

**REVIEWED**

By Tamara Salazar at 11:38 am, Sep 15, 2021

9/8/2021

**Worklist: 5228**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-3323	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3381	5	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3400	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3457	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3510	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3511	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3515	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3637	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3690	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3812	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3865	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2841	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2860	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2861	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2863	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2874	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2906	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2916	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2917	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2923	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2929	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 5228**

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-2930	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2021-2934	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 09/08/21  
Plate lot#: IDP-121-210610

Analyst: Sarah Collins  
Retest Date: 12/10/2021

**Mobile phase A:** 5mM Amm Form + 0.01% FA  
0.5M Ammonium Hydroxide

**Blank Blood Lot:** Lampire 20L20724  
**LCMS-QQQ ID:** 069901

**Mobile phase B:** 0.01% Formic Acid in MeOH  
Ethyl Acetate 20% Methanol in Water

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

### Pre-Analytic:

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

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #16**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250 µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300 µL of blood+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 **900 µL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 10-15 seconds. **(12-15 PSI- Selector to the left).**
- 12. Add **900 µL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. **(12-15 PSI- Selector to the left).**
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100 µL 20% LCMS MeOH in water** and heat seal plate with foil. Place in autosampler and run worklist.

### Post-Analytic

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

COMMENTS: *Curves limited: Alpha-hydroxyalprazolam 5-250, Amphetamine 5-500, Lamotrigine 5-100, Levetiracetam 5-100, Lorazepam 5-100, Meprobamate 5-500, Mitragnine 5-500, Norbuprenorphine 2.5-100, Norhydrocodone 5-500*

*Did not evaluate Mirtazapine*

*Alprazolam-D5 used as alpha-hydroxyalprazolam ISTD and thus reported qualitatively*

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	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			p2021-2860-1	m2021-3515-1	m2021-3323-1	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2			IS + Cal. 2	IS + QC_2			m2021-3812-2	p2021-2874-1	m2021-3381-5	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3			IS + Cal. 3	IS + QC_3			m2021-3865-3	m2021-3510-1	negative blood	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4			IS + Cal. 4	IS + QC_4		p2021-2929-1	p2021-2934-1	p2021-2863-1	IS + QC_2 urine	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2			IS + Cal. 5	IS + QC_2 urine		p2021-2861-1	m2021-3690-1	m2021-3457-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6				IS + Cal. 6			p2021-2930-1	p2021-2916-1	p2021-2841-1	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7				IS + Cal. 7			p2021-2917-1	m2021-3637-1	m2021-3400-1	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8				IS + Cal. 8			p2021-2906-1	p2021-2923-1	m2021-3511-1	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

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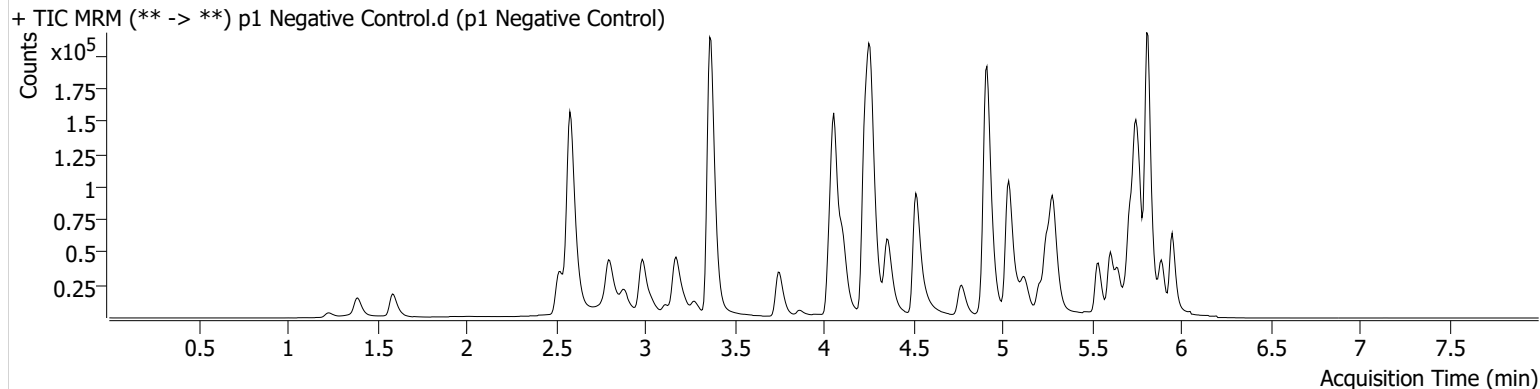


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Control.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Control
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-C11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2021 8:31:04 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



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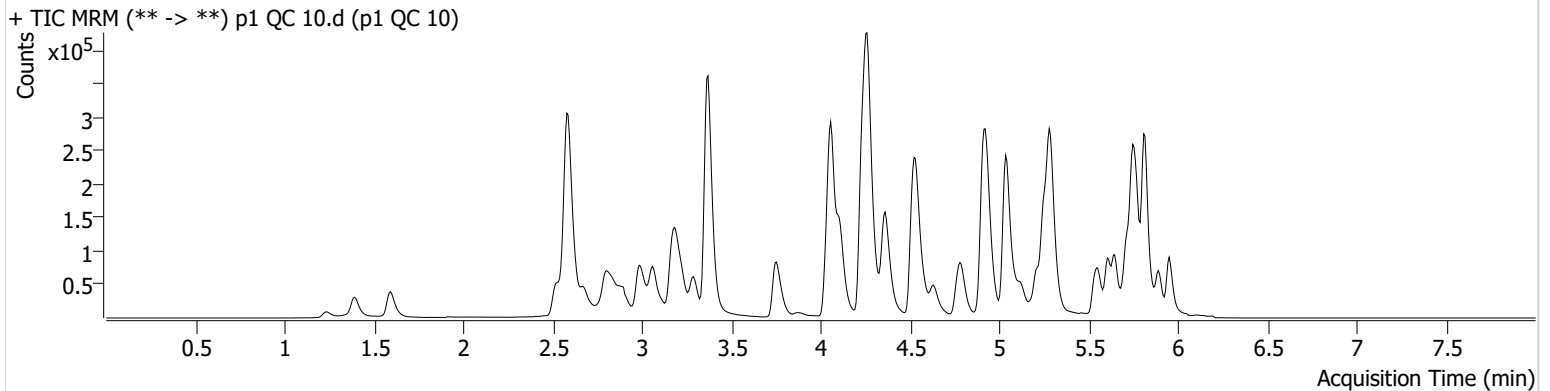


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-H11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2021 7:16:47 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	1506	282.29	76.6	2611.63	24912	1.0080 ng/ml
7-aminoclonazepam	4.271	23211	95.32	81.7	250.60	100153	11.2375 ng/ml
a-hydroxyalprazolam	5.699	15399	318.64	60.6	134.97	122655	10.1936 ng/ml
alpha-PPH	4.937	22007	464.99	272.3	1045.67	335425	11.1166 ng/ml
alpha-PVP	4.370	90796	406.88	48.4	1769.31	335425	10.7549 ng/ml
Alprazolam	5.775	55065	956.40	111.0	1263.69	122655	10.4173 ng/ml
Amphetamine	3.063	132858	1055.42	50.7	3137.79	86093	10.7971 ng/ml
Benzoylecgonine	3.892	3418	79.63	7.9	63.53	10171	11.2335 ng/ml
Buprenorphine	5.880	914	156.26	15.6	405.10	30018	0.9273 ng/ml
Bupropion	4.795	71198	167.77	57.1	329.28	185462	10.9036 ng/ml
Carisoprodol	5.724	35751	216.43	49.2	540.12	164920	10.8168 ng/ml
Citalopram	5.212	32909	77.72	44.9	24420.62	135569	10.7634 ng/ml
Clonazepam	5.612	70151	122.35	31.8	333.61	60795	11.5187 ng/ml
Clonazepam	5.549	32404	2667.78	36.8	10470.48	60795	10.8723 ng/ml
Cocaine	4.264	90826	188.29	45.7	328.88	597129	10.9641 ng/ml
Codeine	2.573	11077	1069.27	101.3	38738.91	42773	10.9422 ng/ml
Cyclobenzaprine	5.622	7436	323.31	11.7	47.38	21425	11.4295 ng/ml
Dextromethorphan	5.262	15035	1883.30	79.2	2256.00	64640	10.7864 ng/ml
Dextrophan	4.112	19165	39105.96	214.0	813.67	242084	10.5802 ng/ml
Diazepam	5.960	33013	830.70	90.3	555.17	142936	11.1999 ng/ml
Dihydrocodeine	2.552	28704	93.98	63.0	211.70	137868	10.8851 ng/ml
Diphenhydramine	5.289	68497	4062.87	33.9	109.63	546661	10.3639 ng/ml
Doxylamine	4.536	173755	1508.37	99.9	1367.20	618961	10.7051 ng/ml
EDDP	5.254	59039	90.21	43.7	121.12	308231	10.8034 ng/ml
Etizolam	5.813	29571	15743.45	28.4	531.74	60795	11.5759 ng/ml
Fentanyl	5.109	1247	1689.77	62.0	447.59	57819	1.1879 ng/ml
Flualprazolam	5.705	13511	763.98	111.2	871.90	122655	10.4965 ng/ml
Fluoxetine	5.707	5522	546.14	7.4	58.02	19542	12.1688 ng/ml
Hydrocodone	3.012	31202	179.68	38.1	94.39	172861	11.1380 ng/ml
Hydromorphone	1.601	30200	749.59	73.6	3863.90	85616	11.0485 ng/ml
Ketamine	4.059	80074	4269.93	41.6	227.16	325704	11.0132 ng/ml
Lamotrigine	4.280	5766	521.12	85.4	661.83	325704	11.5572 ng/ml
Levetiracetam	2.676	33191	415.59	158.9	978.64	815303	10.2842 ng/ml

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# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	70344	1390.97	49.4	93.45	60795	11.4937 ng/ml
MDA	3.203	100226	1030.22	16.6	238.01	150178	10.9256 ng/ml
MDMA	3.290	76621	1117.41	55.1	401.24	57387	10.6658 ng/ml
Meprobamate	4.917	15382	28106.72	27.0	154.81	61151	11.6315 ng/ml
Methadone	5.646	35377	2419.35	47.7	100.79	133998	10.4402 ng/ml
Methamphetamine	3.231	49475	408.13	42.5	274.59	236404	11.1974 ng/ml
Metoprolol	4.326	14749	10571.64	89.5	567.88	734453	11.2898 ng/ml
** Mirtazapine	<del>4.631</del>	<del>71775</del>	<del>1647.95</del>	<del>45.7</del>	<del>1138.84</del>	<del>335425</del>	<del>10.0252 ng/ml</del>
Mitragynine	5.237	5763	7520.77	38.5	3394.21	133998	10.6989 ng/ml
Morphine	1.240	4815	1164.15	19.0	21.03	5522	11.5039 ng/ml
Nordiazepam	5.900	31055	900.90	60.4	337.22	84550	10.7645 ng/ml
Norfentanyl	4.086	15052	280.33	39.3	108.69	565105	1.0495 ng/ml
Norhydrocodone	3.060	2457	25.80	41.2	59.98	19377	11.6259 ng/ml
Noroxycodone	2.903	33269	870.96	41.7	366.00	86529	10.8956 ng/ml
O-desmethyl-tramadol	3.369	174752	6879.57	6.4	165.51	920965	10.7127 ng/ml
Oxazepam	5.756	63771	1295.19	76.7	94.36	281412	10.6810 ng/ml
Oxycodone	2.827	68833	238.03	29.7	409.24	246572	10.5607 ng/ml
Oxymorphone	1.391	26788	249.60	44.6	98.64	73671	10.5099 ng/ml
Phentermine	3.790	24953	312.97	3.1	22.44	260364	10.9550 ng/ml
Promethazine	5.538	19672	69.76	28.5	72.59	80736	10.7207 ng/ml
Pseudoephedrine	2.596	181135	556.40	13.9	842.42	815303	10.5276 ng/ml
Quetiapine	5.562	35647	2860.02	59.3	972.43	42567	10.9025 ng/ml
Sertraline	5.776	2896	69.01	93.8	46.10	9723	11.3290 ng/ml
Temazepam	5.816	94415	304.64	30.2	80.47	480149	10.5896 ng/ml
Tramadol	4.246	169964	15844.84	3.4	34.03	734453	10.8151 ng/ml
Trazodone	5.183	28891	3277.23	78.0	2074.60	95419	11.0959 ng/ml
Venlafaxine	5.037	116567	9456.21	36.8	99.75	587130	10.6289 ng/ml
Zolpidem	4.935	158208	609.34	31.3	9364.97	705863	10.9119 ng/ml

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# AM #28 Multi-Drug Quant. Results

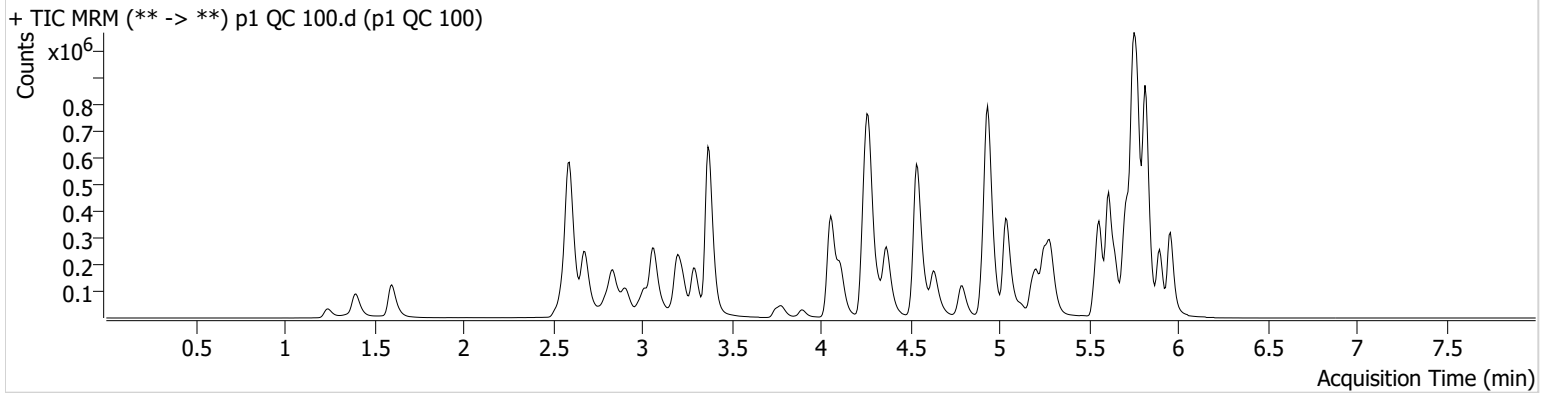
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**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

<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>	Sarah Collins
<b>Sample Position</b>	P2-G11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/9/2021 1:06:39 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	11231	402.26	71.8	2299.14	17608	10.8995 ng/ml
7-aminoclonazepam	4.278	180646	8896.32	85.3	8979.08	84527	109.1007 ng/ml
a-hydroxyalprazolam	5.699	160776	808.81	62.4	936.08	108314	123.6943 ng/ml
alpha-PHP	4.937	81787	1367.28	269.3	69937.47	156970	102.5803 ng/ml
alpha-PVP	4.370	400089	68331.65	49.8	5983.07	156970	107.4643 ng/ml
Alprazolam	5.775	483581	1529.20	107.9	2074.67	108314	112.4924 ng/ml
Amphetamine	3.069	526946	2394.58	50.6	591.17	35412	116.5283 ng/ml
Benzoylcegonine	3.892	37471	690.41	7.8	46.22	9294	142.9139 ng/ml
Buprenorphine	5.887	3364	86.44	15.1	832.82	11522	10.1433 ng/ml
Bupropion	4.795	209267	335.93	57.8	429.55	59826	106.4446 ng/ml
Carisoprodol	5.724	315573	54271.33	48.6	4338.29	145222	111.1469 ng/ml
Citalopram	5.212	159355	62883.09	44.0	180177.16	67250	110.3827 ng/ml
Clonazepam	5.612	711324	1267.45	32.1	306.96	64191	118.1164 ng/ml
Clonazepam	5.548	282724	489583.51	38.3	145351.19	64191	97.3882 ng/ml
Cocaine	4.264	512839	639.64	46.7	245.47	349830	111.6838 ng/ml
Codeine	2.580	73060	4156.29	108.6	1583.25	30810	116.6454 ng/ml
Cyclobenzaprine	5.622	78576	459.50	9.7	124.34	24279	110.2056 ng/ml
Dextromethorphan	5.262	63941	190133.44	80.6	395.94	27798	112.1399 ng/ml
Dextrophan	4.111	96154	848.74	210.1	1033.66	121429	111.8701 ng/ml
Diazepam	5.960	333386	7834.67	86.9	2270.02	145225	117.1153 ng/ml
Dihydrocodeine	2.559	201569	749.04	61.9	628.15	98908	121.4673 ng/ml
Diphenhydramine	5.289	263429	519.11	32.8	197.16	209427	110.1556 ng/ml
Doxylamine	4.536	896959	43421.85	98.9	118027.30	334184	108.3928 ng/ml
EDDP	5.254	258670	8161.18	44.1	6054.07	139840	109.7741 ng/ml
Etizolam	5.813	255587	6563.66	28.6	133711.80	64191	90.5922 ng/ml
Fentanyl	5.109	6401	199.51	58.7	22.64	31604	11.6803 ng/ml
Flualprazolam	5.705	115963	8903.09	112.9	5724.82	108314	111.2134 ng/ml
Fluoxetine	5.707	75861	414.36	9.4	908.97	30807	113.2725 ng/ml
Hydrocodone	3.018	207466	398.66	37.5	82.57	120801	116.3542 ng/ml
Hydromorphone	1.601	217741	1853.63	73.5	1091171.14	62355	116.4846 ng/ml
Ketamine	4.059	478540	634.88	41.9	335.41	202931	114.0746 ng/ml
Lamotrigine	4.280	50189	577.26	81.6	3785.23	202931	177.8868 ng/ml
Levetiracetam	2.683	273175	4203.38	154.5	3426.90	524520	137.9911 ng/ml



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# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	598410	3752.14	53.0	290.21	64191	100.2618 ng/ml
MDA	3.203	447163	2203.79	16.2	912.66	68514	118.5910 ng/ml
MDMA	3.296	345009	195918.99	55.0	2064.56	26437	110.6880 ng/ml
Meprobamate	4.917	125886	10056.54	24.5	2649.35	54191	120.1228 ng/ml
Methadone	5.653	184286	4281.78	46.2	355.24	70154	109.0304 ng/ml
Methamphetamine	3.238	140862	3255.84	43.9	159.46	75554	113.2603 ng/ml
Metoprolol	4.333	78541	89258.72	92.5	2558.78	449986	107.8183 ng/ml
** Mirtazapine	<del>4.637</del>	<del>297962</del>	<del>24496.91</del>	<del>45.5</del>	<del>547.37</del>	<del>156970</del>	<del>88.6792 ng/ml</del>
Mitragynine	5.237	26221	46682.71	39.4	207.05	70154	102.1290 ng/ml
Morphine	1.247	33291	689.96	20.4	129.73	4199	113.4883 ng/ml
Norbuprenorphine	4.992	328	408.81	79.9	487.18	1146	12.0093 ng/ml
Nordiazepam	5.900	296444	937.16	60.8	1985.03	83010	111.2774 ng/ml
Norfentanyl	4.086	89391	4850.79	37.0	156.60	339490	10.6065 ng/ml
Norhydrocodone	3.066	13303	94.50	41.6	88.32	11660	104.2190 ng/ml
Noroxycodone	2.909	220219	1581.89	42.0	502.66	58757	113.5129 ng/ml
O-desmethyl-tramadol	3.376	1219107	37458.71	6.3	504.84	652140	110.5970 ng/ml
Oxazepam	5.756	570431	16056.23	74.6	5099.52	252190	113.6582 ng/ml
Oxycodone	2.834	481103	4196.41	28.9	1309.08	174603	111.1300 ng/ml
Oxymorphone	1.398	195076	∞	43.6	∞	52898	115.6052 ng/ml
Phentermine	3.790	92466	232.72	2.5	109.51	102377	115.4970 ng/ml
Promethazine	5.538	182162	40708.54	28.8	2170.15	80425	106.3782 ng/ml
Pseudoephedrine	2.596	1158619	37533.55	13.6	962.99	524520	108.8022 ng/ml
Quetiapine	5.562	277970	369956.33	59.5	2712.15	32530	116.4803 ng/ml
Sertraline	5.776	49506	1358.03	96.8	71915.67	18345	112.1465 ng/ml
Temazepam	5.823	918612	1134.04	30.9	353.31	466150	109.5667 ng/ml
Tramadol	4.246	975321	1359.79	3.5	271.81	449986	110.1289 ng/ml
Trazodone	5.183	233496	64977.30	78.4	124272.49	79000	114.2075 ng/ml
Venlafaxine	5.037	593618	39555.43	38.1	387.24	304895	109.6937 ng/ml
Zolpidem	4.935	1325585	52362.04	31.7	27431.83	611215	112.6620 ng/ml

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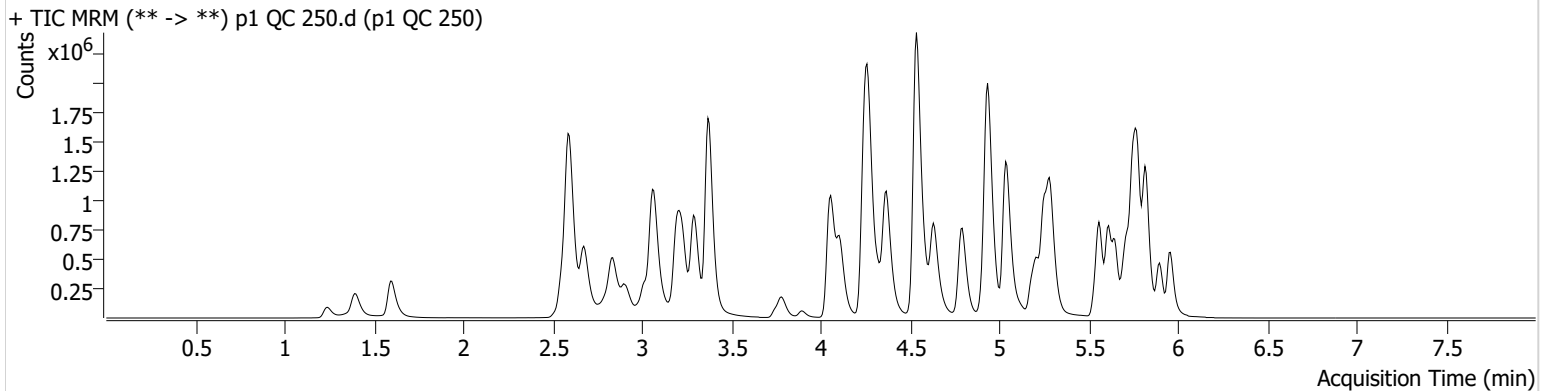


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-F11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2021 7:38:00 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	37627	530.83	69.2	712.01	23954	26.8817 ng/ml
7-aminoclonazepam	4.278	388402	7705.14	83.3	8862.26	70479	282.3825 ng/ml
a-hydroxyalprazolam	5.692	235908	572.97	60.3	249.12	96259	204.4194 ng/ml
alpha-PPH	4.937	442917	2388.60	266.7	11086.20	300448	294.0012 ng/ml
alpha-PVP	4.370	1958245	2660.09	50.0	37429.60	300448	275.9480 ng/ml
Alprazolam	5.775	1042332	1601.58	108.9	∞	96259	274.2555 ng/ml
Amphetamine	3.069	2485728	1833.06	50.7	15770.11	73256	267.5579 ng/ml
Benzoylcegonine	3.892	75172	261.30	7.6	571.42	9845	271.3315 ng/ml
Buprenorphine	5.887	16687	10050.92	12.2	3212.38	21603	27.0779 ng/ml
Bupropion	4.795	1477039	1443.63	58.5	1041.42	164224	275.0694 ng/ml
Carisoprodol	5.724	588290	546915.26	48.8	731.86	110938	271.6663 ng/ml
Citalopram	5.212	622650	19335.56	43.1	1321.16	105556	275.6852 ng/ml
Clonazepam	5.612	1248169	2603.55	31.5	718.15	47705	280.0728 ng/ml
Clonazepam	5.549	604026	38830.78	38.1	296203.06	47705	281.9164 ng/ml
Cocaine	4.264	1862835	1237.50	46.5	643.08	525334	271.1380 ng/ml
Codeine	2.573	202362	578.40	104.7	1501.99	35954	279.6315 ng/ml
Cyclobenzaprine	5.615	133827	6329.12	10.1	701.79	16334	279.6597 ng/ml
Dextromethorphan	5.262	289090	10885.29	79.7	310.00	51655	273.7285 ng/ml
Dextrophan	4.111	431201	1152.63	206.4	1654.54	217097	281.6164 ng/ml
Diazepam	5.960	684755	3027.36	87.9	∞	123850	282.9775 ng/ml
Dihydrocodeine	2.552	618147	403.01	62.3	518.19	135017	274.9953 ng/ml
Diphenhydramine	5.289	1422020	3142.16	32.6	7273.34	453128	275.8382 ng/ml
Doxylamine	4.536	4049304	162799.78	99.0	231795.59	599104	274.0261 ng/ml
EDDP	5.254	1310160	63795.85	42.5	366.39	286735	272.0880 ng/ml
Etizolam	5.813	569637	7205.31	28.0	21164.45	47705	270.5234 ng/ml
Fentanyl	5.109	21766	2776.36	59.3	20393.32	43585	28.8930 ng/ml
Flualprazolam	5.705	251924	5366.09	115.2	9540.77	96259	273.3886 ng/ml
Fluoxetine	5.707	92934	22610.22	9.0	63480.34	15826	271.4132 ng/ml
Hydrocodone	3.012	650411	3971.29	37.8	184.79	162500	272.7894 ng/ml
Hydromorphone	1.601	621124	3371.69	73.4	956980.04	73621	282.5644 ng/ml
Ketamine	4.051	1773348	776.87	41.1	826.41	311376	276.8931 ng/ml
* Lamotrigine	<del>4.280</del>	<del>108010</del>	<del>1804.39</del>	<del>81.6</del>	<del>10503.56</del>	<del>311376</del>	<del>250.0046 ng/ml</del>
* Levetiracetam	<del>2.676</del>	<del>660539</del>	<del>9667.75</del>	<del>154.9</del>	<del>28702.21</del>	<del>706785</del>	<del>248.0520 ng/ml</del>

p1 QC 250

\*Outside curve range

Generated at 1:26 PM on 9/9/2021

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* <del>Lorazepam</del>	<del>5.747</del>	<del>821426</del>	<del>21395.78</del>	<del>51.6</del>	<del>445.48</del>	<del>47705</del>	<del>186.1087 ng/ml</del>
MDA	3.203	1840326	6322.16	15.7	2764.81	122545	274.6156 ng/ml
MDMA	3.296	1684824	4245.00	54.7	6428.83	51833	276.7931 ng/ml
Meprobamate	4.917	236440	10466.69	25.1	∞	48851	251.9471 ng/ml
Methadone	5.653	759211	11801.27	45.6	3959.00	117495	269.0373 ng/ml
Methamphetamine	3.231	844079	746.29	43.1	9831.56	190123	272.0667 ng/ml
Metoprolol	4.326	309669	248647.52	92.8	6135.70	657913	292.8917 ng/ml
** <del>Mirtazapine</del>	<del>4.631</del>	<del>1448558</del>	<del>6886.22</del>	<del>45.8</del>	<del>1022.41</del>	<del>300448</del>	<del>225.1883 ng/ml</del>
Mitragynine	5.237	92153	69630.60	40.7	882.44	117495	215.6203 ng/ml
Morphine	1.240	96622	2901.81	20.2	222.75	4858	286.3832 ng/ml
Norbuprenorphine	4.986	1409	664.96	80.8	60.38	2268	26.0349 ng/ml
Nordiazepam	5.900	617317	∞	59.7	2392.24	70235	274.9822 ng/ml
Norfentanyl	4.086	327549	4435.20	37.5	449.24	489738	26.9815 ng/ml
Norhydrocodone	3.059	47688	239.97	43.9	∞	14320	304.1134 ng/ml
Noroxycodone	2.909	608202	1590.33	43.7	413.69	66123	279.7946 ng/ml
O-desmethyl-tramadol	3.369	4061468	148085.22	6.2	49004.33	875281	275.3694 ng/ml
Oxazepam	5.756	901194	12948.11	74.3	2179.70	165017	275.5296 ng/ml
Oxycodone	2.834	1556869	1422.98	28.4	1033.98	232805	270.8235 ng/ml
Oxymorphone	1.391	549814	∞	42.3	∞	59732	290.0275 ng/ml
Phentermine	3.783	483700	2737.96	2.3	243.66	228156	273.0625 ng/ml
Promethazine	5.538	374166	22657.12	28.1	294.78	66279	266.3447 ng/ml
Pseudoephedrine	2.596	3873733	78803.12	13.6	520.11	706785	270.6461 ng/ml
Quetiapine	5.562	740155	38293.34	59.7	29983.42	36739	275.3870 ng/ml
Sertraline	5.776	51365	1648.47	96.0	1685.75	7567	283.8718 ng/ml
Temazepam	5.823	1568863	39494.24	30.7	847.76	317601	275.2224 ng/ml
Tramadol	4.246	3632112	1307.79	3.4	574.71	657913	282.1405 ng/ml
Trazodone	5.183	569056	42261.29	78.9	141222.90	78842	279.8632 ng/ml
Venlafaxine	5.037	2644715	2968990.17	37.4	1193.54	544847	274.4085 ng/ml
Zolpidem	4.935	3353951	1704.71	30.8	713.30	645499	271.0522 ng/ml

\*\*DNE

# AM #28 Multi-Drug Quant. Results

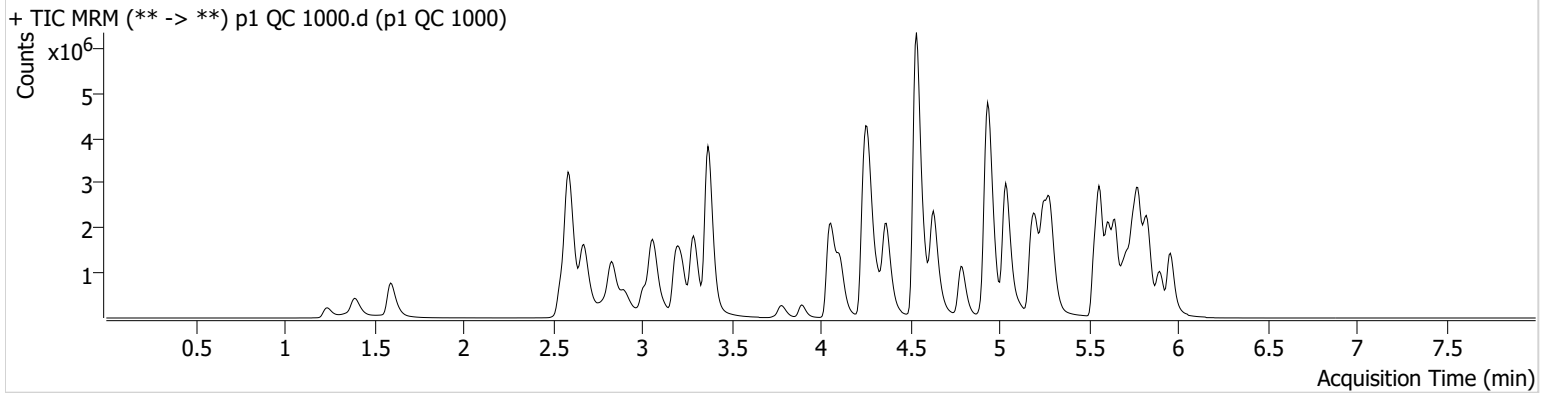
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

<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>	Sarah Collins
<b>Sample Position</b>	P2-E11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2021 7:59:12 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	108313	2139.97	71.9	1353.83	16560	112.0251 ng/ml
7-aminoclonazepam	4.278	855961	33009.78	85.1	12030.25	39234	1119.8678 ng/ml
* <del>a-hydroxyalprazolam</del>	<del>5.685</del>	<del>476865</del>	<del>1701.18</del>	<del>61.1</del>	<del>781.75</del>	<del>63095</del>	<del>631.0217 ng/ml</del>
alpha-PHP	4.937	738520	3090.81	273.6	97980.41	157101	942.0286 ng/ml
alpha-PVP	4.370	4064288	1522.06	49.6	1832.66	157101	1097.4954 ng/ml
Alprazolam	5.775	2585102	∞	106.7	6730.66	63095	1040.4801 ng/ml
* <del>Amphetamine</del>	<del>3.063</del>	<del>4068361</del>	<del>5261.33</del>	<del>50.7</del>	<del>51361.43</del>	<del>32744</del>	<del>983.5407 ng/ml</del>
Benzoylcegonine	3.892	402077	25786.70	7.7	535.87	9932	1441.8022 ng/ml
Buprenorphine	5.887	46680	14605.58	12.9	7470.12	15515	105.8868 ng/ml
Bupropion	4.788	2213250	1383.44	58.7	36480.26	65604	1034.1916 ng/ml
Carisoprodol	5.730	1158535	34325.46	48.6	67509.12	51868	1145.2586 ng/ml
Citalopram	5.212	1925745	160608.36	43.2	874340.73	81608	1104.6740 ng/ml
Clonazepam	5.612	2980866	72228.48	32.2	40767.38	31688	1009.2132 ng/ml
Clonazepam	5.549	1301428	2751.85	37.8	647266.37	31688	916.7679 ng/ml
Cocaine	4.264	4391865	13264.32	46.0	1582.86	299871	1122.0462 ng/ml
Codeine	2.566	424969	885.65	99.2	1196.76	22841	929.0081 ng/ml
Cyclobenzaprine	5.615	1113704	3348.07	10.1	713.29	35619	1068.4963 ng/ml
Dextromethorphan	5.262	825083	1511.91	79.9	558.75	36651	1102.9201 ng/ml
Dextrophan	4.112	963345	27786.55	211.5	33381.76	122163	1120.0804 ng/ml
Diazepam	5.960	2083648	2344.24	88.1	21083.81	96956	1101.7875 ng/ml
Dihydrocodeine	2.545	1496235	852.06	63.3	929.83	100931	894.2209 ng/ml
Diphenhydramine	5.289	3651681	537889.68	33.0	847.04	290666	1106.2843 ng/ml
Doxylamine	4.536	11276043	411251.02	98.3	144236.55	410777	1115.0810 ng/ml
EDDP	5.254	3468458	1492.03	42.9	848.66	190431	1086.4626 ng/ml
Etizolam	5.813	1621500	6899.60	27.9	25764.21	31688	1157.3857 ng/ml
Fentanyl	5.109	108258	4791.21	63.1	90090.64	55296	113.4503 ng/ml
Flualprazolam	5.705	598840	422.21	116.8	58755.35	63095	994.2217 ng/ml
Fluoxetine	5.707	629540	19697.15	8.8	2466.39	26498	1100.9831 ng/ml
Hydrocodone	3.012	1705326	992.30	38.2	380.94	115082	1013.2337 ng/ml
Hydromorphone	1.595	1728725	5062820.57	74.1	6168457.35	51886	1118.2193 ng/ml
Ketamine	4.051	4474718	207792.87	40.9	15842.93	203488	1071.9410 ng/ml
* <del>Lamotrigine</del>	<del>4.287</del>	<del>264527</del>	<del>1463.39</del>	<del>83.3</del>	<del>1783.99</del>	<del>203488</del>	<del>940.3951 ng/ml</del>
* <del>Levetiracetam</del>	<del>2.676</del>	<del>1934605</del>	<del>39867.07</del>	<del>156.1</del>	<del>20054.45</del>	<del>415054</del>	<del>1239.3132 ng/ml</del>

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	<del>5.747</del>	<del>979403</del>	<del>18055.83</del>	<del>52.8</del>	<del>680.37</del>	<del>31688</del>	<del>334.9259 ng/ml</del>
MDA	3.196	3665844	16959.52	15.3	6000.92	66467	1012.1242 ng/ml
MDMA	3.290	3873530	193752.69	53.2	3025.42	29292	1128.3080 ng/ml
* Meprobamate	<del>4.911</del>	<del>491625</del>	<del>127687.14</del>	<del>24.6</del>	<del>2878.75</del>	<del>36251</del>	<del>708.7250 ng/ml</del>
Methadone	5.653	2684578	128541.60	46.8	30929.71	102051	1097.0577 ng/ml
Methamphetamine	3.231	1253518	1200.21	43.4	916.56	75891	1016.8422 ng/ml
Metoprolol	4.326	695036	824407.94	92.4	264322.13	399170	1086.8949 ng/ml
** Mirtazapine	<del>4.631</del>	<del>4550030</del>	<del>369181.40</del>	<del>45.4</del>	<del>95965.13</del>	<del>157101</del>	<del>1352.5850 ng/ml</del>
* Mitragynine	<del>5.237</del>	<del>338292</del>	<del>503092.99</del>	<del>41.2</del>	<del>847.90</del>	<del>102051</del>	<del>915.1710 ng/ml</del>
Morphine	1.240	273226	11038.90	19.6	635.19	3419	1153.9430 ng/ml
Norbuprenorphine	4.992	3972	5525.28	80.0	74.79	1264	131.6757 ng/ml
Nordiazepam	5.900	1588472	523.42	60.2	297.31	45898	1084.9939 ng/ml
Norfentanyl	4.079	859852	2141.36	36.9	5928.00	293550	118.2548 ng/ml
* Norhydrocodone	<del>3.059</del>	<del>139577</del>	<del>590.73</del>	<del>42.6</del>	<del>136.70</del>	<del>9373</del>	<del>1359.7414 ng/ml</del>
Noroxycodone	2.903	1308974	1280.46	43.9	457.83	35056	1138.3750 ng/ml
O-desmethyl-tramadol	3.369	11175602	206634.57	5.9	∞	570596	1164.1512 ng/ml
Oxazepam	5.749	1171716	4814.98	72.0	59.03	57311	1033.6286 ng/ml
Oxycodone	2.827	4338338	1865.38	28.4	2621.72	167773	1049.4192 ng/ml
Oxymorphone	1.391	1328101	1012.61	45.5	∞	42574	985.2618 ng/ml
Phentermine	3.783	873406	1834.00	2.2	630.68	109366	1032.6370 ng/ml
Promethazine	5.532	2884930	497863.87	28.0	898.26	123259	1106.8180 ng/ml
Pseudoephedrine	2.596	9729962	46606.55	13.0	87097.82	415054	1159.1343 ng/ml
Quetiapine	5.562	3376029	57599.10	58.9	88483.84	41642	1109.9481 ng/ml
Sertraline	5.776	416321	13976.08	95.8	858420.00	15521	1125.2534 ng/ml
Temazepam	5.830	3309989	36706.56	30.6	208.36	158555	1164.3578 ng/ml
Tramadol	4.239	8632811	748.30	3.3	464.50	399170	1108.3520 ng/ml
Trazodone	5.183	3609094	440895.69	77.8	195894.04	135795	1032.3450 ng/ml
Venlafaxine	5.037	6761459	264260.68	37.3	2011.59	340668	1123.9379 ng/ml
Zolpidem	4.935	10700783	909101.02	30.0	105692.49	533492	1048.6885 ng/ml

