

**Worklist: 4891**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-1048	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1243	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1291	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0895	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0896	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0899	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0906	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0951	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0957	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0959	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0962	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0967	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0970	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0987	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0989	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0990	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0991	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0992	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0993	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1015	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1020	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 4895**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-1011	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



8C

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

Extraction Date: 04/07/21  
 Plate lot#: IDP-121-201207

Analyst: Sarah Collins  
 Plate Expiration: 06/07/2021

**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, Buprenorphine 1-100, Codeine 5-500, Dihydrocodeine 5-500, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-250, Norbuprenorphine 2.5-100, alpha-PHP 5-500*

*Hydromorphone ISTD missing. Morphine-D6 used as the Hydromorphone ISTD and thus reported qualitatively. Alprazolam-D5 used as alpha-hydroxyalprazolam ISTD and thus reported qualitatively. Case sample M2021-0843-2 was ran with this batch due to potential contamination from initial extraction.*

8C

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	m2021-1243-2	p2021-0957-1	IS + Cal. 1	IS + QC_1	p2021-1015-1					IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	p2021-0987-1	p2021-0959-1	IS + Cal. 2	IS + QC_2	p2021-1020-2					IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	m2021-1291-3	p2021-0962-1	IS + Cal. 3	IS + QC_3						IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	m2021-0843-2	p2021-0967-1	IS + Cal. 4	IS + QC_4					IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	p2021-0895-1	p2021-0970-1	IS + Cal. 5	IS + QC_2					IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	negative	p2021-0896-1	p2021-0989-1	IS + Cal. 6	p2021-0992-1					IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	m2021-1048-2	p2021-0906-1	p2021-0990-1	IS + Cal. 7	p2021-0993-1					IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	p2021-0899-1	p2021-0951-1	p2021-0991-1	IS + Cal. 8	p2021-1011-3					IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

SC

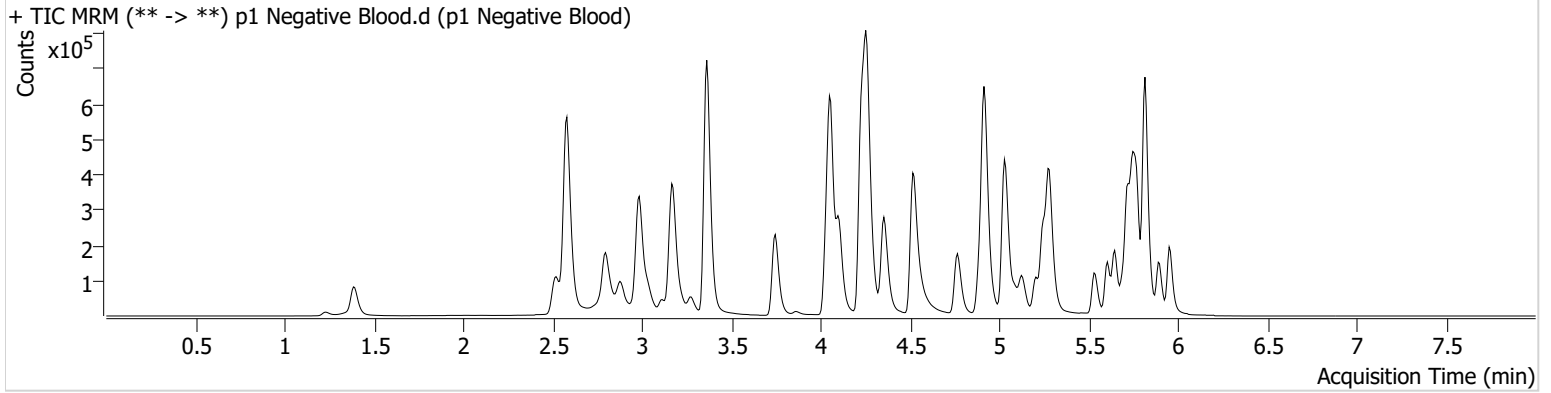


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-F2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/7/2021 8:17:34 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



# AM #28 Multi-Drug Quant. Results

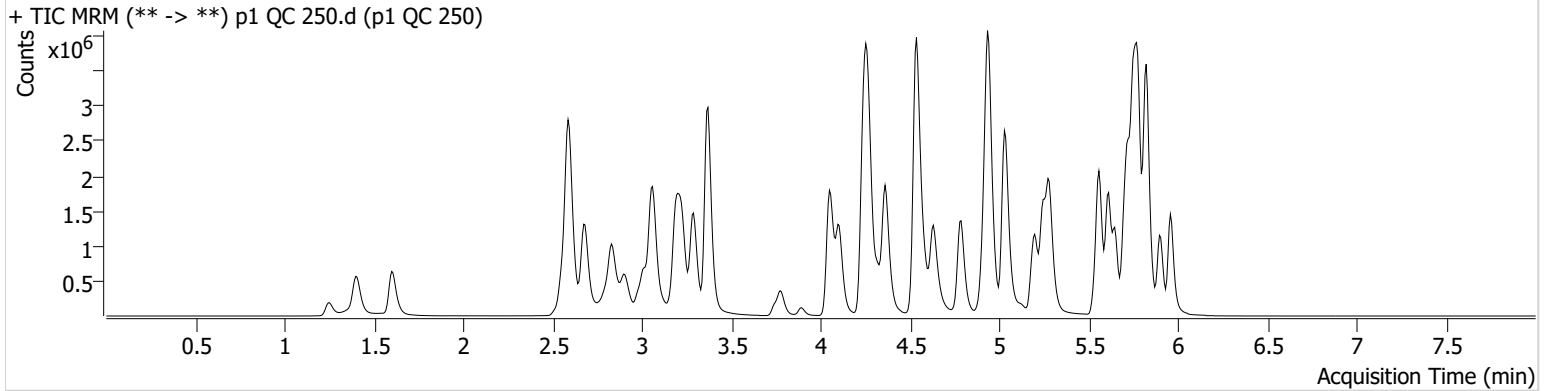
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/7/2021 7:24:30 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	68911	784.34	70.5	696.63	69739	24.0843 ng/ml
7-aminoclonazepam	4.271	1255611	217.93	80.2	20153.08	191498	243.2369 ng/ml
a-hydroxyalprazolam	5.692	635326	576.82	57.1	1836.73	352356	214.6583 ng/ml
alpha-PHP	4.930	588538	17907.30	269.5	61937.15	507239	243.0266 ng/ml
alpha-PVP	4.363	2878792	90112.71	52.1	10123.24	507239	245.6989 ng/ml
Alprazolam	5.775	2498519	1921.61	113.1	∞	352356	251.8681 ng/ml
Amphetamine	3.063	3581043	18847.96	48.1	1900.49	172159	241.2503 ng/ml
Benzoylcegonine	3.892	129016	3686.52	8.0	347.21	17087	252.3910 ng/ml
Buprenorphine	5.901	20732	153.63	13.7	2839.82	29954	24.2115 ng/ml
Bupropion	4.788	2195821	764.20	61.4	1254.26	314569	243.9755 ng/ml
Carisoprodol	5.730	2030298	4006972.72	54.8	7286.42	391041	246.6909 ng/ml
Citalopram	5.205	950955	10319.04	42.1	517.71	177508	240.7166 ng/ml
Clonazepam	5.612	2650065	20326.96	31.8	2404.18	129754	252.5420 ng/ml
Clonazepam	5.548	1938054	279613.87	36.9	1126715.99	129754	256.0559 ng/ml
Cocaine	4.257	2530016	37916.49	51.2	35347.85	926330	248.9606 ng/ml
Codeine	2.573	313441	2063.69	102.0	11950.57	68264	246.2362 ng/ml
Cyclobenzaprine	5.615	244938	7126.12	9.3	109.13	41052	241.9139 ng/ml
Dextromethorphan	5.255	392768	361.01	80.3	4036.40	76677	238.2003 ng/ml
Dextrophan	4.105	814118	1531.81	202.6	127002.53	385010	251.6477 ng/ml
Diazepam	5.960	1548386	1346.79	87.3	524.74	293004	246.5201 ng/ml
Dihydrocodeine	2.552	901931	1478.26	64.6	3223.17	227674	247.5858 ng/ml
Diphenhydramine	5.282	2450302	918.73	32.6	869.07	598216	238.4131 ng/ml
Doxylamine	4.536	6338119	128333.27	97.5	75316.10	1086609	253.2271 ng/ml
EDDP	5.248	1894817	27096.26	42.5	488.92	399099	246.6662 ng/ml
Etizolam	5.820	1456785	57260.74	25.5	618872.49	129754	232.3341 ng/ml
Fentanyl	5.103	36469	582.77	68.5	29964.76	74986	23.6671 ng/ml
Flualprazolam	5.705	1093836	497.09	98.7	20299.75	352356	246.0417 ng/ml
Fluoxetine	5.707	160187	296.71	8.7	994.83	27394	245.5751 ng/ml
Hydrocodone	3.012	1213956	942.98	38.6	2200.86	653828	237.9798 ng/ml
Hydromorphone	1.601	1175508	4413689.52	75.8	7038.55	7925	247.3464 ng/ml
Ketamine	4.051	2606870	855506.93	37.3	1230.37	501050	252.6598 ng/ml
Lamotrigine	4.273	224173	2295.38	82.4	1306.64	501050	223.2238 ng/ml
Levetiracetam	2.683	1358629	17625.09	164.6	8139.23	1103438	256.4922 ng/ml

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>1582851</del>	<del>46532.65</del>	<del>55.2</del>	<del>2678.98</del>	<del>129754</del>	<del>164.4459 ng/ml</del>
MDA	3.196	2968307	10272.29	24.4	3108.92	334525	249.4037 ng/ml
MDMA	3.290	2193207	5537.27	77.2	6209.16	83698	248.2274 ng/ml
Meprobamate	4.917	1147007	∞	28.3	279.06	281091	211.2595 ng/ml
Methadone	5.646	1309955	2132.95	45.8	7304.69	242188	241.8644 ng/ml
Methamphetamine	3.231	2069929	21642.26	37.4	445.14	374437	243.5764 ng/ml
Metoprolol	4.319	584597	4260.74	90.0	3383.61	1177574	245.6246 ng/ml
Mirtazapine	4.631	2017750	138354.88	49.8	14188.63	507239	224.9269 ng/ml
Mitragynine	5.237	163525	307131.91	40.5	1167.63	242188	199.6043 ng/ml
Morphine	1.253	176299	590.19	32.4	530.90	7925	247.3871 ng/ml
Norbuprenorphine	4.979	3265	2803.13	98.1	1849.96	5935	25.9265 ng/ml
Nordiazepam	5.906	1443532	2962.28	57.5	11396.32	199851	244.5529 ng/ml
Norfentanyl	4.079	546990	1810.25	34.0	1017.37	903176	24.0265 ng/ml
Norhydrocodone	3.053	156261	565.01	41.1	186.79	57216	240.5013 ng/ml
Noroxycodone	2.903	1262164	2970.42	42.6	634.23	175017	250.4306 ng/ml
O-desmethyl-tramadol	3.369	6151588	288373.92	6.6	958.46	1449458	249.6719 ng/ml
Oxazepam	5.756	2161949	15092.31	75.2	386.46	354327	253.9911 ng/ml
Oxycodone	2.827	2807120	57591.54	26.9	7842.50	498463	251.1398 ng/ml
Oxymorphone	1.398	1313781	∞	41.9	554.49	189913	251.9497 ng/ml
Phentermine	3.783	845648	4779.79	4.5	1180.90	430638	253.4890 ng/ml
Promethazine	5.532	536533	8225.05	28.5	251.71	95813	232.7522 ng/ml
Pseudoephedrine	2.596	5909034	92663.84	15.9	6700.50	1103438	243.1198 ng/ml
Quetiapine	5.562	1514040	99029.94	59.3	15852.06	84178	234.8555 ng/ml
Sertraline	5.776	72915	10555.76	102.2	304.75	14959	231.3862 ng/ml
Temazepam	5.823	4286980	22595.11	28.7	4894.76	809736	246.8576 ng/ml
Tramadol	4.239	5705937	69833.22	3.6	731.90	1177574	242.6311 ng/ml
Trazodone	5.183	1170537	344113.15	79.2	27189.59	198211	249.5697 ng/ml
Venlafaxine	5.030	4520922	113952.52	38.5	1310.21	902491	246.3224 ng/ml
Zolpidem	4.941	6398185	210295.07	30.4	65456.34	1254711	254.1527 ng/ml

\*OCR

# AM #28 Multi-Drug Quant. Results

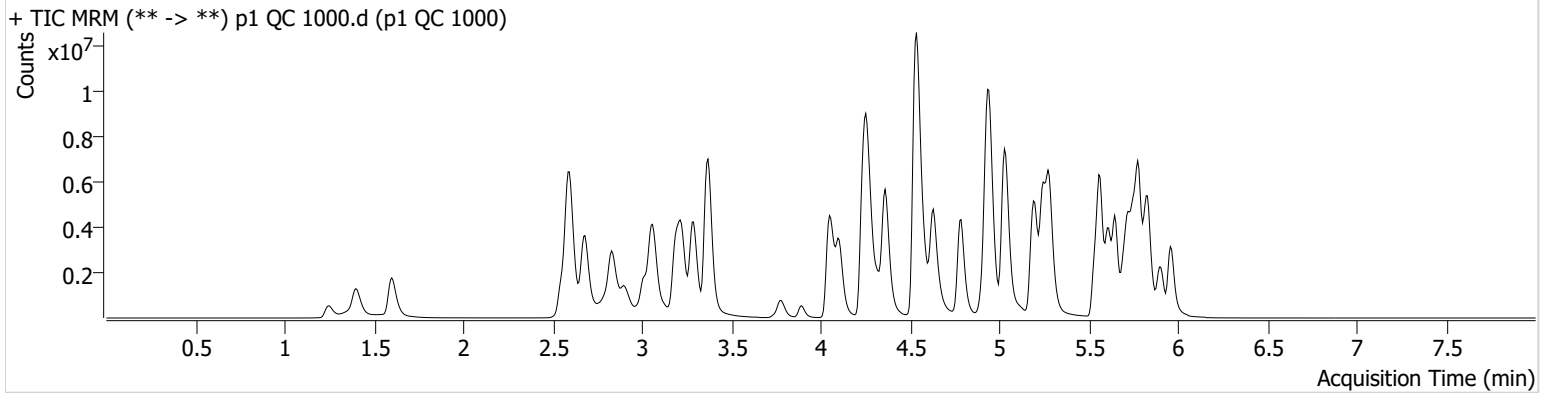
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 1000.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 1000
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-D2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/7/2021 7:45:44 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	264479	2285.16	71.3	1915.06	64204	100.2289 ng/ml
7-aminoclonazepam	4.278	2449427	13211.05	79.9	37129.82	86343	1052.6291 ng/ml
* a-hydroxyalprazolam	<del>5.692</del>	<del>1011317</del>	<del>616.98</del>	<del>57.7</del>	<del>1159.18</del>	<del>217623</del>	<del>554.5212 ng/ml</del>
* alpha-PHP	<del>4.930</del>	<del>1533823</del>	<del>50009.99</del>	<del>273.6</del>	<del>44645.61</del>	<del>411019</del>	<del>782.9480 ng/ml</del>
alpha-PVP	4.363	9759724	18043.58	51.5	48753.30	411019	1027.1933 ng/ml
Alprazolam	5.782	6160006	∞	112.3	∞	217623	1004.4535 ng/ml
* Amphetamine	<del>3.063</del>	<del>8535135</del>	<del>78401.18</del>	<del>48.0</del>	<del>15479.60</del>	<del>121161</del>	<del>819.1544 ng/ml</del>
Benzoylcegonine	3.892	619053	2098.51	7.7	1036.12	17936	1153.3143 ng/ml
Buprenorphine	5.901	66829	2820.44	14.3	19935.37	22650	102.8243 ng/ml
Bupropion	4.788	7360065	7776.10	59.7	1176.56	257100	1000.3966 ng/ml
Carisoprodol	5.730	3803984	14858160.84	54.2	6349.87	172836	1043.8932 ng/ml
Citalopram	5.205	3424709	1070.47	42.2	512.74	153375	1002.4898 ng/ml
Clonazepam	5.612	5474184	38640.42	31.3	36581.16	75114	902.2948 ng/ml
Clonazepam	5.549	3830355	48565.33	36.9	2229097.28	75114	874.9715 ng/ml
Cocaine	4.257	7534462	2139.96	51.0	3298.00	667490	1028.7306 ng/ml
* Codeine	<del>2.573</del>	<del>743643</del>	<del>482.29</del>	<del>99.2</del>	<del>15946.48</del>	<del>52957</del>	<del>754.6471 ng/ml</del>
Cyclobenzaprine	5.615	1661049	2260.59	9.1	1115.27	66987	1005.1065 ng/ml
Dextromethorphan	5.255	1390935	43888.88	78.8	446027.15	66308	975.6725 ng/ml
Dextrophan	4.105	2433833	24243.37	210.7	∞	288426	1003.6374 ng/ml
Diazepam	5.960	4046777	9409.44	87.9	602.68	193612	975.0977 ng/ml
* Dihydrocodeine	<del>2.545</del>	<del>2640146</del>	<del>4887.19</del>	<del>66.0</del>	<del>2603.26</del>	<del>212359</del>	<del>777.9140 ng/ml</del>
Diphenhydramine	5.282	8840101	166714.33	32.2	10681.31	515308	997.1802 ng/ml
Doxylamine	4.545	22663721	291055.30	97.5	415335.93	1021336	962.9393 ng/ml
EDDP	5.248	8106964	94662.70	41.0	6707.85	399070	1054.8323 ng/ml
Etizolam	5.820	3879828	9418.78	25.0	2814.32	75114	1067.4244 ng/ml
Fentanyl	5.103	187358	2831.45	69.8	232671.28	91363	99.9626 ng/ml
Flualprazolam	5.705	2435135	21906.30	103.6	68025.85	217623	887.6399 ng/ml
Fluoxetine	5.707	733224	40387.92	8.8	118.78	32884	936.8828 ng/ml
Hydrocodone	3.012	3952039	1788.47	39.5	656.04	571961	887.1850 ng/ml
Hydromorphone	1.601	3657572	18111308.82	76.5	13070983.7	6519	935.9187 ng/ml
Ketamine	4.051	8695767	195894.39	36.2	62014.57	444269	951.2930 ng/ml
* Lamotrigine	<del>4.280</del>	<del>504940</del>	<del>9160.62</del>	<del>80.9</del>	<del>491.66</del>	<del>444269</del>	<del>567.3990 ng/ml</del>



SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.683	3867259	2912.07	168.0	13676.59	736087	1093.1830 ng/ml
*Lorazepam	<del>5.747</del>	<del>1804015</del>	<del>58133.51</del>	<del>56.8</del>	<del>606.13</del>	<del>75114</del>	<del>324.4659 ng/ml</del>
MDA	3.196	7043861	2419.65	23.5	3190.12	233199	850.5845 ng/ml
MDMA	3.290	6842852	72532.06	78.1	22500.84	65331	992.0384 ng/ml
*Meprobamate	<del>4.911</del>	<del>2097351</del>	<del>42264.52</del>	<del>27.4</del>	<del>17374.66</del>	<del>209748</del>	<del>518.9746 ng/ml</del>
Methadone	5.646	5504099	304173.85	45.9	58794.83	238205	1032.3613 ng/ml
Methamphetamine	3.224	5893549	43905.69	37.5	1137.27	287563	909.2100 ng/ml
Metoprolol	4.319	1663821	3699989.62	90.2	35745.27	890956	925.4164 ng/ml
Mirtazapine	4.631	7975138	3996.26	49.2	31346.93	411019	1091.8476 ng/ml
Mitragynine	5.230	629416	150621.95	40.0	2484.14	238205	780.1568 ng/ml
Morphine	1.247	578361	22013.94	32.1	6813.62	6519	987.6251 ng/ml
Norbuprenorphine	4.979	9661	4957.46	103.9	148.07	4944	92.5289 ng/ml
Nordiazepam	5.906	3344319	123438.47	57.3	954.51	119562	947.2904 ng/ml
Norfentanyl	4.079	1734050	486571.31	33.8	5378.59	610357	112.4822 ng/ml
Norhydrocodone	3.060	503755	∞	40.9	92.38	39417	1123.3364 ng/ml
Noroxycodone	2.903	2937715	3304.63	43.3	443.85	91889	1110.5138 ng/ml
O-desmethyl-tramadol	3.369	18616072	318578.49	6.9	93531.96	1126570	971.4436 ng/ml
Oxazepam	5.756	2541628	24318.92	73.2	12944.63	116766	906.9730 ng/ml
Oxycodone	2.827	9445740	1703.21	26.4	9583.43	445121	946.5382 ng/ml
Oxymorphone	1.398	3832783	∞	42.0	∞	145635	959.0341 ng/ml
Phentermine	3.783	2202038	∞	4.3	816.79	340105	837.2382 ng/ml
Promethazine	5.532	3607482	3537.28	28.0	31602.17	153189	977.6886 ng/ml
Pseudoephedrine	2.596	17027722	123123.78	15.9	135981.34	736087	1048.7325 ng/ml
Quetiapine	5.562	6790716	269880.73	57.0	888.17	87561	1011.4314 ng/ml
Sertraline	5.776	384179	6619.14	102.1	10742.02	18637	978.8717 ng/ml
Temazepam	5.830	7275273	66280.87	27.8	11127.54	330416	1025.4594 ng/ml
Tramadol	4.239	16295642	12923.85	3.7	2309.36	890956	916.6588 ng/ml
Trazodone	5.183	6324876	249877.73	79.5	664.63	278603	960.7120 ng/ml
Venlafaxine	5.030	15088470	4234.02	38.3	1391.65	708848	1045.5535 ng/ml
Zolpidem	4.941	19843115	576459.46	31.5	9600.26	1092706	905.5737 ng/ml

\*OCR

# AM #28 Multi-Drug Quant. Results

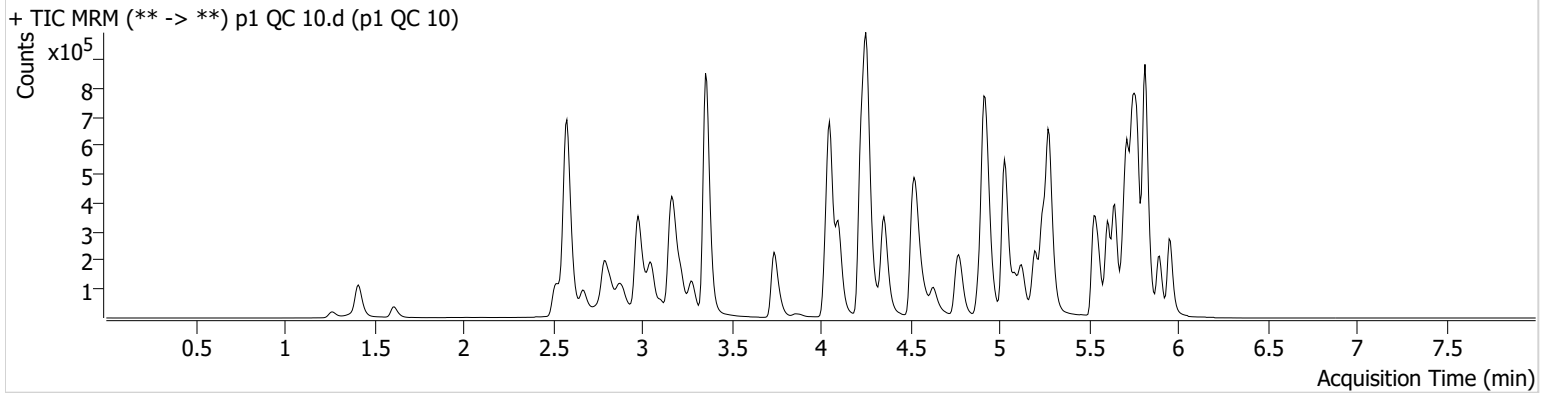
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-A2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/7/2021 7:03:16 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	3649	4073.83	65.6	∞	88354	1.0595 ng/ml
7-aminoclonazepam	4.265	85521	1370.03	80.8	139.13	335306	9.3918 ng/ml
a-hydroxyalprazolam	5.699	48284	613.96	56.7	552.28	522917	10.2233 ng/ml
alpha-PHP	4.930	36590	536.97	277.5	1428.20	702296	10.3474 ng/ml
alpha-PVP	4.363	158223	803.27	52.4	239.55	702296	9.9880 ng/ml
Alprazolam	5.775	139697	753.23	114.8	1900.29	522917	9.8007 ng/ml
Amphetamine	3.056	267561	867.59	47.9	253.03	276133	10.3862 ng/ml
Benzoylecgonine	3.886	6131	267.65	8.0	5.15 <b>Low</b>	21092	9.8253 ng/ml
Buprenorphine	5.901	2477	125.16	14.0	609.14	81263	1.1804 ng/ml
Bupropion	4.788	131609	387.06	60.5	421.14	476128	9.7133 ng/ml
Carisoprodol	5.724	137377	5735.24	56.0	175.27	705774	9.7950 ng/ml
Citalopram	5.205	76410	228.86	42.1	282.52	370507	9.5133 ng/ml
Clonazepam	5.612	162659	3328.87	32.4	1155.96	192107	10.0419 ng/ml
Clonazepam	5.548	106817	18513.16	37.8	80150.10	192107	9.2218 ng/ml
Cocaine	4.257	141632	821.76	50.3	138.67	1330664	9.7596 ng/ml
Codeine	2.573	19246	1615.43	104.9	88525.75	94574	10.1803 ng/ml
Cyclobenzaprine	5.615	55495	2148.55	9.3	170.95	231035	9.8242 ng/ml
Dextromethorphan	5.255	39836	98.29	78.6	5339.11	192592	9.5544 ng/ml
Dextrophan	4.105	46009	456.12	205.3	1785.24	555417	10.0488 ng/ml
Diazepam	5.960	88540	299.70	87.5	3734.89	417495	9.8757 ng/ml
Dihydrocodeine	2.552	48242	818.56	65.2	436.98	283606	10.2222 ng/ml
Diphenhydramine	5.282	184542	7700.14	33.5	1426.42	1193753	9.4040 ng/ml
Doxylamine	4.536	308660	213.22	99.0	1100.14	1383594	9.8267 ng/ml
EDDP	5.248	90797	4813.41	42.0	80.25	494285	9.7210 ng/ml
Etizolam	5.820	82061	12168.69	25.7	56305.28	192107	9.2290 ng/ml
Fentanyl	5.103	5822	90.45	65.0	6721.56	279434	0.9634 ng/ml
Flualprazolam	5.705	67310	867.63	93.1	1621.62	522917	9.9161 ng/ml
Fluoxetine	5.707	72585	1120.31	9.1	582.96	298316	10.0542 ng/ml
Hydrocodone	3.005	67616	164.57	38.9	130.42	821369	10.0079 ng/ml
Hydromorphone	1.615	66794	1238.06	70.7	1160.86	11028	9.9973 ng/ml
Ketamine	4.051	133882	1456.30	38.2	256.62	654220	9.6678 ng/ml
Lamotrigine	4.273	13948	213.03	80.7	621.30	654220	10.4305 ng/ml
Levetiracetam	2.676	71145	687.44	165.5	846.23	1653136	9.3389 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	156817	7816.35	56.8	300.87	192107	10.3241 ng/ml
MDA	3.189	201101	625.85	24.4	374.95	515861	10.3270 ng/ml
MDMA	3.283	120299	1324.46	77.1	1044.61	114447	10.0118 ng/ml
Meprobamate	4.917	79514	2093.06	28.1	5867.72	380125	9.9899 ng/ml
Methadone	5.646	128181	877.46	47.0	480.53	595752	9.8806 ng/ml
Methamphetamine	3.224	182417	327.93	37.6	469.63	633906	10.5158 ng/ml
Metoprolol	4.319	32347	46412.55	91.6	981.11	1492557	10.2190 ng/ml
Mirtazapine	4.631	130377	1313.40	50.6	1371.71	702296	11.7985 ng/ml
Mitragynine	5.230	22178	33360.71	39.7	10153.85	595752	11.3216 ng/ml
Morphine	1.274	9655	3077.06	31.1	435.32	11028	9.4144 ng/ml
* Norbuprenorphine	<del>4.979</del>	<del>266</del>	<del>146.93</del>	<del>91.0</del>	<del>116.52</del>	<del>13057</del>	<del>0.7892 ng/ml</del>
Nordiazepam	5.900	87190	1714.08	57.6	1339.35	299654	9.7672 ng/ml
Norfentanyl	4.079	28026	3687.88	33.6	112.51	1256787	0.9440 ng/ml
Norhydrocodone	3.053	10799	40.94	43.1	74.57	97415	10.3076 ng/ml
Noroxycodone	2.896	79994	552.70	42.3	761.15	278774	9.8746 ng/ml
O-desmethyl-tramadol	3.362	305776	1423.96	6.8	300.09	1932697	9.5309 ng/ml
Oxazepam	5.756	180826	1532.46	72.8	796.79	728156	10.0091 ng/ml
Oxycodone	2.821	148615	803.72	26.9	376.19	649777	10.1295 ng/ml
Oxymorphone	1.418	75146	1328.92	43.1	362.24	271788	9.8873 ng/ml
Phentermine	3.776	53419	188.54	4.4	27.73	624964	10.4282 ng/ml
Promethazine	5.532	123343	4708.49	28.0	441.02	525213	10.0961 ng/ml
Pseudoephedrine	2.589	331455	3684.51	16.2	1063.74	1653136	9.5331 ng/ml
Quetiapine	5.555	108857	1649.21	58.9	2380.32	141573	10.3973 ng/ml
Sertraline	5.776	32710	700.08	101.6	300.97	163916	9.3790 ng/ml
Temazepam	5.823	282178	368.31	29.0	82.99	1381596	9.8889 ng/ml
Tramadol	4.239	303346	1744.17	3.8	49.80	1492557	9.8966 ng/ml
Trazodone	5.183	92675	1129.99	80.3	2673.95	397023	9.4230 ng/ml
Venlafaxine	5.030	227348	1349.70	39.1	283.31	1178629	9.8166 ng/ml
Zolpidem	4.941	323337	2581.70	32.4	345.84	1656008	9.5471 ng/ml

\*OCR

# AM #28 Multi-Drug Quant. Results

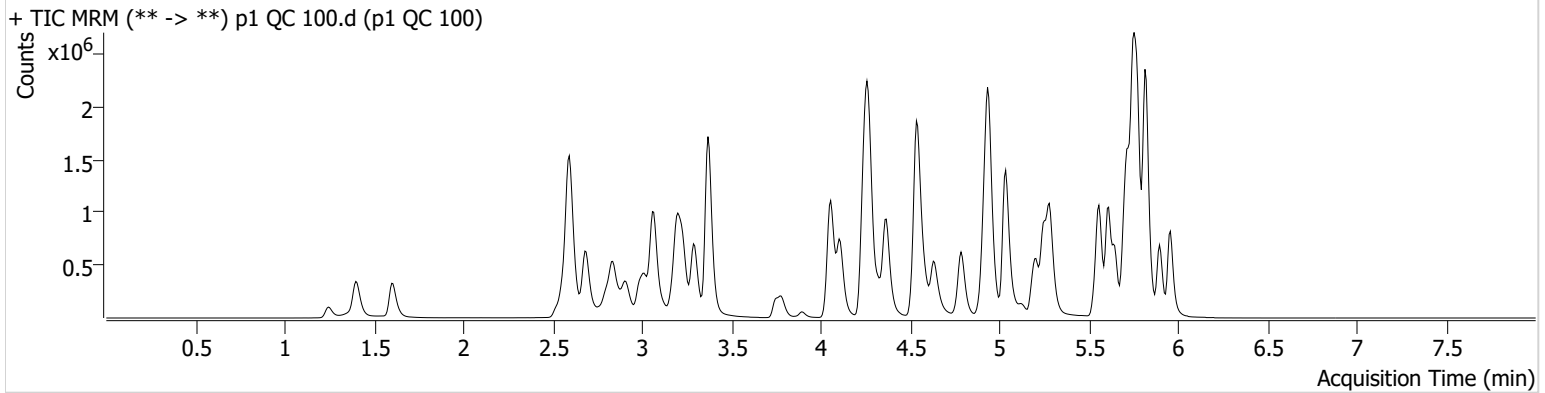
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/8/2021 3:32:44 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	31339	961.48	69.9	58795.16	78182	9.8028 ng/ml
7-aminoclonazepam	4.271	673820	25968.91	80.1	3279.52	247569	100.9259 ng/ml
a-hydroxyalprazolam	5.692	376219	1891.31	58.5	687.36	435947	102.3172 ng/ml
alpha-PHP	4.937	273742	2650.65	264.7	34021.27	556278	102.7312 ng/ml
alpha-PVP	4.370	1280847	1144.54	52.7	6288.24	556278	99.8259 ng/ml
Alprazolam	5.775	1251436	1224.52	113.9	11570.02	435947	102.1568 ng/ml
Amphetamine	3.069	1840446	7837.48	48.3	1388.70	202947	104.6746 ng/ml
Benzoylcegonine	3.892	60449	20233.72	8.0	180.95	17412	116.1138 ng/ml
Buprenorphine	5.901	9798	7475.78	16.3	1907.69	36216	9.5365 ng/ml
Bupropion	4.788	920267	2204.48	60.9	9725.36	320831	100.2863 ng/ml
Carisoprodol	5.724	1155885	55660.71	53.6	3329.34	554923	99.3087 ng/ml
Citalopram	5.212	461572	457.39	43.4	627323.59	211772	98.0866 ng/ml
Clonazepam	5.612	1445483	1817.72	31.8	1355.65	165437	107.7830 ng/ml
Clonazepam	5.549	991470	47565.19	37.4	924806.50	165437	102.5462 ng/ml
Cocaine	4.264	1188373	48334.39	51.3	90284.40	1065728	101.6788 ng/ml
Codeine	2.580	168348	1119.49	102.2	7351.35	83322	107.9225 ng/ml
Cyclobenzaprine	5.615	148012	171976.36	8.9	275.20	62458	96.1384 ng/ml
Dextromethorphan	5.255	180304	4142.57	80.3	9982.51	84565	99.1096 ng/ml
Dextrophan	4.111	384528	2189.18	210.7	25157.30	452323	101.2899 ng/ml
Diazepam	5.960	763320	9405.07	87.5	1749.28	350072	101.7070 ng/ml
Dihydrocodeine	2.559	442635	1018.32	62.9	962.55	256352	107.6724 ng/ml
Diphenhydramine	5.289	1088619	73386.05	32.5	472.10	652635	97.3400 ng/ml
Doxylamine	4.536	2792389	3948.03	97.1	3716.32	1175456	103.2192 ng/ml
EDDP	5.254	881248	2573.43	42.8	206.86	458673	99.9299 ng/ml
Etizolam	5.813	717142	54406.65	26.0	365318.61	165437	89.9522 ng/ml
Fentanyl	5.109	17692	589.67	67.6	29182.47	85487	10.0410 ng/ml
Flualprazolam	5.705	572655	8152.45	97.0	40614.99	435947	103.9394 ng/ml
Fluoxetine	5.700	110549	4627.35	8.5	243.53	47343	97.9619 ng/ml
Hydrocodone	3.018	606371	520.82	37.4	∞	715008	108.3907 ng/ml
Hydromorphone	1.601	585887	5033293.77	75.2	5719.28	10569	92.3731 ng/ml
Ketamine	4.059	1168706	49793.45	38.2	686.66	556715	101.7783 ng/ml
Lamotrigine	4.280	120000	2094.61	80.5	20706.34	556715	107.4324 ng/ml
Levetiracetam	2.683	633707	1189.91	164.5	11643.67	1249208	105.9034 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1134587	6343.95	55.8	3423.84	165437	92.1313 ng/ml
MDA	3.203	1505666	6211.35	25.3	1640.86	401819	104.9415 ng/ml
MDMA	3.290	987385	2527.92	78.4	5546.72	90913	102.9174 ng/ml
Meprobamate	4.917	693590	35360.99	26.7	6874.46	345902	103.3619 ng/ml
Methadone	5.646	589340	1622.75	46.0	6798.91	276184	95.5827 ng/ml
Methamphetamine	3.231	988048	∞	38.8	28239.42	415259	103.5376 ng/ml
Metoprolol	4.326	269379	34266.42	89.6	2192.04	1251359	106.2104 ng/ml
Mirtazapine	4.637	831863	12667.31	48.2	108758.99	556278	85.4084 ng/ml
Mitragynine	5.237	85720	500.40	39.2	47960.16	276184	91.9344 ng/ml
Morphine	1.247	88702	2168.16	28.6	1773.49	10569	93.1221 ng/ml
Norbuprenorphine	4.986	1393	5446.60	87.4	1258.10	6437	10.0870 ng/ml
Nordiazepam	5.900	747308	17260.28	57.8	1245.49	245935	102.8295 ng/ml
Norfentanyl	4.079	246329	317.69	33.2	1020.37	1012350	9.6900 ng/ml
Norhydrocodone	3.060	85843	360.08	42.1	131.61	78250	96.9456 ng/ml
Noroxycodone	2.909	677608	1719.83	41.6	16379.19	220224	106.7940 ng/ml
O-desmethyl-tramadol	3.369	2747283	133492.81	6.8	5848.10	1618705	99.9838 ng/ml
Oxazepam	5.756	1420461	27328.02	74.2	437.07	540592	109.1847 ng/ml
Oxycodone	2.834	1316608	12706.49	26.9	7604.77	554908	105.7667 ng/ml
Oxymorphone	1.398	661484	876.95	43.3	∞	229077	105.0573 ng/ml
Phentermine	3.783	399696	1348.04	4.7	94.96	471454	109.0792 ng/ml
Promethazine	5.532	292779	10021.64	28.4	403.16	125179	97.4176 ng/ml
Pseudoephedrine	2.596	2704292	3450.46	16.4	44182.19	1249208	98.5477 ng/ml
Quetiapine	5.562	712507	283.97	59.1	103280.73	89583	104.0622 ng/ml
Sertraline	5.776	49196	1557.92	106.8	1387.79	26357	88.5468 ng/ml
Temazepam	5.823	2402701	940.74	29.5	369.11	1124380	99.8648 ng/ml
Tramadol	4.246	2583395	67285.45	3.6	∞	1251359	103.2074 ng/ml
Trazodone	5.190	537655	834613.91	80.3	815082.55	221588	102.2690 ng/ml
Venlafaxine	5.037	1985779	892.23	39.1	7340.93	978541	99.9916 ng/ml
Zolpidem	4.941	2986279	1254.08	30.5	7185.04	1418411	104.8200 ng/ml

