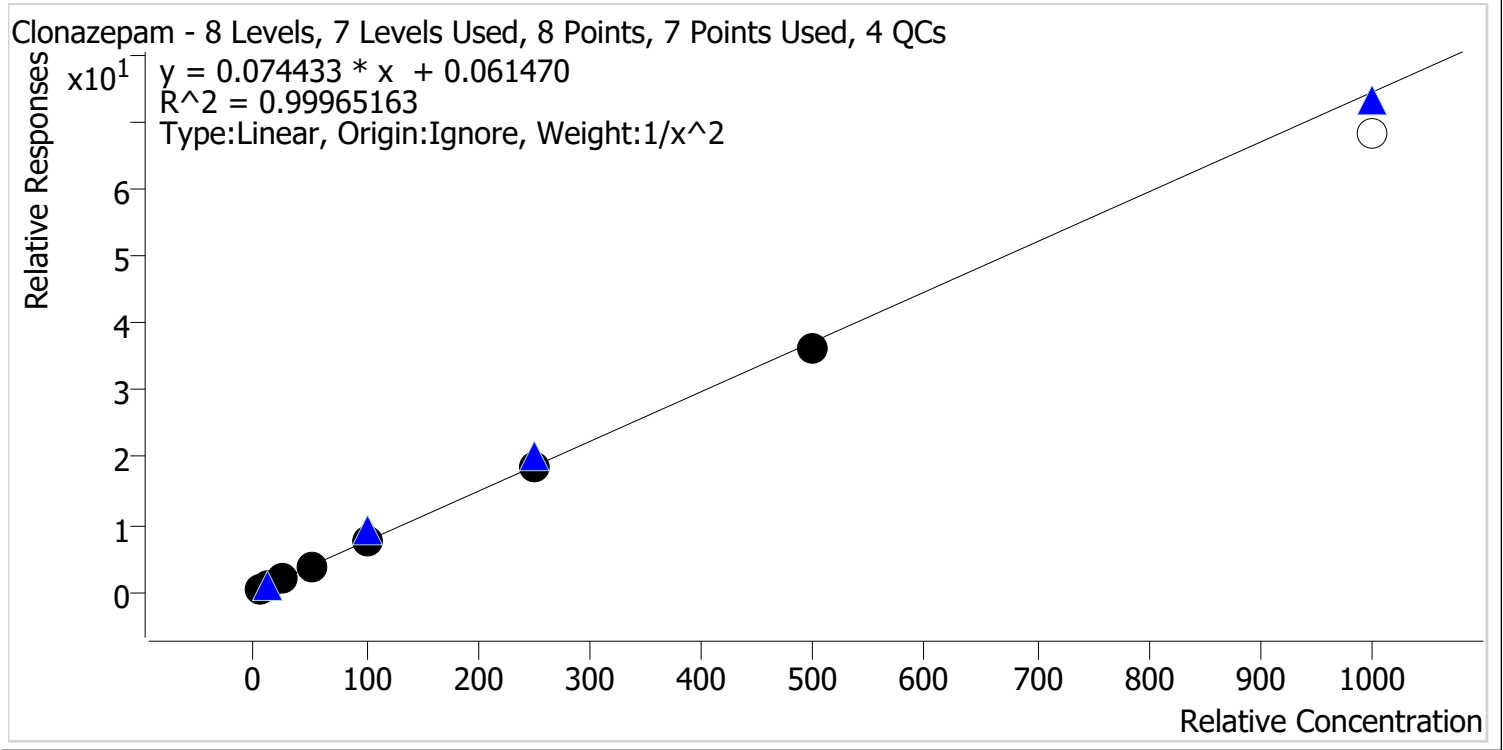


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	508.9	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1000.0	100.0



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



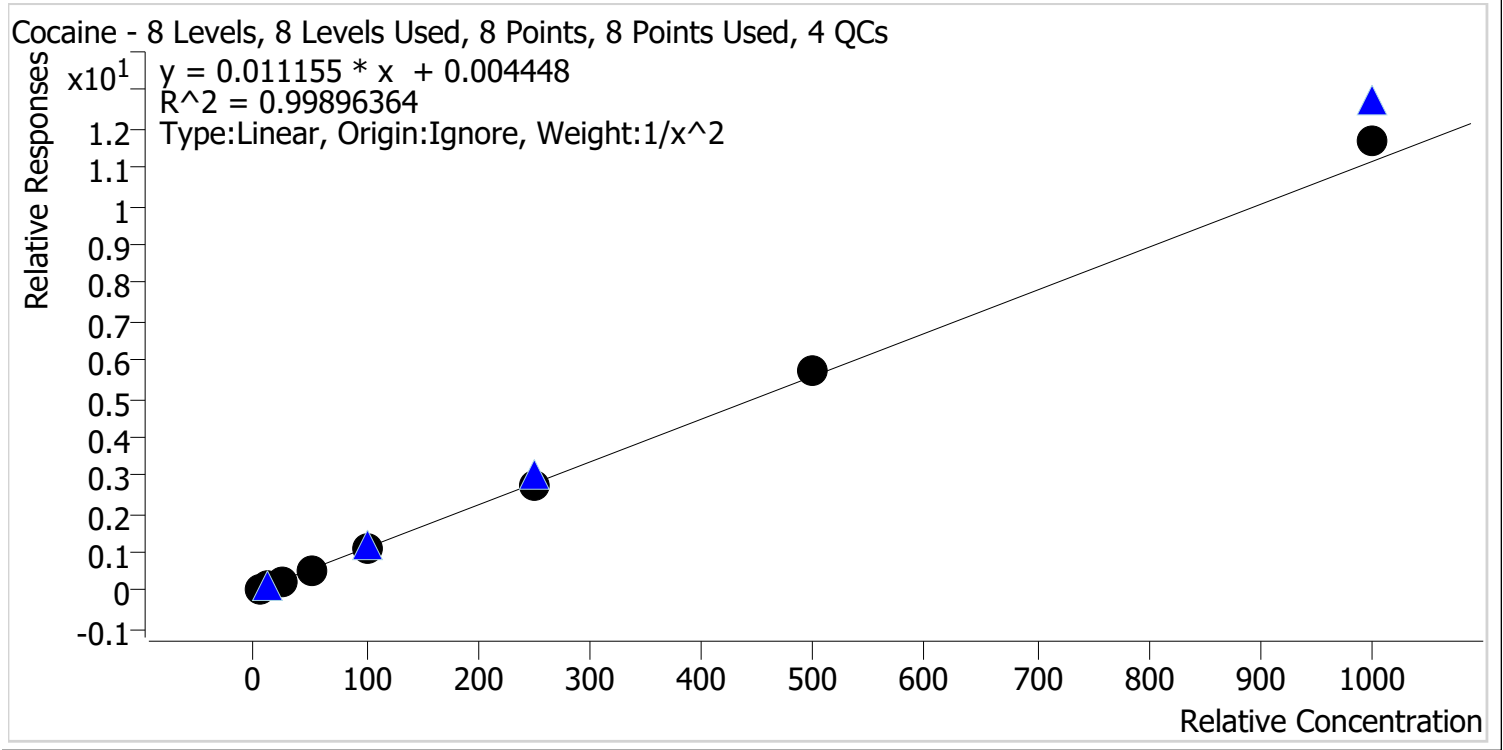
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	487.1	97.4
p1 Cal 8-1000ng	8	✗	1000.0	919.1	91.9

Calibrator 8 dropped due to QC not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

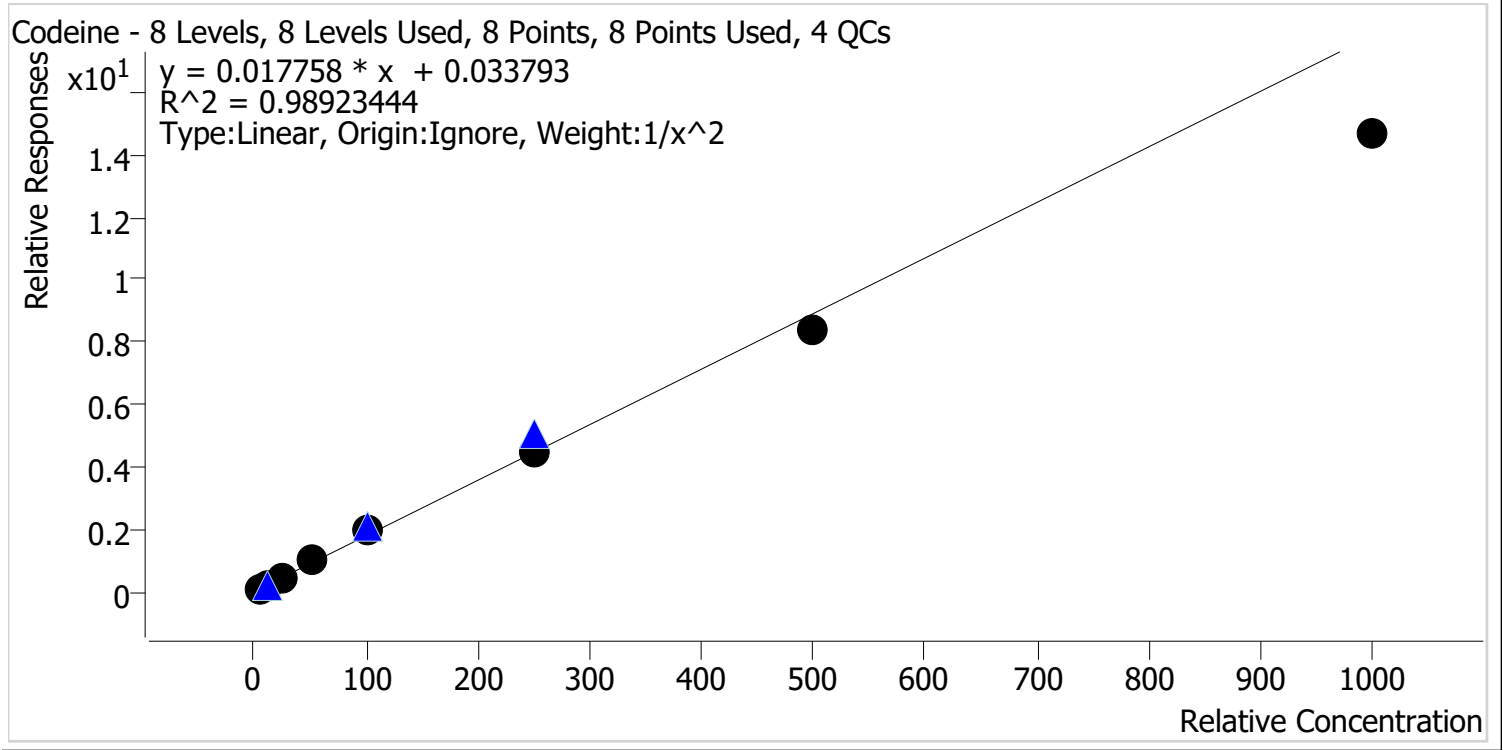


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	515.4	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1044.9	104.5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

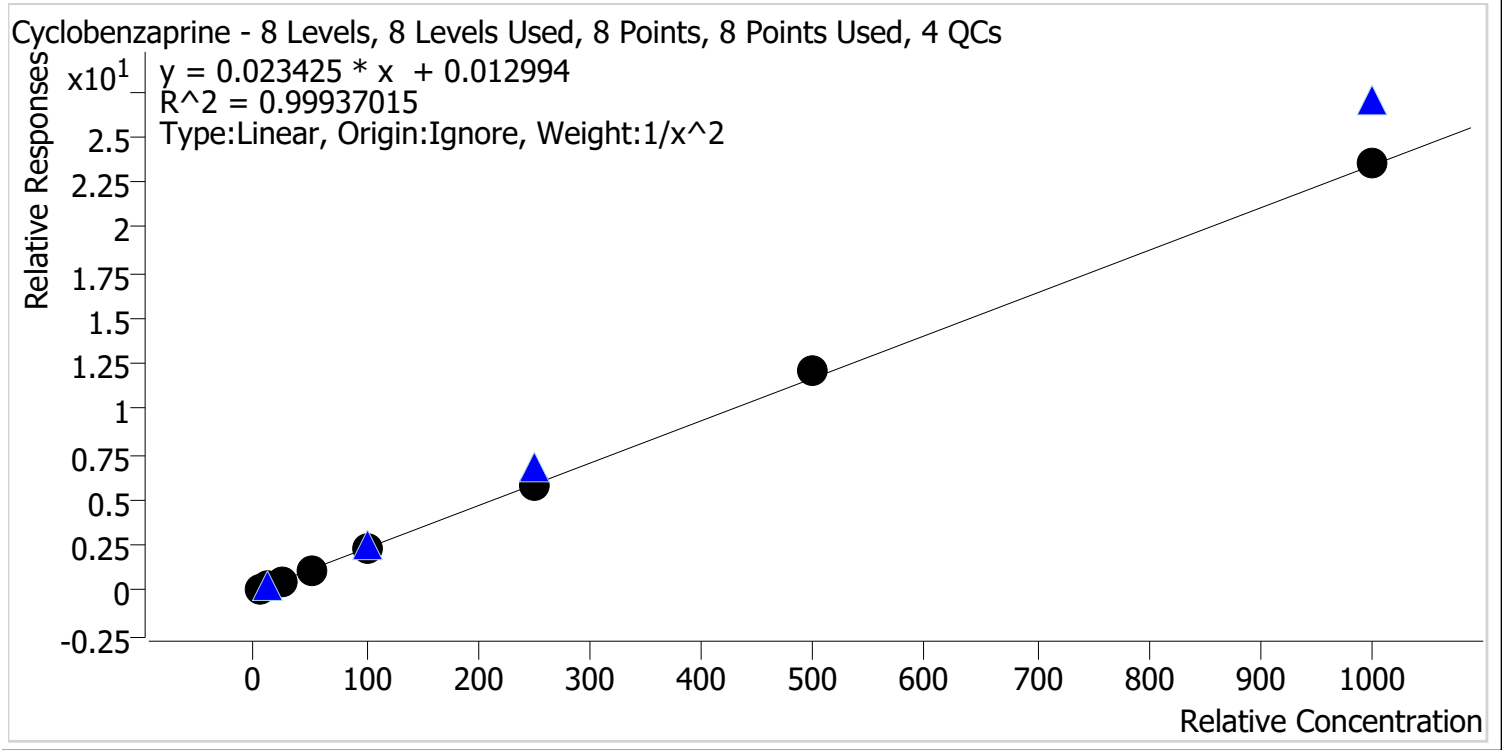


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.3
p1 Cal 2-10ng	2	✓	10.0	10.6	106.4
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.6
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	107.4	107.4
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	472.7	94.5
p1 Cal 8-1000ng	8	✓	1000.0	826.8	82.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

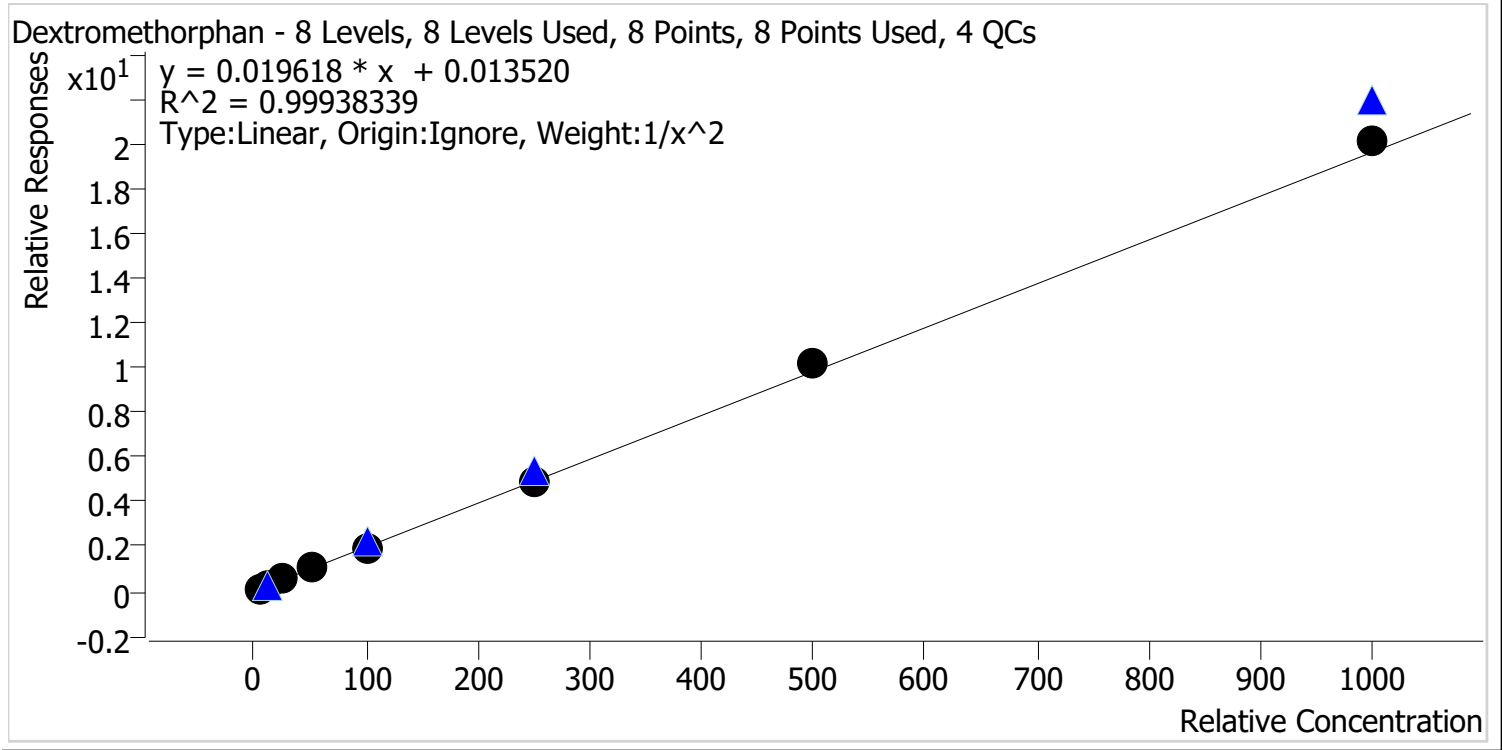


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.3	98.7
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	515.0	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1009.2	100.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

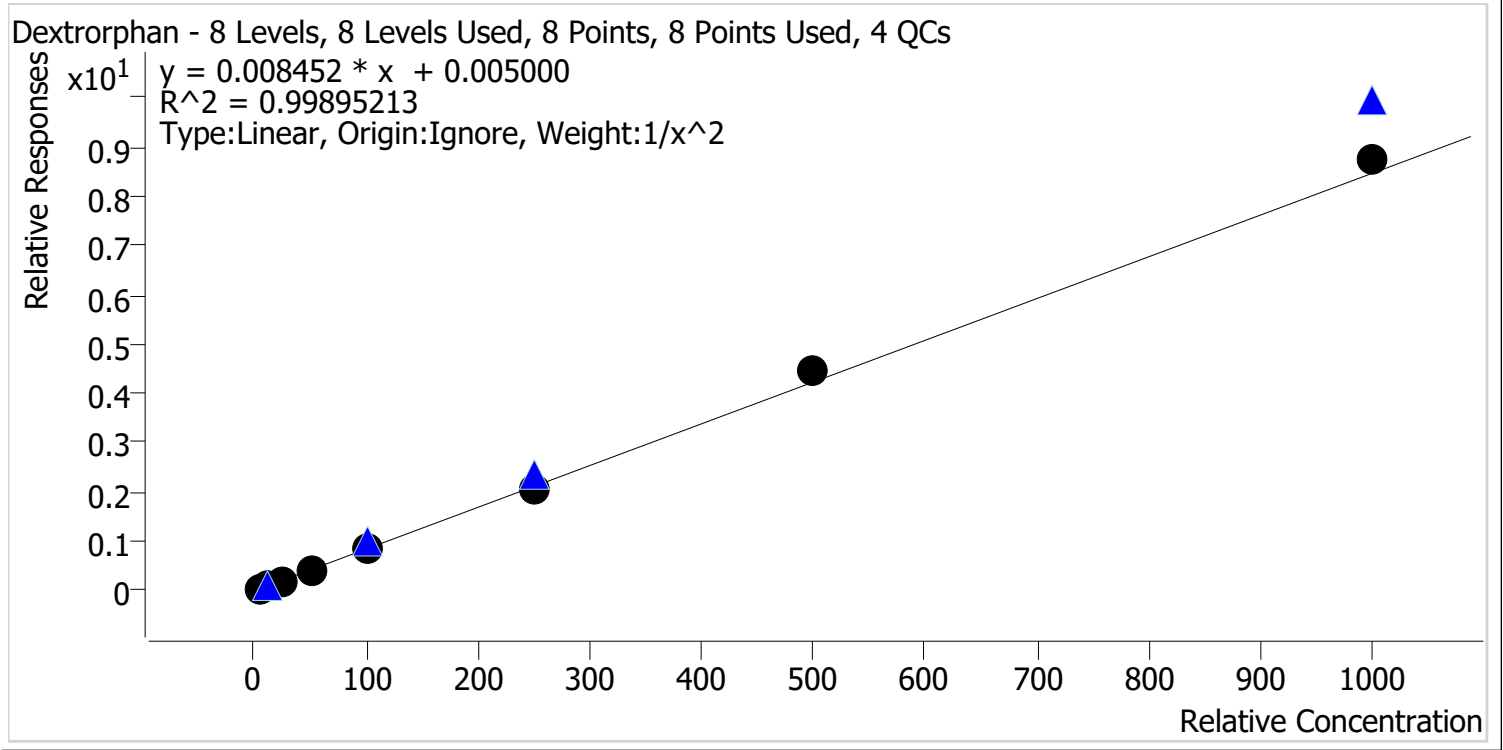


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	244.6	97.8
p1 Cal 7-500ng	7	✓	500.0	516.1	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1024.8	102.5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

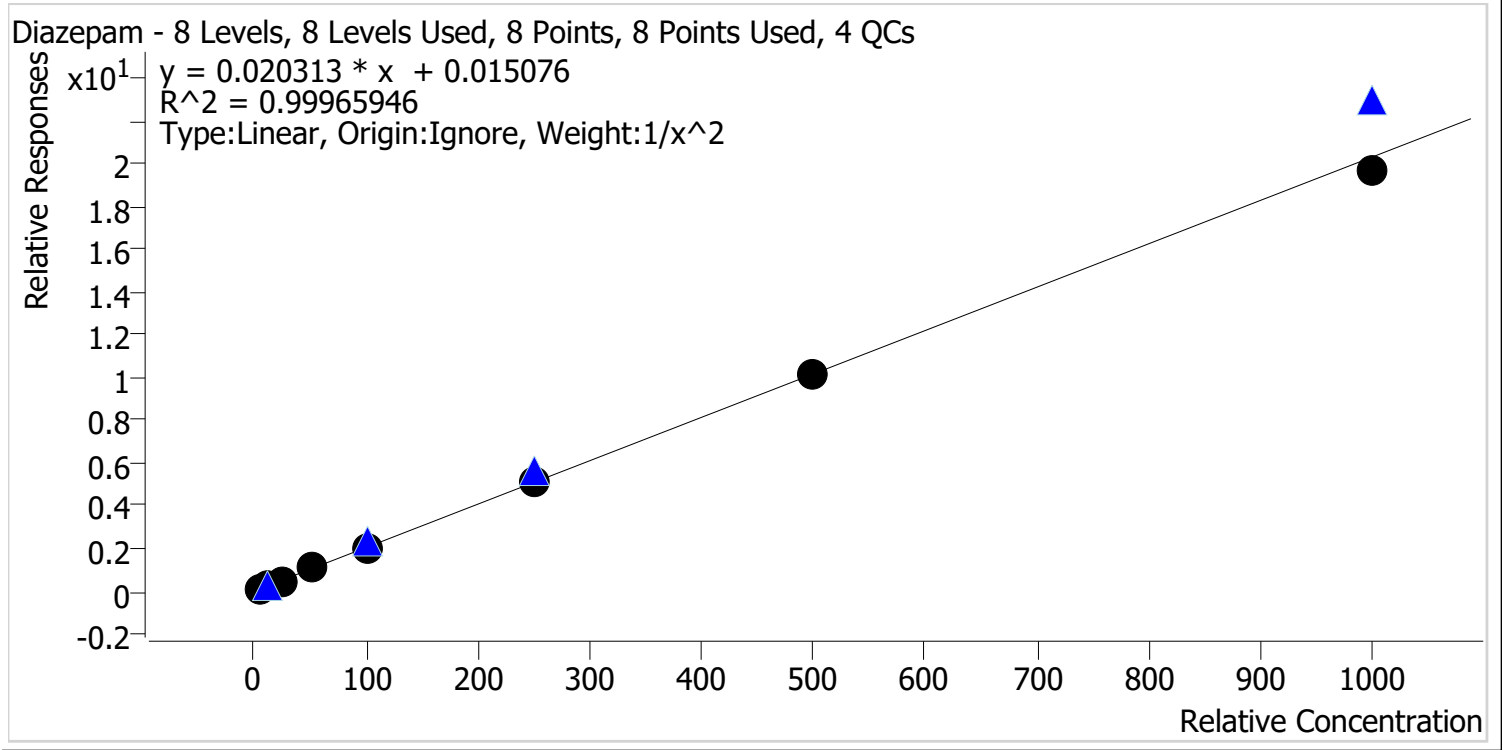


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	48.5	97.1
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	523.6	104.7
p1 Cal 8-1000ng	8	✓	1000.0	1033.2	103.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datator  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	969.8	97.0



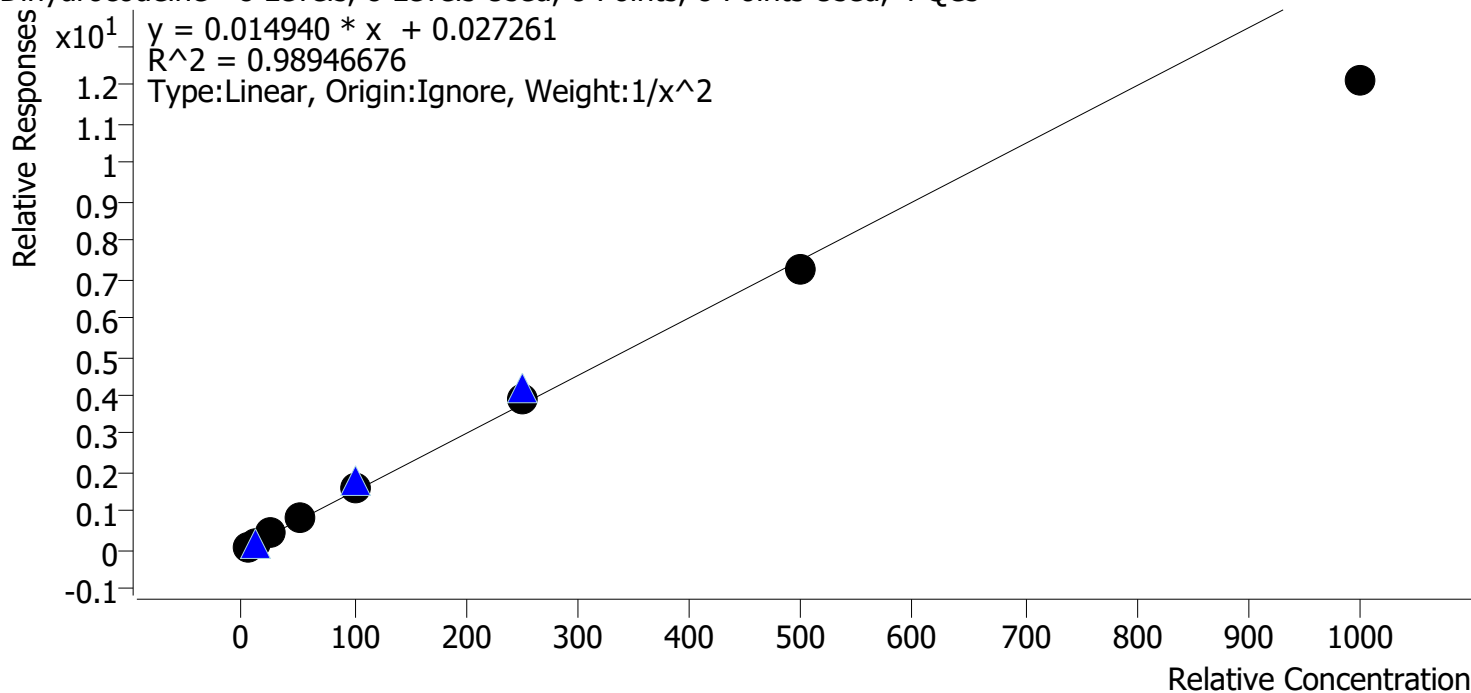
2



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2-10ng	2	✓	10.0	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.9
p1 Cal 4-50ng	4	✓	50.0	52.7	105.5
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	482.8	96.6
p1 Cal 8-1000ng	8	✓	1000.0	809.3	80.9