\*Outside curve range

\*\*DNE

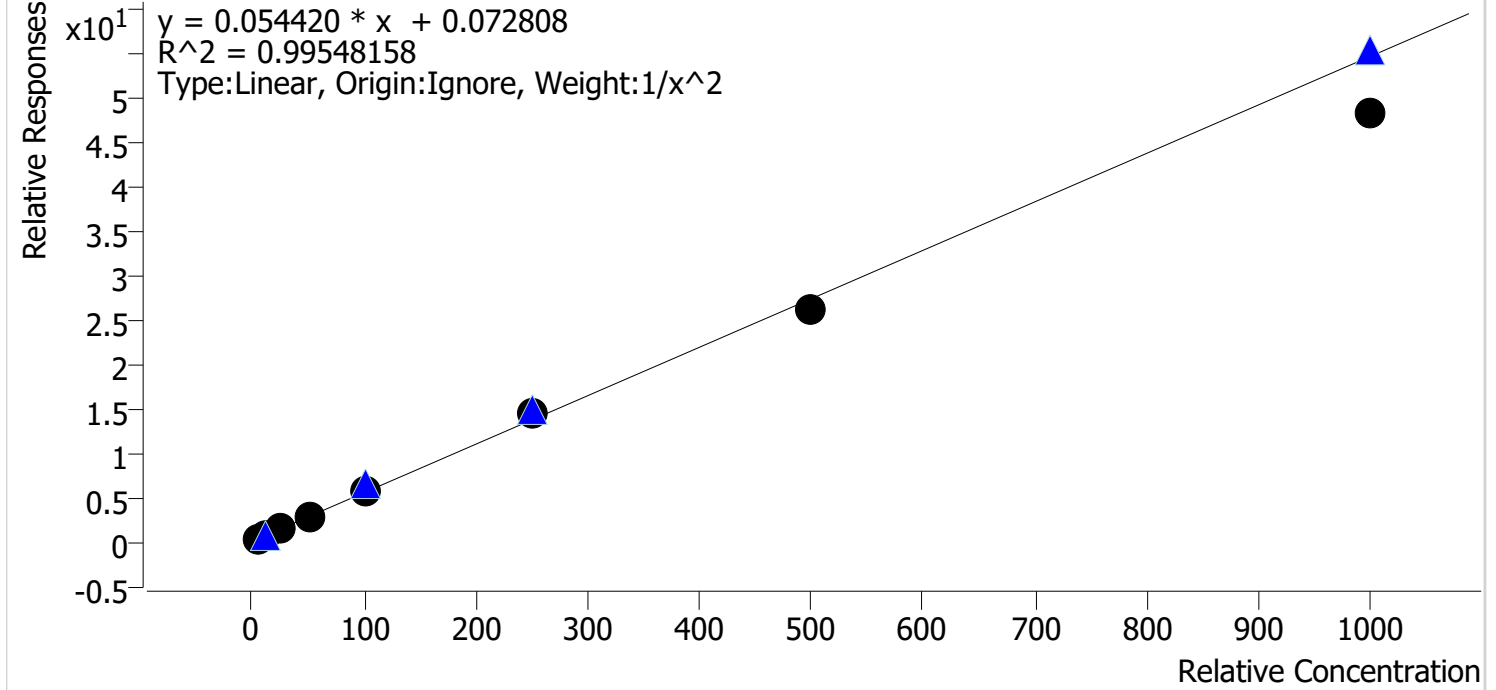
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	260.4	104.1
p1 Cal 7-500ng	7	✓	500.0	481.0	96.2
p1 Cal 8-1000ng	8	✓	1000.0	881.8	88.2

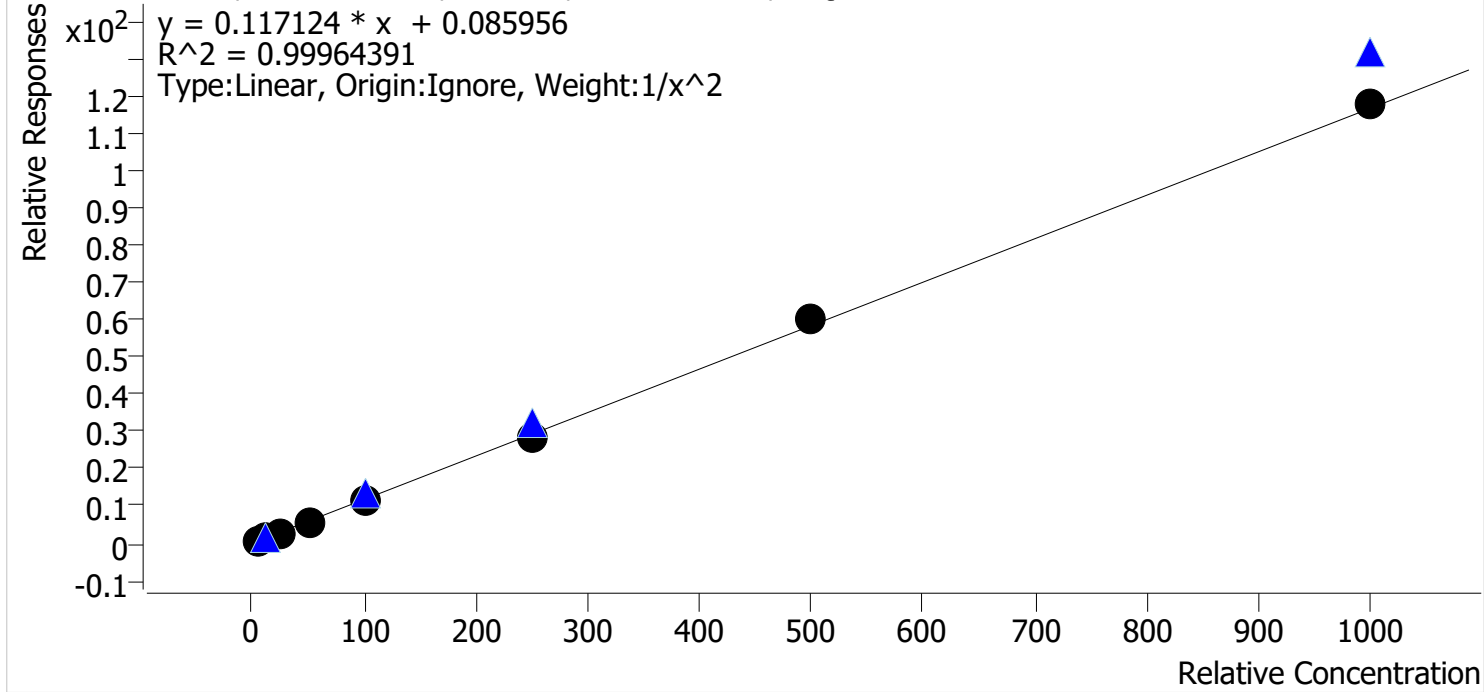
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**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	100.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	244.6	97.8
p1 Cal 7-500ng	7	✓	500.0	514.3	102.9
p1 Cal 8-1000ng	8	✓	1000.0	1009.5	101.0

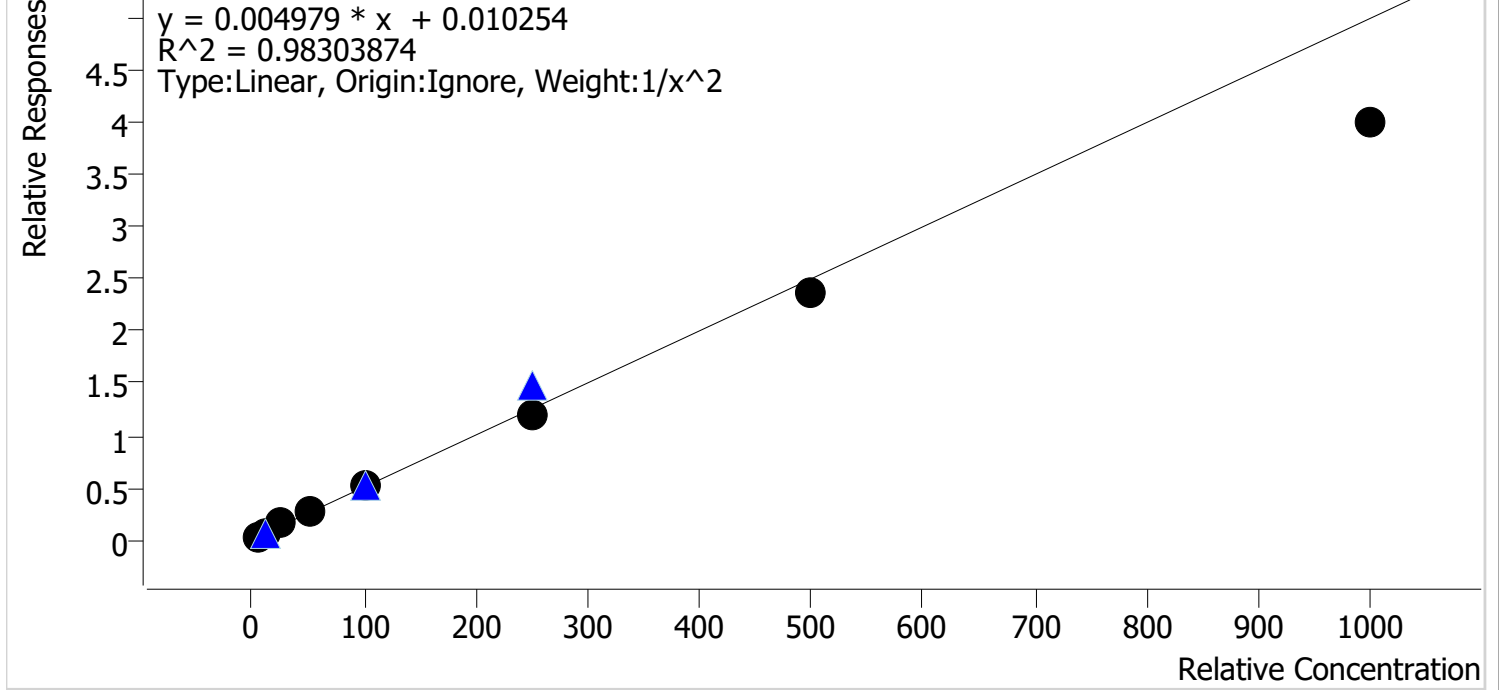
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	92.0
p1 Cal 2-10ng	2	✓	10.0	10.8	108.4
p1 Cal 3 -25ng	3	✓	25.0	28.4	113.4
p1 Cal 4-50ng	4	✓	50.0	56.3	112.6
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	239.8	95.9
p1 Cal 7-500ng	7	✓	500.0	476.4	95.3
p1 Cal 8-1000ng	8	✓	1000.0	802.3	80.2



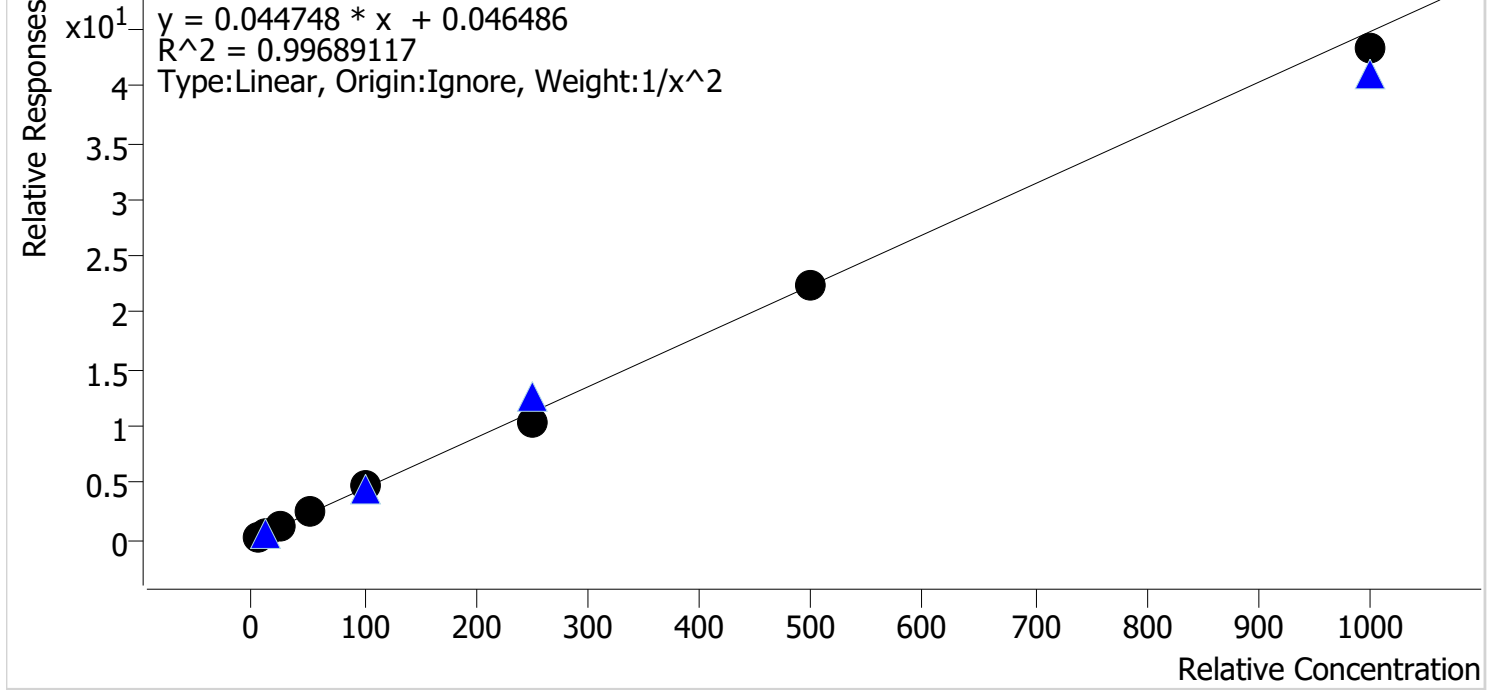
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	228.6	91.4
p1 Cal 7-500ng	7	✓	500.0	503.5	100.7
p1 Cal 8-1000ng	8	✓	1000.0	966.5	96.7

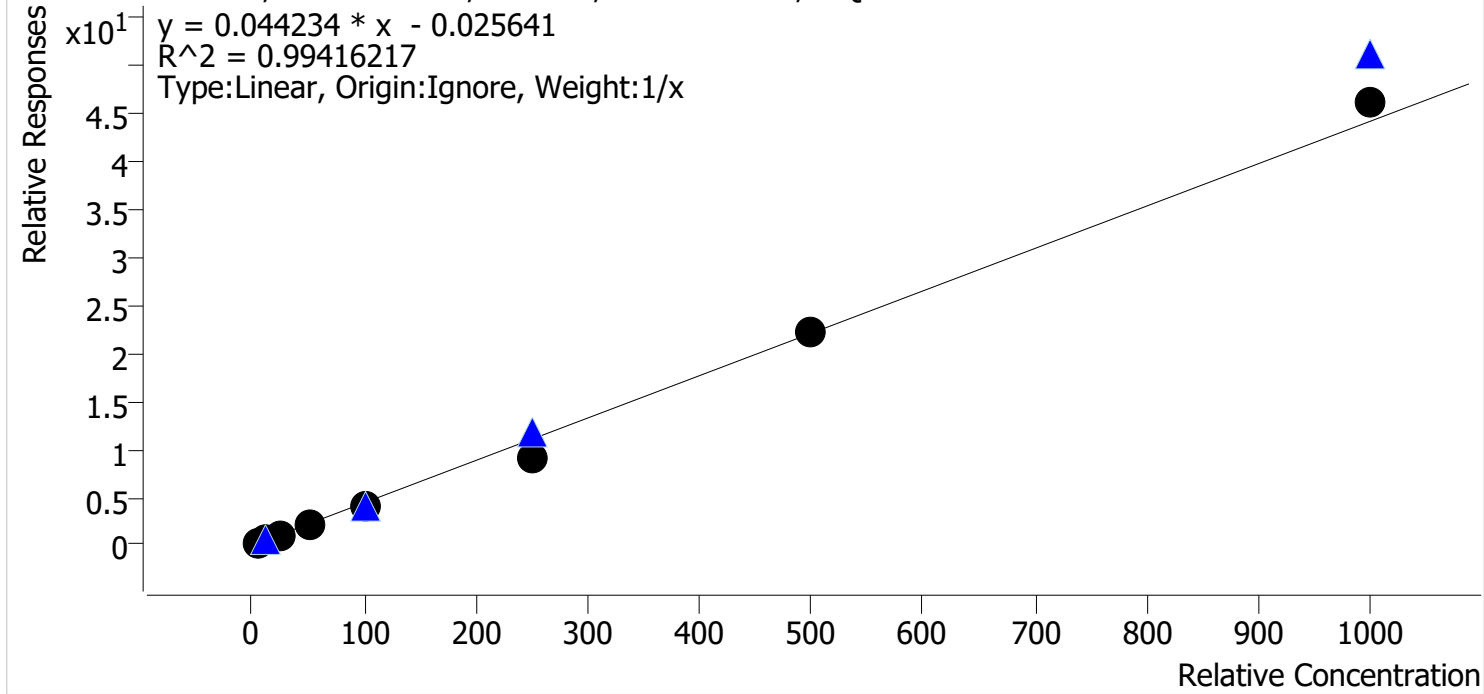
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



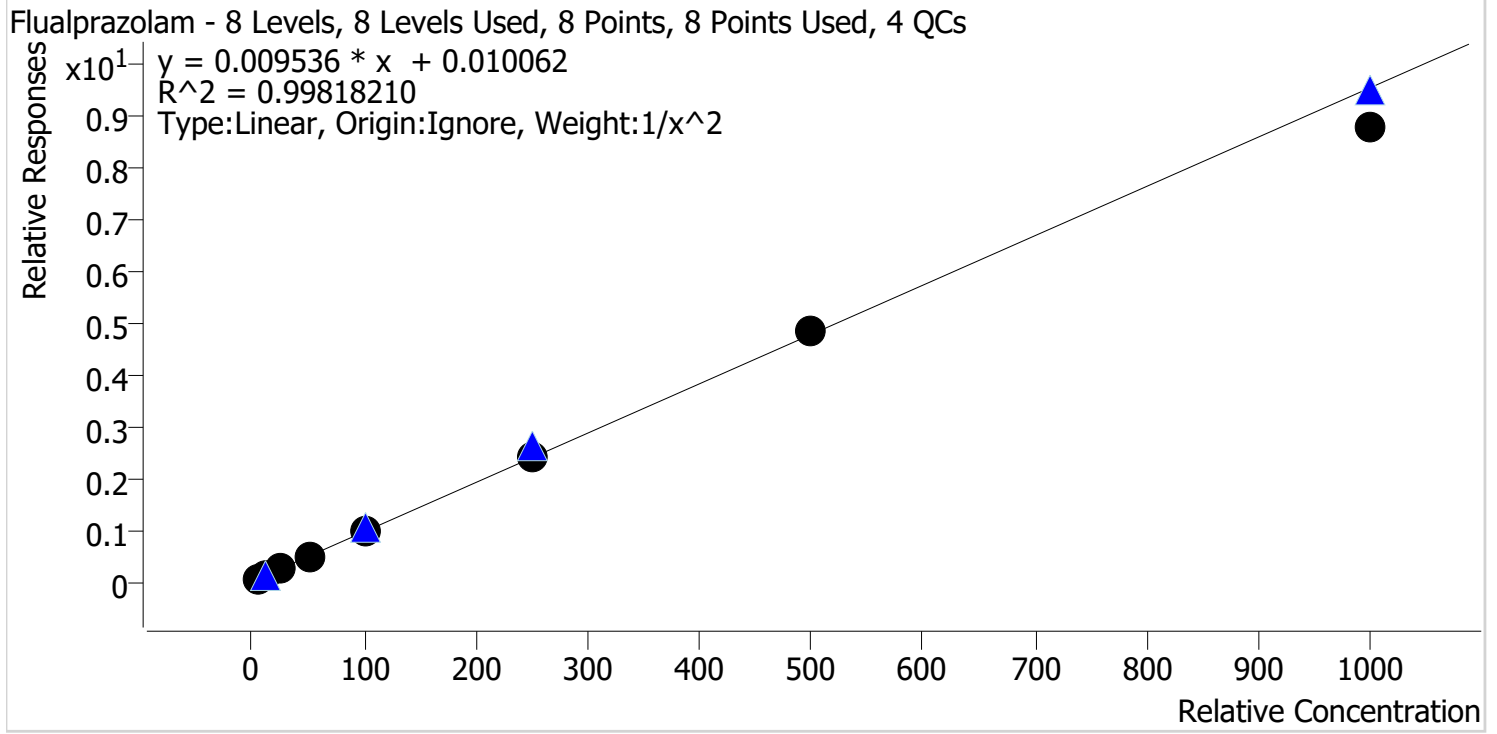
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.8	116.5
p1 Cal 2-10ng	2	✓	10.0	11.1	111.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	47.4	94.9
p1 Cal 5-100ng	5	✓	100.0	89.7	89.7
p1 Cal 6-250ng	6	✓	250.0	209.0	83.6
p1 Cal 7-500ng	7	✓	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1045.9	104.6

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



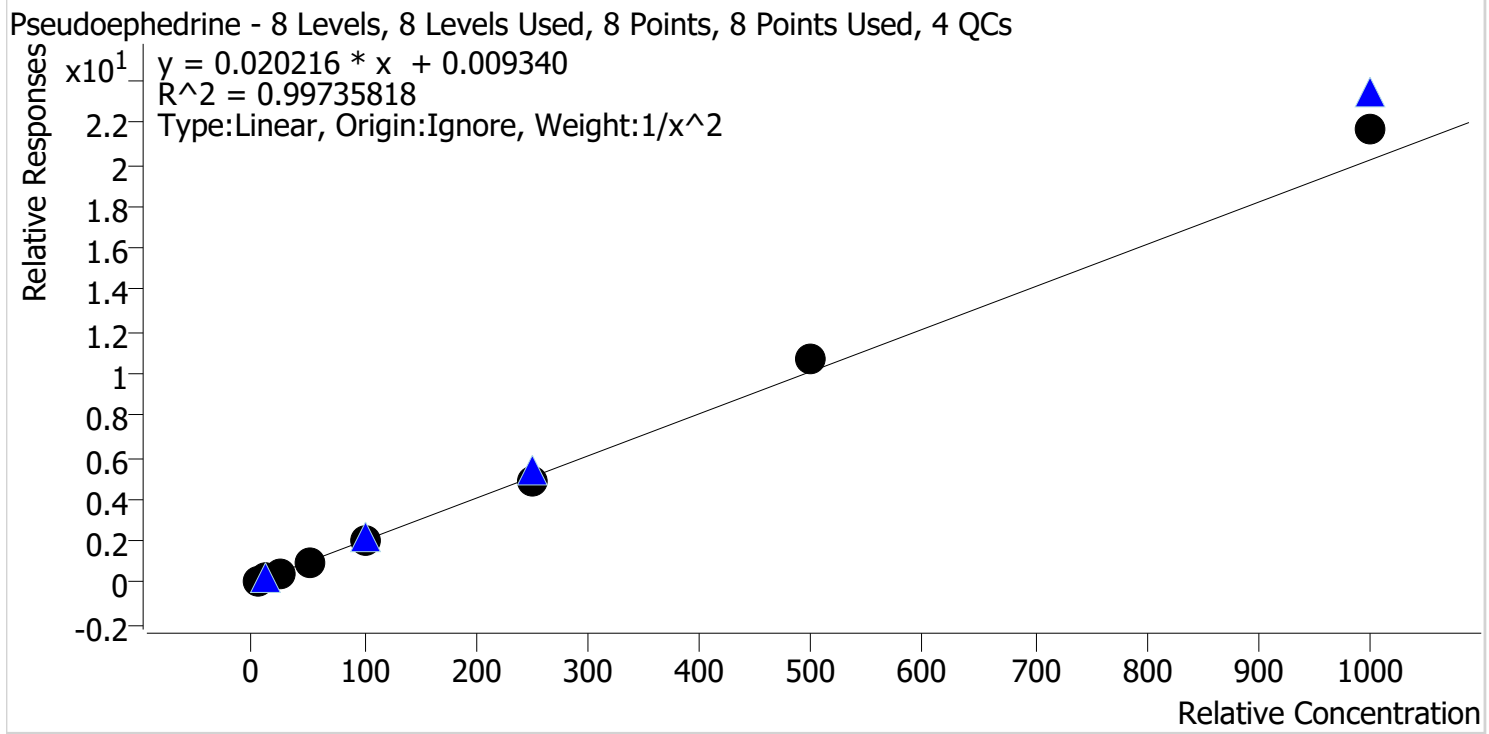
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	509.9	102.0
p1 Cal 8-1000ng	8	✓	1000.0	918.8	91.9

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	48.1	96.3
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	527.2	105.4
p1 Cal 8-1000ng	8	✓	1000.0	1074.3	107.4

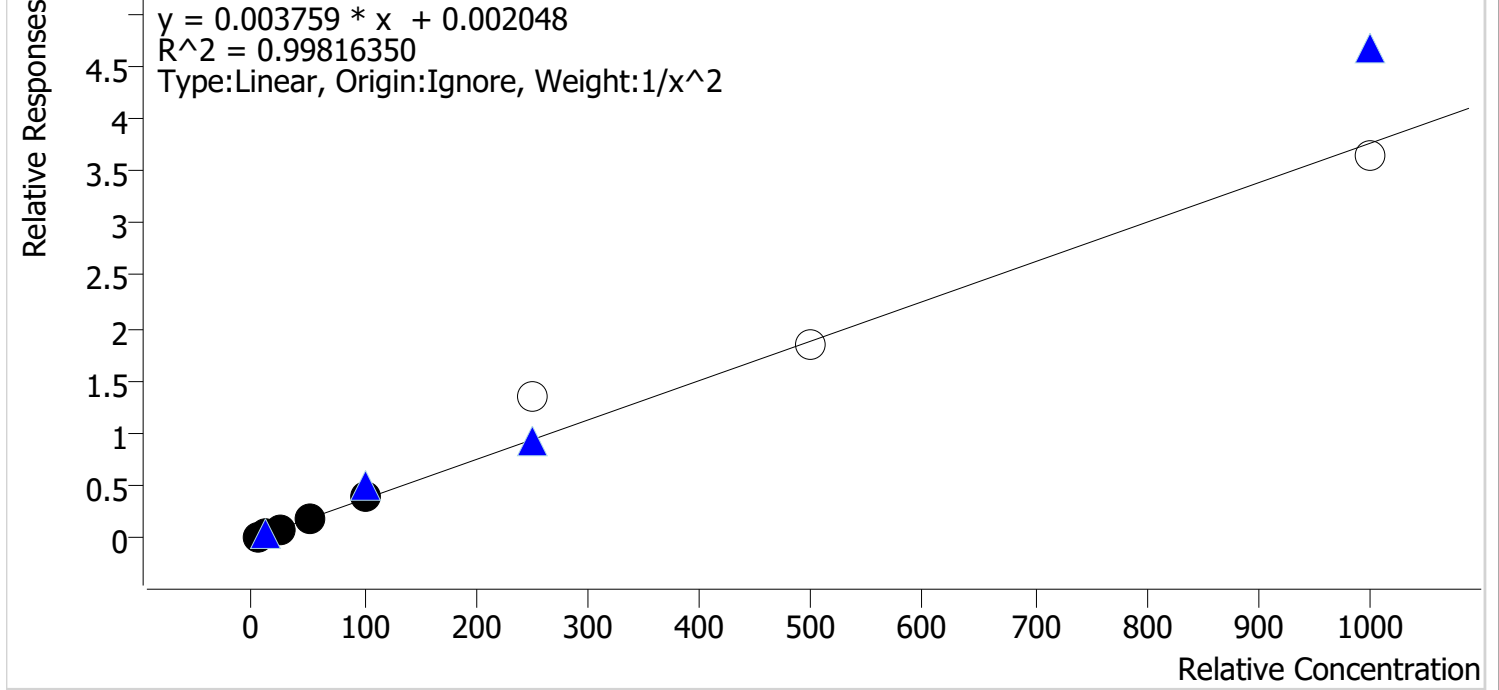
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

Levetiracetam - 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	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.0
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✗	250.0	360.3	144.1
p1 Cal 7-500ng	7	✗	500.0	493.7	98.7
p1 Cal 8-1000ng	8	✗	1000.0	965.7	96.6

Calibrators 6-8 dropped due to not meeting accuracy requirement

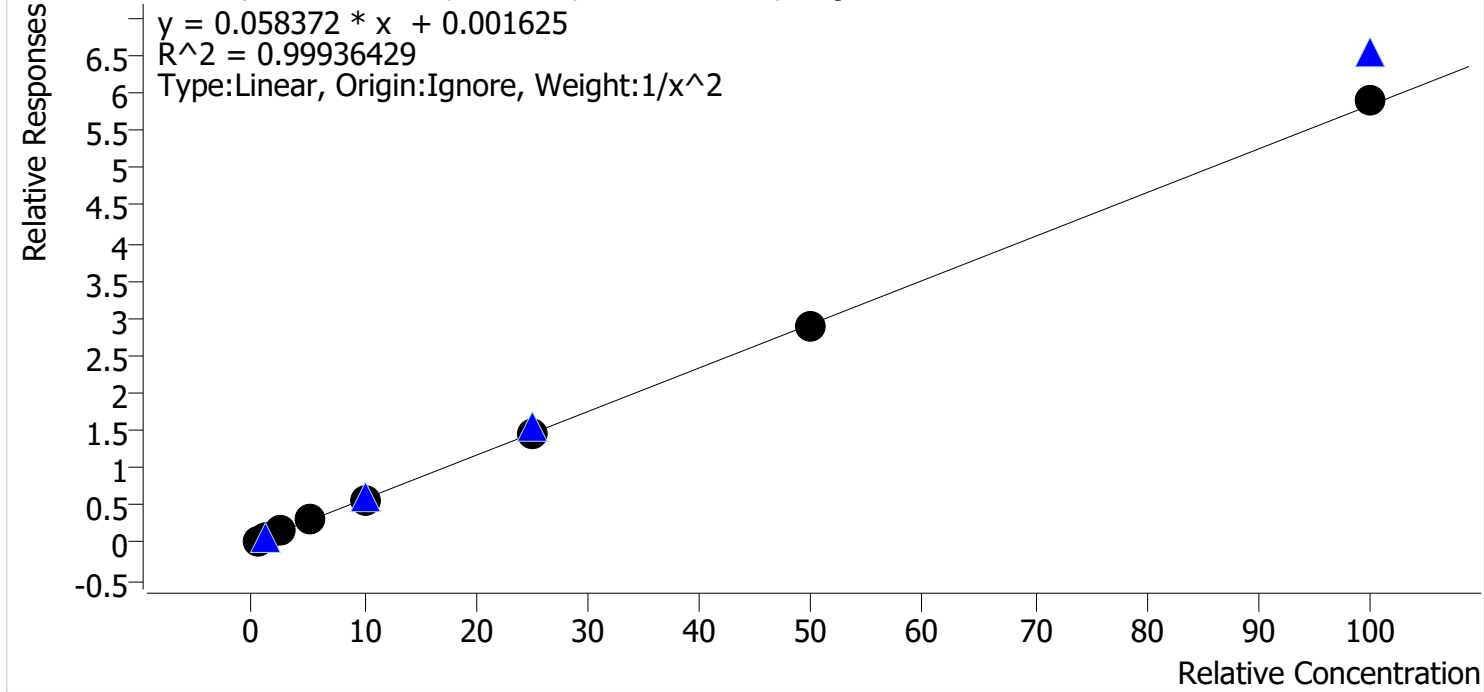
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

6-MAM - 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	✓	0.5	0.5	99.3
p1 Cal 2-10ng	2	✓	1.0	1.0	100.6
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.4
p1 Cal 4-50ng	4	✓	5.0	5.1	102.0
p1 Cal 5-100ng	5	✓	10.0	9.5	95.3
p1 Cal 6-250ng	6	✓	25.0	25.1	100.3
p1 Cal 7-500ng	7	✓	50.0	49.7	99.4
p1 Cal 8-1000ng	8	✓	100.0	100.8	100.8

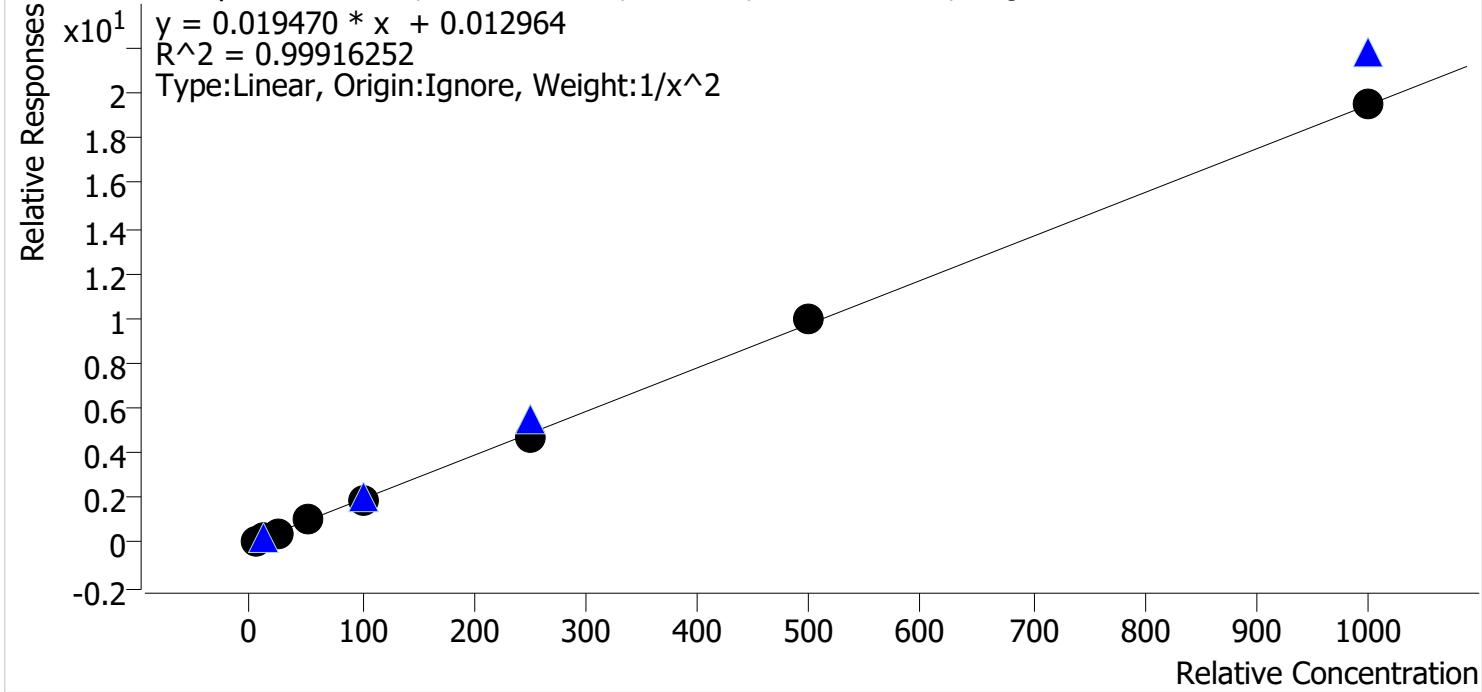
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	244.2	97.7
p1 Cal 7-500ng	7	✓	500.0	510.7	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1002.3	100.2

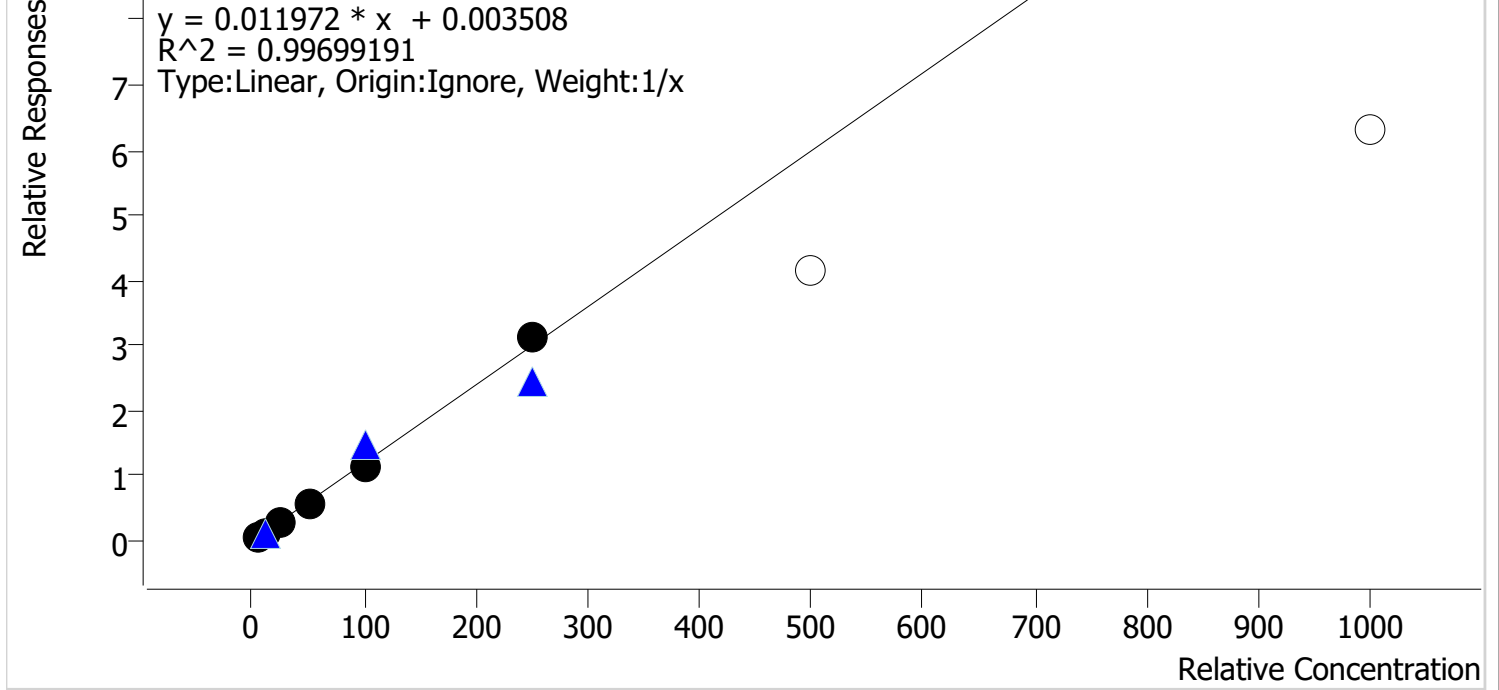
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**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	5.4	107.4
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	46.9	93.9
p1 Cal 5-100ng	5	✓	100.0	93.4	93.4
p1 Cal 6-250ng	6	✓	250.0	259.5	103.8
p1 Cal 7-500ng	7	x	500.0	347.3	69.5
p1 Cal 8-1000ng	8	x	1000.0	527.1	52.7

Calibrators 7 and 8 dropped due to not meeting accuracy requirement



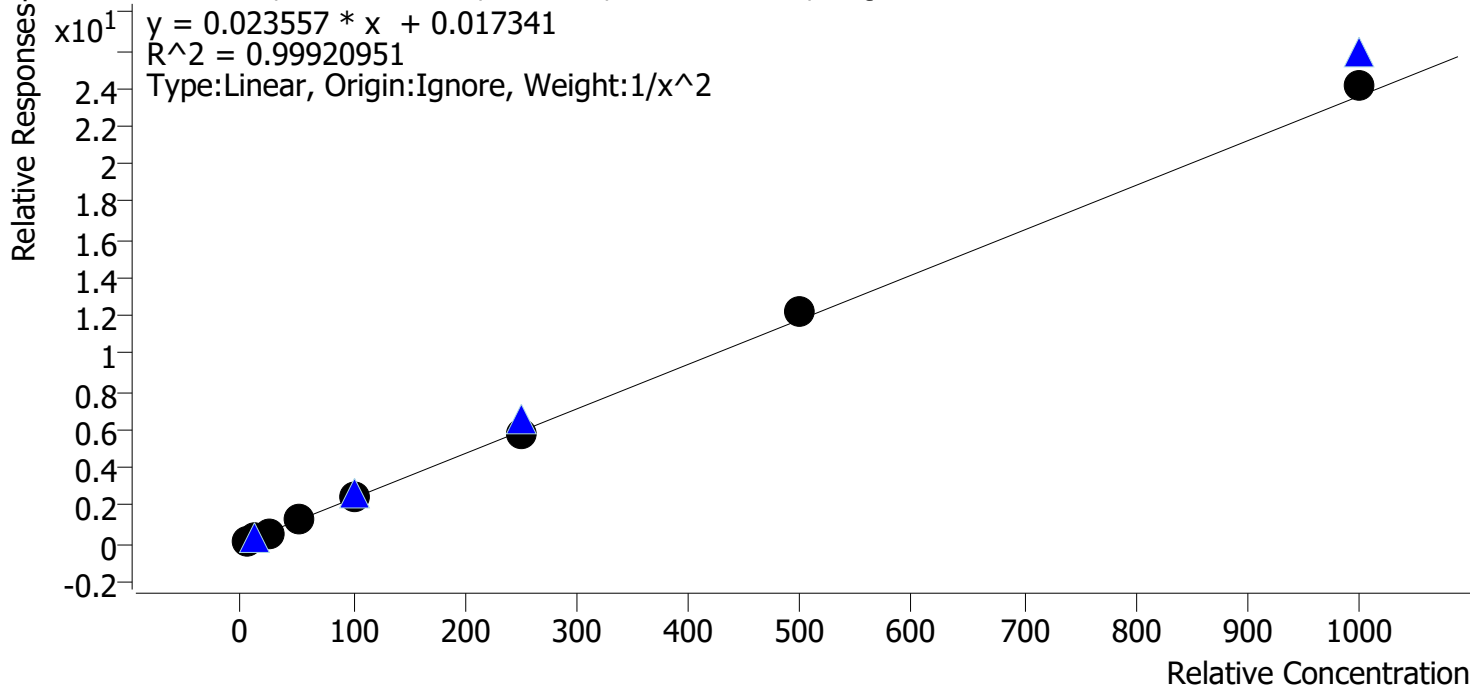
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	243.2	97.3
p1 Cal 7-500ng	7	✓	500.0	520.3	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1026.0	102.6