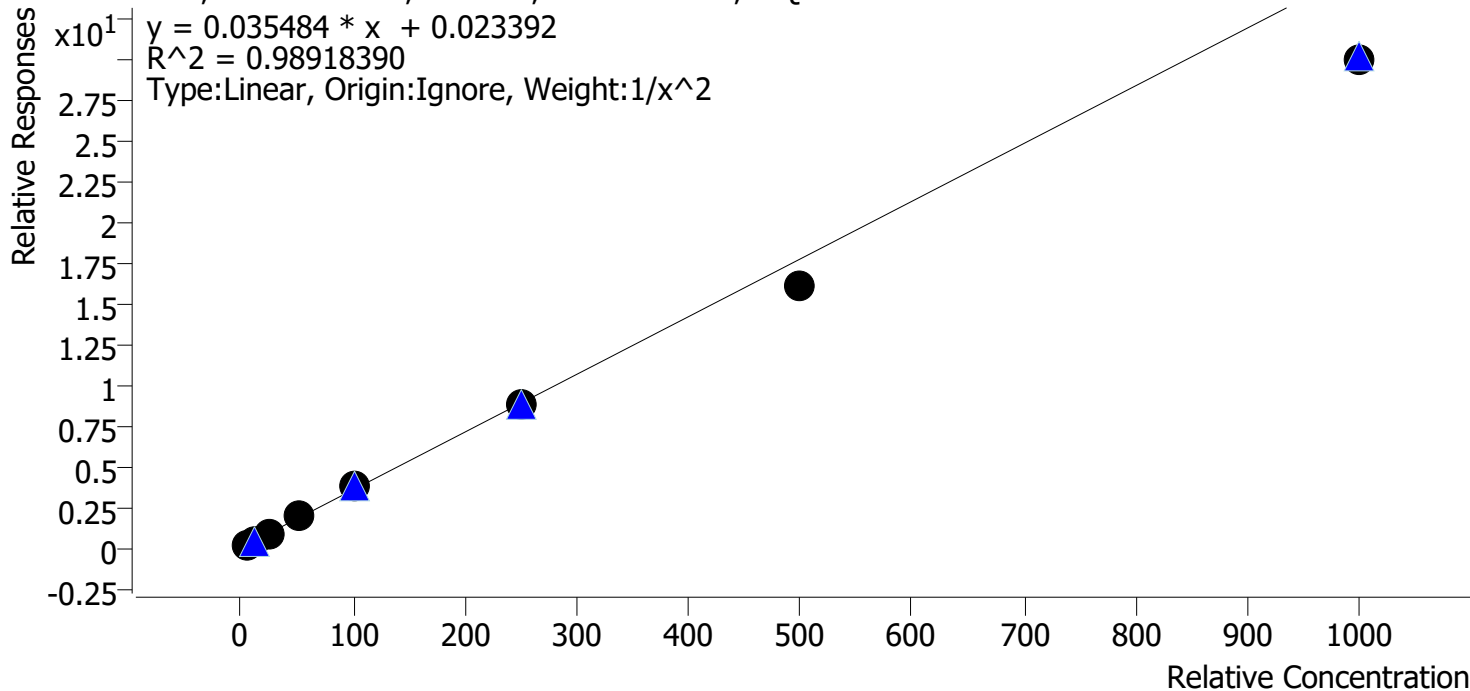
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**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	96.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	56.3	112.5
p1 Cal 5-100ng	5	✓	100.0	108.1	108.1
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	456.6	91.3
p1 Cal 8-1000ng	8	✓	1000.0	844.8	84.5

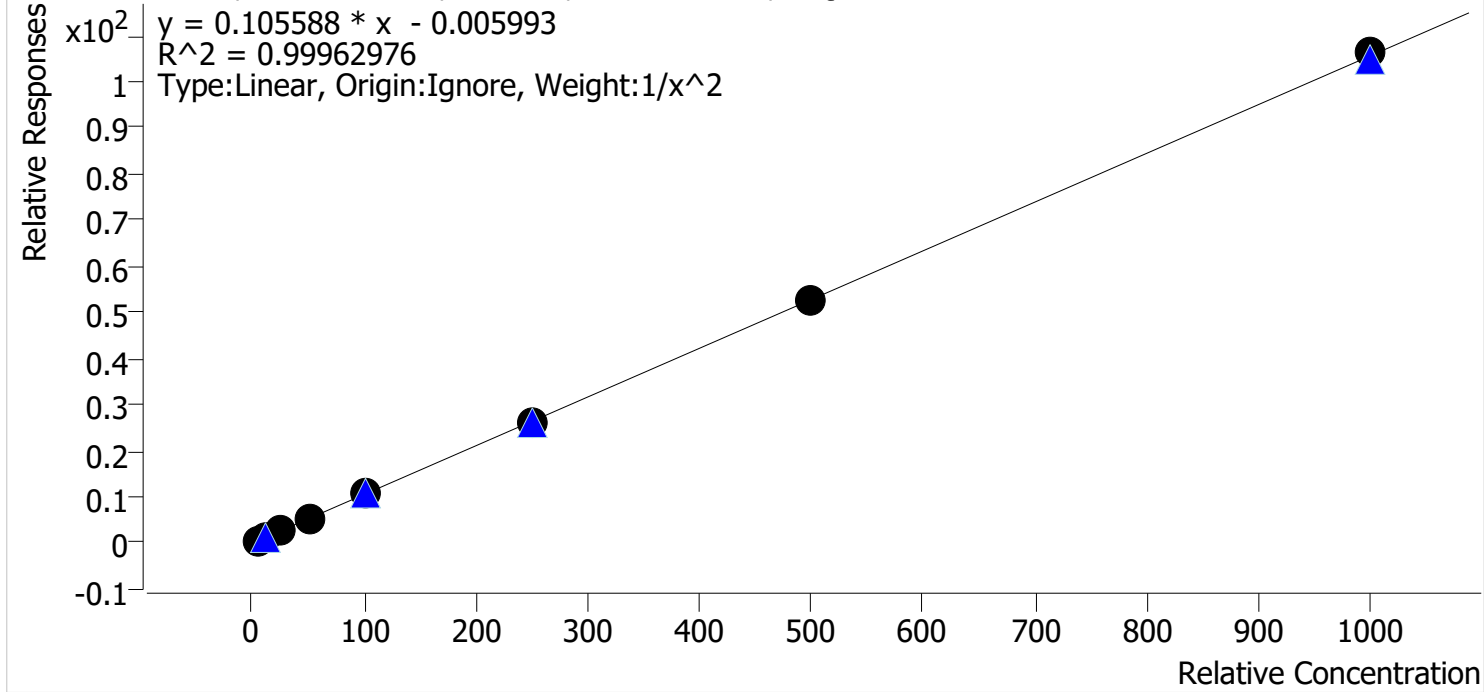
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	495.3	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1006.8	100.7

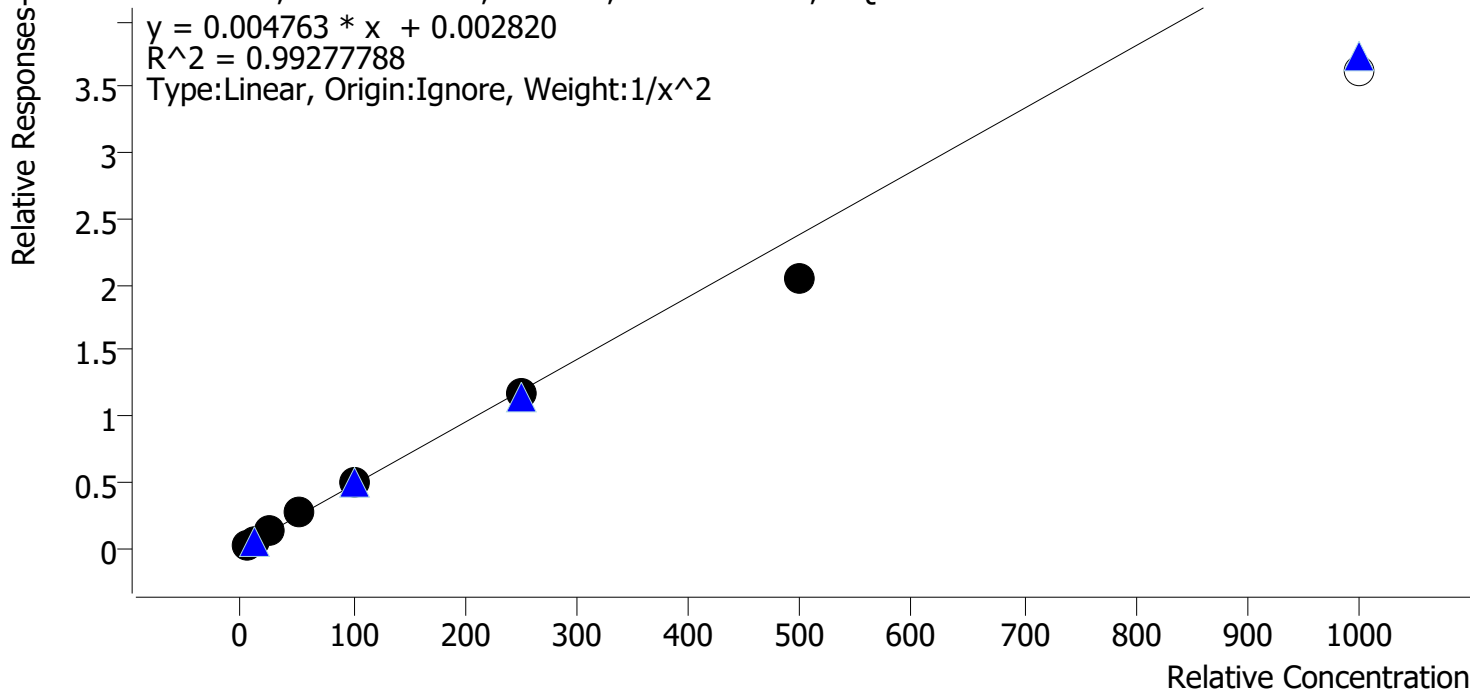
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

alpha-PHP - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	432.1	86.4
p1 Cal 8-1000ng	8	✗	1000.0	763.1	76.3

Calibrator 8 dropped due to not meeting accuracy requirement



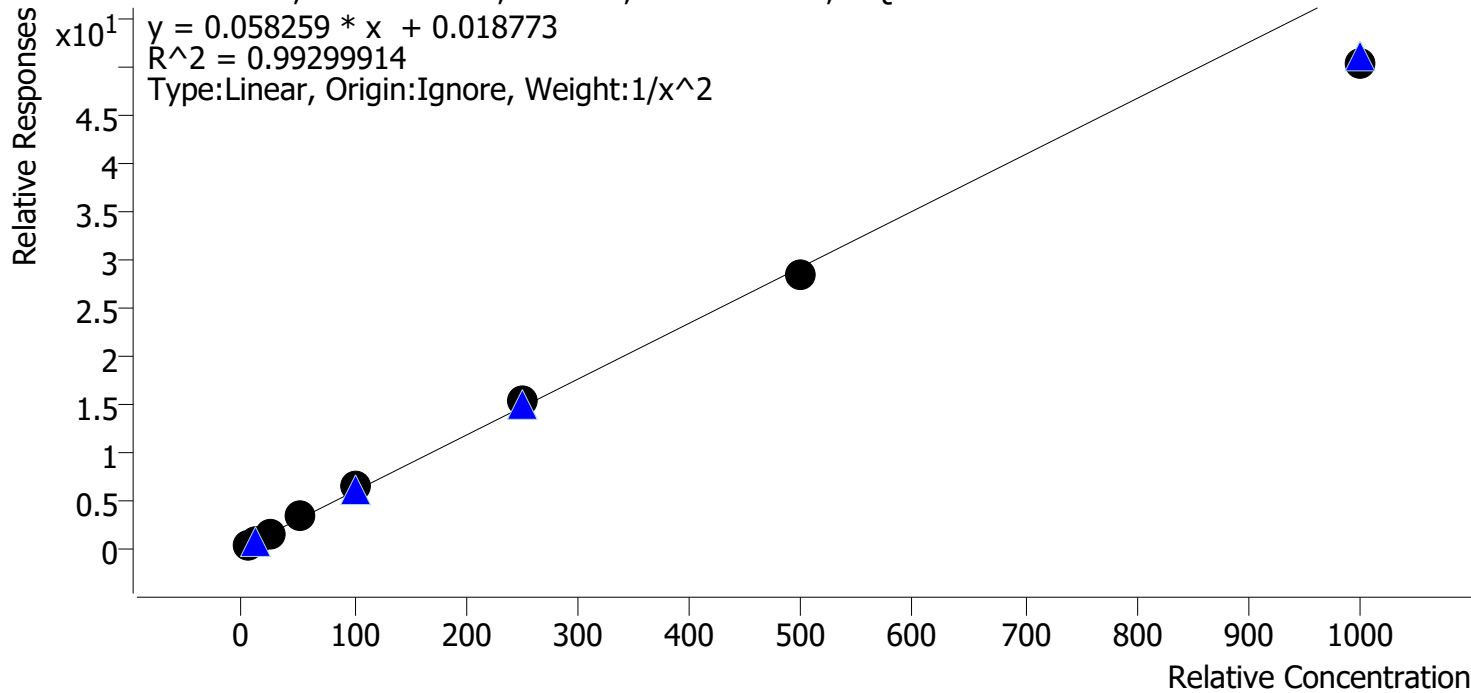
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**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	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	55.1	110.3
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	260.4	104.2
p1 Cal 7-500ng	7	✓	500.0	484.8	97.0
p1 Cal 8-1000ng	8	✓	1000.0	863.1	86.3

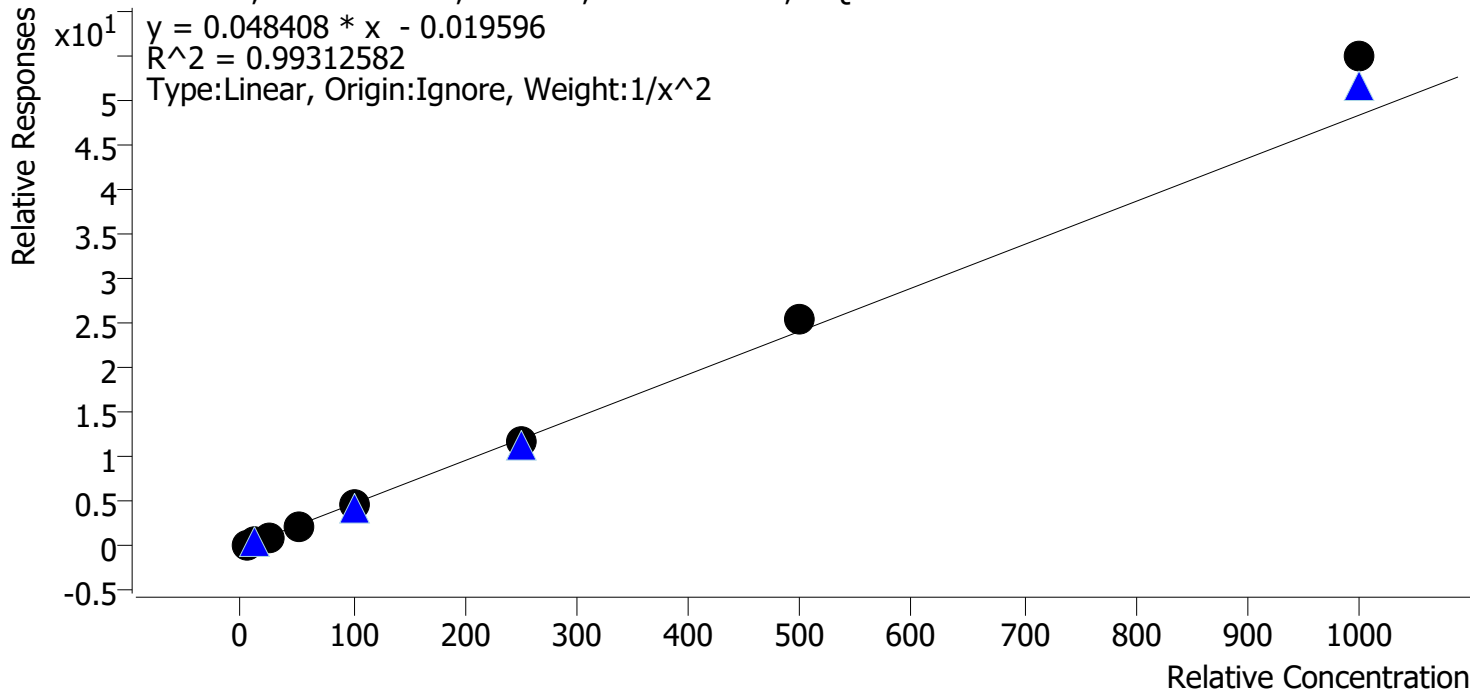
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



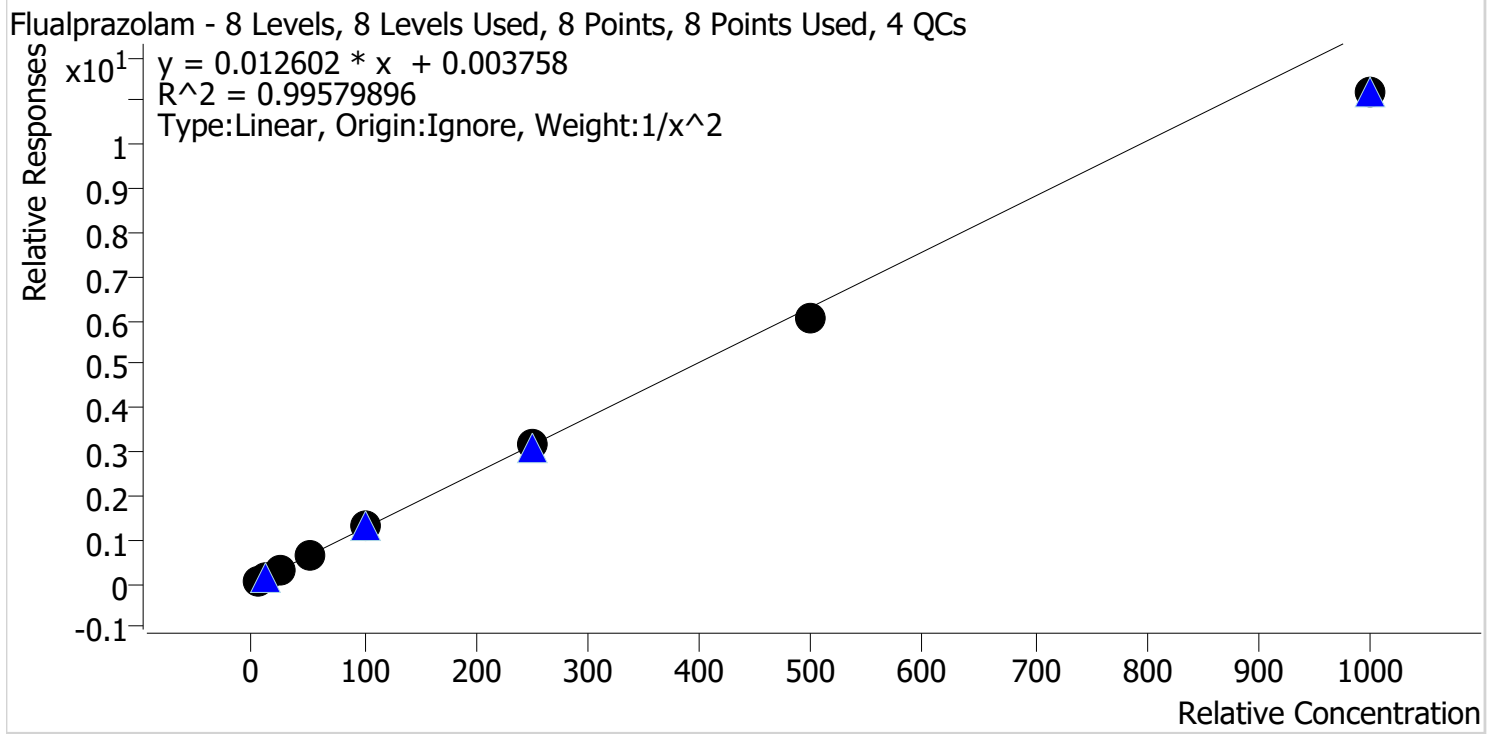
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.1
p1 Cal 2-10ng	2	✓	10.0	9.4	93.8
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.6
p1 Cal 4-50ng	4	✓	50.0	48.4	96.7
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	✓	250.0	245.6	98.3
p1 Cal 7-500ng	7	✓	500.0	524.6	104.9
p1 Cal 8-1000ng	8	✓	1000.0	1135.6	113.6

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	482.5	96.5
p1 Cal 8-1000ng	8	✓	1000.0	887.6	88.8

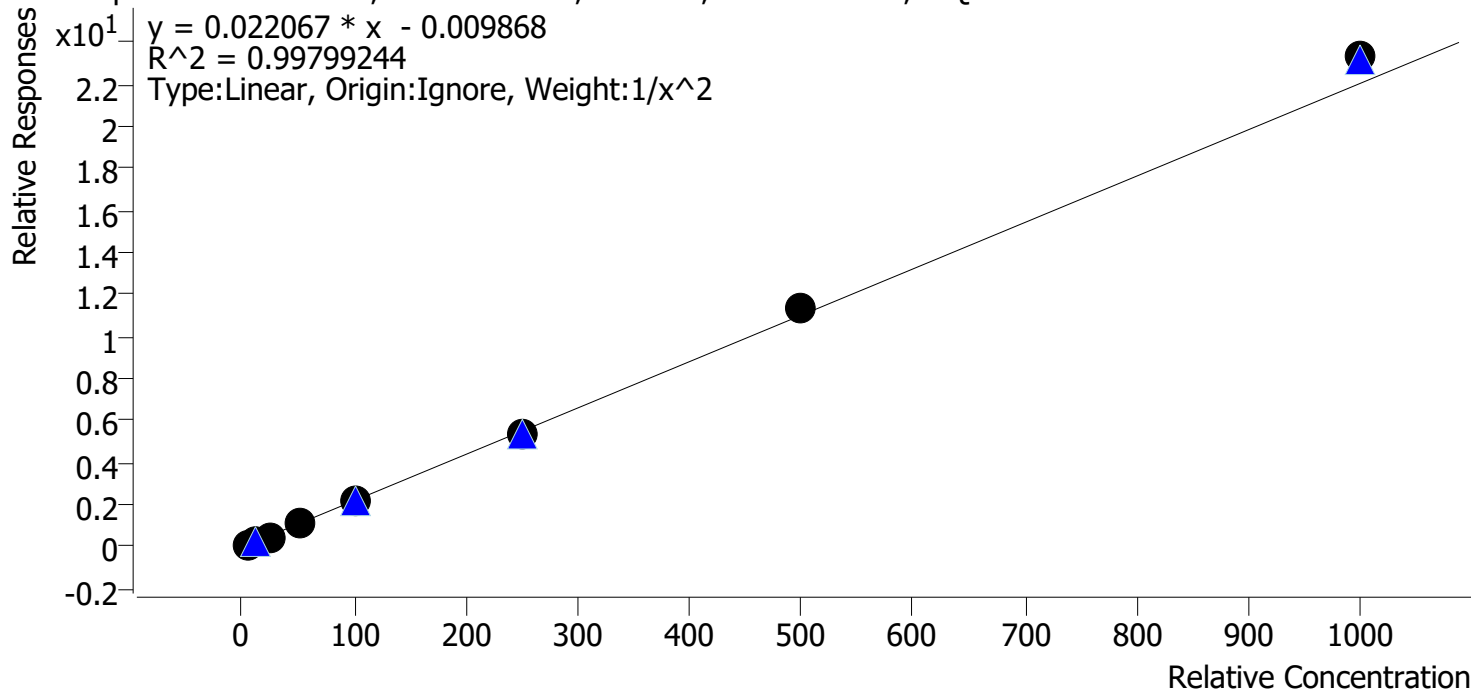
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datator  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	245.9	98.3
p1 Cal 7-500ng	7	✓	500.0	518.3	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1057.8	105.8

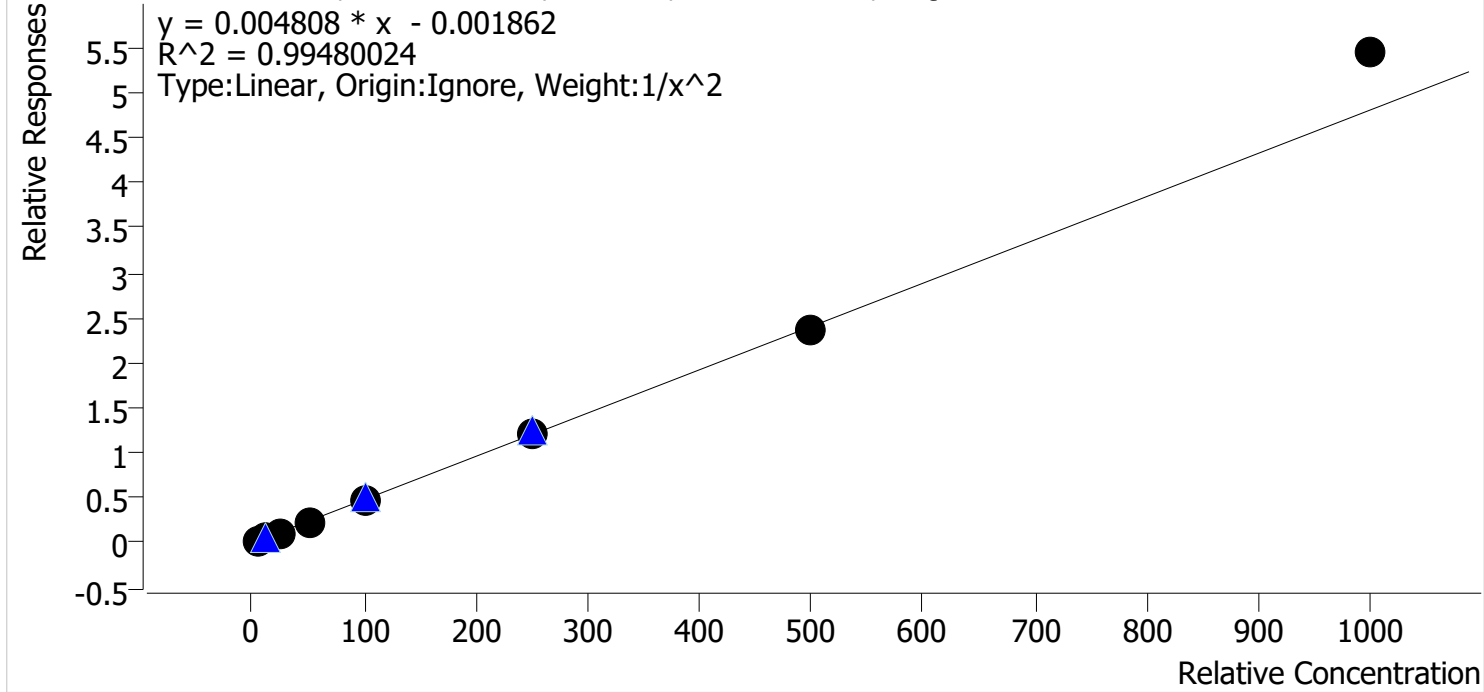
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.3
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	94.2	94.2
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	495.3	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1132.7	113.3

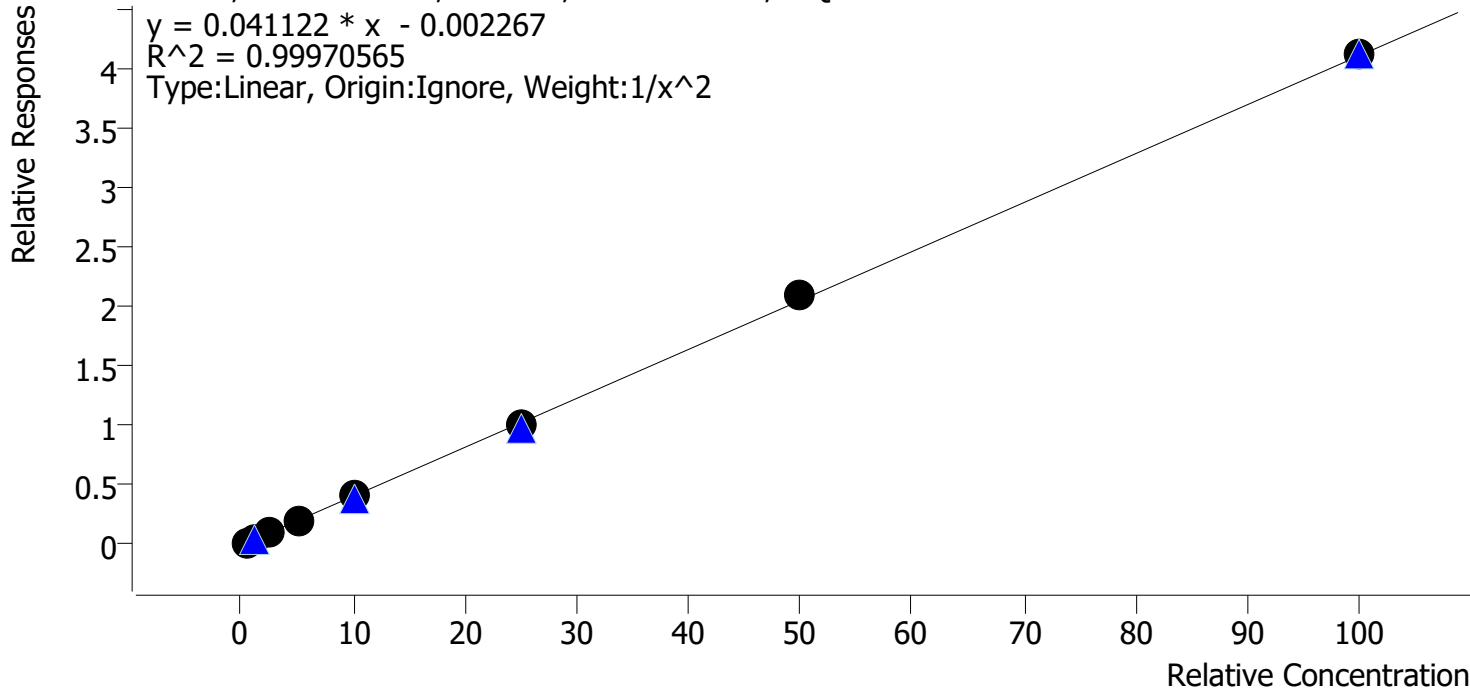
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**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	101.2
p1 Cal 2-10ng	2	✓	1.0	1.0	98.3
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.1
p1 Cal 4-50ng	4	✓	5.0	5.0	100.2
p1 Cal 5-100ng	5	✓	10.0	10.1	101.2
p1 Cal 6-250ng	6	✓	25.0	24.7	98.7
p1 Cal 7-500ng	7	✓	50.0	51.1	102.1
p1 Cal 8-1000ng	8	✓	100.0	100.2	100.2

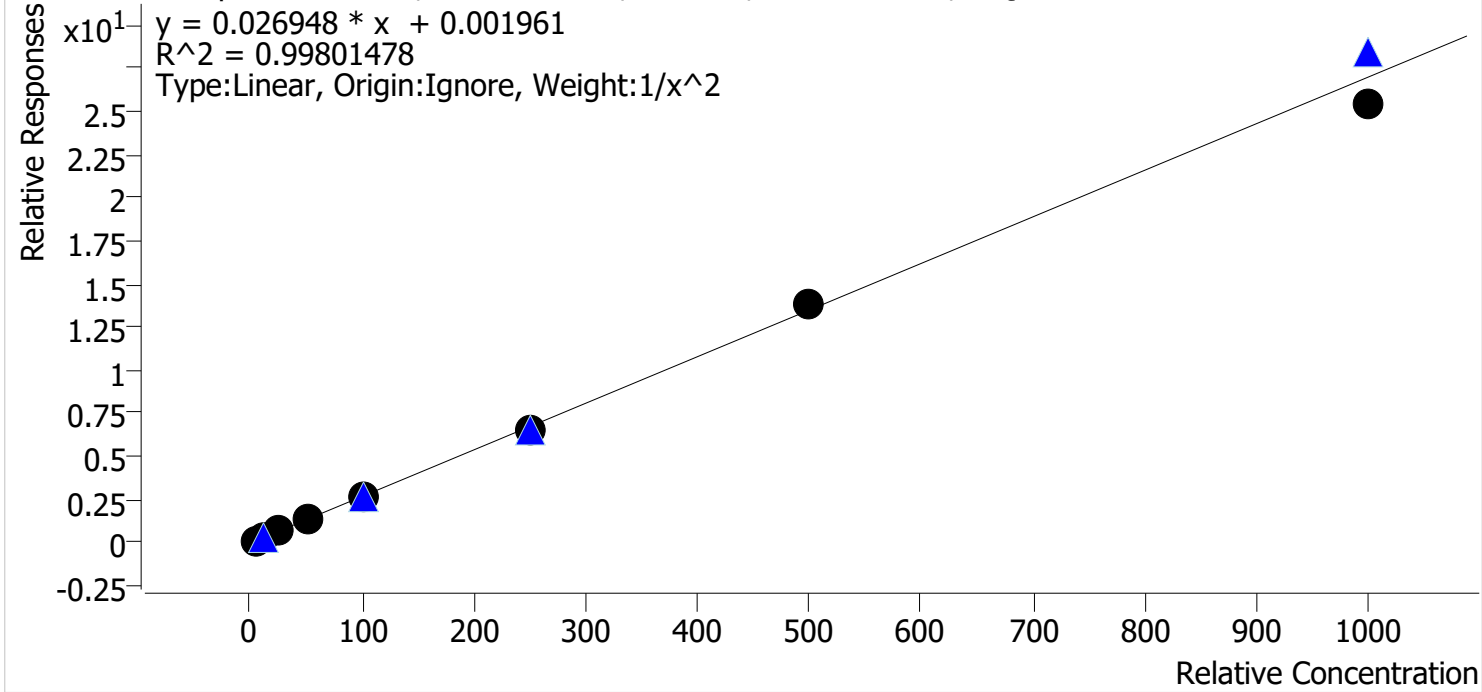
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datator  
**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	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	53.1	106.1
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	242.2	96.9
p1 Cal 7-500ng	7	✓	500.0	510.9	102.2
p1 Cal 8-1000ng	8	✓	1000.0	945.2	94.5

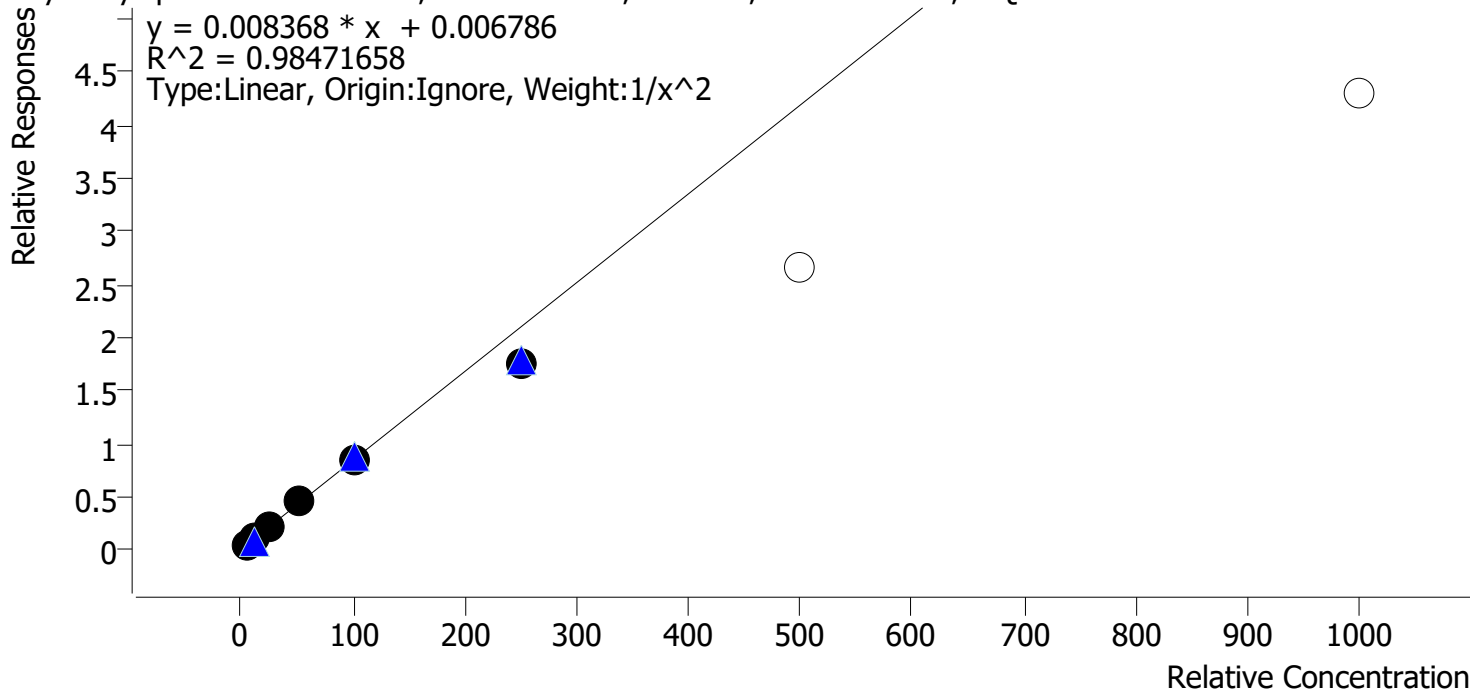
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**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	4.7	94.3
p1 Cal 2-10ng	2	✓	10.0	10.8	107.6
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.0
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	206.9	82.8
p1 Cal 7-500ng	7	x	500.0	318.4	63.7
p1 Cal 8-1000ng	8	x	1000.0	512.9	51.3

Calibrator 7 and 8 dropped due to not meeting accuracy requirement



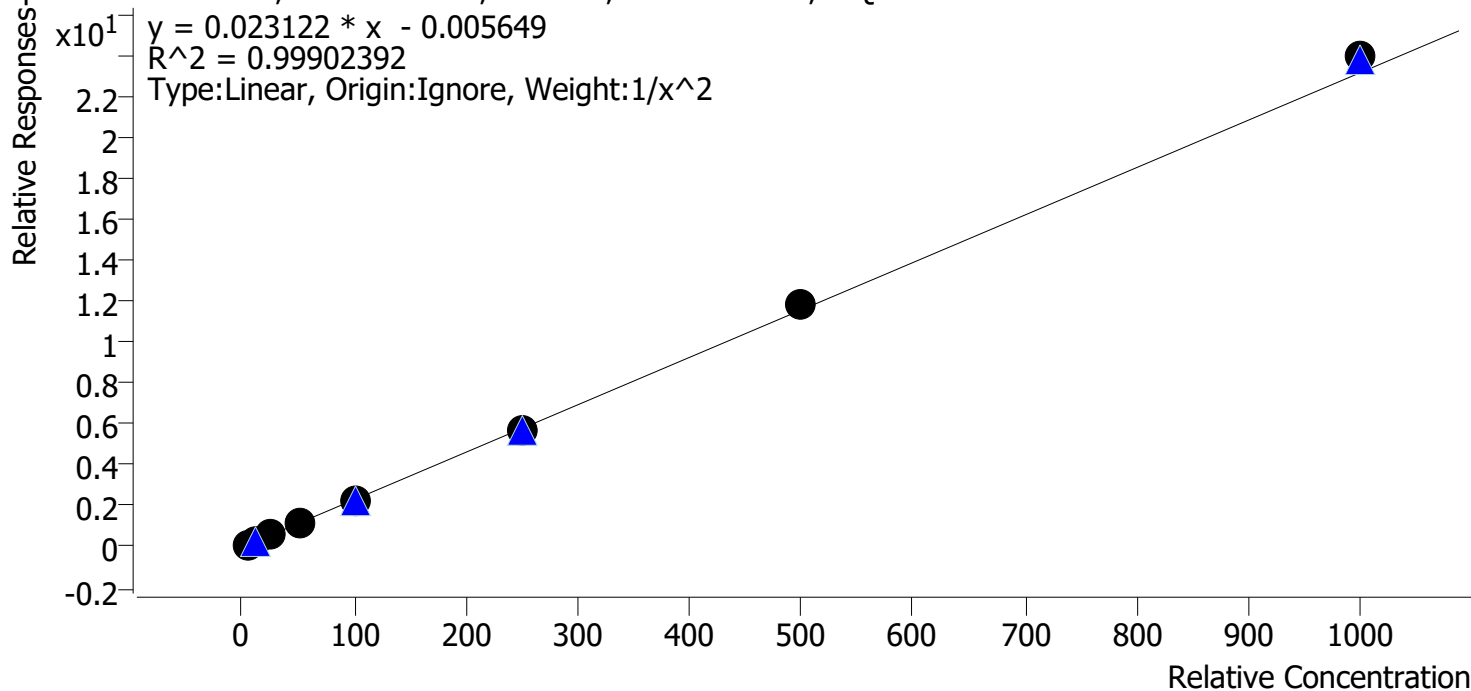
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	508.4	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1034.0	103.4