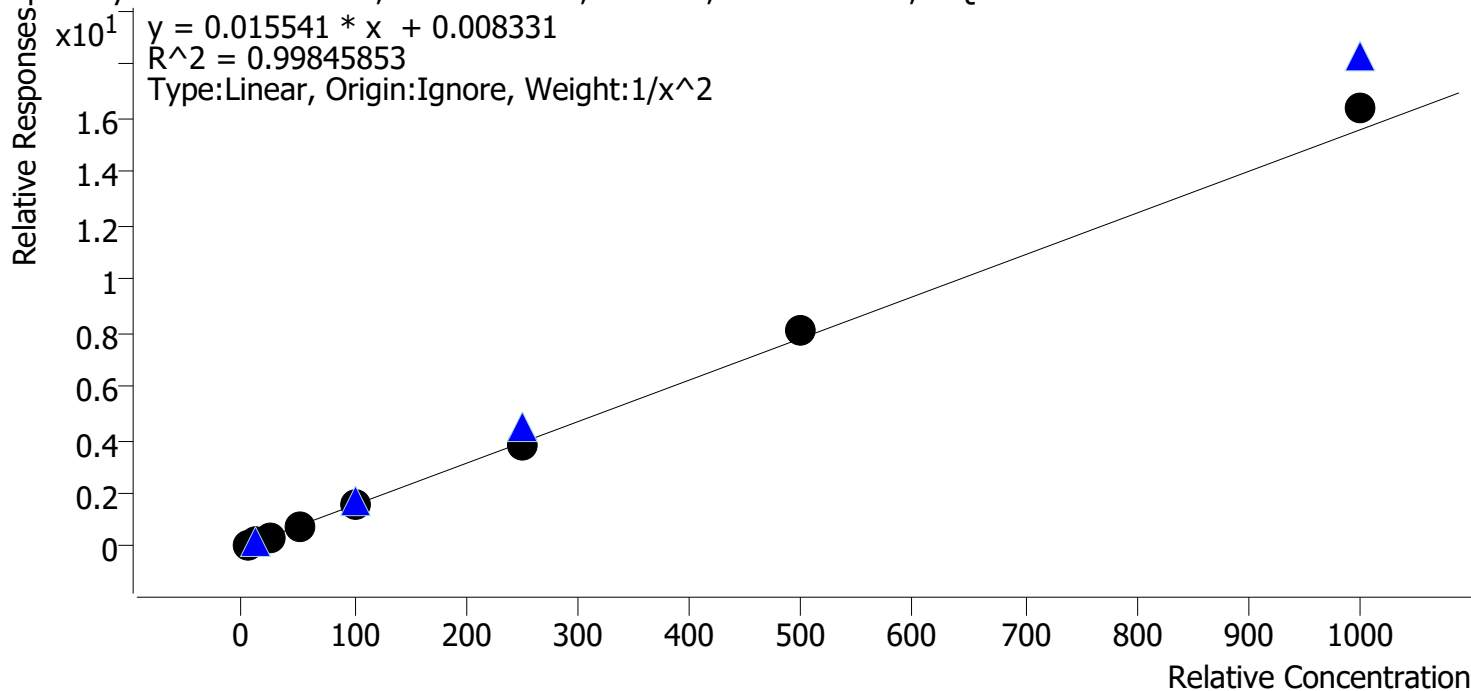
cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



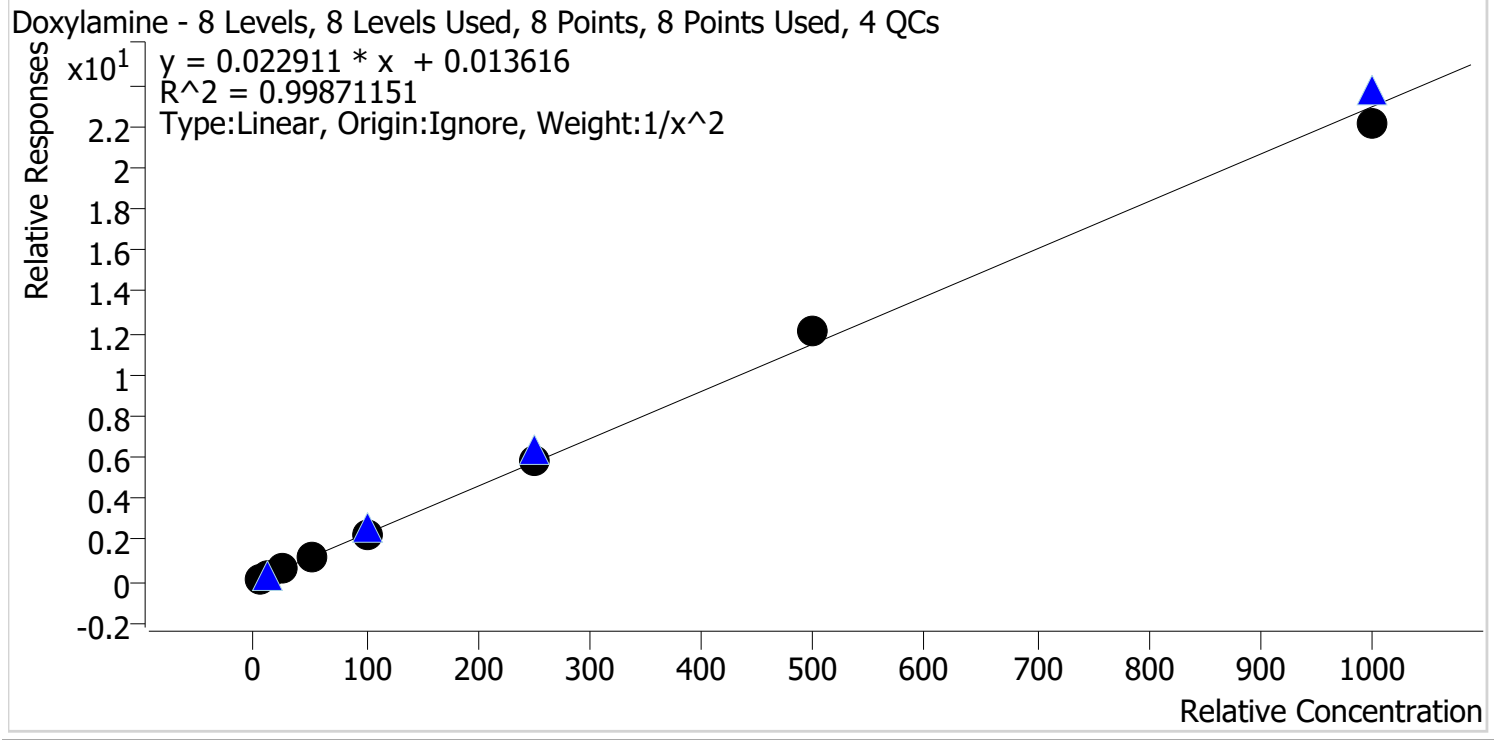
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	523.4	104.7
p1 Cal 8-1000ng	8	✓	1000.0	1049.0	104.9

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



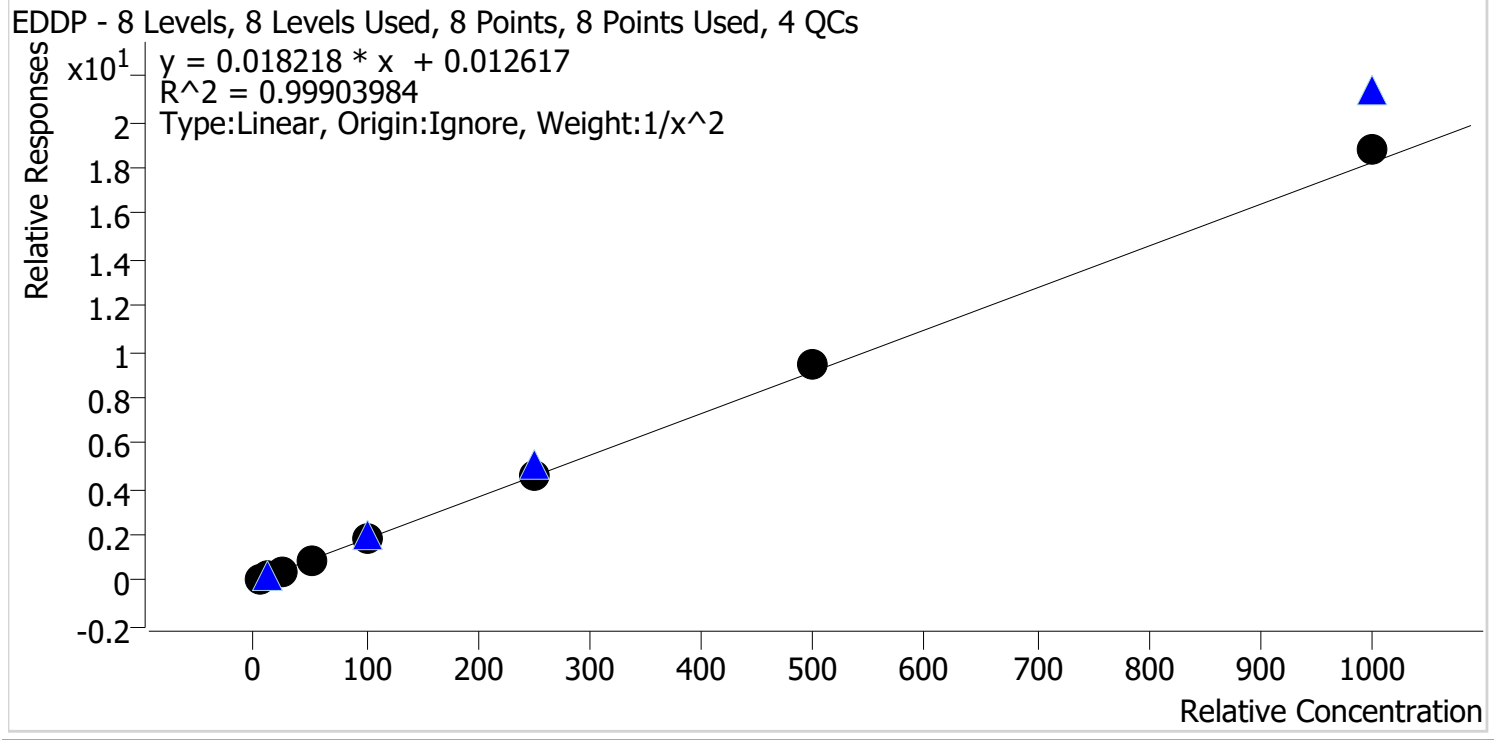
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	528.0	105.6
p1 Cal 8-1000ng	8	✓	1000.0	963.6	96.4

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	48.1	96.1
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	518.1	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1034.1	103.4

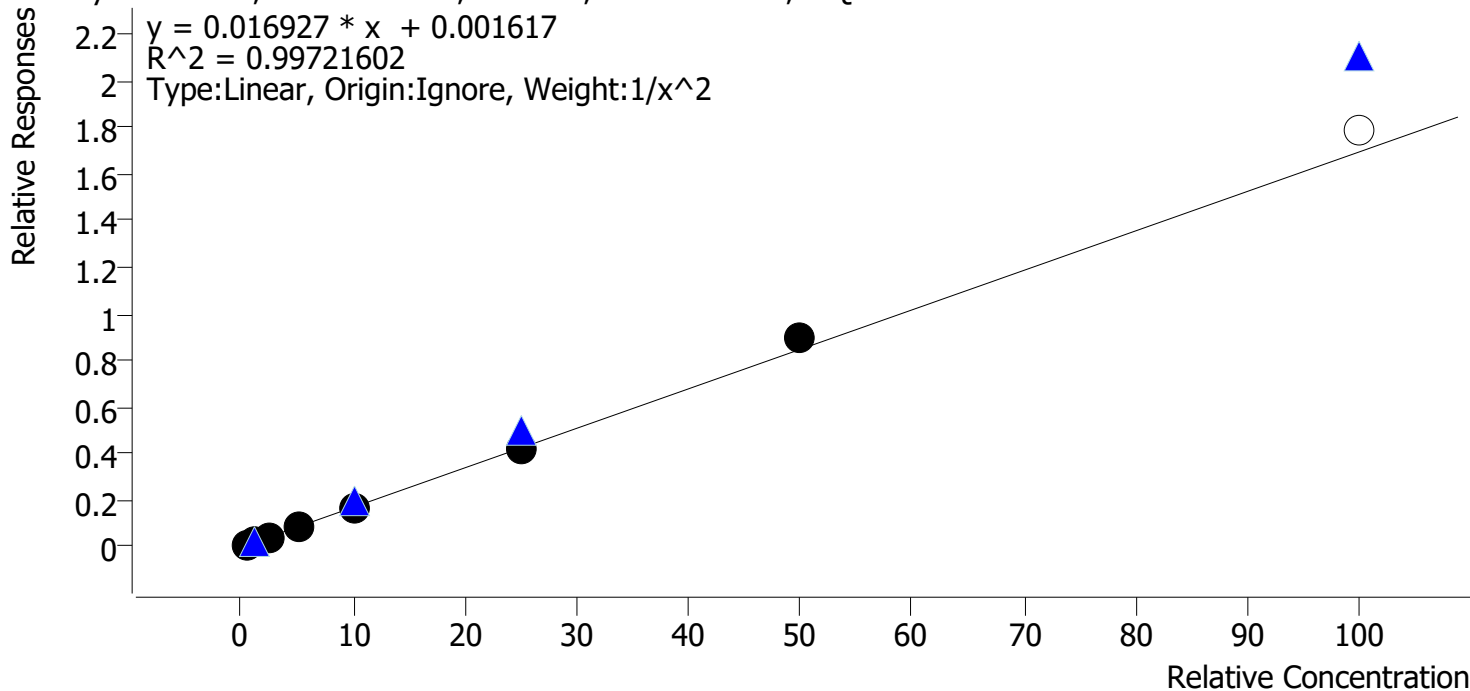
g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.9
p1 Cal 2-10ng	2	✓	1.0	0.9	94.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.1
p1 Cal 4-50ng	4	✓	5.0	5.1	101.5
p1 Cal 5-100ng	5	✓	10.0	10.2	101.7
p1 Cal 6-250ng	6	✓	25.0	24.9	99.5
p1 Cal 7-500ng	7	✓	50.0	52.6	105.2
p1 Cal 8-1000ng	8	x	100.0	105.7	105.7

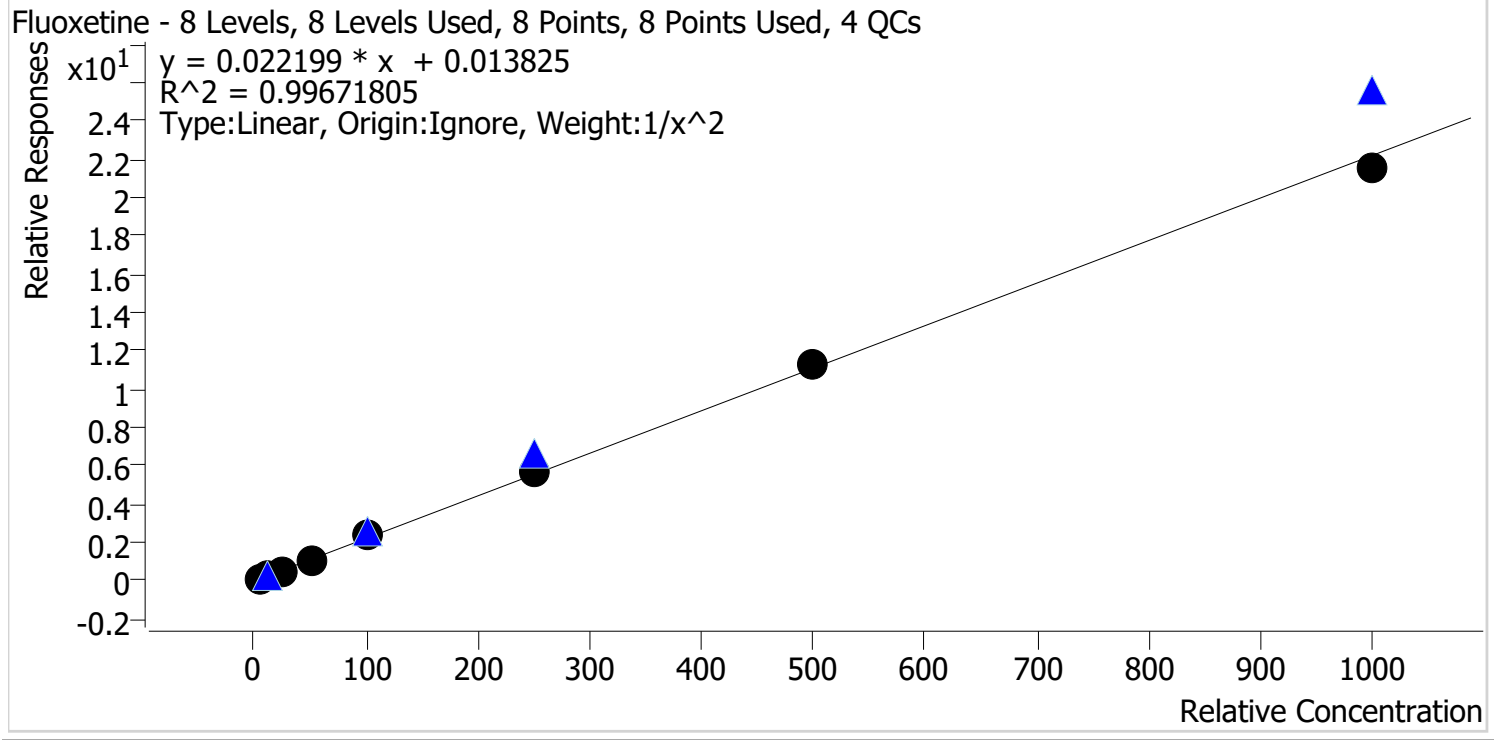
Calibrator 8 dropped due to QC not meeting accuracy requirement.

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



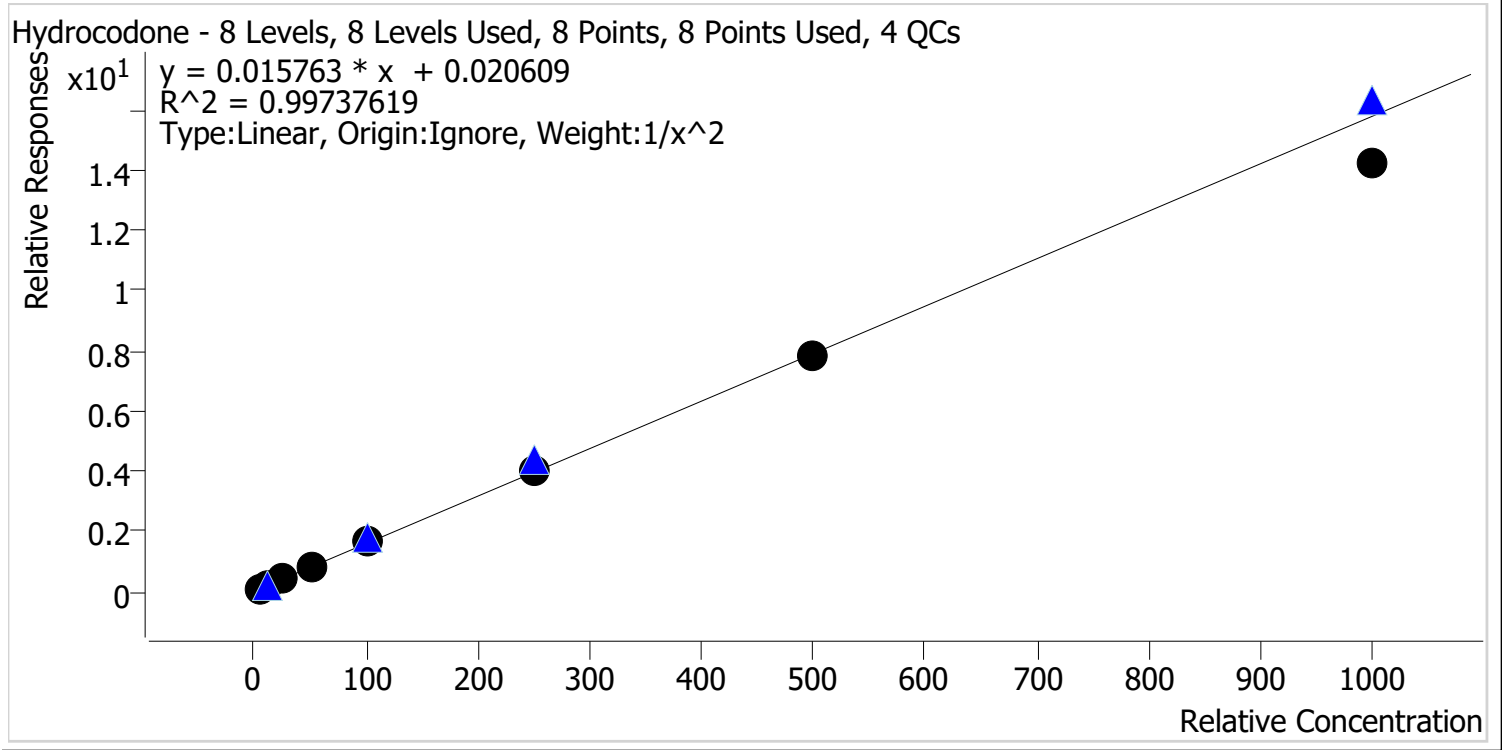
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	109.2	109.2
p1 Cal 6-250ng	6	✓	250.0	252.1	100.9
p1 Cal 7-500ng	7	✓	500.0	506.6	101.3
p1 Cal 8-1000ng	8	✓	1000.0	971.4	97.1

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



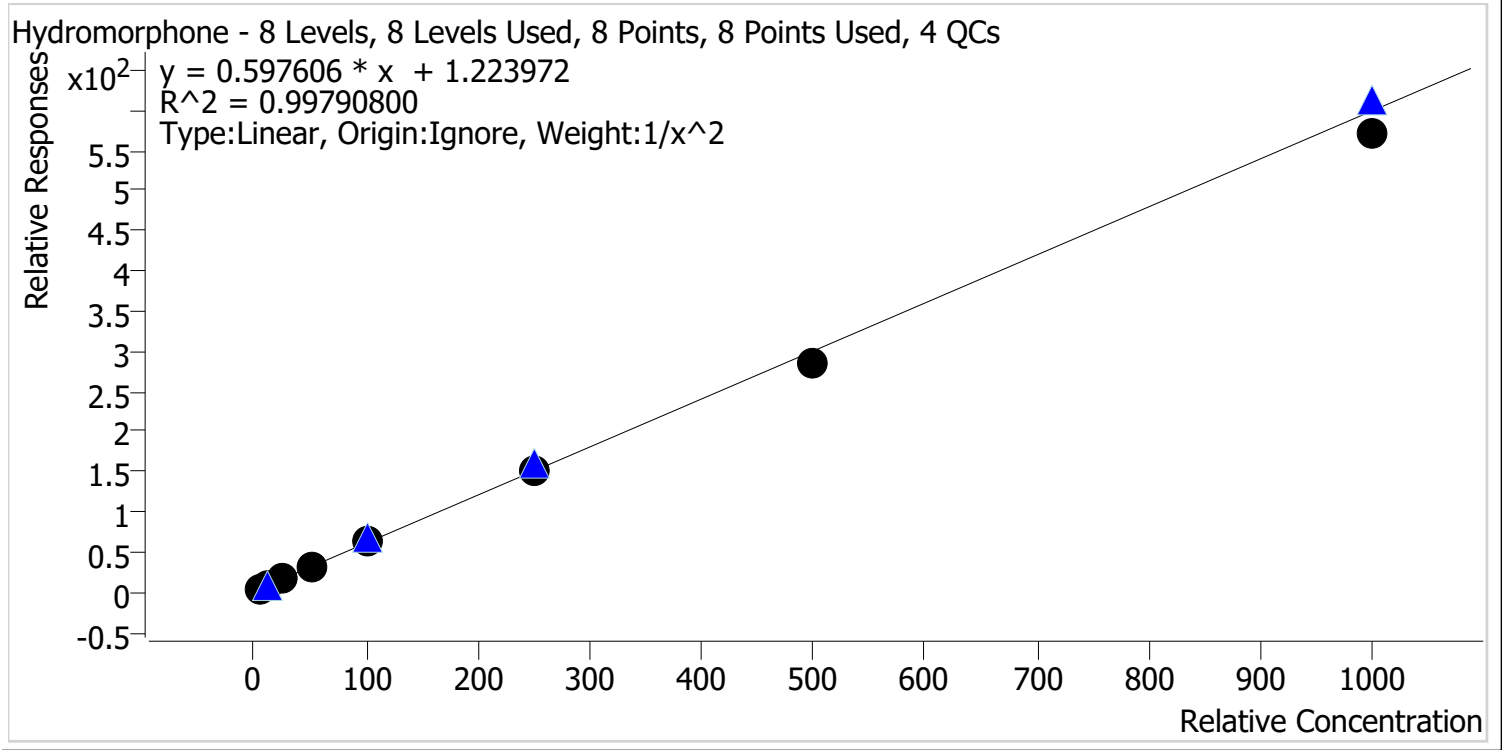
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	900.7	90.1

eg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**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	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	248.9	99.5
p1 Cal 7-500ng	7	✓	500.0	476.2	95.2
p1 Cal 8-1000ng	8	✓	1000.0	951.9	95.2