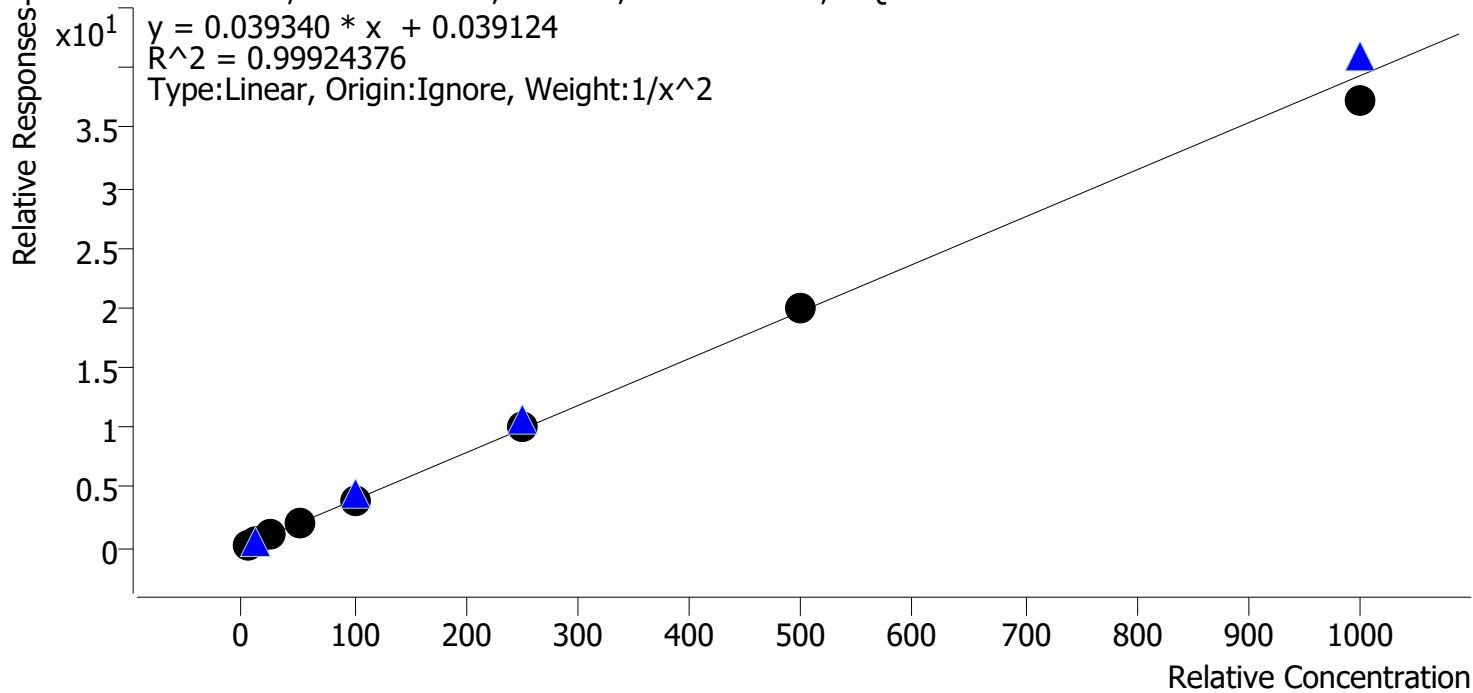
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

Alprazolam - 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	98.9
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	510.7	102.1
p1 Cal 8-1000ng	8	✓	1000.0	948.1	94.8

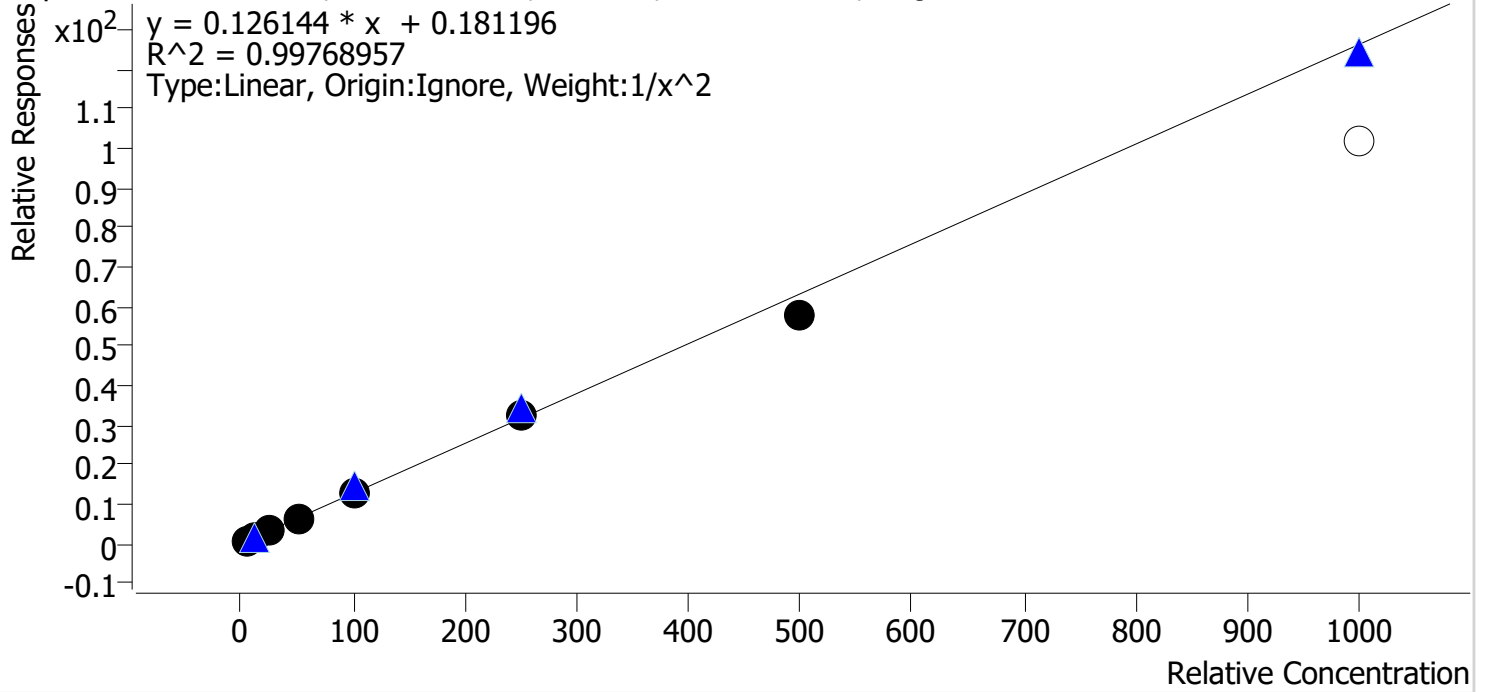
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**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	98.4
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	457.7	91.5
p1 Cal 8-1000ng	8	✗	1000.0	804.4	80.4

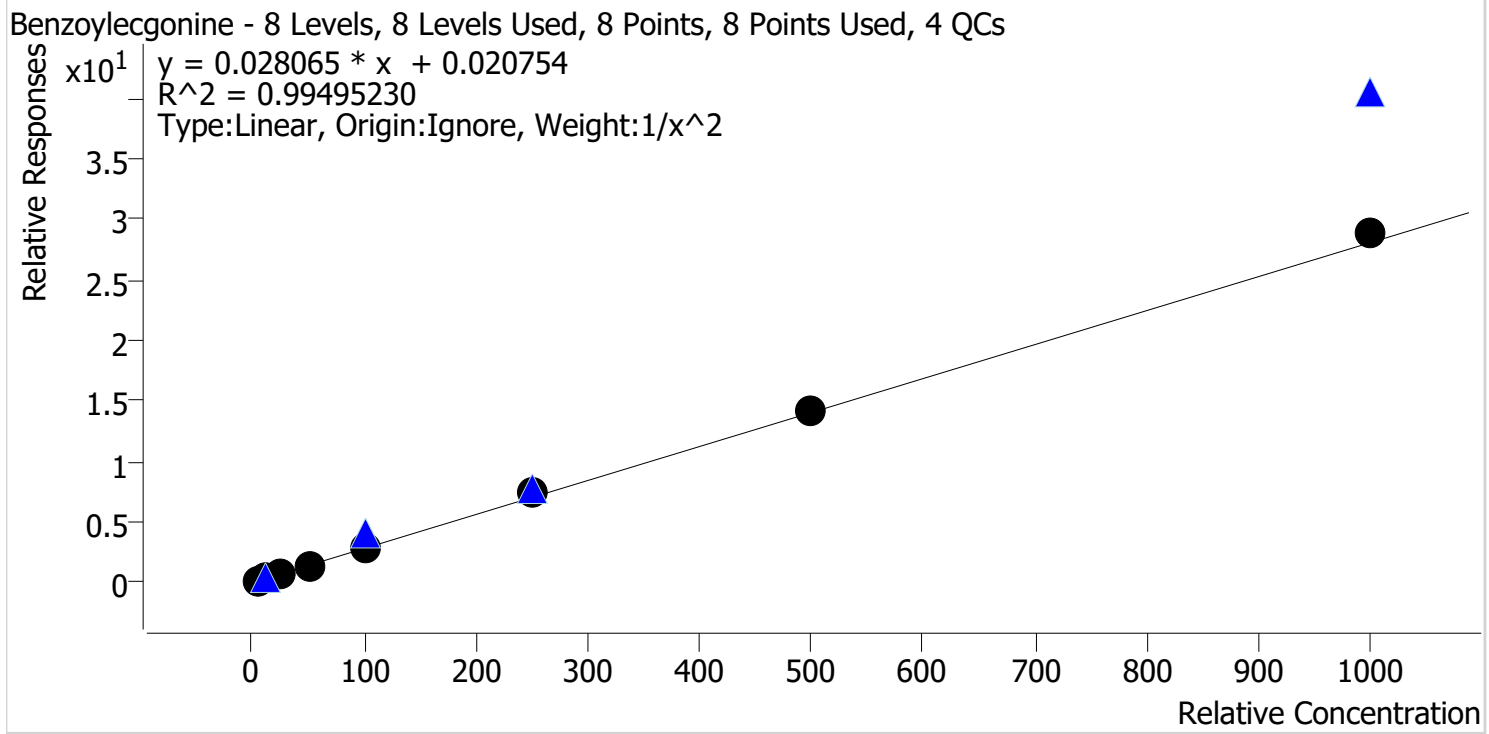
Calibrator 8 dropped due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	22.1	88.3
p1 Cal 4-50ng	4	✓	50.0	46.9	93.8
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	270.4	108.2
p1 Cal 7-500ng	7	✓	500.0	501.0	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1034.0	103.4

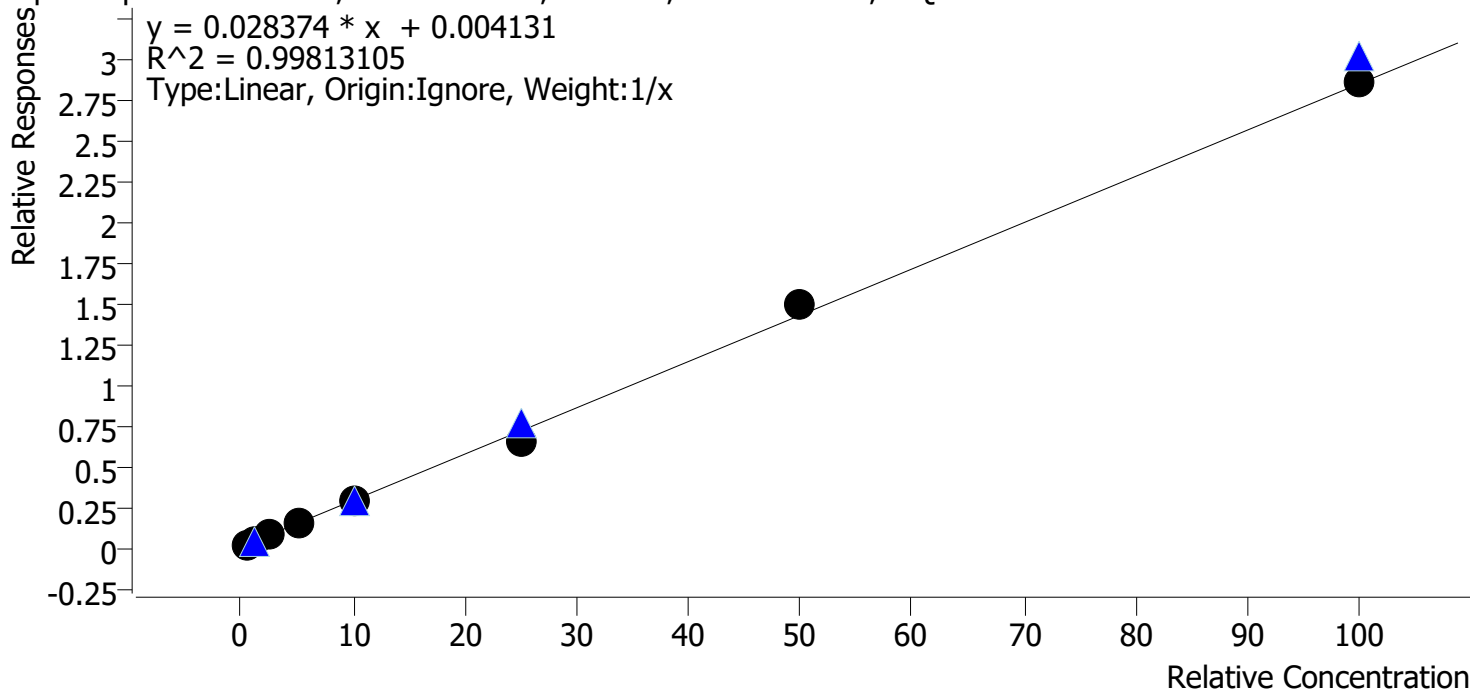
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

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



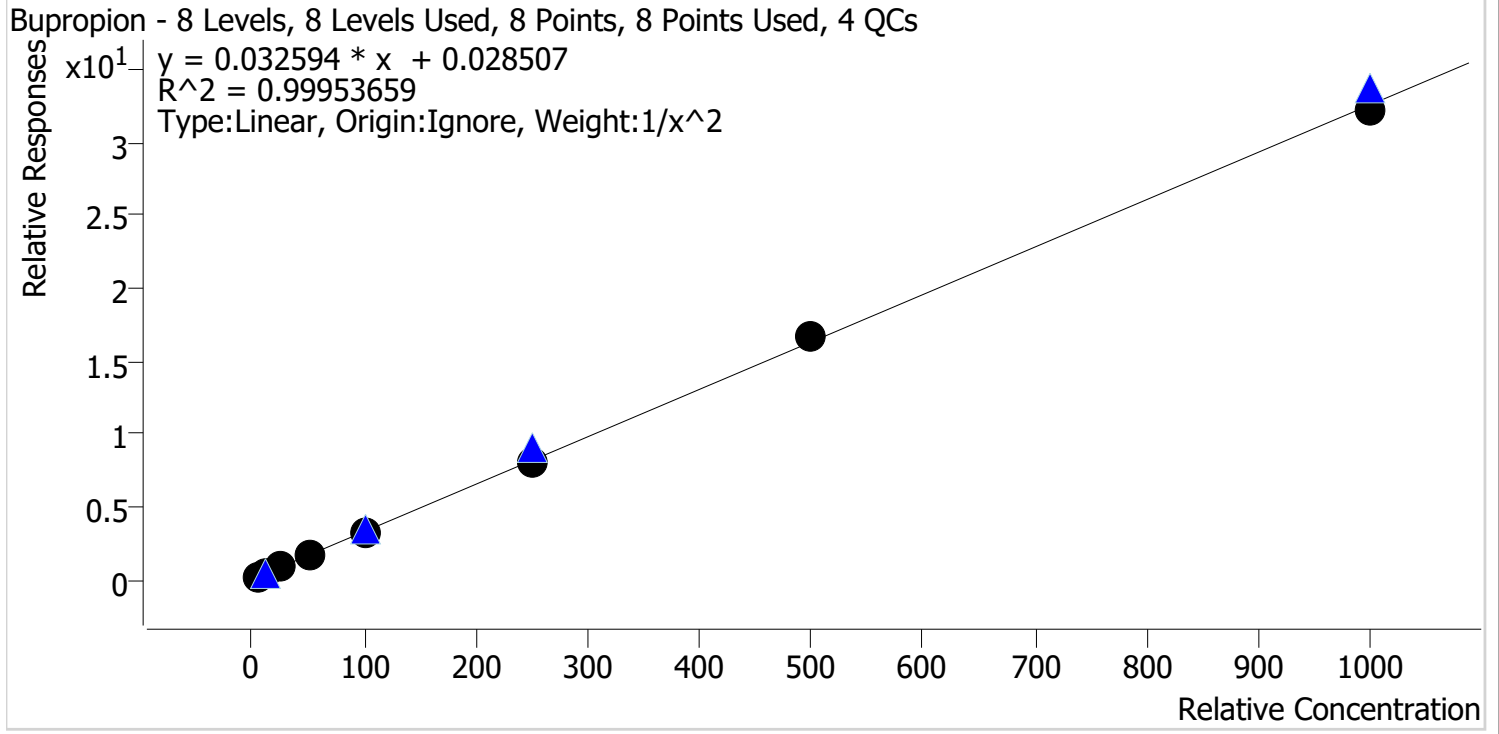
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.4	81.7
p1 Cal 2-10ng	2	✓	1.0	1.2	118.8
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.1
p1 Cal 4-50ng	4	✓	5.0	5.0	100.3
p1 Cal 5-100ng	5	✓	10.0	9.9	98.9
p1 Cal 6-250ng	6	✓	25.0	22.8	91.2
p1 Cal 7-500ng	7	✓	50.0	51.9	103.9
p1 Cal 8-1000ng	8	✓	100.0	100.1	100.1

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	242.1	96.9
p1 Cal 7-500ng	7	✓	500.0	508.1	101.6
p1 Cal 8-1000ng	8	✓	1000.0	987.6	98.8

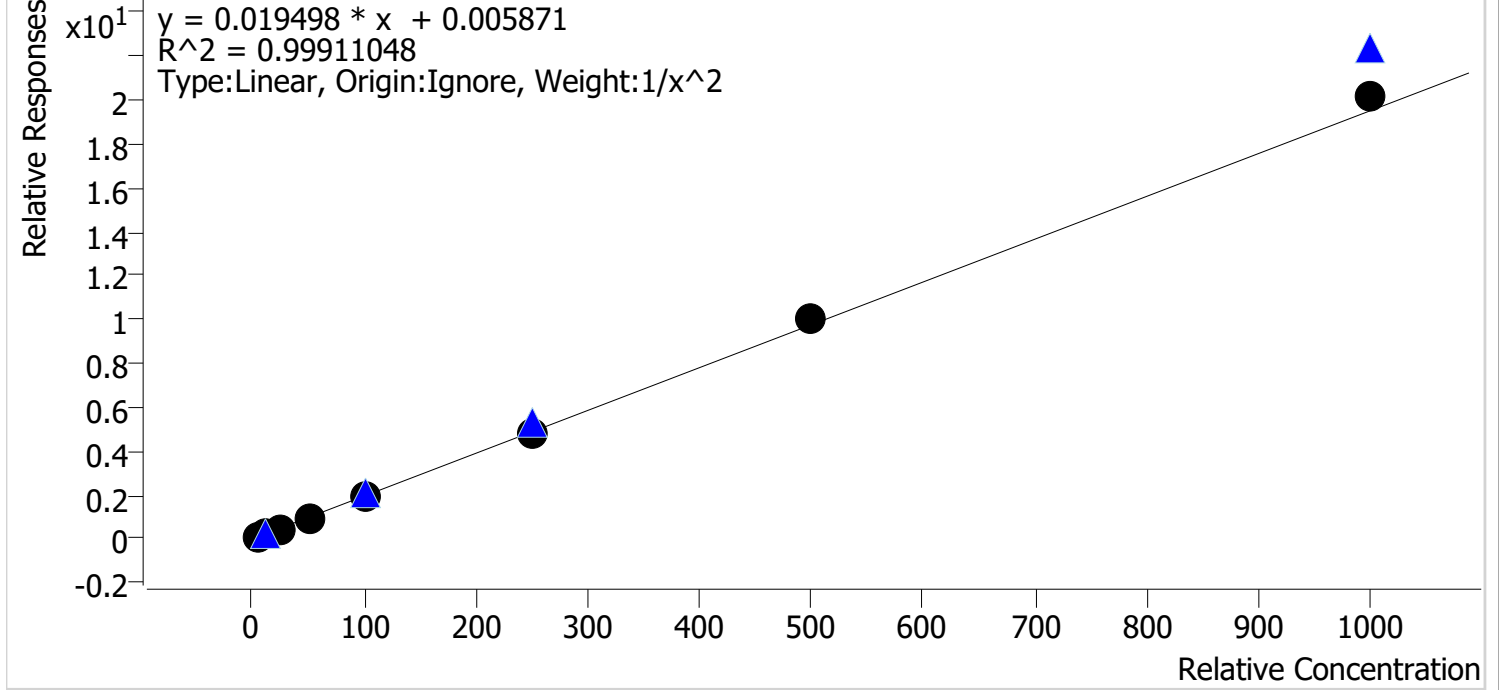
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	516.9	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1035.1	103.5

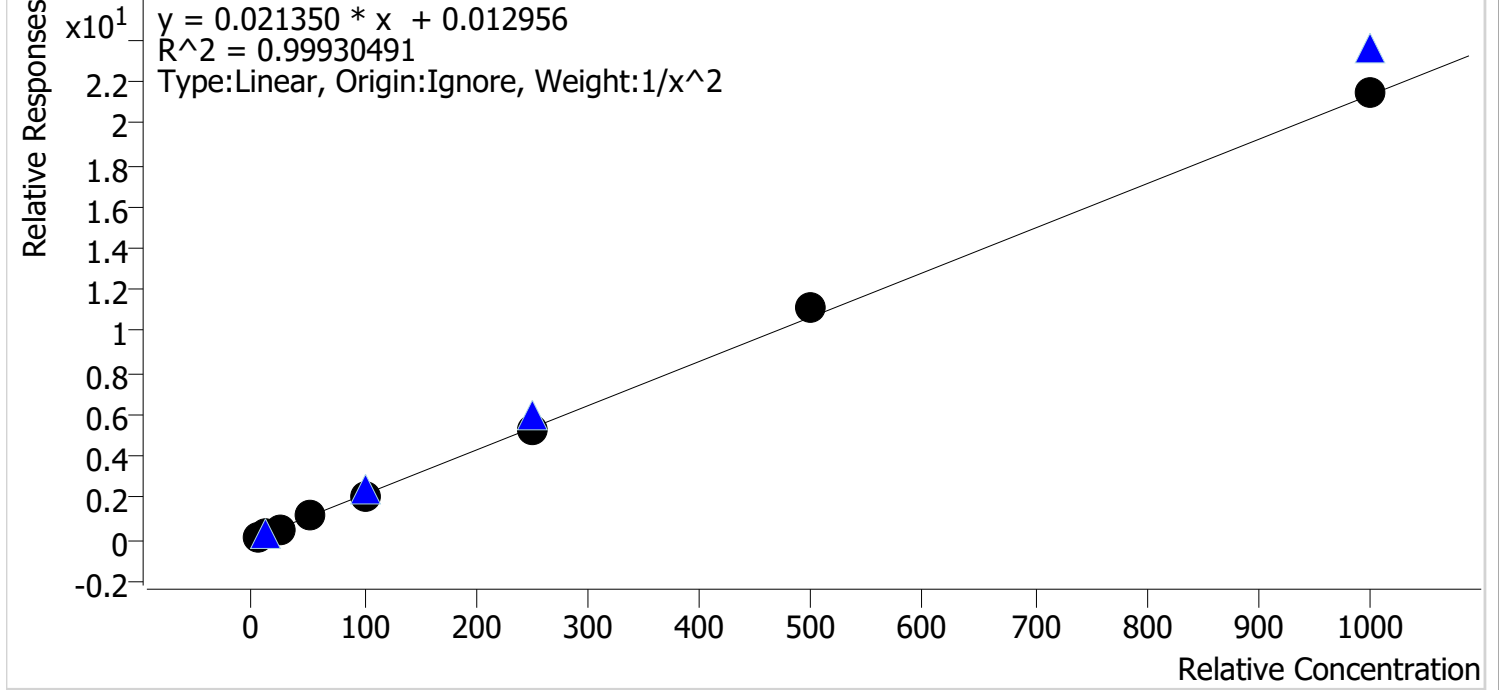
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

Citalopram - 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	100.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	519.8	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1005.0	100.5

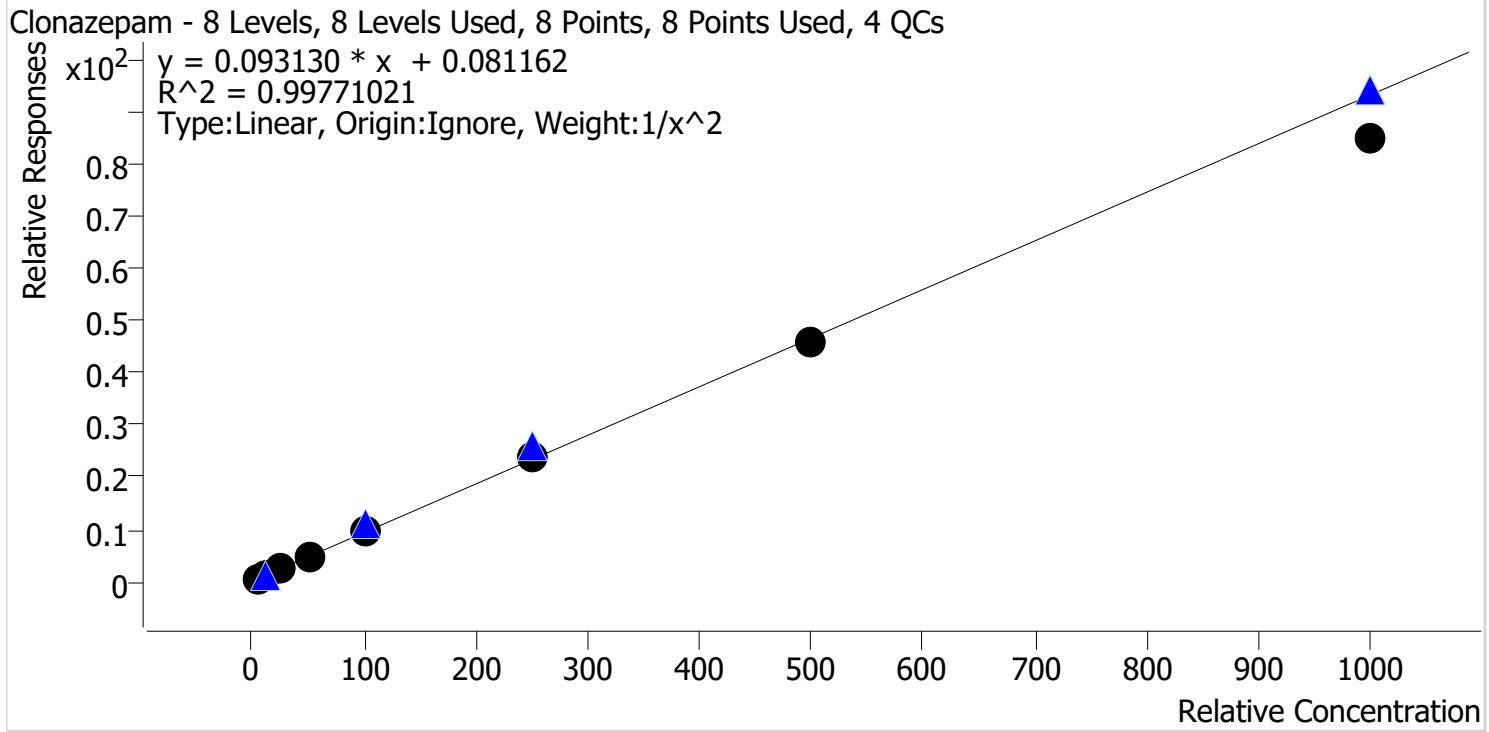


SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	258.2	103.3
p1 Cal 7-500ng	7	✓	500.0	489.6	97.9
p1 Cal 8-1000ng	8	✓	1000.0	914.2	91.4

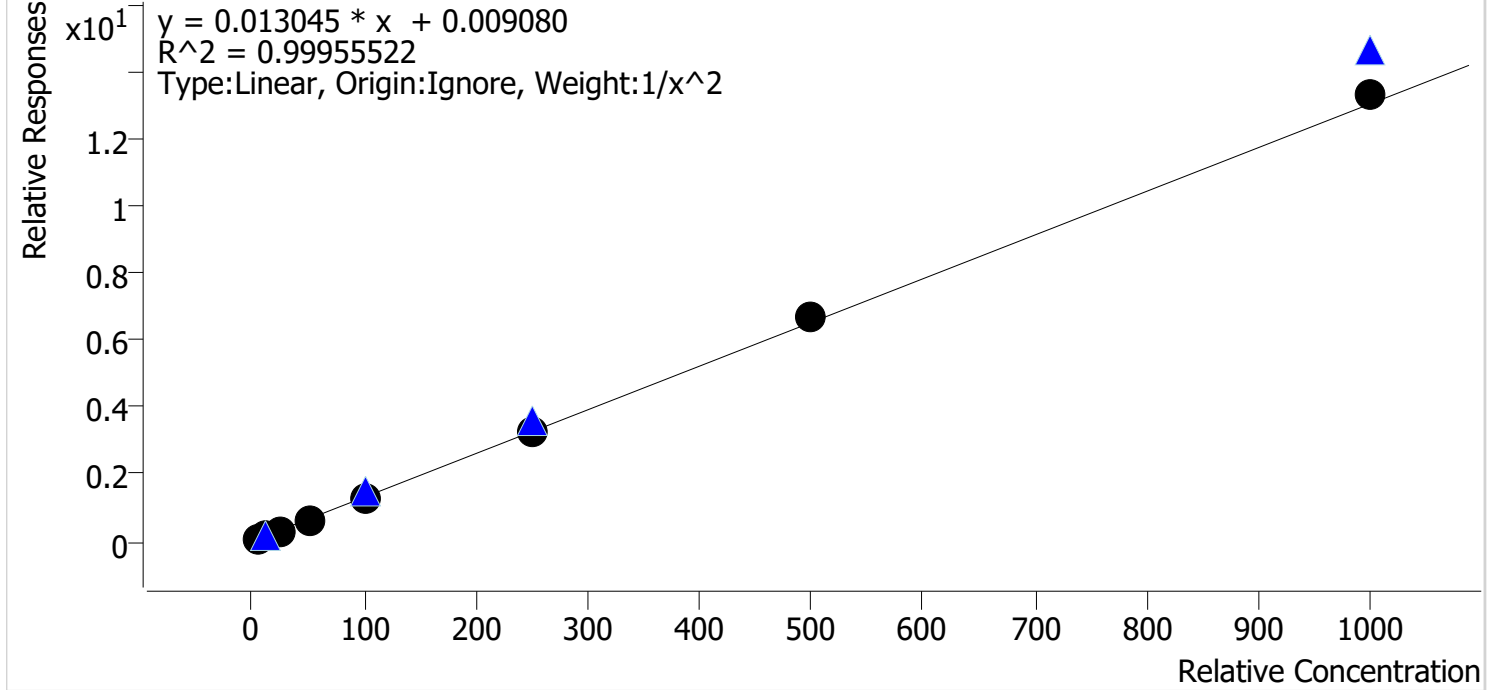
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	510.5	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1021.1	102.1

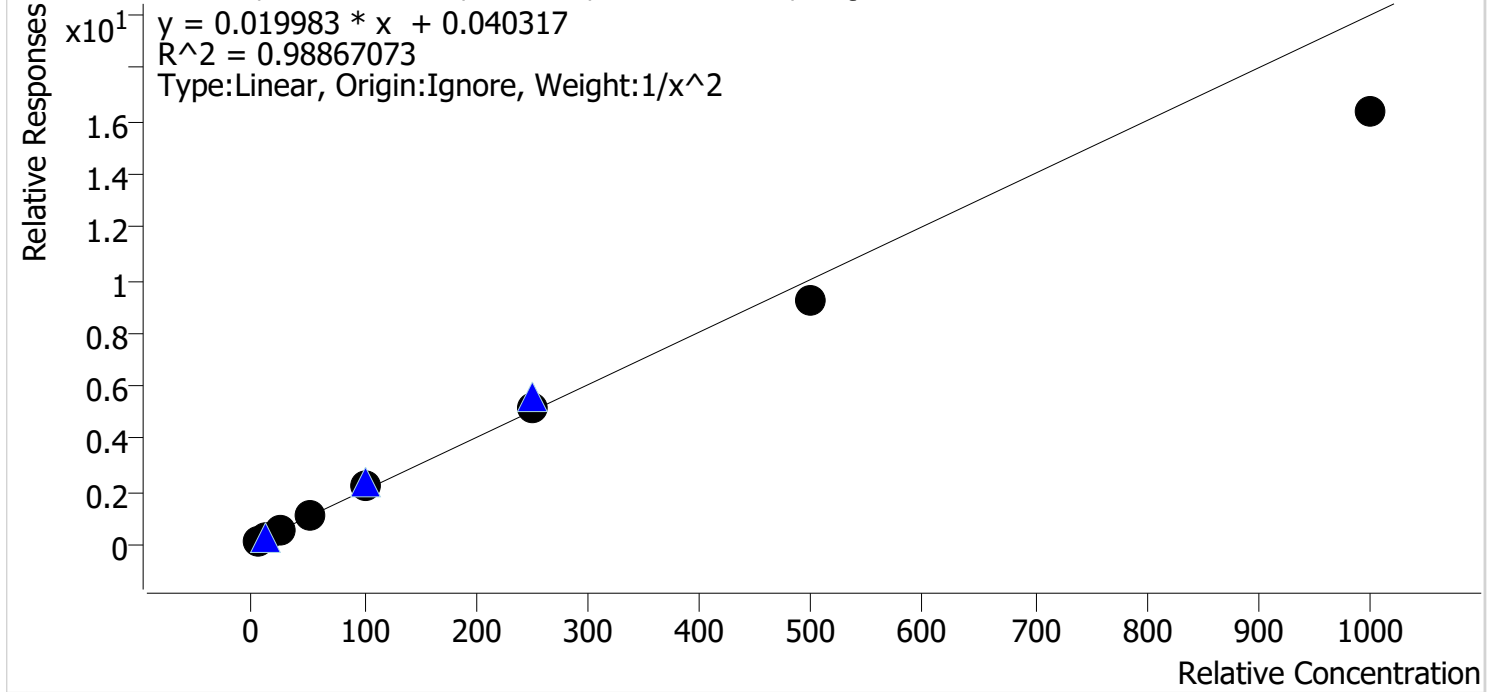
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	107.7	107.7
p1 Cal 6-250ng	6	✓	250.0	258.9	103.6
p1 Cal 7-500ng	7	✓	500.0	462.7	92.5
p1 Cal 8-1000ng	8	✓	1000.0	818.5	81.9

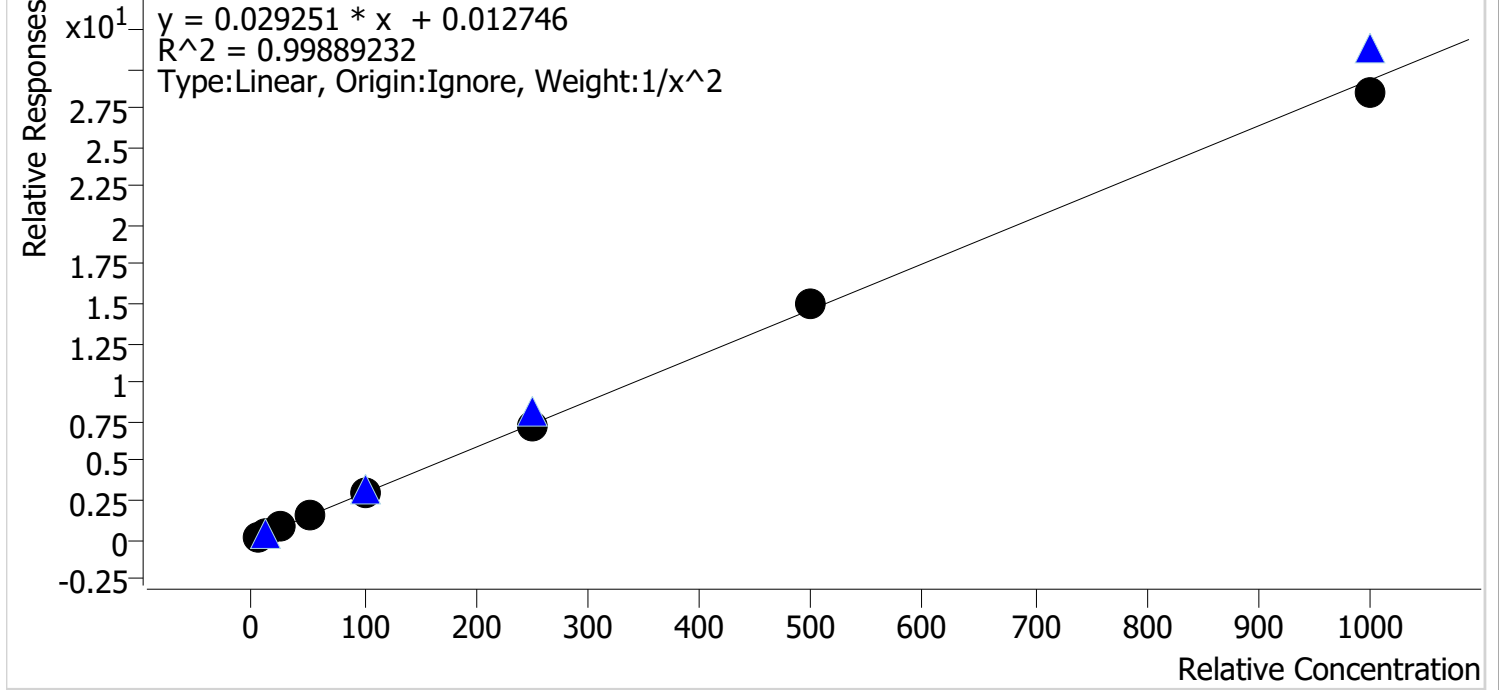
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	510.6	102.1
p1 Cal 8-1000ng	8	✓	1000.0	976.2	97.6

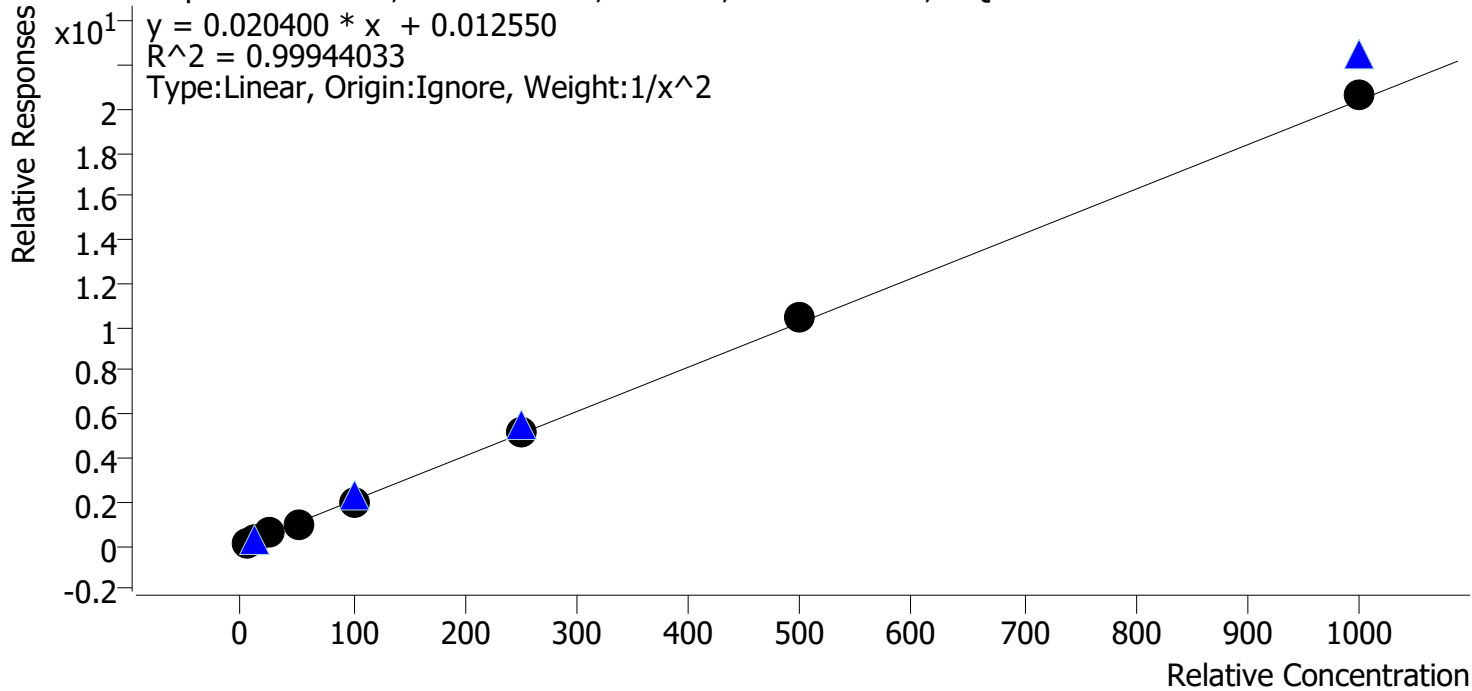
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