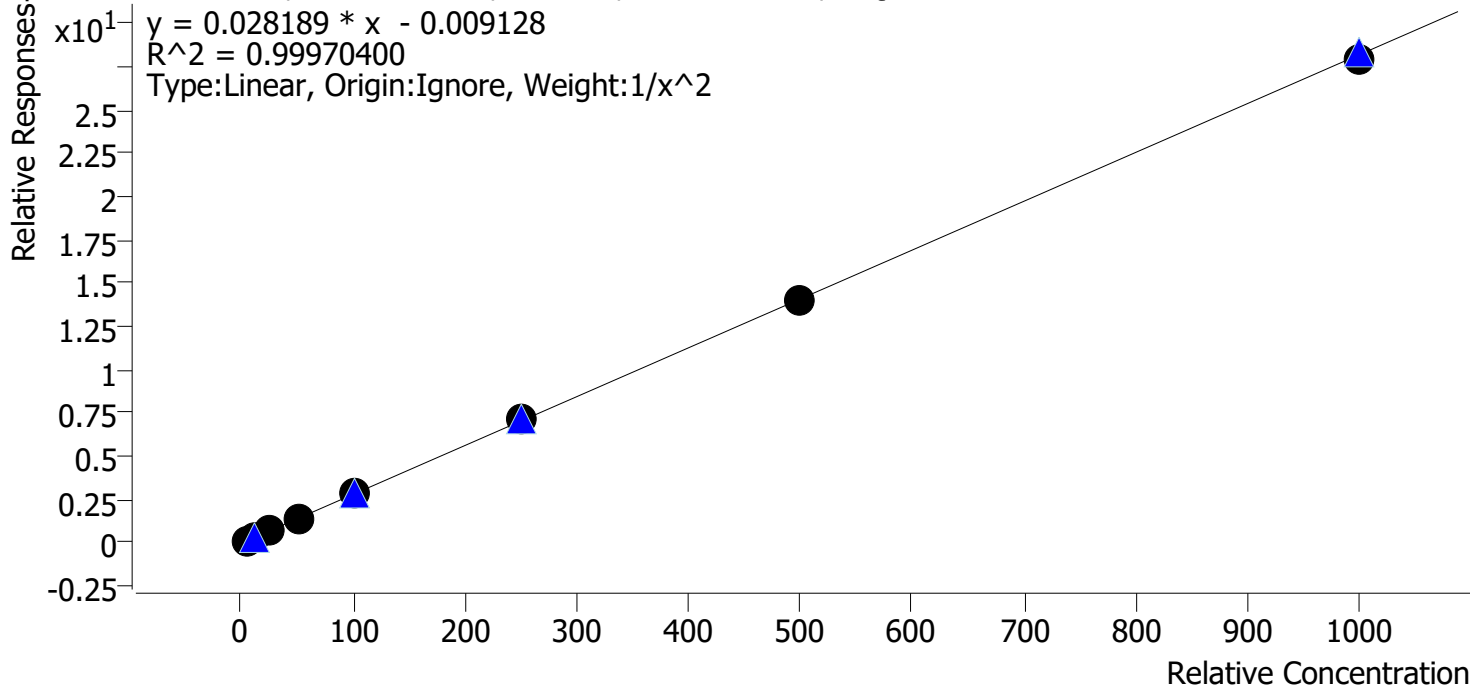
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**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	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	51.2	102.5
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	987.9	98.8

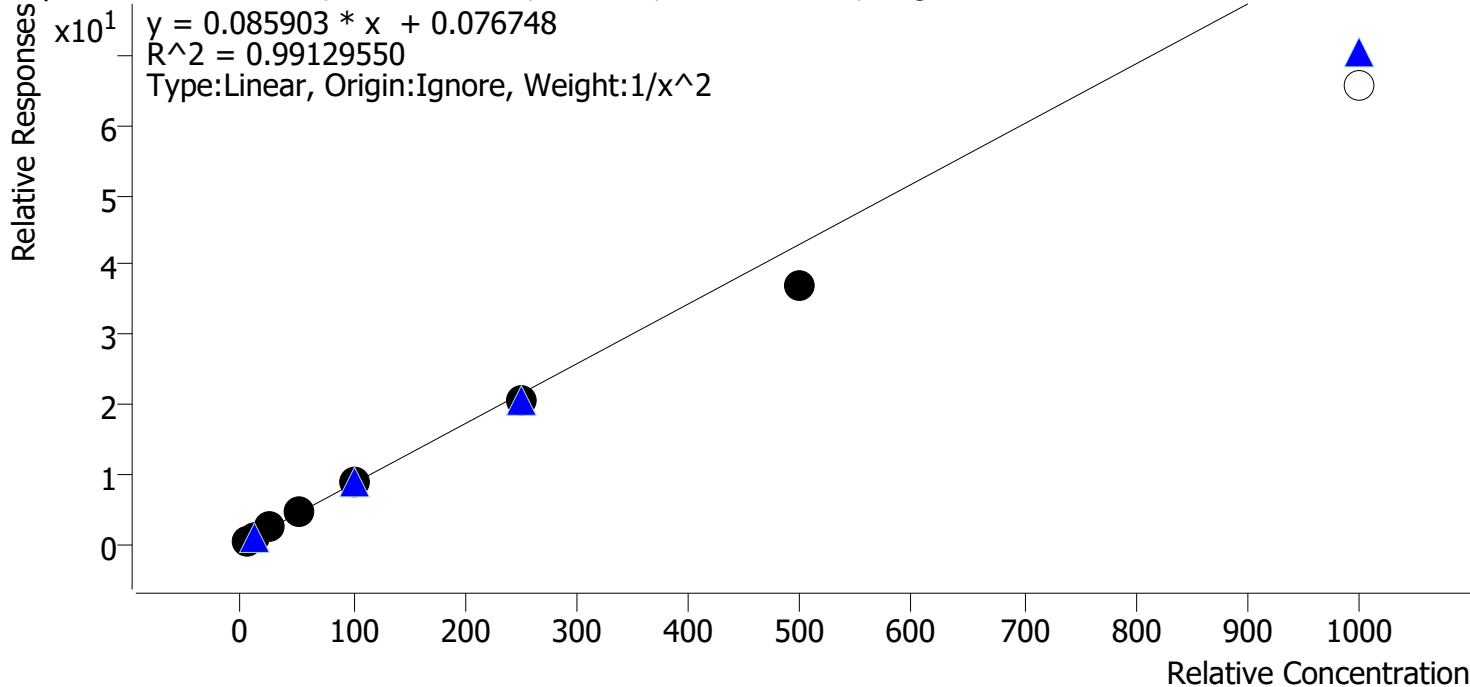
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	55.4	110.7
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	238.1	95.3
p1 Cal 7-500ng	7	✓	500.0	431.2	86.2
p1 Cal 8-1000ng	8	x	1000.0	763.0	76.3

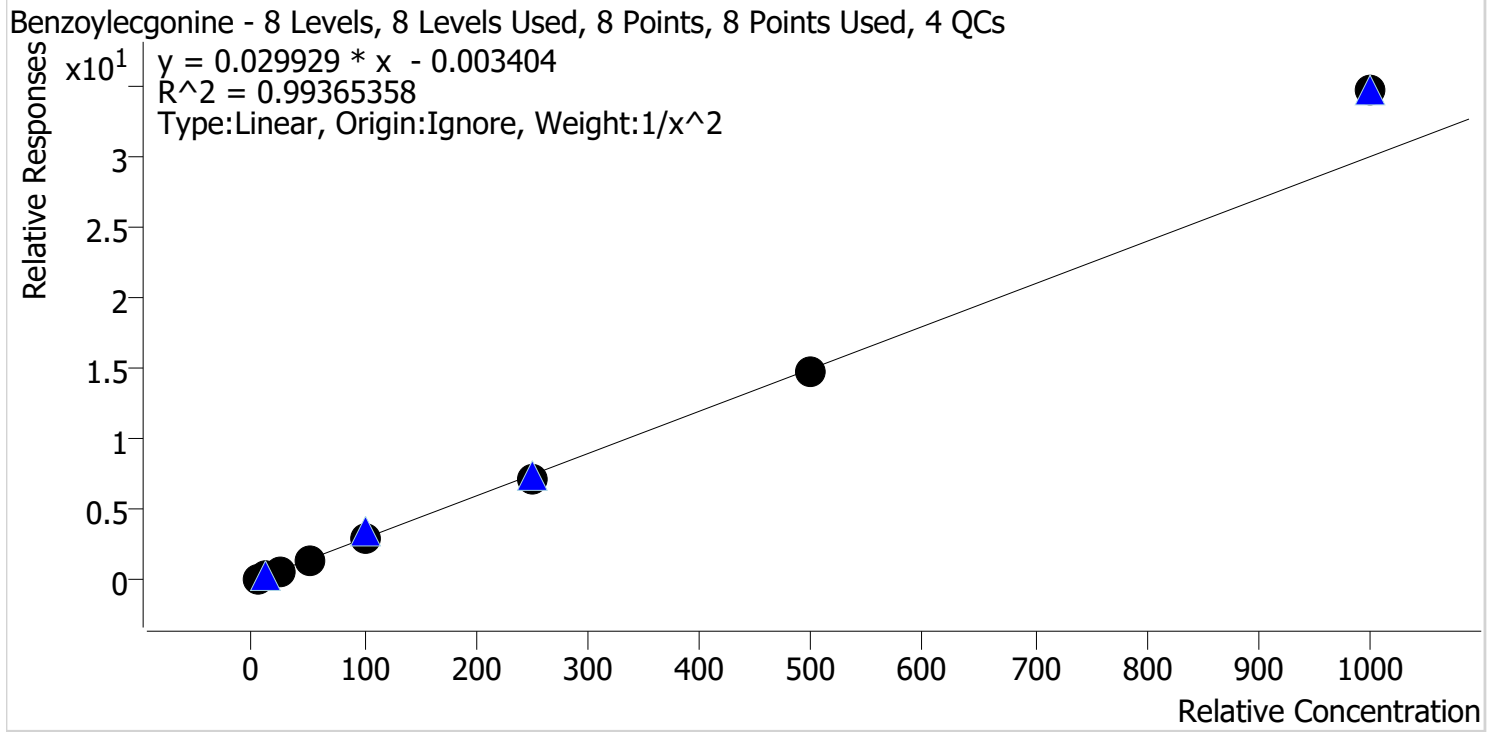
Calibrator 8 dropped due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



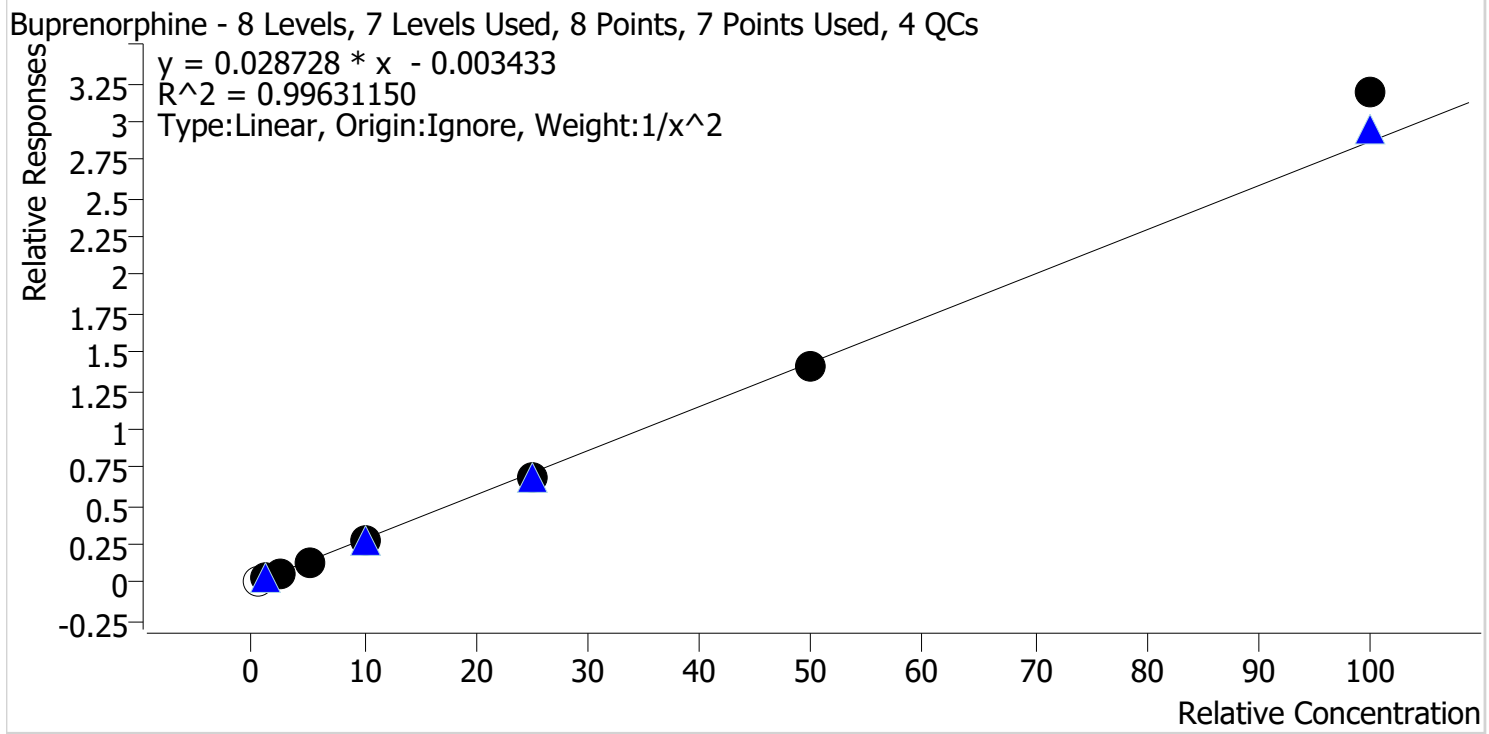
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.8
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	241.8	96.7
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1155.5	115.6

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.6	112.2
p1 Cal 2-10ng	2	✓	1.0	1.0	101.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.3
p1 Cal 4-50ng	4	✓	5.0	4.9	98.7
p1 Cal 5-100ng	5	✓	10.0	9.7	97.0
p1 Cal 6-250ng	6	✓	25.0	24.0	95.9
p1 Cal 7-500ng	7	✓	50.0	49.1	98.2
p1 Cal 8-1000ng	8	✓	100.0	111.1	111.1

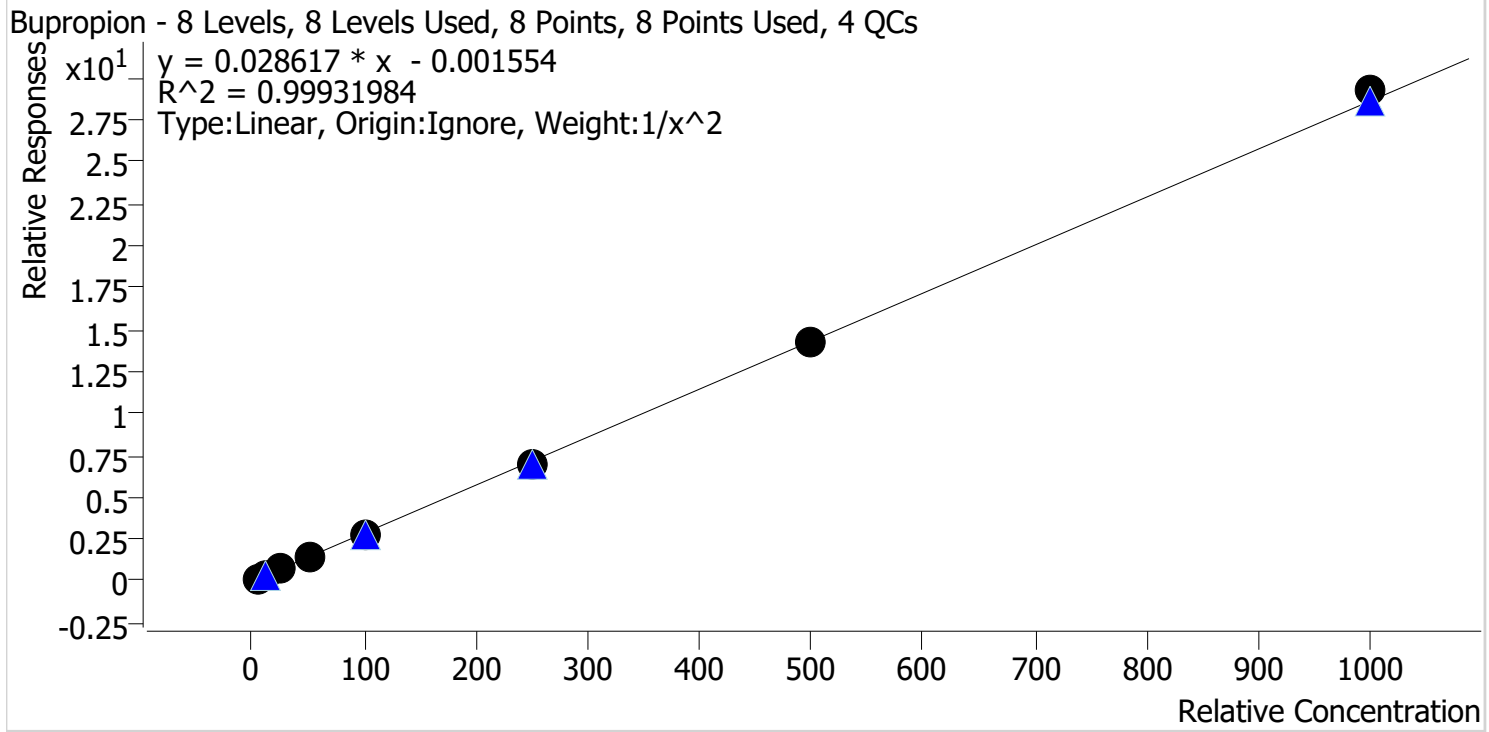
Calibrator 1 dropped due to not meeting ratio requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



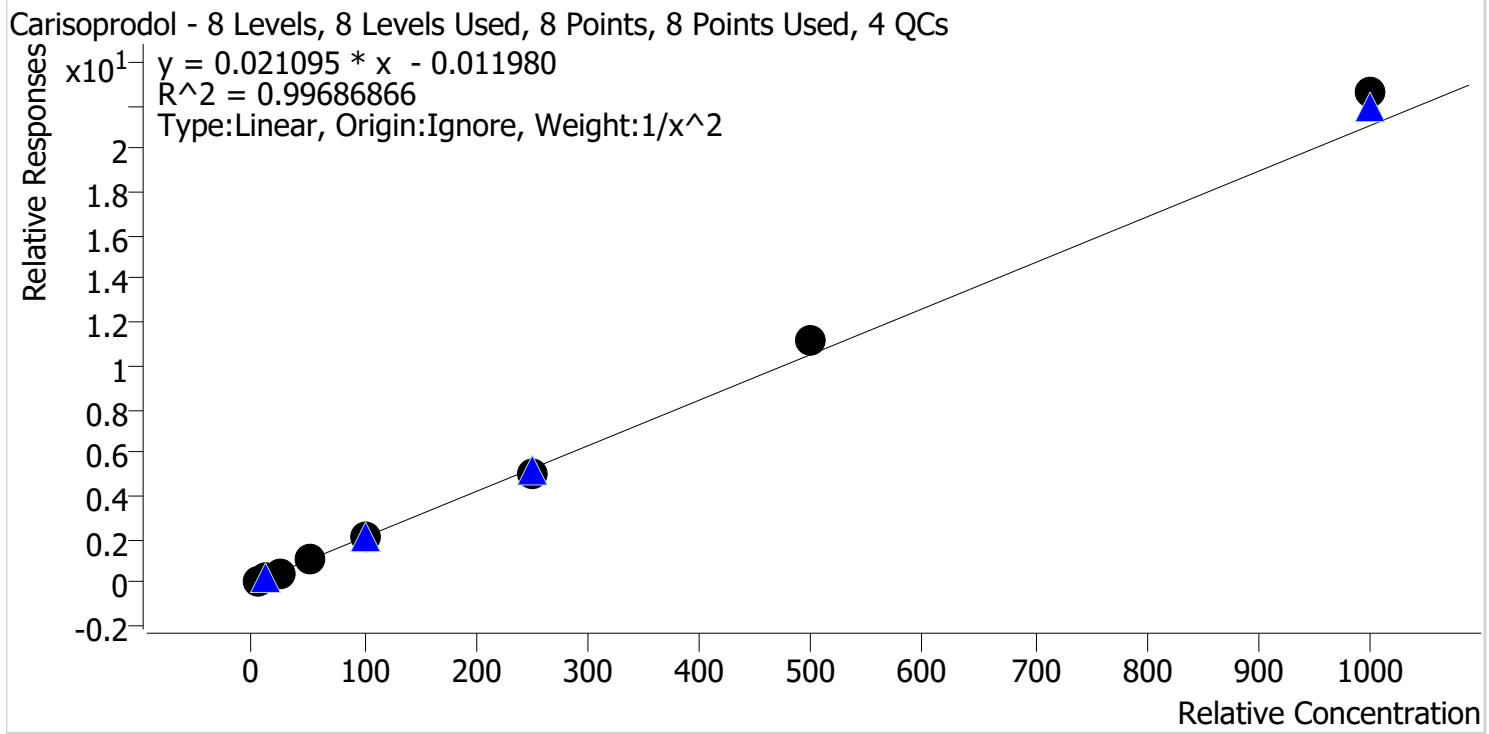
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1021.8	102.2

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.5	95.4
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.6
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	240.6	96.2
p1 Cal 7-500ng	7	✓	500.0	528.6	105.7
p1 Cal 8-1000ng	8	✓	1000.0	1072.0	107.2

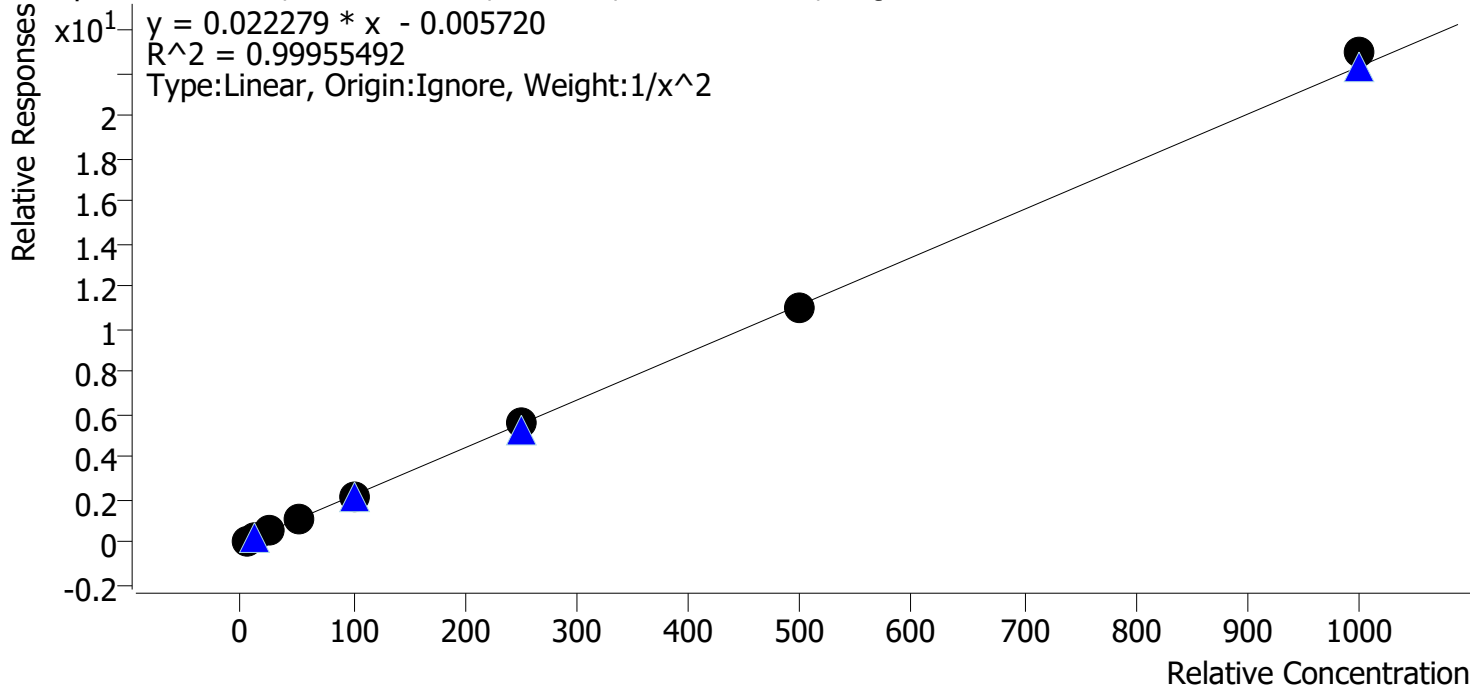
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**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	99.8
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	497.0	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1029.4	102.9

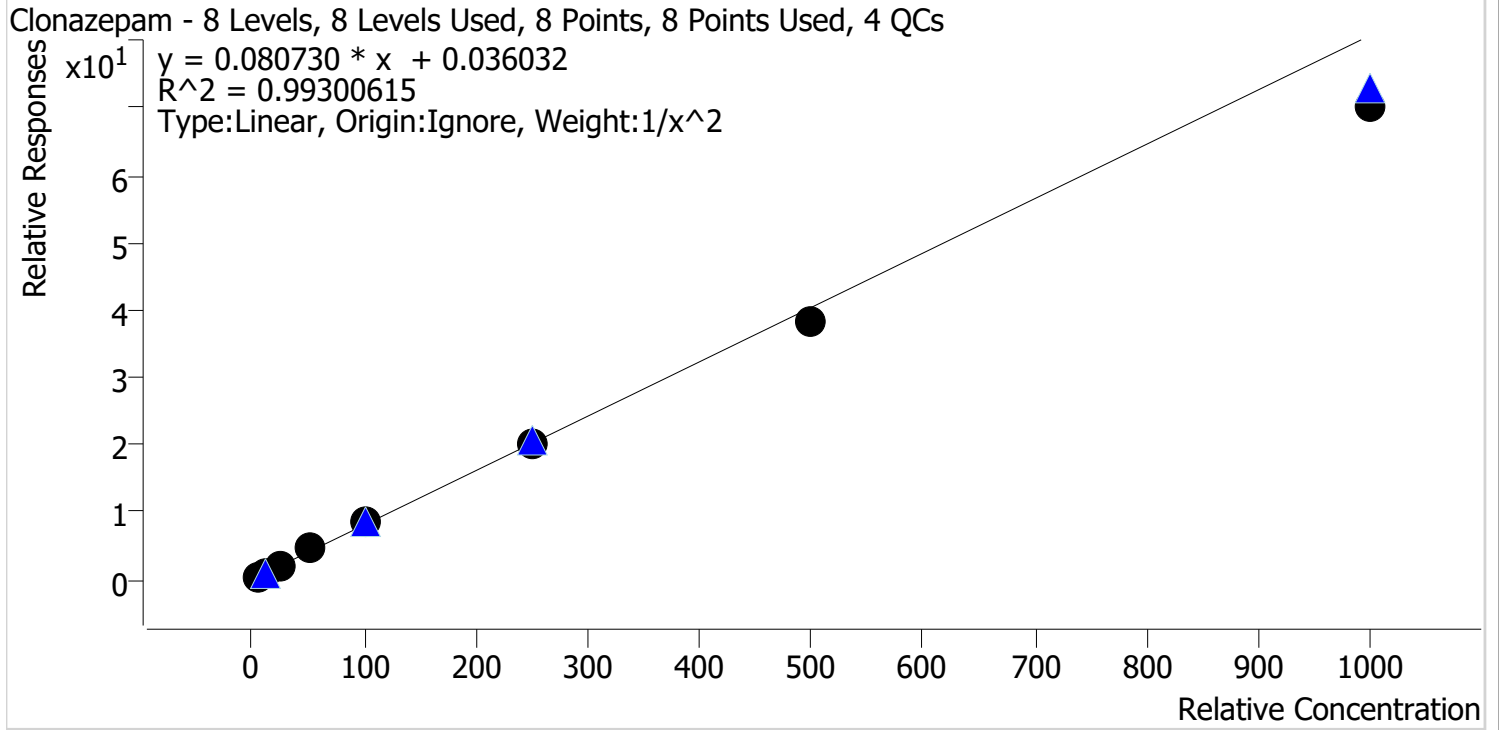


SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	55.7	111.4
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	475.3	95.1
p1 Cal 8-1000ng	8	✓	1000.0	867.1	86.7

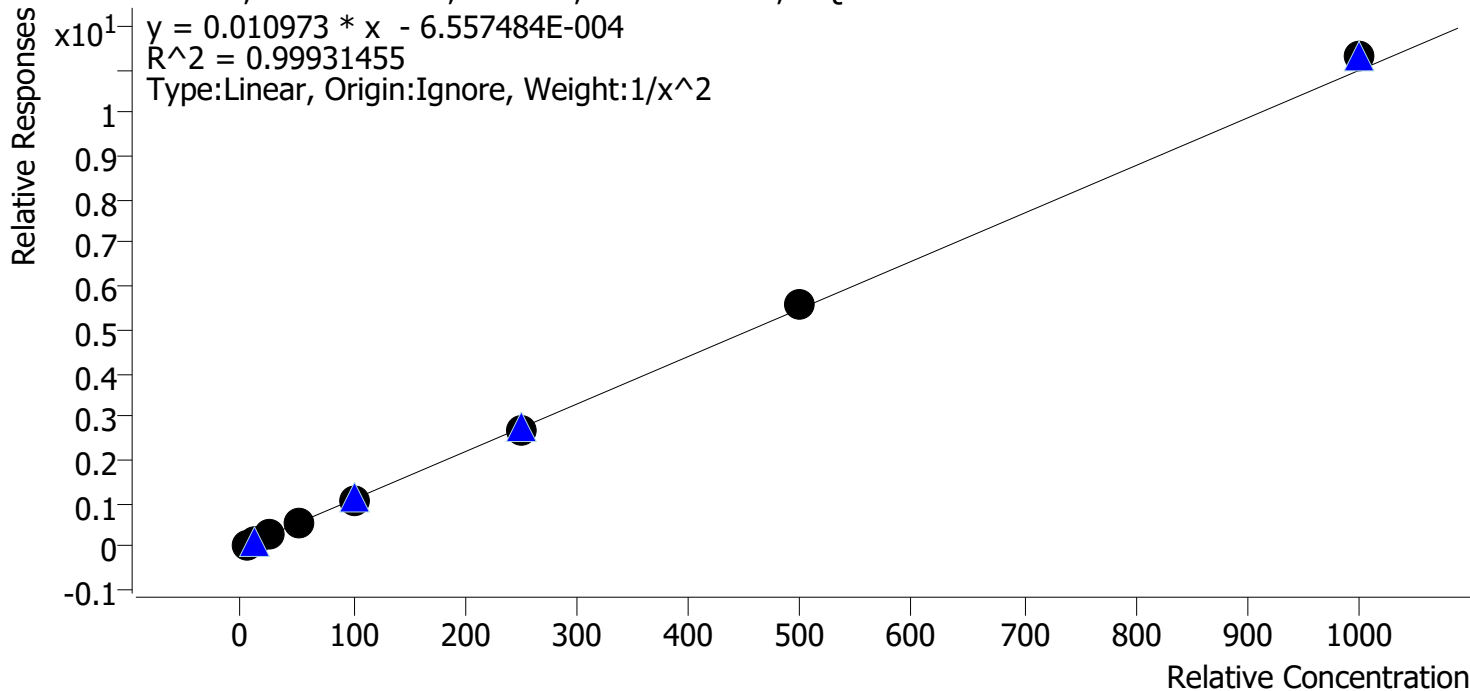
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**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	101.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	506.3	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1026.2	102.6

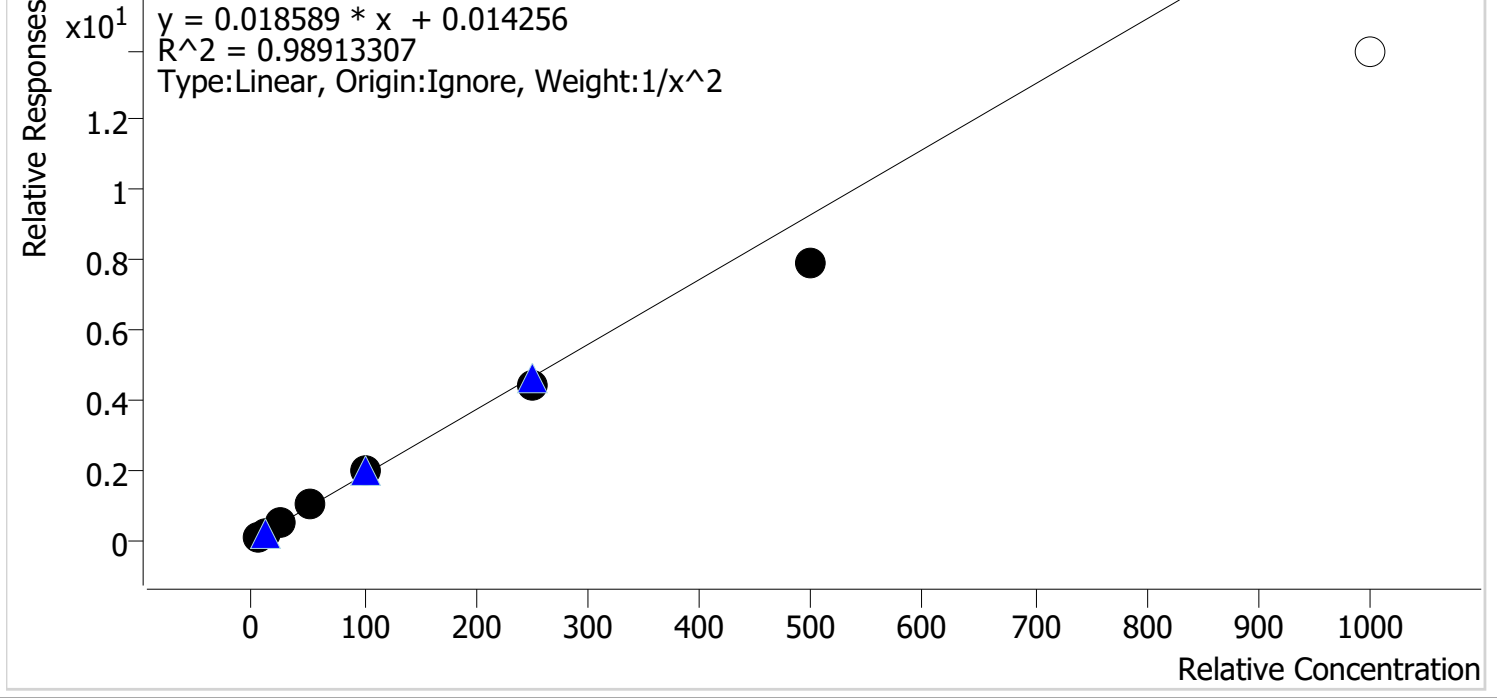


SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	26.7	107.0
p1 Cal 4-50ng	4	✓	50.0	55.5	111.0
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	236.5	94.6
p1 Cal 7-500ng	7	✓	500.0	422.9	84.6
p1 Cal 8-1000ng	8	✗	1000.0	751.2	75.1

Calibrator 8 dropped due to not meeting accuracy requirement

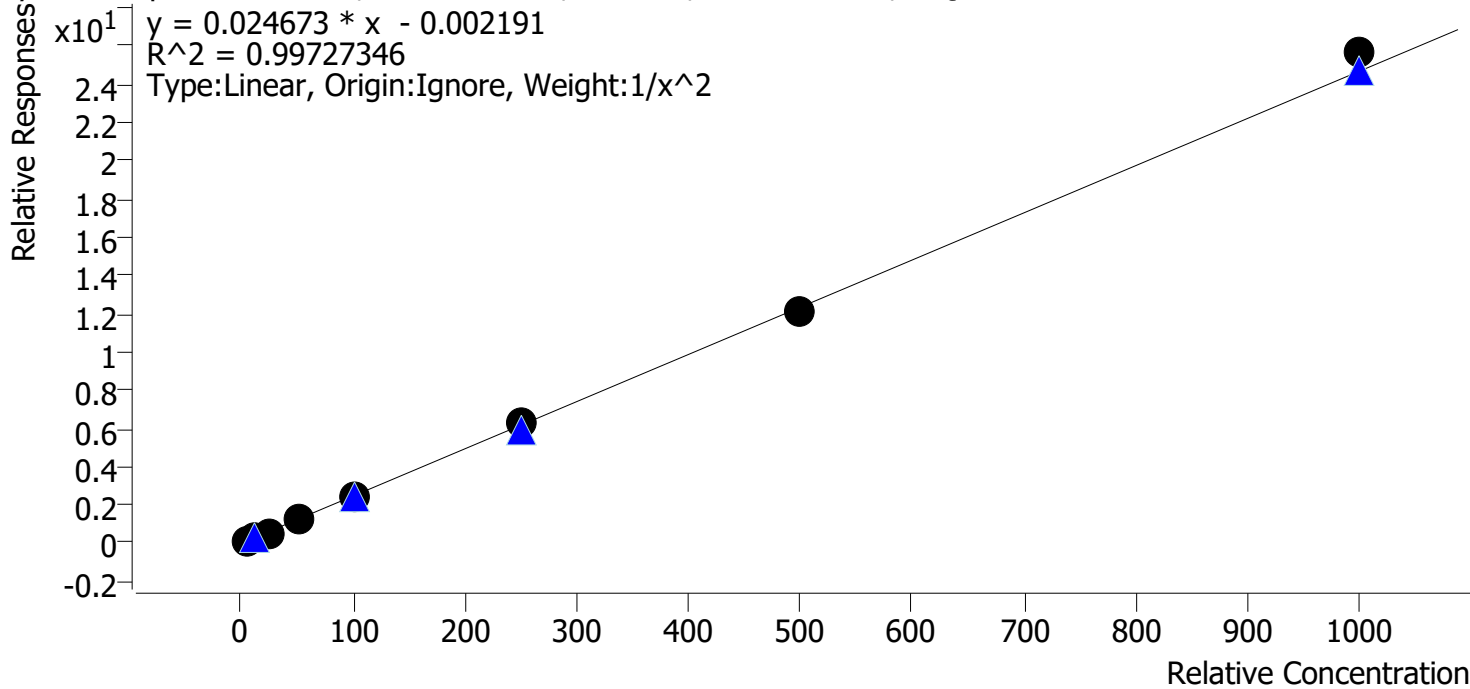
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.5	95.1
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.5
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	494.2	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1039.7	104.0