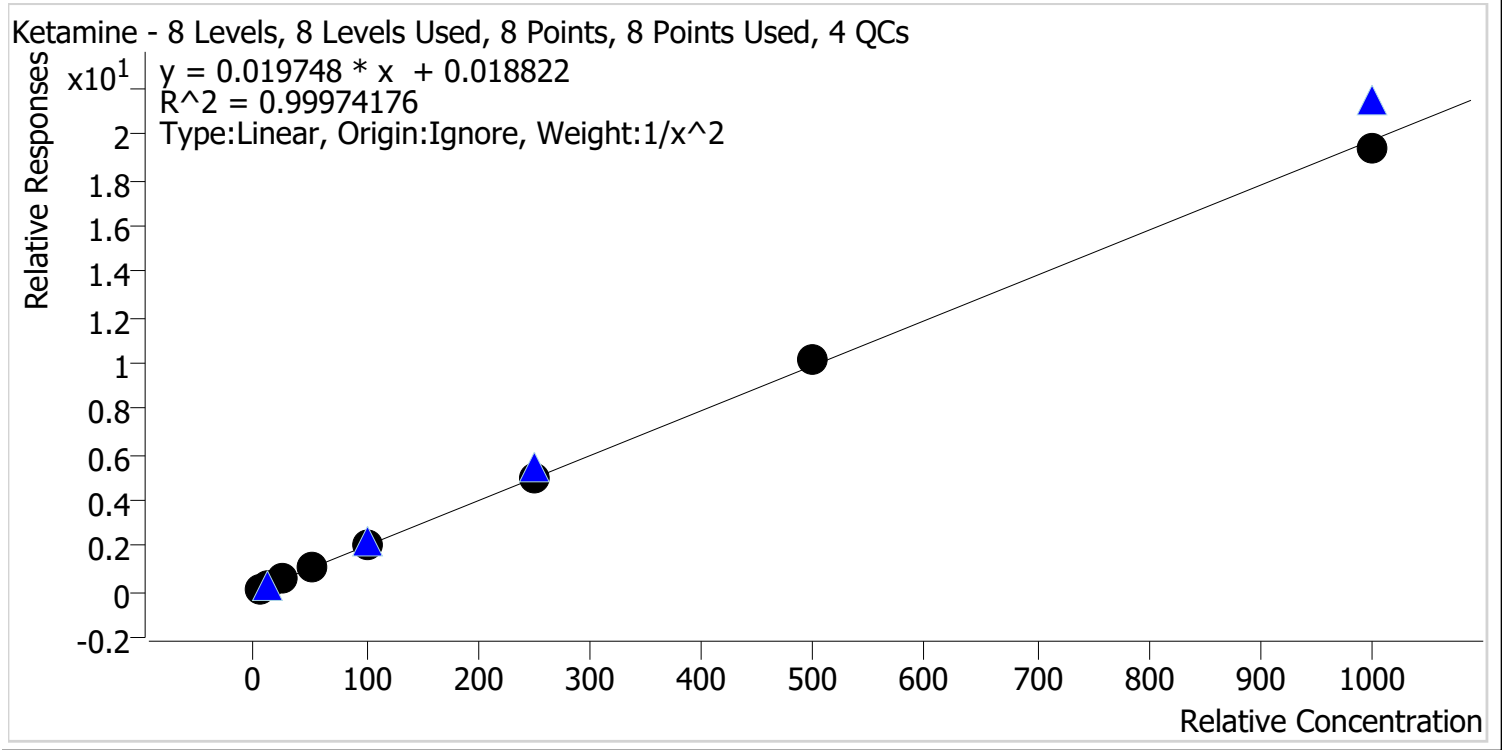


cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



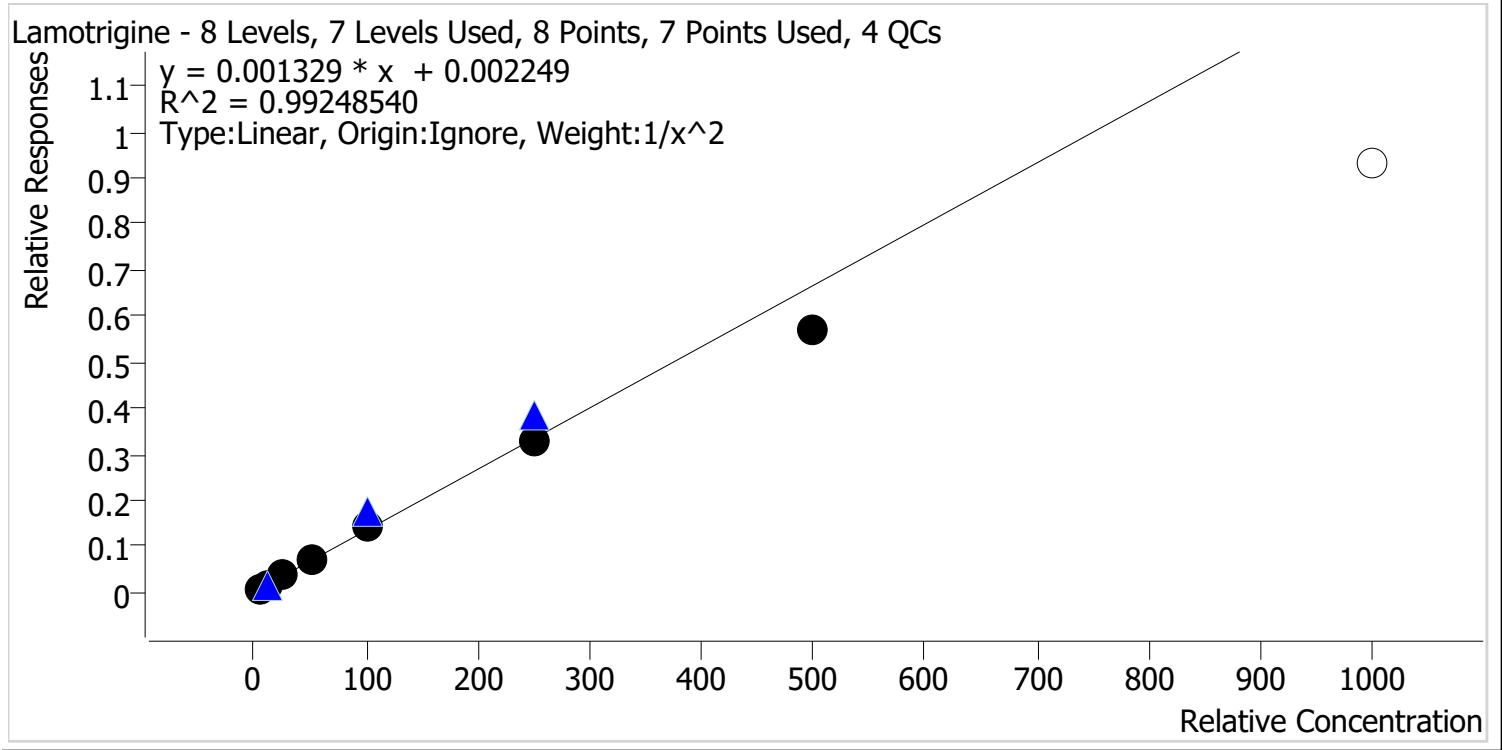
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	49.8	99.5
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	513.4	102.7
p1 Cal 8-1000ng	8	✓	1000.0	978.5	97.9

CS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	53.0	106.1
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	244.2	97.7
p1 Cal 7-500ng	7	✓	500.0	429.3	85.9
p1 Cal 8-1000ng	8	✗	1000.0	698.0	69.8

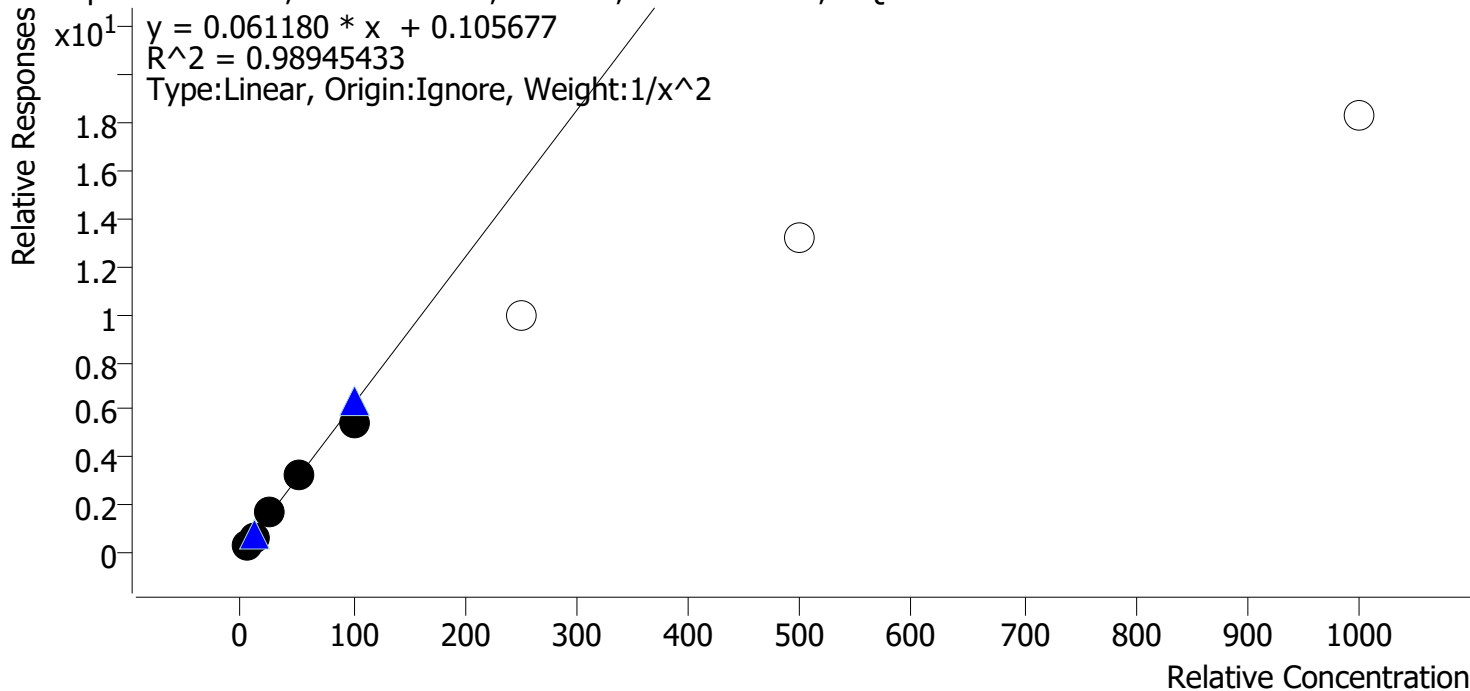
Calibrator 8 dropped due to not meeting accuracy requirement.



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

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



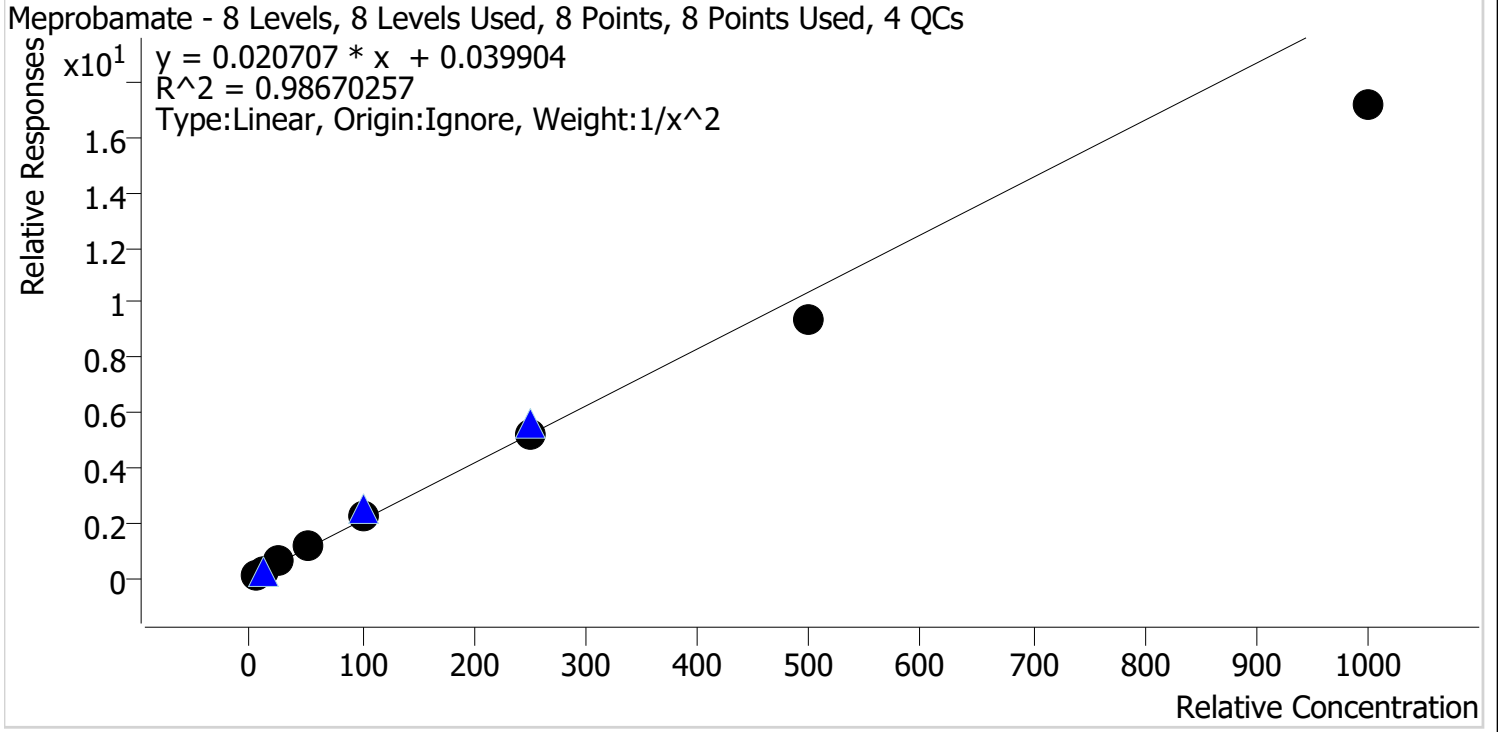
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.6	106.3
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	88.0	88.0
p1 Cal 6-250ng	6	✗	250.0	161.3	64.5
p1 Cal 7-500ng	7	✗	500.0	212.7	42.5
p1 Cal 8-1000ng	8	✗	1000.0	295.7	29.6

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\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



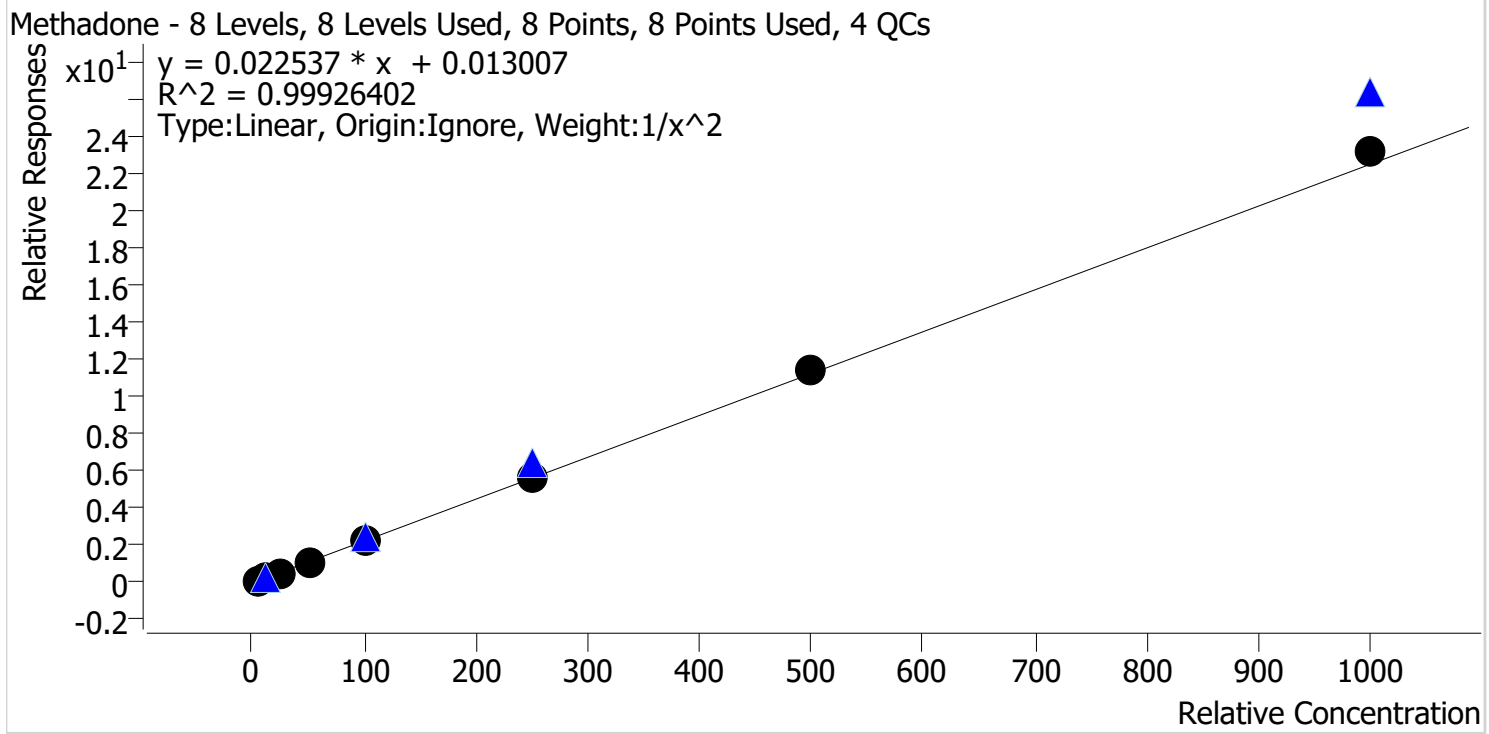
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.7
p1 Cal 2-10ng	2	✓	10.0	10.7	107.1
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.4
p1 Cal 4-50ng	4	✓	50.0	55.3	110.5
p1 Cal 5-100ng	5	✓	100.0	108.3	108.3
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	454.4	90.9
p1 Cal 8-1000ng	8	✓	1000.0	826.0	82.6

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

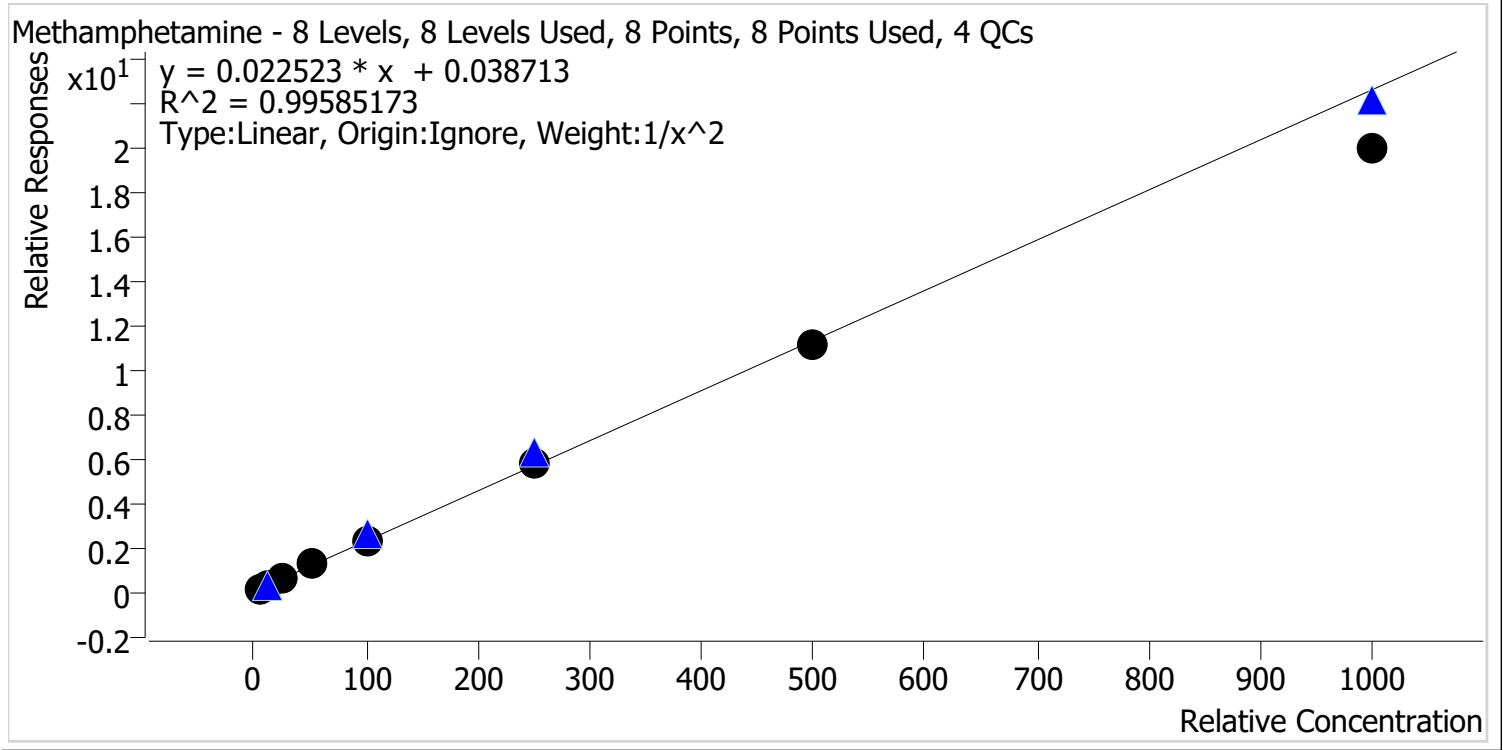


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	509.5	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1031.7	103.2



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



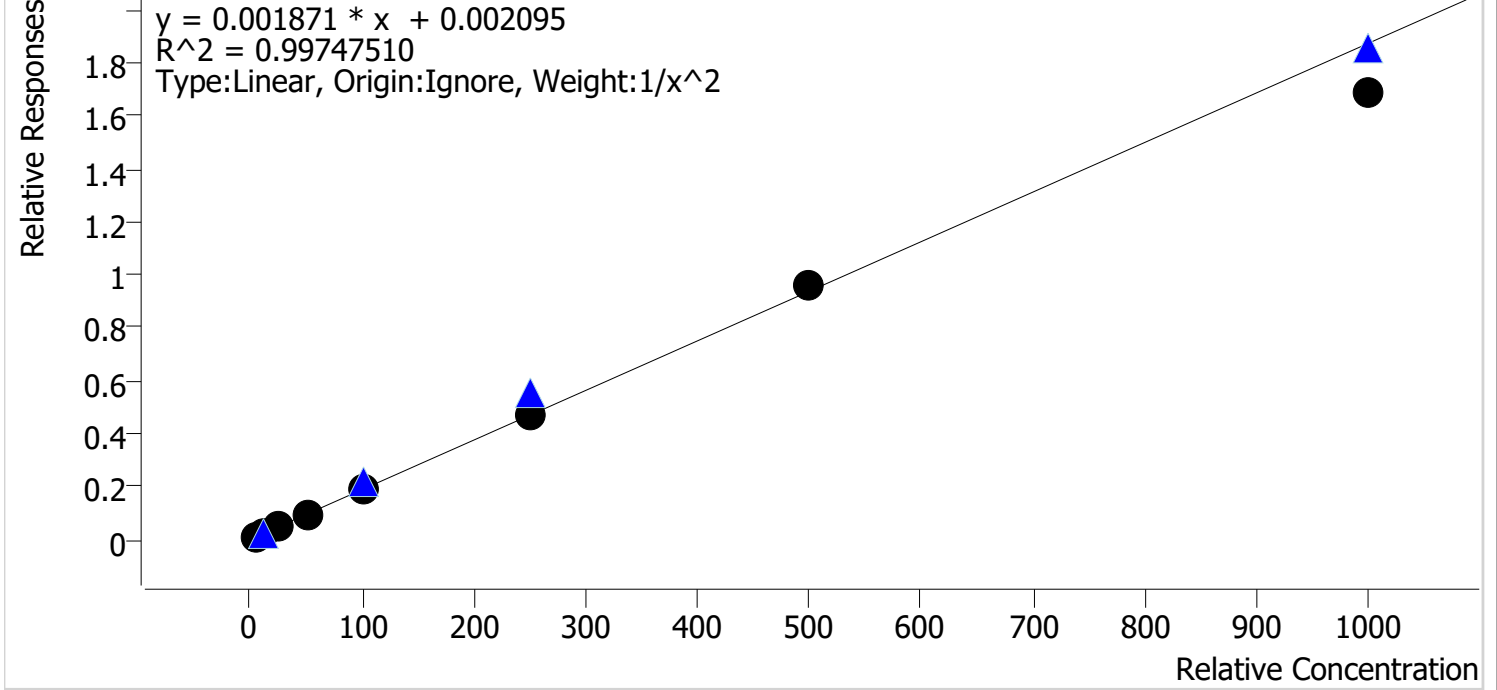
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	490.5	98.1
p1 Cal 8-1000ng	8	✓	1000.0	884.2	88.4



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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



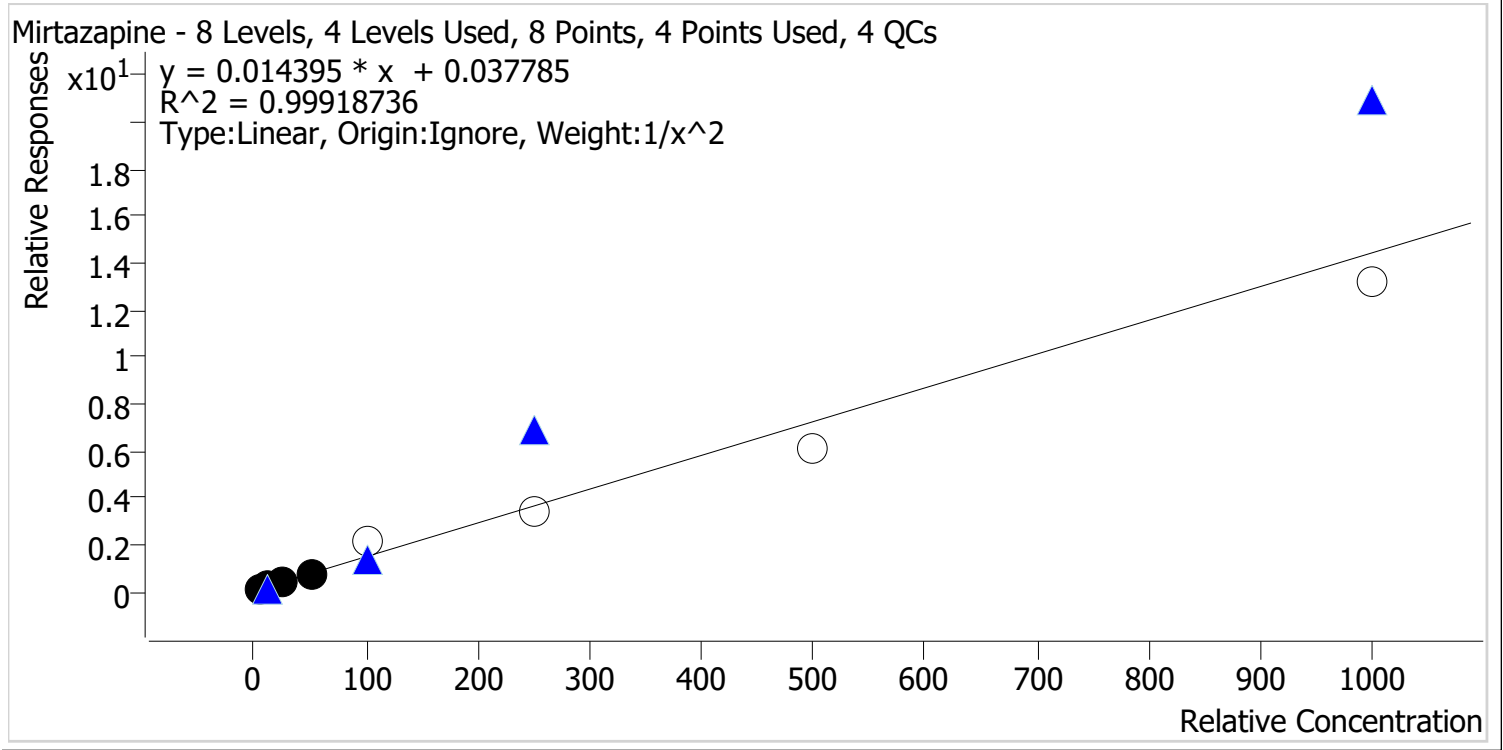
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	510.4	102.1
p1 Cal 8-1000ng	8	✓	1000.0	902.4	90.2

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	x	100.0	144.7	144.7
p1 Cal 6-250ng	6	x	250.0	231.9	92.8
p1 Cal 7-500ng	7	x	500.0	422.4	84.5
p1 Cal 8-1000ng	8	x	1000.0	917.4	91.7

Not evaluated due to a middle calibrator (calibrator 5) not meeting accuracy requirement.