Dextromethorphan - 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	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	49.0	98.1
p1 Cal 5-100ng	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	250.6	100.3
p1 Cal 7-500ng	7	✓	500.0	513.2	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1016.5	101.7

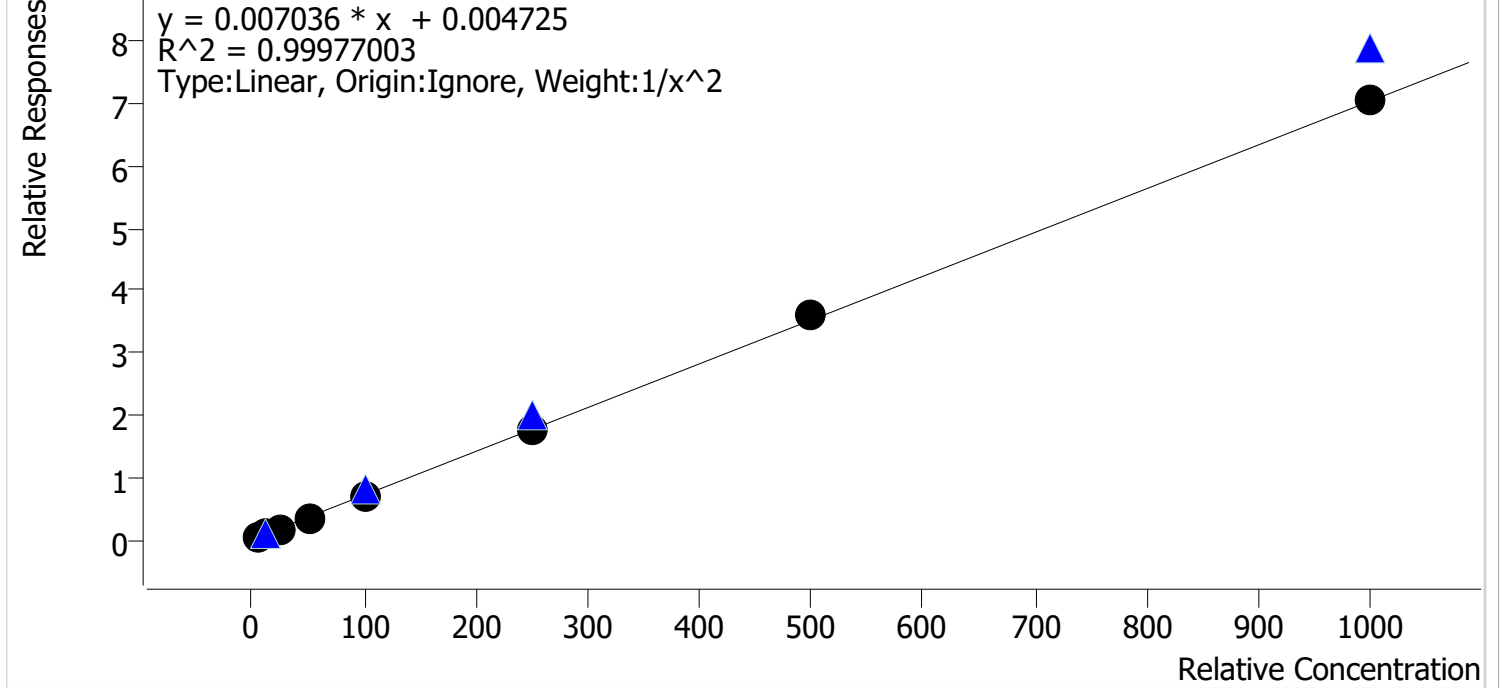
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

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



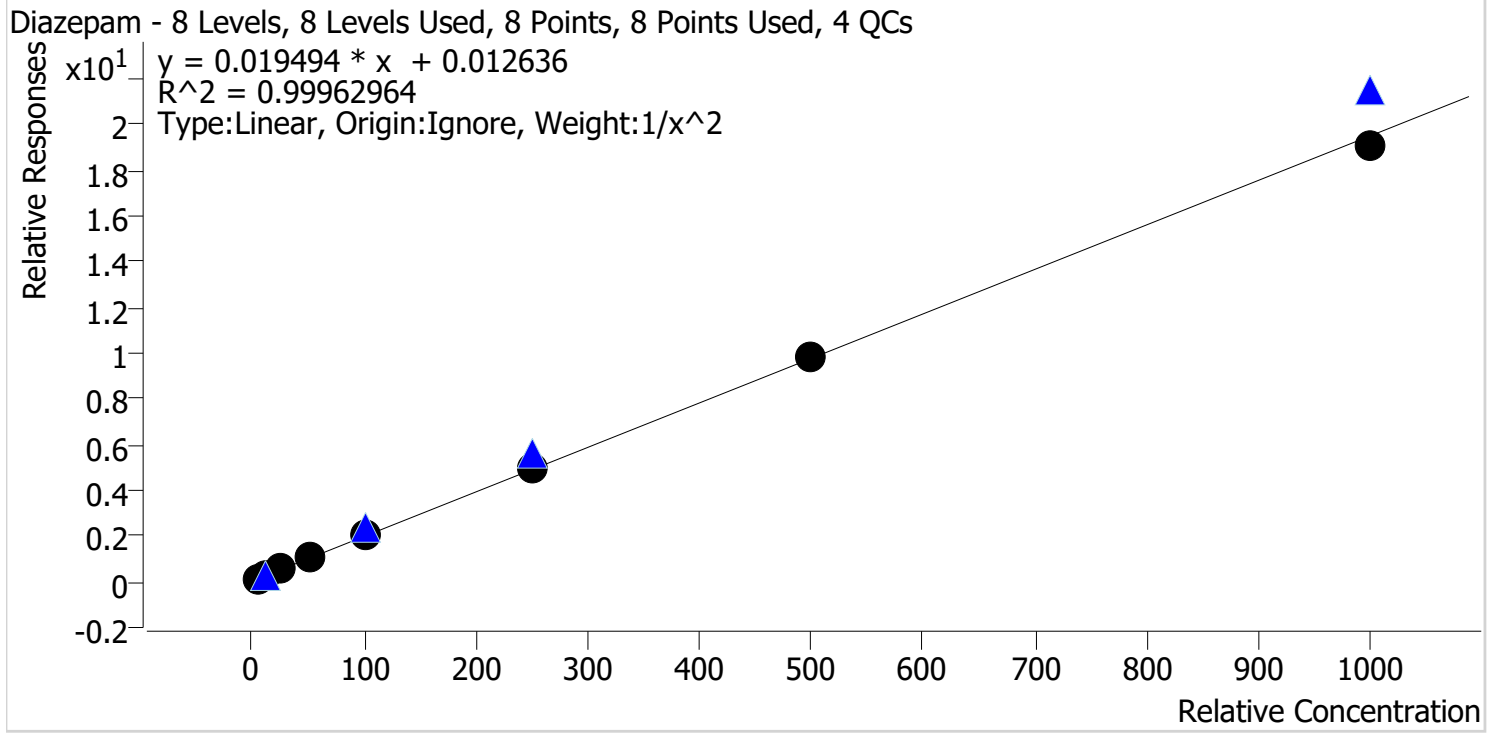
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	513.0	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1005.8	100.6

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



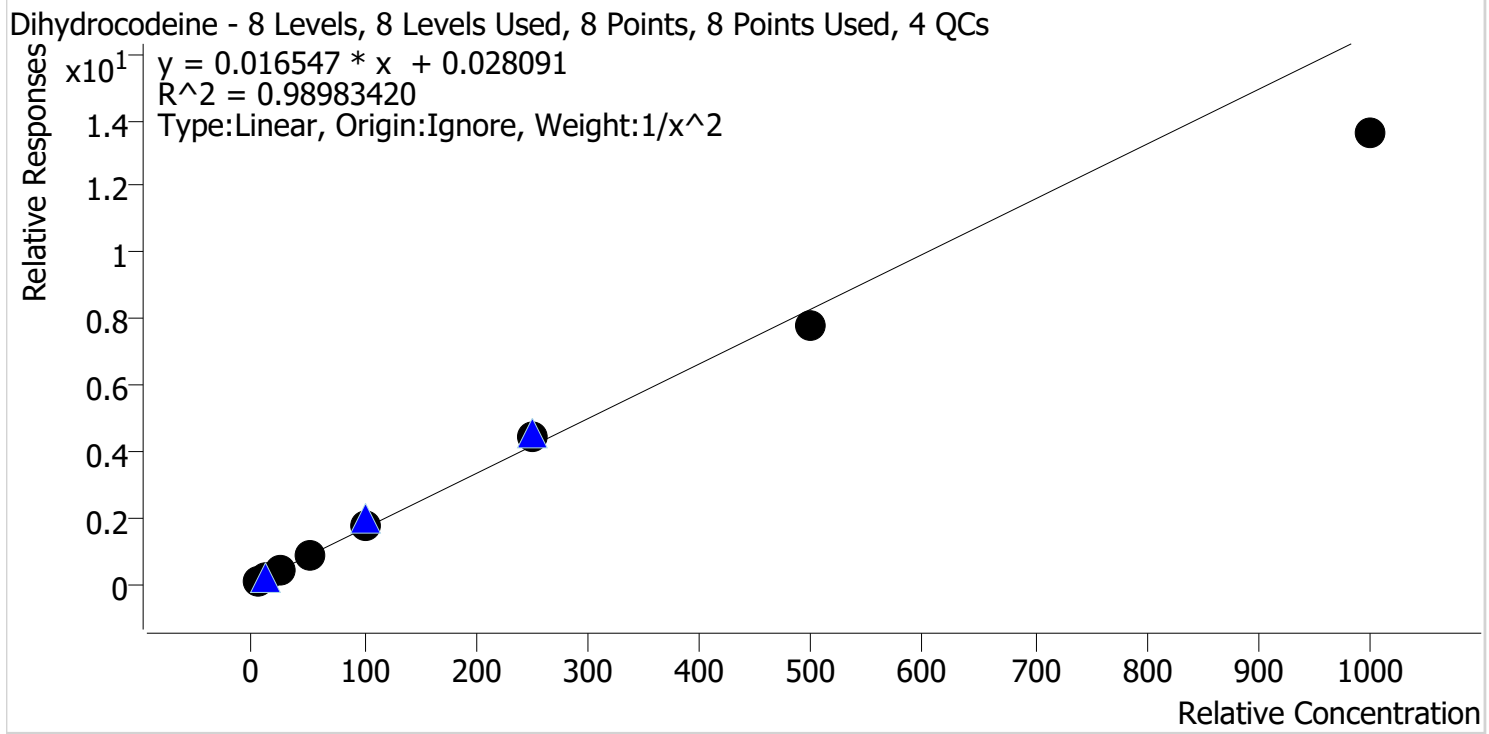
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	501.5	100.3
p1 Cal 8-1000ng	8	✓	1000.0	975.1	97.5

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	265.2	106.1
p1 Cal 7-500ng	7	✓	500.0	472.3	94.5
p1 Cal 8-1000ng	8	✓	1000.0	818.0	81.8



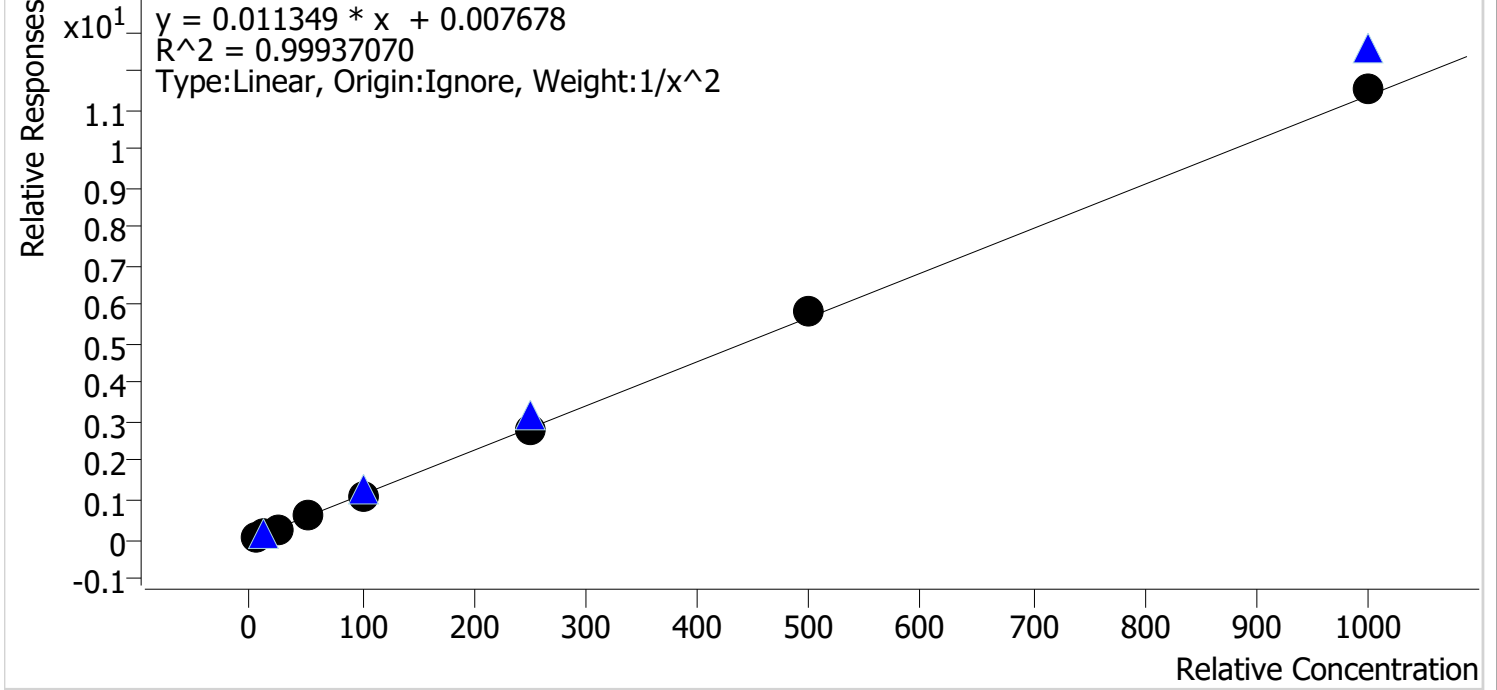
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**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	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	248.6	99.5
p1 Cal 7-500ng	7	✓	500.0	515.3	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1015.9	101.6

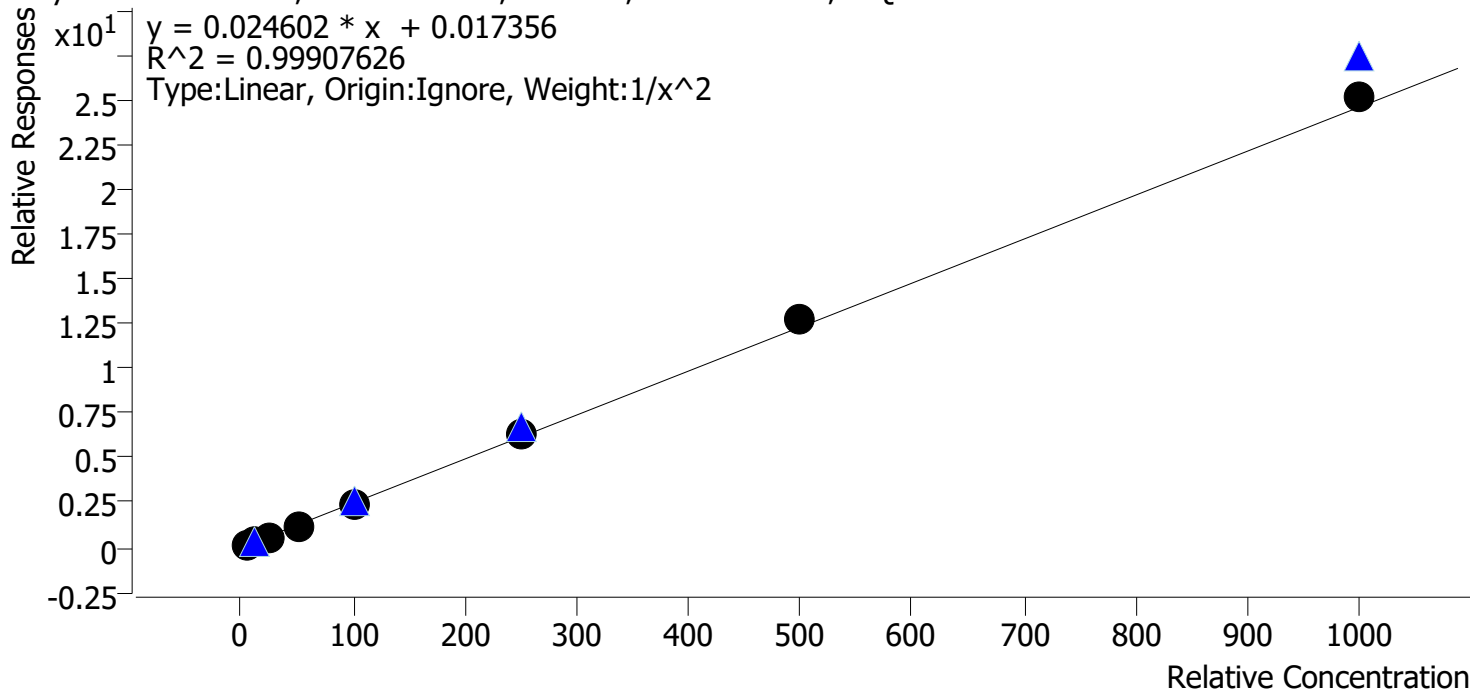
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	517.2	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1021.9	102.2

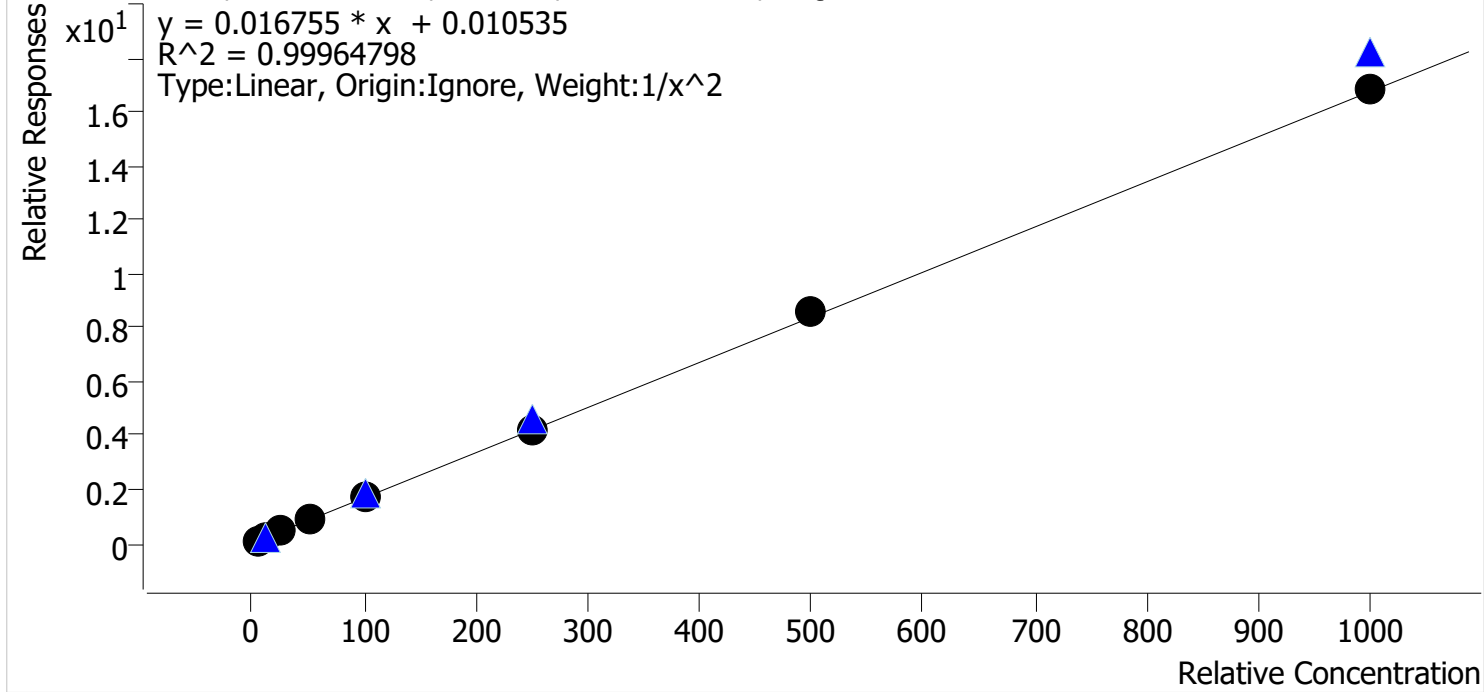
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	511.4	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1008.5	100.8

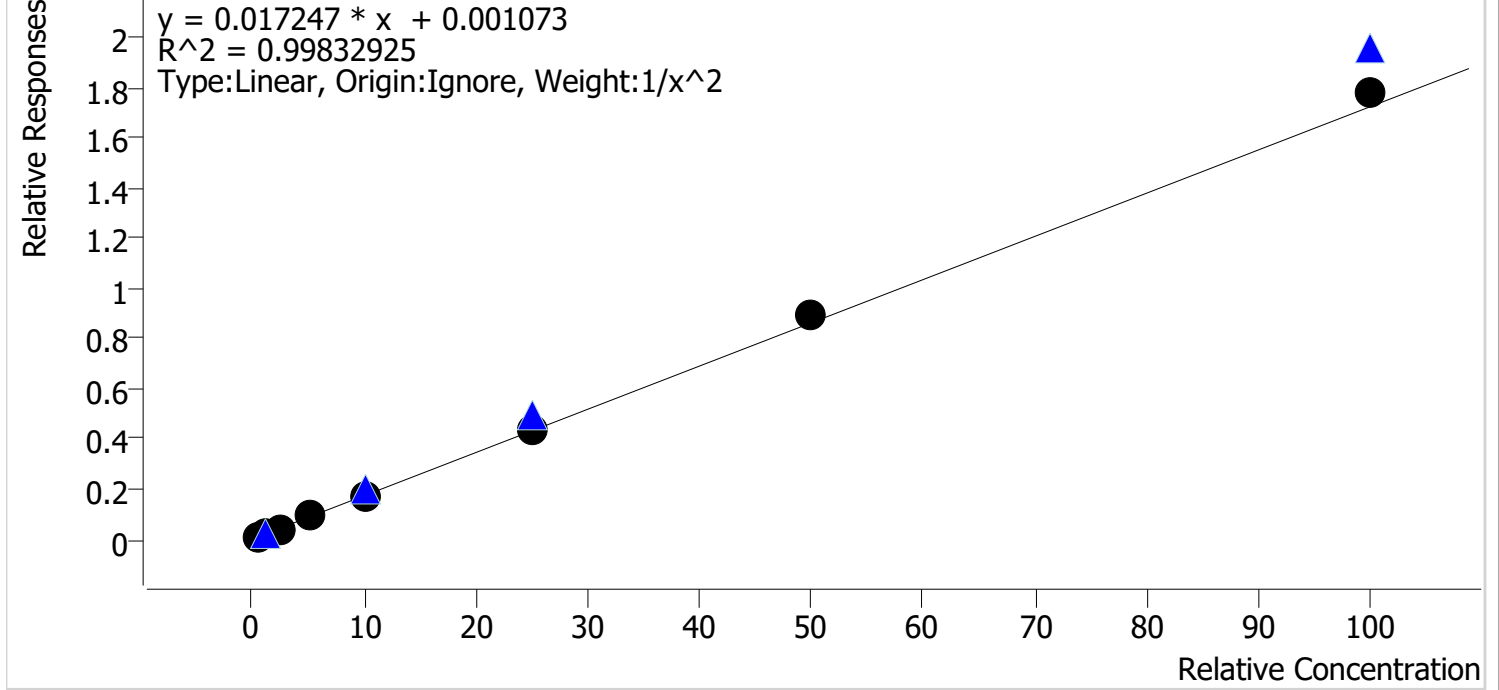
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



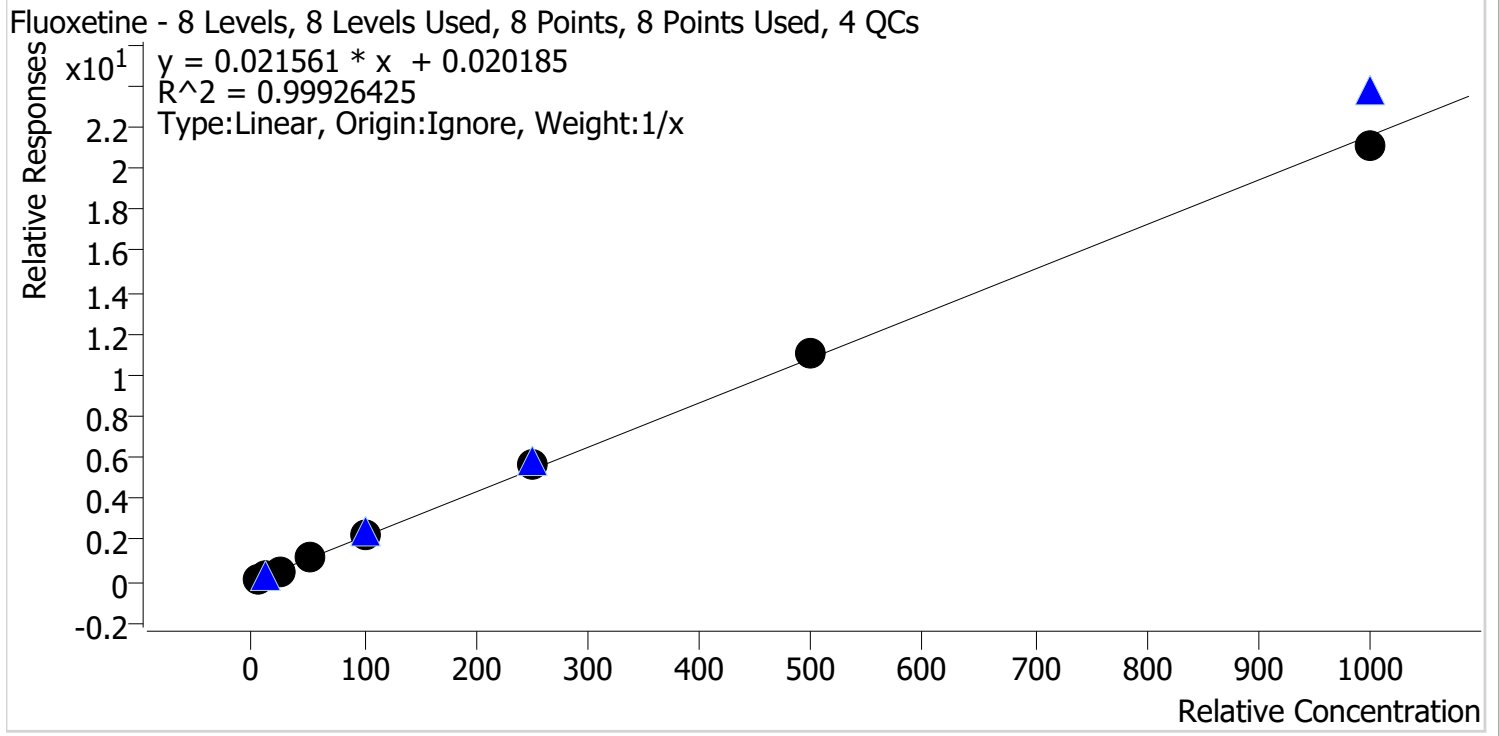
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.6
p1 Cal 2-10ng	2	✓	1.0	1.0	97.1
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.3
p1 Cal 4-50ng	4	✓	5.0	5.1	102.4
p1 Cal 5-100ng	5	✓	10.0	9.9	98.6
p1 Cal 6-250ng	6	✓	25.0	24.9	99.5
p1 Cal 7-500ng	7	✓	50.0	51.7	103.4
p1 Cal 8-1000ng	8	✓	100.0	103.0	103.0

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



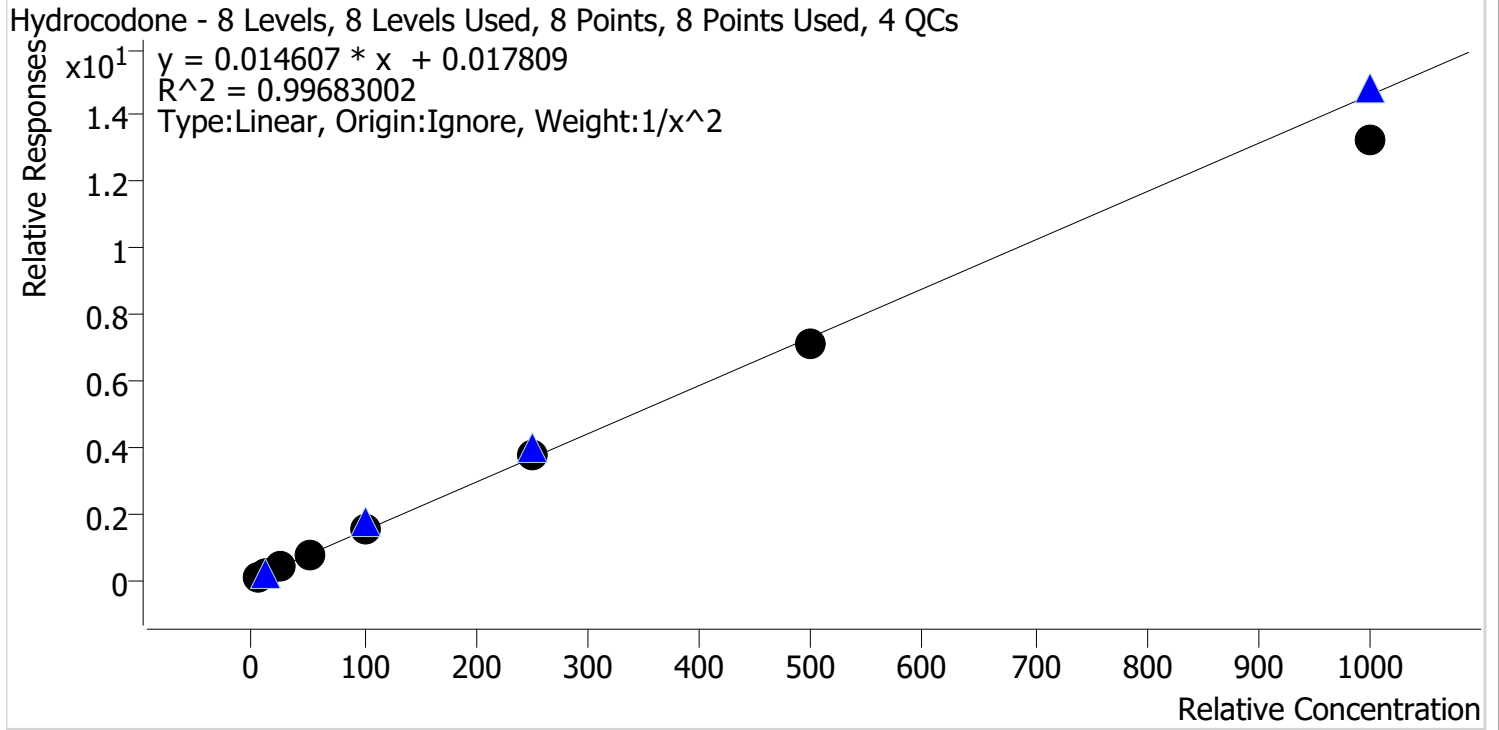
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	23.2	93.0
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	258.1	103.2
p1 Cal 7-500ng	7	✓	500.0	512.3	102.5
p1 Cal 8-1000ng	8	✓	1000.0	977.9	97.8

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.5	105.3
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	488.6	97.7
p1 Cal 8-1000ng	8	✓	1000.0	905.9	90.6

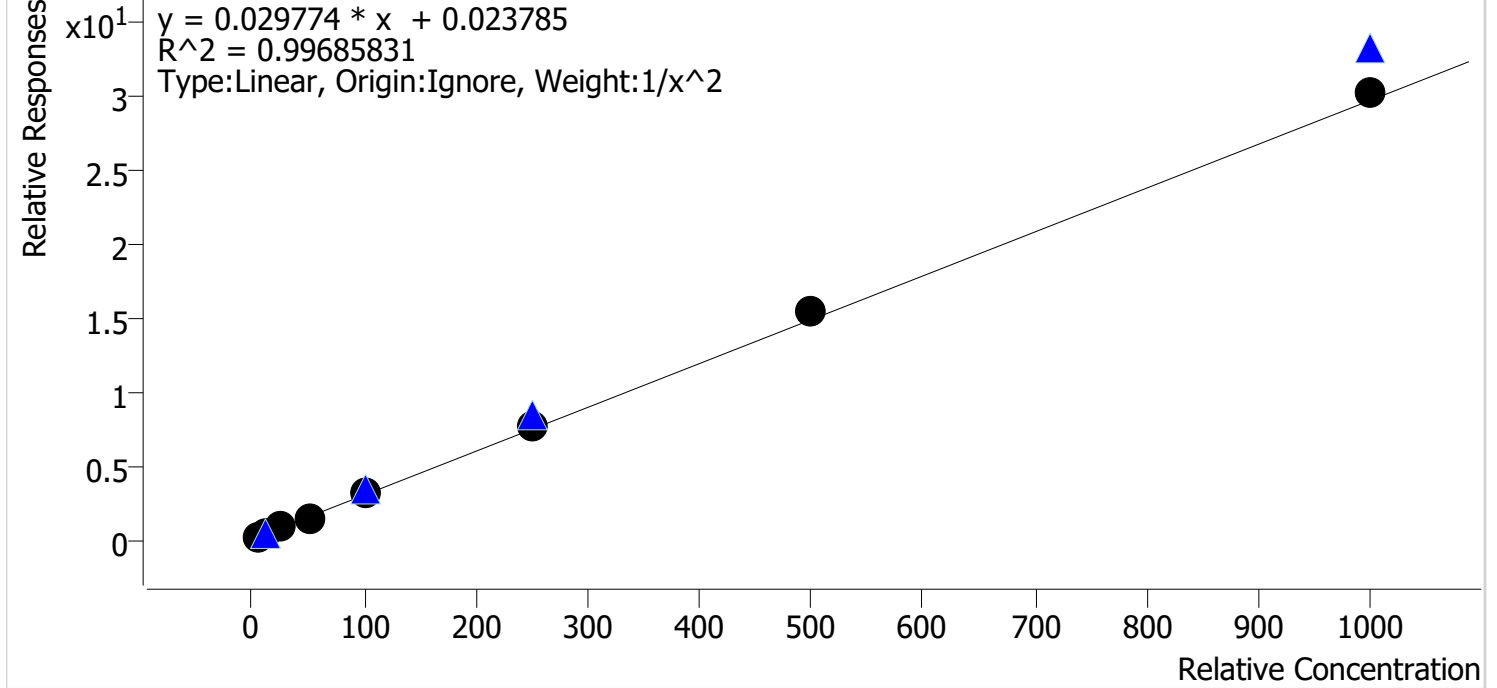
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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



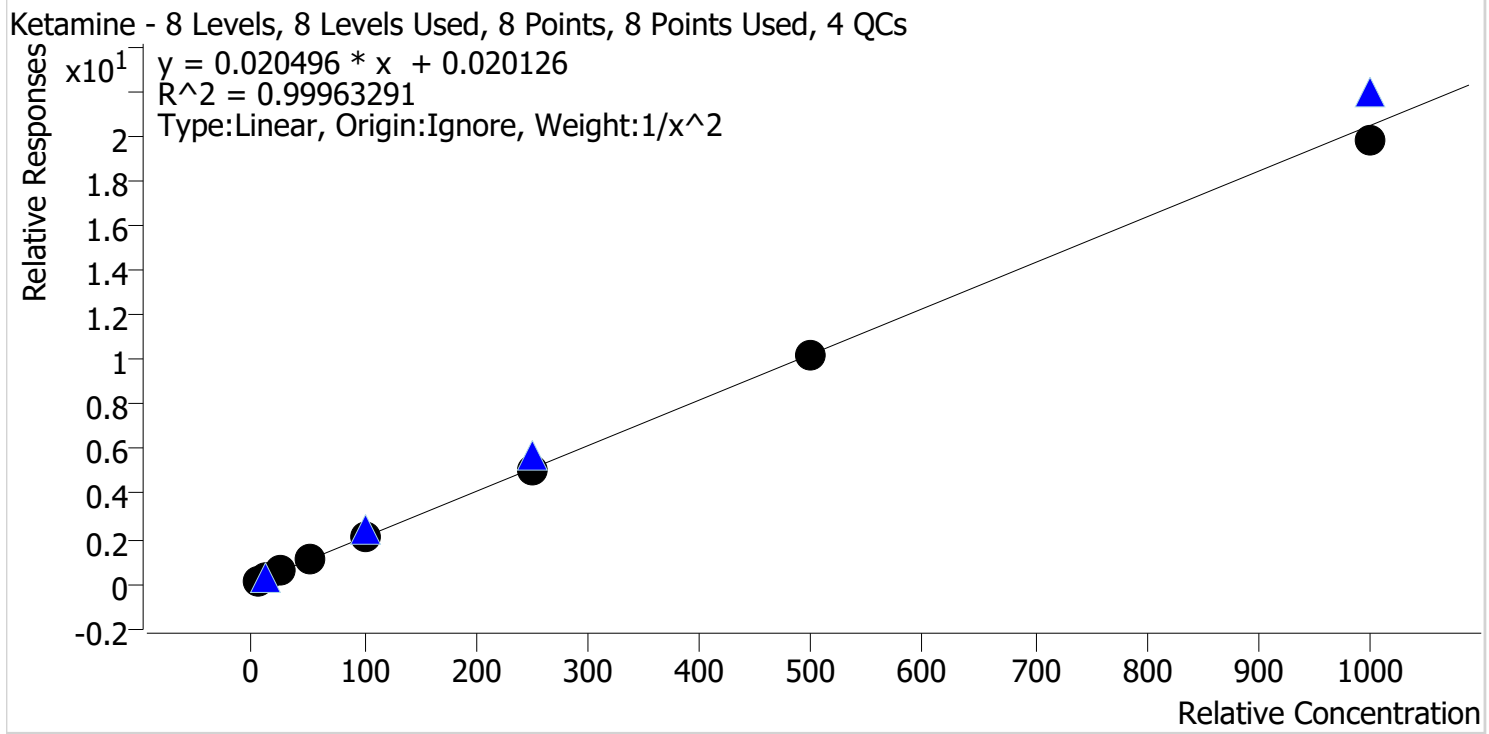
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	44.4	88.8
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	258.1	103.2
p1 Cal 7-500ng	7	✓	500.0	518.4	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1022.2	102.2

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	250.6	100.3
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	966.6	96.7