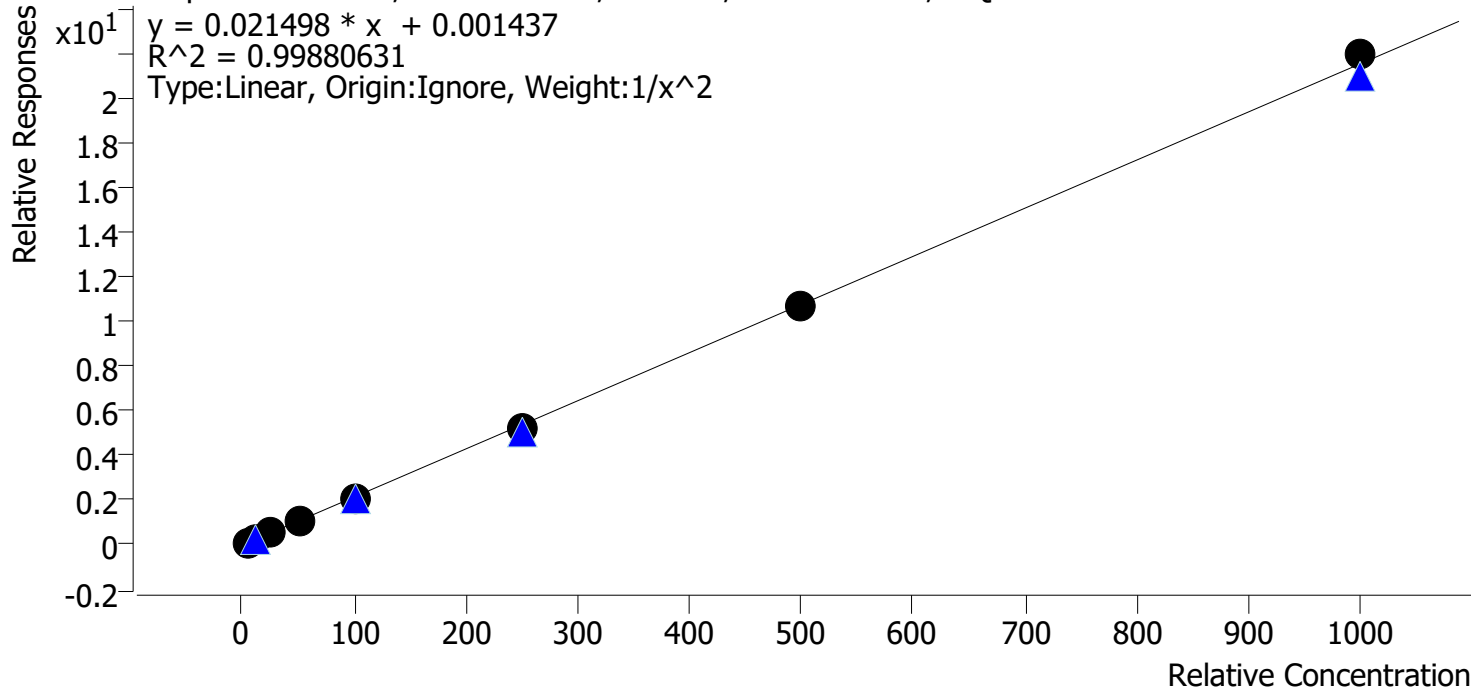
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



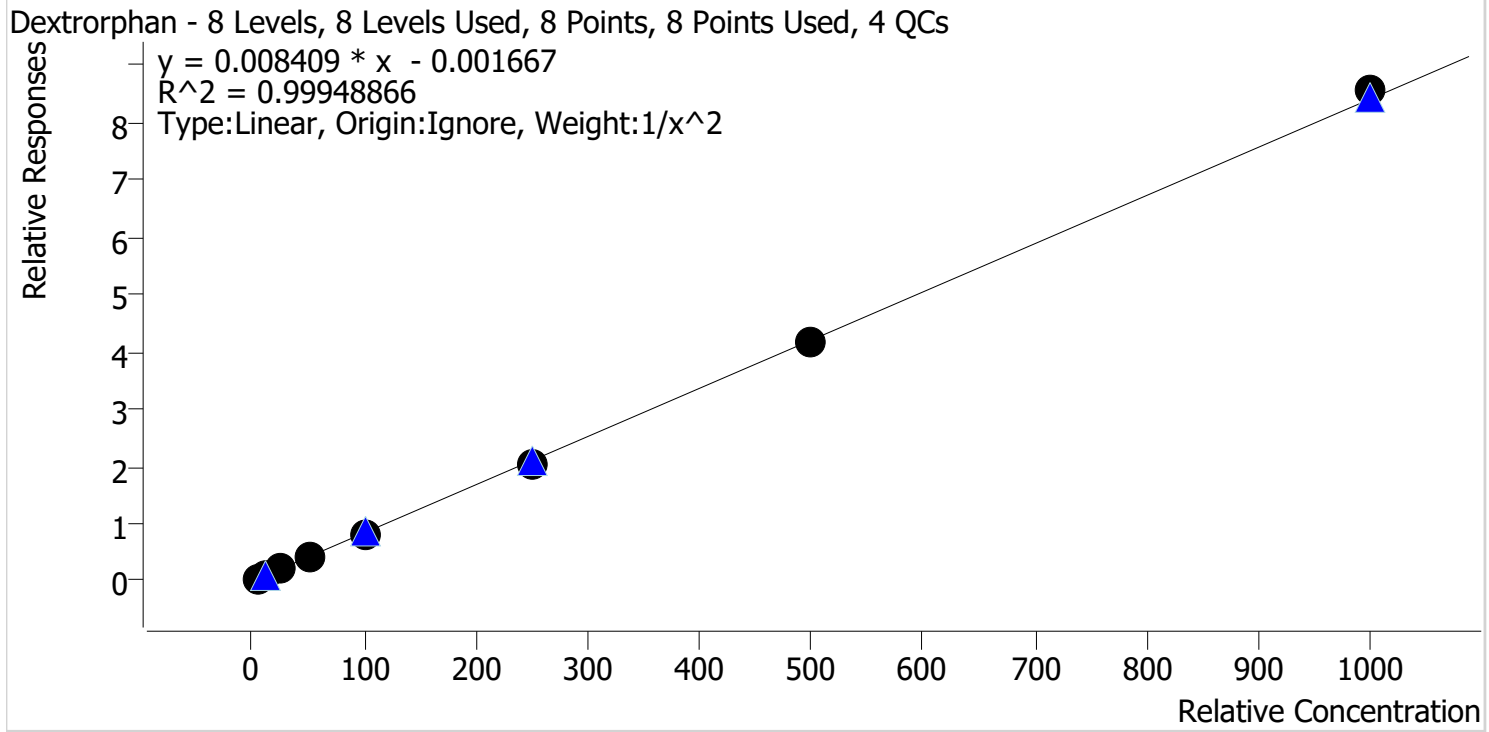
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	494.1	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1019.2	101.9

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3



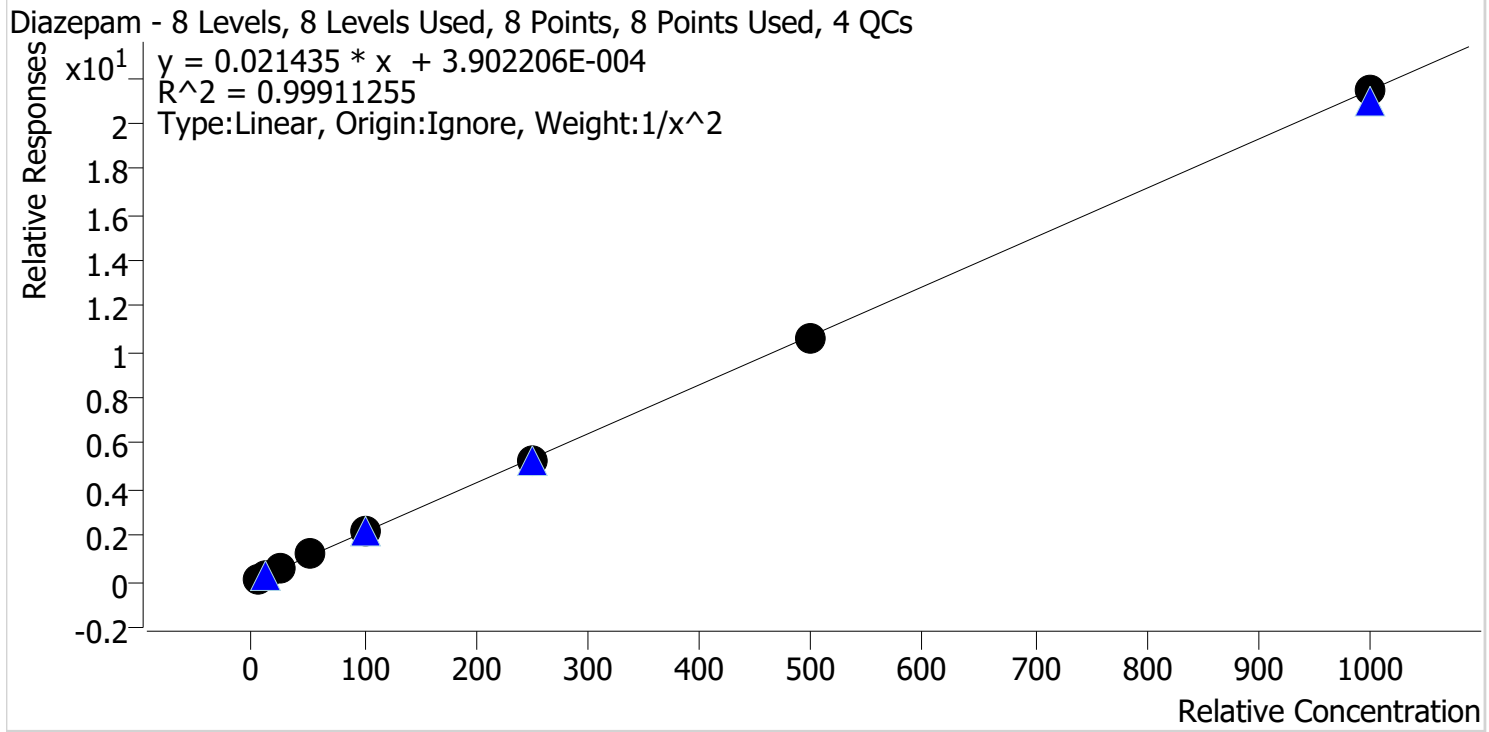
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	496.9	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1017.6	101.8

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	247.6	99.0
p1 Cal 7-500ng	7	✓	500.0	492.2	98.4
p1 Cal 8-1000ng	8	✓	1000.0	999.0	99.9

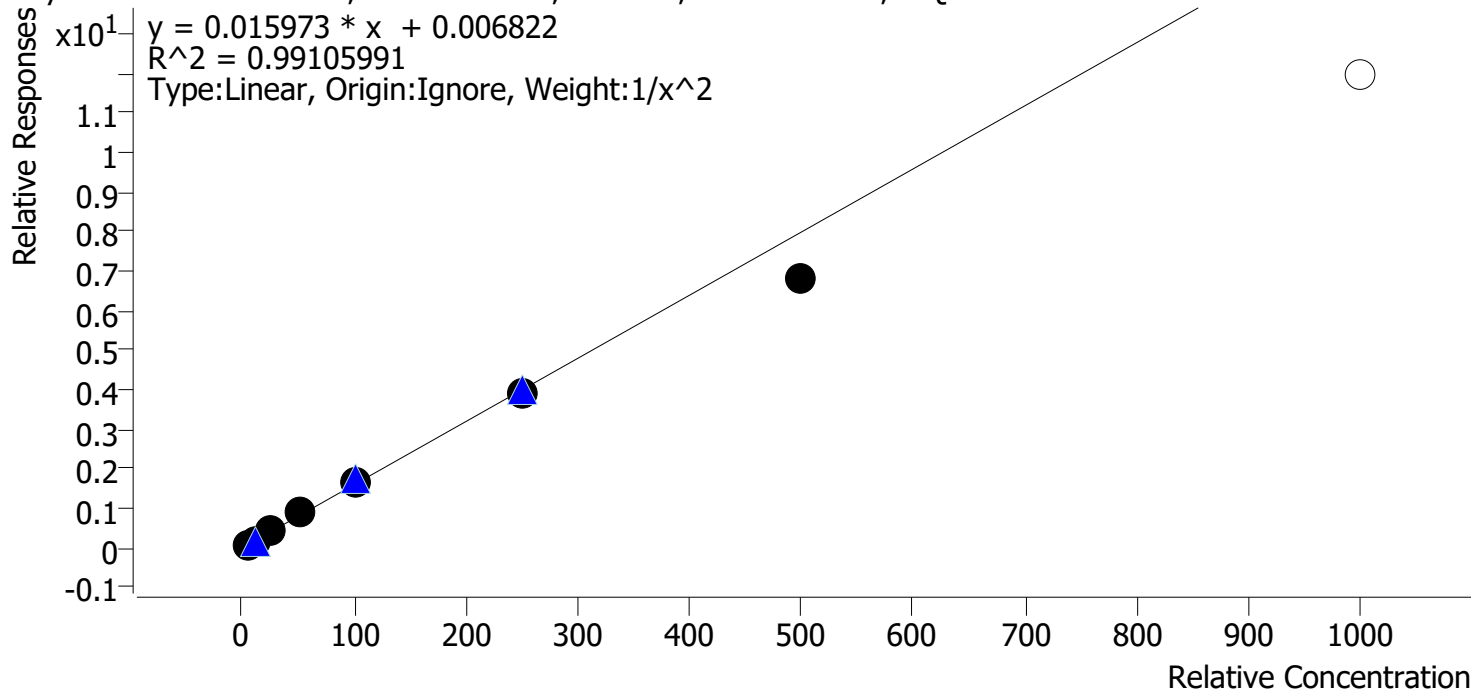
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	54.8	109.7
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	242.5	97.0
p1 Cal 7-500ng	7	✓	500.0	425.0	85.0
p1 Cal 8-1000ng	8	✗	1000.0	751.4	75.1

Calibrator 8 dropped due to not meeting accuracy requirement

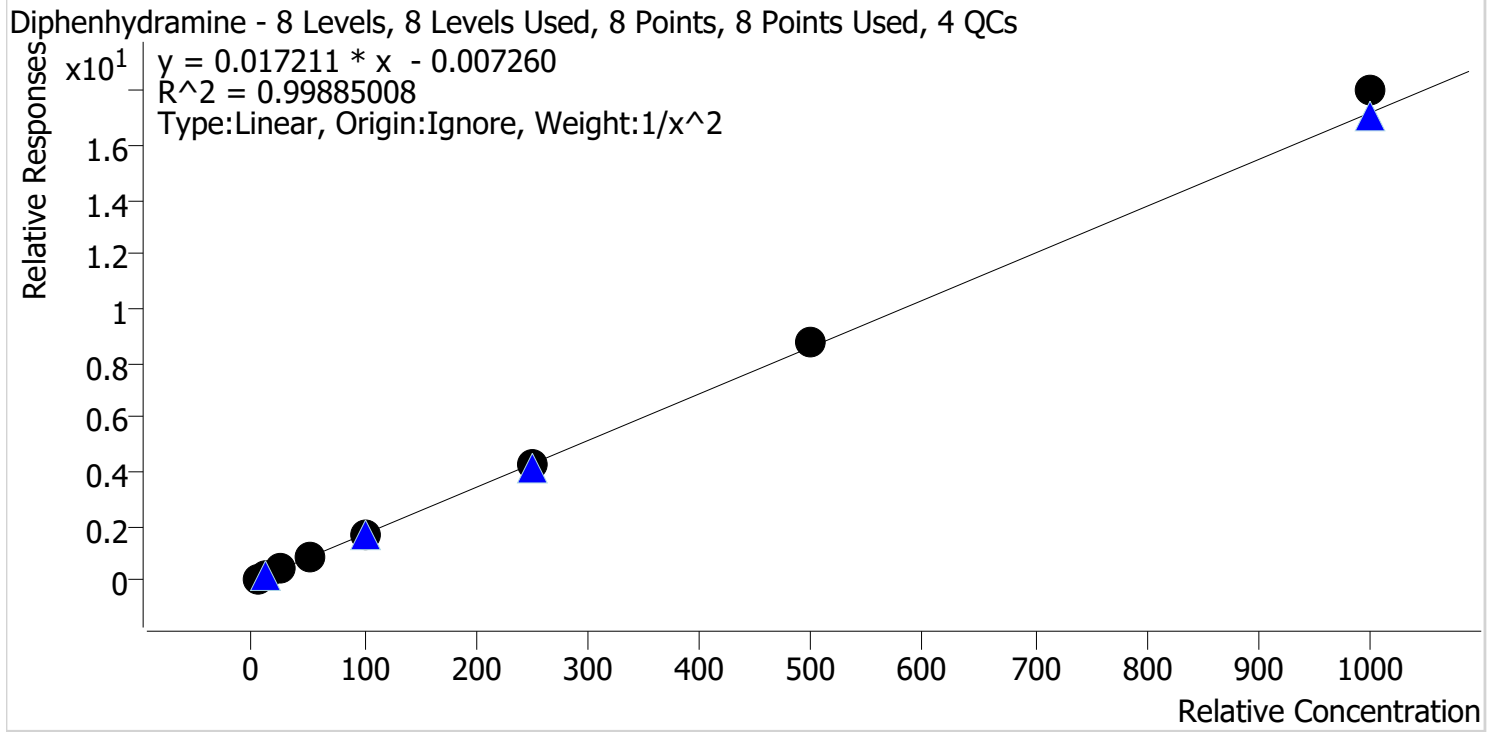


SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3



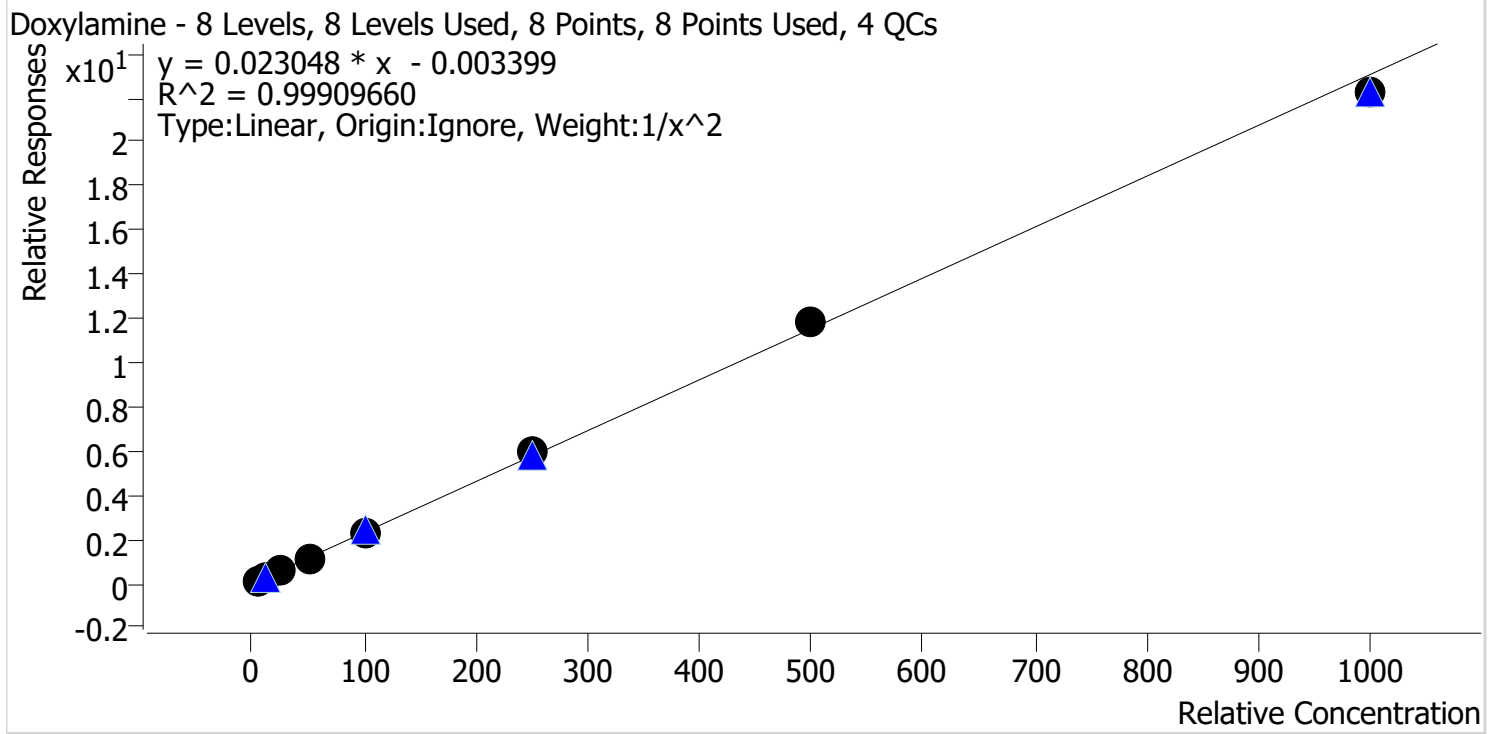
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	510.2	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1047.3	104.7

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	516.9	103.4
p1 Cal 8-1000ng	8	✓	1000.0	964.4	96.4

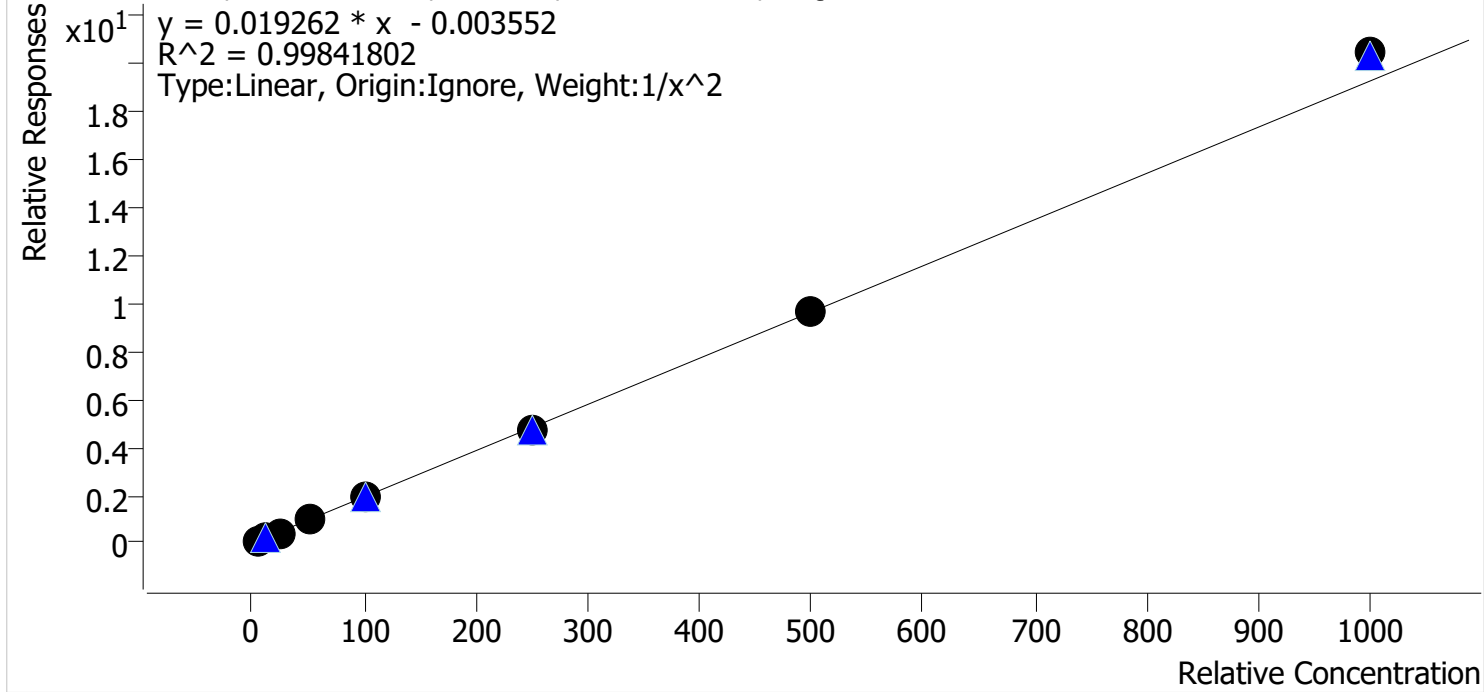
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



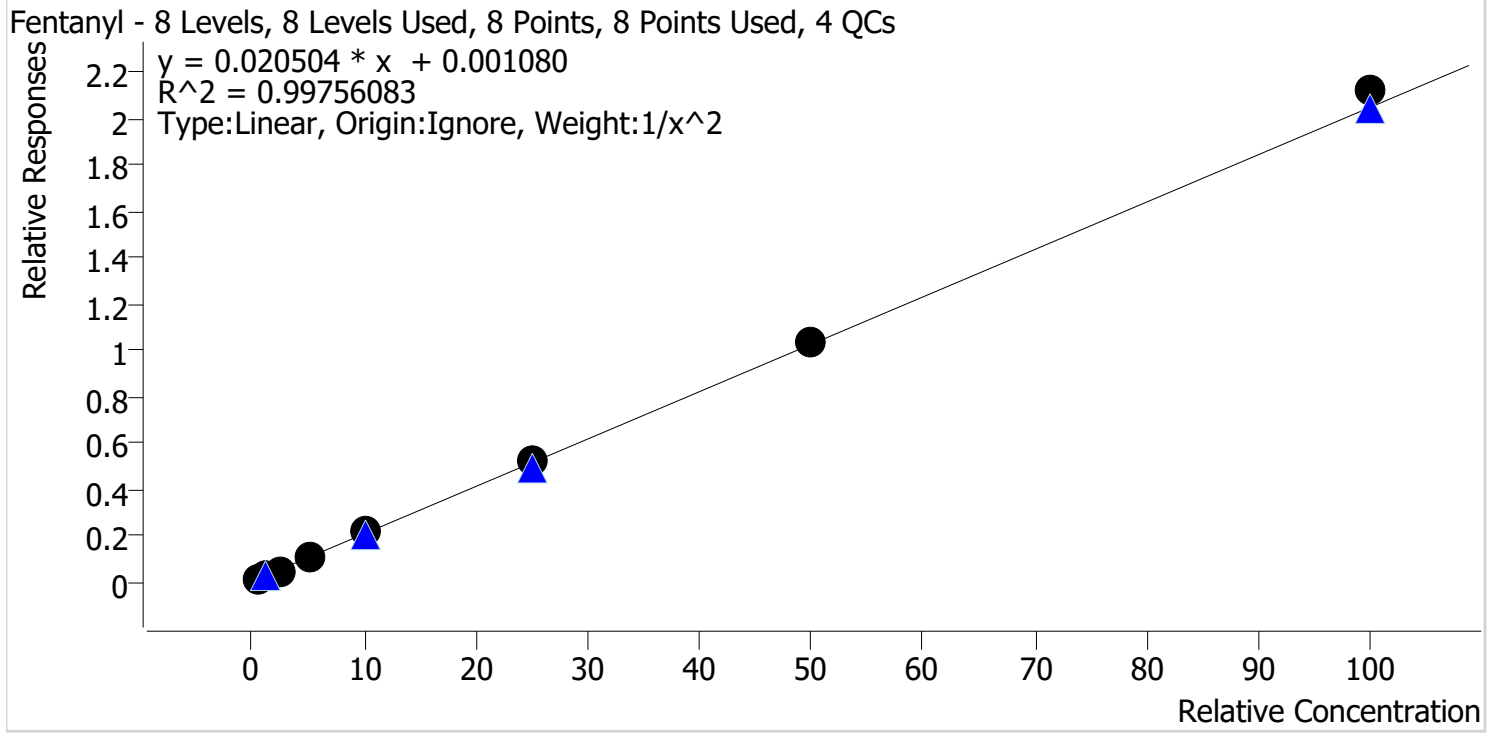
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	504.9	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1061.4	106.1

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.3
p1 Cal 2-10ng	2	✓	1.0	0.9	93.8
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.2
p1 Cal 4-50ng	4	✓	5.0	5.0	99.3
p1 Cal 5-100ng	5	✓	10.0	10.3	102.6
p1 Cal 6-250ng	6	✓	25.0	25.5	101.9
p1 Cal 7-500ng	7	✓	50.0	50.7	101.3
p1 Cal 8-1000ng	8	✓	100.0	103.5	103.5

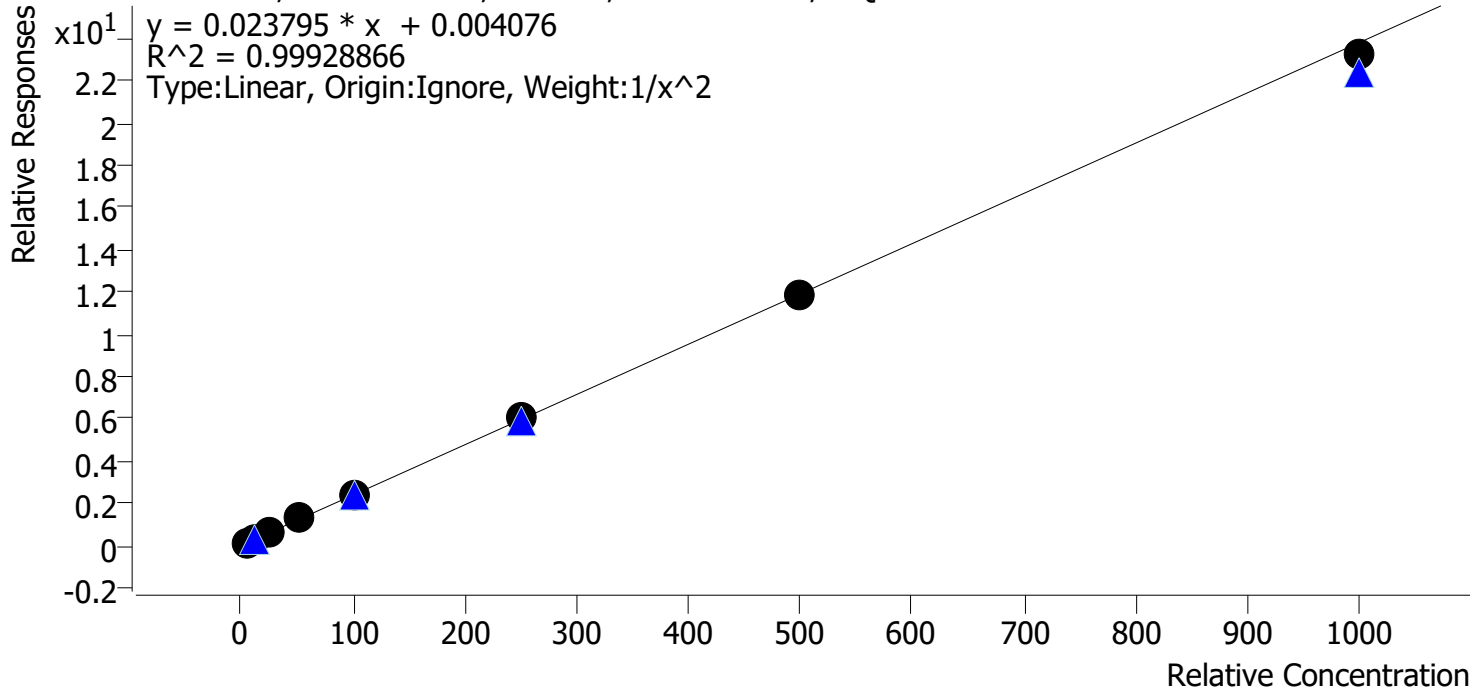
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

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



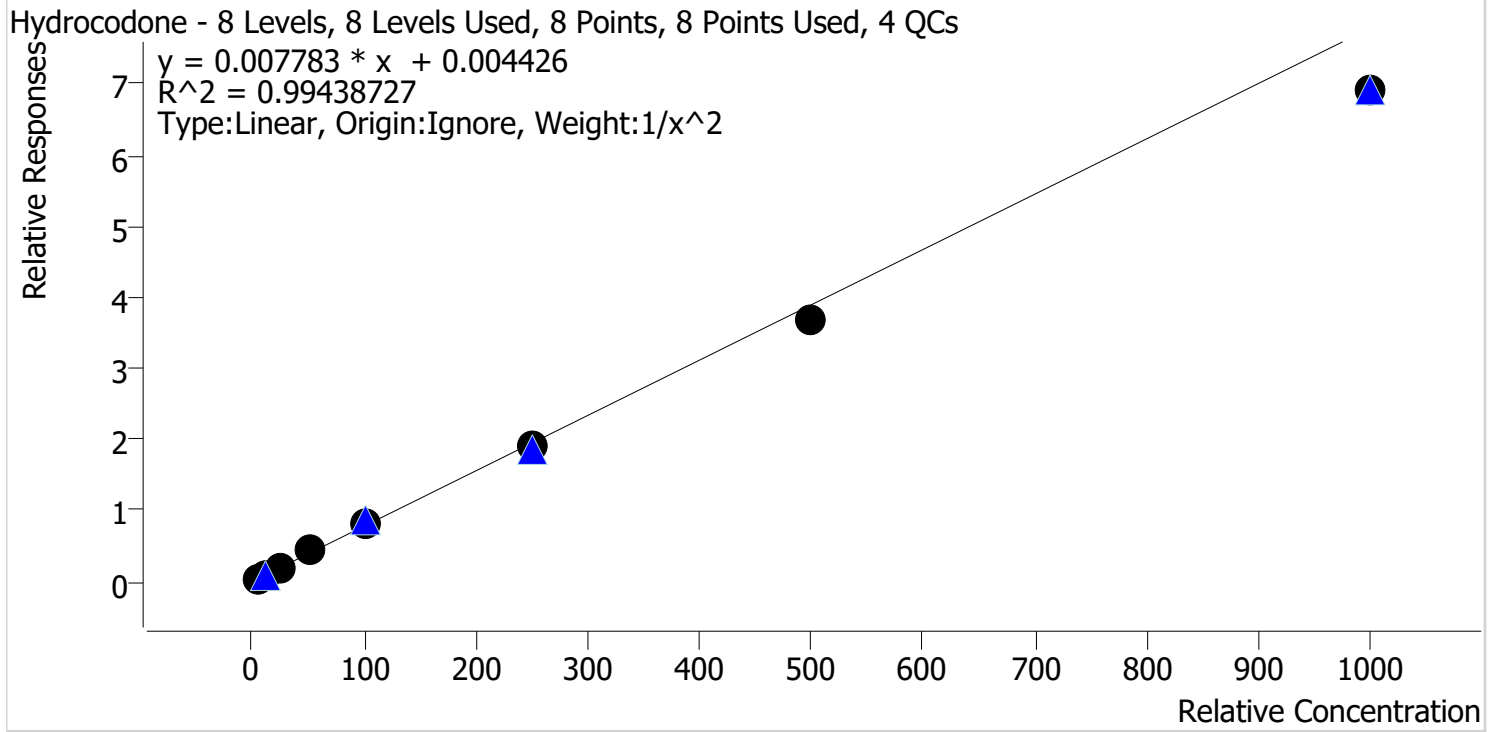
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	497.6	99.5
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\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



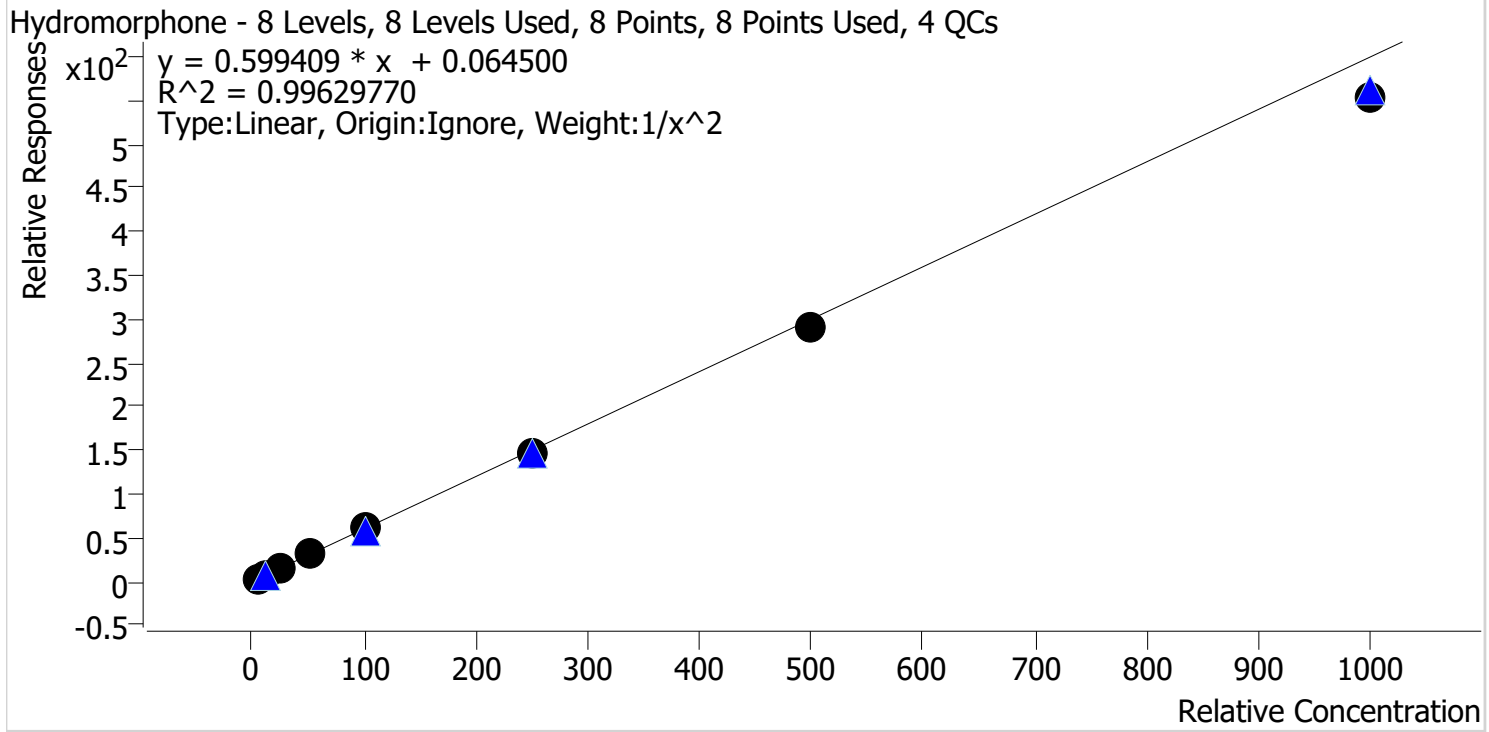
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.4
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	474.3	94.9
p1 Cal 8-1000ng	8	✓	1000.0	885.3	88.5

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydromorphone **Internal Standard** Morphine-D6