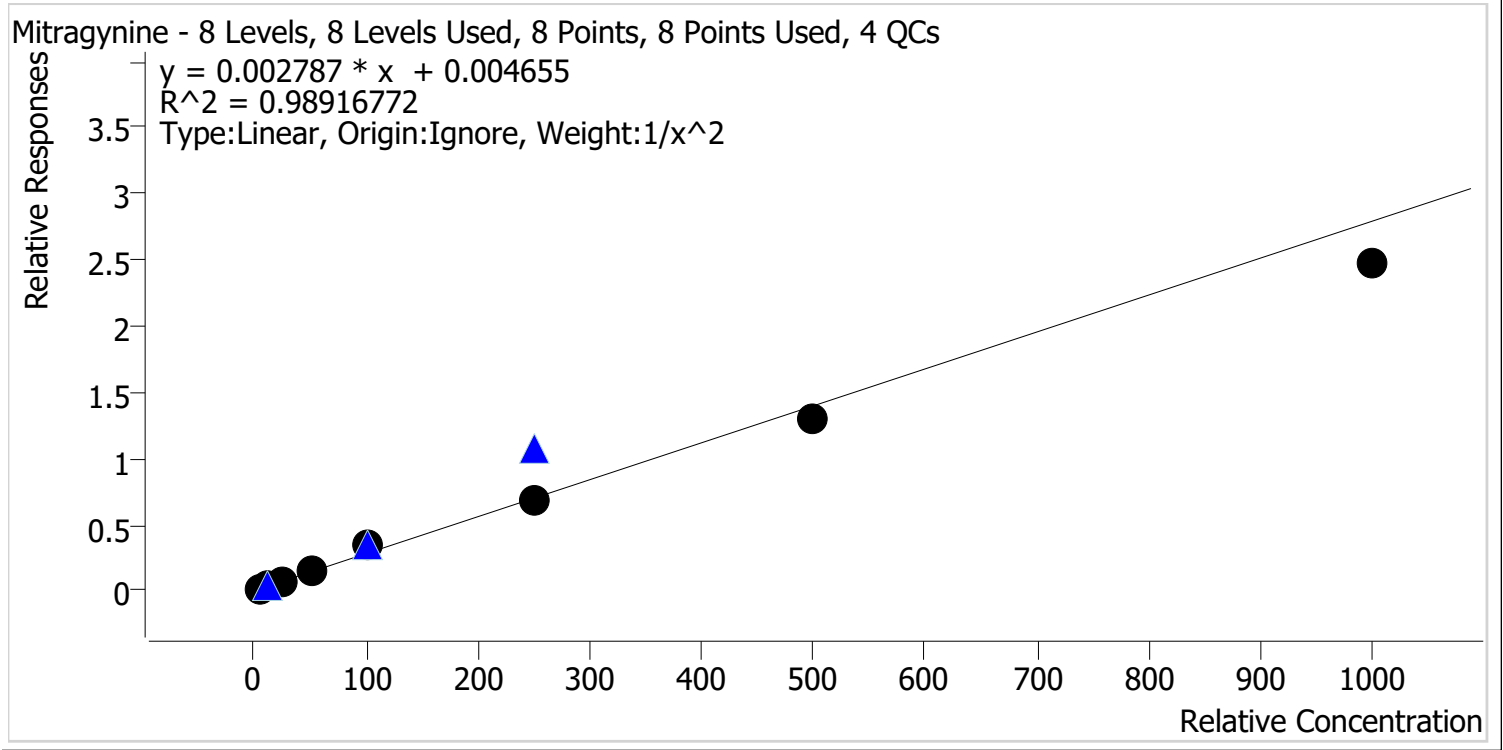


cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9

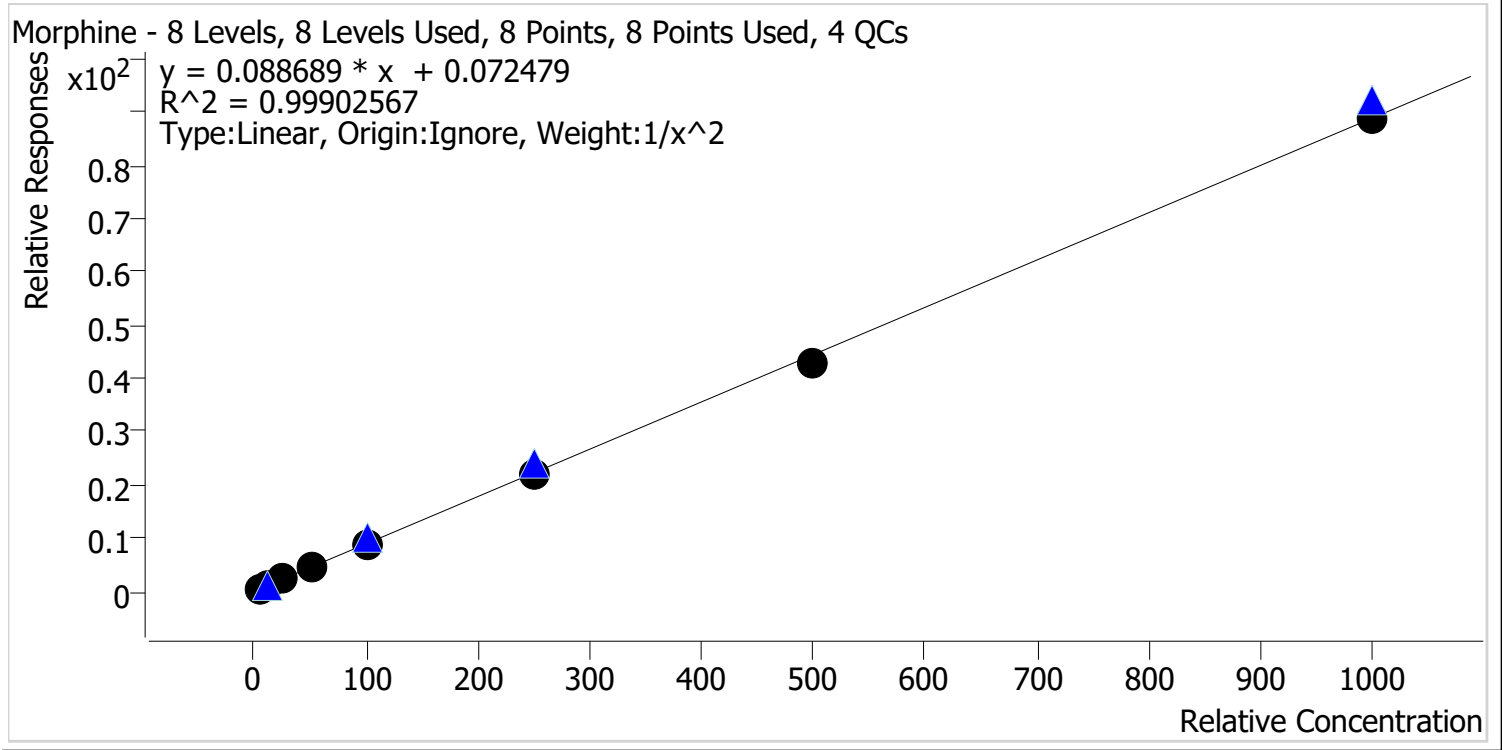


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	119.3	119.3
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	465.8	93.2
p1 Cal 8-1000ng	8	✓	1000.0	887.1	88.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



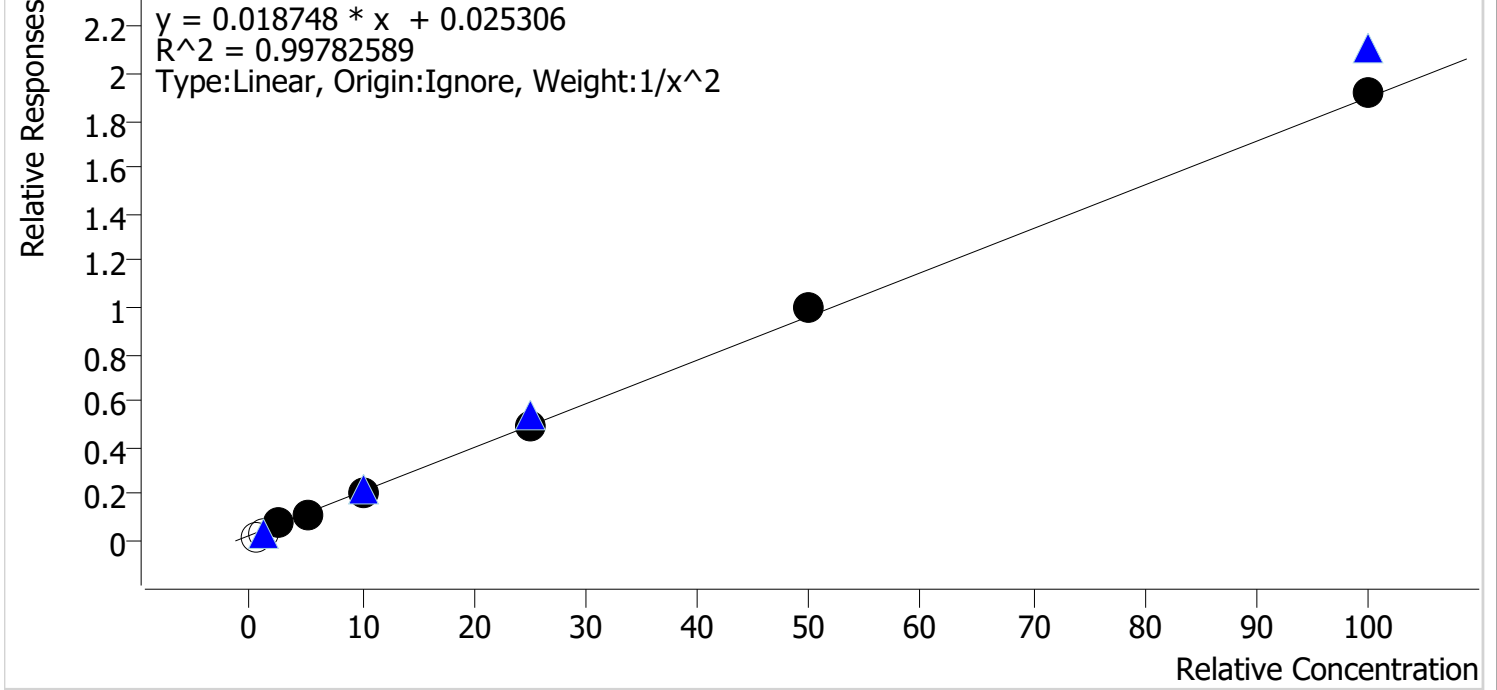
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	484.5	96.9
p1 Cal 8-1000ng	8	✓	1000.0	995.8	99.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



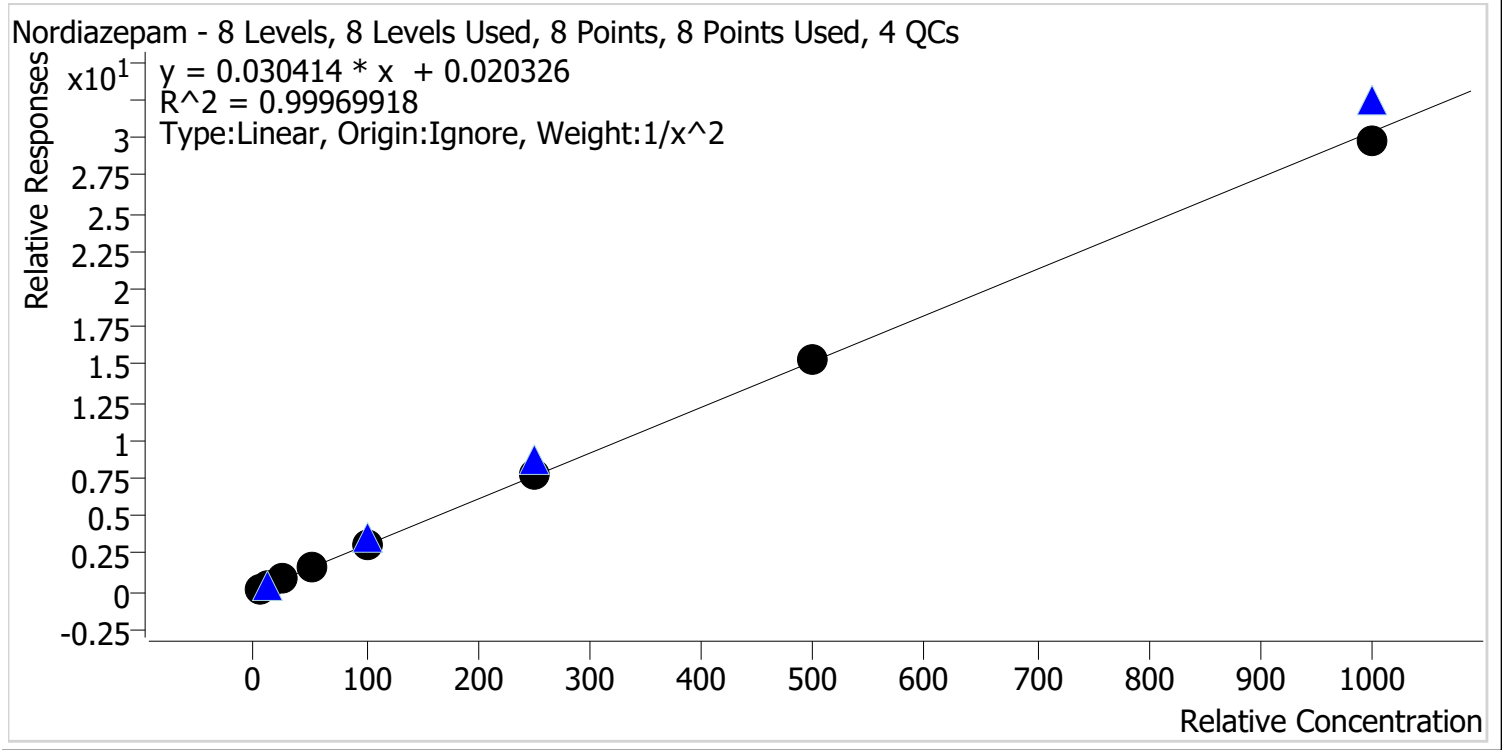
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.0	0.0
p1 Cal 2-10ng	2	x	1.0	0.7	74.0
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.3
p1 Cal 4-50ng	4	✓	5.0	4.7	94.5
p1 Cal 5-100ng	5	✓	10.0	9.7	96.9
p1 Cal 6-250ng	6	✓	25.0	25.0	99.9
p1 Cal 7-500ng	7	✓	50.0	52.0	104.1
p1 Cal 8-1000ng	8	✓	100.0	101.3	101.3

Calibrators 1 and 2 dropped due to not meeting accuracy requirement.



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

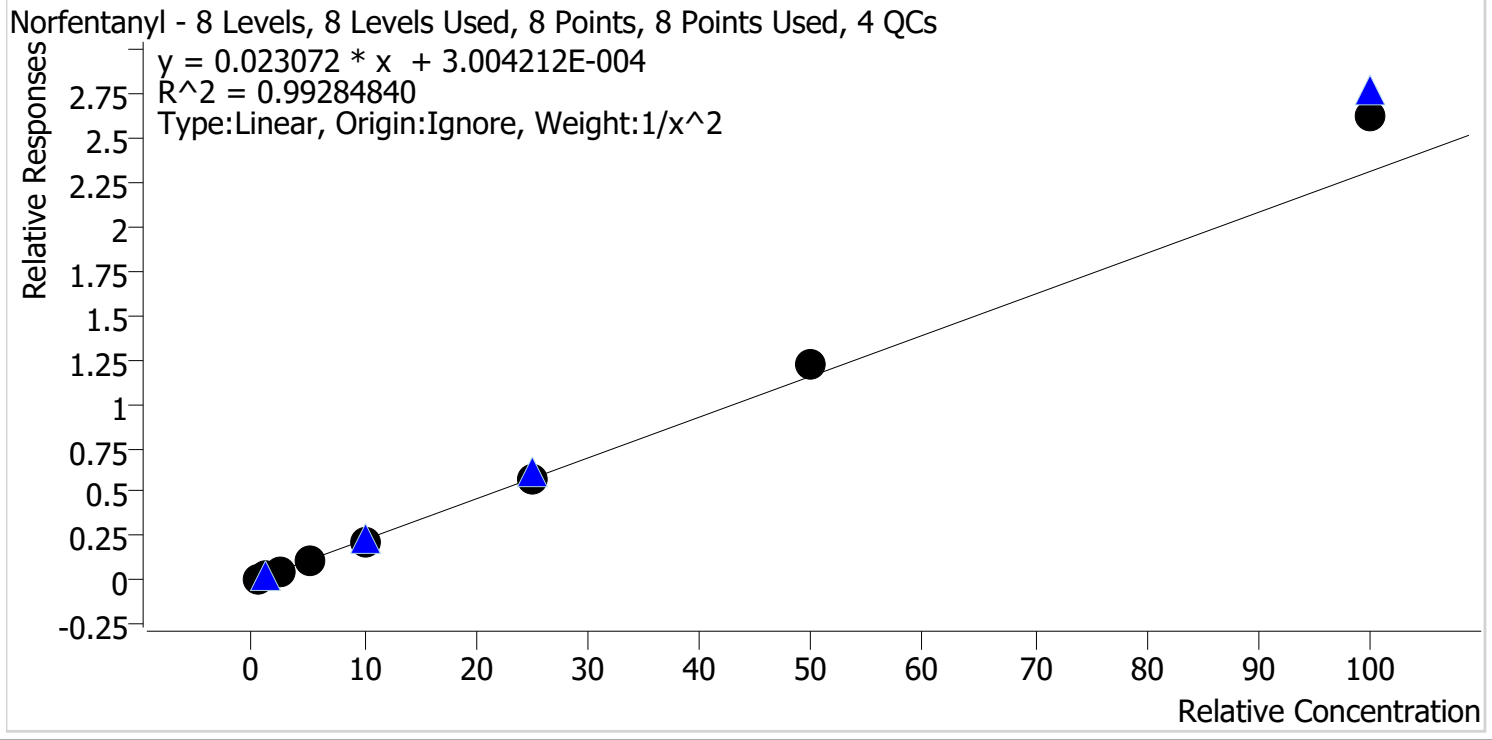
**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	977.5	97.7

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

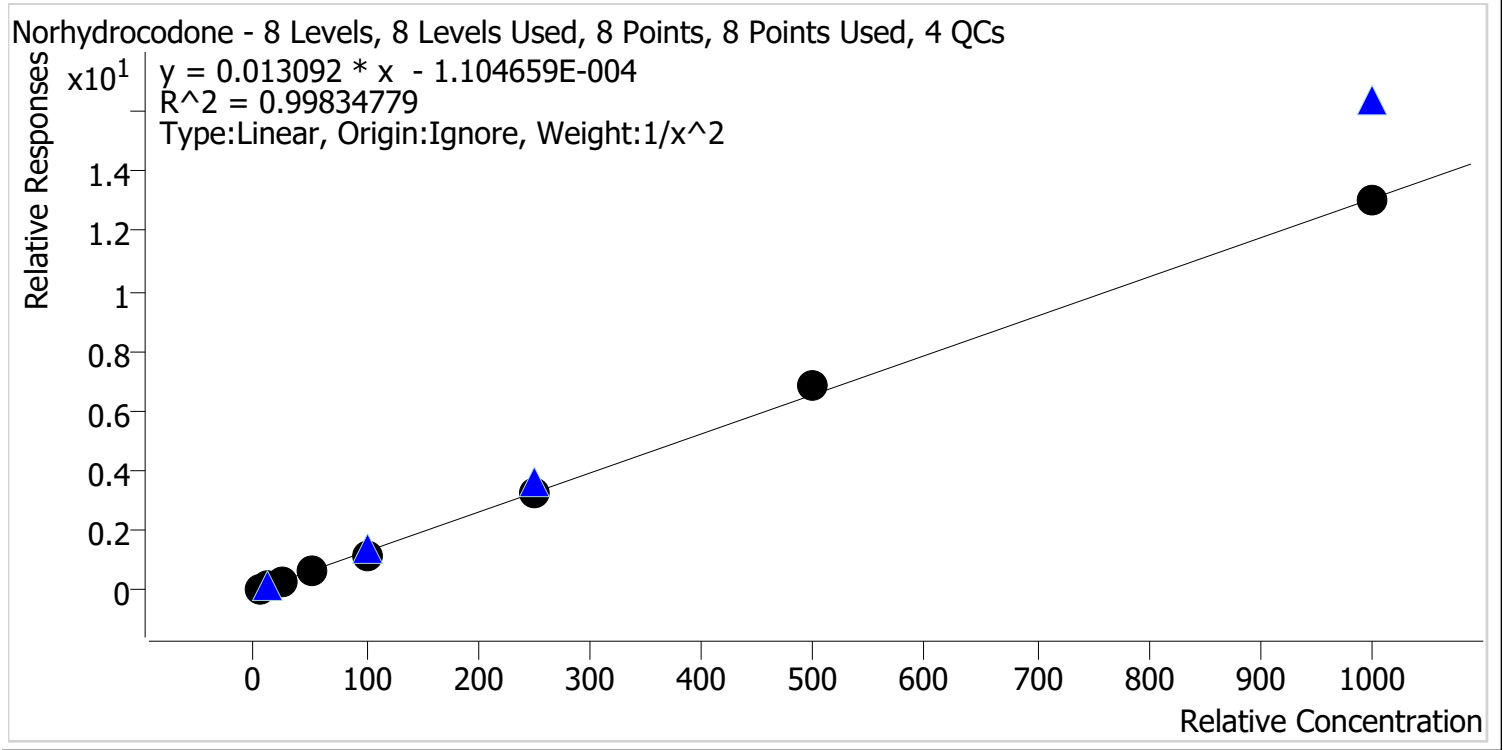


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.8
p1 Cal 2-10ng	2	✓	1.0	1.0	97.1
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.5
p1 Cal 4-50ng	4	✓	5.0	4.7	93.5
p1 Cal 5-100ng	5	✓	10.0	9.4	94.4
p1 Cal 6-250ng	6	✓	25.0	24.7	98.7
p1 Cal 7-500ng	7	✓	50.0	53.2	106.4
p1 Cal 8-1000ng	8	✓	100.0	113.6	113.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



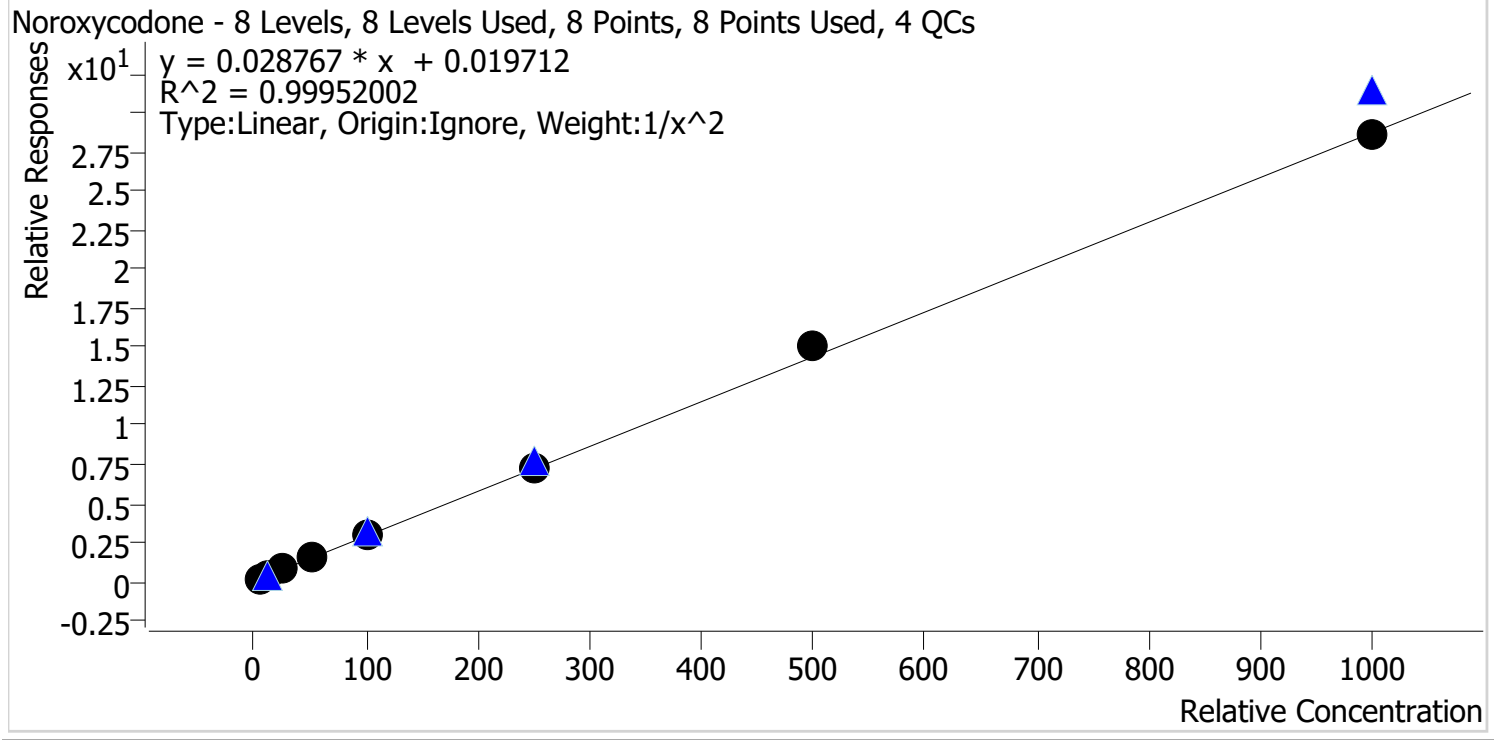
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	93.2	93.2
p1 Cal 6-250ng	6	✓	250.0	253.9	101.5
p1 Cal 7-500ng	7	✓	500.0	524.2	104.8
p1 Cal 8-1000ng	8	✓	1000.0	998.6	99.9