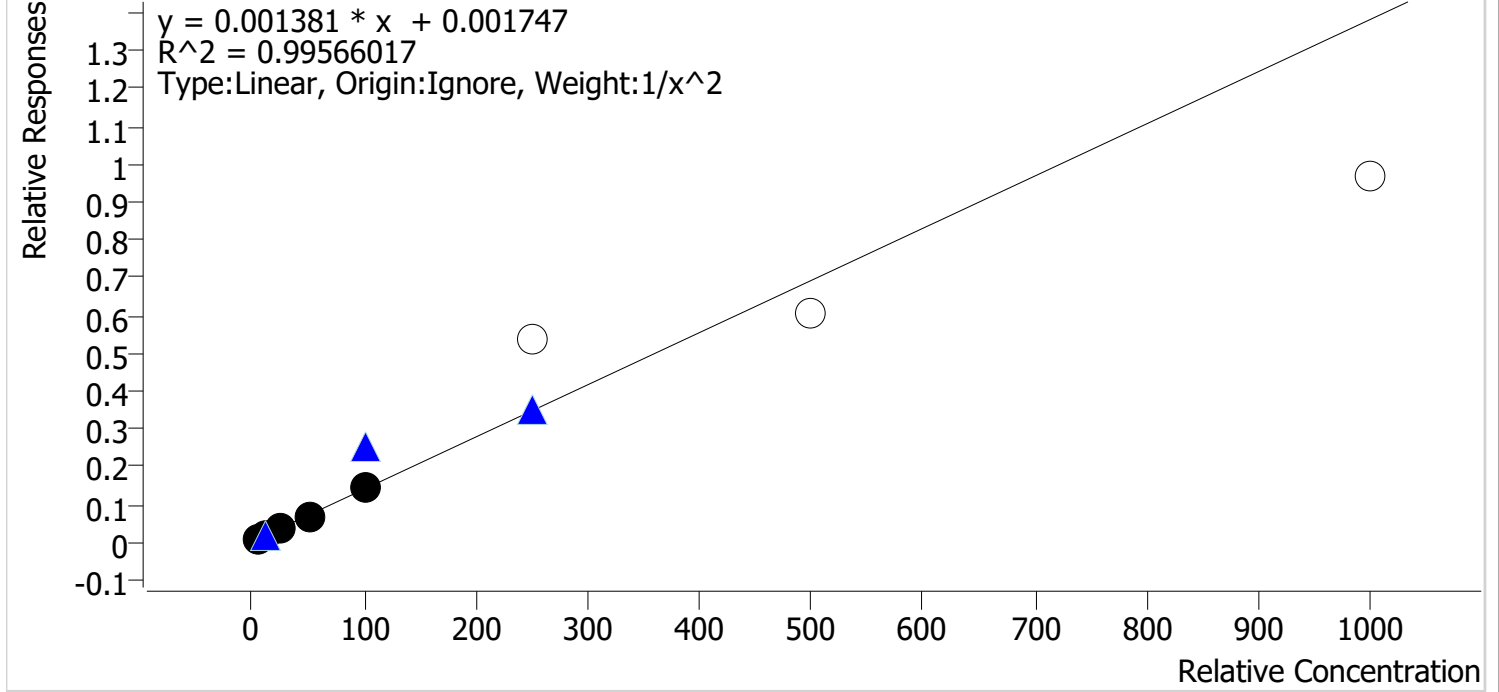
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4

Lamotrigine - 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	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	47.8	95.6
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✗	250.0	390.7	156.3
p1 Cal 7-500ng	7	✗	500.0	435.5	87.1
p1 Cal 8-1000ng	8	✗	1000.0	698.4	69.8

Calibrators 6-8 dropped due to not meeting accuracy requirement

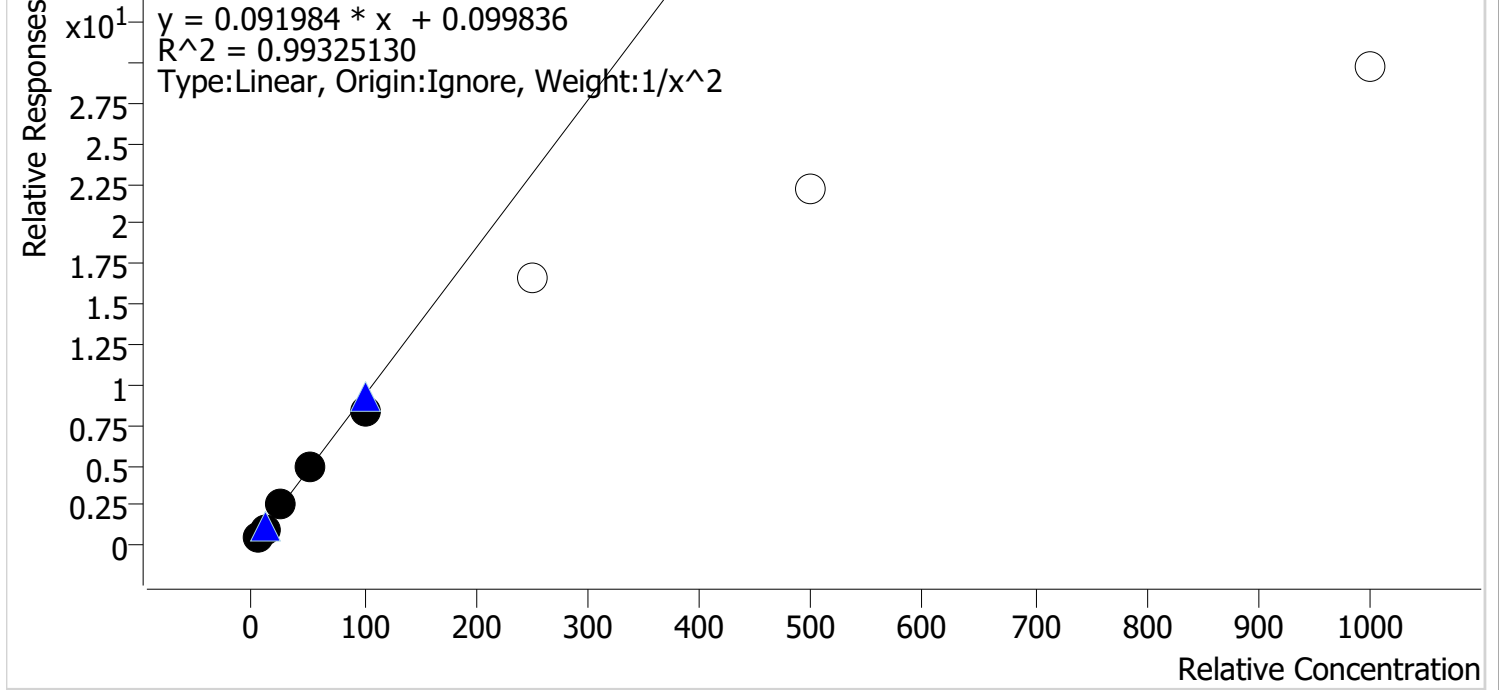
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**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	96.4
p1 Cal 2-10ng	2	✓	10.0	10.6	105.9
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	90.6	90.6
p1 Cal 6-250ng	6	✗	250.0	181.1	72.4
p1 Cal 7-500ng	7	✗	500.0	239.7	47.9
p1 Cal 8-1000ng	8	✗	1000.0	323.4	32.3

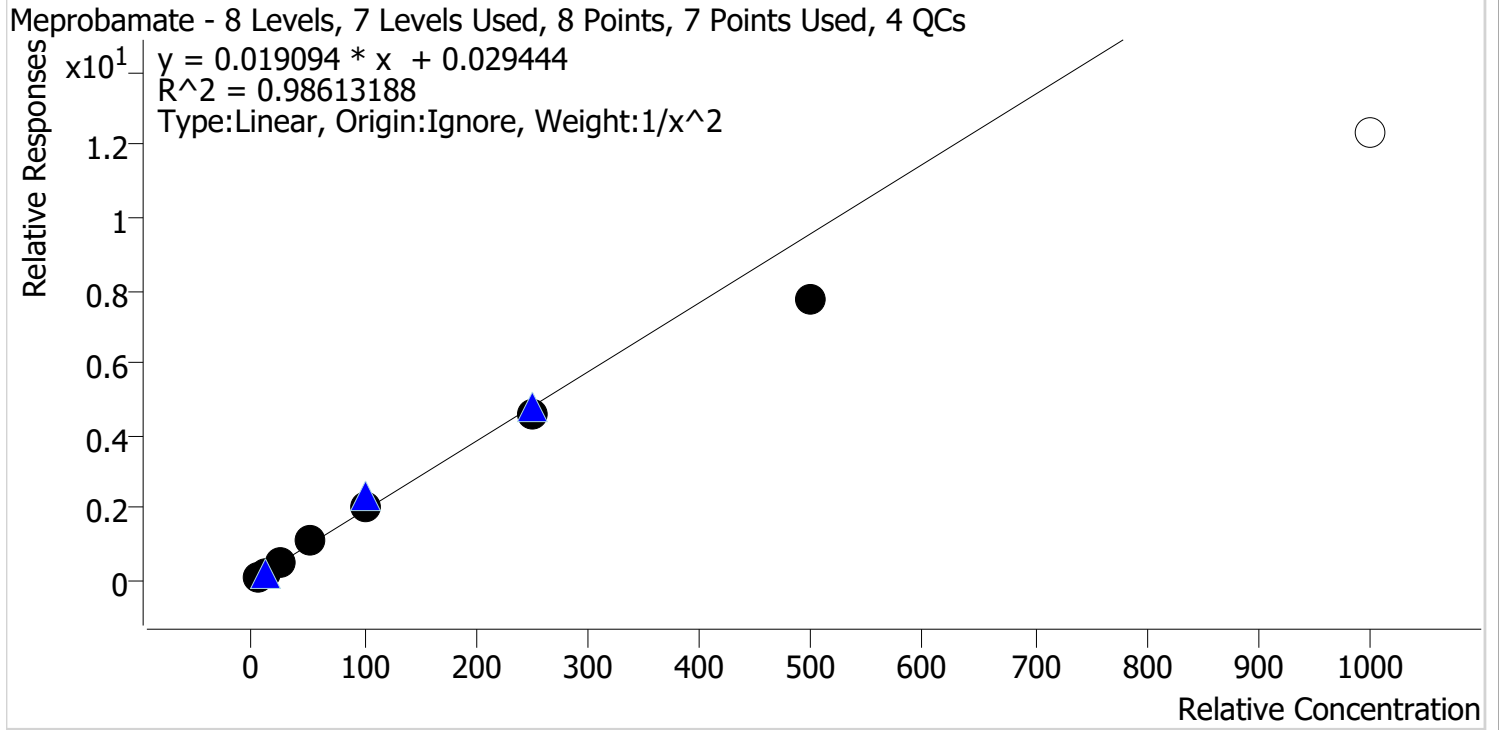
Calibrators 6-8 dropped due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.0
p1 Cal 4-50ng	4	✓	50.0	55.5	110.9
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	241.1	96.4
p1 Cal 7-500ng	7	✓	500.0	404.6	80.9
p1 Cal 8-1000ng	8	✗	1000.0	644.8	64.5

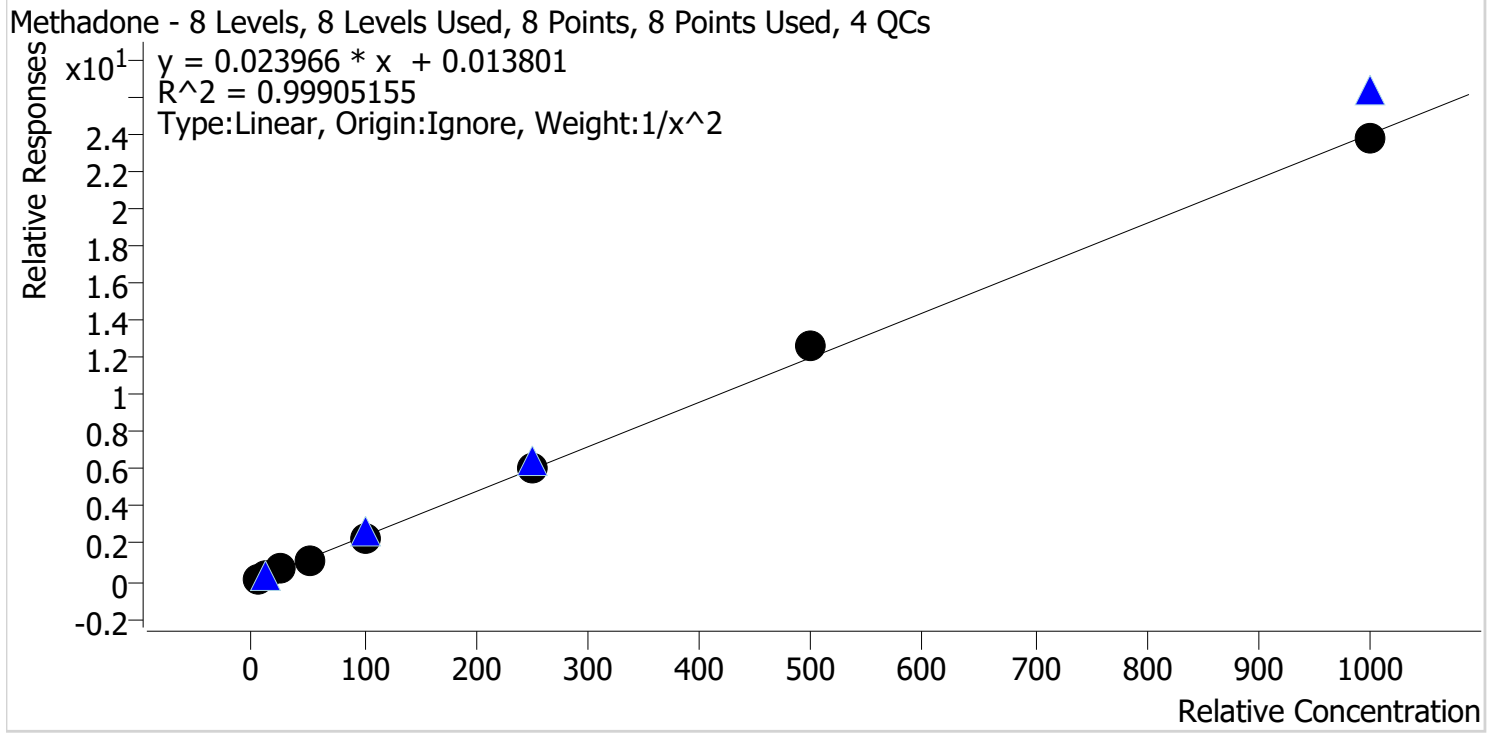
Calibrators 8 dropped due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9



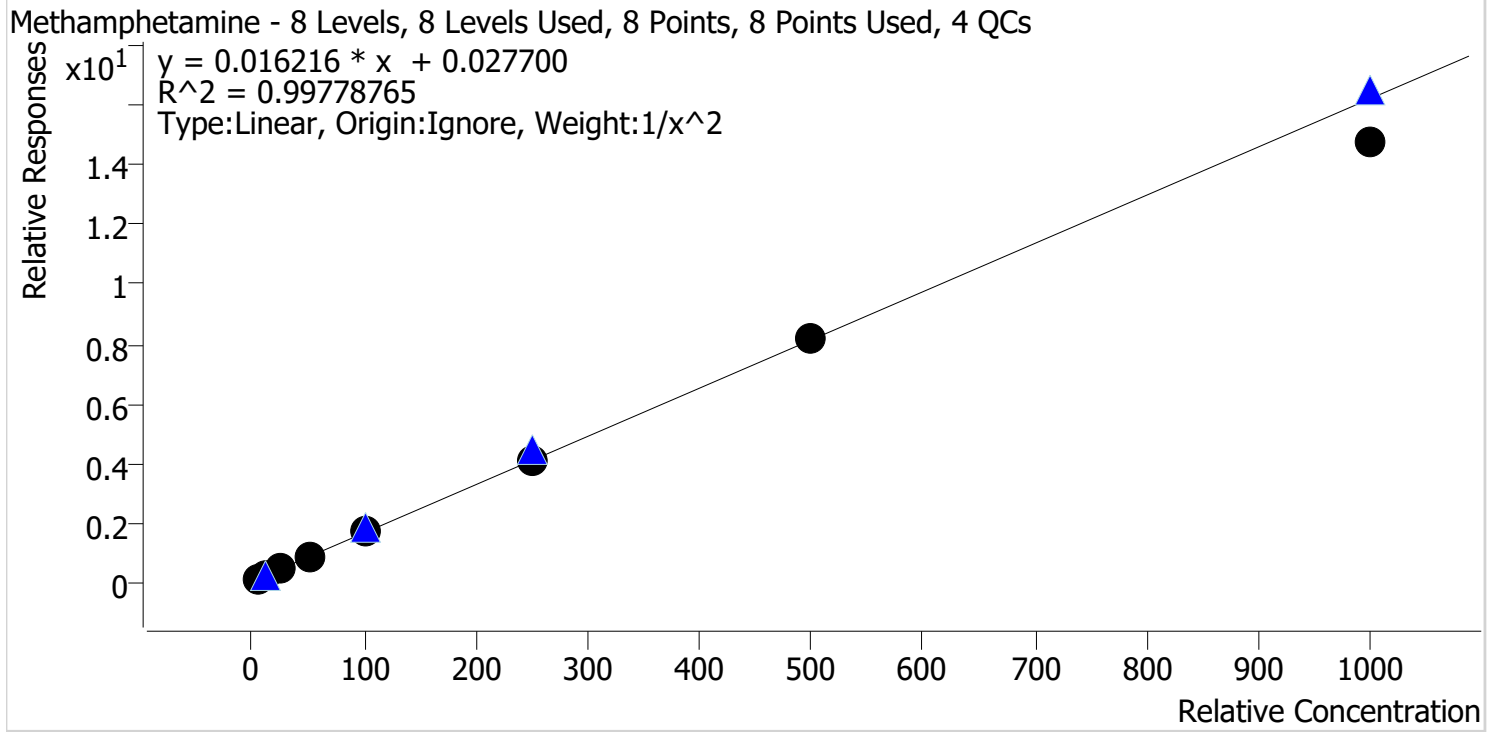
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	528.8	105.8
p1 Cal 8-1000ng	8	✓	1000.0	992.8	99.3

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



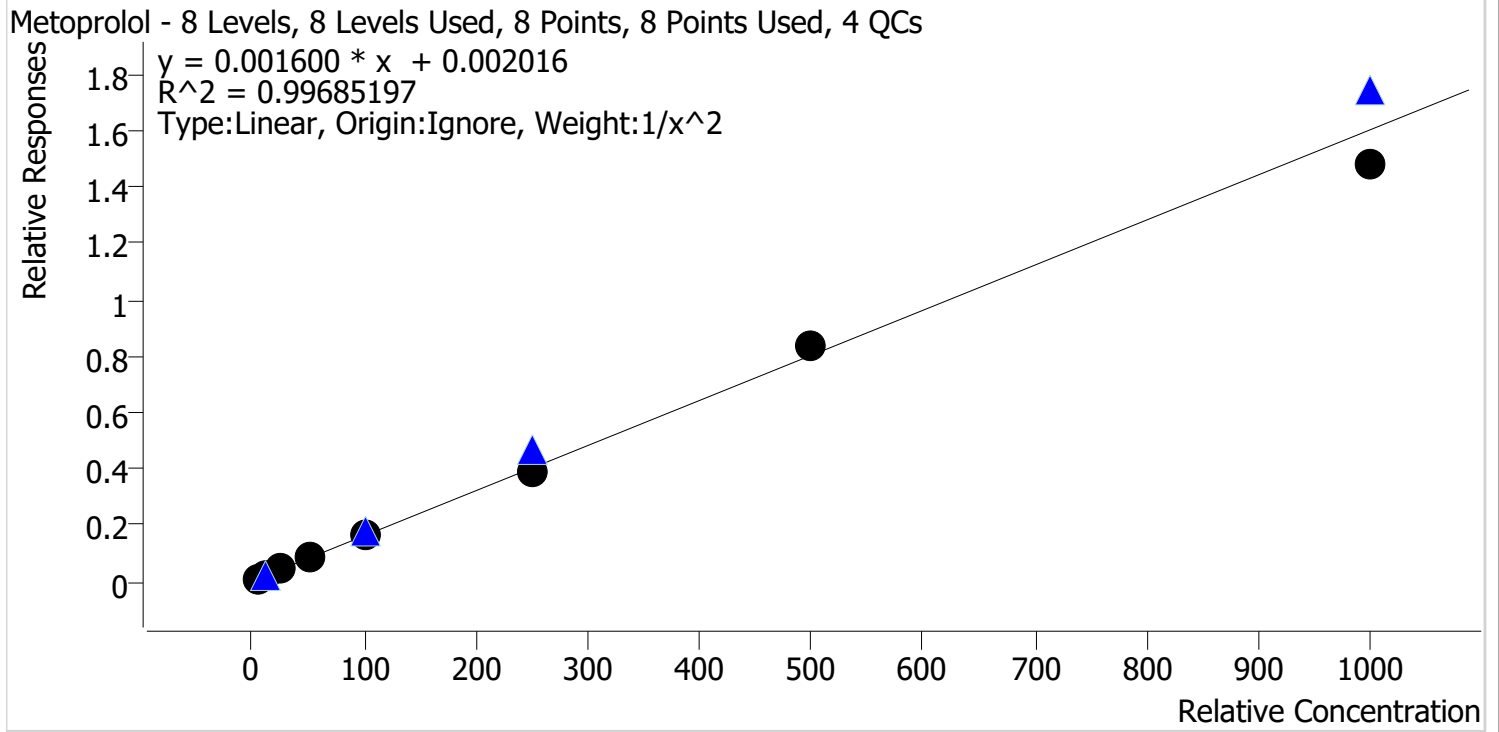
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	247.6	99.1
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	911.7	91.2

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



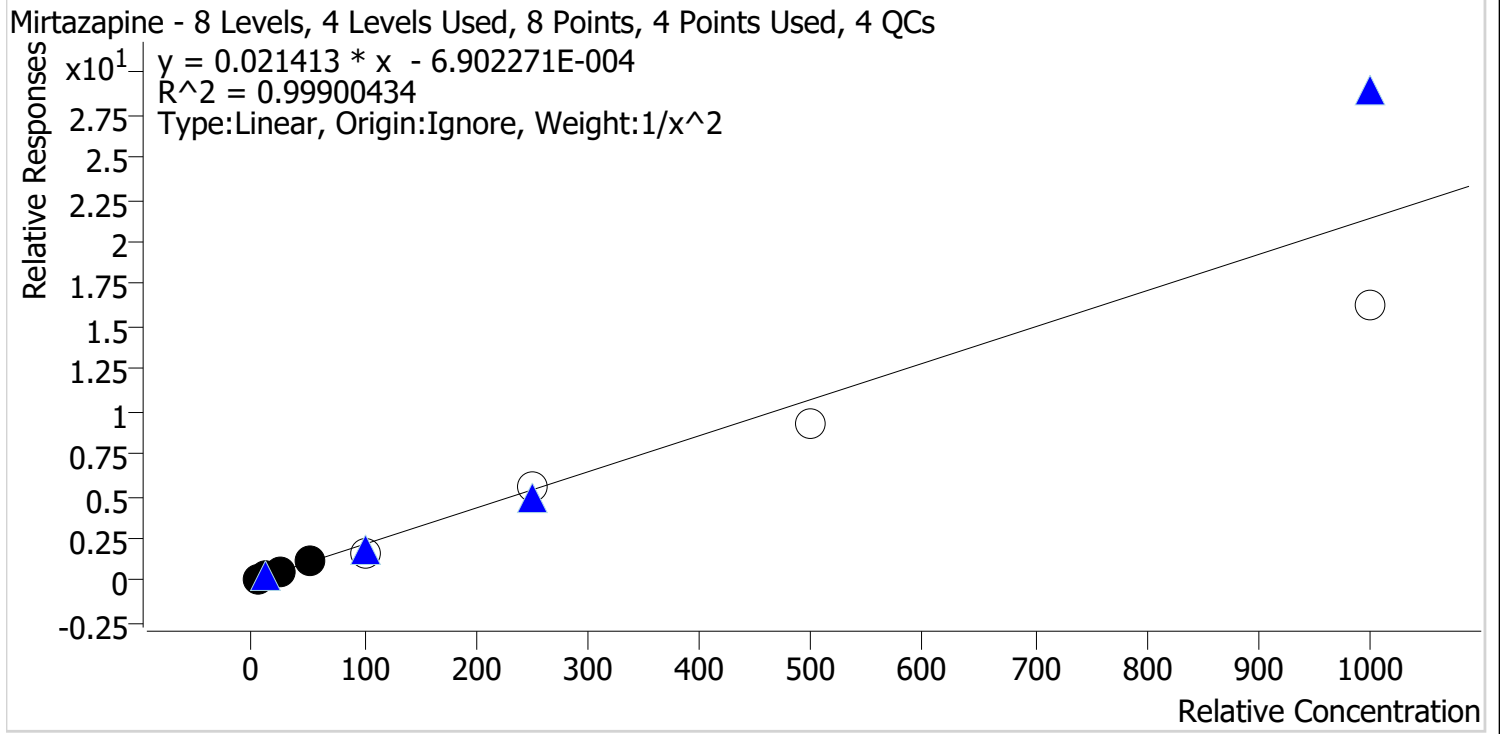
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.5	105.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	240.4	96.1
p1 Cal 7-500ng	7	✓	500.0	520.7	104.1
p1 Cal 8-1000ng	8	✓	1000.0	926.1	92.6

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✗	100.0	72.8	72.8
p1 Cal 6-250ng	6	✗	250.0	261.0	104.4
p1 Cal 7-500ng	7	✗	500.0	432.6	86.5
p1 Cal 8-1000ng	8	✗	1000.0	758.6	75.9

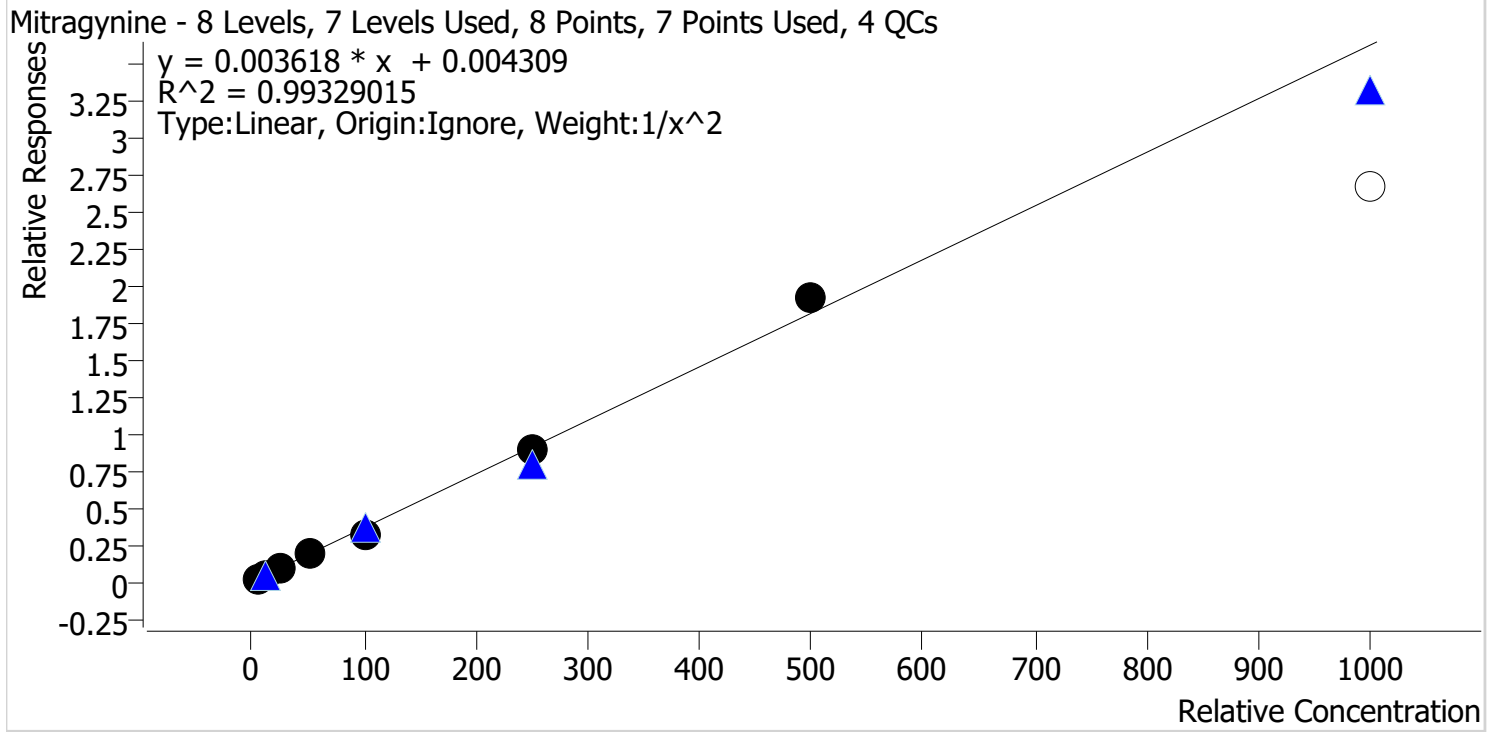
Compound not evaluated due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	11.0	109.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	88.7	88.7
p1 Cal 6-250ng	6	✓	250.0	243.3	97.3
p1 Cal 7-500ng	7	✓	500.0	526.7	105.3
p1 Cal 8-1000ng	8	✗	1000.0	735.2	73.5

Calibrator 8 dropped due to not meeting accuracy requirement

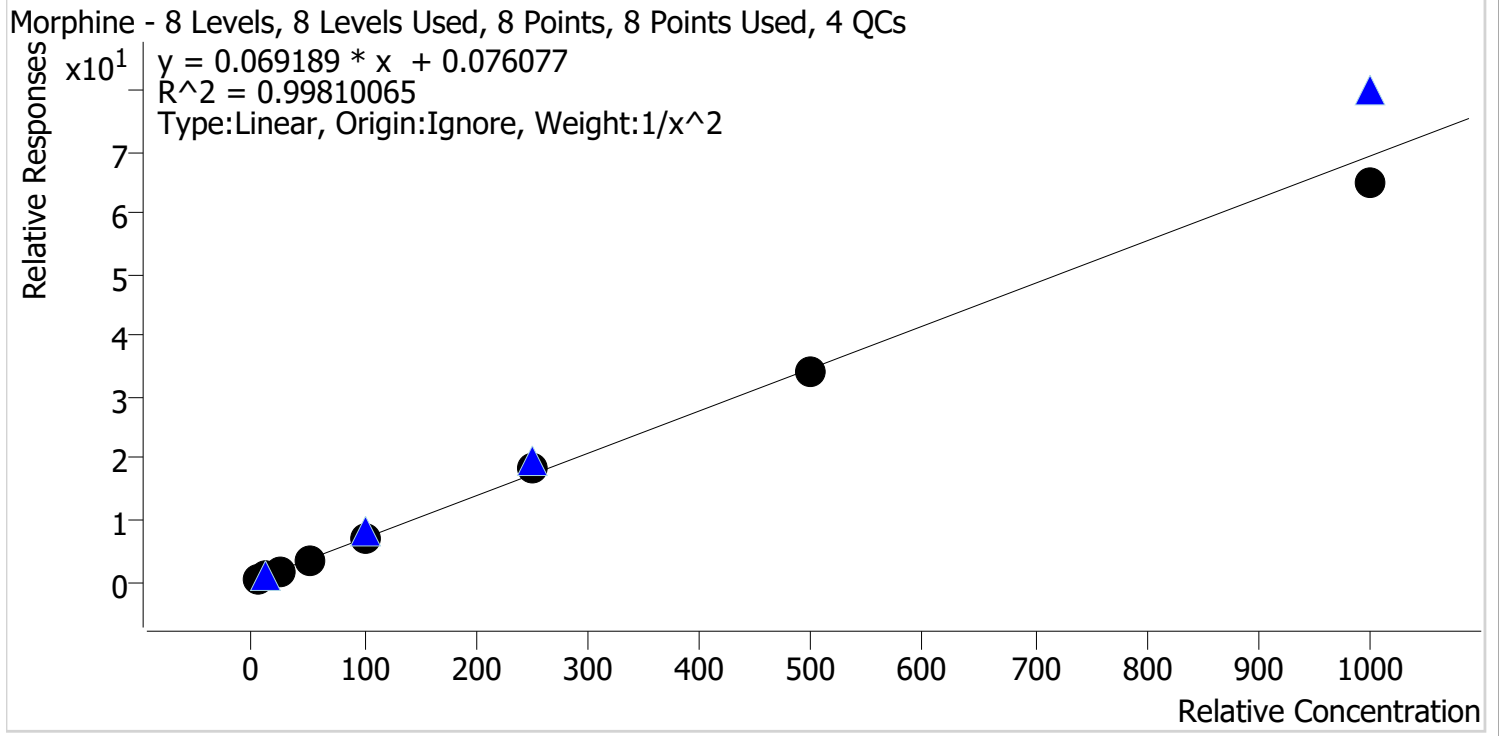


SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	264.8	105.9
p1 Cal 7-500ng	7	✓	500.0	491.4	98.3
p1 Cal 8-1000ng	8	✓	1000.0	939.8	94.0

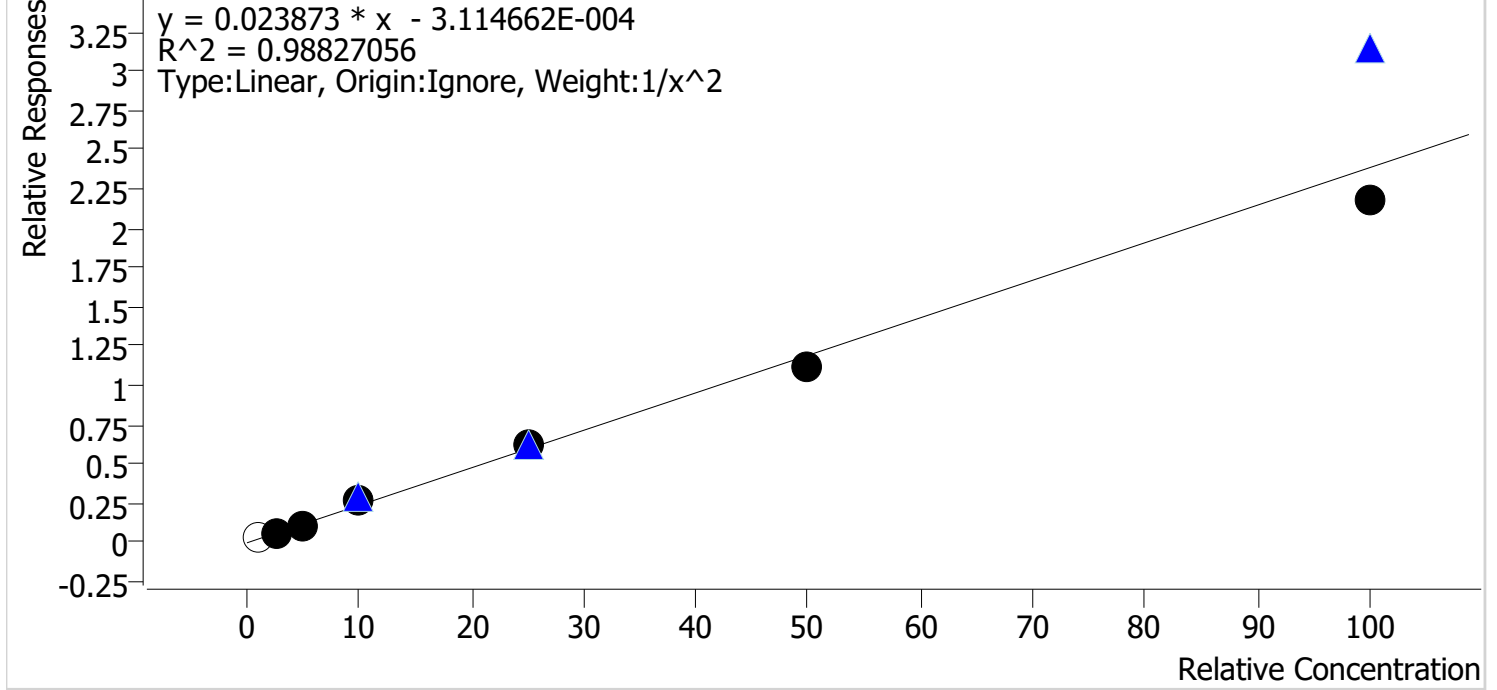
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 7 Levels, 6 Levels Used, 7 Points, 6 Points Used, 3 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	x	1.0	1.6	164.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.9
p1 Cal 4-50ng	4	✓	5.0	4.8	96.6
p1 Cal 5-100ng	5	✓	10.0	11.5	115.2
p1 Cal 6-250ng	6	✓	25.0	26.2	104.7
p1 Cal 7-500ng	7	✓	50.0	47.2	94.5
p1 Cal 8-1000ng	8	✓	100.0	91.1	91.1

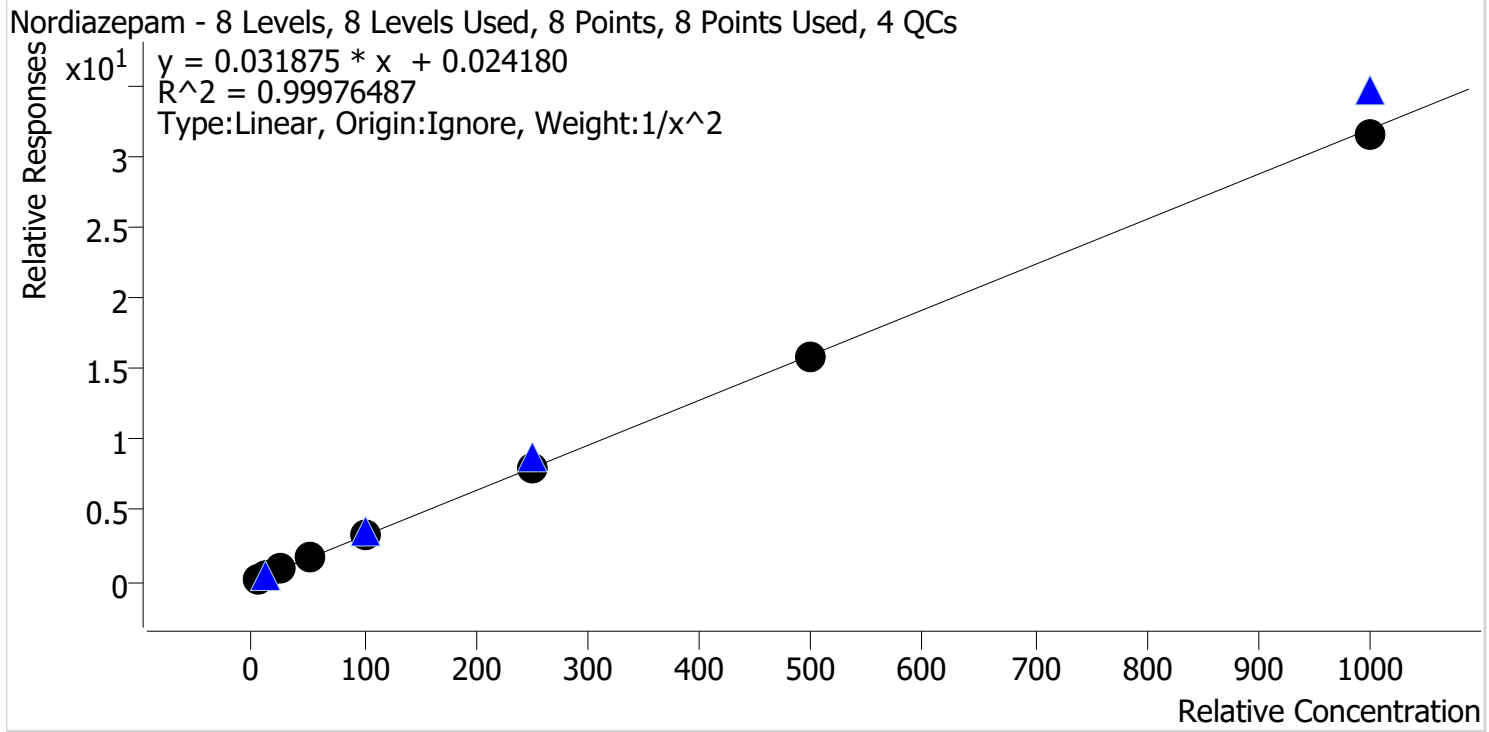
Calibrators 1 and 2 dropped due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