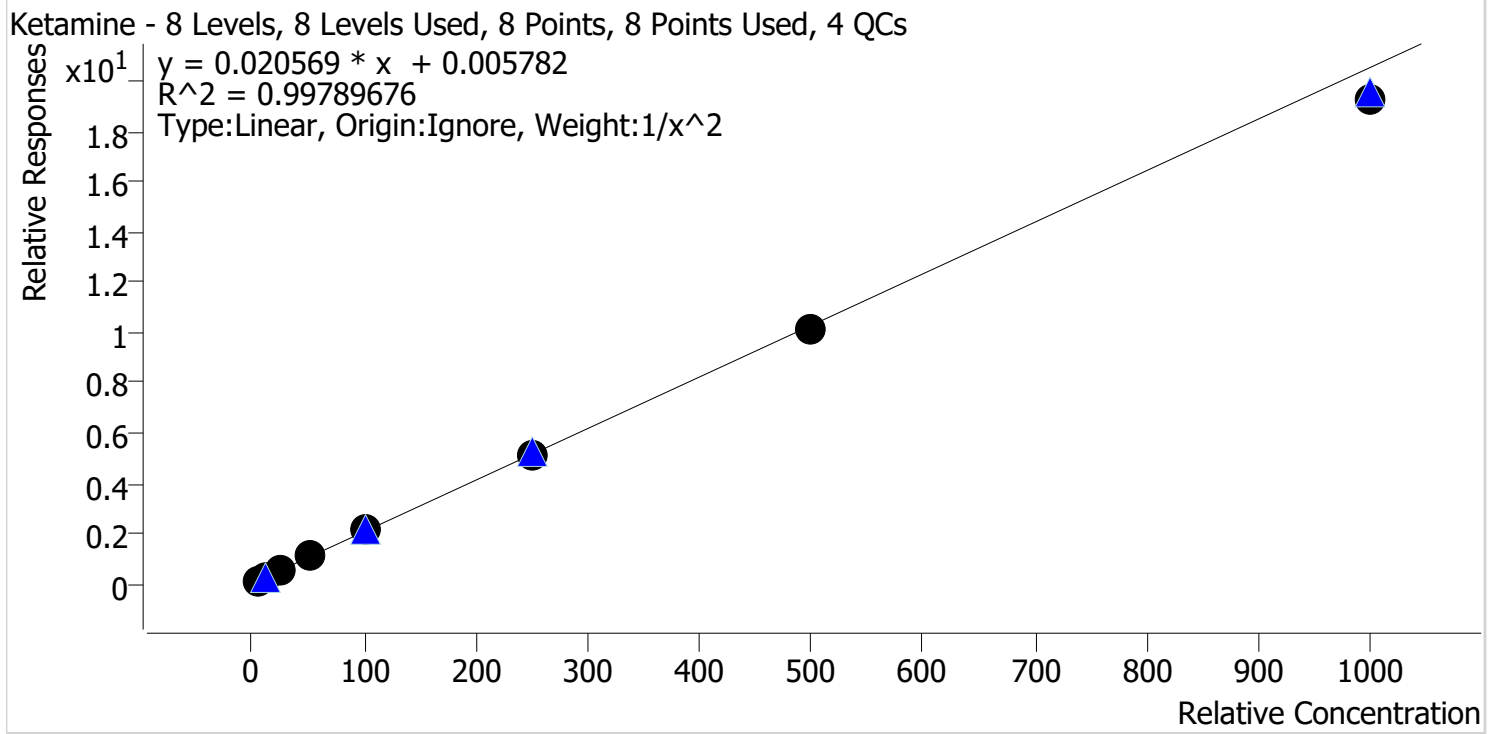
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	55.3	110.6
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	244.1	97.6
p1 Cal 7-500ng	7	✓	500.0	485.2	97.0
p1 Cal 8-1000ng	8	✓	1000.0	924.8	92.5

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	489.8	98.0
p1 Cal 8-1000ng	8	✓	1000.0	938.5	93.9

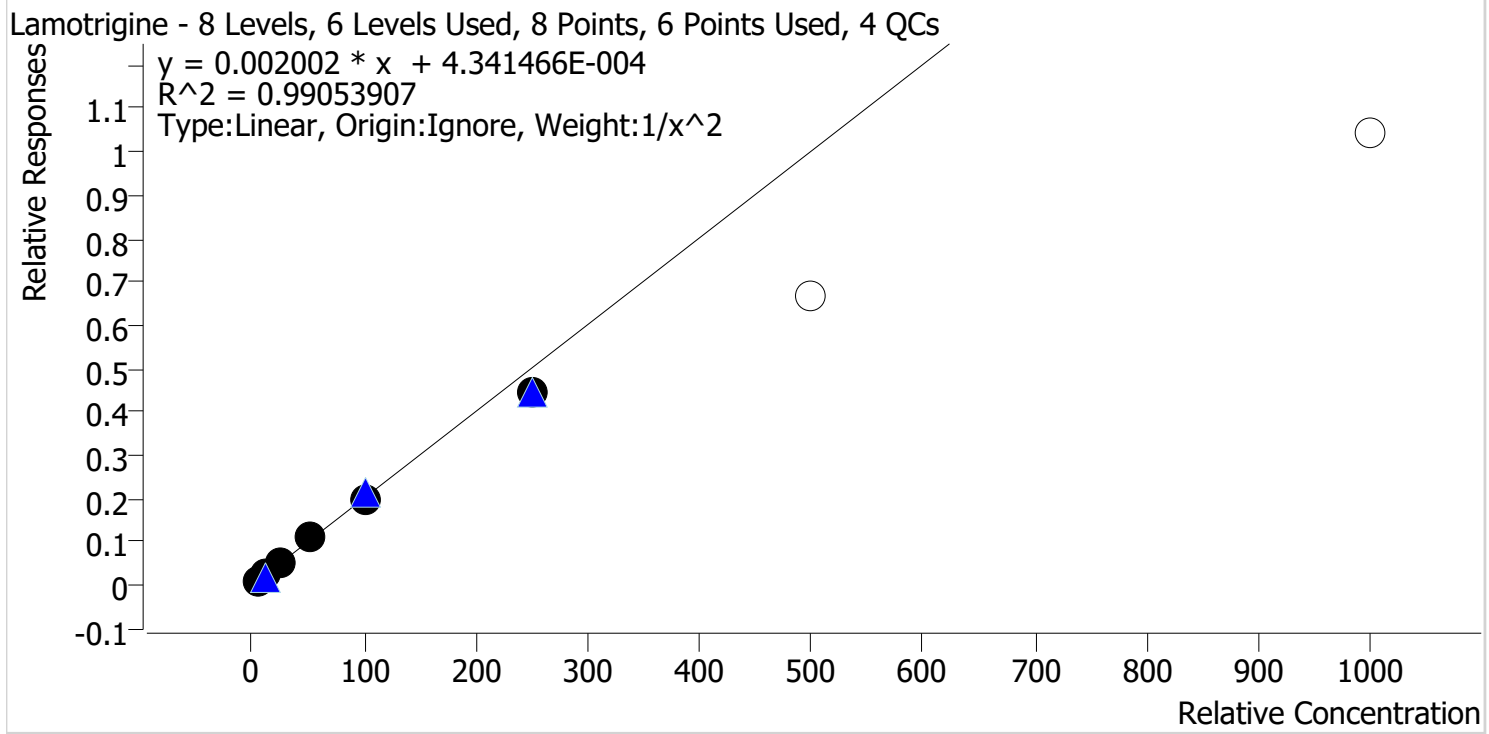


SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.7	107.3
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	220.0	88.0
p1 Cal 7-500ng	7	x	500.0	333.4	66.7
p1 Cal 8-1000ng	8	x	1000.0	519.8	52.0

Calibrator 7 and 8 dropped due to not meeting accuracy requirement

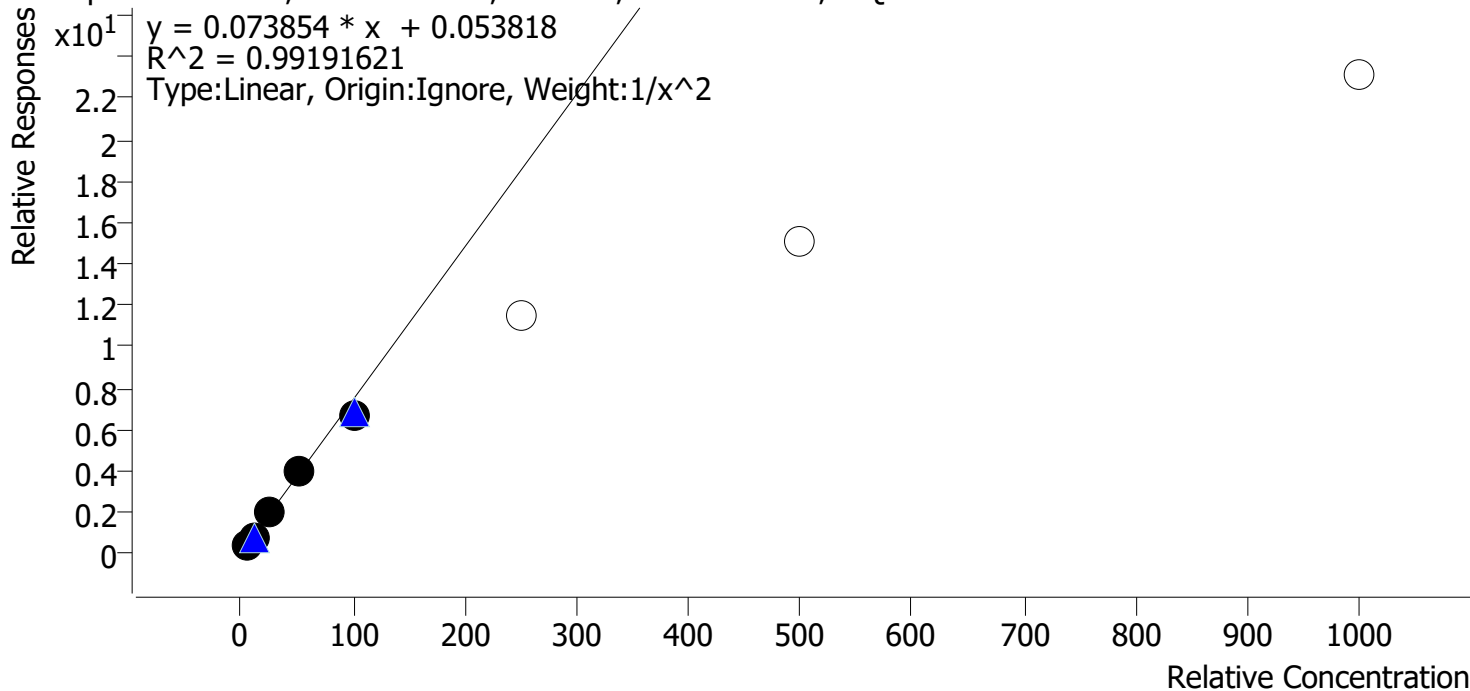
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	53.3	106.7
p1 Cal 5-100ng	5	✓	100.0	89.1	89.1
p1 Cal 6-250ng	6	✗	250.0	155.3	62.1
p1 Cal 7-500ng	7	✗	500.0	203.8	40.8
p1 Cal 8-1000ng	8	✗	1000.0	313.1	31.3

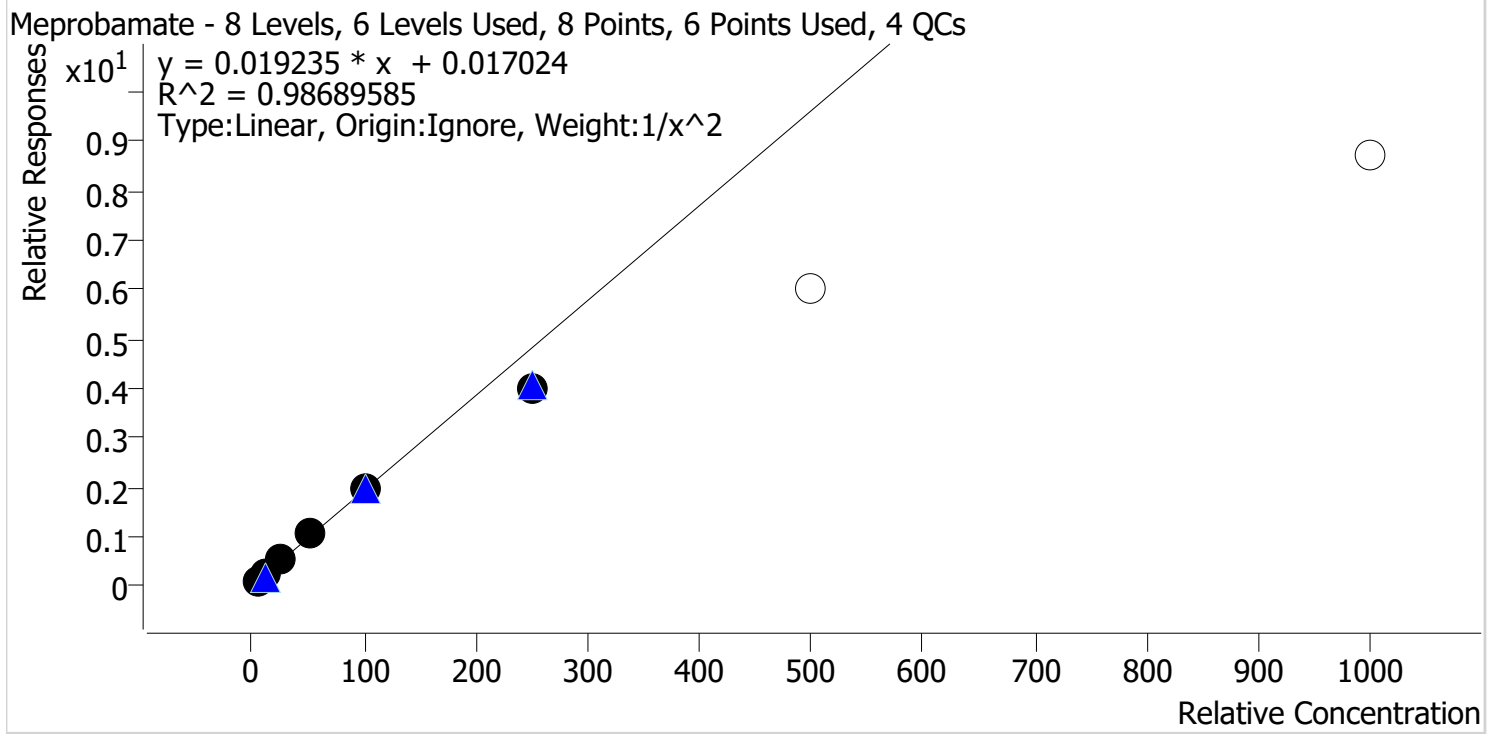
Calibrators 6-8 dropped due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	209.0	83.6
p1 Cal 7-500ng	7	x	500.0	313.6	62.7
p1 Cal 8-1000ng	8	x	1000.0	453.3	45.3

Calibrators 7 and 8 dropped due to not meeting accuracy requirement

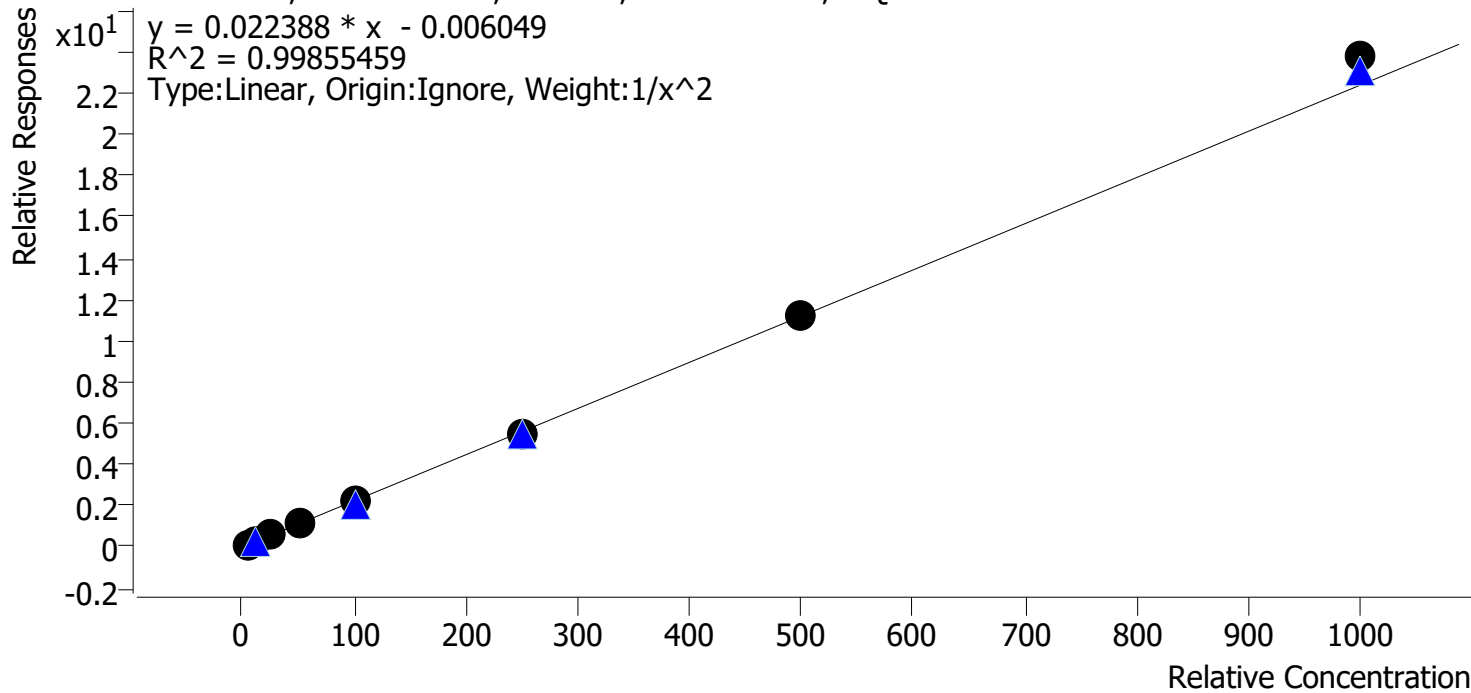
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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



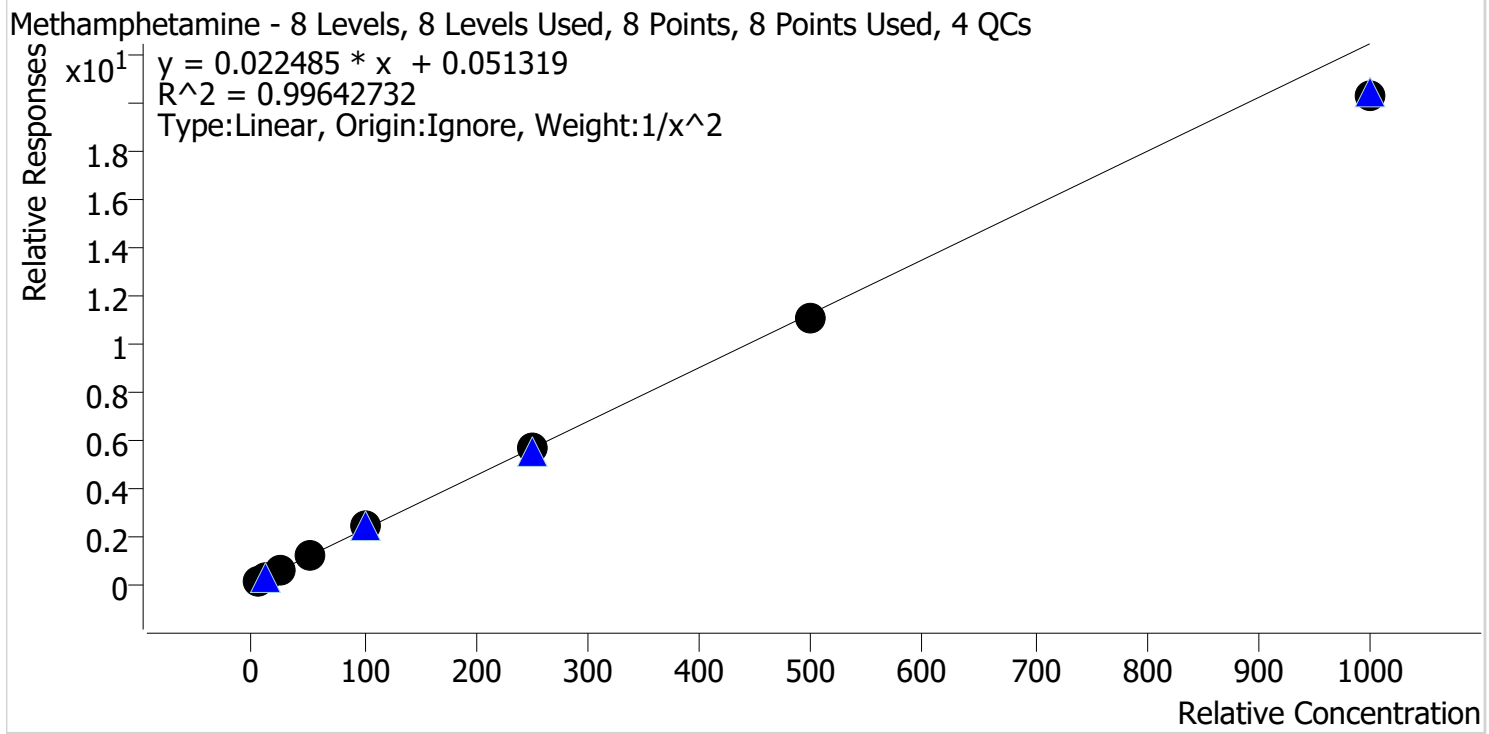
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	499.8	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1061.8	106.2

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	488.5	97.7
p1 Cal 8-1000ng	8	✓	1000.0	902.9	90.3

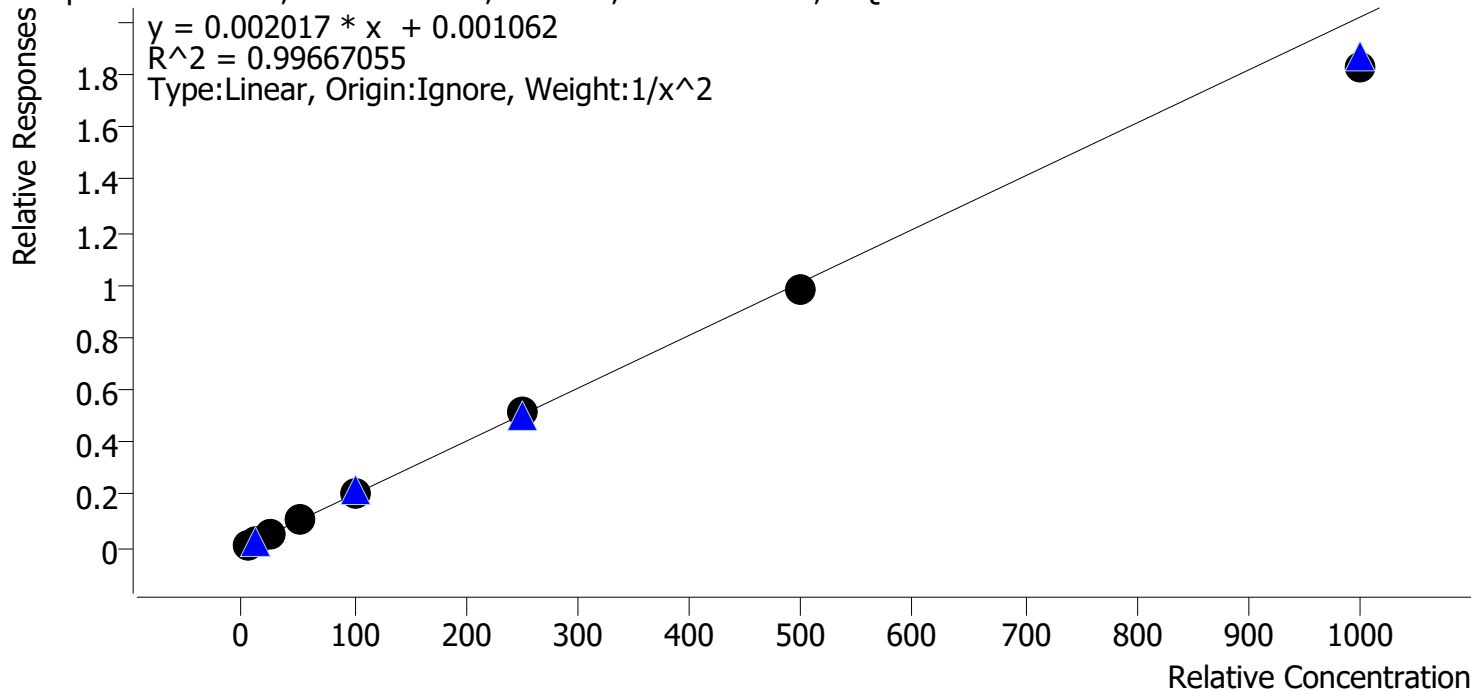
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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



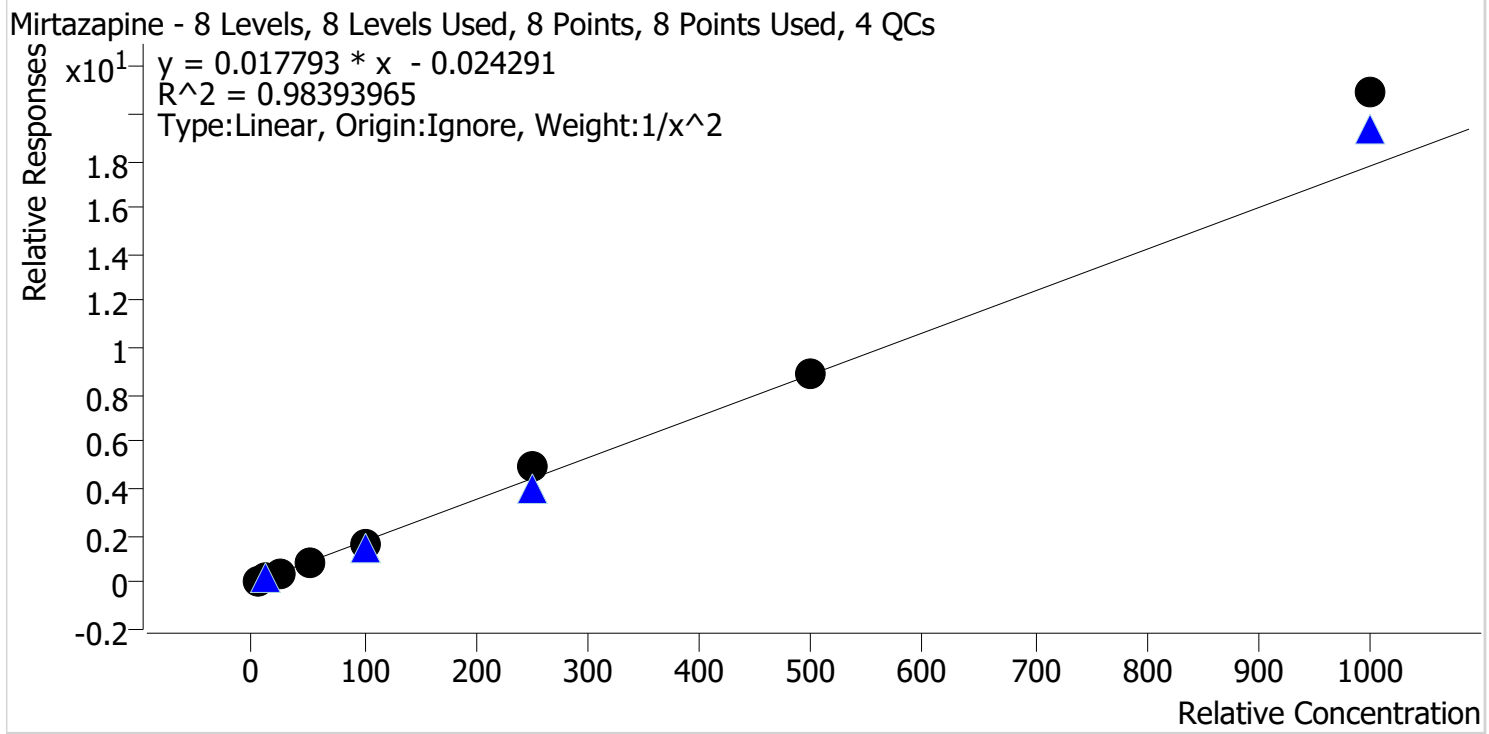
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	487.9	97.6
p1 Cal 8-1000ng	8	✓	1000.0	907.3	90.7

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



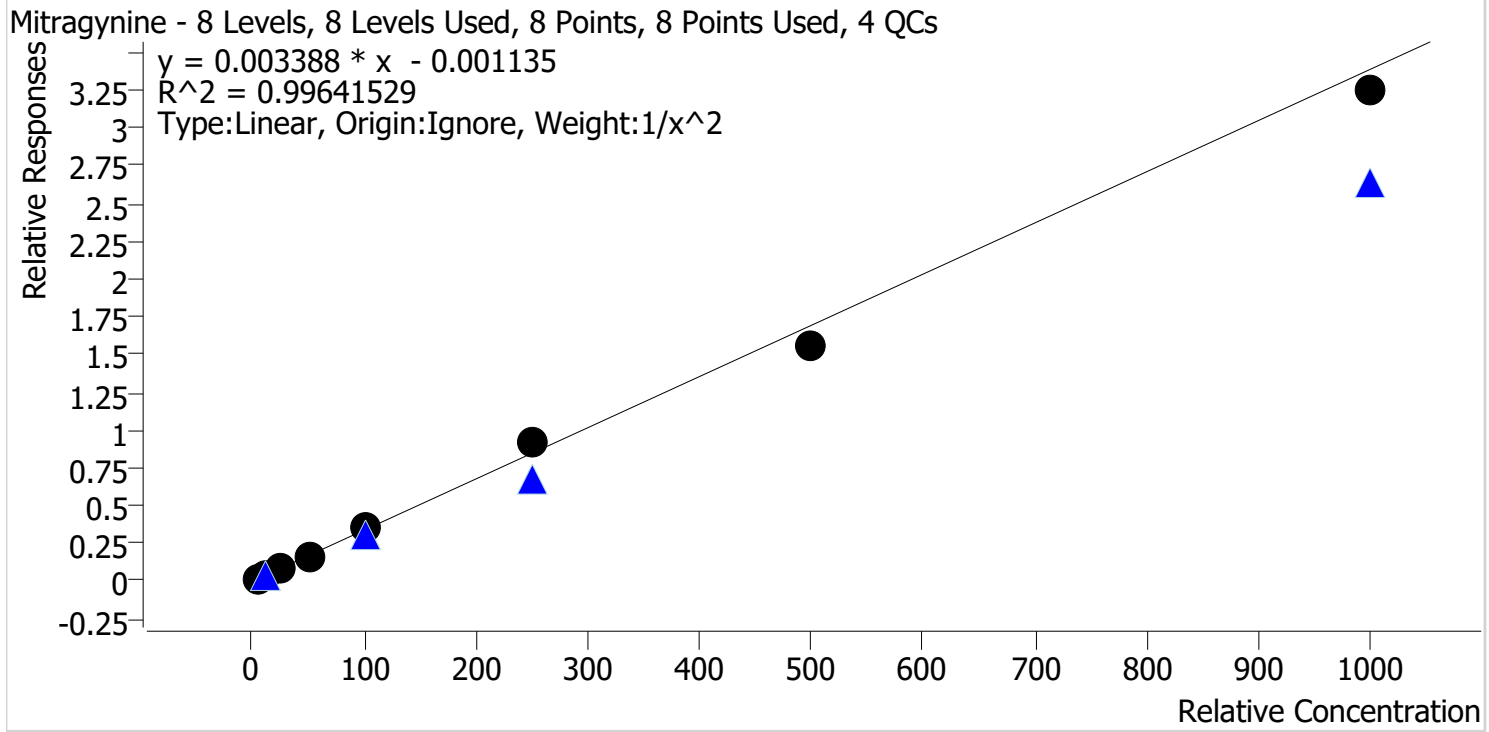
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	21.3	85.2
p1 Cal 4-50ng	4	✓	50.0	45.0	90.0
p1 Cal 5-100ng	5	✓	100.0	91.6	91.6
p1 Cal 6-250ng	6	✓	250.0	279.7	111.9
p1 Cal 7-500ng	7	✓	500.0	499.2	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1176.1	117.6

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	272.8	109.1
p1 Cal 7-500ng	7	✓	500.0	463.5	92.7
p1 Cal 8-1000ng	8	✓	1000.0	958.5	95.9

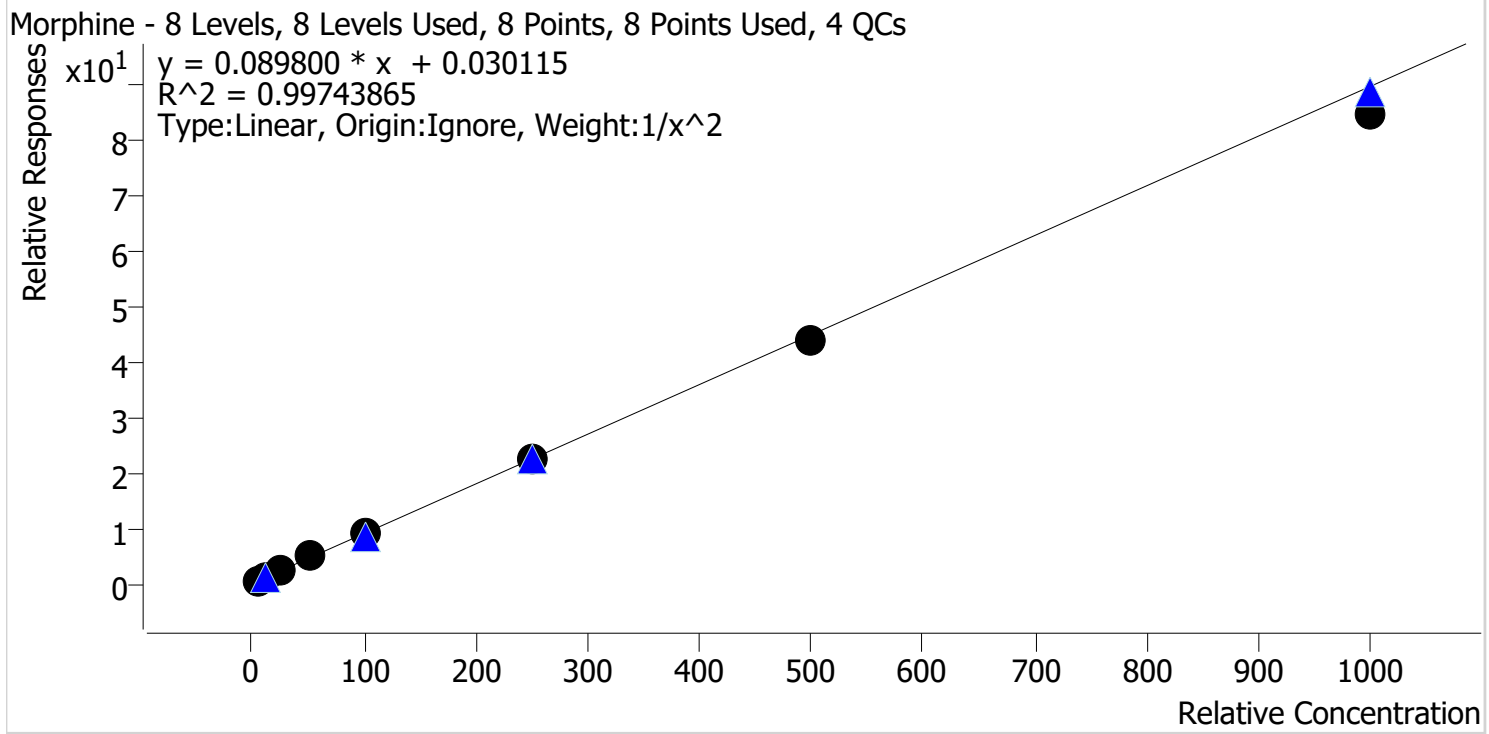


SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	491.6	98.3
p1 Cal 8-1000ng	8	✓	1000.0	940.6	94.1

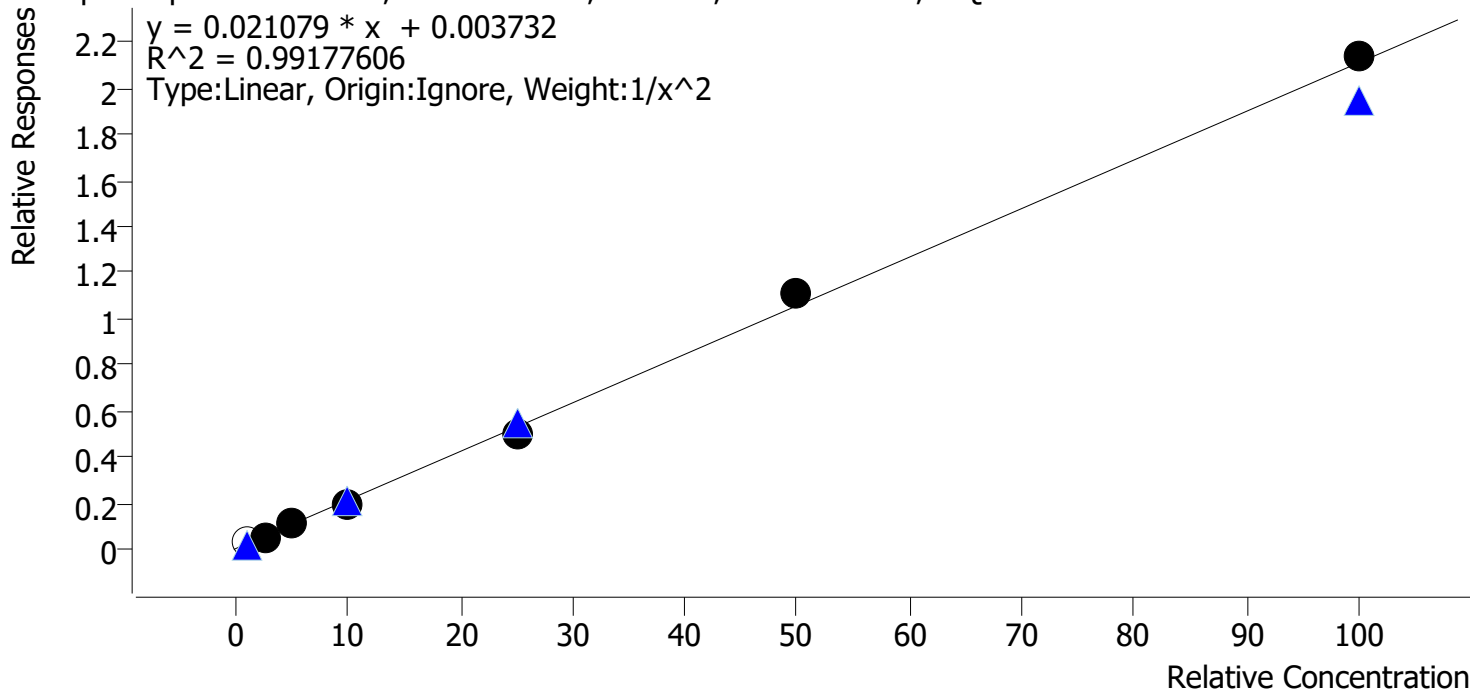
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 7 Levels, 6 Levels Used, 7 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	x	1.0	1.1	106.5
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.0
p1 Cal 4-50ng	4	✓	5.0	5.5	110.8
p1 Cal 5-100ng	5	✓	10.0	9.2	91.5
p1 Cal 6-250ng	6	✓	25.0	23.5	93.9
p1 Cal 7-500ng	7	✓	50.0	52.7	105.4
p1 Cal 8-1000ng	8	✓	100.0	101.2	101.2