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

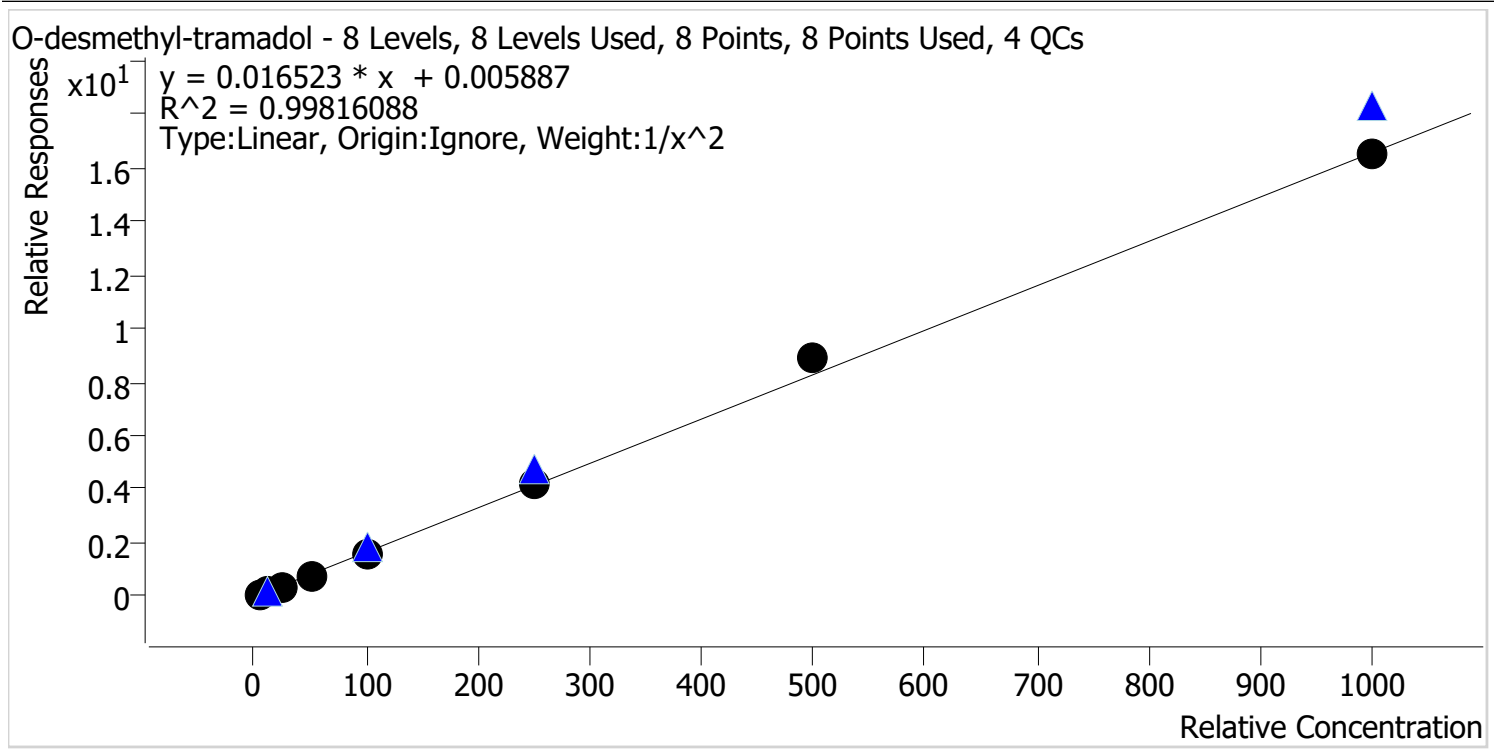


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	520.9	104.2
p1 Cal 8-1000ng	8	✓	1000.0	996.4	99.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.1	96.3
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	255.9	102.3
p1 Cal 7-500ng	7	✓	500.0	535.7	107.1
p1 Cal 8-1000ng	8	✓	1000.0	997.5	99.7

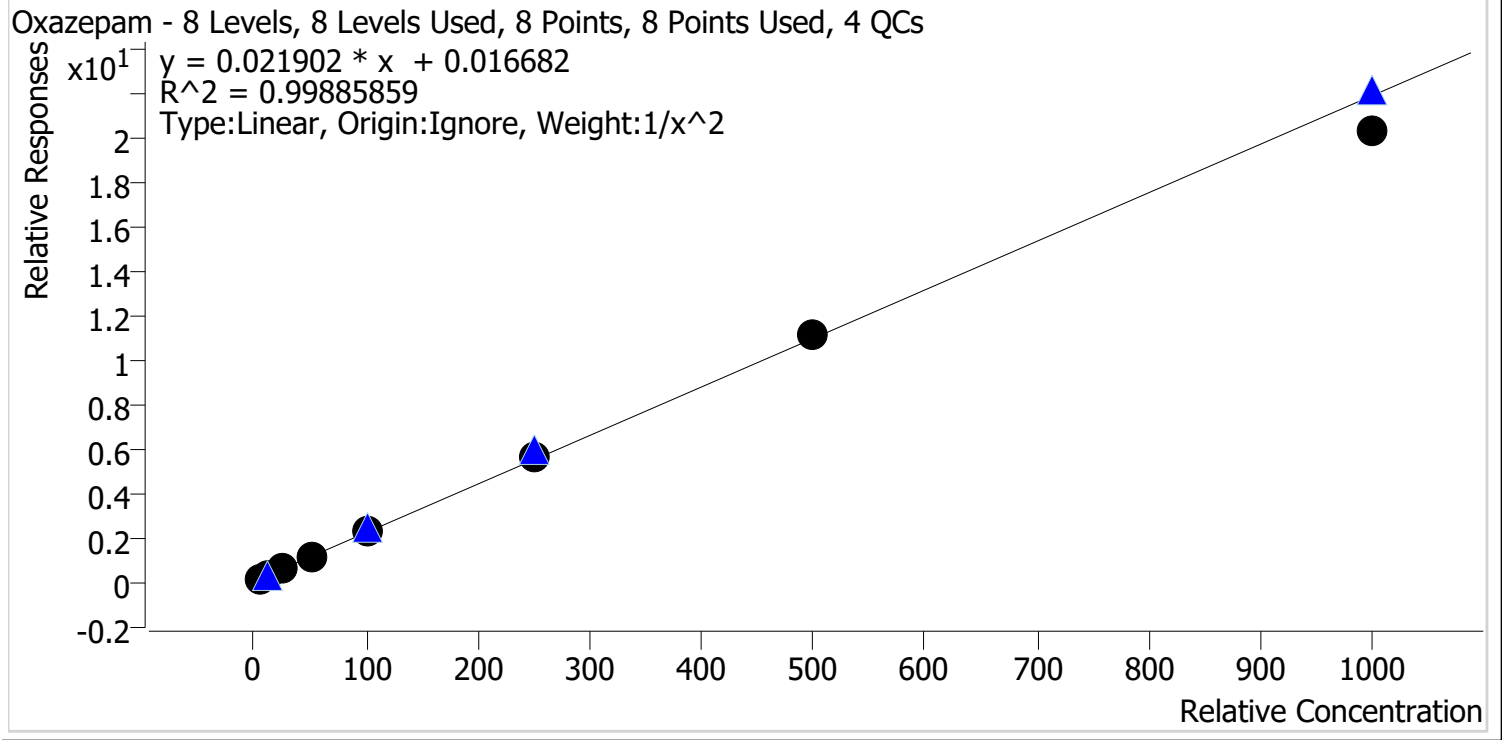


CS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

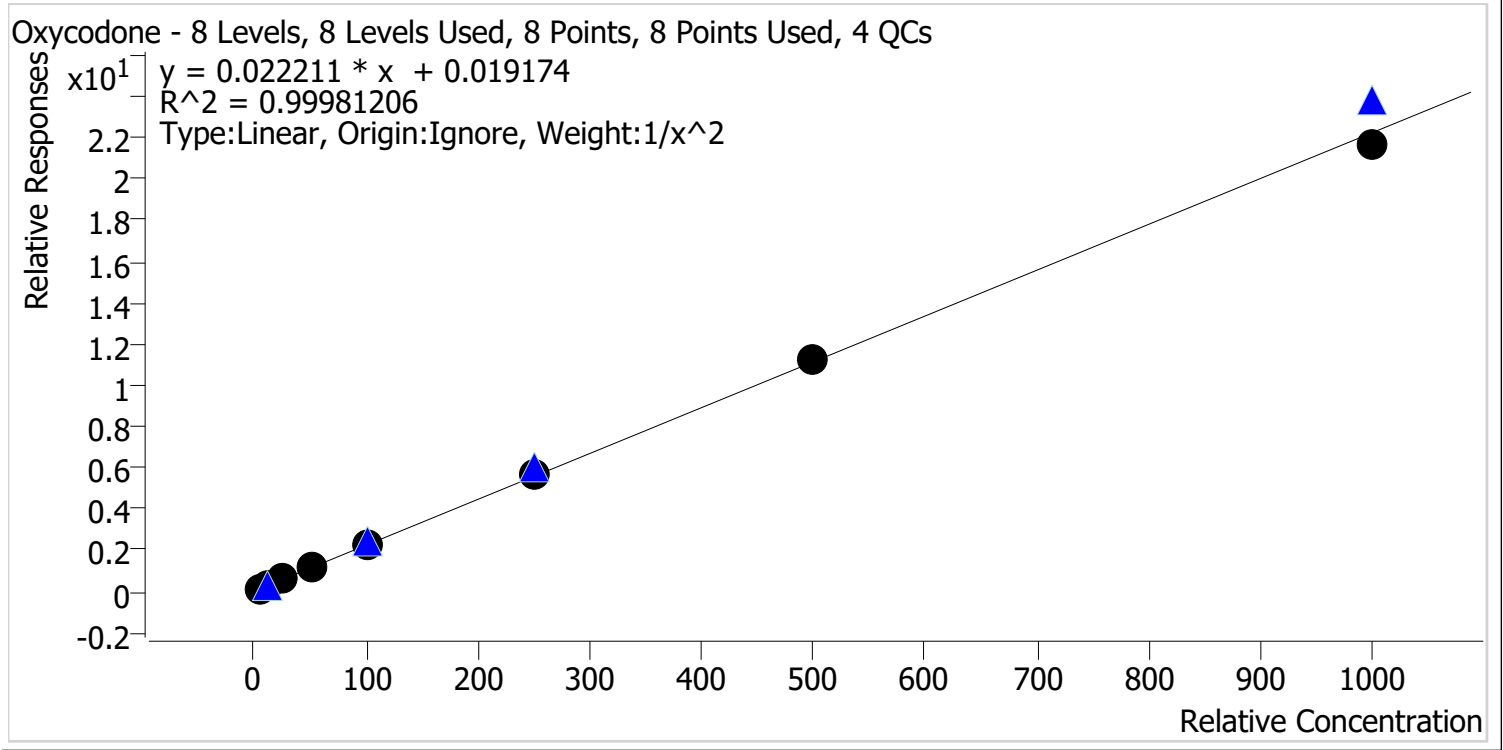


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	507.4	101.5
p1 Cal 8-1000ng	8	✓	1000.0	931.2	93.1



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

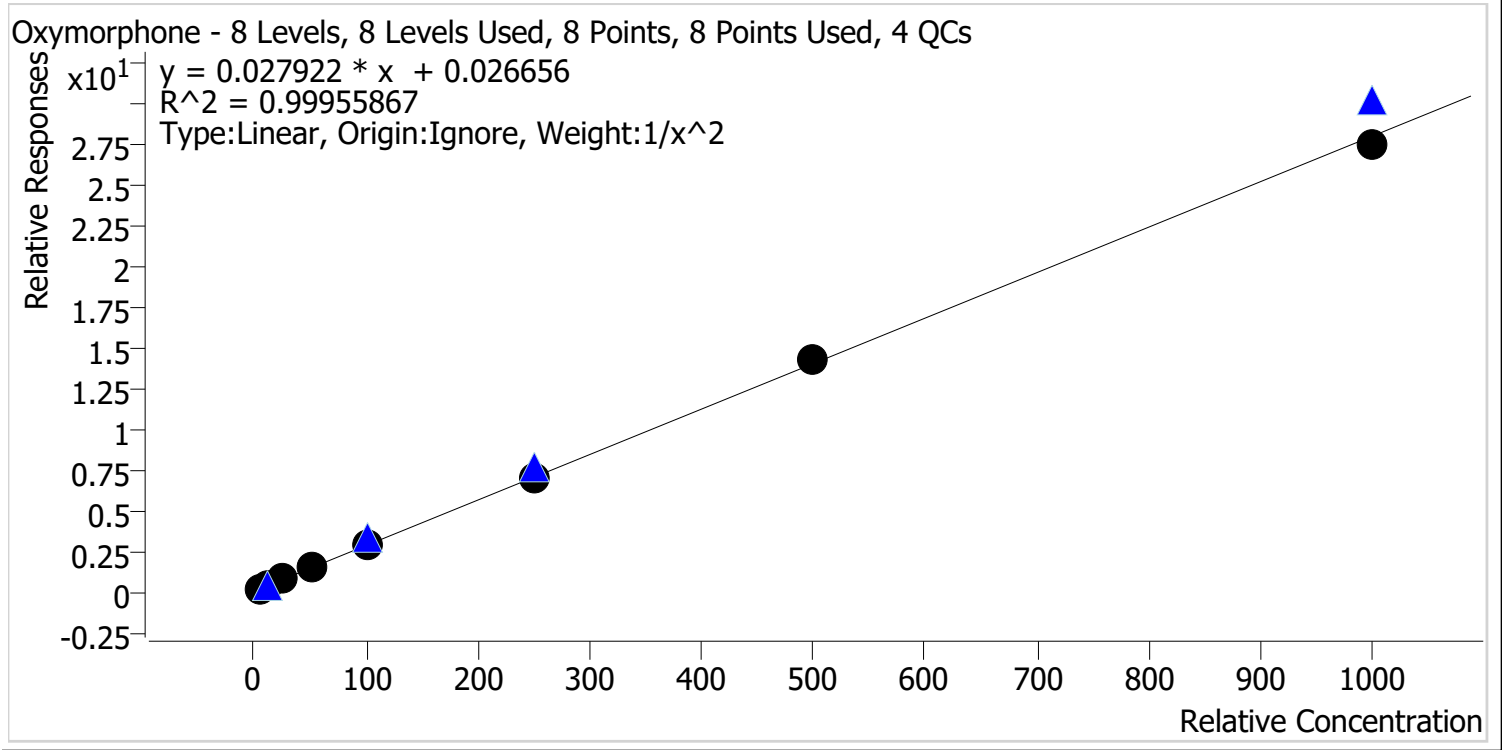


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	505.9	101.2
p1 Cal 8-1000ng	8	✓	1000.0	976.7	97.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	509.1	101.8
p1 Cal 8-1000ng	8	✓	1000.0	984.2	98.4

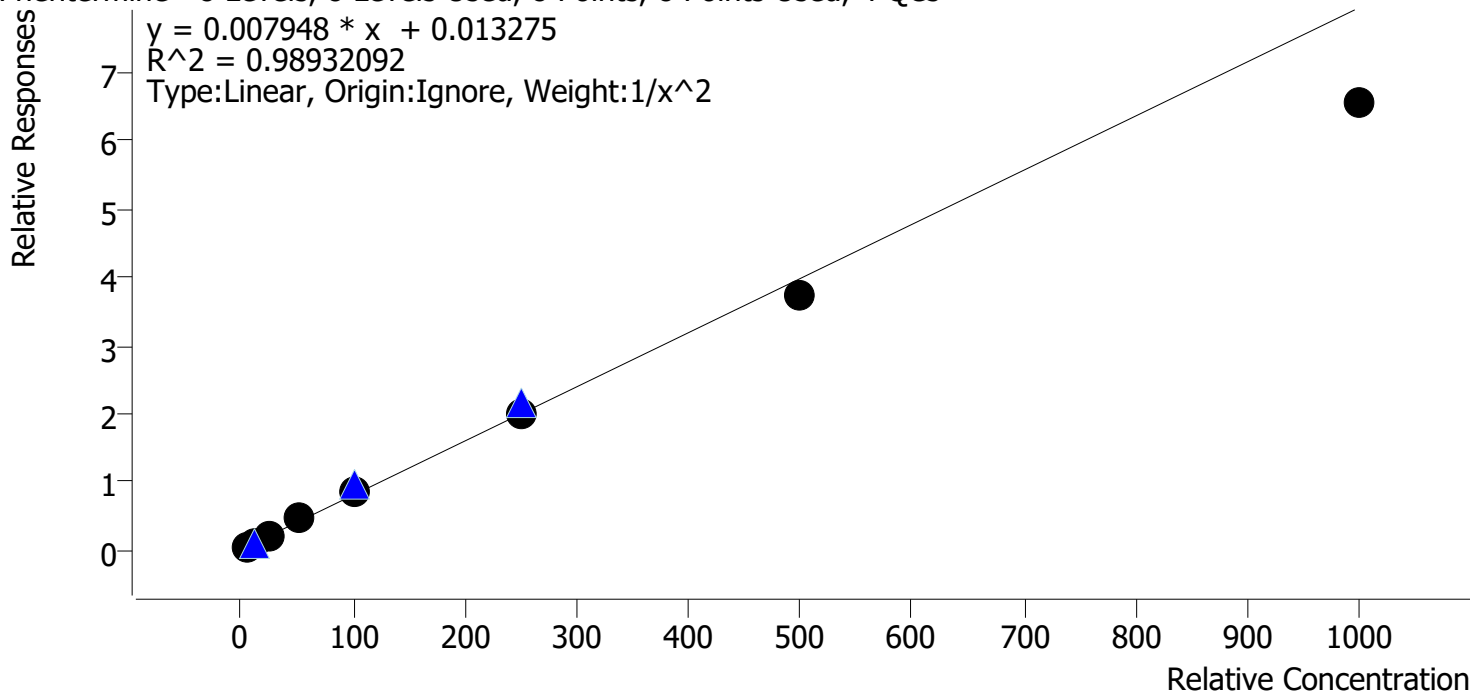
CS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5

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



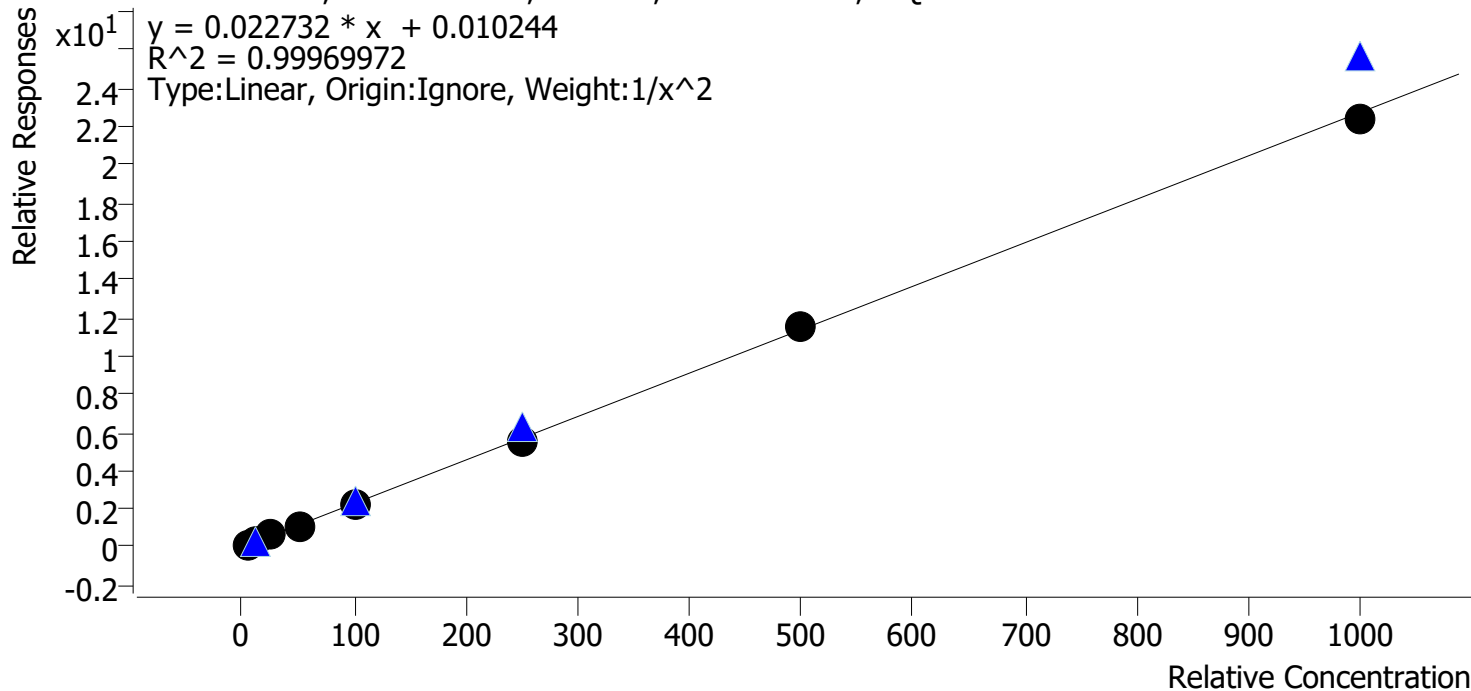
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2-10ng	2	✓	10.0	10.6	105.5
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	471.4	94.3
p1 Cal 8-1000ng	8	✓	1000.0	824.3	82.4



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

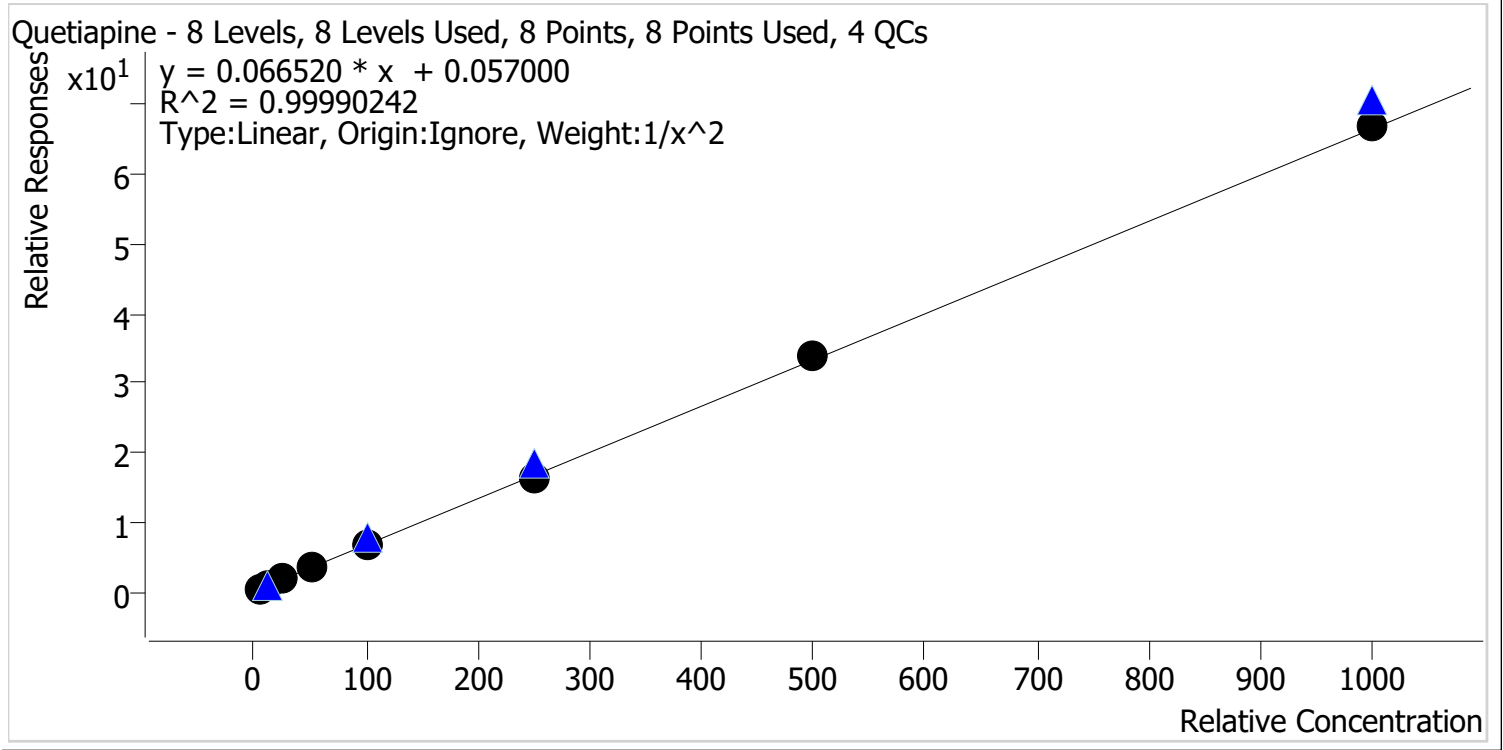
Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	506.9	101.4
p1 Cal 8-1000ng	8	✓	1000.0	981.0	98.1

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



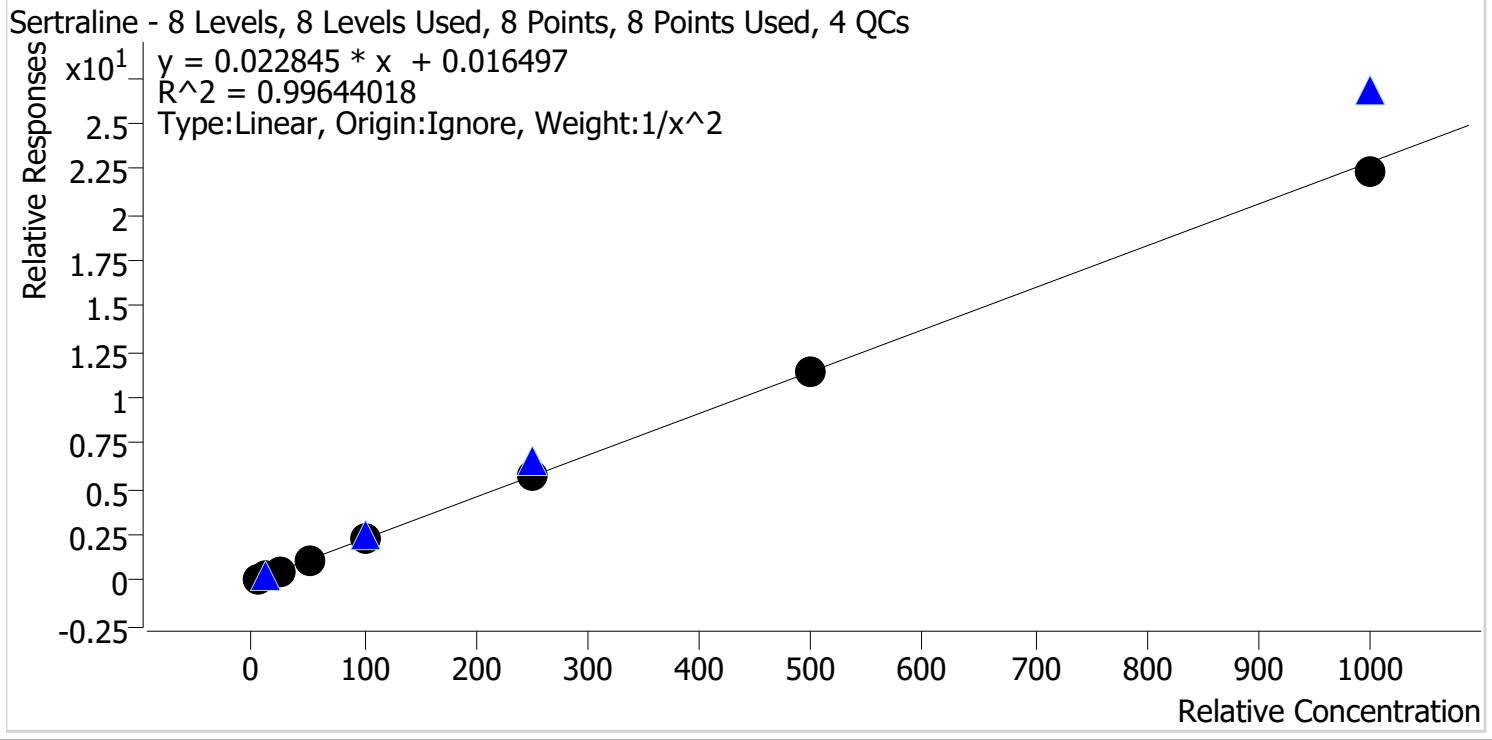
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	505.8	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1005.2	100.5

g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	22.3	89.3
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	503.3	100.7
p1 Cal 8-1000ng	8	✓	1000.0	980.1	98.0