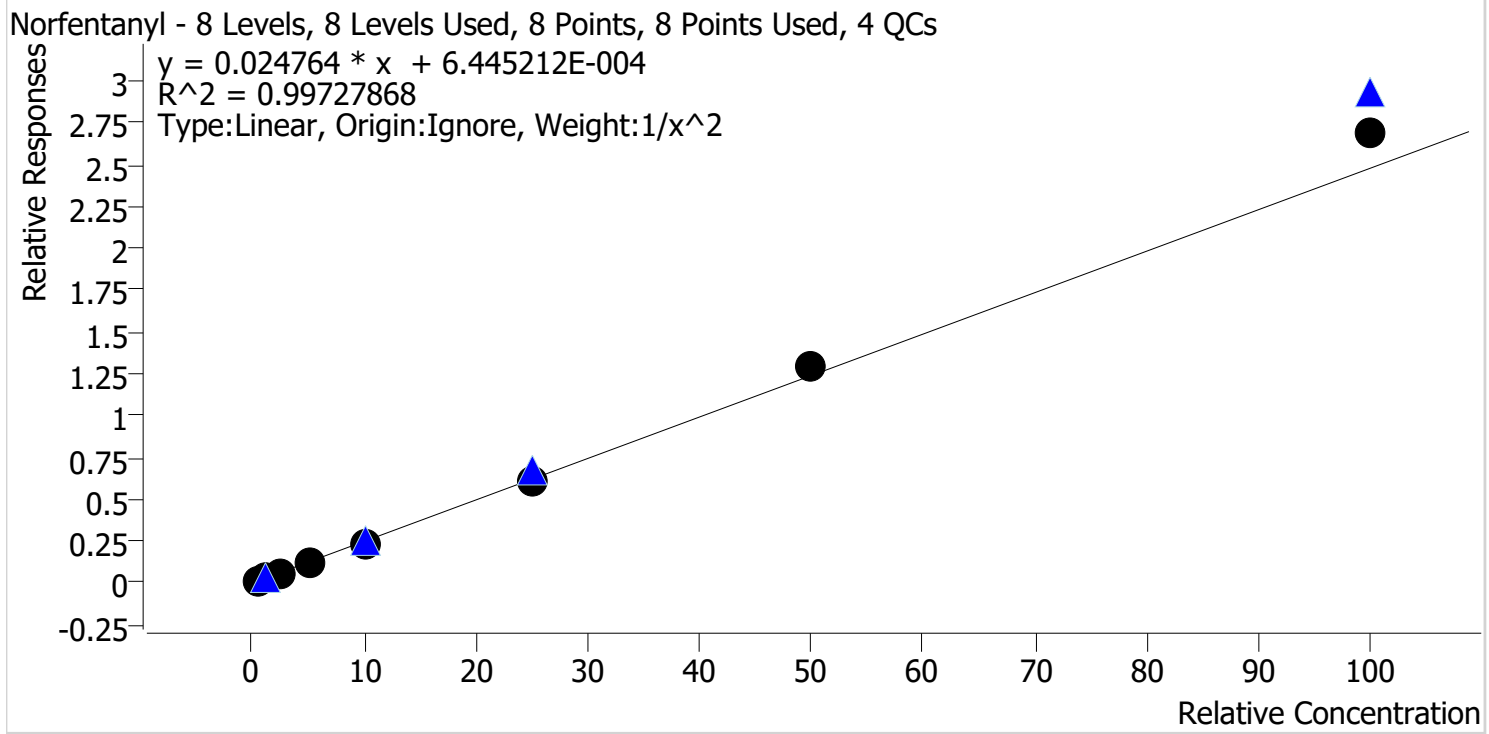
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	986.1	98.6

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl Internal Standard Norfentanyl-D5



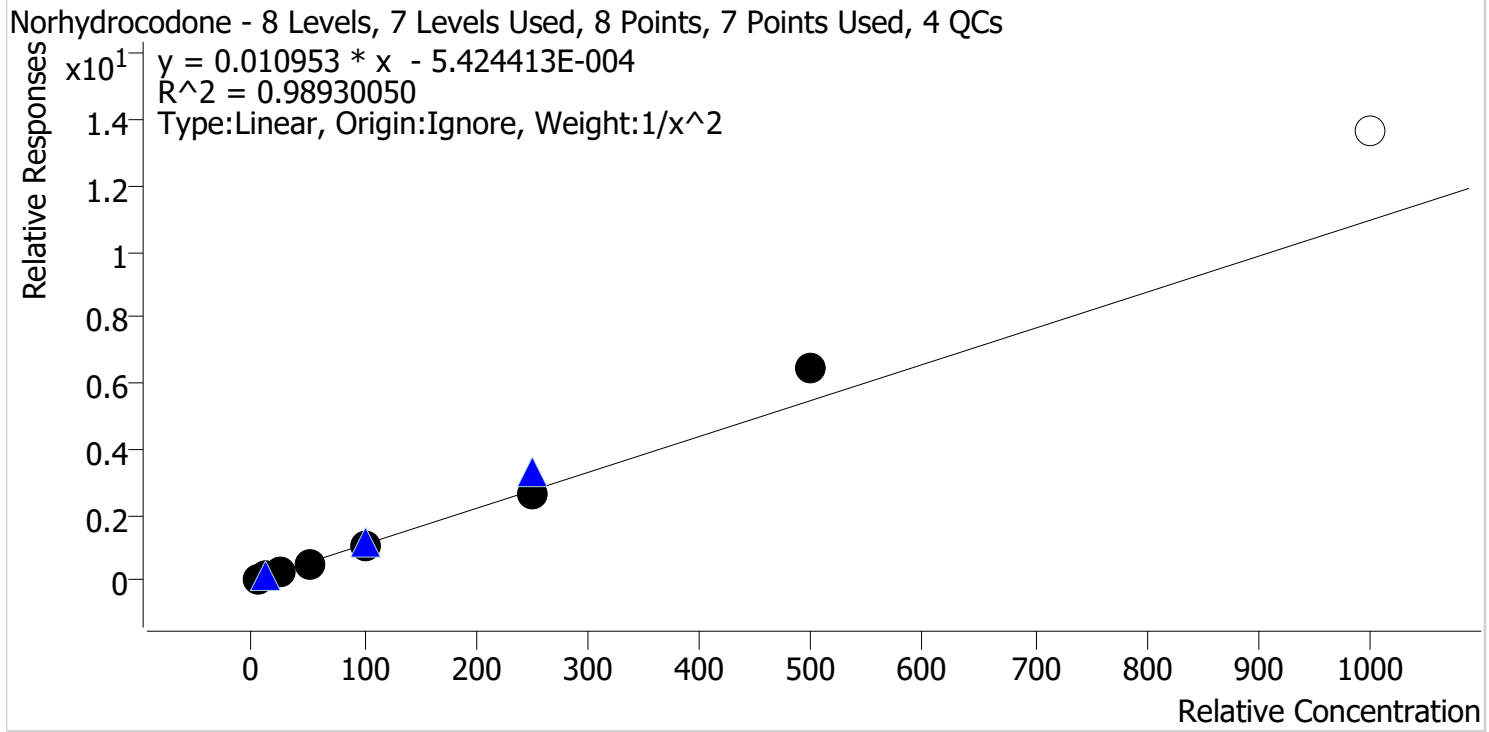
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.7
p1 Cal 2-10ng	2	✓	1.0	1.0	99.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.4
p1 Cal 4-50ng	4	✓	5.0	4.8	96.3
p1 Cal 5-100ng	5	✓	10.0	9.6	96.0
p1 Cal 6-250ng	6	✓	25.0	24.5	97.9
p1 Cal 7-500ng	7	✓	50.0	51.9	103.8
p1 Cal 8-1000ng	8	✓	100.0	108.9	108.9

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	47.4	94.7
p1 Cal 5-100ng	5	✓	100.0	93.4	93.4
p1 Cal 6-250ng	6	✓	250.0	242.4	97.0
p1 Cal 7-500ng	7	✓	500.0	592.9	118.6
p1 Cal 8-1000ng	8	✗	1000.0	1245.1	124.5

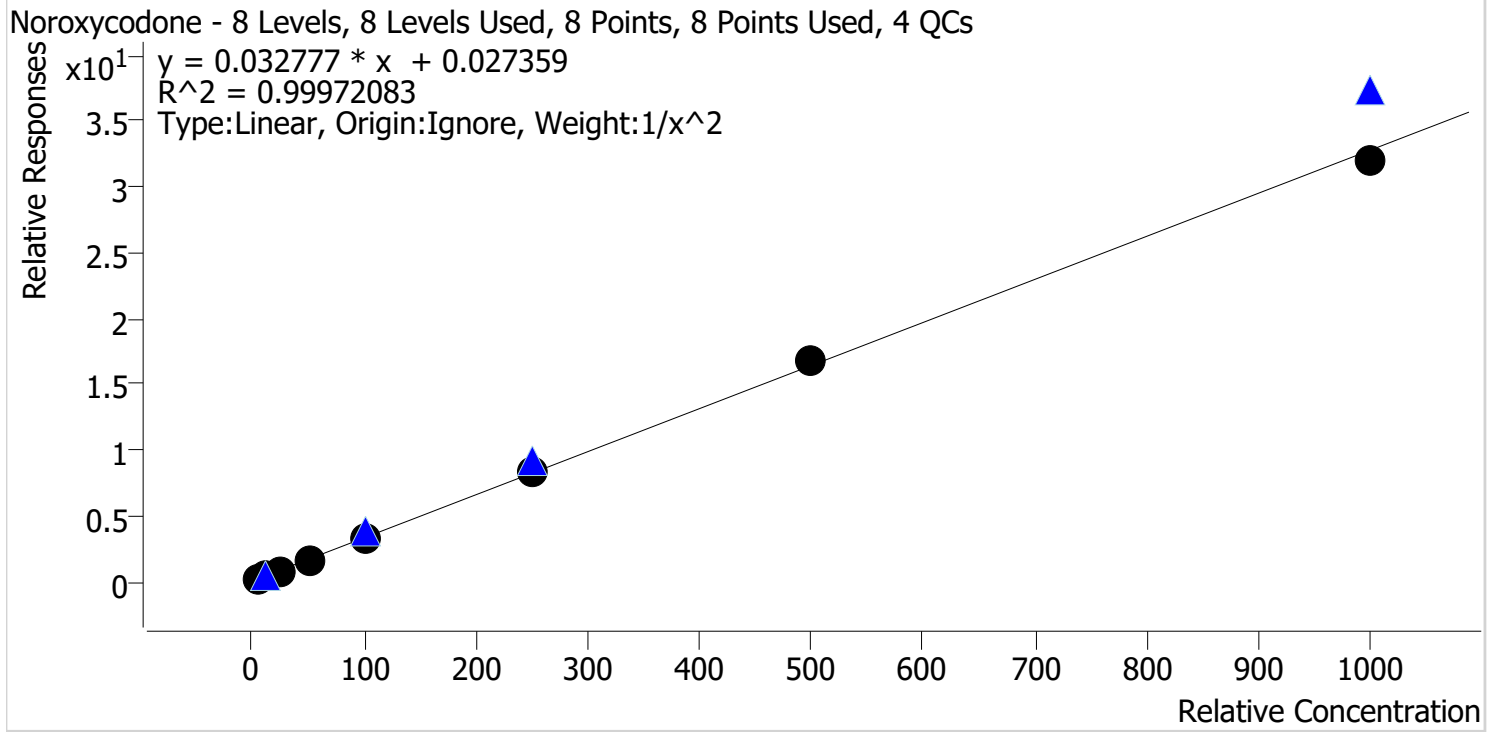
Calibrator 8 dropped due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	510.8	102.2
p1 Cal 8-1000ng	8	✓	1000.0	976.7	97.7

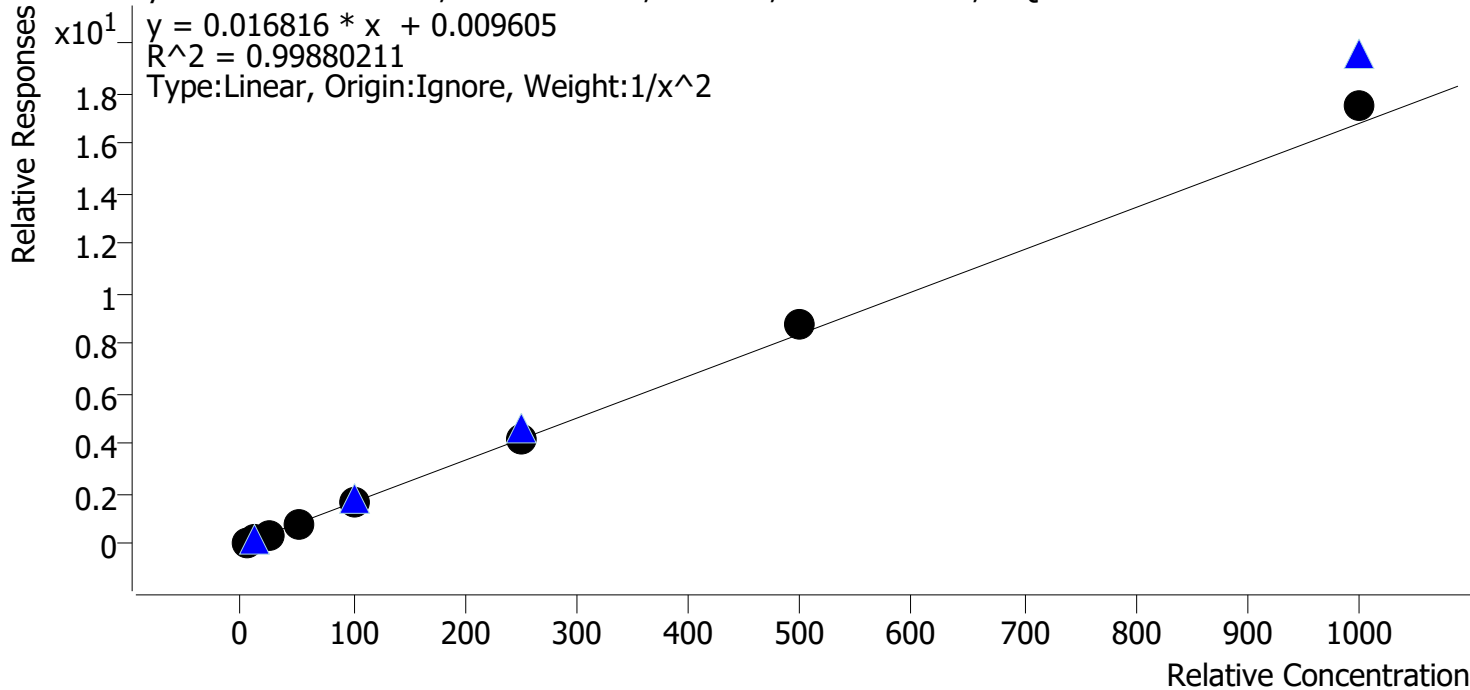
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

O-desmethyl-tramadol - 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	101.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	520.5	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1039.1	103.9

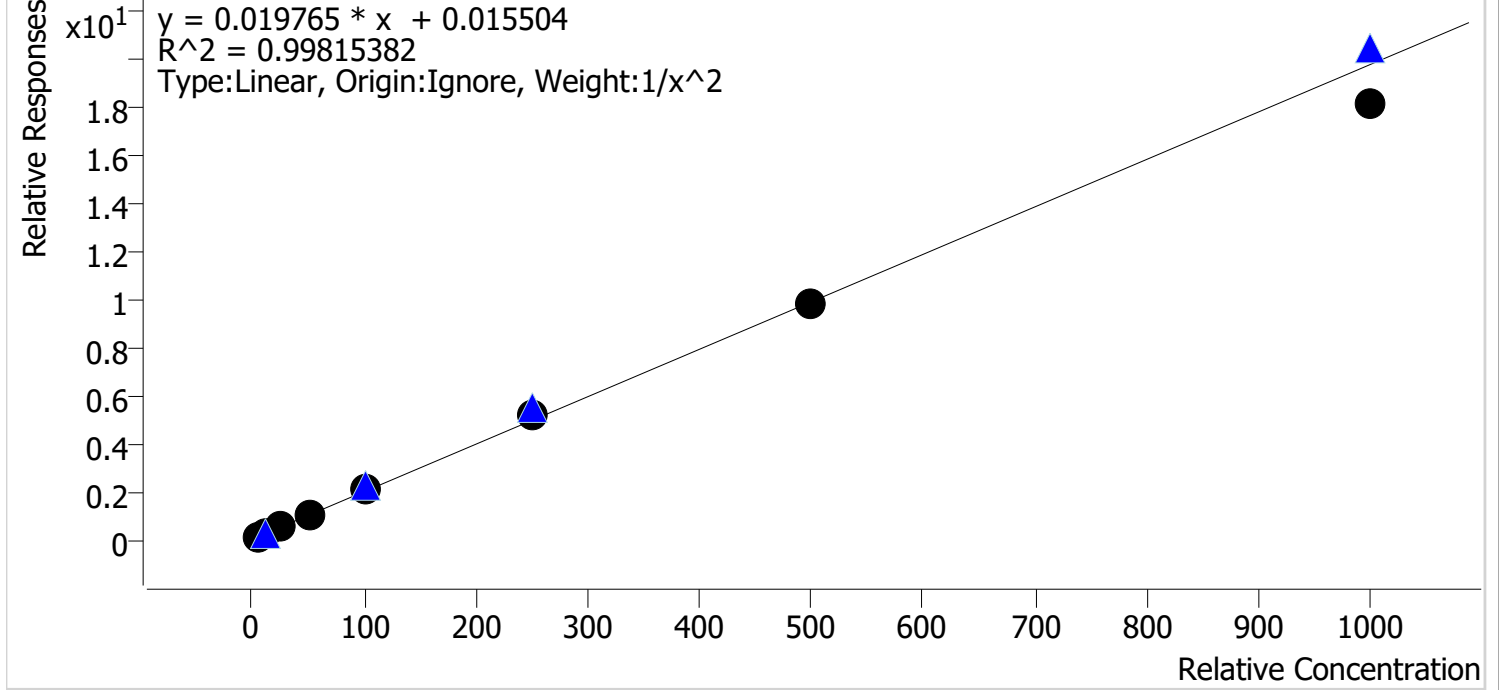
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

Oxazepam - 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	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	259.3	103.7
p1 Cal 7-500ng	7	✓	500.0	495.0	99.0
p1 Cal 8-1000ng	8	✓	1000.0	917.6	91.8



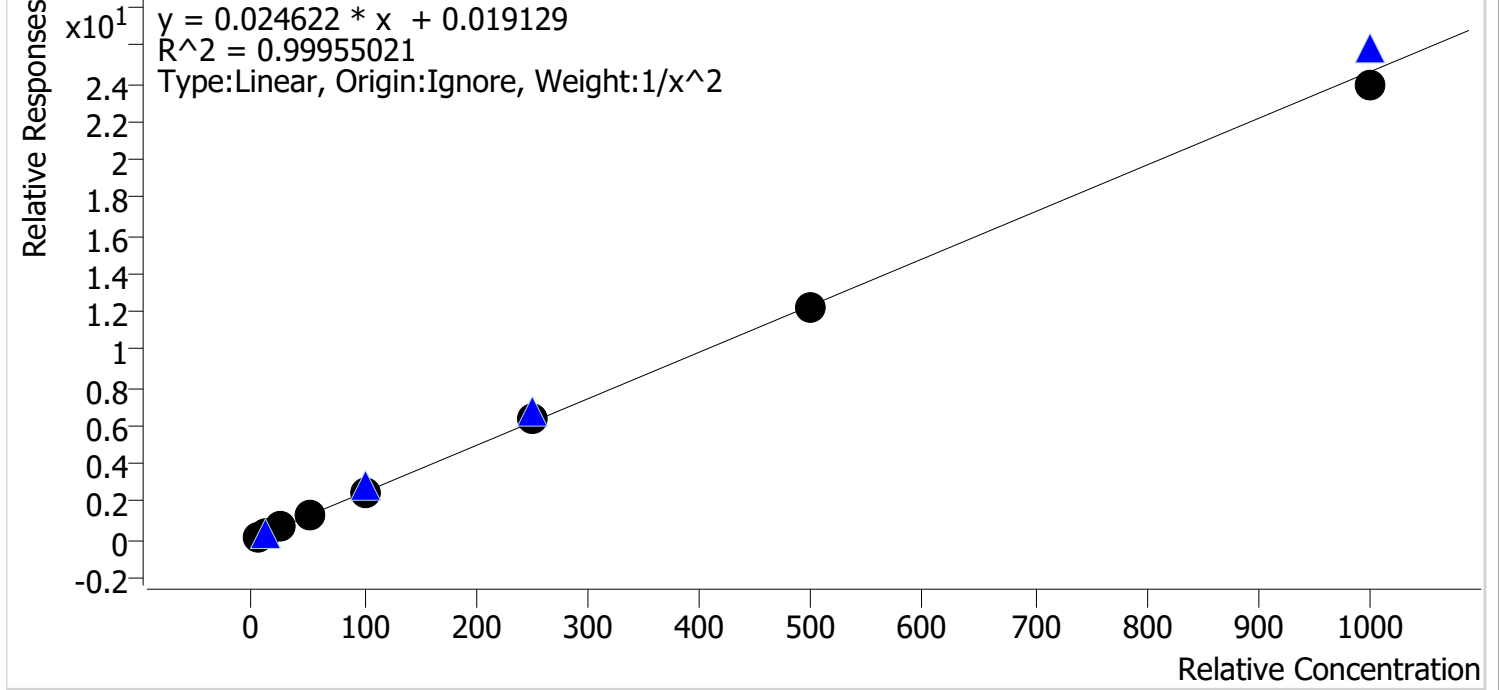
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



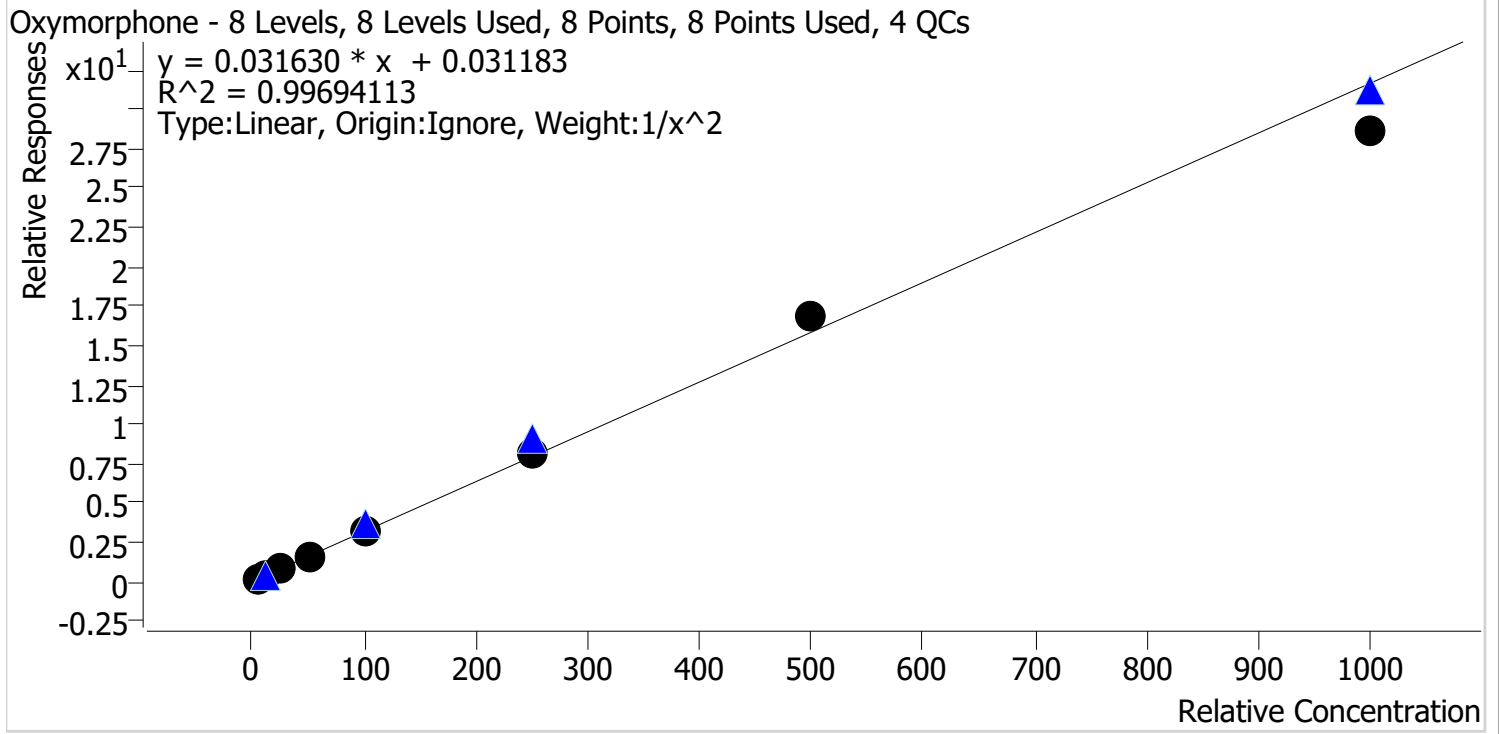
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	256.8	102.7
p1 Cal 7-500ng	7	✓	500.0	495.3	99.1
p1 Cal 8-1000ng	8	✓	1000.0	971.4	97.1

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



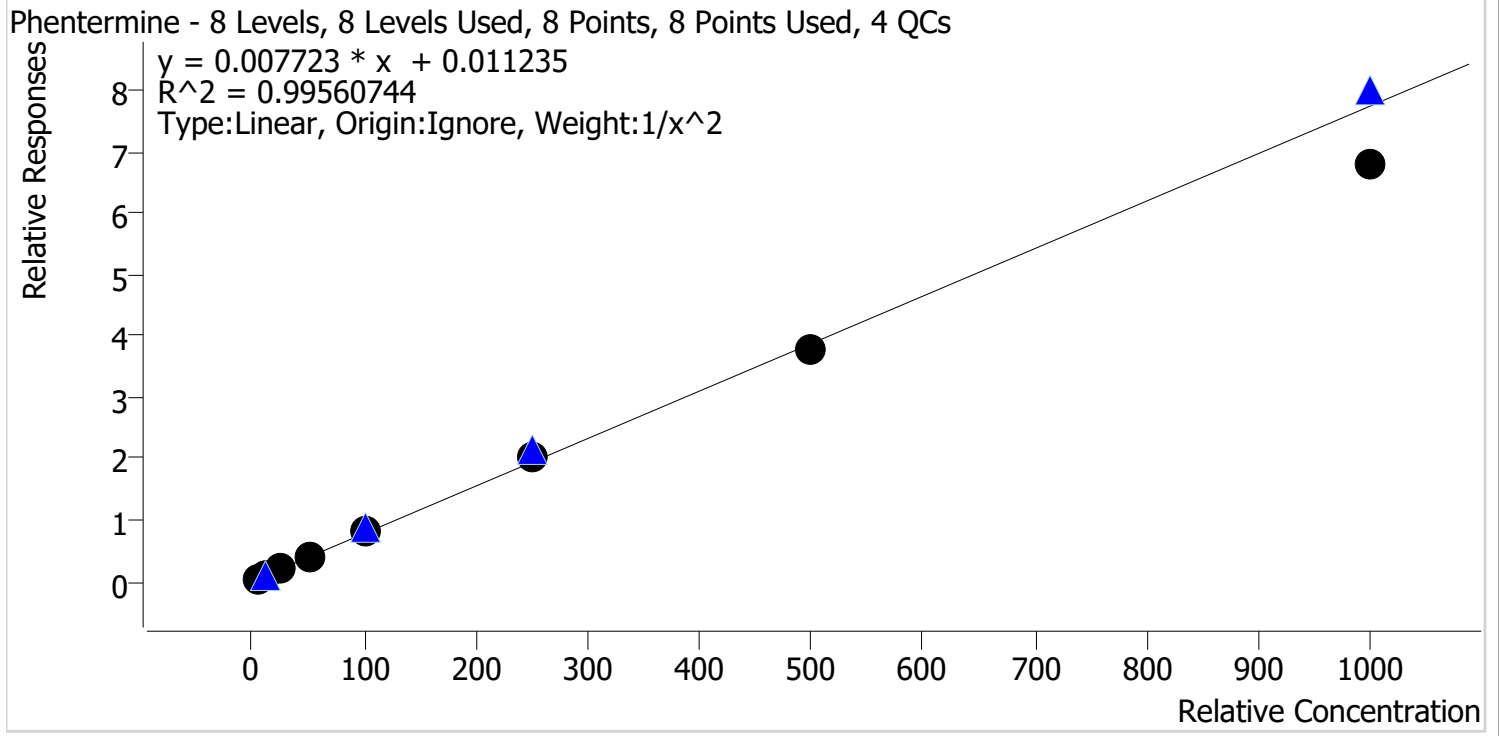
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	533.1	106.6
p1 Cal 8-1000ng	8	✓	1000.0	901.7	90.2

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	260.6	104.2
p1 Cal 7-500ng	7	✓	500.0	488.0	97.6
p1 Cal 8-1000ng	8	✓	1000.0	874.4	87.4

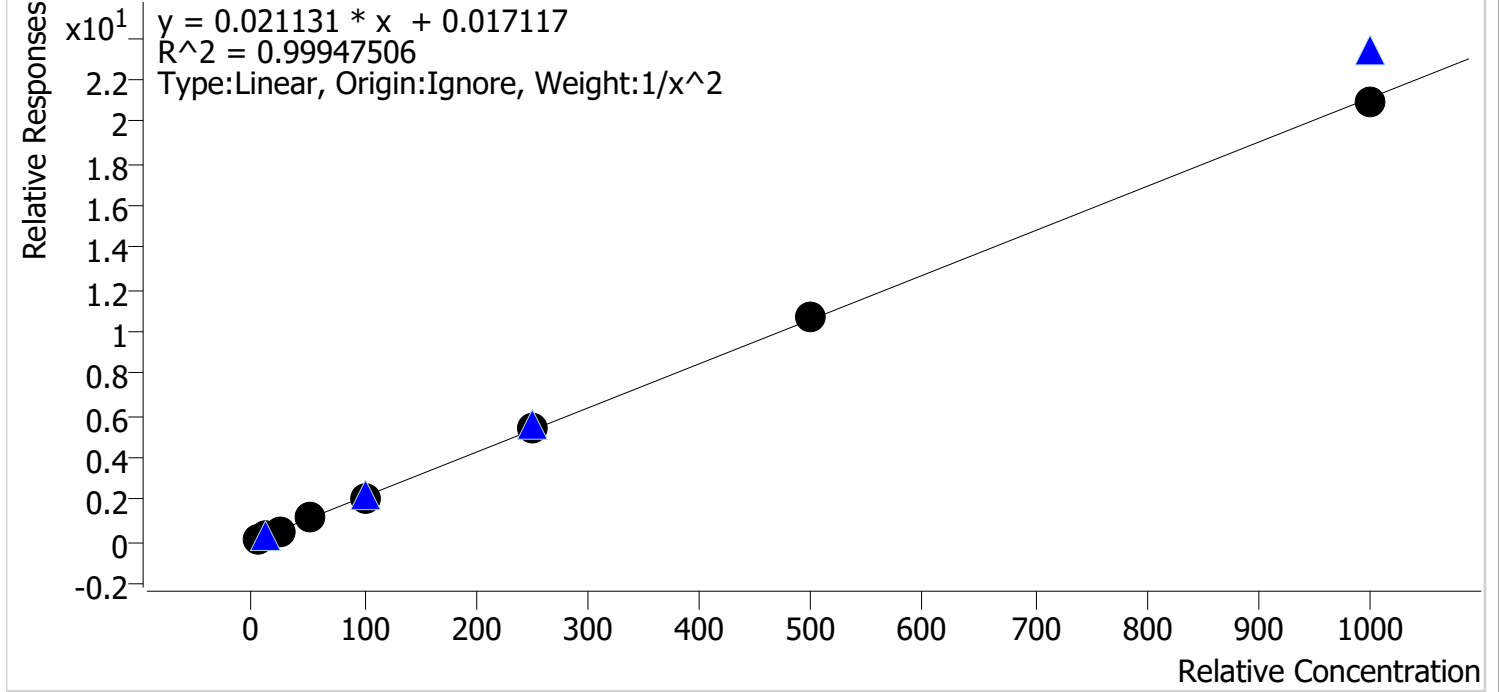
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



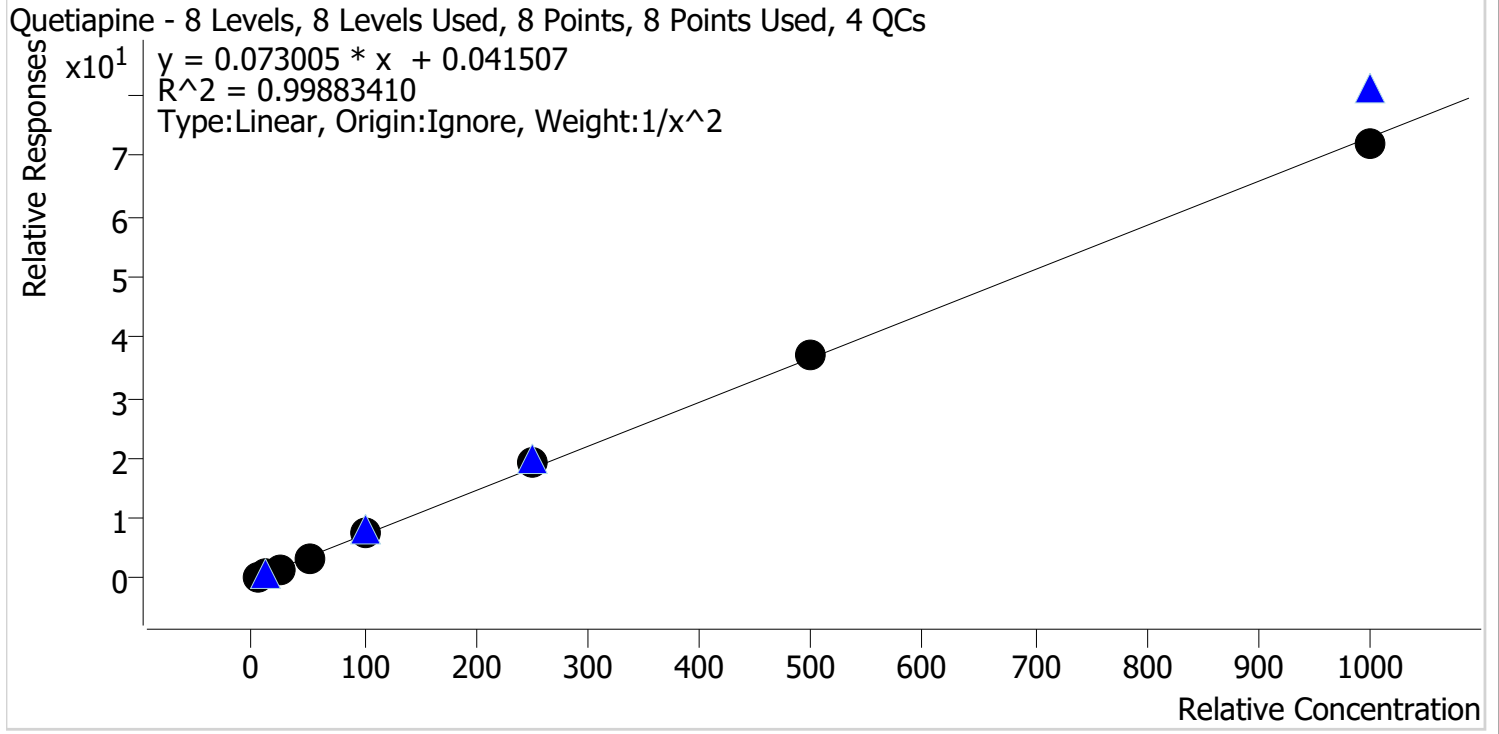
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	506.8	101.4
p1 Cal 8-1000ng	8	✓	1000.0	992.9	99.3

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



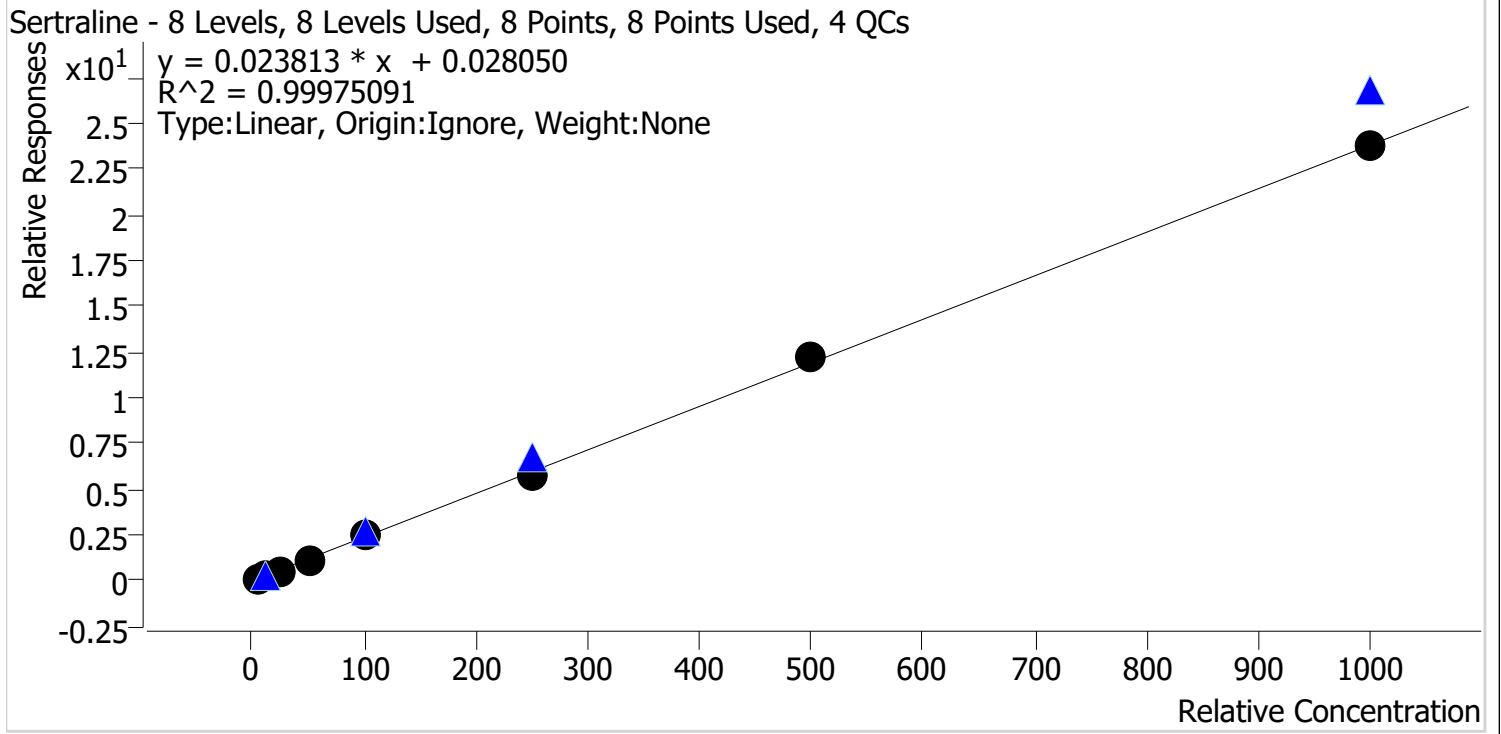
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.8
p1 Cal 4-50ng	4	✓	50.0	48.1	96.3
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	261.1	104.5
p1 Cal 7-500ng	7	✓	500.0	509.3	101.9
p1 Cal 8-1000ng	8	✓	1000.0	987.6	98.8

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



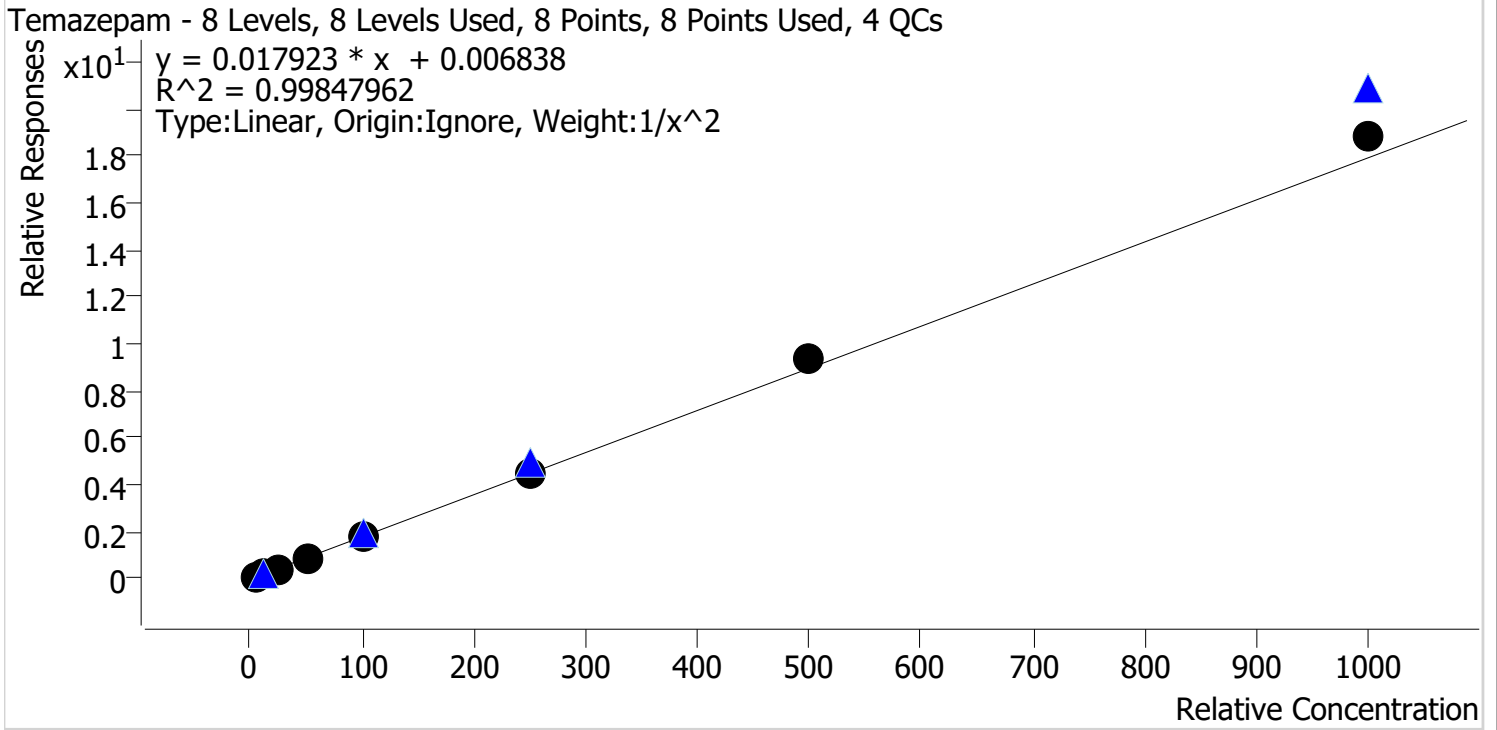
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.3	85.2
p1 Cal 2-10ng	2	✓	10.0	9.5	95.1
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.6
p1 Cal 4-50ng	4	✓	50.0	45.4	90.9
p1 Cal 5-100ng	5	✓	100.0	107.1	107.1
p1 Cal 6-250ng	6	✓	250.0	245.4	98.1
p1 Cal 7-500ng	7	✓	500.0	509.8	102.0
p1 Cal 8-1000ng	8	✓	1000.0	995.8	99.6