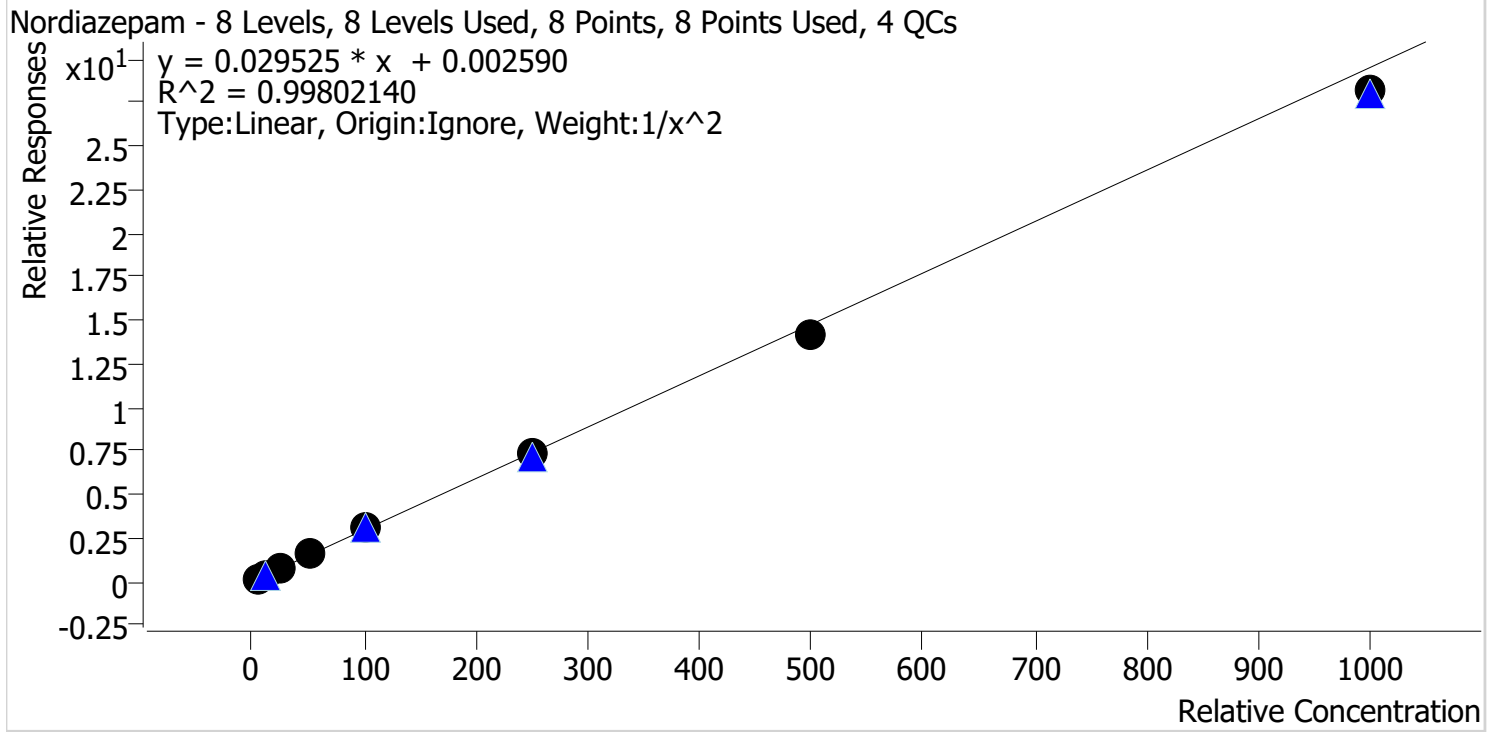
Calibrators 1 and 2 dropped due to not meeting ratio requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



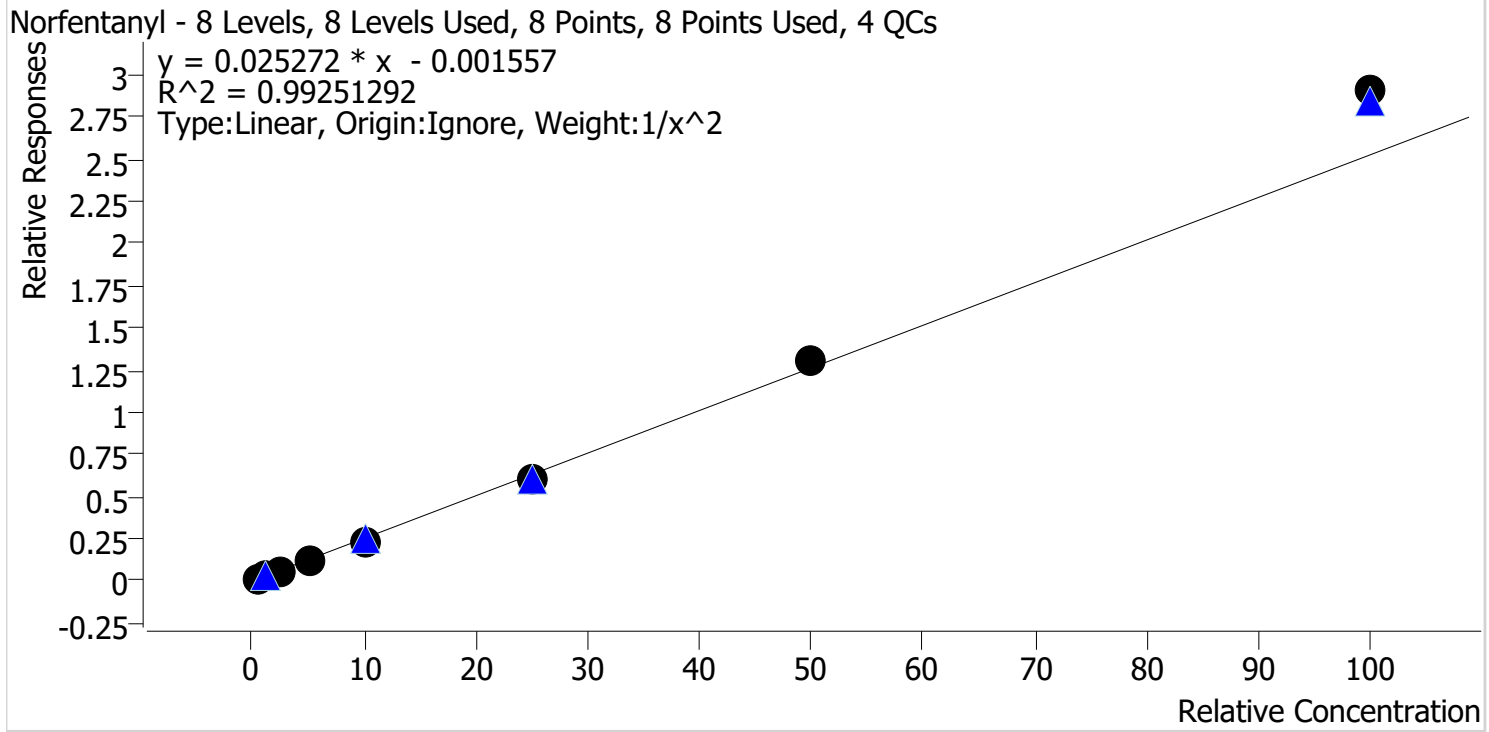
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	480.6	96.1
p1 Cal 8-1000ng	8	✓	1000.0	954.9	95.5

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.4
p1 Cal 2-10ng	2	✓	1.0	1.0	95.2
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.8
p1 Cal 4-50ng	4	✓	5.0	4.9	98.7
p1 Cal 5-100ng	5	✓	10.0	9.4	94.3
p1 Cal 6-250ng	6	✓	25.0	24.2	96.7
p1 Cal 7-500ng	7	✓	50.0	51.9	103.9
p1 Cal 8-1000ng	8	✓	100.0	115.1	115.1

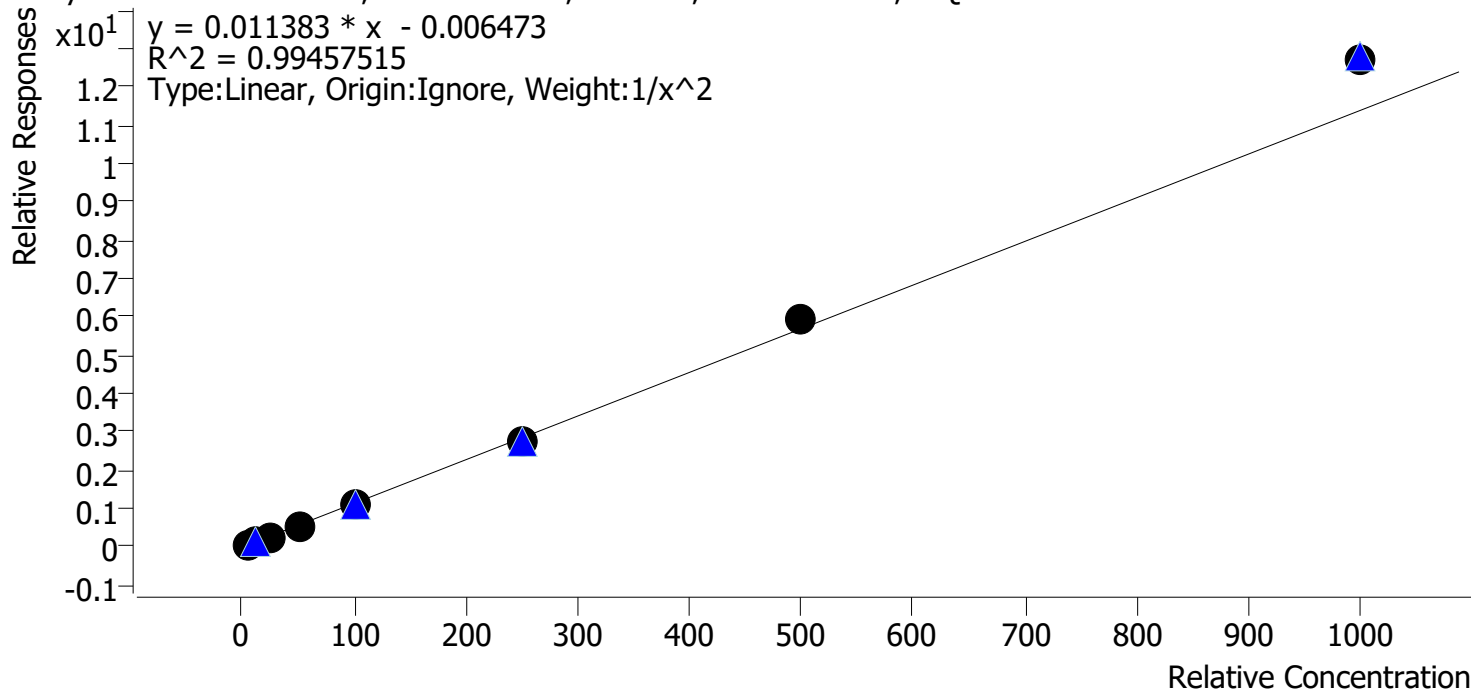
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



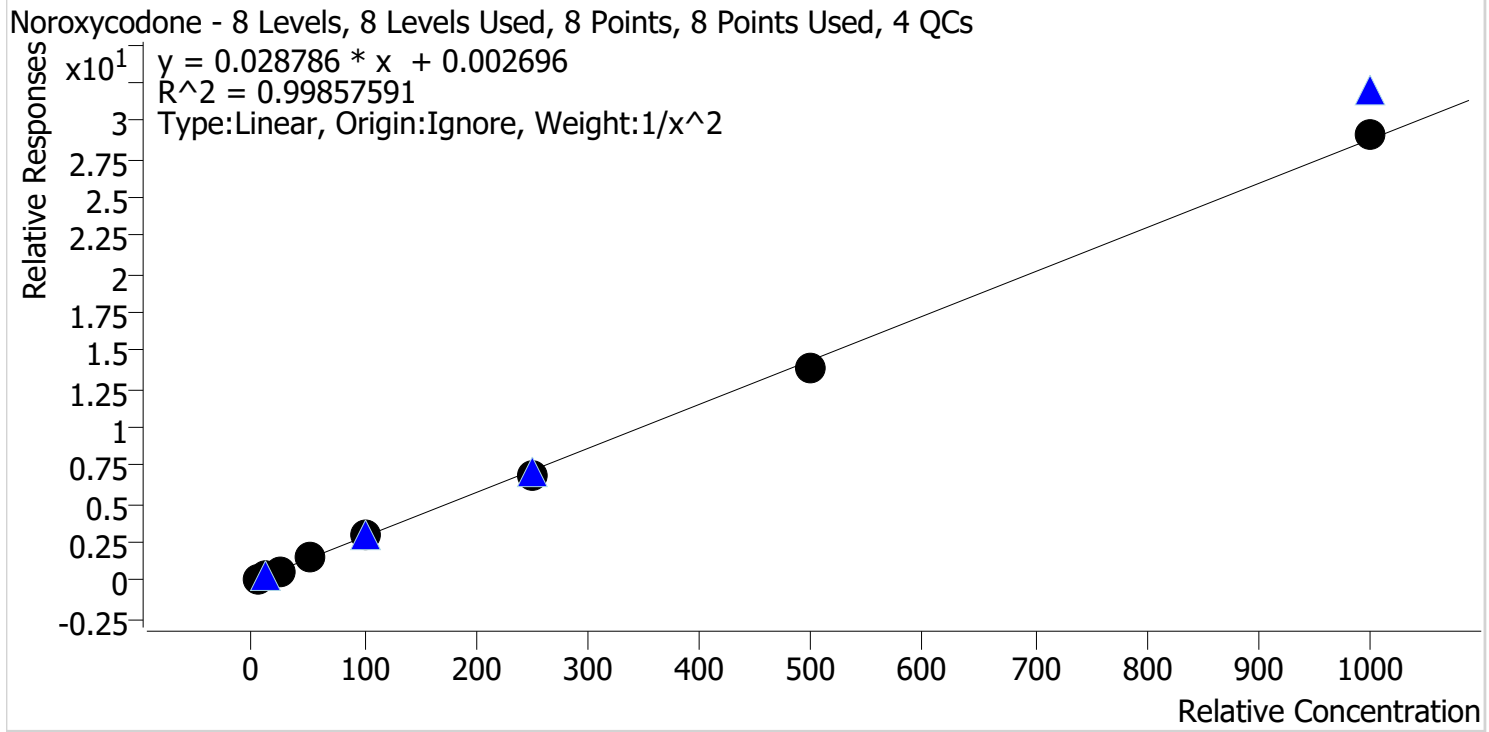
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	105.0
p1 Cal 2-10ng	2	✓	10.0	9.3	93.2
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.3
p1 Cal 4-50ng	4	✓	50.0	49.3	98.7
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	519.4	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1117.5	111.7

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



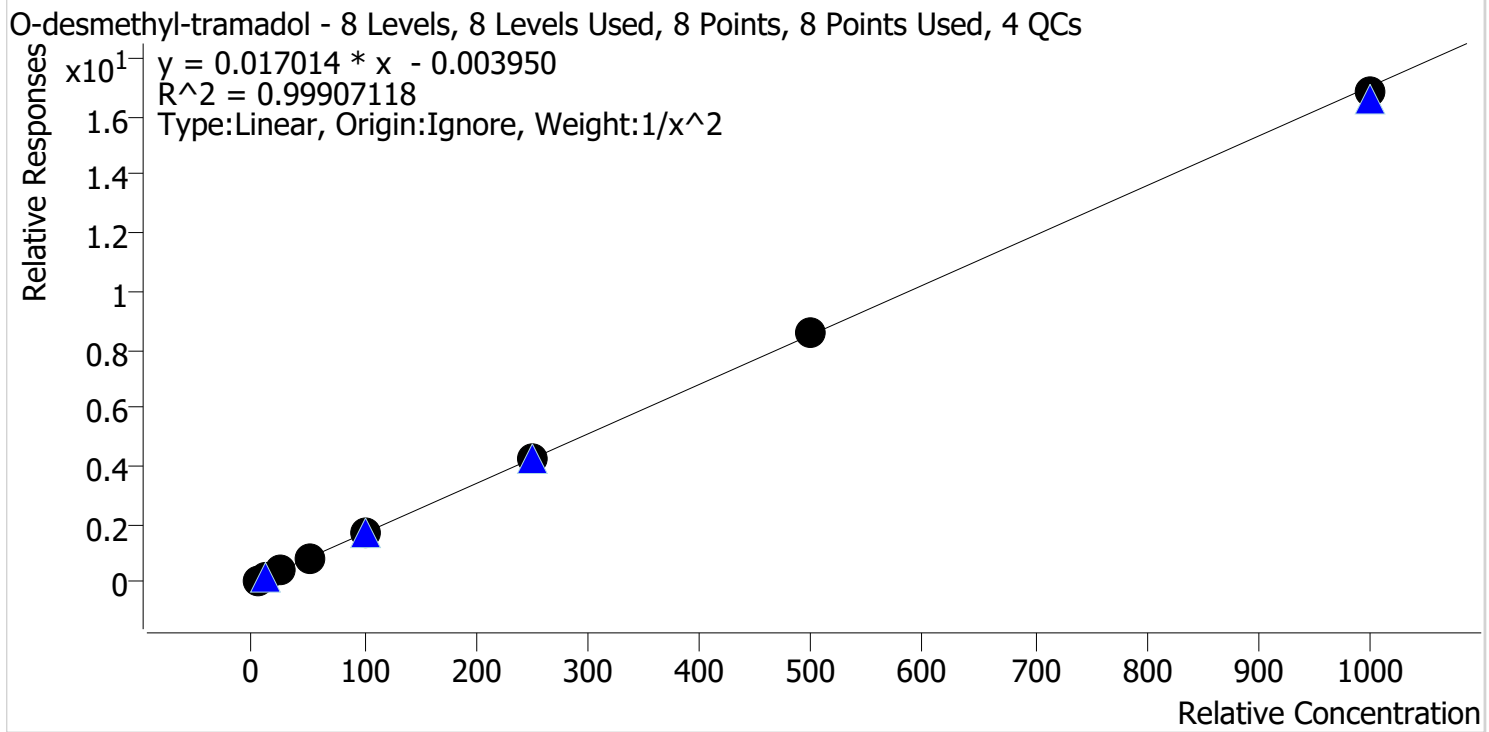
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	53.3	106.7
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	242.6	97.0
p1 Cal 7-500ng	7	✓	500.0	481.6	96.3
p1 Cal 8-1000ng	8	✓	1000.0	1011.2	101.1

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	506.4	101.3
p1 Cal 8-1000ng	8	✓	1000.0	988.4	98.8

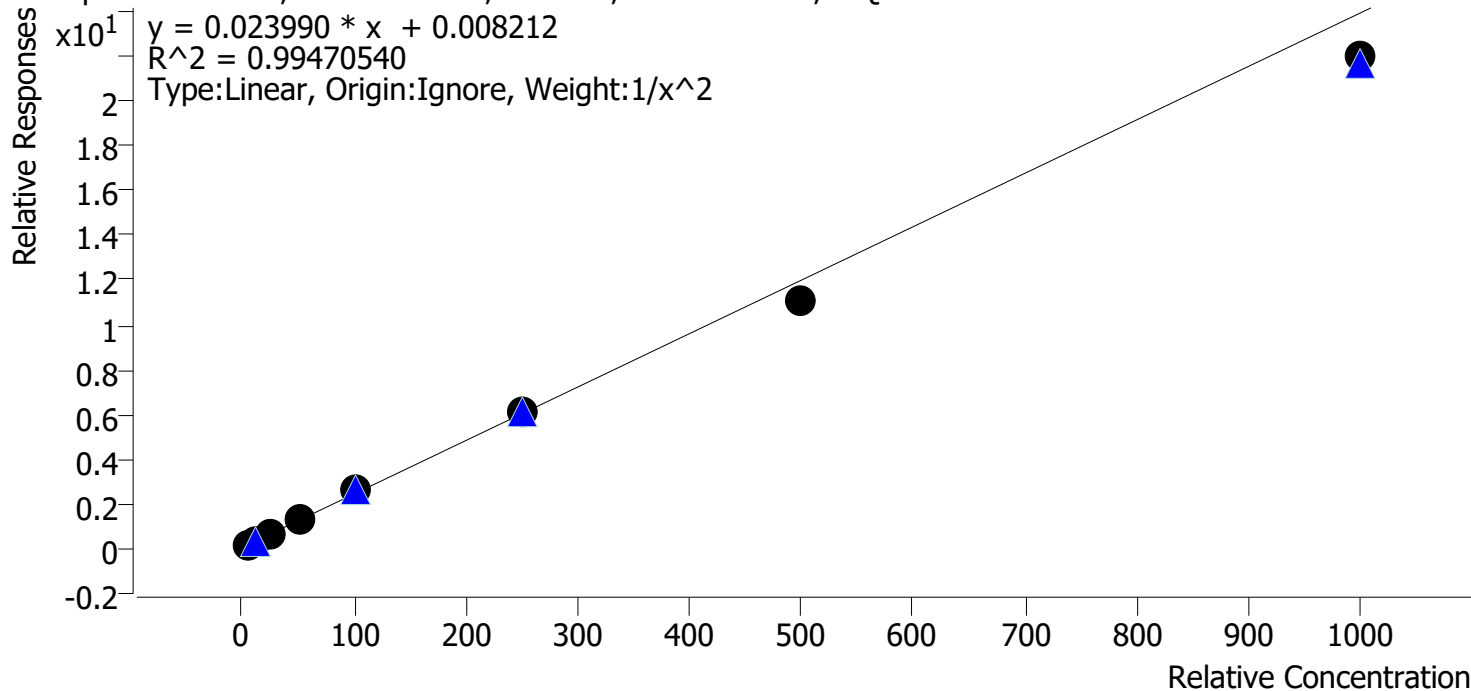
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**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	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	55.5	111.0
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	462.8	92.6
p1 Cal 8-1000ng	8	✓	1000.0	918.4	91.8



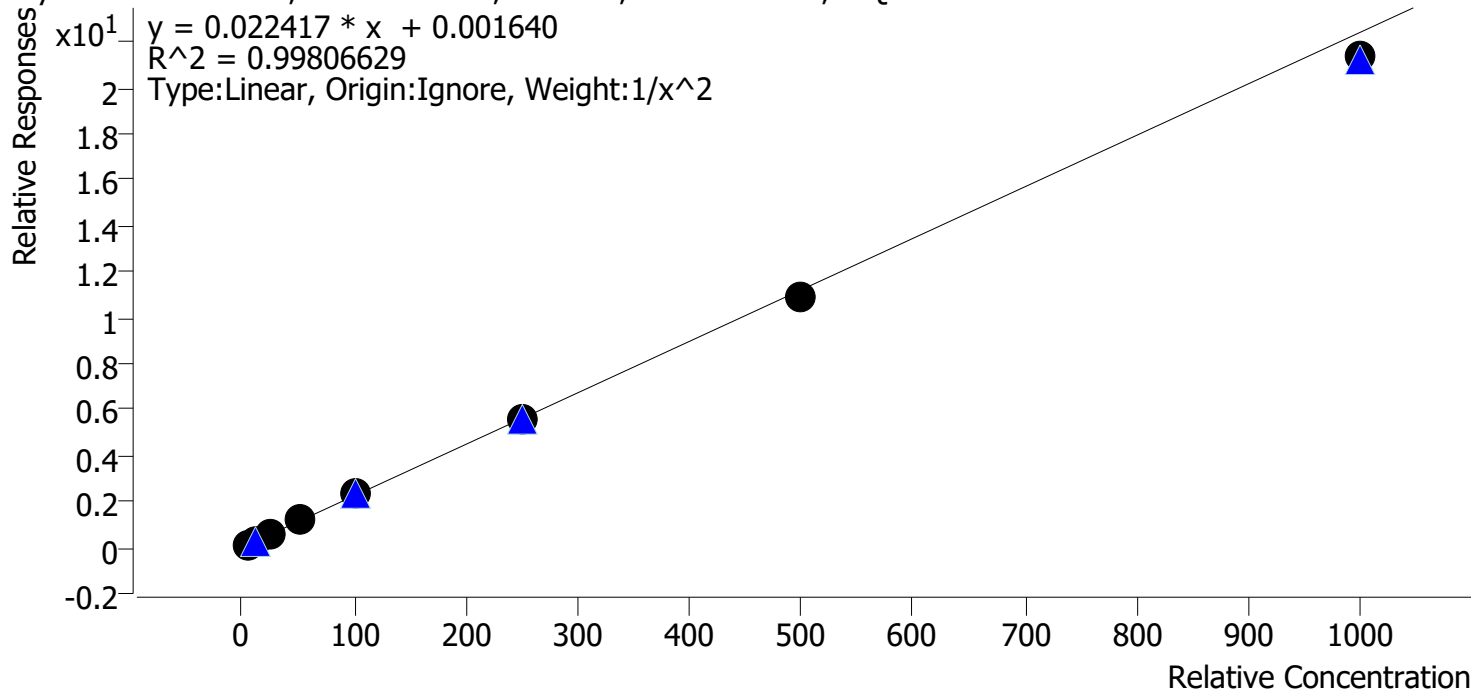
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



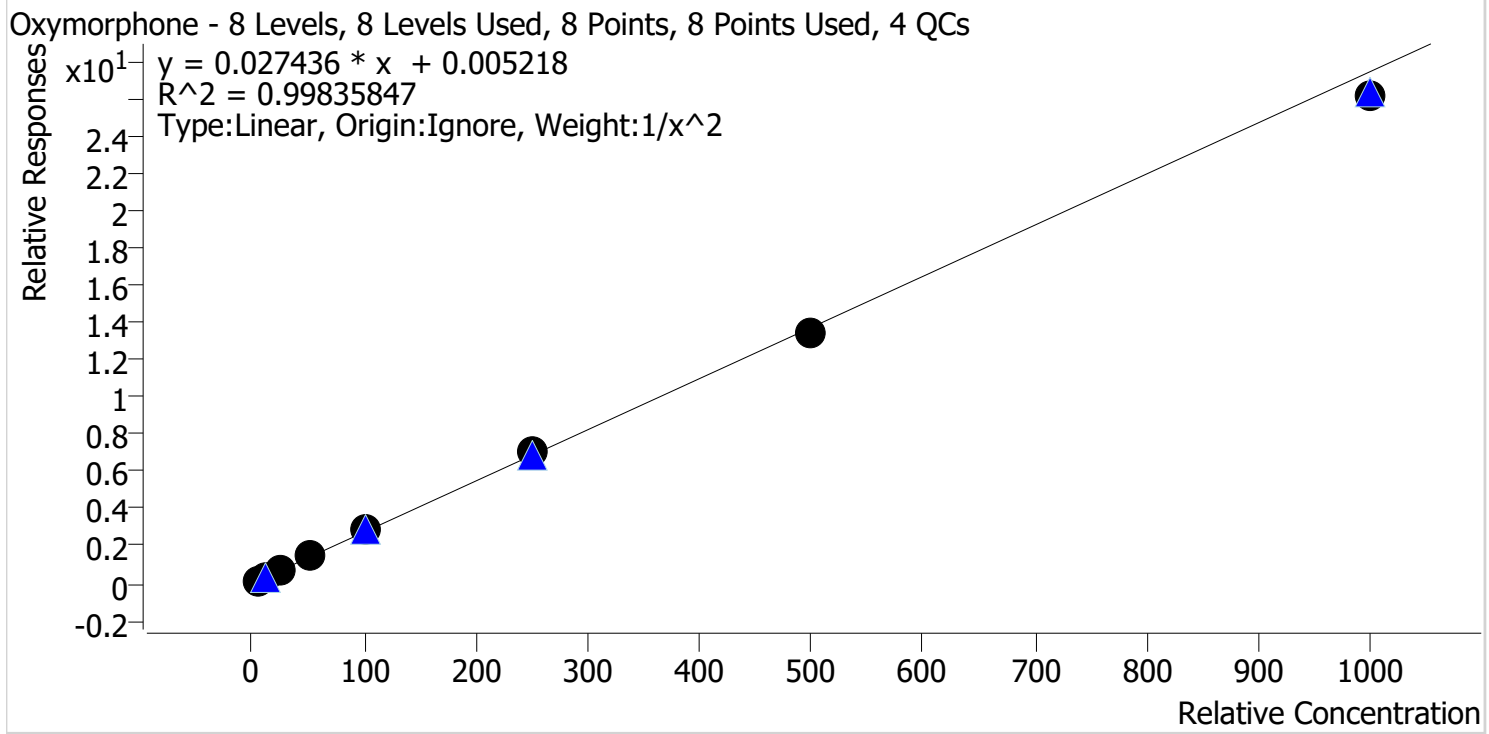
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	53.6	107.1
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	486.0	97.2
p1 Cal 8-1000ng	8	✓	1000.0	952.9	95.3

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



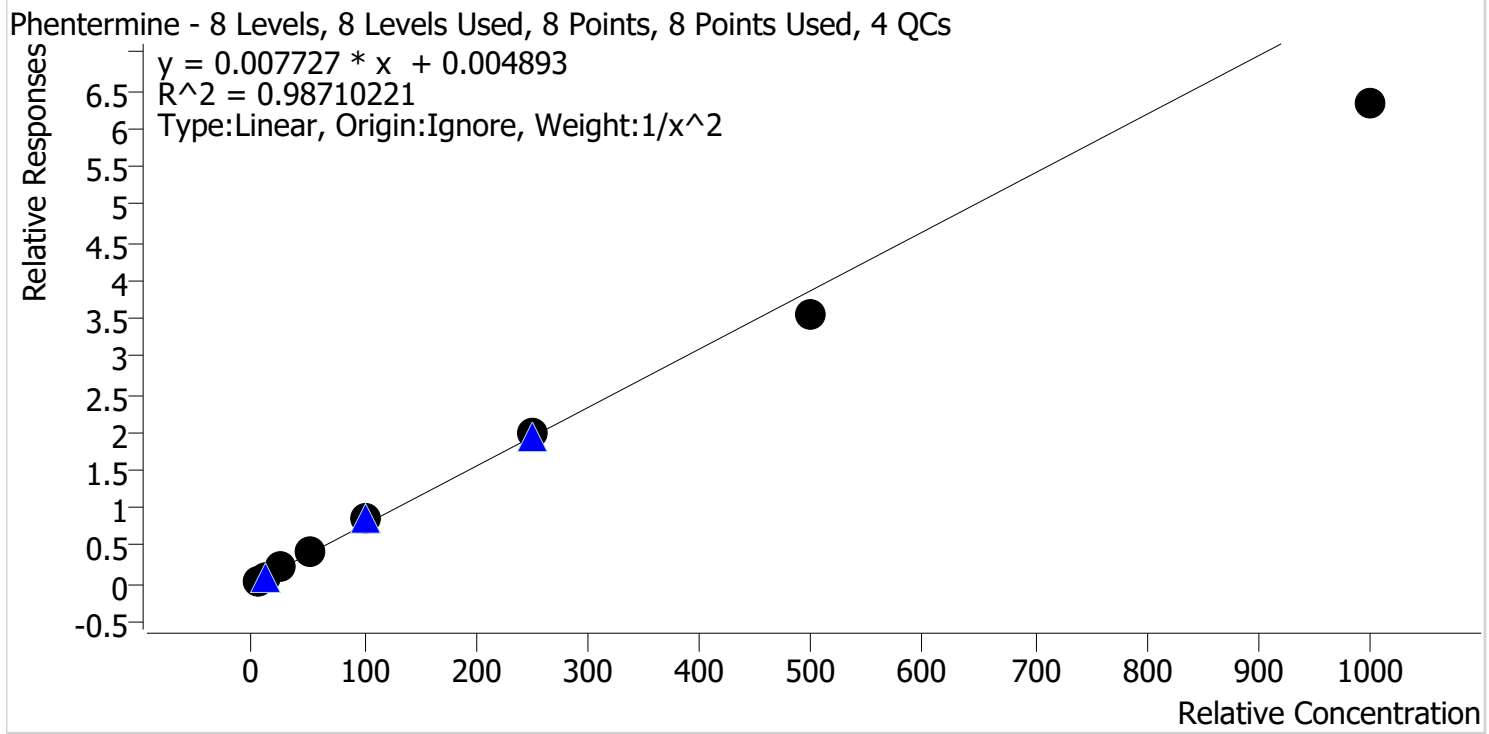
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	490.8	98.2
p1 Cal 8-1000ng	8	✓	1000.0	953.6	95.4

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



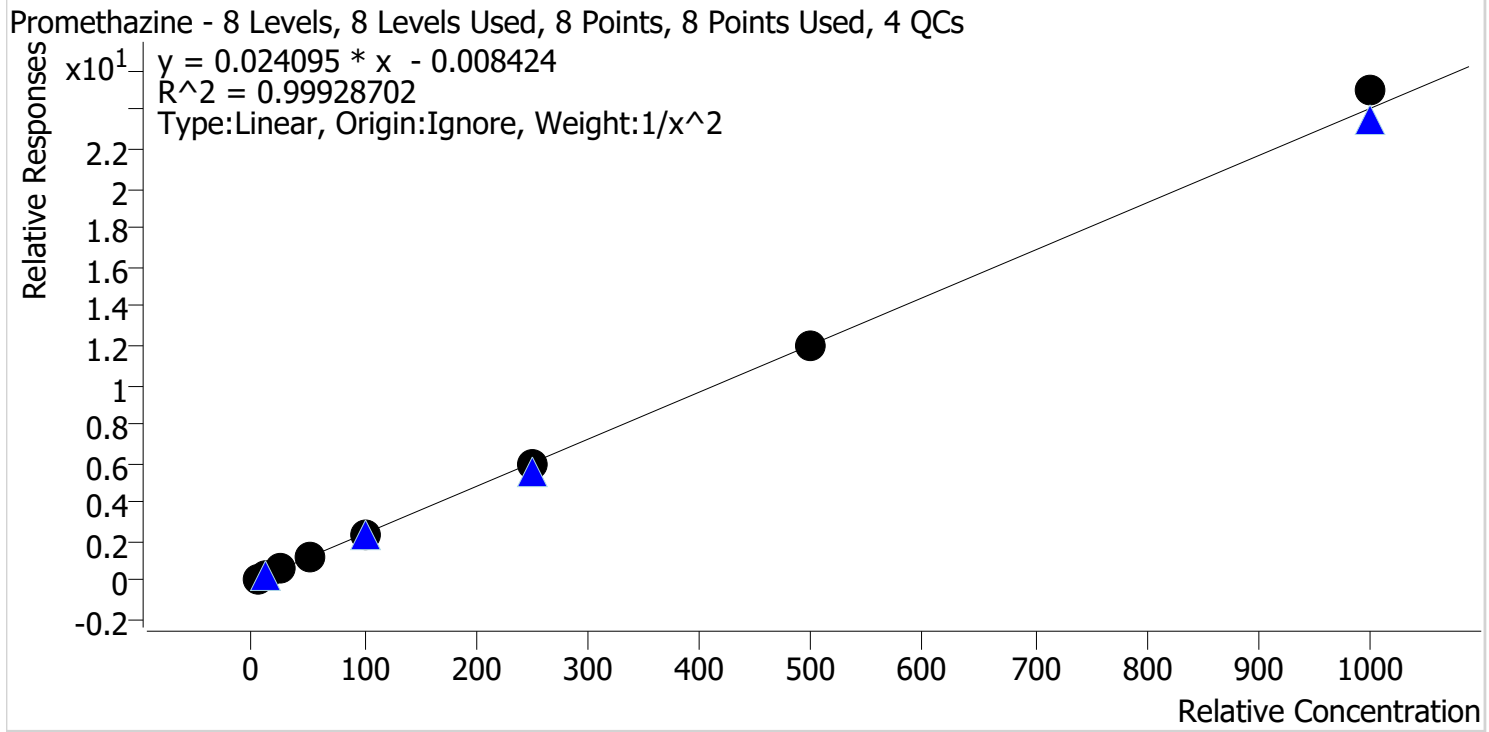
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	56.5	112.9
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	257.4	103.0
p1 Cal 7-500ng	7	✓	500.0	456.0	91.2
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\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



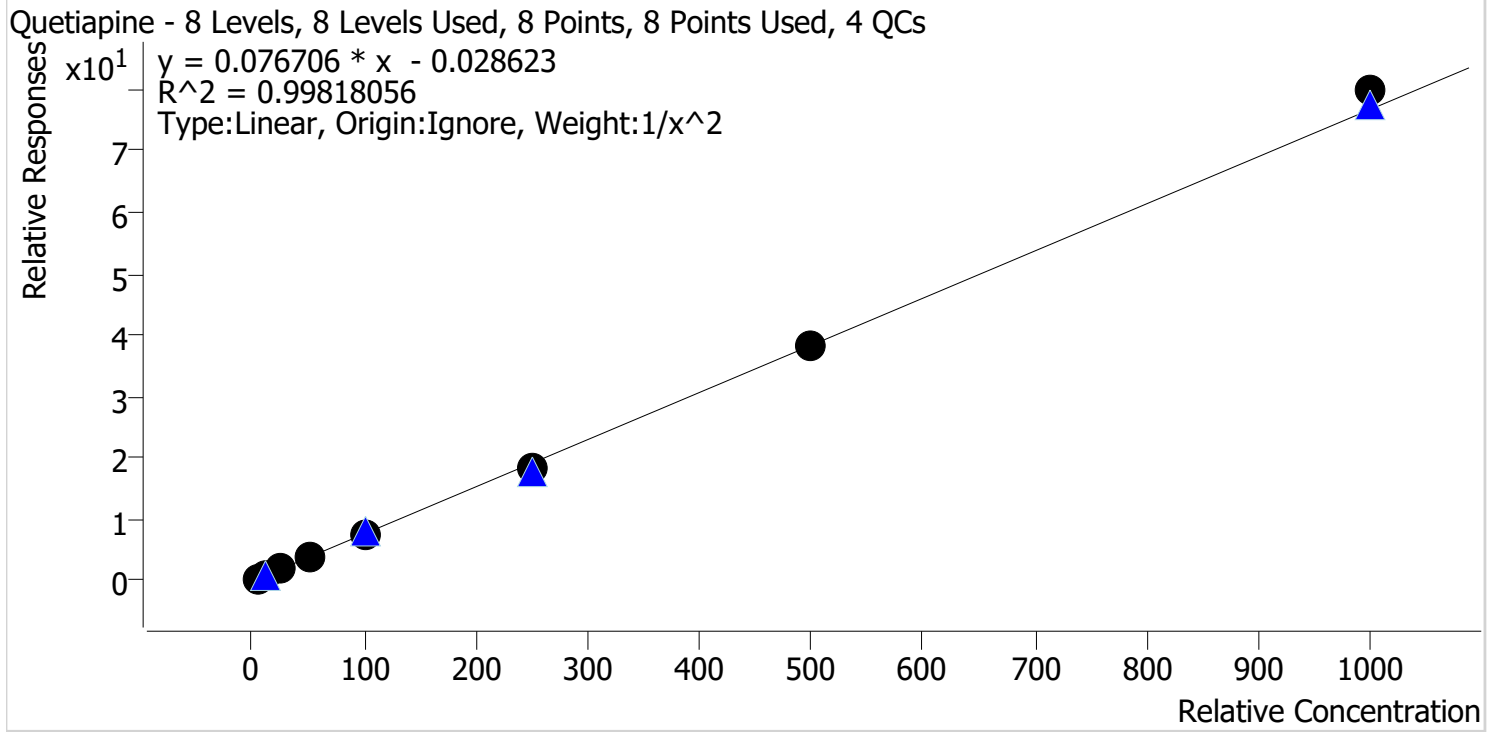
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	497.4	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1037.7	103.8