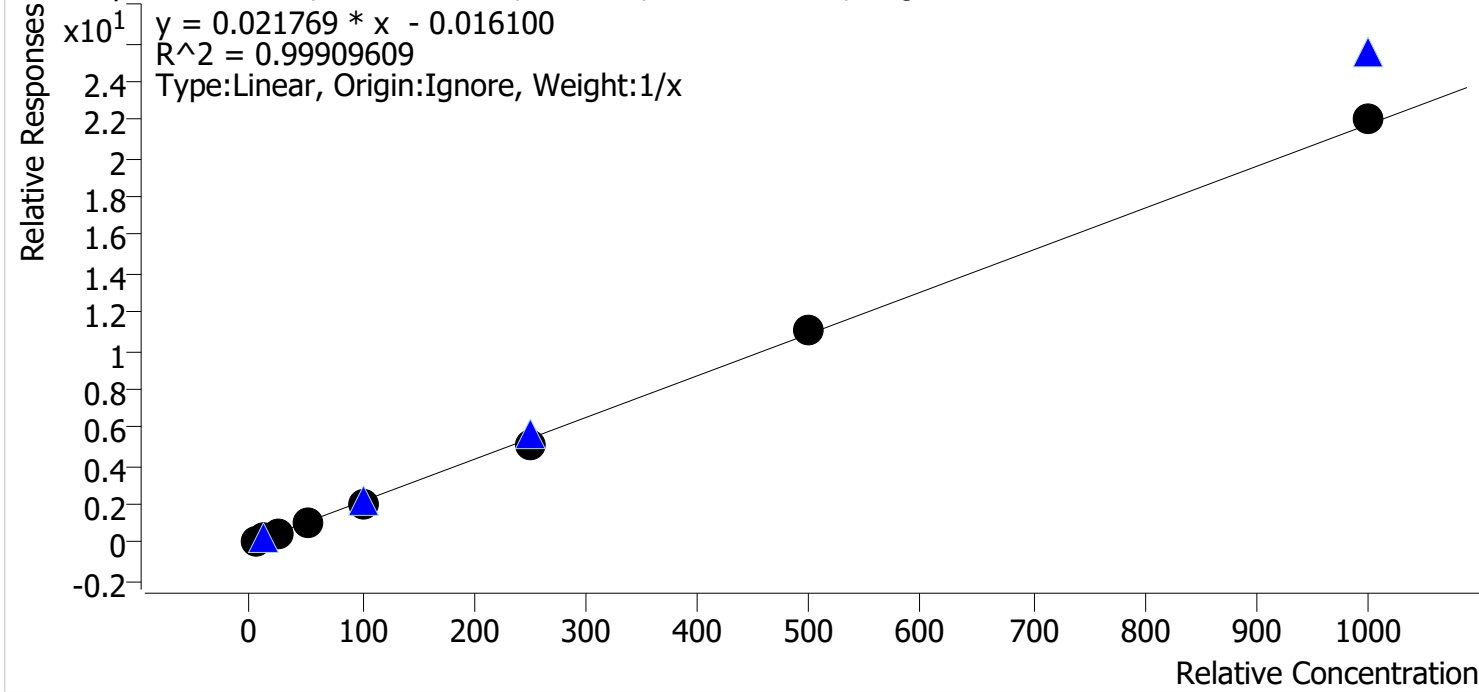
g



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datator  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

Temazepam - 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	5.8	115.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	46.9	93.8
p1 Cal 5-100ng	5	✓	100.0	94.8	94.8
p1 Cal 6-250ng	6	✓	250.0	237.3	94.9
p1 Cal 7-500ng	7	✓	500.0	505.1	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1015.9	101.6

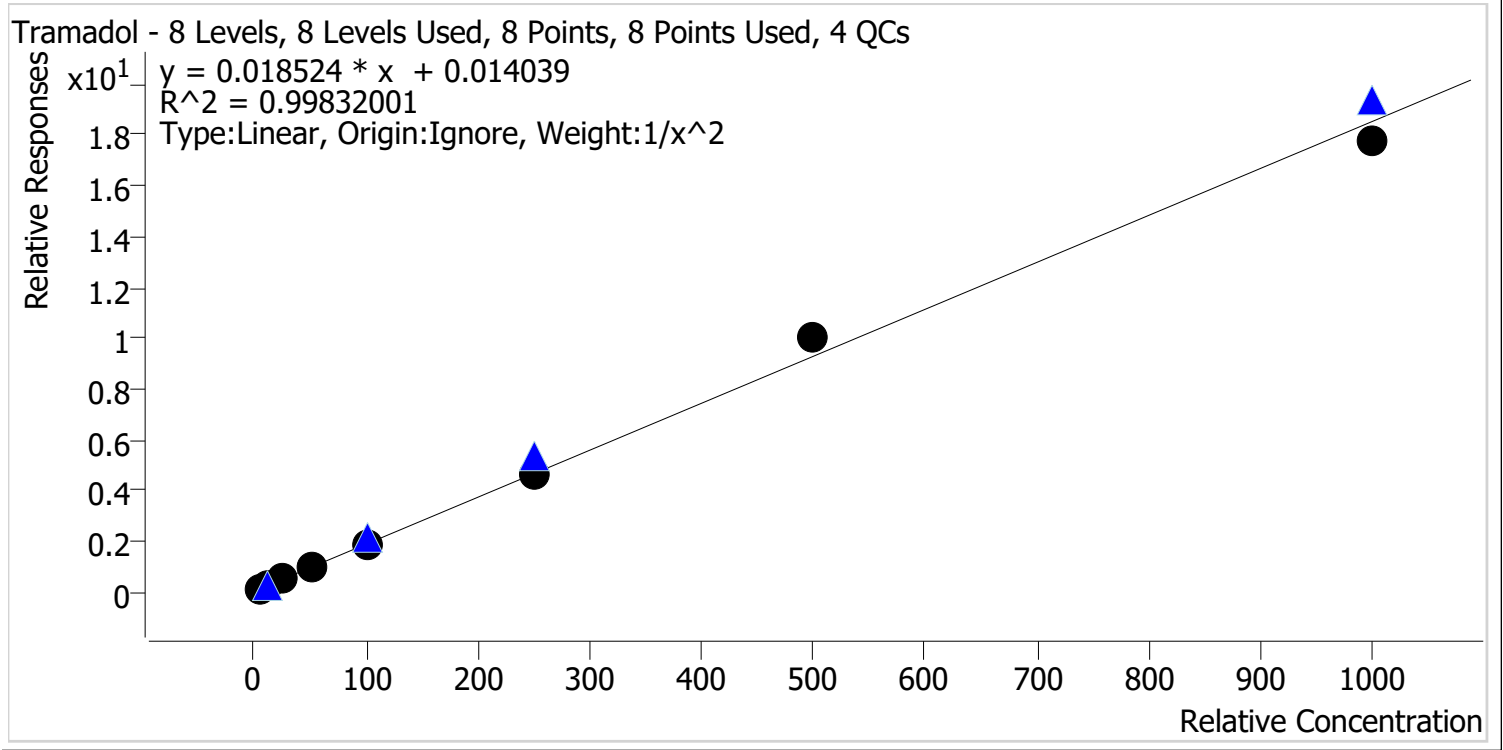


cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	539.1	107.8
p1 Cal 8-1000ng	8	✓	1000.0	959.8	96.0

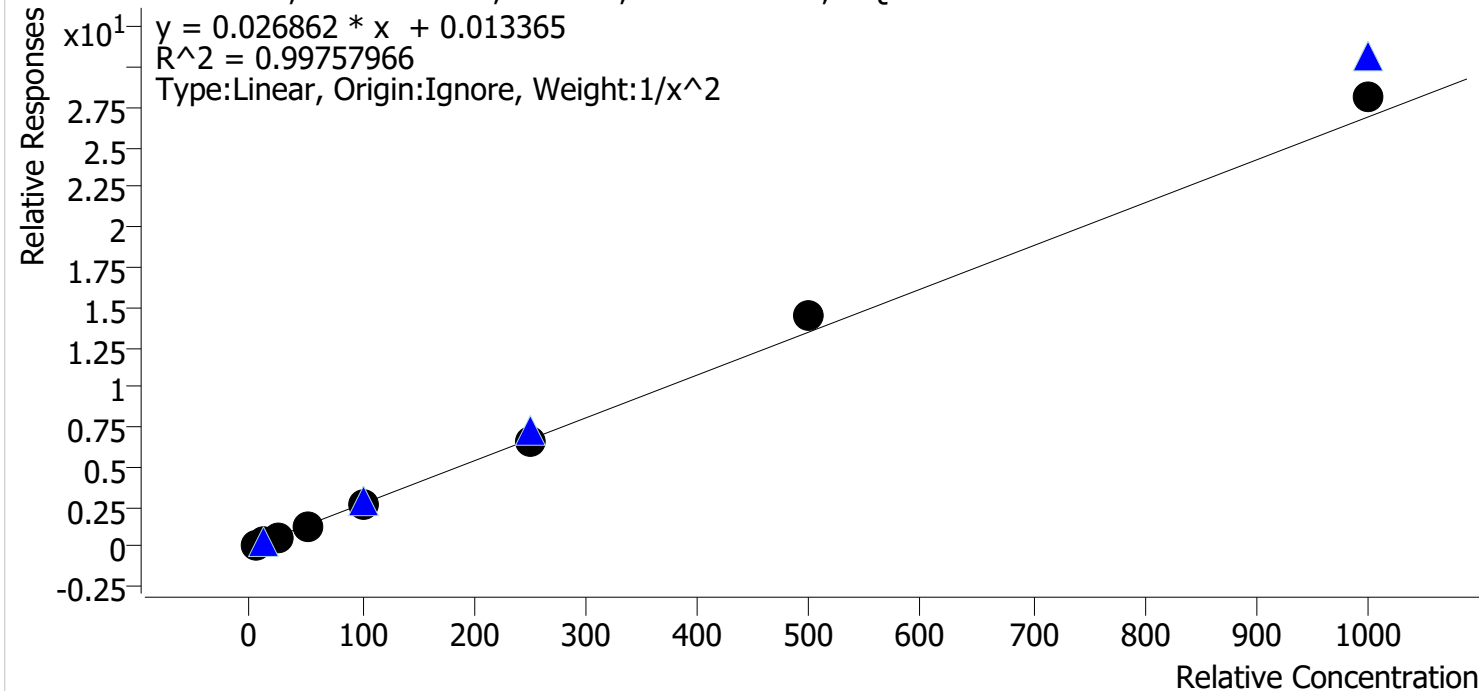
cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

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



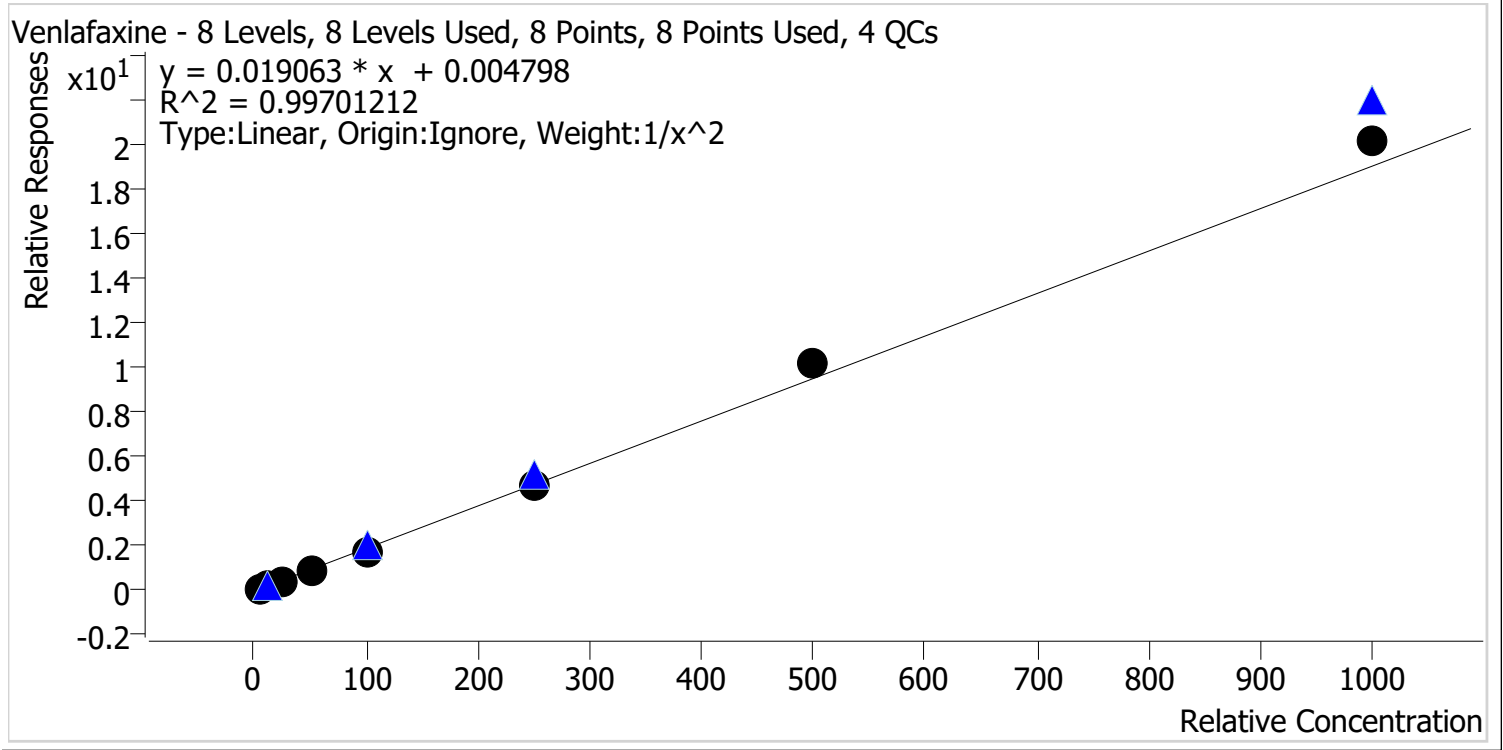
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	243.2	97.3
p1 Cal 7-500ng	7	✓	500.0	536.3	107.3
p1 Cal 8-1000ng	8	✓	1000.0	1049.4	104.9

cg



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



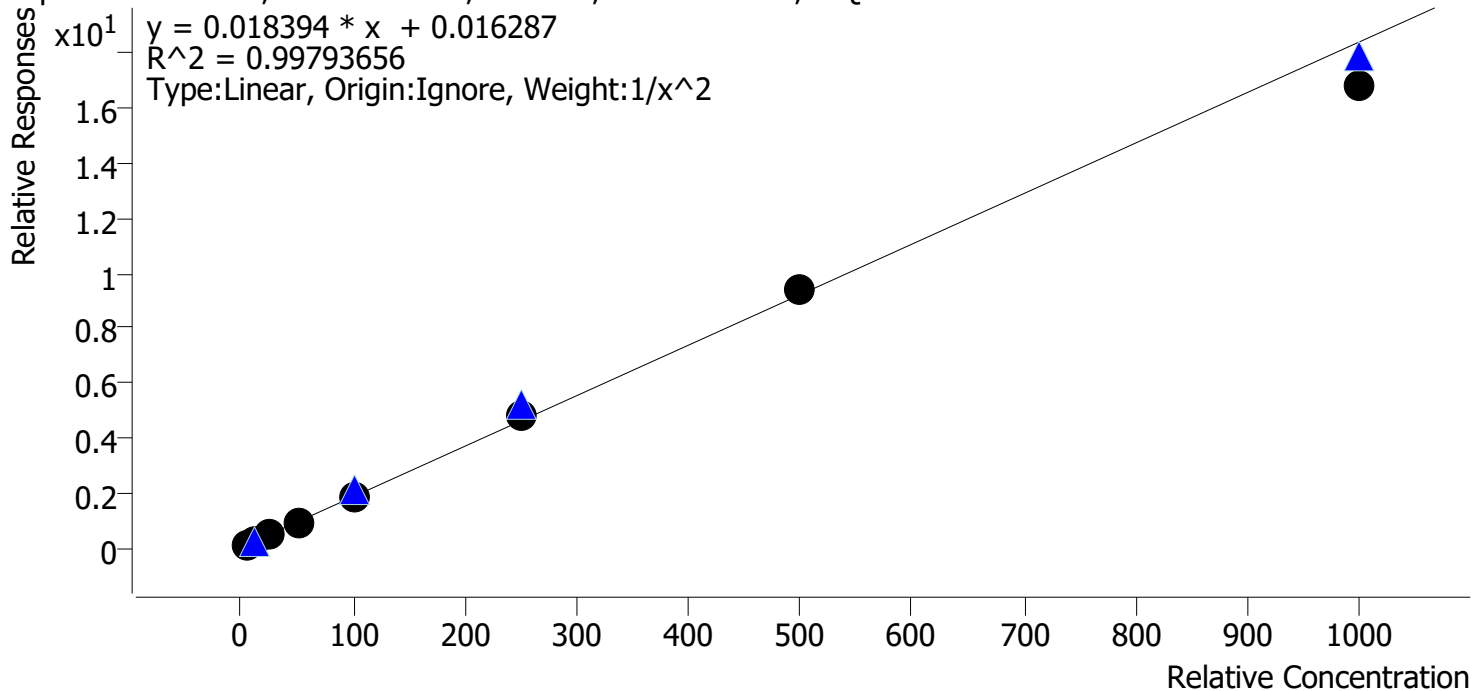
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.4
p1 Cal 4-50ng	4	✓	50.0	47.4	94.8
p1 Cal 5-100ng	5	✓	100.0	95.0	95.0
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	534.1	106.8
p1 Cal 8-1000ng	8	✓	1000.0	1058.0	105.8



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 7/12/2021 10:05 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	261.3	104.5
p1 Cal 7-500ng	7	✓	500.0	512.4	102.5
p1 Cal 8-1000ng	8	✓	1000.0	912.1	91.2

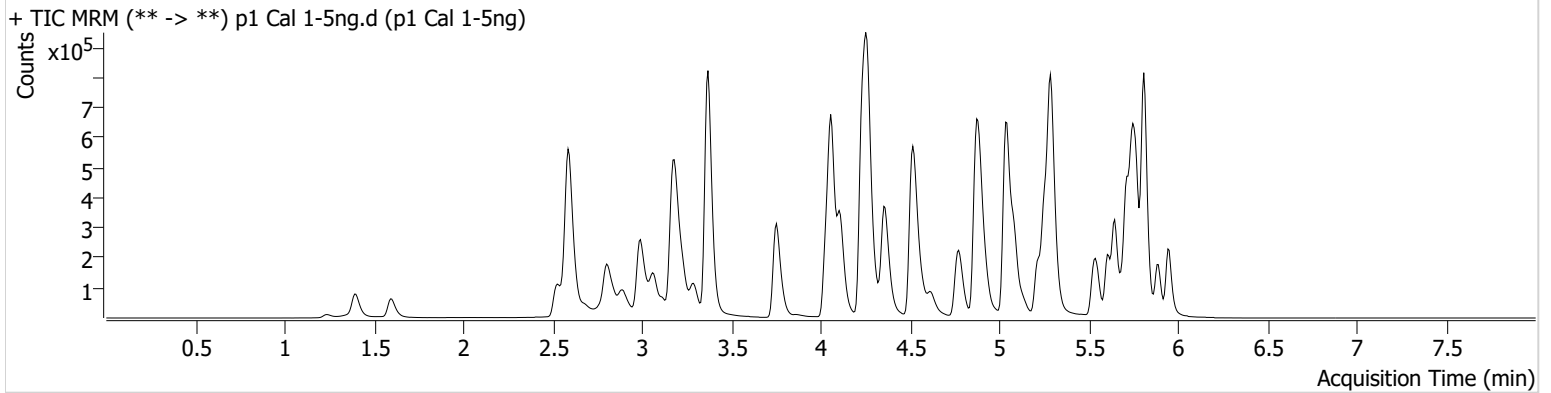
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 1-5ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-H12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/7/2021 2:15:22 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	2239	35.55	65.4	3097.94	103507	0.5787 ng/ml
7-aminoclonazepam	4.271	10521	504.37	80.9	2377.10	114331	5.1021 ng/ml
a-hydroxyalprazolam	5.699	24540	191.90	62.2	212.10	497665	4.7524 ng/ml
alpha-PHP	4.930	29510	112.86	263.8	3413.00	902437	4.9360 ng/ml
alpha-PVP	4.370	117423	2764.41	50.9	744.68	902437	5.1413 ng/ml
Alprazolam	5.768	78456	310.75	109.6	285.64	497665	5.1531 ng/ml
Amphetamine	3.069	216381	2070.67	52.8	551.69	434839	4.8659 ng/ml
Benzoylecgonine	3.899	2019	40.97	8.3	12.11	11425	5.1652 ng/ml
Buprenorphine	5.792	1390	18.26	16.7	395.77	93325	0.5072 ng/ml
Bupropion	4.788	95515	4001.54	61.4	442.39	576868	5.0524 ng/ml
Carisoprodol	5.724	77052	63954.58	56.2	111.78	715938	5.1311 ng/ml
Citalopram	5.219	56430	274.58	39.2	4074.32	450953	4.9919 ng/ml
Clonazepam	5.612	90998	1134.13	32.7	153.14	211841	4.9452 ng/ml
Clonazepam	5.555	61567	34569.08	36.5	74444.25	211841	5.0229 ng/ml
Cocaine	4.264	89841	219833.92	57.6	147165.16	1483660	5.0298 ng/ml
Codeine	2.580	11151	2914.22	94.1	47837.37	94880	4.7154 ng/ml
Cyclobenzaprine	5.615	12525	12601.40	9.7	30.71	94708	5.0909 ng/ml
Dextromethorphan	5.262	25981	32370.49	78.2	151.57	230891	5.0468 ng/ml
Dextrophan	4.112	31714	56237.70	205.6	926.35	667096	5.0331 ng/ml
Diazepam	5.953	48644	303.80	87.9	2403.07	419148	4.9711 ng/ml
Dihydrocodeine	2.559	28473	2614.32	64.0	188.01	289395	4.7608 ng/ml
Diphenhydramine	5.296	149685	4309.70	33.8	1712.58	1711563	5.0912 ng/ml
Doxylamine	4.529	220697	1105.74	95.0	80060.18	1702659	5.0633 ng/ml
EDDP	5.261	72287	5753.05	40.7	418.84	688997	5.0663 ng/ml
Etizolam	5.813	51979	109685.18	25.1	17971.10	211841	6.3860 ng/ml
Fentanyl	5.103	2607	21.51	64.2	3711.22	250381	0.5195 ng/ml
Flualprazolam	5.698	37384	538.72	100.0	7194.85	497665	4.8992 ng/ml
Fluoxetine	5.700	8558	30.82	10.1	666.33	66751	5.1525 ng/ml
Hydrocodone	3.018	41424	88.06	39.4	51.55	423897	4.8920 ng/ml
Hydromorphone	1.608	27653	930.96	76.0	663.97	6638	4.9229 ng/ml
Ketamine	4.051	90957	338.12	35.0	90.98	774533	4.9936 ng/ml
Lamotrigine	4.280	6694	226.83	90.7	2139.94	774533	4.8098 ng/ml
Levetiracetam	2.683	21430	350.41	163.8	279.25	1600243	5.1439 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	84510	246.81	56.7	83.16	211841	4.7933 ng/ml
MDA	3.203	144336	1133.96	23.3	139.04	645521	4.8261 ng/ml
MDMA	3.296	83989	1249.55	82.6	852.64	141556	5.0290 ng/ml
Meprobamate	4.924	44099	102.59	27.9	255.97	322100	4.6849 ng/ml
Methadone	5.646	74552	2687.22	50.3	416.17	585826	5.0695 ng/ml
Methamphetamine	3.238	157433	410.52	37.5	521.70	1064979	4.8445 ng/ml
Metoprolol	4.326	21701	47521.71	93.2	611.77	1918258	4.9253 ng/ml
Mirtazapine	4.617	99715	4737.02	48.8	1119.54	902437	5.0510 ng/ml
Mitragynine	5.230	10742	22978.64	35.7	6993.39	585826	4.9080 ng/ml
Morphine	1.247	3432	1178.50	36.1	457.76	6638	5.0125 ng/ml
Nordiazepam	5.893	50640	686.16	56.5	822.58	296476	4.9477 ng/ml
Norfentanyl	4.086	18070	1883.87	36.0	46.95	1472695	0.5188 ng/ml
Norhydrocodone	3.066	5873	285.54	48.3	39.63	89523	5.0192 ng/ml
Noroxycodone	2.909	41526	115.38	43.8	308.73	253694	5.0048 ng/ml
O-desmethyl-tramadol	3.376	189636	434.14	6.7	388.85	2096966	5.1169 ng/ml
Oxazepam	5.749	97078	509.11	71.4	592.33	775005	4.9575 ng/ml
Oxycodone	2.834	82604	943.13	26.9	805.69	637459	4.9709 ng/ml
Oxymorphone	1.398	37379	2133.57	44.6	176.74	224801	5.0003 ng/ml
Phentermine	3.790	46859	104.57	4.0	36.76	919036	4.7447 ng/ml
Promethazine	5.538	28472	614.72	30.8	137.43	230737	4.9777 ng/ml
Pseudoephedrine	2.603	177430	4131.53	16.0	188.61	1600243	5.1160 ng/ml
Quetiapine	5.541	62407	183.17	56.6	1369.00	160432	4.9909 ng/ml
Sertraline	5.769	2721	17.77	93.0	57.79	21048	4.9361 ng/ml
Temazepam	5.816	166322	4122.63	28.8	51.92	1518425	5.7713 ng/ml
Tramadol	4.246	207147	285.85	3.8	82.79	1918258	5.0716 ng/ml
Trazodone	5.135	45919	84117.39	80.0	74228.80	306108	5.0869 ng/ml
Venlafaxine	5.043	173856	1161.10	37.2	596.43	1706590	5.0922 ng/ml
Zolpidem	4.894	188482	4118.66	29.9	501.41	1747911	4.9770 ng/ml