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



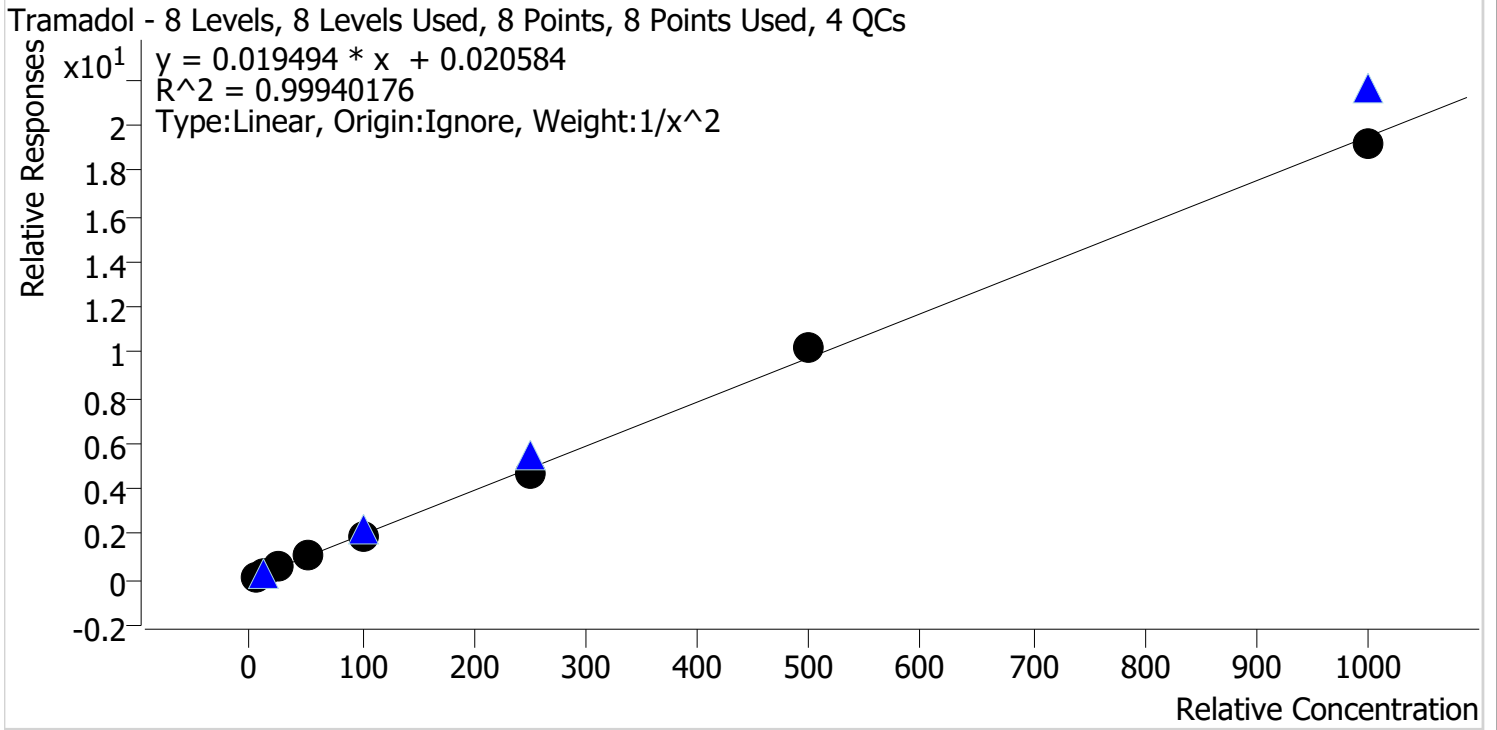
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	522.5	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1049.0	104.9

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	242.4	97.0
p1 Cal 7-500ng	7	✓	500.0	519.8	104.0
p1 Cal 8-1000ng	8	✓	1000.0	987.2	98.7



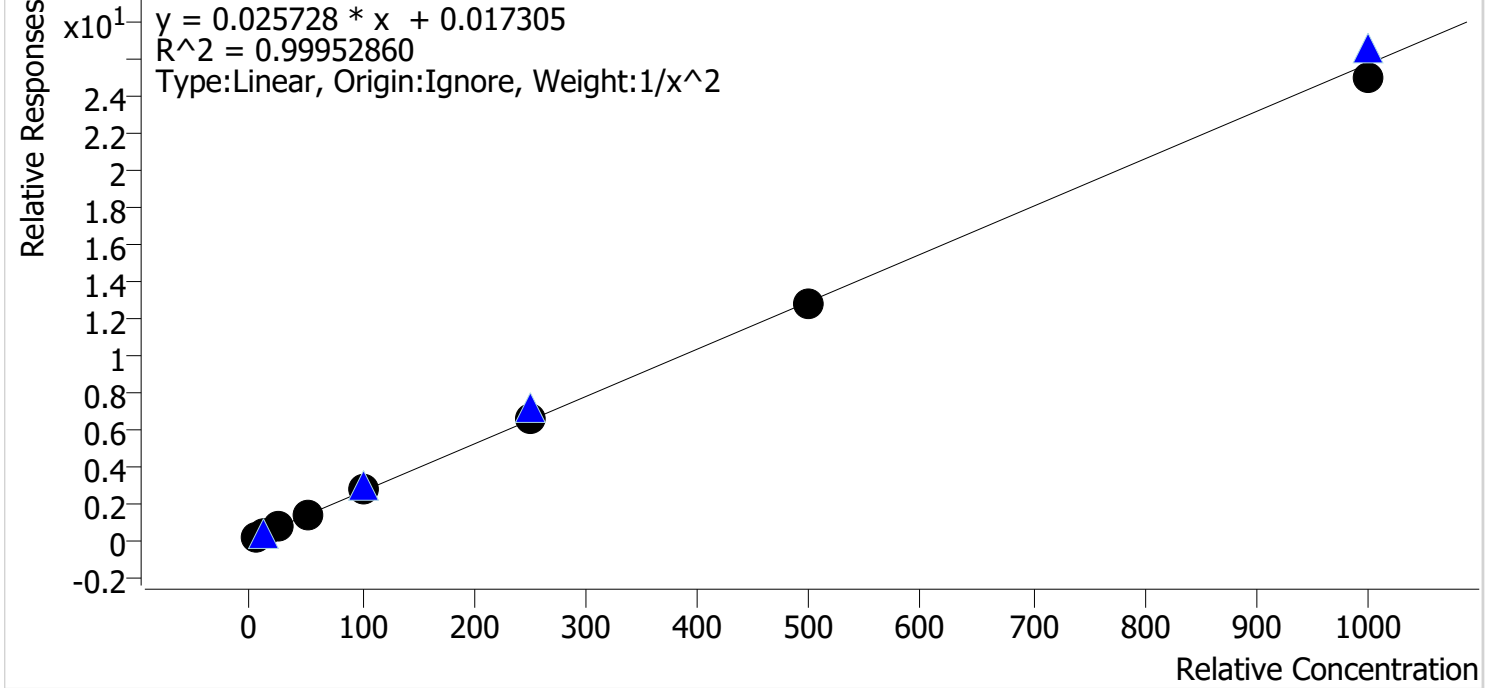
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

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



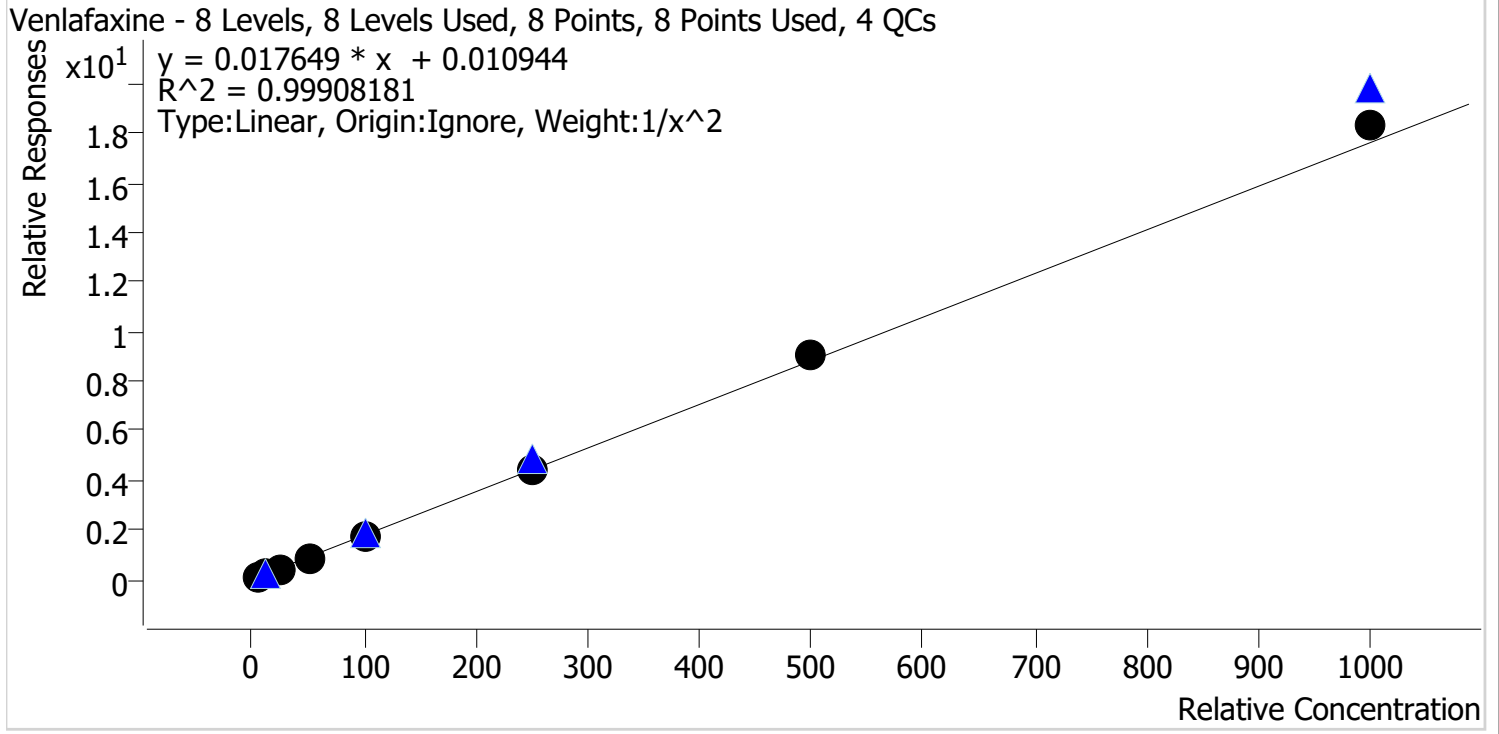
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	974.2	97.4

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



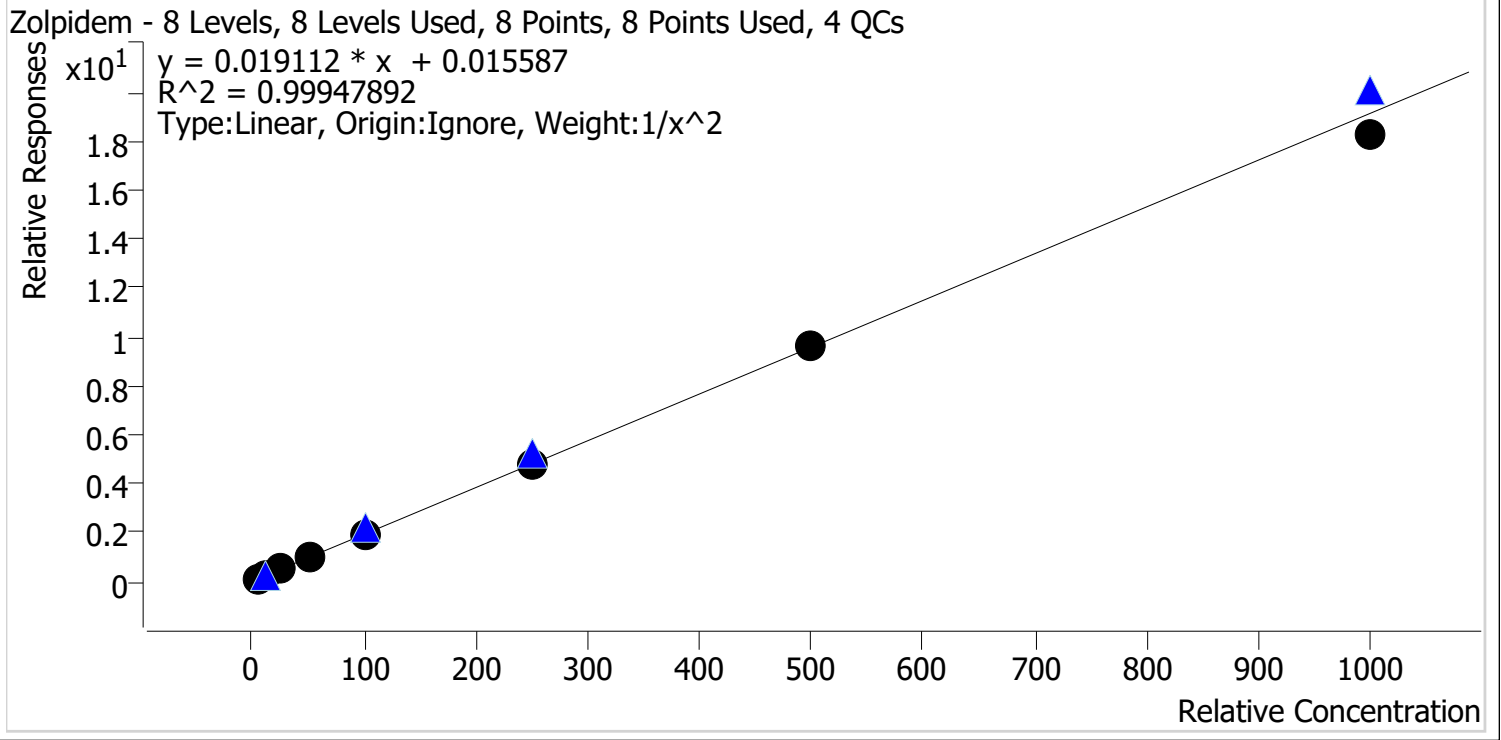
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	49.0	98.1
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	516.5	103.3
p1 Cal 8-1000ng	8	✓	1000.0	1040.9	104.1

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 9/9/2021 1:25 PM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	506.1	101.2
p1 Cal 8-1000ng	8	✓	1000.0	953.6	95.4

SC

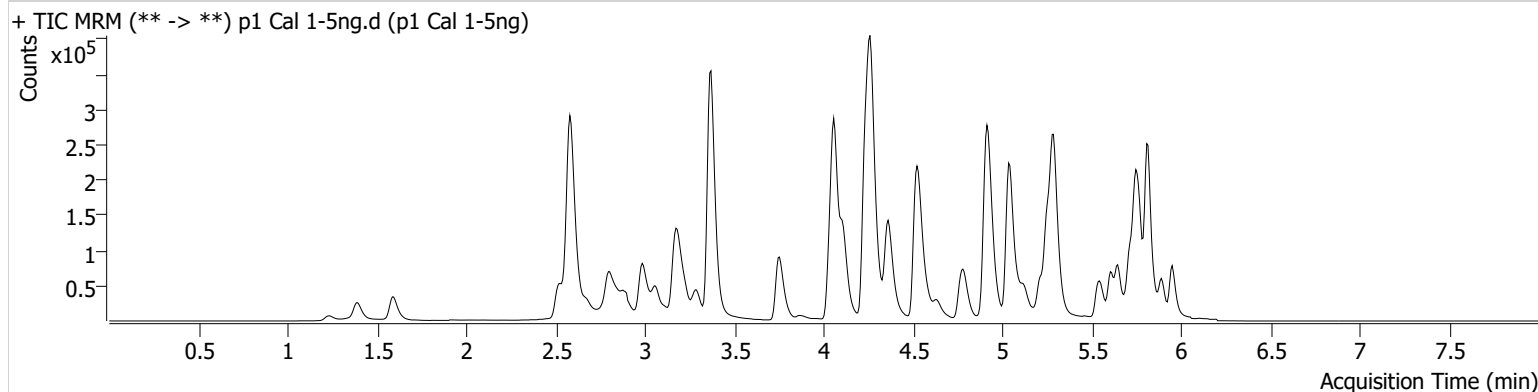


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

<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>	Sarah Collins
<b>Sample Position</b>	P2-H12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2021 5:19:36 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	794	77.11	84.1	1092.62	25950	0.4963 ng/ml
7-aminoclonazepam	4.278	11425	2113.66	87.7	14615.03	104385	4.9559 ng/ml
a-hydroxyalprazolam	5.699	8663	155.29	62.5	153.76	127828	5.3682 ng/ml
alpha-PHP	4.937	11653	139.40	278.9	3037.97	351538	4.5977 ng/ml
alpha-PVP	4.370	47944	1821.12	49.6	1230.03	351538	5.0534 ng/ml
Alprazolam	5.775	29861	240.41	110.1	213.72	127828	4.9434 ng/ml
Amphetamine	3.063	74775	834.53	50.0	360.96	93264	4.9195 ng/ml
Benzoylcegonine	3.899	1834	81.53	8.9	305.44	11191	5.1013 ng/ml
Buprenorphine	5.880	459	28.59	13.4	76.91	29188	0.4087 ng/ml
Bupropion	4.795	37637	7509.30	58.3	285.60	198442	4.9444 ng/ml
Carisoprodol	5.724	18312	22342.73	47.7	28.54	174473	5.0819 ng/ml
Citalopram	5.219	16460	473.75	43.4	8306.79	137389	5.0047 ng/ml
Clonazepam	5.612	35491	781.82	31.9	772.53	65471	4.9493 ng/ml
Clonazepam	5.555	17289	885.03	36.8	11081.43	65471	4.8625 ng/ml
Cocaine	4.264	48307	730.80	47.1	126.01	642285	5.0696 ng/ml
Codeine	2.573	5961	64.22	107.5	81048.06	43754	4.7996 ng/ml
Cyclobenzaprine	5.622	2991	225.87	11.0	25.67	18735	5.0228 ng/ml
Dextromethorphan	5.262	7569	383.57	82.9	8242.32	66385	4.9737 ng/ml
Dextrophan	4.111	10197	2676.99	207.2	122312.29	254862	5.0148 ng/ml
Diazepam	5.960	15933	173.27	91.2	986.48	146834	4.9181 ng/ml
Dihydrocodeine	2.552	15688	163.76	62.9	313.51	145187	4.8326 ng/ml
Diphenhydramine	5.289	36404	1027.73	34.6	267.21	564506	5.0055 ng/ml
Doxylamine	4.536	93597	7478.94	97.8	1298.59	660749	5.0523 ng/ml
EDDP	5.254	29858	141.76	42.2	27721.61	318881	4.9597 ng/ml
Etizolam	5.813	15198	17726.81	28.7	5069.38	65471	5.8274 ng/ml
Fentanyl	5.103	564	16.28	60.1	9.04 <b>Low</b>	56832	0.5128 ng/ml
Flualprazolam	5.705	7250	499.10	111.3	4178.80	127828	4.8923 ng/ml
Fluoxetine	5.700	1906	2174.12	8.6	338.81	14466	5.1737 ng/ml
Hydrocodone	3.012	16210	109.16	38.3	97.03	183912	4.8150 ng/ml
Hydromorphone	1.601	16374	764.46	59.6	51647.30	93283	5.0967 ng/ml
Ketamine	4.059	41940	206.64	43.3	119.03	345709	4.9372 ng/ml
Lamotrigine	4.280	2977	17.73	81.5	3731.61	345709	4.9726 ng/ml
Levetiracetam	2.676	18012	308.19	155.5	907.59	863410	5.0047 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	35564	255.82	50.7	87.04	65471	4.8200 ng/ml
MDA	3.203	53128	658.27	17.3	118.55	157838	4.8473 ng/ml
MDMA	3.296	41153	7491.12	54.9	228.56	61301	4.9980 ng/ml
Meprobamate	4.917	7921	83.19	24.5	10.01	65423	4.7987 ng/ml
Methadone	5.653	18229	92.23	42.7	168.28	135074	5.0552 ng/ml
Methamphetamine	3.231	28284	321.18	42.9	156.74	262351	4.9401 ng/ml
Metoprolol	4.326	7458	367.08	95.6	551.65	764694	4.8349 ng/ml
Mirtazapine	4.637	37492	2109.99	45.7	615.11	351538	5.0128 ng/ml
Mitragynine	5.244	2912	4144.46	40.7	1283.82	135074	4.7682 ng/ml
Morphine	1.240	2506	245.44	20.7	391.81	6050	4.8886 ng/ml
Nordiazepam	5.900	15866	42585.10	59.1	165.25	86544	4.9928 ng/ml
Norfentanyl	4.086	7776	74.33	43.3	53.46	587271	0.5087 ng/ml
Norhydrocodone	3.059	1138	∞	51.1	74.95	20281	5.1705 ng/ml
Noroxycodone	2.909	17586	223.33	41.9	1470.84	91496	5.0294 ng/ml
O-desmethyl-tramadol	3.369	93333	6512.55	6.4	109.21	985223	5.0623 ng/ml
Oxazepam	5.756	33676	139.64	81.0	333.48	296305	4.9659 ng/ml
Oxycodone	2.827	36722	651.37	28.7	449.10	259732	4.9652 ng/ml
Oxymorphone	1.391	14696	521.91	44.1	78.37	77704	4.9936 ng/ml
Phentermine	3.790	13986	134.38	3.1	∞	285074	4.8978 ng/ml
Promethazine	5.538	8692	231.95	30.5	86.70	70983	4.9845 ng/ml
Pseudoephedrine	2.596	97291	1447.81	13.6	833.18	863410	5.1118 ng/ml
Quetiapine	5.562	17606	21288.37	61.3	23448.35	43304	5.0006 ng/ml
Sertraline	5.776	814	13.85	112.8	233.48	6285	4.2607 ng/ml
Temazepam	5.816	49356	371.02	33.2	80.89	504462	5.0772 ng/ml
Tramadol	4.252	90505	1387.41	3.6	67.13	764694	5.0154 ng/ml
Trazodone	5.183	13685	56.82	80.8	25448.27	94407	4.9618 ng/ml
Venlafaxine	5.043	61135	17340.32	37.2	271.96	610939	5.0497 ng/ml
Zolpidem	4.935	83112	3070.69	31.9	741.28	753004	4.9596 ng/ml

SC

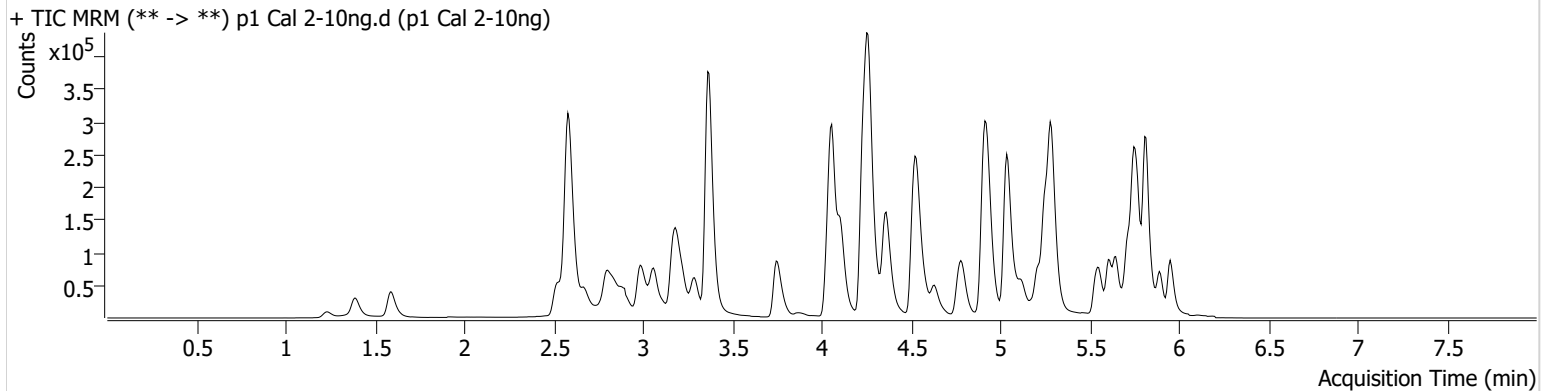


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

<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>	Sarah Collins
<b>Sample Position</b>	P2-G12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2021 5:30:23 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	1536	157.73	70.7	1717.54	25452	1.0058 ng/ml
7-aminoclonazepam	4.271	21965	3169.91	85.9	3697.84	102639	10.3259 ng/ml
a-hydroxyalprazolam	5.699	16182	283.51	58.7	246.65	126624	10.3817 ng/ml
alpha-PHP	4.937	22678	142.48	263.4	822.72	352984	10.8435 ng/ml
alpha-PVP	4.370	88643	685.42	50.5	1109.35	352984	9.9244 ng/ml
Alprazolam	5.775	55791	1625.81	107.9	471.37	126624	10.2053 ng/ml
Amphetamine	3.063	131227	1013.13	50.5	443.45	89524	10.1838 ng/ml
Benzoylecgonine	3.892	3261	905.49	7.7	22.43	10699	10.1217 ng/ml
Buprenorphine	5.887	1201	125.15	15.0	235.87	31759	1.1876 ng/ml
Bupropion	4.795	72226	4820.91	58.7	969.44	200860	10.1577 ng/ml
Carisoprodol	5.724	33415	203292.21	50.9	121.70	169575	9.8051 ng/ml
Citalopram	5.212	34345	158.05	43.6	90.78	149413	10.1597 ng/ml
Clonazepam	5.612	64288	2948.50	33.9	65256.94	62924	10.0990 ng/ml
Clonazepam	5.548	32289	58255.07	38.2	15928.40	62924	10.4288 ng/ml
Cocaine	4.264	85840	29023.55	47.1	52096.14	624230	9.8455 ng/ml
Codeine	2.573	10746	83.77	106.6	194.61	43548	10.3305 ng/ml
Cyclobenzaprine	5.615	7321	46.42	11.7	19.85	24666	9.7106 ng/ml
Dextromethorphan	5.262	14920	160.54	78.2	6740.17	67657	10.1947 ng/ml
Dextrophan	4.111	19372	243.05	209.2	1683.98	257247	10.0314 ng/ml
Diazepam	5.960	31004	347.28	86.5	171.68	145342	10.2949 ng/ml
Dihydrocodeine	2.552	28193	210.39	63.2	401.93	142976	10.2193 ng/ml
Diphenhydramine	5.289	71907	1346.99	32.0	1590.59	584915	10.1555 ng/ml
Doxylamine	4.536	172319	182.21	98.9	3761.73	652681	10.0261 ng/ml
EDDP	5.254	60867	145.36	42.3	36812.00	335173	10.2100 ng/ml
Etizolam	5.813	29380	55508.84	28.3	22022.48	62924	11.1350 ng/ml
Fentanyl	5.109	1098	145.08	59.3	609.68	61588	0.9712 ng/ml
Flualprazolam	5.705	13791	435.79	111.9	7483.61	126624	10.3659 ng/ml
Fluoxetine	5.707	4529	101.91	9.6	931.43	20078	9.5264 ng/ml
Hydrocodone	3.018	30221	319.20	37.8	44.37	176074	10.5310 ng/ml
Hydromorphone	1.595	28567	1462.34	74.6	734.36	90888	9.7577 ng/ml
Ketamine	4.051	78473	1886.54	42.5	∞	341636	10.2252 ng/ml
Lamotrigine	4.280	5472	599.04	86.8	314.18	341636	10.3361 ng/ml
Levetiracetam	2.676	33922	540.99	151.2	1246.66	843446	10.1534 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	67602	946.45	50.6	338.11	62924	10.5944 ng/ml
MDA	3.196	98753	1863.42	16.4	239.23	155122	10.3602 ng/ml
MDMA	3.290	76367	1430.25	54.1	788.88	60218	10.0939 ng/ml
Meprobamate	4.917	14469	1696.33	26.0	192.55	63984	10.3013 ng/ml
Methadone	5.653	34542	1157.57	47.8	927.98	138147	9.8568 ng/ml
Methamphetamine	3.231	45819	381.87	43.4	469.25	240807	10.0253 ng/ml
Metoprolol	4.326	14411	5798.09	88.2	262.38	762897	10.5455 ng/ml
Mirtazapine	4.631	75459	1428.82	45.0	3167.29	352984	10.0155 ng/ml
Mitragynine	5.237	6075	291.26	40.3	4464.72	138147	10.9653 ng/ml
Morphine	1.240	4862	1308.57	19.2	26.29	6101	10.4197 ng/ml
Norbuprenorphine	4.992	109	241.46	54.5 <b>Low</b>	416.74	2801	1.6463 ng/ml
Nordiazepam	5.900	29933	528.68	61.8	785.57	86683	10.0748 ng/ml
Norfentanyl	4.079	14565	111.91	34.9	33.09	578552	0.9906 ng/ml
Norhydrocodone	3.059	2077	88.31	48.2	26.98	19903	9.5797 ng/ml
Noroxycodone	2.903	31299	470.32	45.8	277.19	88845	9.9133 ng/ml
O-desmethyl-tramadol	3.369	172184	13905.81	6.4	194.89	969830	9.9867 ng/ml
Oxazepam	5.756	62666	891.96	74.4	73.31	293488	10.0188 ng/ml
Oxycodone	2.834	69051	687.01	29.0	318.07	256947	10.1374 ng/ml
Oxymorphone	1.391	25995	1702.76	47.0	339.69	74282	10.0780 ng/ml
Phentermine	3.783	24397	237.94	3.1	63.94	271558	10.1784 ng/ml
Promethazine	5.538	19543	133.31	27.5	11.24	84031	10.1957 ng/ml
Pseudoephedrine	2.596	175297	4764.08	13.6	624.23	843446	9.8185 ng/ml
Quetiapine	5.562	36795	13817.87	59.4	854.13	46748	10.2128 ng/ml
Sertraline	5.776	2477	70.58	89.8	58.68	9731	9.5093 ng/ml
Temazepam	5.816	90760	435.45	30.7	542.05	492085	9.9090 ng/ml
Tramadol	4.246	163568	1515.24	3.5	91.72	762897	9.9425 ng/ml
Trazodone	5.183	30237	40274.09	79.3	2992.80	107984	10.2111 ng/ml
Venlafaxine	5.037	115485	872.14	37.5	266.84	616960	9.9857 ng/ml
Zolpidem	4.935	159770	999.48	31.6	920.21	765455	10.1056 ng/ml

SC

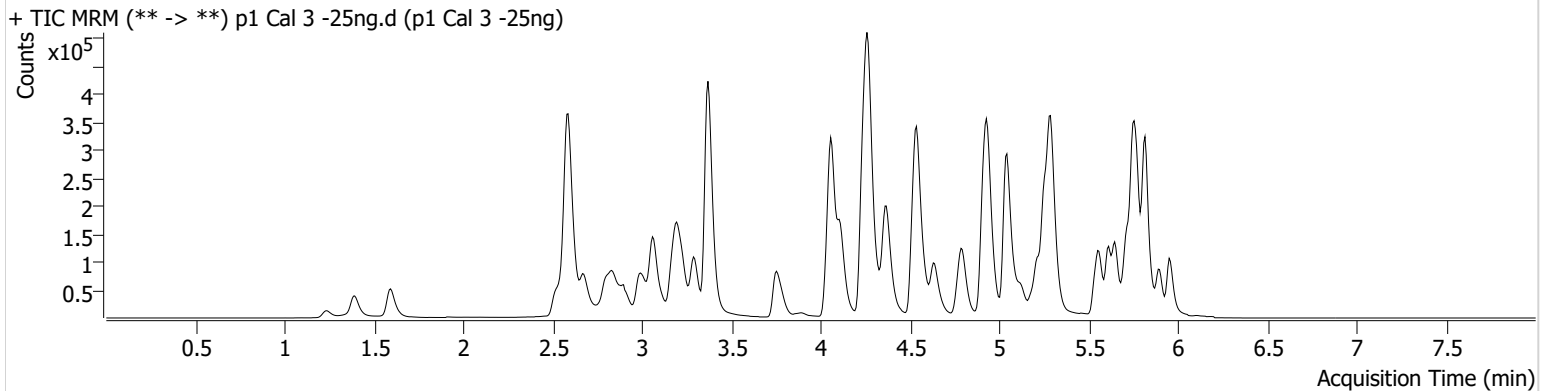


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

**Instrument** Falco (069901) **Data File** p1 Cal 3 -25ng.d  
**Type** Cal **Sample** p1 Cal 3 -25ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Sarah Collins  
**Sample Position** P2-F12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2021 5:40:58 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	3489	367.35	72.2	2536.21	23099	2.5597 ng/ml
7-aminoclonazepam	4.278	43170	2585.21	84.6	8010.32	90350	23.8750 ng/ml
a-hydroxyalprazolam	5.699	32739	198.88	59.7	706.85	110554	24.4429 ng/ml
alpha-PHP	4.937	49256	150.56	267.9	4705.14	325181	28.3608 ng/ml
alpha-PVP	4.376	191837	6560.27	50.6	2537.13	325181	24.3073 ng/ml
Alprazolam	5.775	113418	716.95	106.8	522.84	110554	25.0832 ng/ml
Amphetamine	3.063	279139	1554.28	51.3	896.85	82654	25.3361 ng/ml
Benzoylecgonine	3.892	6094	380.60	7.1	100.55	9520	22.0682 ng/ml
Buprenorphine	5.887	2481	251.47	12.2	489.90	31521	2.6284 ng/ml
Bupropion	4.795	162030	402.16	58.4	2847.20	190283	25.2506 ng/ml
Carisoprodol	5.724	72879	116850.65	49.2	283.15	150926	24.4641 ng/ml
Citalopram	5.219	77687	2006.62	44.9	∞	147961	23.9862 ng/ml
Clonazepam	5.612	134103	687.31	32.9	1353.45	55848	24.9122 ng/ml
Clonazepam	5.555	64973	101077.88	39.4	56915.21	55848	24.9600 ng/ml
Cocaine	4.264	186795	274.08	47.3	853.61	572165	24.3310 ng/ml
Codeine	2.573	22805	575.70	108.1	29210.97	40156	26.4016 ng/ml
Cyclobenzaprine	5.622	15573	130359.00	10.5	203.52	19781	26.4791 ng/ml
Dextromethorphan	5.262	36969	1828.13	77.1	2223.59	71175	24.8462 ng/ml
Dextrophan	4.111	41944	246.18	196.9	2590.03	236582	24.5262 ng/ml
Diazepam	5.960	65226	2386.09	87.7	54031.41	129018	25.2862 ng/ml
Dihydrocodeine	2.552	61861	2183.49	62.4	1062.44	132481	26.5223 ng/ml
Diphenhydramine	5.296	165579	2582.67	33.6	587.38	591680	23.9811 ng/ml
Doxylamine	4.543	368202	874.62	101.2	1134.50	612544	23.7277 ng/ml
EDDP	5.254	135551	803.70	42.1	2862.03	315349	25.0266 ng/ml
Etizolam	5.813	59123	103703.10	28.3	2296.13	55848	24.5125 ng/ml
Fentanyl	5.116	2559	80.00	62.3	4235.50	61937	2.3329 ng/ml
Flualprazolam	5.705	27674	831.50	116.6	2300.08	110554	25.1947 ng/ml
Fluoxetine	5.707	8500	1776.70	8.2	3456.62	16302	23.2472 ng/ml
Hydrocodone	3.018	65270	115.98	37.4	581.12	165989	25.7003 ng/ml
Hydromorphone	1.595	61856	1588.30	73.3	388129.51	79731	25.2580 ng/ml
Ketamine	4.059	167808	751.00	41.5	390.71	314761	25.0300 ng/ml
Lamotrigine	4.287	10856	451.15	82.3	598.90	314761	23.7186 ng/ml
Levetiracetam	2.676	70937	541.04	151.9	2007.36	776377	23.7598 ng/ml



SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	139062	3347.69	49.6	52.58	55848	25.9850 ng/ml
MDA	3.203	212331	1940.86	16.5	464.76	144122	25.7341 ng/ml
MDMA	3.296	168569	2553.13	55.4	803.79	56997	24.5172 ng/ml
Meprobamate	4.924	30941	94560.26	24.5	173.82	57262	26.7569 ng/ml
Methadone	5.653	87994	400.03	45.6	1466.93	144440	24.8433 ng/ml
Methamphetamine	3.231	95112	730.41	43.1	457.94	214237	25.6687 ng/ml
Metoprolol	4.333	30131	42108.35	93.9	483.84	712555	25.1669 ng/ml
Mirtazapine	4.637	168753	4053.35	44.5	1407.34	325181	24.2673 ng/ml
Mitragynine	5.244	13703	26949.64	38.8	8201.93	144440	25.0350 ng/ml
Morphine	1.240	9543	2200.99	20.1	140.35	5284	25.0021 ng/ml
Norbuprenorphine	4.986	183	1590.06	76.5	638.78	3156	2.4484 ng/ml
Nordiazepam	5.900	61571	2073.79	61.2	8016.10	76706	24.4237 ng/ml
Norfentanyl	4.086	32444	396.28	36.4	145.11	538058	2.4089 ng/ml
Norhydrocodone	3.066	4869	98.19	43.5	28.55	18346	24.2807 ng/ml
Noroxycodone	2.909	67906	245.85	43.0	1343.63	81188	24.6837 ng/ml
O-desmethyl-tramadol	3.376	365903	6813.82	6.5	161.02	888916	23.9074 ng/ml
Oxazepam	5.756	131194	5053.98	74.4	418.75	254402	25.3075 ng/ml
Oxycodone	2.834	146721	833.98	28.0	664.92	230708	25.0516 ng/ml
Oxymorphone	1.391	55137	∞	45.0	140.38	69122	24.2330 ng/ml
Phentermine	3.790	52440	450.45	2.9	34.87	251115	25.5859 ng/ml
Promethazine	5.538	41613	1710.87	27.7	83.31	78956	24.1318 ng/ml
Pseudoephedrine	2.596	383035	315.57	13.9	253.91	776377	23.9422 ng/ml
Quetiapine	5.562	82914	409187.39	60.5	94399.87	46320	23.9506 ng/ml
Sertraline	5.776	3988	68.96	97.3	3079.20	7028	22.6533 ng/ml
Temazepam	5.823	186778	547.60	30.6	514.63	426472	24.0538 ng/ml
Tramadol	4.252	359145	423.32	3.2	148.70	712555	24.7993 ng/ml
Trazodone	5.183	64930	46119.13	77.4	131573.90	100017	24.5604 ng/ml
Venlafaxine	5.043	248855	14274.01	38.2	2936.27	568718	24.1725 ng/ml
Zolpidem	4.935	332061	31565.63	31.4	113219.73	666860	25.2387 ng/ml