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



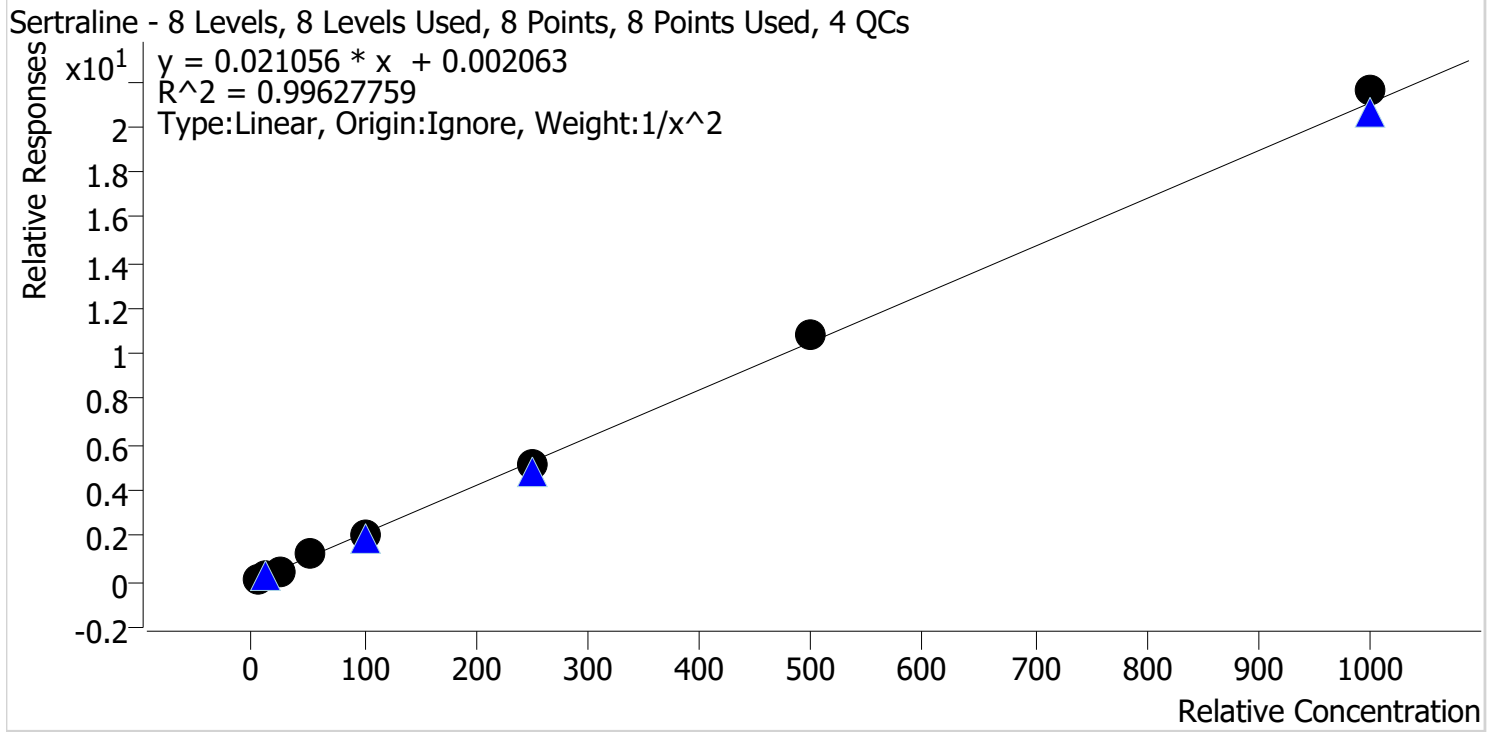
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.2
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	498.6	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1040.1	104.0

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



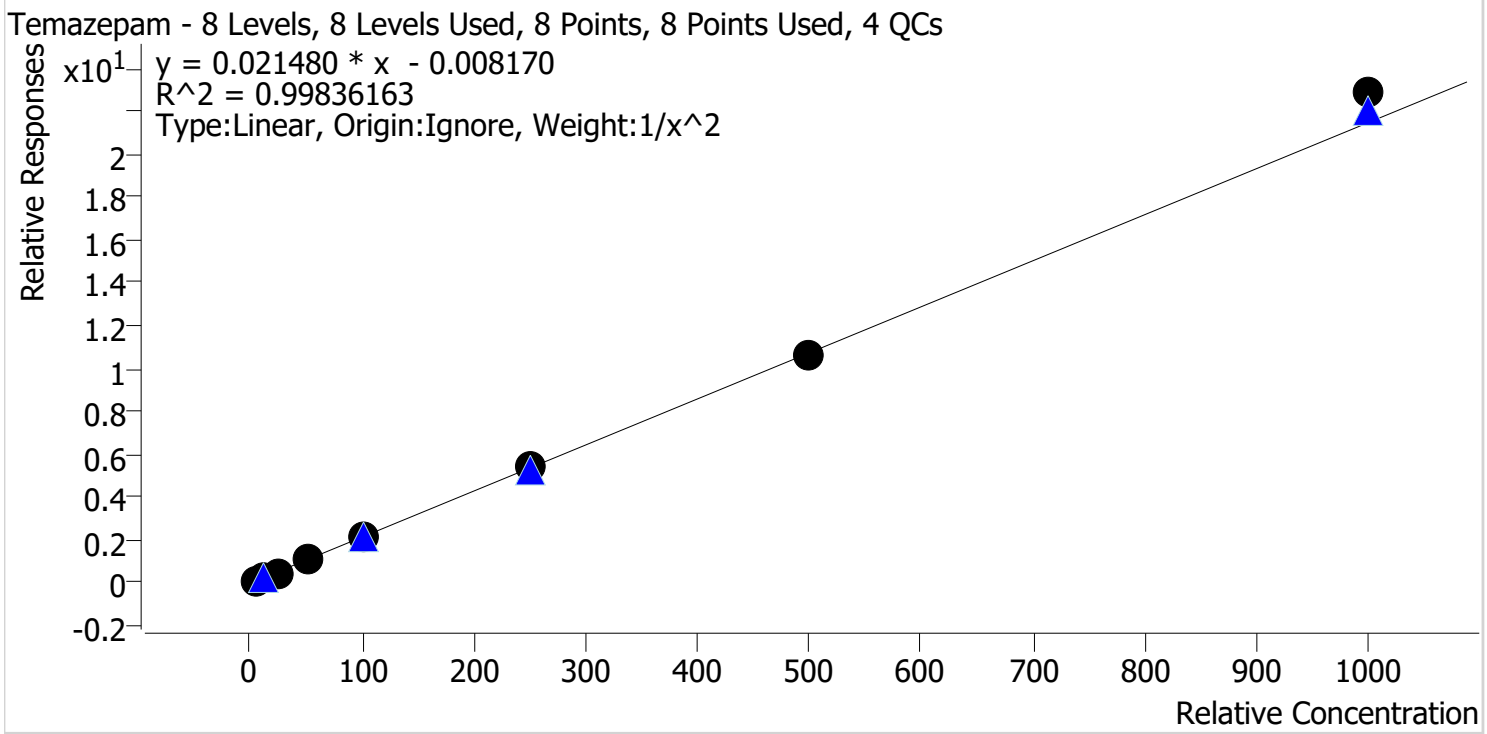
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.5	95.0
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.1
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	514.2	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1025.8	102.6

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



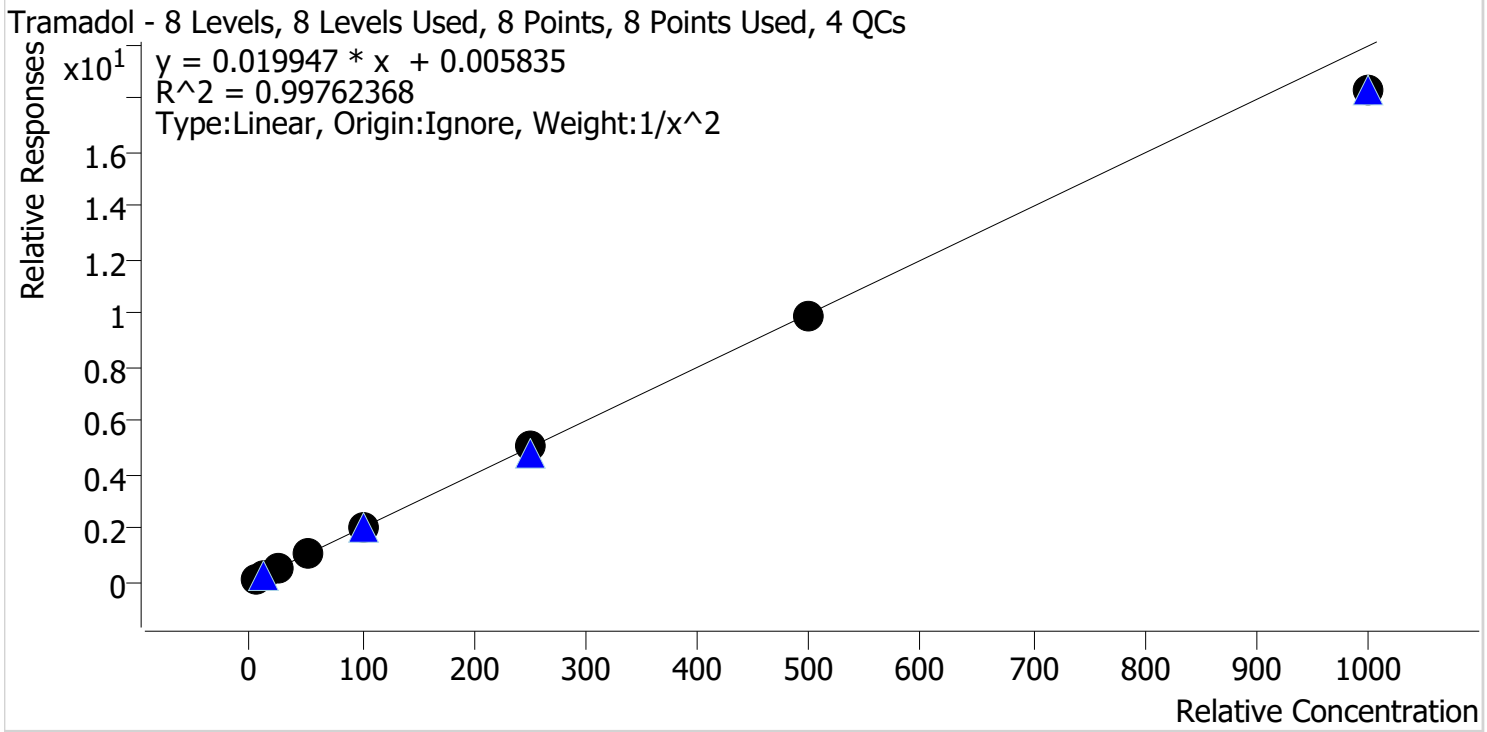
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.0
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1065.3	106.5

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	495.7	99.1
p1 Cal 8-1000ng	8	✓	1000.0	916.6	91.7



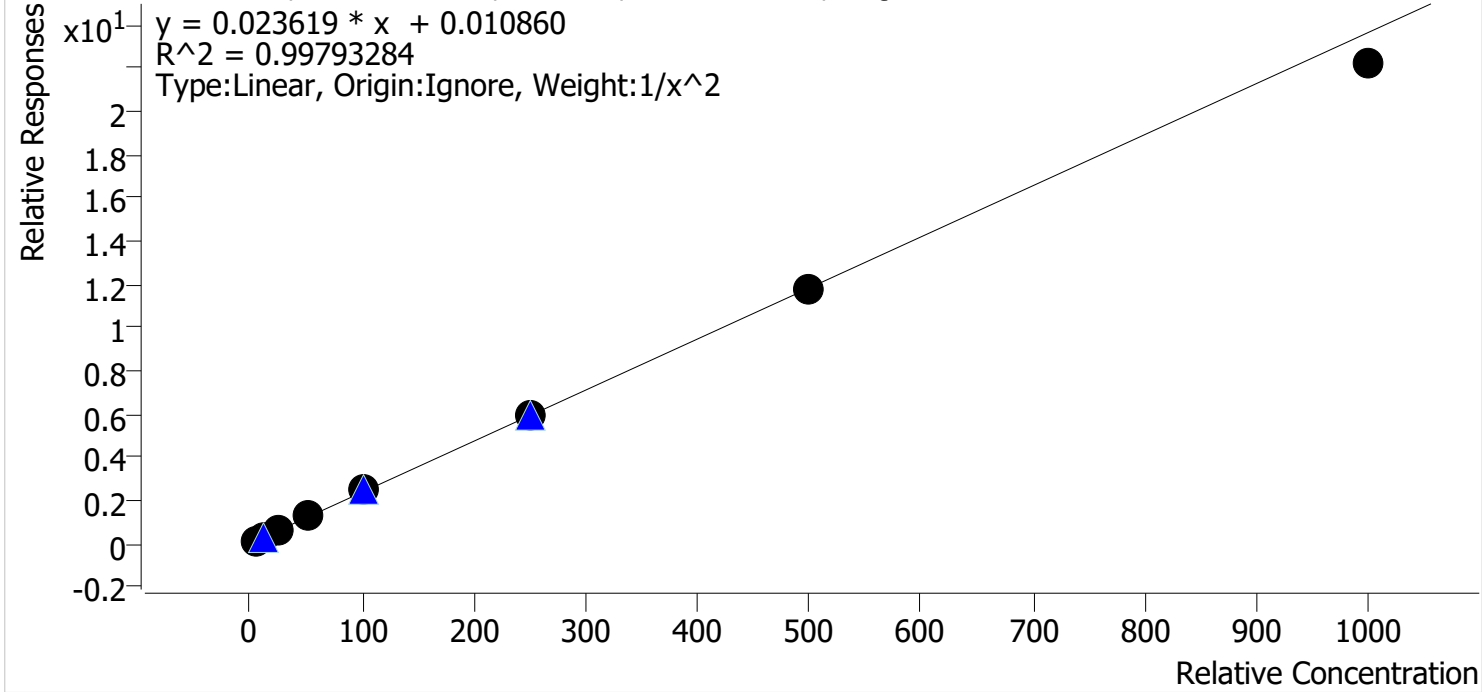
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

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



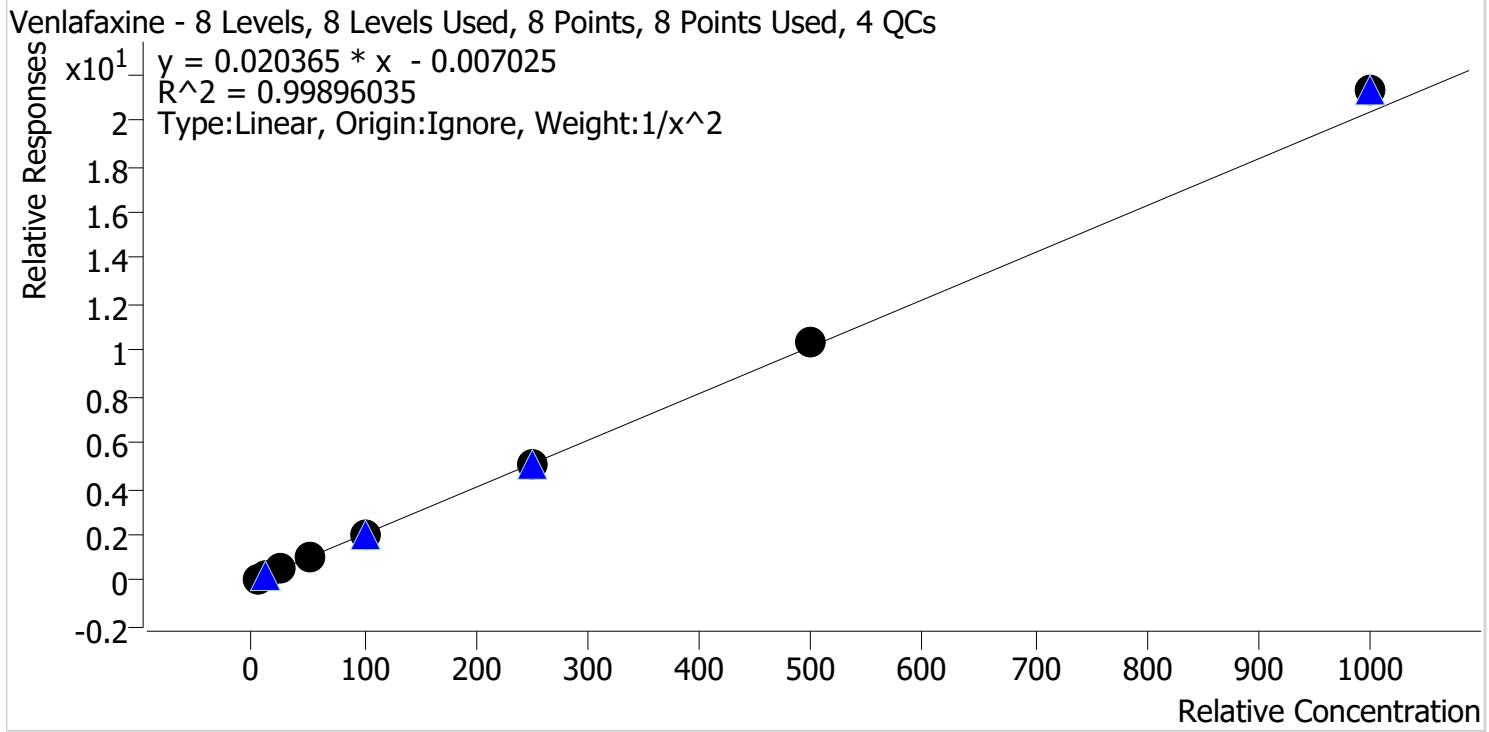
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	942.4	94.2

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	246.9	98.7
p1 Cal 7-500ng	7	✓	500.0	510.0	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1043.1	104.3

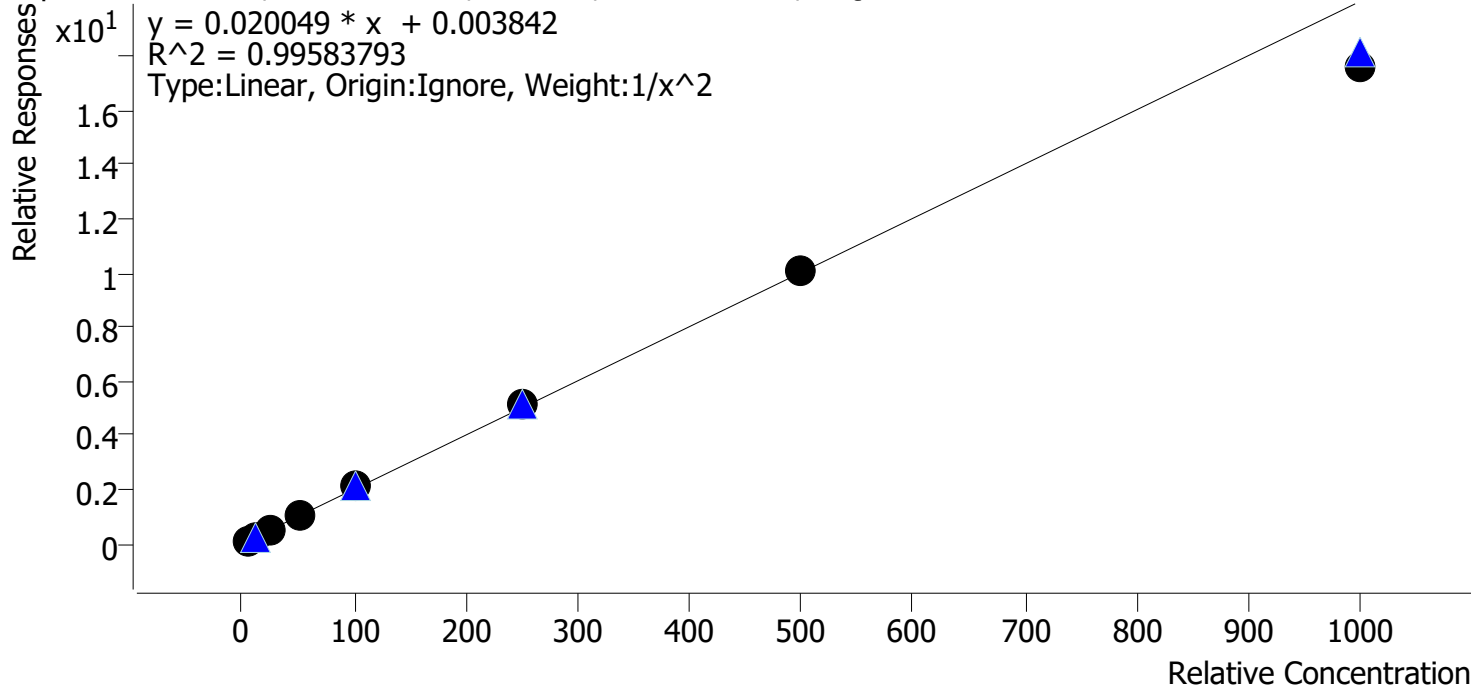
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/9/2021 9:55 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	258.8	103.5
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	878.6	87.9

# AM #28 Multi-Drug Quant. Results

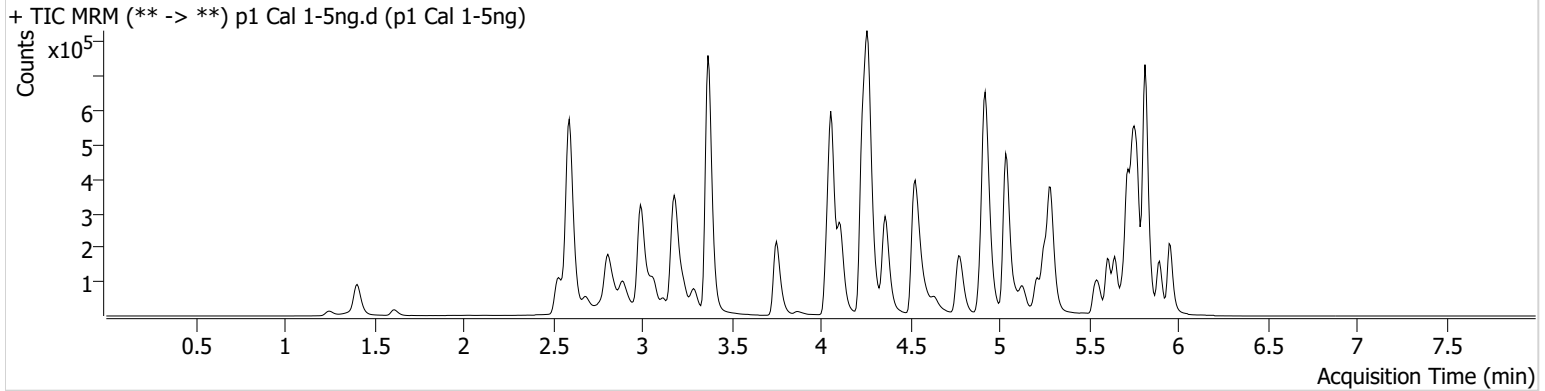
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 1-5ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/7/2021 5:06:22 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	1558	1713.65	79.6	5610.50	84041	0.5058 ng/ml
7-aminoclonazepam	4.278	39965	1321.53	78.1	137.50	295778	4.9412 ng/ml
a-hydroxyalprazolam	5.699	22624	203.13	54.5	544.91	489392	4.7135 ng/ml
alpha-PHP	4.937	17061	286.01	275.4	1285.85	661142	4.8261 ng/ml
alpha-PVP	4.370	74065	445.16	53.8	380.21	661142	5.0893 ng/ml
Alprazolam	5.775	65039	446.81	111.5	568.55	489392	5.0383 ng/ml
Amphetamine	3.069	116272	742.31	47.9	336.04	234491	4.8788 ng/ml
Benzoylcegonine	3.899	3017	79.14	6.1	48.56	19986	5.1568 ng/ml
Buprenorphine	5.894	603	19.91	9.0 <b>Low</b>	85.78	47580	0.5609 ng/ml
Bupropion	4.795	61272	186.93	58.7	1697.69	428496	5.0510 ng/ml
Carisoprodol	5.730	66273	311878.11	55.6	69.53	681620	5.1769 ng/ml
Citalopram	5.212	23697	178.75	41.9	366.84	224610	4.9921 ng/ml
Clonazepam	5.612	74553	4934.00	30.9	77163.03	173128	4.8878 ng/ml
Clonazepam	5.548	53756	3528.49	35.8	50386.84	173128	5.0073 ng/ml
Cocaine	4.264	68993	506.10	49.9	327.17	1250780	5.0865 ng/ml
Codeine	2.587	9549	532.44	98.0	63502.67	91168	4.8674 ng/ml
Cyclobenzaprine	5.622	5116	12937.03	10.8	7.06 <b>Low</b>	40825	5.1681 ng/ml
Dextromethorphan	5.262	10262	50.48	77.6	39.53	93316	5.0486 ng/ml
Dextrophan	4.111	20284	330.79	203.5	703.88	501525	5.0076 ng/ml
Diazepam	5.960	40005	189.33	86.3	216.11	369486	5.0331 ng/ml
Dihydrocodeine	2.565	22933	697.53	66.9	133.09	273311	4.8260 ng/ml
Diphenhydramine	5.289	61696	6109.54	33.5	886.81	767379	5.0932 ng/ml
Doxylamine	4.543	143835	76.18	98.7	9258.48	1265306	5.0797 ng/ml
EDDP	5.254	32397	4645.23	39.1	18463.94	339954	5.1319 ng/ml
Etizolam	5.820	40635	164436.70	22.8	14709.71	173128	5.2534 ng/ml
Fentanyl	5.116	1020	140.17	79.2	1678.39	86603	0.5217 ng/ml
Flualprazolam	5.705	32153	709.10	92.9	45109.98	489392	4.9152 ng/ml
Fluoxetine	5.707	3874	262.70	8.4	300.88	31252	5.0378 ng/ml
Hydrocodone	3.025	33030	327.05	37.7	38.27	775666	4.9024 ng/ml
Hydromorphone	1.615	29680	461.44	78.9	1116.21	9763	4.9644 ng/ml
Ketamine	4.059	67489	∞	37.2	83.53	624054	4.9765 ng/ml
Lamotrigine	4.280	6244	320.46	80.2	2128.68	624054	4.7803 ng/ml
Levetiracetam	2.690	34259	504.43	167.4	264.31	1509744	5.1073 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	71598	1694.36	56.6	95.65	173128	4.8709 ng/ml
MDA	3.203	90809	199.20	25.1	133.56	467131	4.8193 ng/ml
MDMA	3.296	54154	1234.06	78.5	397.92	102821	5.0449 ng/ml
Meprobamate	4.924	40223	179106.11	28.4	1039.08	367737	4.8016 ng/ml
Methadone	5.653	31444	314.38	47.4	408.72	288792	5.1335 ng/ml
Methamphetamine	3.238	89257	311.43	37.6	545.82	546246	4.9848 ng/ml
Metoprolol	4.326	15859	1417.74	84.9	309.43	1422404	5.0016 ng/ml
Mirtazapine	4.637	45234	842.36	50.7	132.79	661142	5.2103 ng/ml
Mitragynine	5.244	4634	634.64	40.0	917.11	288792	5.0704 ng/ml
Morphine	1.261	4696	531.50	33.1	217.61	9763	5.0213 ng/ml
Nordiazepam	5.900	38443	4184.44	59.4	290.97	258330	4.9525 ng/ml
Norfentanyl	4.086	13123	134.28	32.9	58.28	1127848	0.5220 ng/ml
Norhydrocodone	3.073	5198	65.23	38.8	69.26	97567	5.2493 ng/ml
Noroxycodone	2.916	37773	247.02	40.6	145.07	257379	5.0046 ng/ml
O-desmethyl-tramadol	3.376	152626	4007.05	7.1	509.70	1845045	5.0941 ng/ml
Oxazepam	5.756	83119	433.45	72.8	224.43	656348	4.9364 ng/ml
Oxycodone	2.841	69692	594.45	27.0	203.94	607525	5.0440 ng/ml
Oxymorphone	1.411	37417	1328.36	41.5	137.37	263116	4.9930 ng/ml
Phentermine	3.790	24968	97.09	4.8	30.50	590009	4.8431 ng/ml
Promethazine	5.538	11298	184.38	27.5	31.46	99775	5.0489 ng/ml
Pseudoephedrine	2.603	156418	3427.48	16.4	2761.15	1509744	5.1422 ng/ml
Quetiapine	5.562	30793	1056.90	59.3	49317.64	86405	5.0192 ng/ml
Sertraline	5.776	1716	67.54	96.5	1666.48	15482	5.1663 ng/ml
Temazepam	5.823	135018	1518.09	29.2	82.22	1322234	5.1343 ng/ml
Tramadol	4.246	148165	907.09	3.8	58.75	1422404	4.9297 ng/ml
Trazodone	5.190	23582	23945.00	79.0	3466.69	180788	5.0629 ng/ml
Venlafaxine	5.043	109077	4309.05	38.5	98.20	1127777	5.0941 ng/ml
Zolpidem	4.941	152110	2435.52	31.6	2053.12	1461880	4.9982 ng/ml

# AM #28 Multi-Drug Quant. Results

SC

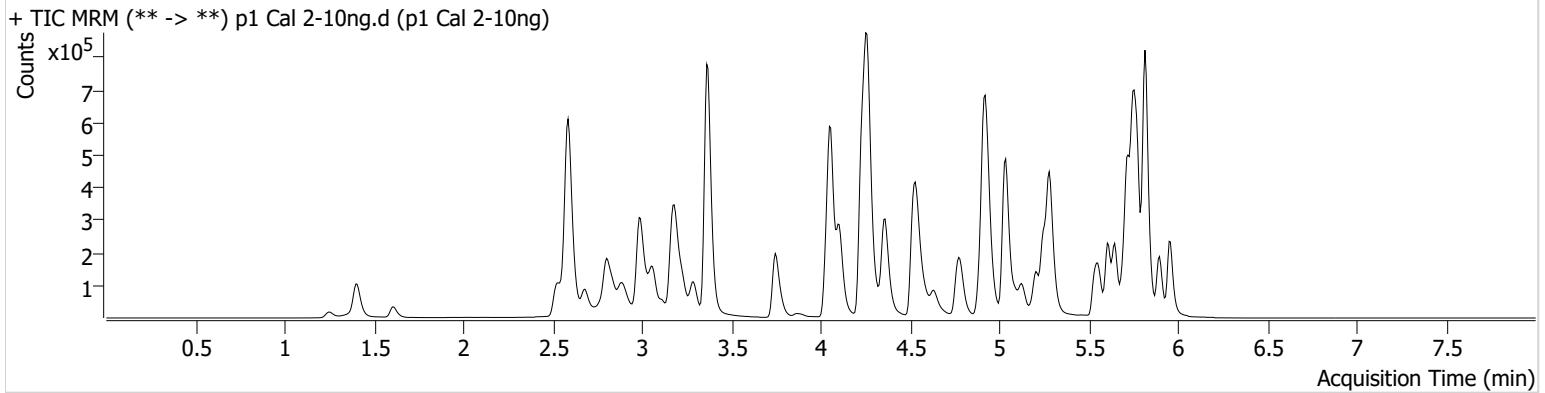


**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

**Instrument** Instrument 1  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-B1  
**Injection Volume** 2  
**Acq. Date-Time** 4/7/2021 5:17:08 PM  
**Sample Info.**

**Data File** p1 Cal 2-10ng.d  
**Sample** p1 Cal 2-10ng  
**Operator** Sarah Collins  
**Comment**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	2995	796.33	77.6	126.58	78514	0.9827 ng/ml
7-aminoclonazepam	4.271	83683	13659.78	78.1	14468.48	301350	10.2319 ng/ml
a-hydroxyalprazolam	5.699	45277	352.51	55.9	234.14	467467	10.7635 ng/ml
alpha-PHP	4.930	32772	607.19	263.5	487.01	621981	10.4709 ng/ml
alpha-PVP	4.370	137549	834.19	51.0	217.78	621981	9.8086 ng/ml
Alprazolam	5.775	125606	549.56	117.9	1805.54	467467	9.8556 ng/ml
Amphetamine	3.063	206397	2402.17	48.6	664.59	218448	10.1055 ng/ml
Benzoylcegonine	3.892	5808	301.24	8.3	652.07	20151	9.7443 ng/ml
Buprenorphine	5.901	1256	46.46	17.0	18.97	48714	1.0171 ng/ml
Bupropion	4.788	112798	1957.58	60.3	116.95	402582	9.8450 ng/ml
Carisoprodol	5.724	125693	580197.02	58.4	72.83	663878	9.5430 ng/ml
Citalopram	5.212	51091	793.14	42.8	48921.71	231482	10.1635 ng/ml
Clonazepam	5.612	147100	1443.40	31.2	900.87	173414	10.0610 ng/ml
Clonazepam	5.549	102244	57951.27	35.7	35151.72	173414	9.7980 ng/ml
Cocaine	4.264	125735	244.52	51.5	257.92	1185943	9.7216 ng/ml
Codeine	2.580	17335	96647.14	106.8	792.27	86354	10.0322 ng/ml
Cyclobenzaprine	5.615	16686	20388.20	9.2	44.11	71758	9.5136 ng/ml
Dextromethorphan	5.255	23345	71952.39	77.4	54446.36	109747	9.8277 ng/ml
Dextrophan	4.105	39667	340.01	197.2	5283.21	481899	9.9865 ng/ml
Diazepam	5.960	76061	229.05	88.9	923.70	359943	9.8402 ng/ml
Dihydrocodeine	2.559	44164	2464.34	64.1	623.63	257116	10.3265 ng/ml
Diphenhydramine	5.289	129646	3611.47	32.6	115.91	805578	9.7726 ng/ml
Doxylamine	4.543	259184	2391.51	98.9	19184.51	1172453	9.7389 ng/ml
EDDP	5.254	71543	4735.57	43.0	1405.28	391648	9.6679 ng/ml
Etizolam	5.820	75353	104076.04	24.4	31622.29	173414	9.3812 ng/ml
Fentanyl	5.109	2395	72.61	64.9	3028.61	117977	0.9376 ng/ml
Flualprazolam	5.705	60893	3622.41	93.2	31927.81	467467	10.0384 ng/ml
Fluoxetine	5.707	17328	205.17	8.3	12.16	73391	9.7511 ng/ml
Hydrocodone	3.018	60853	958.75	39.1	200.25	737342	10.0349 ng/ml
Hydromorphone	1.608	57921	57563.11	77.1	1582.69	9678	9.8768 ng/ml
Ketamine	4.051	122114	492.94	37.8	756.24	581726	9.9242 ng/ml
Lamotrigine	4.280	12755	674.66	82.1	407.16	581726	10.7336 ng/ml
Levetiracetam	2.683	66491	997.80	165.9	1040.01	1449835	9.9264 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	142088	1745.03	57.8	283.34	173414	10.3656 ng/ml
MDA	3.196	175301	691.91	25.0	188.41	452783	10.2517 ng/ml
MDMA	3.290	103908	3920.68	77.9	566.42	100933	9.8067 ng/ml
Meprobamate	4.917	79455	6572.92	28.0	90.56	365249	10.4245 ng/ml
Methadone	5.646	69941	350.06	48.5	650.73	334433	9.6114 ng/ml
Methamphetamine	3.231	131757	318.21	37.7	217.10	483418	9.8392 ng/ml
Metoprolol	4.326	27642	7636.42	94.1	648.63	1325486	9.8134 ng/ml
Mirtazapine	4.637	95256	1238.11	50.2	2511.99	621981	9.9723 ng/ml
Mitragynine	5.237	10559	25412.50	42.9	8919.21	334433	9.6533 ng/ml
Morphine	1.253	8739	3072.74	31.5	1114.68	9678	9.7203 ng/ml
Norbuprenorphine	4.986	230	112.13	74.8 <b>Low</b>	669.04	8783	1.0652 ng/ml
Nordiazepam	5.900	77743	900.69	57.4	399.23	258746	10.0887 ng/ml
Norfentanyl	4.079	24213	1508.68	34.8	25.70	1075861	0.9522 ng/ml
Norhydrocodone	3.060	9168	185.51	45.1	32.07	92022	9.3208 ng/ml
Noroxycodone	2.909	70635	1091.32	42.5	1389.88	244670	9.9352 ng/ml
O-desmethyl-tramadol	3.369	285704	7080.24	6.9	2526.63	1769453	9.7221 ng/ml
Oxazepam	5.756	165587	2366.78	74.1	733.44	665830	10.0240 ng/ml
Oxycodone	2.834	127579	772.46	27.3	739.14	582028	9.7048 ng/ml
Oxymorphone	1.405	70332	197.63	41.7	368.59	250337	10.0499 ng/ml
Phentermine	3.783	44681	115.22	4.8	25.43	537042	10.1333 ng/ml
Promethazine	5.538	38682	936.20	28.4	83.41	168349	9.8857 ng/ml
Pseudoephedrine	2.596	294877	4515.23	16.2	3558.59	1449835	9.6639 ng/ml
Quetiapine	5.562	68494	77.38	57.8	57821.02	92134	10.0649 ng/ml
Sertraline	5.776	7992	182.49	99.2	159.14	39553	9.4983 ng/ml
Temazepam	5.823	260158	365.66	29.7	401.81	1303266	9.6737 ng/ml
Tramadol	4.246	277507	6367.87	3.7	77.11	1325486	10.2036 ng/ml
Trazodone	5.190	52703	8670.00	78.9	60183.22	221252	9.6254 ng/ml
Venlafaxine	5.037	202056	16428.30	38.4	417.67	1050966	9.7854 ng/ml
Zolpidem	4.941	288668	4167.99	31.0	473.83	1435233	9.8403 ng/ml