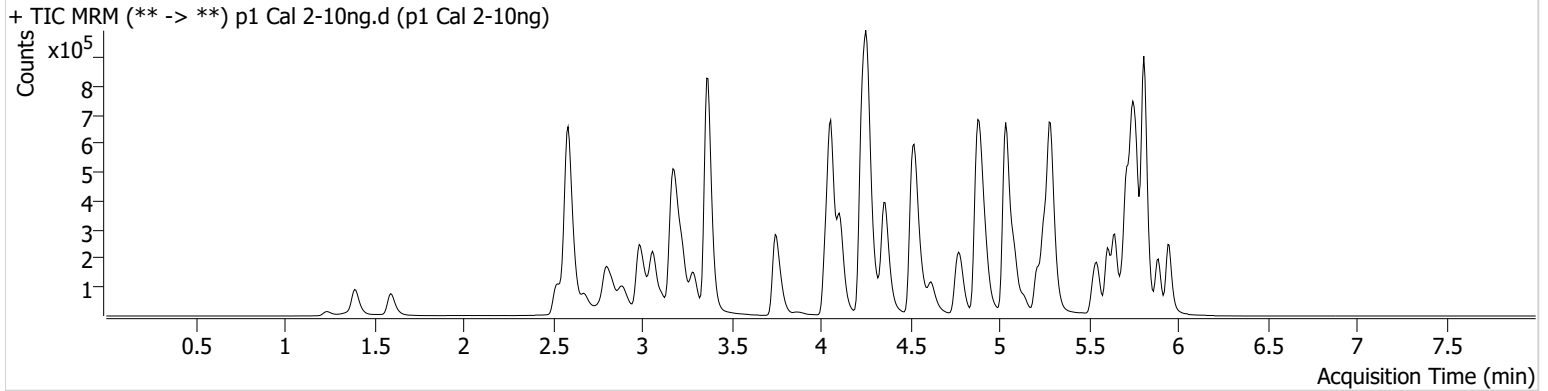
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 2-10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2-10ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-G12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/7/2021 2:26:07 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	3771	252.26	65.3	1186.69	100059	1.0128 ng/ml
7-aminoclonazepam	4.271	20351	265.28	77.2	44.21	115431	9.8173 ng/ml
a-hydroxyalprazolam	5.692	46206	472.03	59.2	900.23	481206	10.6597 ng/ml
alpha-PHP	4.930	49610	1293.95	263.5	2243.32	848903	9.8704 ng/ml
alpha-PVP	4.370	197689	467.90	53.7	325.44	848903	9.6275 ng/ml
Alprazolam	5.768	138060	291.21	112.6	540.25	481206	9.7147 ng/ml
Amphetamine	3.063	370283	2511.23	51.5	390.64	399960	10.2677 ng/ml
Benzoylecgonine	3.892	4808	21.02	8.8	1360.75	16695	9.6027 ng/ml
Buprenorphine	5.799	1959	54.37	11.7	∞	75581	0.9795 ng/ml
Bupropion	4.788	151342	8712.24	62.7	127.12	503352	9.8462 ng/ml
Carisoprodol	5.724	133990	271949.88	59.0	260.91	684856	9.6458 ng/ml
Citalopram	5.212	82402	316.04	39.1	59648.86	345975	10.1422 ng/ml
Clonazepam	5.612	163910	157.09	32.3	1638.40	200027	10.1832 ng/ml
Clonazepam	5.549	109761	3940.40	38.5	62575.27	200027	10.1175 ng/ml
Cocaine	4.264	161696	261.60	55.5	289.94	1383659	10.0776 ng/ml
Codeine	2.573	20166	46.68	103.3	45159.02	90558	10.6372 ng/ml
Cyclobenzaprine	5.615	14534	446.51	7.4	29.72	60425	9.7134 ng/ml
Dextromethorphan	5.262	36730	318.00	81.3	212.34	177591	9.8534 ng/ml
Dextrophan	4.111	55284	540.84	202.6	2326.36	615375	10.0375 ng/ml
Diazepam	5.953	87476	1822.03	86.1	322.49	395830	10.1373 ng/ml
Dihydrocodeine	2.552	51031	1543.33	64.5	873.56	277522	10.4829 ng/ml
Diphenhydramine	5.289	212575	5228.08	34.1	7055.79	1315404	9.8624 ng/ml
Doxylamine	4.536	381504	1415.52	96.5	2778.29	1590495	9.8753 ng/ml
EDDP	5.254	94646	3859.99	42.1	633.14	489485	9.9209 ng/ml
Etizolam	5.813	97293	7806.61	25.5	37062.00	200027	10.9812 ng/ml
Fentanyl	5.103	3215	14.25	63.4	5695.42	183424	0.9400 ng/ml
Flualprazolam	5.698	69087	344.34	95.8	12682.42	481206	10.3576 ng/ml
Fluoxetine	5.700	9354	78.75	10.0	443.56	41263	9.5889 ng/ml
Hydrocodone	3.012	74509	244.16	38.2	119.52	409852	10.2255 ng/ml
Hydromorphone	1.601	52156	4222.86	77.5	47247.46	7230	10.0229 ng/ml
Ketamine	4.051	159213	7194.16	36.4	211.25	731560	10.0677 ng/ml
Lamotrigine	4.280	11814	585.06	83.5	398.81	731560	10.4575 ng/ml
Levetiracetam	2.683	52916	961.83	163.5	1484.36	1697067	9.9313 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	151174	2888.02	57.1	235.92	200027	10.6259 ng/ml
MDA	3.203	243080	565.63	23.7	382.43	581308	10.3686 ng/ml
MDMA	3.290	147524	156705.05	80.2	623.69	131418	10.0371 ng/ml
Meprobamate	4.924	79883	3836.34	26.1	2234.06	305329	10.7079 ng/ml
Methadone	5.646	102503	161.15	49.2	598.68	436705	9.8377 ng/ml
Methamphetamine	3.231	271144	1503.66	37.3	355.39	995659	10.3721 ng/ml
Metoprolol	4.326	39377	884.85	91.8	742.27	1868780	10.1396 ng/ml
Mirtazapine	4.617	151906	1341.74	50.4	1512.61	848903	9.8059 ng/ml
Mitragynine	5.230	14303	231.89	34.4	77.53	436705	10.0800 ng/ml
Morphine	1.247	6885	233.40	35.4	32.96	7230	9.9197 ng/ml
Norbuprenorphine	4.992	515	454.67	60.9 <b>Low</b>	750.09	13150	0.7403 ng/ml
Nordiazepam	5.893	92200	127297.76	54.0	563.79	277782	10.2448 ng/ml
Norfentanyl	4.079	31866	1149.81	34.8	10.92	1403212	0.9713 ng/ml
Norhydrocodone	3.059	11309	82.36	42.5	301.56	86161	10.0338 ng/ml
Noroxycodone	2.909	76861	183.66	42.3	84.94	248003	10.0882 ng/ml
O-desmethyl-tramadol	3.369	336341	27200.58	6.8	348.15	2017991	9.7310 ng/ml
Oxazepam	5.749	176689	286.16	73.7	292.85	744618	10.0724 ng/ml
Oxycodone	2.827	145069	1253.84	27.2	412.58	594029	10.1318 ng/ml
Oxymorphone	1.398	68498	351.34	44.0	438.62	226609	9.8709 ng/ml
Phentermine	3.783	80964	118.57	3.7	22.83	833475	10.5515 ng/ml
Promethazine	5.532	34447	5426.32	26.9	403.50	145118	9.9916 ng/ml
Pseudoephedrine	2.596	356954	6809.14	16.2	7529.60	1697067	9.8883 ng/ml
Quetiapine	5.541	86864	403.03	57.1	511.00	120005	10.0246 ng/ml
Sertraline	5.769	3191	22.15	93.0	4301.49	12374	10.5678 ng/ml
Temazepam	5.816	308063	1177.81	28.6	153.02	1475877	10.3281 ng/ml
Tramadol	4.246	363821	615.57	3.8	307.59	1868780	9.7518 ng/ml
Trazodone	5.135	63115	96628.62	80.5	389.88	225476	9.9229 ng/ml
Venlafaxine	5.037	305226	7085.37	36.1	3823.60	1570054	9.9461 ng/ml
Zolpidem	4.901	330331	4556.61	30.7	572.60	1637130	10.0843 ng/ml



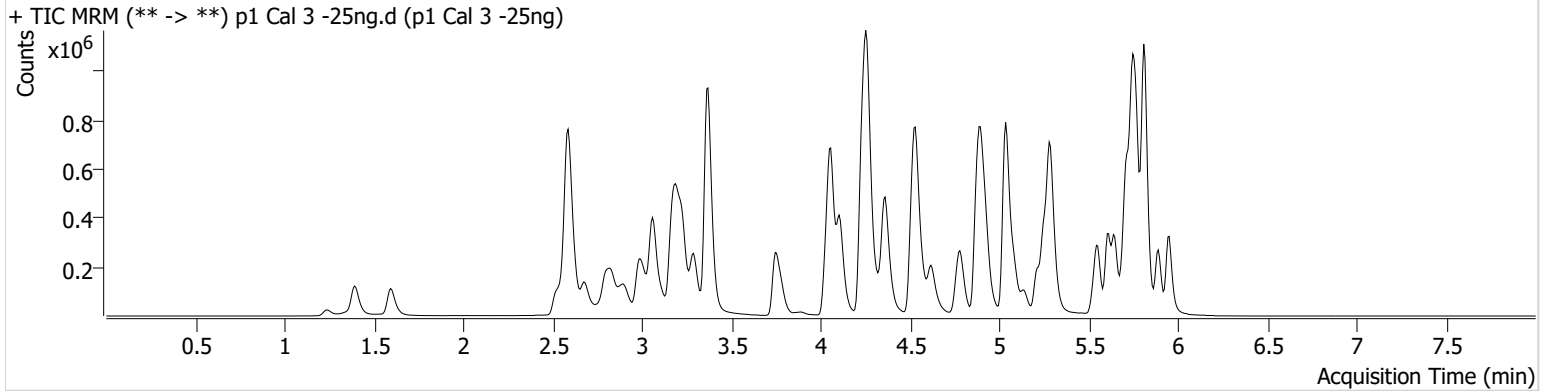
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 3 -25ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 3 -25ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-F12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/7/2021 2:36:44 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	8295	378.26	67.7	216.59	95780	2.3353 ng/ml
7-aminoclonazepam	4.271	44710	7337.02	79.6	1234.15	103900	24.0288 ng/ml
a-hydroxyalprazolam	5.692	102416	230.50	58.5	557.83	458493	26.7647 ng/ml
alpha-PPH	4.930	106387	3386.10	255.1	510.95	751348	25.8112 ng/ml
alpha-PVP	4.370	427096	6999.84	52.6	309.14	751348	24.2774 ng/ml
Alprazolam	5.768	304627	8148.79	116.9	832.23	458493	23.0372 ng/ml
Amphetamine	3.063	729944	927.63	52.7	423.96	334470	26.1201 ng/ml
Benzoylecgonine	3.892	10308	1330.37	8.2	14.44	15916	23.9423 ng/ml
Buprenorphine	5.792	3571	67.06	15.2	1615.59	60594	2.3937 ng/ml
Bupropion	4.788	294390	207.71	62.3	3091.41	408351	24.7591 ng/ml
Carisoprodol	5.724	296020	5253.08	56.9	314.03	612340	24.4055 ng/ml
Citalopram	5.212	160091	229.06	39.4	89.01	289586	24.4788 ng/ml
Clonazepam	5.612	363836	5111.11	32.4	745.01	189086	25.0253 ng/ml
Clonazepam	5.549	235694	158394.00	37.8	12717.35	189086	23.8906 ng/ml
Cocaine	4.257	360713	24482.39	54.5	10907.88	1320249	24.0945 ng/ml
Codeine	2.573	42948	4218.52	97.9	1104.88	83944	26.9087 ng/ml
Cyclobenzaprine	5.615	27073	3292.50	8.3	61.61	46014	24.5615 ng/ml
Dextromethorphan	5.262	72188	183.46	78.7	151796.46	143870	24.8874 ng/ml
Dextrophan	4.111	117714	320147.70	204.4	28607.43	557542	24.3880 ng/ml
Diazepam	5.953	194300	2583.34	85.9	3606.90	377274	24.6116 ng/ml
Dihydrocodeine	2.552	111740	37982.30	66.4	6095.83	259649	26.9797 ng/ml
Diphenhydramine	5.289	414904	237.35	33.7	4311.07	1087926	24.0033 ng/ml
Doxylamine	4.536	817229	7938.81	95.1	439.87	1428338	24.3790 ng/ml
EDDP	5.254	195368	1247.47	41.6	262.91	428783	24.3172 ng/ml
Etizolam	5.813	207012	8201.68	25.6	94737.35	189086	22.5803 ng/ml
Fentanyl	5.096	5777	128.60	65.4	10349.82	139476	2.3513 ng/ml
Flualprazolam	5.698	148380	4666.58	95.5	13171.11	458493	24.7159 ng/ml
Fluoxetine	5.700	15003	65.70	7.2	42.29	28393	23.1802 ng/ml
Hydrocodone	3.012	162881	294.40	38.5	88.52	381944	25.7463 ng/ml
Hydromorphone	1.601	120714	1311.90	79.2	5743.79	7200	26.0078 ng/ml
Ketamine	4.051	340486	1791.46	34.3	750.25	670027	24.7798 ng/ml
Lamotrigine	4.280	24689	917.21	87.6	7252.35	670027	26.0301 ng/ml
Levetiracetam	2.683	119203	1305.57	162.3	1417.04	1547676	22.2674 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	326985	13989.64	56.3	310.63	189086	26.5385 ng/ml
MDA	3.203	495316	2787.36	24.0	552.41	509121	26.1708 ng/ml
MDMA	3.290	308684	2104.69	80.7	2452.57	118350	24.0963 ng/ml
Meprobamate	4.917	169263	1020.34	26.6	115.97	283988	26.8569 ng/ml
Methadone	5.646	197687	1344.56	49.2	849.04	347471	24.6674 ng/ml
Methamphetamine	3.231	548034	1848.71	37.8	2519.24	889488	25.6362 ng/ml
Metoprolol	4.326	83075	134945.59	93.2	3610.40	1675820	25.3696 ng/ml
Mirtazapine	4.617	294962	4576.54	51.4	1430.02	751348	24.6465 ng/ml
Mitragynine	5.230	26881	18805.05	36.4	18049.95	347471	26.0829 ng/ml
Morphine	1.240	16141	359.42	34.5	140.73	7200	24.4609 ng/ml
Norbuprenorphine	4.986	724	1912.32	85.3	475.54	9822	2.5829 ng/ml
Nordiazepam	5.893	204496	572.90	55.1	221.95	263980	24.8021 ng/ml
Norfentanyl	4.079	64574	3607.74	35.4	235.81	1203364	2.3128 ng/ml
Norhydrocodone	3.060	23593	71.02	43.7	195.31	74156	24.3087 ng/ml
Noroxycodone	2.903	166613	685.03	42.7	223280.70	229506	24.5507 ng/ml
O-desmethyl-tramadol	3.369	757185	13916.15	6.8	522.20	1866171	24.2001 ng/ml
Oxazepam	5.749	398625	183.85	71.3	213.34	697039	25.3494 ng/ml
Oxycodone	2.827	321319	680.84	27.7	787.50	563445	24.8119 ng/ml
Oxymorphone	1.391	155768	∞	41.8	169.92	208505	25.8006 ng/ml
Phentermine	3.783	168762	276.04	4.3	50.69	754529	26.4700 ng/ml
Promethazine	5.532	61381	236.60	27.1	205.80	103412	25.6606 ng/ml
Pseudoephedrine	2.596	766813	5325.48	16.1	1382.46	1547676	23.5694 ng/ml
Quetiapine	5.541	166624	549633.43	58.6	∞	96391	25.1296 ng/ml
Sertraline	5.769	4335	19.54	93.5	118.56	8237	22.3165 ng/ml
Temazepam	5.816	677137	696.04	27.0	246.45	1349885	23.7827 ng/ml
Tramadol	4.246	796731	24547.30	3.5	133.46	1675820	24.9074 ng/ml
Trazodone	5.135	122624	217429.59	80.8	193108.16	187275	23.8777 ng/ml
Venlafaxine	5.037	652193	719.32	36.3	495.77	1419368	23.8519 ng/ml
Zolpidem	4.901	712089	487.29	30.5	1342.36	1506970	24.8044 ng/ml

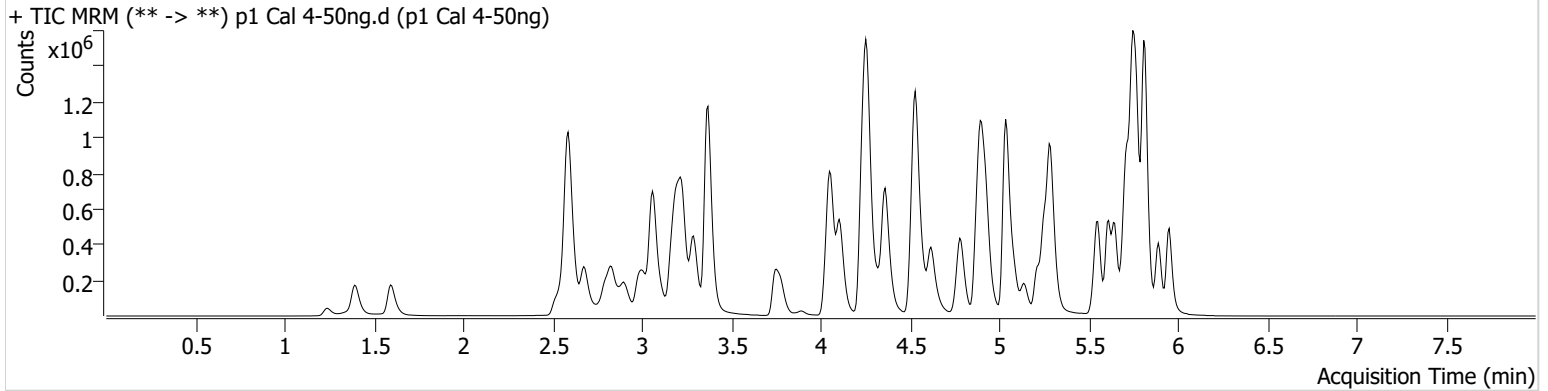
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 4-50ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 4-50ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-E12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/7/2021 2:47:21 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	15661	250.56	67.8	1834.02	90727	4.6605 ng/ml
7-aminoclonazepam	4.271	99242	199.01	77.7	4182.65	114525	48.4351 ng/ml
a-hydroxyalprazolam	5.692	185691	371.40	58.9	225.95	435804	52.3999 ng/ml
alpha-PHP	4.930	220075	10376.00	262.0	38108.80	759769	54.1956 ng/ml
alpha-PVP	4.370	852824	29290.73	52.9	494.07	759769	48.4653 ng/ml
Alprazolam	5.768	615548	∞	110.5	986.00	435804	49.4361 ng/ml
Amphetamine	3.063	1362414	4400.80	51.9	4888.07	318220	52.5997 ng/ml
Benzoylcegonine	3.892	23818	1413.46	8.3	2452.15	19157	47.6906 ng/ml
Buprenorphine	5.792	8288	111.44	13.9	4006.80	67479	5.1305 ng/ml
Bupropion	4.788	605222	∞	63.0	2264.32	424362	49.7855 ng/ml
Carisoprodol	5.724	552771	1636848.45	56.8	7155.27	574194	48.9865 ng/ml
Citalopram	5.212	312227	1012.95	40.7	43174.24	282805	49.5937 ng/ml
Clonazepam	5.612	699499	12030.33	32.6	470086.48	182123	50.7748 ng/ml
Clonazepam	5.549	455619	16064.47	38.0	128475.26	182123	48.6672 ng/ml
Cocaine	4.257	698609	1061.45	54.6	567.01	1262096	49.2242 ng/ml
Codeine	2.573	80800	749.40	100.1	152.47	81656	53.8207 ng/ml
Cyclobenzaprine	5.615	56674	106024.20	9.9	6095.18	48492	49.3379 ng/ml
Dextromethorphan	5.262	142501	4713.74	79.5	1227.65	142901	50.1417 ng/ml
Dextrophan	4.111	228803	1014.65	206.9	2594.59	550938	48.5439 ng/ml
Diazepam	5.953	390754	7373.10	88.0	3430.86	373812	50.7186 ng/ml
Dihydrocodeine	2.552	209045	33204.12	67.7	4180.93	256408	52.7442 ng/ml
Diphenhydramine	5.289	822720	11465.93	34.1	11223.46	1081744	48.4014 ng/ml
Doxylamine	4.529	1660006	11047.53	96.2	45244.18	1467437	48.7814 ng/ml
EDDP	5.254	410874	797.70	41.6	5231.08	462665	48.0531 ng/ml
Etizolam	5.813	405427	9547.52	25.5	222101.39	182123	44.1484 ng/ml
Fentanyl	5.096	12826	35.31	64.4	11255.10	146499	5.0765 ng/ml
Flualprazolam	5.698	289691	2919.12	94.7	8287.11	435804	51.9164 ng/ml
Fluoxetine	5.700	36378	2478.21	8.3	21.02	32409	49.9406 ng/ml
Hydrocodone	3.012	303820	191.35	40.1	286.68	364912	51.5110 ng/ml
Hydromorphone	1.601	239582	4670.87	78.2	738.37	7234	53.3733 ng/ml
Ketamine	4.044	663415	8610.62	36.5	3885.50	662472	49.7578 ng/ml
Lamotrigine	4.273	48186	1290.51	83.7	2485.80	662472	53.0300 ng/ml
Levetiracetam	2.676	264690	1614.04	165.9	4612.13	1519929	48.4054 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	597239	4013.33	57.1	2282.78	182123	51.8740 ng/ml
MDA	3.196	922184	3180.75	23.8	830.42	482930	52.8536 ng/ml
MDMA	3.290	606601	3773.57	79.1	3864.72	114011	49.7635 ng/ml
Meprobamate	4.917	314117	33474.25	26.6	3528.63	265312	55.2500 ng/ml
Methadone	5.646	413886	9189.42	50.6	1077.67	378070	47.9982 ng/ml
Methamphetamine	3.231	1043444	559.24	37.7	4103.34	842916	53.2421 ng/ml
Metoprolol	4.326	165552	243965.59	92.6	461.52	1670599	51.8331 ng/ml
Mirtazapine	4.617	588334	751.62	49.8	18497.69	759769	51.1677 ng/ml
Mitragynine	5.230	53294	153.31	39.6	125.08	378070	48.9001 ng/ml
Morphine	1.240	34530	77.13	33.0	111.43	7234	53.0049 ng/ml
Norbuprenorphine	4.992	1182	937.14	97.1	19938.52	10381	4.7242 ng/ml
Nordiazepam	5.893	403521	5371.08	55.7	799.56	263998	49.5876 ng/ml
Norfentanyl	4.079	124162	100.82	35.3	190.34	1147832	4.6754 ng/ml
Norhydrocodone	3.059	42198	45.07	42.0	243.14	62817	51.3176 ng/ml
Noroxycodone	2.903	314922	707.45	43.1	278.21	219418	49.2074 ng/ml
O-desmethyl-tramadol	3.369	1455322	2229.82	6.8	477.20	1816389	48.1352 ng/ml
Oxazepam	5.749	744413	474.22	72.5	4632.14	663769	50.4435 ng/ml
Oxycodone	2.827	613916	753.44	28.1	543.48	540867	50.2398 ng/ml
Oxymorphone	1.398	293063	∞	44.2	910.04	204252	50.4311 ng/ml
Phentermine	3.783	332255	1919.62	4.2	151.64	738293	54.9502 ng/ml
Promethazine	5.532	131496	181.39	27.6	232.69	115008	49.8474 ng/ml
Pseudoephedrine	2.596	1508172	16602.85	16.4	2844.33	1519929	47.4075 ng/ml
Quetiapine	5.541	338062	25904.66	58.5	258181.50	99705	50.1147 ng/ml
Sertraline	5.769	14095	69.14	86.6	16513.15	11728	51.8844 ng/ml
Temazepam	5.816	1299385	989.32	28.3	1487.38	1292604	46.9175 ng/ml
Tramadol	4.246	1546488	1022.19	3.6	142.01	1670599	49.2151 ng/ml
Trazodone	5.135	239359	1934.61	79.9	9543.45	183709	48.0060 ng/ml
Venlafaxine	5.037	1316678	1877.94	36.6	582.73	1449612	47.3945 ng/ml
Zolpidem	4.901	1425420	774.96	30.7	1840.13	1518810	50.1382 ng/ml

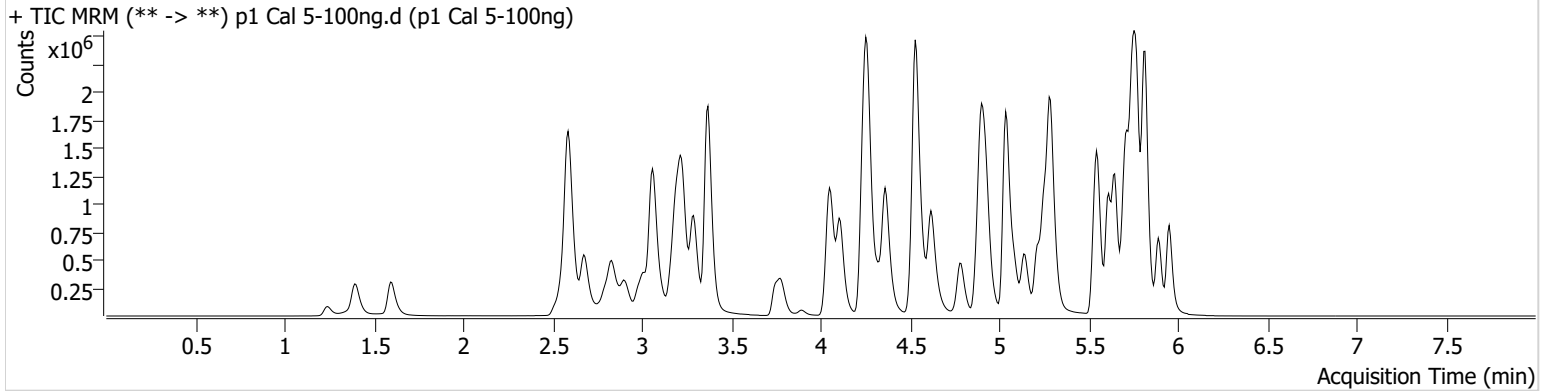
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-D12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/7/2021 2:57:56 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	35030	458.92	69.7	336.60	97899	9.6672 ng/ml
7-aminoclonazepam	4.271	277937	210.66	76.6	2510.48	158383	98.1322 ng/ml
a-hydroxyalprazolam	5.692	345655	3967.59	56.9	1552.39	426347	101.0426 ng/ml
alpha-PHP	4.930	425156	8834.09	263.3	115293.67	723712	111.2854 ng/ml
alpha-PVP	4.370	1614070	∞	53.0	1552.99	723712	96.8285 ng/ml
Alprazolam	5.775	1202860	5052.22	108.7	2614.23	426347	99.1568 ng/ml
Amphetamine	3.063	2681872	29740.64	51.1	10366.16	330221	101.0441 ng/ml
Benzoylecgonine	3.892	50745	161.02	7.9	64.58	20355	97.5181 ng/ml
Buprenorphine	5.792	22235	671.68	14.0	5573.94	91917	10.2315 ng/ml
Bupropion	4.788	732258	89202.34	63.4	3669.02	261556	98.5216 ng/ml
Carisoprodol	5.724	1011790	186655.53	59.2	2553.94	543432	95.1035 ng/ml
Citalopram	5.212	855555	532.63	40.3	6568.02	395588	97.8317 ng/ml
Clonazepam	5.612	1320793	341633.50	32.3	826600.82	174437	100.8997 ng/ml
Clonazepam	5.549	890021	55970.76	37.8	545902.25	174437	99.9994 ng/ml
Cocaine	4.257	1437193	1334.34	54.7	378992.24	1319327	97.2582 ng/ml
Codeine	2.573	162506	1605.32	99.2	11061.66	83759	107.3545 ng/ml
Cyclobenzaprine	5.615	411501	16175.24	8.4	163.38	171315	101.9852 ng/ml
Dextromethorphan	5.262	432362	239.39	80.7	8643.99	225211	97.1702 ng/ml
Dextrophan	4.111	487642	413837.06	207.3	1043.08	584644	98.0923 ng/ml
Diazepam	5.953	774091	11755.43	87.2	483.52	374578	100.9941 ng/ml
Dihydrocodeine	2.552	444764	1152.77	67.4	605.99	275587	106.1964 ng/ml
Diphenhydramine	5.289	2268069	150068.11	33.1	24697.63	1468231	98.8615 ng/ml
Doxylamine	4.529	3677553	3865.68	95.5	5985.58	1594545	100.0722 ng/ml
EDDP	5.254	901945	13382.41	41.4	469.42	496454	99.0302 ng/ml
Etizolam	5.813	818038	10842.79	24.3	8480.20	174437	91.1140 ng/ml
Fentanyl	5.103	55654	195.12	66.2	89673.95	320168	10.1739 ng/ml
Flualprazolam	5.698	548242	5746.08	101.9	10346.78	426347	101.4508 ng/ml
Fluoxetine	5.700	398012	260.26	8.2	99.15	163319	109.1553 ng/ml
Hydrocodone	3.012	628508	∞	39.4	192.83	380825	103.3915 ng/ml
Hydromorphone	1.601	490048	2492.28	79.1	1386038.99	7992	100.5622 ng/ml
Ketamine	4.051	1364086	169009.84	36.0	378.72	686076	99.7292 ng/ml
Lamotrigine	4.280	97757	1246.19	82.6	5808.47	686076	105.5062 ng/ml
Levetiracetam	2.676	553817	2489.34	163.6	5747.30	1538068	98.4413 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	957276	5680.59	59.1	2049.24	174437	87.9726 ng/ml
MDA	3.196	1811996	11987.63	23.5	1424.37	489728	103.8575 ng/ml
MDMA	3.290	1283430	6282.94	79.8	4261.11	121182	99.6375 ng/ml
Meprobamate	4.924	595341	3056034.89	27.3	273.00	260790	108.3193 ng/ml
Methadone	5.646	1315092	570.96	49.7	21126.81	572180	101.4064 ng/ml
Methamphetamine	3.231	2111019	3094.23	37.7	7766.29	894511	103.0603 ng/ml
Metoprolol	4.326	341581	621337.93	94.1	3878.95	1742718	103.6152 ng/ml
Mirtazapine	4.617	1534941	1580.29	51.1	11249.89	723712	144.7100 ng/ml
Mitragynine	5.230	192866	15170.95	38.9	113223.10	572180	119.2540 ng/ml
Morphine	1.240	71714	256.49	36.2	361.36	7992	100.3649 ng/ml
Norbuprenorphine	4.992	2997	6701.50	99.8	2343.70	14485	9.6853 ng/ml
Nordiazepam	5.893	808107	18358.09	56.1	2994.81	261519	100.9301 ng/ml
Norfentanyl	4.079	251472	528.69	34.7	705.71	1153248	9.4381 ng/ml
Norhydrocodone	3.060	78767	163.67	42.8	128.34	64577	93.1721 ng/ml
Noroxycodone	2.903	620492	1429.97	43.3	696.47	216395	98.9917 ng/ml
O-desmethyl-tramadol	3.369	3174460	104348.71	6.7	392.86	1952343	98.0514 ng/ml
Oxazepam	5.749	1313787	5342.12	71.7	5804.03	581076	102.4690 ng/ml
Oxycodone	2.827	1284427	4645.71	27.2	562.37	571148	100.3854 ng/ml
Oxymorphone	1.398	587303	∞	43.1	472.87	210864	98.7942 ng/ml
Phentermine	3.783	680131	4686.08	4.0	681.45	793549	106.1619 ng/ml
Promethazine	5.532	921629	11382.54	28.5	332.15	401961	100.4138 ng/ml
Pseudoephedrine	2.596	3121902	40273.08	16.4	263.14	1538068	97.1893 ng/ml
Quetiapine	5.541	930327	262356.54	59.9	477.67	140132	98.9467 ng/ml
Sertraline	5.769	190174	148.31	99.6	203235.81	79107	104.5086 ng/ml
Temazepam	5.816	2475933	2688.03	27.4	661.65	1209593	94.7686 ng/ml
Tramadol	4.246	3249660	2731.56	3.6	382.86	1742718	99.9055 ng/ml
Trazodone	5.142	820798	762762.57	80.9	37498.00	310102	98.0366 ng/ml
Venlafaxine	5.037	2819199	156156.37	36.4	689.61	1552805	94.9860 ng/ml
Zolpidem	4.901	2968325	105235.43	30.3	3829.33	1569719	101.9214 ng/ml