SC

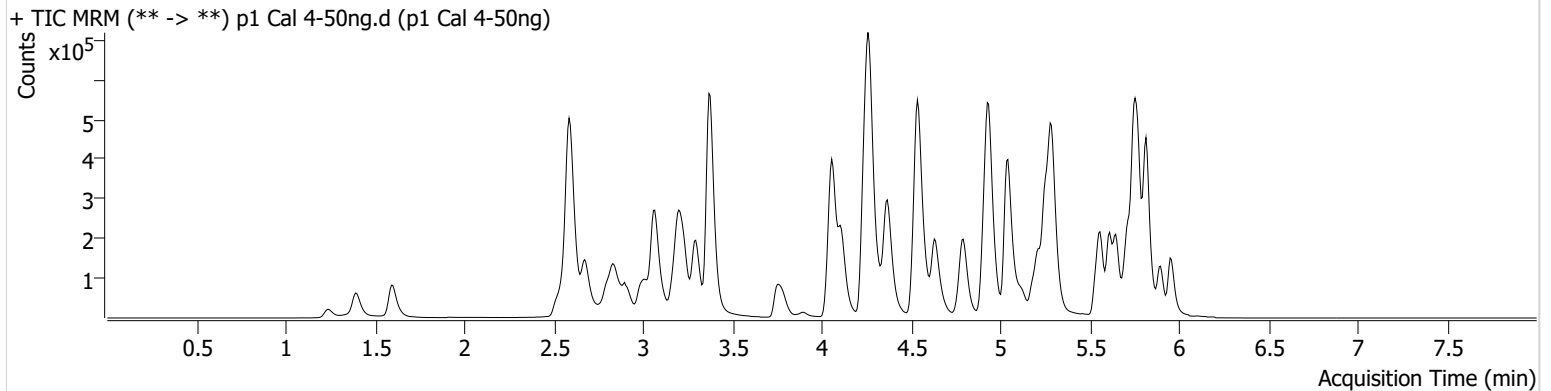


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

<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>	Sarah Collins
<b>Sample Position</b>	P2-E12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2021 5:51:35 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	7355	113.06	68.1	1946.88	24586	5.0975 ng/ml
7-aminoclonazepam	4.278	95930	4404.16	85.4	137.55	95900	50.7115 ng/ml
a-hydroxyalprazolam	5.699	63422	433.91	60.4	422.68	112192	46.9264 ng/ml
alpha-PHP	4.937	94853	152.19	271.1	1108.32	326372	56.3072 ng/ml
alpha-PVP	4.370	385371	26429.97	50.0	5194.45	326372	49.3888 ng/ml
Alprazolam	5.775	224157	520.94	107.4	3593.28	112192	49.7926 ng/ml
Amphetamine	3.069	558403	5263.56	51.1	1256.00	82914	51.9528 ng/ml
Benzoylecgonine	3.899	13287	218.55	7.7	291.74	9934	46.9183 ng/ml
Buprenorphine	5.880	4865	204.17	12.2	912.45	33222	5.0157 ng/ml
Bupropion	4.795	317844	11749.70	58.7	1124.41	187615	51.1026 ng/ml
Carisoprodol	5.724	141264	69750.70	47.8	216.46	145830	49.3801 ng/ml
Citalopram	5.219	161719	412.27	44.4	161967.56	150543	49.7094 ng/ml
Clonazepam	5.612	267520	5511.07	31.9	9632.94	54346	51.9849 ng/ml
Clonazepam	5.555	132067	222461.93	38.2	113419.47	54346	53.2677 ng/ml
Cocaine	4.264	378386	1050.64	46.9	919.99	575129	49.7393 ng/ml
Codeine	2.573	46300	481.42	106.0	3155.07	40837	54.7184 ng/ml
Cyclobenzaprine	5.622	36307	∞	10.7	3111.52	24851	49.5109 ng/ml
Dextromethorphan	5.262	78645	∞	79.4	3603.98	77646	49.0354 ng/ml
Dextrophan	4.112	84001	1209.49	204.8	1130.35	236907	49.7219 ng/ml
Diazepam	5.960	124180	507.58	87.4	694.83	126630	49.6580 ng/ml
Dihydrocodeine	2.552	126779	623.76	63.0	139.24	137026	54.2184 ng/ml
Diphenhydramine	5.289	355050	45628.47	33.3	1336.58	619290	49.8395 ng/ml
Doxylamine	4.536	742932	9262.48	99.6	2687.83	605495	49.1679 ng/ml
EDDP	5.254	254425	2573.61	43.0	7145.16	305402	49.0939 ng/ml
Etizolam	5.813	112658	131339.28	28.7	81569.44	54346	47.4429 ng/ml
Fentanyl	5.109	6733	135.90	61.5	7286.61	75304	5.1218 ng/ml
Flualprazolam	5.705	54854	4943.18	114.3	1934.26	112192	50.2164 ng/ml
Fluoxetine	5.707	22232	23217.86	8.9	440.18	19859	50.9854 ng/ml
Hydrocodone	3.018	130158	91.31	38.7	251.05	166669	52.2428 ng/ml
Hydromorphone	1.601	109408	2770.87	83.2	1348.62	81257	44.4234 ng/ml
Ketamine	4.059	339064	18506.45	42.2	260.47	322324	50.3432 ng/ml
Lamotrigine	4.287	21822	168.26	83.2	11237.86	322324	47.7751 ng/ml
Levetiracetam	2.676	144868	2158.01	154.2	2537.62	767648	49.6544 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	263095	8764.63	49.7	188.76	54346	51.5443 ng/ml
MDA	3.203	429607	1721.75	16.0	810.70	145795	52.8084 ng/ml
MDMA	3.296	340003	53602.64	54.6	936.95	57234	49.9864 ng/ml
Meprobamate	4.924	62714	114.99	23.8	699.06	57624	55.4584 ng/ml
Methadone	5.653	181155	7396.03	45.4	1745.05	152167	49.0980 ng/ml
Methamphetamine	3.238	193311	1375.94	43.2	1237.89	221235	52.1741 ng/ml
Metoprolol	4.326	61522	334.84	91.6	2568.02	708659	52.9949 ng/ml
Mirtazapine	4.637	358012	802.05	45.8	2266.66	326372	51.2596 ng/ml
Mitragynine	5.244	29128	31359.50	41.6	2261.92	152167	51.7243 ng/ml
Morphine	1.240	19625	273.79	19.9	97.85	5482	50.6382 ng/ml
Norbuprenorphine	4.986	365	211.17	81.6	483.00	3172	4.8284 ng/ml
Nordiazepam	5.900	122915	1078.09	60.2	1606.70	74632	50.9098 ng/ml
Norfentanyl	4.086	63043	187.04	37.0	303.82	525931	4.8144 ng/ml
Norhydrocodone	3.066	9297	121.47	42.9	86.53	17945	47.3525 ng/ml
Noroxycodone	2.909	134427	1748.48	43.4	1407.86	80537	50.0893 ng/ml
O-desmethyl-tramadol	3.376	754149	32772.18	6.4	437.40	912017	48.6027 ng/ml
Oxazepam	5.756	255207	1889.20	73.4	1096.64	250367	50.7893 ng/ml
Oxycodone	2.834	303103	1286.96	28.7	1314.42	245982	49.2675 ng/ml
Oxymorphone	1.398	113542	∞	43.9	745.92	68824	51.1719 ng/ml
Phentermine	3.790	104632	396.22	2.5	53.66	250945	52.5349 ng/ml
Promethazine	5.538	100226	482.75	27.6	1242.29	92825	50.2868 ng/ml
Pseudoephedrine	2.596	754142	13563.29	13.7	5350.42	767648	48.1329 ng/ml
Quetiapine	5.562	168574	281223.96	59.1	73.84	47418	48.1276 ng/ml
Sertraline	5.776	10155	153.64	103.7	241.59	9148	45.4391 ng/ml
Temazepam	5.823	366917	672.35	30.0	269.71	414783	48.9732 ng/ml
Tramadol	4.246	718651	914.16	3.3	390.27	708659	50.9650 ng/ml
Trazodone	5.183	146286	202.14	75.9	242287.59	112661	49.7957 ng/ml
Venlafaxine	5.043	492248	595.58	37.7	1847.35	561691	49.0346 ng/ml
Zolpidem	4.935	661446	80055.33	31.5	20974.36	678402	50.2001 ng/ml

SC

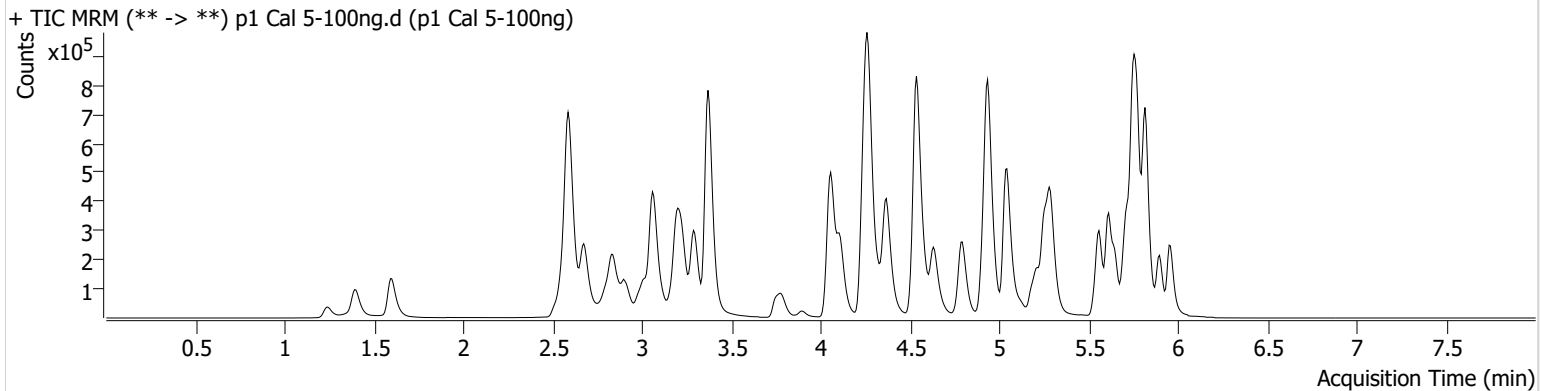


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

**Instrument** Falco (069901) **Data File** p1 Cal 5-100ng.d  
**Type** Cal **Sample** p1 Cal 5-100ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Sarah Collins  
**Sample Position** P2-D12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2021 6:02:17 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	12689	454.88	74.8	21041.91	22744	9.5301 ng/ml
7-aminoclonazepam	4.278	174509	7326.87	82.1	5840.99	88447	100.6723 ng/ml
a-hydroxyalprazolam	5.699	122863	222.07	61.6	388.34	109530	93.4051 ng/ml
alpha-PHP	4.937	139446	457.38	270.1	15421.26	268848	102.1068 ng/ml
alpha-PVP	4.370	636385	24325.64	50.0	11435.35	268848	99.7486 ng/ml
Alprazolam	5.775	441057	2835.59	108.5	519.10	109530	101.3644 ng/ml
Amphetamine	3.063	903503	2469.93	50.7	10759.10	69309	101.9039 ng/ml
Benzoylecgonine	3.892	27173	195.10	7.5	1145.14	9344	102.8847 ng/ml
Buprenorphine	5.887	4975	4497.67	11.9	1227.07	17478	9.8862 ng/ml
Bupropion	4.795	463630	18790.21	58.3	3365.14	142279	99.1017 ng/ml
Carisoprodol	5.724	272492	19226.67	48.5	424.19	144009	96.7431 ng/ml
Citalopram	5.219	183766	260.15	44.9	15488.51	86538	98.8570 ng/ml
Clonazepam	5.612	545520	1801.49	32.0	5956.27	55960	103.8036 ng/ml
Clonazepam	5.548	261247	219893.06	38.1	176101.80	55960	103.2890 ng/ml
Cocaine	4.264	657201	79414.38	47.4	434.60	508112	98.4565 ng/ml
Codeine	2.573	83297	982.65	103.8	7450.26	37993	107.6942 ng/ml
Cyclobenzaprine	5.622	41508	42321.12	8.9	2301.10	14405	98.0742 ng/ml
Dextromethorphan	5.262	81023	296.10	80.3	203.08	40860	96.5883 ng/ml
Dextrophan	4.111	134238	80208.49	208.2	7269.71	190807	99.3167 ng/ml
Diazepam	5.960	253853	2949.68	87.9	2368.51	129244	100.1091 ng/ml
Dihydrocodeine	2.552	229527	1421.52	63.4	5168.53	130856	104.3090 ng/ml
Diphenhydramine	5.289	398645	6652.17	33.6	334.97	353714	98.6279 ng/ml
Doxylamine	4.536	1262410	5220.69	100.7	39663.24	515458	98.8437 ng/ml
EDDP	5.254	382581	22296.74	43.3	14017.94	231286	98.0998 ng/ml
Etizolam	5.813	220565	58855.52	29.1	63595.16	55960	89.6839 ng/ml
Fentanyl	5.109	5646	11.78	63.7	5533.73	32986	9.8620 ng/ml
Flualprazolam	5.705	108235	1621.12	114.6	10902.96	109530	102.5688 ng/ml
Fluoxetine	5.707	29626	26248.12	8.8	2238.25	13242	102.8261 ng/ml
Hydrocodone	3.012	234047	316.56	38.3	292.61	155689	101.6957 ng/ml
Hydromorphone	1.601	234684	4396.04	74.0	1615.48	77070	101.4742 ng/ml
Ketamine	4.051	608327	23339.68	40.9	619.75	291270	100.9199 ng/ml
Lamotrigine	4.280	43438	3010.54	81.4	1026.61	291270	106.7628 ng/ml
Levetiracetam	2.676	272733	1579.56	153.7	2426.42	693770	104.0249 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	472087	∞	52.1	825.65	55960	90.6278 ng/ml
MDA	3.203	666579	4562.52	16.4	1410.32	118108	102.3699 ng/ml
MDMA	3.296	542000	3749.40	55.1	2564.34	46214	99.4000 ng/ml
Meprobamate	4.917	116179	12026.32	24.9	439.03	56733	105.7094 ng/ml
Methadone	5.653	203467	5154.12	45.5	7851.86	87003	97.0033 ng/ml
Methamphetamine	3.231	324545	1449.65	42.9	602.64	190745	103.2135 ng/ml
Metoprolol	4.326	102207	169700.11	93.5	2774.44	641664	98.2840 ng/ml
Mirtazapine	4.631	418706	13831.65	45.4	3120.29	268848	72.7631 ng/ml
Mitragynine	5.244	28295	351.42	39.2	886.06	87003	88.7118 ng/ml
Morphine	1.240	37044	4460.01	20.0	427.56	5372	98.5682 ng/ml
Norbuprenorphine	4.986	466	89.36	89.4	14.42	1695	11.5246 ng/ml
Nordiazepam	5.900	244849	357596.19	60.3	8194.96	75542	100.9265 ng/ml
Norfentanyl	4.086	112730	3663.86	36.3	265.62	472839	9.6011 ng/ml
Norhydrocodone	3.059	16018	100.34	45.2	77.29	15665	93.4129 ng/ml
Noroxycodone	2.909	244998	469.25	39.3	1648.69	73143	101.3598 ng/ml
O-desmethyl-tramadol	3.369	1431615	1596.37	6.3	1269.45	860310	98.3869 ng/ml
Oxazepam	5.756	478244	224.76	74.7	440.03	232688	103.2046 ng/ml
Oxycodone	2.834	574677	1708.66	28.6	2716.62	227825	101.6684 ng/ml
Oxymorphone	1.398	209651	∞	43.7	∞	64882	101.1728 ng/ml
Phentermine	3.790	167768	1182.54	2.5	609.52	206882	103.5507 ng/ml
Promethazine	5.538	109276	4916.19	28.0	200.75	52232	98.1963 ng/ml
Pseudoephedrine	2.596	1365132	13005.04	13.8	284.11	693770	96.8708 ng/ml
Quetiapine	5.562	219947	17468.00	59.7	23009.73	29745	100.7186 ng/ml
Sertraline	5.776	17555	137.74	88.2	464.43	6807	107.1221 ng/ml
Temazepam	5.816	732765	3912.61	29.9	765.25	423157	96.2337 ng/ml
Tramadol	4.246	1257614	915.28	3.4	207.60	641664	99.4837 ng/ml
Trazodone	5.183	173322	16243.46	77.7	19649.94	66068	101.2938 ng/ml
Venlafaxine	5.043	814095	32367.37	37.9	1912.50	467797	97.9831 ng/ml
Zolpidem	4.935	1222896	1707.02	31.4	3206.74	629636	100.8084 ng/ml

SC

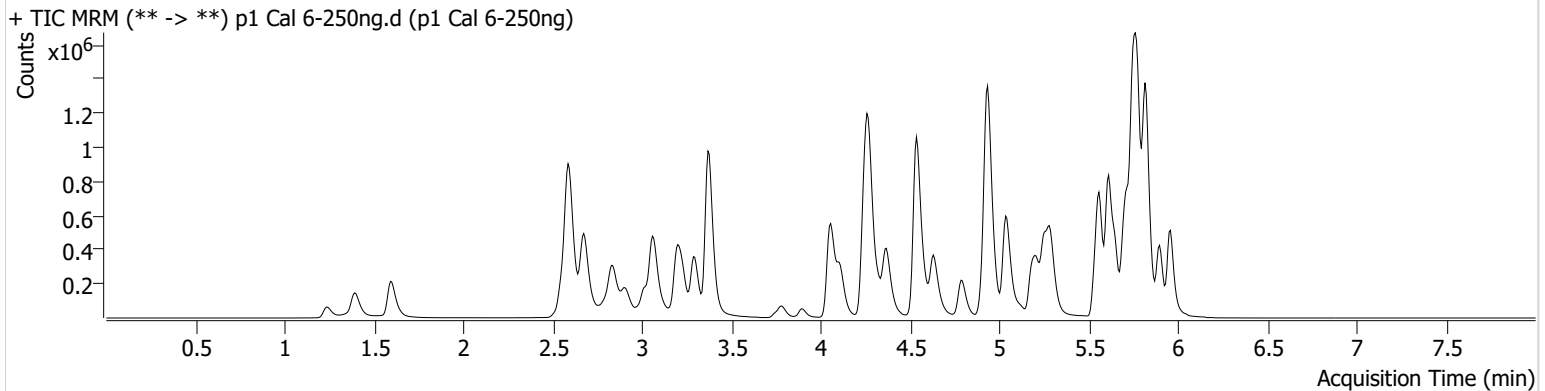


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

**Instrument** Falco (069901) **Data File** p1 Cal 6-250ng.d  
**Type** Cal **Sample** p1 Cal 6-250ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Sarah Collins  
**Sample Position** P2-C12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2021 6:12:53 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	21552	650.53	69.6	1066.81	14715	25.0644 ng/ml
7-aminoclonazepam	4.278	376458	4837.58	82.2	7647.47	78977	244.1594 ng/ml
a-hydroxyalprazolam	5.692	299185	7853.15	60.7	604.86	96204	259.4758 ng/ml
alpha-PHP	4.937	144738	1323.26	268.1	2376.11	120169	239.8313 ng/ml
alpha-PVP	4.370	690436	806.21	49.6	1009.20	120169	243.1681 ng/ml
Alprazolam	5.775	958090	3029.93	109.3	524.01	96204	252.1531 ng/ml
Amphetamine	3.063	994905	9967.96	51.4	579.81	31037	252.6833 ng/ml
Benzoylecgonine	3.892	71060	619.84	7.9	288.17	9339	270.3860 ng/ml
Buprenorphine	5.880	7562	13606.48	14.3	4196.96	11620	22.7896 ng/ml
Bupropion	4.788	409096	44226.01	57.9	759.06	51649	242.1370 ng/ml
Carisoprodol	5.724	577634	456153.77	48.1	3410.18	118281	250.1625 ng/ml
Citalopram	5.212	352806	657.17	44.3	1547.23	66183	249.0805 ng/ml
Clonazepam	5.612	1327021	84648.74	31.6	125282.04	55008	258.1652 ng/ml
Clonazepam	5.548	565265	920000.38	38.5	272061.93	55008	228.6031 ng/ml
Cocaine	4.264	958433	16964.58	46.6	16225.03	291086	251.7133 ng/ml
Codeine	2.573	134208	4601.79	105.2	1097.38	25739	258.9122 ng/ml
Cyclobenzaprine	5.622	192338	105.35	10.0	∞	26338	249.2239 ng/ml
Dextromethorphan	5.262	152336	306.99	78.5	493.01	29722	250.6301 ng/ml
Dextrophan	4.111	183173	689.06	208.3	1332.72	104545	248.3428 ng/ml
Diazepam	5.960	608499	12389.79	87.8	22832.21	124164	250.7536 ng/ml
Dihydrocodeine	2.552	373166	626.85	62.8	420.26	84511	265.1617 ng/ml
Diphenhydramine	5.289	603617	330.97	33.3	8102.10	213333	248.6326 ng/ml
Doxylamine	4.536	1745272	5839.57	99.1	5678.10	280244	252.4322 ng/ml
EDDP	5.254	546749	5634.98	42.9	285.93	131275	247.9545 ng/ml
Etizolam	5.813	507094	11673.59	28.3	219358.44	55008	208.9807 ng/ml
Fentanyl	5.109	14554	1170.53	60.5	9762.54	33827	24.8831 ng/ml
Flualprazolam	5.705	232265	26284.14	112.7	24523.48	96204	252.1153 ng/ml
Fluoxetine	5.707	158228	8896.55	8.9	8686.85	28333	258.0797 ng/ml
Hydrocodone	3.012	374248	334.60	38.4	333.74	100888	252.7324 ng/ml
Hydromorphone	1.595	419221	2644.58	72.8	3044.21	54387	258.0916 ng/ml
Ketamine	4.051	906031	731.45	42.5	3787.83	175694	250.6279 ng/ml
Lamotrigine	4.280	95073	2113.14	82.9	5151.33	175694	390.7145 ng/ml
Levetiracetam	2.676	579174	11538.74	154.5	16345.55	426967	360.2822 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	921832	20268.59	51.6	5892.38	55008	181.0995 ng/ml
MDA	3.203	863013	5984.07	16.0	2403.71	60597	260.3633 ng/ml
MDMA	3.296	678755	3248.19	55.6	3425.87	23622	244.5951 ng/ml
Meprobamate	4.917	231041	38609.82	24.7	6279.55	49873	241.0831 ng/ml
Methadone	5.653	438440	9493.78	44.5	5405.35	72487	251.7995 ng/ml
Methamphetamine	3.231	282608	1219.69	43.6	888.21	69892	247.6374 ng/ml
Metoprolol	4.326	141138	483528.02	92.2	19860.53	365048	240.3611 ng/ml
Mirtazapine	4.631	671597	5952.22	45.3	1899.55	120169	261.0290 ng/ml
Mitragynine	5.237	64123	20394.79	38.7	889.94	72487	243.3479 ng/ml
Morphine	1.240	68808	∞	19.6	435.38	3741	264.7718 ng/ml
Norbuprenorphine	4.992	662	2314.46	89.0	837.83	1060	26.1702 ng/ml
Nordiazepam	5.900	550127	2547.00	60.2	643.67	68421	251.4849 ng/ml
Norfentanyl	4.086	169085	1844.89	37.1	337.23	278614	24.4801 ng/ml
Norhydrocodone	3.059	23738	960.49	43.0	147.12	8943	242.4108 ng/ml
Noroxycodone	2.909	380374	814.71	43.8	792.23	46189	250.4176 ng/ml
O-desmethyl-tramadol	3.376	2288393	36413.99	6.3	467.29	544941	249.1532 ng/ml
Oxazepam	5.756	946893	6022.56	75.2	4852.97	184199	259.3074 ng/ml
Oxycodone	2.834	920040	1840.16	28.8	1636.48	145087	256.7641 ng/ml
Oxymorphone	1.391	364118	2309.76	45.3	∞	44925	255.2619 ng/ml
Phentermine	3.783	177813	1516.98	2.5	124.93	87855	260.6166 ng/ml
Promethazine	5.538	457738	567.40	28.2	941.32	84344	256.0174 ng/ml
Pseudoephedrine	2.596	2114340	18253.26	13.8	552.12	426967	244.4898 ng/ml
Quetiapine	5.562	591138	29011.89	60.8	2507.85	30940	261.1351 ng/ml
Sertraline	5.776	107222	439.69	98.3	1347.56	18263	245.3638 ng/ml
Temazepam	5.823	1701662	82088.90	30.7	430.46	380784	248.9496 ng/ml
Tramadol	4.246	1732669	1055.45	3.4	431.52	365048	242.4239 ng/ml
Trazodone	5.183	538315	424.69	78.7	221201.27	81211	256.9689 ng/ml
Venlafaxine	5.037	1127467	79422.75	37.9	4121.36	257452	247.5103 ng/ml
Zolpidem	4.935	2597005	223934.03	31.0	30262.86	536349	252.5350 ng/ml

SC

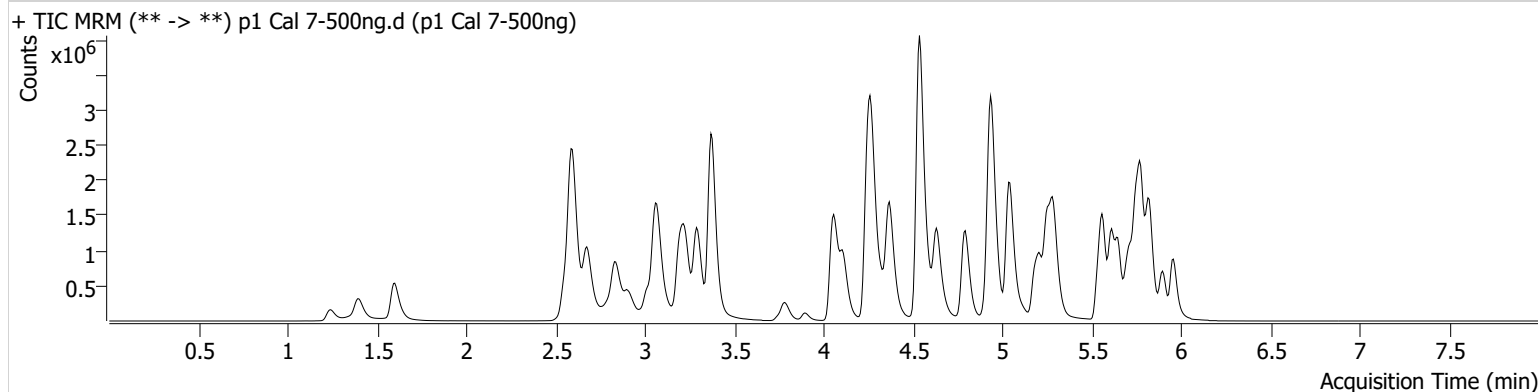


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

<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>	Sarah Collins
<b>Sample Position</b>	P2-B12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2021 6:23:35 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	66017	1038.70	73.1	2785.12	22738	49.7121 ng/ml
7-aminoclonazepam	4.278	629135	10545.30	84.5	8152.09	63192	510.6851 ng/ml
a-hydroxyalprazolam	5.692	356756	∞	60.8	449.82	85742	347.2590 ng/ml
alpha-PHP	4.937	626634	17840.73	267.7	23441.52	263014	476.4202 ng/ml
alpha-PVP	4.370	3228466	7796.80	49.7	26169.30	263014	520.3448 ng/ml
Alprazolam	5.775	1725841	1320.74	109.3	3148.17	85742	510.6525 ng/ml
Amphetamine	3.069	3995739	1699.51	50.7	1158.94	68986	457.7273 ng/ml
Benzoylcegonine	3.892	146443	231.97	7.6	1184.56	10399	501.0372 ng/ml
Buprenorphine	5.880	27863	3272.04	12.7	3849.77	18850	51.9498 ng/ml
Bupropion	4.795	2554856	55433.51	58.0	1535.83	154012	508.0770 ng/ml
Carisoprodol	5.730	845681	2157904.71	48.0	395.65	83865	516.8637 ng/ml
Citalopram	5.212	1077030	19485.38	43.7	1353.20	96942	519.7747 ng/ml
Clonazepam	5.612	1954562	58287.86	32.1	121156.94	42791	489.5883 ng/ml
Clonazepam	5.555	966127	41621.50	38.7	744098.84	42791	503.5109 ng/ml
Cocaine	4.264	3002839	6740.31	46.3	37354.79	450300	510.5092 ng/ml
Codeine	2.573	302678	506.68	102.8	20888.31	32589	462.7468 ng/ml
Cyclobenzaprine	5.615	485284	199.42	10.2	90.23	32466	510.5739 ng/ml
Dextromethorphan	5.262	482952	607.11	77.6	78528.65	46079	513.1612 ng/ml
Dextrophan	4.111	668045	1161.95	207.3	64490.99	184823	513.0367 ng/ml
Diazepam	5.960	1166954	9251.73	88.2	10846.19	119209	501.5222 ng/ml
Dihydrocodeine	2.552	1011896	1012.31	63.0	1295.15	129028	472.2664 ng/ml
Diphenhydramine	5.289	2240675	29284.13	33.4	15661.62	382648	515.2799 ng/ml
Doxylamine	4.536	6929106	311458.51	99.6	172255.30	543802	517.2197 ng/ml
EDDP	5.254	2125209	63839.09	43.3	40422.42	247717	511.4217 ng/ml
Etizolam	5.813	957591	3450.49	27.8	12112.84	42791	506.4769 ng/ml
Fentanyl	5.109	53653	1233.17	63.4	71579.69	60077	51.7182 ng/ml
Flualprazolam	5.705	417816	8178.48	114.9	1232321.44	85742	509.9405 ng/ml
Fluoxetine	5.707	321170	16386.39	9.1	2891.01	29024	512.2887 ng/ml
Hydrocodone	3.012	1072872	3645.08	36.8	1045.85	149937	488.6378 ng/ml
Hydromorphone	1.601	1147644	3435677.07	73.3	3865.43	74240	518.4016 ng/ml
Ketamine	4.051	2914030	187436.75	41.0	1679.28	282755	501.8527 ng/ml
Lamotrigine	4.287	170497	5872.29	83.1	11256.29	282755	435.5220 ng/ml
Levetiracetam	2.676	1194037	13144.64	153.9	20248.79	642586	493.7326 ng/ml



SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	947604	34361.65	53.6	2700.84	42791	239.6601 ng/ml
MDA	3.196	2640185	4199.75	15.4	4435.41	100582	481.0014 ng/ml
MDMA	3.290	2615061	4615.16	54.8	16930.73	43348	514.3395 ng/ml
Meprobamate	4.917	346643	7987.13	24.9	9105.84	44697	404.6353 ng/ml
Methadone	5.653	1376955	51420.60	44.7	2980.20	108535	528.7795 ng/ml
Methamphetamine	3.231	1679794	20085.83	43.4	895.86	205482	502.4025 ng/ml
Metoprolol	4.326	479990	883296.86	91.2	5282.61	574663	520.7289 ng/ml
Mirtazapine	4.631	2436265	201433.40	44.3	748095.59	263014	432.6098 ng/ml
Mitragynine	5.237	207268	15364.01	40.8	94952.20	108535	526.7113 ng/ml
Morphine	1.240	183346	6195.39	19.3	205.55	5380	491.4457 ng/ml
Norbuprenorphine	4.992	2213	294.34	83.1	907.81	1963	47.2492 ng/ml
Nordiazepam	5.900	1005845	40613.91	60.4	849.55	63175	498.7357 ng/ml
Norfentanyl	4.086	539982	2385.07	37.7	770.58	419975	51.8932 ng/ml
Norhydrocodone	3.059	86272	222.05	41.8	161.30	13286	592.9362 ng/ml
Noroxycodone	2.909	937634	1324.85	44.0	9846.27	55908	510.8378 ng/ml
O-desmethyl-tramadol	3.369	7089768	∞	6.0	33206.61	809172	520.4692 ng/ml
Oxazepam	5.749	1138101	6075.77	74.7	11359.30	116149	494.9832 ng/ml
Oxycodone	2.827	2784473	3281.25	28.7	2054.74	227942	495.3445 ng/ml
Oxymorphone	1.398	937522	∞	42.6	∞	55496	533.1164 ng/ml
Phentermine	3.790	794508	2576.79	2.2	777.10	210174	488.0371 ng/ml
Promethazine	5.538	1219800	3482.99	27.7	624.77	113726	506.7695 ng/ml
Pseudoephedrine	2.596	6855070	124854.68	13.3	32401.88	642586	527.2301 ng/ml
Quetiapine	5.562	1400483	384.09	59.5	15280.02	37621	509.3392 ng/ml
Sertraline	5.776	200056	5331.47	97.5	7973.61	16441	509.8191 ng/ml
Temazepam	5.823	2321535	823.06	30.7	7708.04	247736	522.4578 ng/ml
Tramadol	4.246	5834982	225174.78	3.3	669.06	574663	519.8071 ng/ml
Trazodone	5.183	1316383	99829.30	77.8	4759517.55	102893	496.5954 ng/ml
Venlafaxine	5.043	4222138	77672.94	37.3	576.81	462573	516.5408 ng/ml
Zolpidem	4.935	6106744	2056.28	30.1	8933.96	630385	506.0585 ng/ml

SC

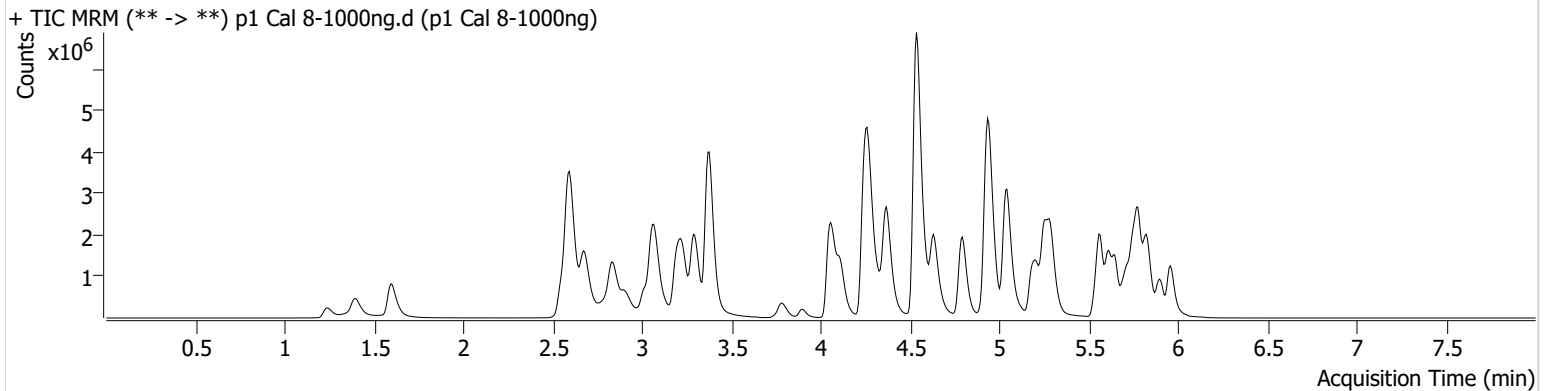


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\090821 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 9/9/2021 1:25:56 PM

<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>	Sarah Collins
<b>Sample Position</b>	P2-A12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2021 6:34:12 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	118619	1408.10	70.9	1783.71	20148	100.8309 ng/ml
7-aminoclonazepam	4.285	845329	12390.79	84.6	81252.07	43291	1002.2603 ng/ml
a-hydroxyalprazolam	5.692	424363	937.00	61.0	643.44	67207	527.1371 ng/ml
alpha-PHP	4.937	892684	24879.65	272.0	70654.79	222883	802.2960 ng/ml
alpha-PVP	4.370	5390584	∞	49.3	72707.19	222883	1025.9677 ng/ml
Alprazolam	5.775	2509221	1420.87	107.7	∞	67207	948.0519 ng/ml
Amphetamine	3.069	5614069	19076.12	50.6	34953.75	55228	804.4023 ng/ml
Benzoylecgonine	3.892	283990	3888.12	7.7	101527.26	9779	1033.9984 ng/ml
Buprenorphine	5.880	29904	67930.37	12.9	4782.11	10510	100.1340 ng/ml
Bupropion	4.795	3957182	63613.95	58.2	2661.86	122831	987.5514 ng/ml
Carisoprodol	5.730	1118466	343473.86	47.9	2019.54	55399	1035.1402 ng/ml
Citalopram	5.219	1373518	956.41	44.3	11201.97	63974	1005.0221 ng/ml
Clonazepam	5.612	2695330	32660.54	31.9	35518.74	31629	914.1753 ng/ml
Clonazepam	5.555	1369420	234178.19	38.1	446622.21	31629	966.5344 ng/ml
Cocaine	4.264	4800893	66124.63	46.0	1708.23	360194	1021.0683 ng/ml
Codeine	2.573	430425	491.67	103.6	224.89	26250	818.5176 ng/ml
Cyclobenzaprine	5.622	395382	84925.62	10.0	1298.58	13840	976.2269 ng/ml
Dextromethorphan	5.262	563682	255.17	78.3	59625.00	27166	1016.5118 ng/ml
Dextrophan	4.111	996251	1977.77	211.4	1096.23	140680	1005.8047 ng/ml
Diazepam	5.960	1824151	7907.36	87.8	27186.75	95900	975.1252 ng/ml
Dihydrocodeine	2.552	1621050	645.90	62.8	24870.90	119516	818.0213 ng/ml
Diphenhydramine	5.289	3036232	29314.26	33.1	12093.21	263155	1015.9388 ng/ml
Doxylamine	4.536	12298374	189259.76	98.7	174763.43	488866	1021.8525 ng/ml
EDDP	5.254	3637870	68356.39	42.7	24120.87	215173	1008.4525 ng/ml
Etizolam	5.813	1462536	6719.27	28.2	3049.63	31629	1045.9407 ng/ml
Fentanyl	5.109	52550	75.07	64.3	120040.81	29570	102.9763 ng/ml
Flualprazolam	5.705	589529	11813.00	117.9	44056.36	67207	918.7932 ng/ml
Fluoxetine	5.707	175871	4932.45	9.1	826.71	8333	977.8727 ng/ml
Hydrocodone	3.012	1746826	1773.56	38.3	666.13	131834	905.8764 ng/ml
Hydromorphone	1.601	1860023	12507.45	73.1	7313103.61	61068	1022.1885 ng/ml
Ketamine	4.051	4928029	166949.44	40.9	19264.79	248509	966.5655 ng/ml
Lamotrigine	4.287	240018	867.09	82.8	24311.91	248509	698.3559 ng/ml
Levetiracetam	2.683	1833299	8638.34	156.9	56173.43	504707	965.6792 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	943944	1670.70	51.7	12986.00	31629	323.3697 ng/ml
MDA	3.196	3713003	5139.83	15.1	2413.15	77253	881.8355 ng/ml
MDMA	3.296	4199465	7023.95	54.3	7534.70	35490	1009.5431 ng/ml
Meprobamate	4.911	449165	67861.10	23.5	3497.24	36395	644.8166 ng/ml
Methadone	5.653	1729992	53551.63	45.1	28772.94	72665	992.8043 ng/ml
Methamphetamine	3.231	2457767	1189.69	43.3	7402.77	165921	911.7365 ng/ml
Metoprolol	4.326	723374	14411.39	93.2	103710.32	487453	926.1495 ng/ml
Mirtazapine	4.631	3620618	131430.43	44.3	6285.81	222883	758.6492 ng/ml
Mitragynine	5.237	193566	3928.67	40.7	998.04	72665	735.1775 ng/ml
Morphine	1.240	290523	1757.71	19.6	3302.47	4463	939.7925 ng/ml
Norbuprenorphine	4.992	2569	3509.35	75.0	39.82	1182	91.0728 ng/ml
Nordiazepam	5.900	1435920	760.54	60.5	1123.87	45646	986.1387 ng/ml
Norfentanyl	4.086	882455	22258.76	37.3	1233.26	327283	108.8521 ng/ml
Norhydrocodone	3.059	158349	∞	41.9	256.12	11612	1245.1174 ng/ml
Noroxycodone	2.909	1362573	1696.54	44.2	295.39	42526	976.7173 ng/ml
O-desmethyl-tramadol	3.376	11917739	255436.30	6.0	16396.96	681682	1039.0906 ng/ml
Oxazepam	5.749	1082948	1240.85	76.3	3545.95	59661	917.6044 ng/ml
Oxycodone	2.827	4802735	1127.53	28.5	1523.00	200644	971.3720 ng/ml
Oxymorphone	1.391	1448396	∞	45.0	∞	50728	901.7210 ng/ml
Phentermine	3.790	1194473	2047.75	2.2	232.17	176589	874.4117 ng/ml
Promethazine	5.538	1012208	22567.49	28.2	650.07	48202	992.9419 ng/ml
Pseudoephedrine	2.596	10966236	77629.08	13.1	34876.74	504707	1074.3143 ng/ml
Quetiapine	5.562	2237587	600.65	59.8	809.45	31016	987.6112 ng/ml
Sertraline	5.776	112028	347.34	95.9	7015.82	4719	995.8326 ng/ml
Temazepam	5.830	2842534	11075.59	30.6	4950.06	151133	1048.9891 ng/ml
Tramadol	4.246	9391302	30397.26	3.3	638.26	487453	987.2466 ng/ml
Trazodone	5.183	2097357	4210.67	78.6	32573.20	83622	974.1898 ng/ml
Venlafaxine	5.043	7145951	104687.96	37.1	52662.65	388728	1040.9463 ng/ml
Zolpidem	4.935	10359520	608476.72	29.8	2039.01	567915	953.6330 ng/ml