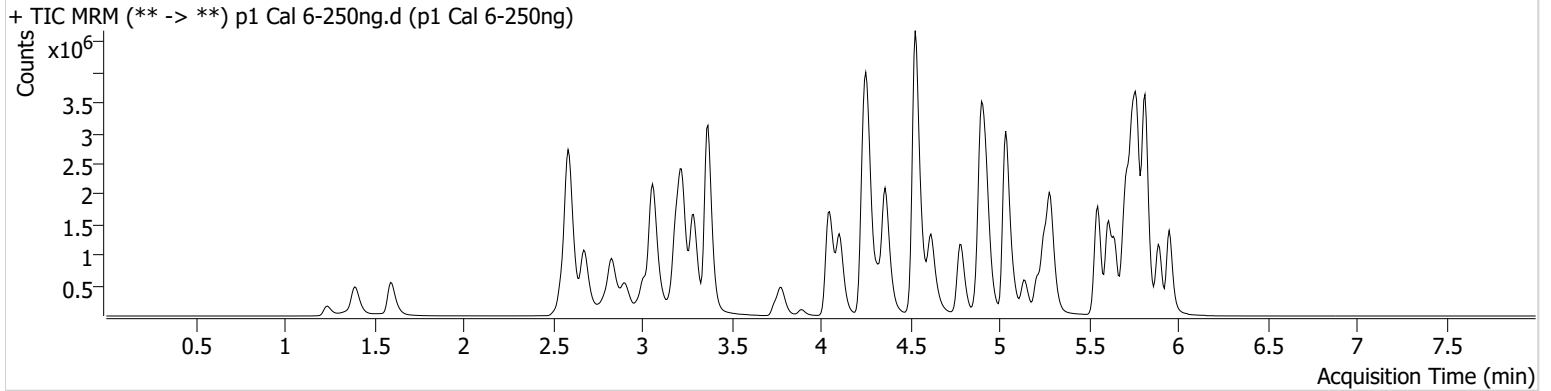
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 6-250ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 6-250ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-C12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/7/2021 3:08:32 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	74930	266.97	70.2	890.80	83470	24.2623 ng/ml
7-aminoclonazepam	4.271	426381	11095.83	77.8	2007.23	96052	248.3085 ng/ml
a-hydroxyalprazolam	5.692	576933	729.77	57.8	1058.20	339161	213.6333 ng/ml
alpha-PHP	4.930	803891	13738.86	267.8	179071.49	609722	251.4173 ng/ml
alpha-PVP	4.363	3512667	1919.98	52.2	15083.19	609722	250.9759 ng/ml
Alprazolam	5.775	2423770	2031.19	110.8	1353.01	339161	251.7926 ng/ml
Amphetamine	3.063	4677674	5298.59	49.9	921.52	238655	245.8529 ng/ml
Benzoylcegonine	3.892	114006	2794.44	7.9	834.86	17687	255.1112 ng/ml
Buprenorphine	5.799	20962	1919.04	14.8	4287.41	34063	26.2306 ng/ml
Bupropion	4.788	2063179	12576.65	62.4	724.91	291936	249.9577 ng/ml
Carisoprodol	5.724	1851518	2907513.83	58.4	12208.32	378455	250.5321 ng/ml
Citalopram	5.212	1048772	951.13	39.3	8908.80	186839	255.0479 ng/ml
Clonazepam	5.612	2601773	44943.27	32.2	35877.83	140343	248.2385 ng/ml
Clonazepam	5.548	1849914	87836.05	37.5	11364.80	140343	259.4728 ng/ml
Cocaine	4.257	2893725	2054.14	54.3	27705.66	1046734	247.4353 ng/ml
Codeine	2.573	308974	421.07	97.8	15485.76	69437	248.6774 ng/ml
Cyclobenzaprine	5.615	170034	472.76	8.6	995.70	29492	245.5701 ng/ml
Dextromethorphan	5.262	426890	284.29	80.7	538.26	88722	244.5720 ng/ml
Dextrophan	4.111	913944	536.88	208.8	85785.66	439457	245.4676 ng/ml
Diazepam	5.953	1566603	665.79	88.6	7827.32	304439	252.5865 ng/ml
Dihydrocodeine	2.545	903449	1521.94	68.9	1289.40	233469	257.1821 ng/ml
Diphenhydramine	5.289	2773373	45993.12	34.3	17385.06	724586	245.7456 ng/ml
Doxylamine	4.529	7431583	8336.44	95.6	6910.25	1258337	257.1847 ng/ml
EDDP	5.254	1558050	749.54	41.8	14710.01	341034	250.0778 ng/ml
Etizolam	5.813	1658018	19420.10	24.5	424519.92	140343	226.9396 ng/ml
Fentanyl	5.103	37000	260.34	64.7	∞	87517	24.8813 ng/ml
Flualprazolam	5.698	1087686	15889.04	102.4	1554.61	339161	254.6437 ng/ml
Fluoxetine	5.700	94415	2112.51	8.1	196.58	16827	252.1253 ng/ml
Hydrocodone	3.012	1282051	∞	40.2	1441.33	320986	252.0742 ng/ml
Hydromorphone	1.595	1011209	12945.18	79.2	11850.12	6744	248.8659 ng/ml
Ketamine	4.044	2884528	820.12	35.1	708.80	578810	251.4079 ng/ml
Lamotrigine	4.273	189176	2230.29	83.2	5471.38	578810	244.1978 ng/ml
Levetiracetam	2.676	1146622	2446.82	165.0	1791.06	1270921	244.3354 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1399708	4953.33	57.4	2016.23	140343	161.2921 ng/ml
MDA	3.196	3115239	11580.21	22.9	2951.99	345762	255.1151 ng/ml
MDMA	3.290	2498030	2674.63	80.3	11486.73	94827	248.7004 ng/ml
Meprobamate	4.917	1055382	47544.55	27.0	5328.83	203322	248.7500 ng/ml
Methadone	5.646	1309788	2649.92	49.8	20282.33	234058	247.7267 ng/ml
Methamphetamine	3.231	3880607	26600.50	37.0	1010.09	679218	251.9454 ng/ml
Metoprolol	4.326	675487	2428047.08	93.0	4608.25	1451643	247.5269 ng/ml
Mirtazapine	4.617	2058333	12526.48	50.5	9658.33	609722	231.8864 ng/ml
Mitragynine	5.230	160578	573928.86	38.5	1002.97	234058	244.4536 ng/ml
Morphine	1.240	149805	990.04	35.6	226.01	6744	249.6523 ng/ml
Norbuprenorphine	4.986	3269	113.26	97.3	189.54	6623	24.9802 ng/ml
Nordiazepam	5.893	1581202	622.31	55.9	1229.11	204980	252.9601 ng/ml
Norfentanyl	4.079	513589	703.83	34.8	1757.84	901604	24.6766 ng/ml
Norhydrocodone	3.059	148583	857.27	44.5	143.04	44706	253.8619 ng/ml
Noroxycodone	2.903	1182690	1504.80	43.1	1647.63	164665	248.9898 ng/ml
O-desmethyl-tramadol	3.369	6875277	21578.89	6.6	5990.03	1624057	255.8585 ng/ml
Oxazepam	5.749	2083262	5698.49	73.6	9464.41	376426	251.9242 ng/ml
Oxycodone	2.827	2736069	1742.12	27.5	2430.41	489527	250.7764 ng/ml
Oxymorphone	1.391	1164340	∞	43.8	574.49	169228	245.4537 ng/ml
Phentermine	3.783	1226746	2248.47	4.0	104.99	607655	252.3259 ng/ml
Promethazine	5.532	400782	611.27	27.8	335.80	71613	245.7459 ng/ml
Pseudoephedrine	2.596	6368183	86798.37	16.1	35432.46	1270921	240.2228 ng/ml
Quetiapine	5.541	1195168	1134.00	59.1	28737.58	72655	246.4381 ng/ml
Sertraline	5.769	33323	65.73	98.3	512.64	5854	248.4633 ng/ml
Temazepam	5.816	4491205	20073.74	27.2	1582.76	872001	237.3360 ng/ml
Tramadol	4.239	6694711	1492.74	3.5	414.79	1451643	248.2039 ng/ml
Trazodone	5.142	877514	1553.69	80.4	309.49	134046	243.2014 ng/ml
Venlafaxine	5.037	5750760	67389.95	35.7	∞	1194790	252.2321 ng/ml
Zolpidem	4.901	6382535	5424.57	29.3	7758.78	1323621	261.2721 ng/ml



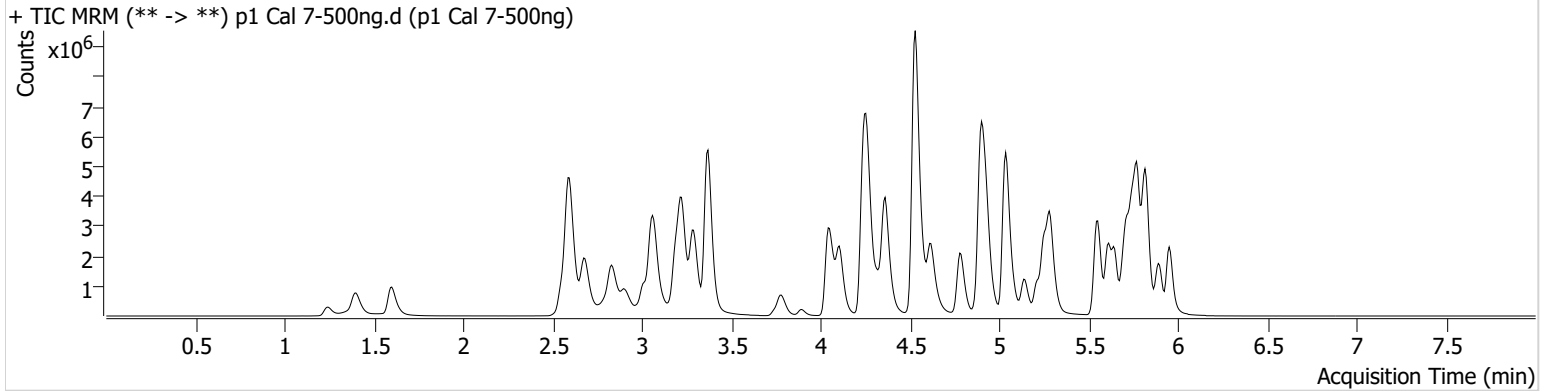
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-B12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/7/2021 3:19:09 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	156062	4044.58	68.0	1402.04	82471	51.1508 ng/ml
7-aminoclonazepam	4.271	842165	210.54	76.6	6117.87	90246	522.0521 ng/ml
a-hydroxyalprazolam	5.685	760513	669.58	59.4	2133.83	286646	334.0349 ng/ml
alpha-PHP	4.930	1441260	9523.11	268.4	9842.92	588319	468.2965 ng/ml
alpha-PVP	4.363	7065916	125480.37	51.5	958.03	588319	523.8022 ng/ml
Alprazolam	5.775	4320719	∞	110.0	1815.26	286646	531.5454 ng/ml
Amphetamine	3.063	7591365	5090.87	49.7	35887.03	209965	454.7054 ng/ml
Benzoylecgonine	3.892	248444	7096.03	7.8	∞	18804	524.8903 ng/ml
Buprenorphine	5.792	29852	27119.11	14.9	3661.45	26478	48.1633 ng/ml
Bupropion	4.781	3778899	3835.15	61.6	1167.68	260916	513.1146 ng/ml
Carisoprodol	5.724	2614942	9026.28	58.4	1865.28	259121	517.1961 ng/ml
Citalopram	5.212	1959678	21537.70	39.6	316.83	175203	508.9227 ng/ml
Clonazepam	5.612	4203535	99913.56	31.8	21714.40	115745	487.0916 ng/ml
Clonazepam	5.555	3079929	105066.79	38.1	18195.61	115745	524.5331 ng/ml
Cocaine	4.257	5506699	72828.65	53.5	59094.31	957115	515.3847 ng/ml
Codeine	2.573	519829	1156.52	98.7	∞	61680	472.6994 ng/ml
Cyclobenzaprine	5.615	437941	18796.91	8.5	525.34	36265	514.9692 ng/ml
Dextromethorphan	5.262	744058	573.65	79.6	504.09	73394	516.0748 ng/ml
Dextrophan	4.105	1729288	1108.89	206.7	89019.33	390311	523.6032 ng/ml
Diazepam	5.953	2896073	21317.57	87.5	4847.60	283840	501.5572 ng/ml
Dihydrocodeine	2.552	1710722	511.33	67.2	544.58	236291	482.7586 ng/ml
Diphenhydramine	5.289	4954353	55911.20	33.0	617.35	608493	523.3602 ng/ml
Doxylamine	4.529	15813926	75099.67	95.1	119791.86	1305899	527.9644 ng/ml
EDDP	5.254	3631876	53314.07	41.6	21241.24	384248	518.1218 ng/ml
Etizolam	5.813	2914453	12716.85	25.4	8312.85	115745	481.7581 ng/ml
Fentanyl	5.096	69076	306.98	68.2	159393.84	77409	52.6228 ng/ml
Flualprazolam	5.698	1803373	8492.69	102.6	17481.51	286646	500.5954 ng/ml
Fluoxetine	5.700	216889	6844.56	8.7	991.22	19263	506.5592 ng/ml
Hydrocodone	3.012	2434957	∞	38.7	1751.57	309356	498.0244 ng/ml
Hydromorphone	1.601	1928158	830805.45	78.3	7409896.36	6747	476.1848 ng/ml
Ketamine	4.044	5724908	1097.26	35.4	24867.06	563674	513.3552 ng/ml
Lamotrigine	4.280	322931	2369.77	82.3	2824.09	563674	429.3221 ng/ml
Levetiracetam	2.683	2100646	12069.22	164.6	6396.29	1099063	515.9025 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1518384	51064.35	55.7	1761.01	115745	212.6965 ng/ml
MDA	3.196	4816030	2999.85	22.8	4444.42	286996	476.4869 ng/ml
MDMA	3.290	4553805	125933.45	79.6	6182.88	83747	513.9815 ng/ml
Meprobamate	4.924	1508157	68763.08	27.0	12878.23	159624	454.3588 ng/ml
Methadone	5.646	2464001	57313.19	50.3	34501.08	214356	509.4718 ng/ml
Methamphetamine	3.224	6945723	56924.79	36.2	2974.69	626521	490.4910 ng/ml
Metoprolol	4.319	1229694	1507761.04	94.5	7816.60	1284488	510.4353 ng/ml
Mirtazapine	4.617	3599483	38932.23	50.2	6243.61	588319	422.3924 ng/ml
Mitragynine	5.230	279316	11735.01	39.4	516.28	214356	465.7963 ng/ml
Morphine	1.240	290386	562.29	38.1	1584.16	6747	484.4915 ng/ml
Norbuprenorphine	4.986	5140	308.93	102.8	43.02	5135	52.0420 ng/ml
Nordiazepam	5.893	2622270	23223.36	55.6	1041.48	171601	501.7672 ng/ml
Norfentanyl	4.079	1071613	21314.35	34.3	1198.46	872750	53.2056 ng/ml
Norhydrocodone	3.059	277372	625.70	42.4	∞	40418	524.1800 ng/ml
Noroxycodone	2.903	1983105	787.35	43.0	1204.73	132167	520.9045 ng/ml
O-desmethyl-tramadol	3.369	13956334	47230.07	6.4	4008.76	1575735	535.6916 ng/ml
Oxazepam	5.749	2504100	140.88	69.3	9589.76	224980	507.4262 ng/ml
Oxycodone	2.827	5402496	4272.91	27.7	1009.97	480019	505.8526 ng/ml
Oxymorphone	1.398	2204389	373.89	42.0	∞	154767	509.1467 ng/ml
Phentermine	3.783	2066286	∞	4.0	2935.70	549501	471.4288 ng/ml
Promethazine	5.532	1010941	25200.20	28.1	1364.47	87659	506.8854 ng/ml
Pseudoephedrine	2.596	12334204	248313.75	15.4	90947.96	1099063	538.2825 ng/ml
Quetiapine	5.541	2383121	1072.61	60.2	43602.18	70716	505.7585 ng/ml
Sertraline	5.769	93176	179.97	96.2	1625.72	8092	503.2958 ng/ml
Temazepam	5.823	6571750	27097.49	27.6	24127.43	598497	505.1467 ng/ml
Tramadol	4.239	12845944	4083.82	3.4	3187.75	1284488	539.1216 ng/ml
Trazodone	5.135	1854978	61404.69	79.9	712.82	128649	536.2712 ng/ml
Venlafaxine	5.037	11476661	150862.20	34.8	837.79	1126611	534.1177 ng/ml
Zolpidem	4.901	13012506	10208.52	29.0	5027.57	1378256	512.4055 ng/ml

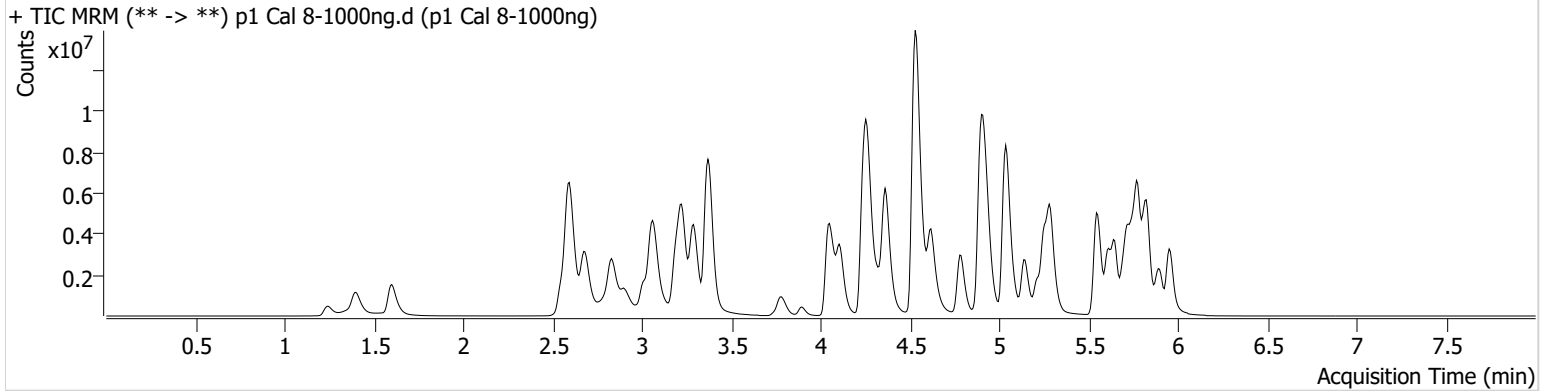
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\070721 AM 27 28 CS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 7/12/2021 10:05:00 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-A12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/7/2021 3:29:46 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	284686	13312.12	68.6	2088.29	76703	100.3324 ng/ml
7-aminoclonazepam	4.278	1158705	185.34	79.9	375.36	61776	1049.3413 ng/ml
a-hydroxyalprazolam	5.685	922874	1136.55	58.4	744.22	219305	530.6850 ng/ml
alpha-PHP	4.930	2157310	1098.21	269.7	2067.25	483351	854.2764 ng/ml
alpha-PVP	4.363	11617621	2849.04	51.2	1385.06	483351	1048.7928 ng/ml
Alprazolam	5.775	6377538	2703.60	108.8	2447.91	219305	1025.8788 ng/ml
Amphetamine	3.063	11024378	80826.35	48.4	26074.50	169346	819.8513 ng/ml
Benzoylecgonine	3.892	516567	1121.67	8.3	224071.01	19584	1049.7907 ng/ml
Buprenorphine	5.792	38331	974.41	15.2	3688.37	16616	98.6844 ng/ml
Bupropion	4.781	5397369	259706.13	61.3	1874.18	189937	1007.5419 ng/ml
Carisoprodol	5.724	3512543	614712.87	58.6	40413.90	168988	1065.6893 ng/ml
Citalopram	5.212	2986387	∞	39.4	68793.65	135969	1000.0269 ng/ml
Clonazepam	5.612	5828288	45335.61	31.4	53307.34	85122	919.0586 ng/ml
Clonazepam	5.555	4176375	246602.29	38.1	106601.66	85122	967.7488 ng/ml
Cocaine	4.257	8968579	68538.15	51.8	712.35	769153	1044.9249 ng/ml
Codeine	2.566	743860	1349.92	97.9	186.44	50549	826.7979 ng/ml
Cyclobenzaprine	5.615	815687	1515.70	8.7	1326.96	34485	1009.1889 ng/ml
Dextromethorphan	5.262	1173393	437.52	79.5	301.06	58323	1024.8385 ng/ml
Dextrophan	4.111	2642695	198883.45	212.0	22964.68	302435	1033.2413 ng/ml
Diazepam	5.953	4477137	482.54	89.5	53596.50	227094	969.8151 ng/ml
Dihydrocodeine	2.545	2752026	481.09	67.6	1131.05	227099	809.2742 ng/ml
Diphenhydramine	5.289	8086453	73843.05	33.0	950.44	495746	1049.0365 ng/ml
Doxylamine	4.529	25863267	183659.40	96.0	246975.68	1170747	963.6421 ng/ml
EDDP	5.254	6224669	105488.37	41.2	379.53	330200	1034.0504 ng/ml
Etizolam	5.813	4707703	6967.27	23.9	37885.69	85122	1056.0925 ng/ml
Fentanyl	5.096	136754	2614.06	65.7	1928.31	76376	105.6861 ng/ml
Flualprazolam	5.698	2541844	13145.49	104.3	5036.57	219305	923.1662 ng/ml
Fluoxetine	5.700	343484	10069.90	8.6	62.34	15918	971.4196 ng/ml
Hydrocodone	3.012	3925608	1078.26	41.4	595.80	276088	900.7114 ng/ml
Hydromorphone	1.601	3281741	12429.76	78.5	5362.67	5757	951.9017 ng/ml
Ketamine	4.044	9797804	175671.48	34.8	1947.67	506544	978.5251 ng/ml
Lamotrigine	4.280	471095	2907.33	83.8	4980.81	506544	697.9912 ng/ml
Levetiracetam	2.683	3539967	3903.09	165.1	5805.95	847417	1125.7339 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1549115	38218.76	56.5	7065.61	85122	295.7374 ng/ml
MDA	3.196	6982569	77209.63	22.4	1418.95	225125	882.0092 ng/ml
MDMA	3.290	7488505	15798.77	79.7	42354.99	69968	1012.2358 ng/ml
Meprobamate	4.924	1934560	15500.58	26.4	11390.06	112837	826.0492 ng/ml
Methadone	5.646	4212727	44076.58	49.5	25184.76	181073	1031.7457 ng/ml
Methamphetamine	3.224	9770531	7992.53	36.1	1533.14	489642	884.2288 ng/ml
Metoprolol	4.326	1844910	8157.52	94.1	62826.44	1091101	902.3954 ng/ml
Mirtazapine	4.617	6401528	2367.77	49.8	127005.79	483351	917.4010 ng/ml
Mitragynine	5.230	448610	1152.53	39.1	7163.81	181073	887.1327 ng/ml
Morphine	1.240	508798	4237.85	35.5	761.73	5757	995.7627 ng/ml
Norbuprenorphine	4.986	7810	132.46	100.1	7713.67	4057	101.3439 ng/ml
Nordiazepam	5.900	3734232	302289.77	55.2	38019.64	125524	977.4614 ng/ml
Norfentanyl	4.079	1817006	52603.55	34.3	9657.16	693195	113.5969 ng/ml
Norhydrocodone	3.059	443458	302.07	45.8	257.56	33921	998.5582 ng/ml
Noroxycodone	2.903	2814906	449.58	44.4	415.69	98142	996.3617 ng/ml
O-desmethyl-tramadol	3.369	21925726	226018.85	6.9	14008.01	1329879	997.4756 ng/ml
Oxazepam	5.749	2264052	6629.54	72.2	6463.90	110922	931.1697 ng/ml
Oxycodone	2.827	9603704	1634.44	27.0	570.63	442303	976.7053 ng/ml
Oxymorphone	1.398	3618318	∞	43.3	405.81	131542	984.1644 ng/ml
Phentermine	3.783	3043151	∞	4.0	3202.27	463532	824.3183 ng/ml
Promethazine	5.532	1789092	141294.87	28.3	2589.36	80188	981.0449 ng/ml
Pseudoephedrine	2.596	19213167	213155.59	15.2	71458.51	847417	1087.6940 ng/ml
Quetiapine	5.541	4702646	6717.35	59.2	120665.16	70273	1005.1526 ng/ml
Sertraline	5.769	153838	3095.58	98.9	214.10	6865	980.1305 ng/ml
Temazepam	5.830	7723535	29979.88	27.5	7444.82	349480	1015.9491 ng/ml
Tramadol	4.239	19414109	8155.87	3.5	601.07	1091101	959.7771 ng/ml
Trazodone	5.142	4248278	2201.14	82.3	6370.38	150635	1049.3907 ng/ml
Venlafaxine	5.037	19012232	404832.09	35.3	79593.01	942460	1057.9546 ng/ml
Zolpidem	4.901	21638096	10077.66	30.6	342807.68	1288494	912.1115 ng/ml