# AM #28 Multi-Drug Quant. Results

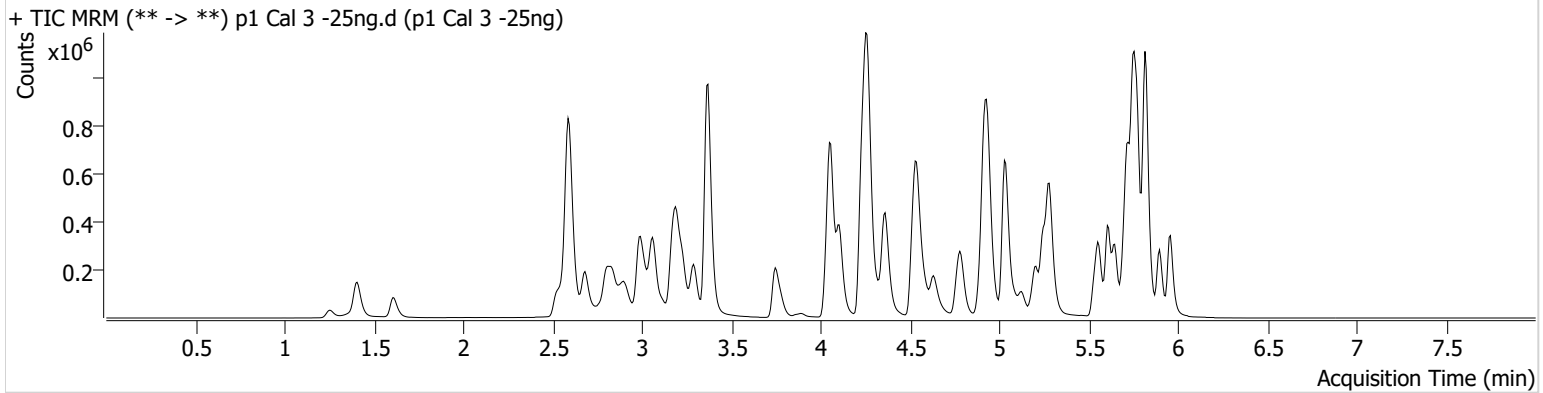
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 3 -25ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 3 -25ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/7/2021 5:27:44 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	8391	337.54	67.4	2145.64	85073	2.4535 ng/ml
7-aminoclonazepam	4.271	208689	5487.54	79.7	86814.86	319136	24.1929 ng/ml
a-hydroxyalprazolam	5.699	109192	1399.09	57.7	303.85	473420	26.7513 ng/ml
alpha-PHP	4.930	79974	47.30	265.2	2349.10	649016	25.2806 ng/ml
alpha-PVP	4.370	353367	402.98	52.7	464.10	649016	23.7918 ng/ml
Alprazolam	5.775	324518	1768.00	114.4	9900.84	473420	24.6405 ng/ml
Amphetamine	3.063	534115	4926.92	47.7	1193.99	231213	25.9980 ng/ml
Benzoylecgonine	3.892	13856	285.69	6.9	16.01	20055	23.1979 ng/ml
Buprenorphine	5.901	2985	86.70	11.8	558.68	44902	2.4336 ng/ml
Bupropion	4.788	286921	1116.36	59.8	614.18	414142	24.2636 ng/ml
Carisoprodol	5.724	324060	21267.25	54.6	1350.18	665844	23.6389 ng/ml
Citalopram	5.205	124737	160.60	42.3	86570.71	234270	24.1558 ng/ml
Clonazepam	5.612	376133	472.08	32.1	12866.75	177295	25.8328 ng/ml
Clonazepam	5.548	255429	13395.98	37.7	301097.09	177295	24.4070 ng/ml
Cocaine	4.257	325981	856.65	51.8	249.39	1223924	24.3318 ng/ml
Codeine	2.580	46002	437.23	102.1	1032.86	89957	26.7428 ng/ml
Cyclobenzaprine	5.615	40059	1332.79	8.2	69.71	70488	23.1225 ng/ml
Dextromethorphan	5.255	54963	537.30	77.1	112.32	105377	24.1948 ng/ml
Dextrophan	4.105	102129	3071.33	203.6	1116.12	499164	24.5281 ng/ml
Diazepam	5.960	193531	2026.31	88.9	2026.59	368396	24.4902 ng/ml
Dihydrocodeine	2.559	113690	1229.69	63.7	288.90	268246	26.1068 ng/ml
Diphenhydramine	5.282	313961	6273.08	32.3	2160.17	771537	24.0657 ng/ml
Doxylamine	4.536	708554	13467.03	97.8	359.86	1267455	24.4030 ng/ml
EDDP	5.248	184539	4249.61	42.8	110857.94	405943	23.7849 ng/ml
Etizolam	5.820	195195	3259.36	25.5	57565.46	177295	23.1482 ng/ml
Fentanyl	5.103	5299	326.86	70.1	103.33	108420	2.3309 ng/ml
Flualprazolam	5.705	155717	2409.87	92.0	1372.27	473420	25.8026 ng/ml
Fluoxetine	5.707	44219	73643.24	9.0	282.60	73470	25.1221 ng/ml
Hydrocodone	3.018	163712	629.43	38.9	145.93	796082	25.8530 ng/ml
Hydromorphone	1.608	147951	947610.38	76.9	720484.49	9719	25.2886 ng/ml
Ketamine	4.051	321485	7786.57	37.9	688.74	617822	25.0164 ng/ml
Lamotrigine	4.273	31231	1350.52	84.6	3495.41	617822	25.0287 ng/ml
Levetiracetam	2.683	165561	2542.51	169.1	625.65	1518184	23.0703 ng/ml



SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	347257	4529.15	55.5	360.91	177295	25.7916 ng/ml
MDA	3.196	449579	2390.64	24.5	559.07	474036	26.0686 ng/ml
MDMA	3.290	268425	3174.72	76.8	1889.09	103107	24.7127 ng/ml
Meprobamate	4.917	188191	26300.13	28.3	∞	358233	26.4265 ng/ml
Methadone	5.646	167852	525.08	46.7	1588.02	315118	24.0625 ng/ml
Methamphetamine	3.231	310508	1092.91	37.1	2460.82	503247	25.1586 ng/ml
Metoprolol	4.319	73219	1034.57	89.8	1152.34	1424983	24.9503 ng/ml
Mirtazapine	4.631	230071	2528.09	51.3	3718.37	649016	21.2879 ng/ml
Mitragynine	5.237	26423	450.56	38.9	15933.79	315118	25.0813 ng/ml
Morphine	1.261	22162	309.44	31.2	1027.82	9719	25.0575 ng/ml
Norbuprenorphine	4.986	473	1433.08	92.5	709.31	8615	2.4248 ng/ml
Nordiazepam	5.900	195106	443.09	57.2	643.06	267662	24.6008 ng/ml
Norfentanyl	4.079	65498	3495.81	35.4	24.39	1160993	2.2940 ng/ml
Norhydrocodone	3.059	24739	117.18	39.3	61.08	95517	23.3223 ng/ml
Noroxycodone	2.909	182043	1427.55	41.6	451.98	257393	24.4755 ng/ml
O-desmethyl-tramadol	3.369	735305	27313.72	6.9	1408.73	1827559	23.8794 ng/ml
Oxazepam	5.756	401711	434.81	76.3	339.00	665293	24.8265 ng/ml
Oxycodone	2.834	338830	1591.62	27.3	516.09	609949	24.7069 ng/ml
Oxymorphone	1.405	172279	541.60	41.9	∞	259798	23.9794 ng/ml
Phentermine	3.783	114880	1102.95	4.7	126.92	556380	26.0868 ng/ml
Promethazine	5.532	90623	624.70	27.9	143.18	157363	24.2499 ng/ml
Pseudoephedrine	2.596	774646	11892.27	16.3	7604.65	1518184	23.5695 ng/ml
Quetiapine	5.562	162734	6651.79	59.5	138937.06	91513	23.5558 ng/ml
Sertraline	5.776	19592	196.98	101.9	200.32	40224	23.0342 ng/ml
Temazepam	5.823	646226	7294.76	29.7	151.81	1287114	23.7545 ng/ml
Tramadol	4.246	707016	30541.79	3.6	342.92	1424983	24.5817 ng/ml
Trazodone	5.183	127407	209832.13	78.9	37885.80	213848	24.7646 ng/ml
Venlafaxine	5.037	513854	16192.78	39.0	317.24	1070043	23.9252 ng/ml
Zolpidem	4.941	753466	818.31	31.8	3722.42	1493982	24.9635 ng/ml

# AM #28 Multi-Drug Quant. Results

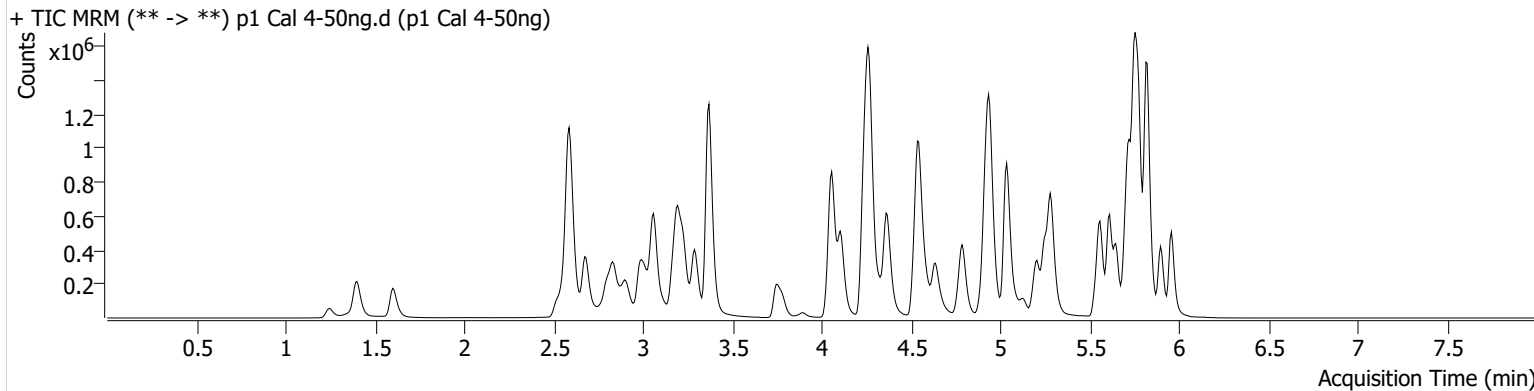
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 4-50ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 4-50ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-D1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/7/2021 5:38:19 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	16379	1240.75	69.1	1590.59	80407	5.0086 ng/ml
7-aminoclonazepam	4.271	414917	8282.12	81.3	9275.46	289805	53.0552 ng/ml
a-hydroxyalprazolam	5.699	209842	508.21	58.8	1924.36	454135	54.4066 ng/ml
alpha-PHP	4.937	156332	665.15	267.9	2001.67	597506	54.3435 ng/ml
alpha-PVP	4.370	701015	3069.91	52.2	8890.02	597506	50.9852 ng/ml
Alprazolam	5.775	651824	∞	113.2	2889.99	454135	51.2403 ng/ml
Amphetamine	3.063	1066457	9562.13	48.3	4267.02	220672	55.3652 ng/ml
Benzoylecgonine	3.892	28692	950.01	7.5	498.50	19970	48.1201 ng/ml
Buprenorphine	5.901	5588	154.12	13.5	1563.42	40398	4.9345 ng/ml
Bupropion	4.788	566597	36615.41	60.6	962.98	382063	51.8755 ng/ml
Carisoprodol	5.730	627291	429.84	56.1	3659.71	607524	49.5143 ng/ml
Citalopram	5.212	240471	305.55	43.1	695.38	216269	50.1647 ng/ml
Clonazepam	5.612	745573	25665.77	32.1	1087.66	164558	55.6760 ng/ml
Clonazepam	5.548	531597	391256.13	36.1	432513.13	164558	55.1275 ng/ml
Cocaine	4.264	644618	771.90	51.3	395.67	1149773	51.1524 ng/ml
Codeine	2.573	90012	383.02	102.5	45427.22	86061	55.4982 ng/ml
Cyclobenzaprine	5.615	74691	546.93	9.3	162.52	57323	52.8993 ng/ml
Dextromethorphan	5.255	107817	3705.19	79.2	930.89	94329	53.0999 ng/ml
Dextrophan	4.111	200948	4409.49	203.7	3149.38	462244	51.8931 ng/ml
Diazepam	5.960	388156	507.07	88.5	13943.42	341515	53.0062 ng/ml
Dihydrocodeine	2.552	226949	994.94	65.4	3103.76	257132	54.8298 ng/ml
Diphenhydramine	5.289	615895	689.54	33.8	3797.12	711606	50.7101 ng/ml
Doxylamine	4.543	1401635	2621.73	99.8	24626.02	1202865	50.7053 ng/ml
EDDP	5.254	323366	1274.92	43.7	10854.05	338283	49.8108 ng/ml
Etizolam	5.820	381965	2603.90	26.2	186673.08	164558	48.3544 ng/ml
Fentanyl	5.109	10034	2379.26	67.5	4051.19	97574	4.9626 ng/ml
Flualprazolam	5.705	308507	538.62	94.3	3648.15	454135	53.6087 ng/ml
Fluoxetine	5.707	66641	575.54	8.2	48.72	53358	52.3160 ng/ml
Hydrocodone	3.012	322640	912.33	38.5	939.69	753905	54.4156 ng/ml
Hydromorphone	1.601	308876	7137.56	75.6	135977.14	9299	55.3064 ng/ml
Ketamine	4.059	635185	830.60	37.6	752.06	568805	54.0086 ng/ml
Lamotrigine	4.280	62846	2955.75	77.4	118.26	568805	54.9627 ng/ml
Levetiracetam	2.676	339573	1578.88	165.4	5993.96	1422853	50.0279 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	657013	14743.52	55.2	375.12	164558	53.3317 ng/ml
MDA	3.196	880108	1621.37	24.8	830.44	435705	56.2670 ng/ml
MDMA	3.290	530430	12663.95	78.1	4637.39	97243	51.7172 ng/ml
Meprobamate	4.917	369963	61799.68	28.5	208.65	343415	55.1233 ng/ml
Methadone	5.653	323675	547.94	46.2	3253.51	289095	50.2795 ng/ml
Methamphetamine	3.231	619850	4027.22	38.4	4220.46	488248	54.1794 ng/ml
Metoprolol	4.326	146908	472591.94	91.6	1705.67	1343918	53.6744 ng/ml
Mirtazapine	4.637	463836	3783.70	50.5	2421.76	597506	44.9931 ng/ml
Mitragynine	5.237	48348	3262.34	39.2	5087.72	289095	49.6918 ng/ml
Morphine	1.247	45955	10820.37	31.0	92.41	9299	54.6968 ng/ml
Norbuprenorphine	4.986	907	35.04	111.5	1197.67	7523	5.5421 ng/ml
Nordiazepam	5.900	390659	1339.58	56.7	5925.02	245968	53.7057 ng/ml
Norfentanyl	4.086	133030	2998.85	33.7	20.86	1080413	4.9338 ng/ml
Norhydrocodone	3.059	46942	86.62	41.5	131.40	84567	49.3347 ng/ml
Noroxycodone	2.903	365468	4486.29	41.7	814.16	237641	53.3311 ng/ml
O-desmethyl-tramadol	3.369	1522213	30970.67	6.8	4421.87	1735838	51.7729 ng/ml
Oxazepam	5.756	772340	392.92	74.1	397.48	576456	55.5053 ng/ml
Oxycodone	2.834	698195	1286.37	27.0	952.81	580639	53.5664 ng/ml
Oxymorphone	1.398	347737	∞	43.4	613.62	238298	52.9966 ng/ml
Phentermine	3.783	232106	404.64	4.6	179.00	526020	56.4686 ng/ml
Promethazine	5.532	159001	1049.90	27.6	120.04	129275	51.3946 ng/ml
Pseudoephedrine	2.596	1563821	31864.24	16.3	19833.39	1422853	50.2529 ng/ml
Quetiapine	5.562	342509	29058.09	57.9	11479.95	84987	52.9128 ng/ml
Sertraline	5.776	30790	594.05	97.2	1913.94	26880	54.3017 ng/ml
Temazepam	5.823	1251402	2693.66	29.8	2756.96	1183231	49.6179 ng/ml
Tramadol	4.246	1427625	24031.13	3.6	993.04	1343918	52.9639 ng/ml
Trazodone	5.190	264558	1651.63	78.1	107199.19	208565	53.2451 ng/ml
Venlafaxine	5.037	1039758	1995.13	38.5	2426.09	1016322	50.5806 ng/ml
Zolpidem	4.941	1504277	3648.18	31.5	28212.17	1397921	53.4812 ng/ml

# AM #28 Multi-Drug Quant. Results

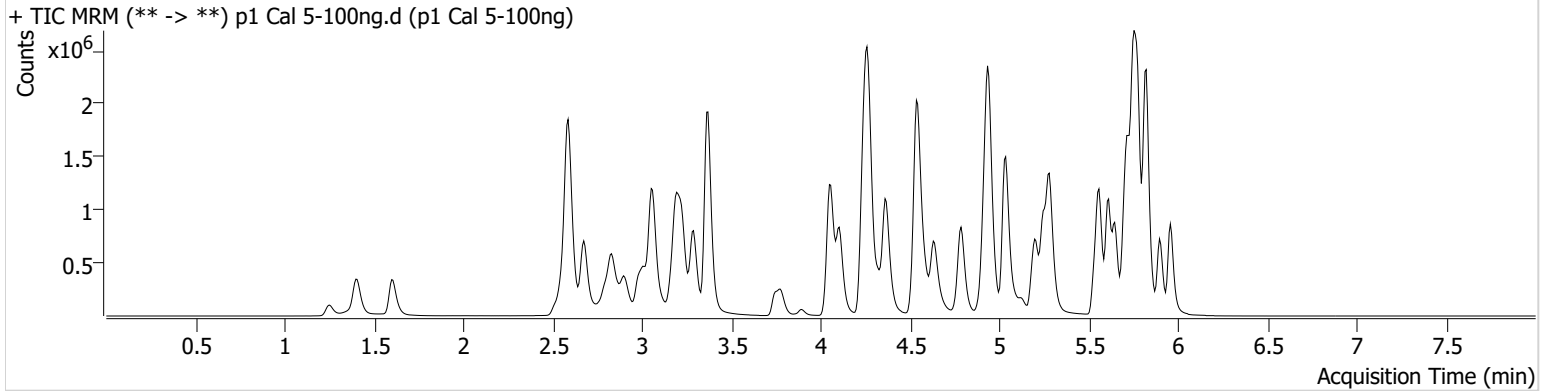
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**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-E1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/7/2021 5:48:55 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	35026	4208.46	68.8	24103.52	84606	10.1225 ng/ml
7-aminoclonazepam	4.271	806395	40583.34	78.5	9143.29	292020	102.3989 ng/ml
a-hydroxyalprazolam	5.699	386894	2586.32	56.6	972.21	460923	99.4968 ng/ml
alpha-PHP	4.930	329807	3279.57	268.8	34319.69	663119	103.8359 ng/ml
alpha-PVP	4.370	1503481	4631.01	52.2	791.22	663119	98.3017 ng/ml
Alprazolam	5.775	1287656	1512.39	113.2	∞	460923	99.4263 ng/ml
Amphetamine	3.063	2219687	2665.37	48.7	2424.95	243662	105.1531 ng/ml
Benzoylecgonine	3.892	62701	661.84	7.7	213.28	21150	99.1693 ng/ml
Buprenorphine	5.901	14822	483.84	15.8	3625.82	53849	9.7011 ng/ml
Bupropion	4.788	1252835	18854.31	59.8	1224.46	437601	100.0968 ng/ml
Carisoprodol	5.724	1172512	1201470.16	54.8	2806.53	568782	98.2885 ng/ml
Citalopram	5.205	571291	14416.19	42.2	331.57	258025	99.6359 ng/ml
Clonazepam	5.612	1408497	5747.39	32.2	857.22	165483	104.9844 ng/ml
Clonazepam	5.548	1030492	69216.79	37.3	673609.72	165483	106.5653 ng/ml
Cocaine	4.257	1314814	752.37	51.0	21219.00	1203422	99.6267 ng/ml
Codeine	2.573	175329	8800.66	101.5	214.55	89004	105.2031 ng/ml
Cyclobenzaprine	5.615	243397	475.76	8.9	515.43	99532	99.2024 ng/ml
Dextromethorphan	5.255	254544	321.84	81.3	11094.65	119335	99.1505 ng/ml
Dextrophan	4.105	426632	864.15	204.8	1101.63	512844	99.1227 ng/ml
Diazepam	5.960	792102	4988.07	88.2	5768.87	370998	99.5884 ng/ml
Dihydrocodeine	2.552	464793	26926.82	64.6	1624.90	278337	104.1177 ng/ml
Diphenhydramine	5.282	1434488	43046.03	32.5	6467.74	861594	97.1590 ng/ml
Doxylamine	4.543	3062582	76473.04	99.5	89777.29	1335550	99.6416 ng/ml
EDDP	5.248	859690	308.56	41.6	10905.05	444873	100.5082 ng/ml
Etizolam	5.820	758464	2226.68	26.0	536197.00	165483	95.0858 ng/ml
Fentanyl	5.109	31547	118.70	67.4	4015.28	149182	10.2607 ng/ml
Flualprazolam	5.705	605539	10520.94	96.4	12444.82	460923	103.9523 ng/ml
Fluoxetine	5.707	229017	28434.20	9.0	367.07	97534	98.5081 ng/ml
Hydrocodone	3.012	670137	∞	38.4	351.09	802333	106.7428 ng/ml
Hydromorphone	1.601	618844	8565.55	76.7	1717778.66	10011	103.0205 ng/ml
Ketamine	4.051	1306610	14644.41	37.8	1242.85	621457	101.9340 ng/ml
Lamotrigine	4.280	123492	1953.56	79.8	2210.30	621457	99.0233 ng/ml
Levetiracetam	2.676	685327	1012.35	164.2	12877.07	1519987	94.1701 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1097814	4723.65	57.2	2787.19	165483	89.0968 ng/ml
MDA	3.196	1773060	6981.24	24.3	2705.64	459530	108.0781 ng/ml
MDMA	3.290	1126809	6350.89	77.8	4148.73	107462	99.3642 ng/ml
Meprobamate	4.917	666727	31093.68	27.3	22153.98	343002	100.1716 ng/ml
Methadone	5.646	825176	∞	47.7	741.82	373149	99.0453 ng/ml
Methamphetamine	3.231	1368849	924.95	38.0	1240.15	573187	103.9282 ng/ml
Metoprolol	4.326	307210	14499.71	90.1	2939.75	1443719	104.9817 ng/ml
Mirtazapine	4.637	1064627	4795.55	50.5	3056.97	663119	91.5948 ng/ml
Mitragynine	5.237	131927	601.92	40.4	1503.11	373149	104.6770 ng/ml
Morphine	1.253	90992	459.14	31.6	8322.33	10011	100.8799 ng/ml
Norbuprenorphine	4.986	1883	2361.20	114.0	7982.06	9571	9.1550 ng/ml
Nordiazepam	5.900	792193	15999.50	57.3	1294.77	259945	103.1310 ng/ml
Norfentanyl	4.079	278752	180.65	33.7	565.10	1177238	9.4312 ng/ml
Norhydrocodone	3.053	88421	567.02	41.6	137.55	80726	96.7953 ng/ml
Noroxycodone	2.903	707191	3337.27	42.6	785.70	241749	101.5282 ng/ml
O-desmethyl-tramadol	3.369	3148912	28565.57	6.7	6276.93	1849451	100.3017 ng/ml
Oxazepam	5.756	1391555	750.96	73.8	6735.71	545783	105.9356 ng/ml
Oxycodone	2.827	1464128	4238.78	26.5	753.78	632422	103.1996 ng/ml
Oxymorphone	1.405	708052	1231.67	41.6	∞	252174	102.1480 ng/ml
Phentermine	3.783	488447	2308.99	4.5	119.42	578800	108.5747 ng/ml
Promethazine	5.532	527260	24952.95	28.1	2895.40	222715	98.6020 ng/ml
Pseudoephedrine	2.589	3270633	53210.05	16.3	30466.11	1519987	97.9561 ng/ml
Quetiapine	5.562	795410	127225.12	58.0	642526.57	106133	98.0768 ng/ml
Sertraline	5.776	110009	1274.27	100.9	344.54	53198	98.1116 ng/ml
Temazepam	5.823	2388305	28221.23	28.8	1296.10	1121099	99.5582 ng/ml
Tramadol	4.246	2978892	52701.88	3.6	259.72	1443719	103.1510 ng/ml
Trazodone	5.190	661885	607641.71	79.2	4925.34	268112	104.0604 ng/ml
Venlafaxine	5.037	2187932	39342.75	38.6	3952.94	1096282	98.3441 ng/ml
Zolpidem	4.941	3201838	175110.26	30.9	11420.36	1546619	103.0667 ng/ml

# AM #28 Multi-Drug Quant. Results

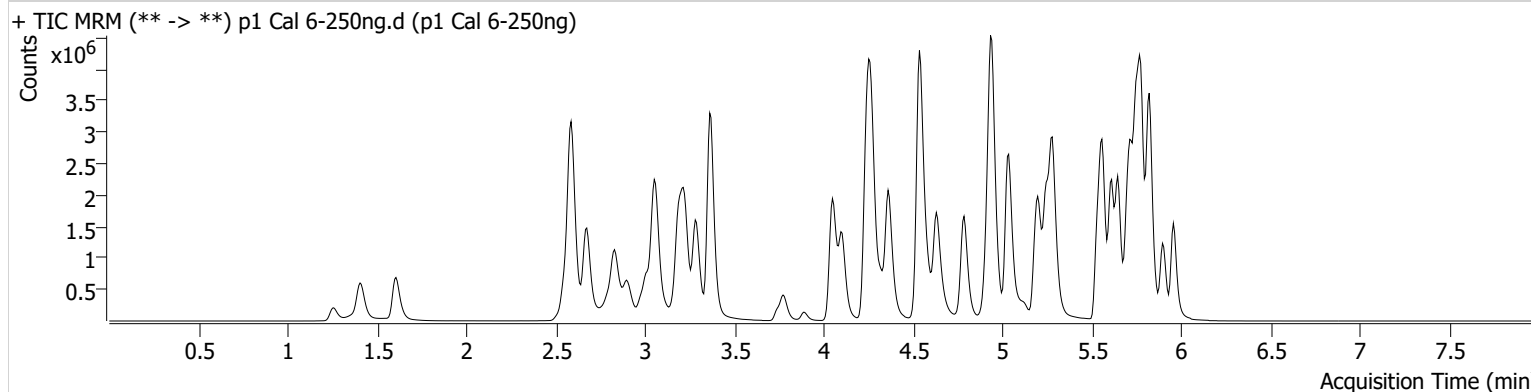
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**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 6-250ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 6-250ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-F1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/7/2021 5:59:31 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	76898	1825.54	71.7	1463.26	75960	24.6730 ng/ml
7-aminoclonazepam	4.271	1537192	24260.39	79.7	23532.29	235464	242.1812 ng/ml
a-hydroxyalprazolam	5.692	624648	2004.05	59.5	1322.73	359289	206.9495 ng/ml
alpha-PHP	4.930	658398	500.18	267.0	1233.70	558866	246.7674 ng/ml
alpha-PVP	4.363	3214684	78140.72	51.7	16172.95	558866	249.0176 ng/ml
Alprazolam	5.775	2571540	1375.32	114.2	∞	359289	254.2243 ng/ml
Amphetamine	3.056	4411420	1698.43	48.6	18086.31	214845	238.1327 ng/ml
Benzoylecgonine	3.892	153096	338.00	7.5	138.43	21163	241.8202 ng/ml
Buprenorphine	5.901	39963	3694.40	14.3	9699.33	58302	23.9793 ng/ml
Bupropion	4.788	2672590	83644.21	60.2	1222.61	382022	244.5170 ng/ml
Carisoprodol	5.730	2027640	1995231.47	55.9	∞	400447	240.5953 ng/ml
Citalopram	5.205	1548241	1691.83	42.1	14277.03	279360	249.0130 ng/ml
Clonazepam	5.612	2656684	3698.72	31.1	31755.90	131132	250.5080 ng/ml
Clonazepam	5.548	1991659	112966.72	36.9	827772.60	131132	260.3776 ng/ml
Cocaine	4.257	2675912	48092.30	51.2	57504.34	996510	244.7737 ng/ml
Codeine	2.566	332227	2659.73	100.3	1170.40	75334	236.4706 ng/ml
Cyclobenzaprine	5.615	1094240	32535.15	9.3	370.01	175349	253.0141 ng/ml
Dextromethorphan	5.255	767070	142308.98	81.0	379.24	145775	244.6959 ng/ml
Dextrophan	4.105	866882	1505.05	209.1	4937.72	421899	244.5336 ng/ml
Diazepam	5.960	1631675	10005.94	89.0	898.79	307420	247.5991 ng/ml
Dihydrocodeine	2.545	966565	853.32	65.6	69658.30	249051	242.5454 ng/ml
Diphenhydramine	5.282	3850360	∞	32.6	21318.08	907333	246.9886 ng/ml
Doxylamine	4.536	6882805	2821.51	98.4	3666.08	1165751	256.3183 ng/ml
EDDP	5.248	2001371	13737.49	42.1	488.03	423119	245.7474 ng/ml
Etizolam	5.820	1556632	5807.46	25.6	326824.12	131132	245.6253 ng/ml
Fentanyl	5.109	117373	170.04	69.8	15711.84	224202	25.4799 ng/ml
Flualprazolam	5.705	1152280	12000.76	99.4	14297.07	359289	254.1969 ng/ml
Fluoxetine	5.707	929491	37894.91	8.9	198047.23	154647	252.4193 ng/ml
Hydrocodone	3.012	1382062	∞	38.7	1754.30	714147	248.0748 ng/ml
Hydromorphone	1.608	1289870	5051.62	76.1	10187.67	8813	244.0587 ng/ml
Ketamine	4.051	2837451	24367.59	37.7	∞	554461	248.5118 ng/ml
Lamotrigine	4.273	244476	3946.23	80.1	15691.37	554461	219.9876 ng/ml
Levetiracetam	2.676	1501065	6032.04	165.4	3084.27	1253968	249.3750 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1511016	11404.75	56.6	2110.80	131132	155.2923 ng/ml
MDA	3.196	3254310	39935.14	24.1	3925.64	364359	251.0494 ng/ml
MDMA	3.283	2338306	96047.56	77.1	2713.63	88921	249.1051 ng/ml
Meprobamate	4.917	1204981	9675.98	27.5	4403.87	298478	208.9998 ng/ml
Methadone	5.646	2607384	1362.18	47.6	1405.20	470027	248.0495 ng/ml
Methamphetamine	3.224	2998298	52675.61	38.0	12018.03	523339	252.5184 ng/ml
Metoprolol	4.326	614543	39120.93	91.3	5106.03	1199510	253.5017 ng/ml
Mirtazapine	4.631	2768151	133136.00	50.8	249191.95	558866	279.7364 ng/ml
Mitragynine	5.237	433897	328693.68	38.3	145287.10	470027	272.7759 ng/ml
Morphine	1.261	197092	559.12	32.3	4562.04	8813	248.6965 ng/ml
Norbuprenorphine	4.986	5015	293.56	101.6	6665.55	10054	23.4867 ng/ml
Nordiazepam	5.900	1545741	2811.46	56.8	1380.92	210396	248.7460 ng/ml
Norfentanyl	4.079	581438	1908.87	34.3	3116.51	954486	24.1663 ng/ml
Norhydrocodone	3.053	167678	135.85	42.4	439.24	60617	243.5839 ng/ml
Noroxycodone	2.903	1337264	6577.28	41.4	940.13	191447	242.5576 ng/ml
O-desmethyl-tramadol	3.369	6796102	103819.34	6.6	984.10	1576903	253.5343 ng/ml
Oxazepam	5.756	2153859	16239.33	74.3	27021.36	357281	250.9441 ng/ml
Oxycodone	2.827	3155073	4537.21	26.8	2160.36	560459	251.0456 ng/ml
Oxymorphone	1.405	1448152	∞	41.0	∞	206692	255.1756 ng/ml
Phentermine	3.776	980968	∞	4.3	837.09	492011	257.3821 ng/ml
Promethazine	5.532	2343707	13405.66	28.3	9144.94	395427	246.3328 ng/ml
Pseudoephedrine	2.589	6790793	68752.45	16.0	67473.32	1253968	245.8538 ng/ml
Quetiapine	5.562	2230167	38066.33	58.5	43815.66	119949	242.7612 ng/ml
Sertraline	5.776	468138	9333.38	99.3	653.89	91249	243.5502 ng/ml
Temazepam	5.823	4257446	1031.23	28.5	729.53	789298	251.4976 ng/ml
Tramadol	4.239	6057855	5277.56	3.6	593.54	1199510	252.8972 ng/ml
Trazodone	5.190	2106656	148656.55	80.3	138032.89	358653	248.2274 ng/ml
Venlafaxine	5.037	4619057	1348.62	38.2	25857.37	920084	246.8563 ng/ml
Zolpidem	4.941	7239682	450793.63	30.3	74094.60	1394425	258.7689 ng/ml

# AM #28 Multi-Drug Quant. Results

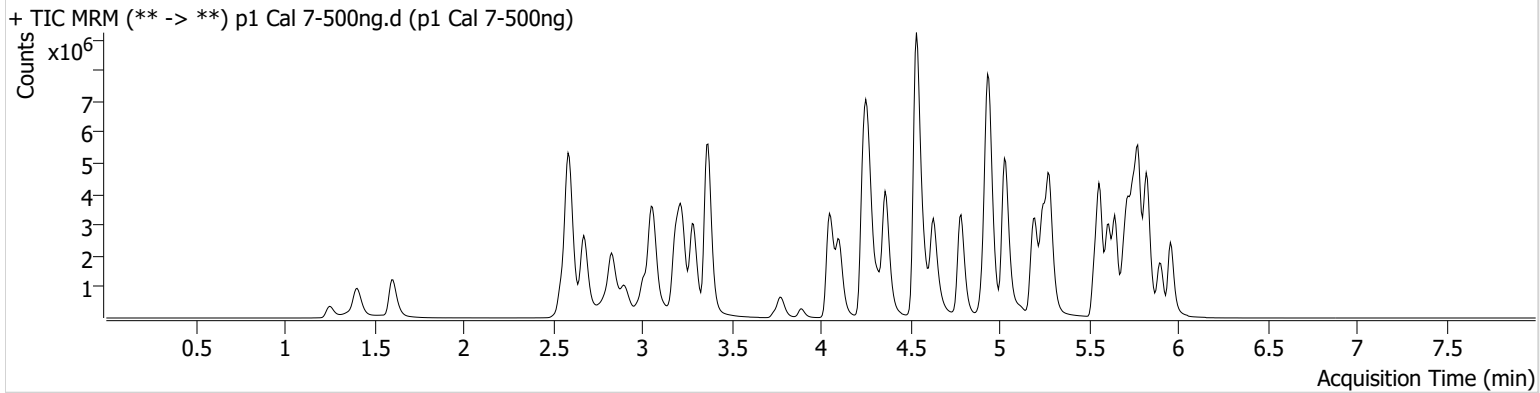
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/7/2021 6:10:08 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	167553	1946.52	70.0	228863.20	79900	51.0501 ng/ml
7-aminoclonazepam	4.271	2209727	28516.22	79.3	24475.43	160465	510.9325 ng/ml
a-hydroxyalprazolam	5.692	842110	1385.56	57.2	1008.73	315225	318.4295 ng/ml
alpha-PHP	4.930	1192019	8183.95	272.9	7647.84	578457	432.0816 ng/ml
alpha-PVP	4.363	6796737	180586.09	51.9	78825.27	578457	508.4073 ng/ml
Alprazolam	5.775	4428149	5745.86	113.9	795.66	315225	498.6510 ng/ml
Amphetamine	3.063	7551977	37057.70	47.8	27756.30	203457	431.2022 ng/ml
Benzoylcegonine	3.892	335023	15366.51	8.2	605.11	22632	494.7082 ng/ml
Buprenorphine	5.901	55834	5647.45	14.0	16064.50	39666	49.1165 ng/ml
Bupropion	4.788	5628254	1355.73	59.8	673.05	394808	498.1998 ng/ml
Carisoprodol	5.730	3132708	74266.16	53.3	11607.60	281237	528.6019 ng/ml
Citalopram	5.205	2449922	1596.70	42.7	24647.12	221385	496.9690 ng/ml
Clonazepam	5.612	4191464	15778.20	31.6	349.21	109139	475.2729 ng/ml
Clonazepam	5.549	3084567	86662.51	37.6	9149.89	109139	484.7988 ng/ml
Cocaine	4.257	5307418	113900.56	50.6	50696.73	955354	506.3362 ng/ml
Codeine	2.566	560699	524.29	98.2	212.43	71201	422.8596 ng/ml
Cyclobenzaprine	5.615	1171709	112748.56	9.0	327.64	96113	494.1933 ng/ml
Dextromethorphan	5.255	1106595	5204.26	80.2	20279.24	104159	494.1141 ng/ml
Dextrophan	4.105	1711610	1769.47	208.6	∞	409750	496.9295 ng/ml
Diazepam	5.960	2898696	25935.22	86.7	5681.46	274745	492.1937 ng/ml
Dihydrocodeine	2.545	1816036	2366.51	65.4	1270.45	267271	424.9610 ng/ml
Diphenhydramine	5.282	6633864	58960.60	32.2	913.45	756114	510.1971 ng/ml
Doxylamine	4.536	15417946	2979.33	96.4	8511.24	1294479	516.9224 ng/ml
EDDP	5.248	4052626	116885.32	42.2	281.69	416879	504.8739 ng/ml
Etizolam	5.820	2769513	4303.92	25.2	4854.11	109139	524.6137 ng/ml
Fentanyl	5.103	153924	304.03	68.5	322405.23	147992	50.6737 ng/ml
Flualprazolam	5.705	1917691	20560.16	99.7	12607.81	315225	482.4514 ng/ml
Fluoxetine	5.707	688037	44195.63	8.9	150192.06	58088	497.6091 ng/ml
Hydrocodone	3.012	2714476	656.68	39.2	247.39	734437	474.2945 ng/ml
Hydromorphone	1.608	2458182	4575.53	76.8	1004.93	8450	485.2423 ng/ml
Ketamine	4.051	5867515	44405.78	36.7	13743.11	582106	489.7606 ng/ml
Lamotrigine	4.280	388832	8890.76	80.2	1616.84	582106	333.3791 ng/ml
Levetiracetam	2.676	2716520	16723.02	167.4	3807.38	1141604	495.3386 ng/ml



SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1648891	22361.49	57.6	1422.02	109139	203.8386 ng/ml
MDA	3.196	5538290	5419.50	23.8	2809.16	341368	456.5573 ng/ml
MDMA	3.290	4684310	198793.02	77.2	6910.94	89578	495.3162 ng/ml
Meprobamate	4.911	1672996	55419.82	27.4	26994.90	276585	313.5855 ng/ml
Methadone	5.646	3942765	3261.35	46.3	32707.93	352547	499.8065 ng/ml
Methamphetamine	3.224	5561016	91813.76	36.8	1970.03	503950	488.4848 ng/ml
Metoprolol	4.326	1197630	1562.98	90.8	40644.26	1215865	487.8682 ng/ml
Mirtazapine	4.631	5123883	100380.44	49.6	5785.05	578457	499.1835 ng/ml
Mitragynine	5.230	553334	3552.75	39.9	4177.40	352547	463.5465 ng/ml
Morphine	1.253	373299	8237.29	32.3	10723.80	8450	491.6400 ng/ml
Norbuprenorphine	4.979	8315	2984.70	94.5	73.24	7457	52.7196 ng/ml
Nordiazepam	5.906	2466793	∞	57.5	∞	173803	480.6254 ng/ml
Norfentanyl	4.079	1172621	38194.56	34.7	5809.22	894386	51.9417 ng/ml
Norhydrocodone	3.053	331123	294.89	42.1	209.71	56072	519.3685 ng/ml
Noroxycodone	2.903	2221070	937.17	42.5	8763.75	160177	481.6051 ng/ml
O-desmethyl-tramadol	3.369	13479805	320812.83	6.7	23127.49	1565151	506.4198 ng/ml
Oxazepam	5.756	2402267	18563.10	74.0	5302.36	216211	462.7913 ng/ml
Oxycodone	2.827	6374694	∞	26.8	995.34	584988	486.0272 ng/ml
Oxymorphone	1.405	2649558	∞	40.7	∞	196703	490.7582 ng/ml
Phentermine	3.783	1812627	∞	4.3	166.51	513718	455.9808 ng/ml
Promethazine	5.532	2492588	62566.59	28.1	4455.47	208136	497.3670 ng/ml
Pseudoephedrine	2.596	13045460	192077.90	15.9	134586.24	1141604	518.2880 ng/ml
Quetiapine	5.562	3985023	12931.92	57.1	58535.93	104267	498.6290 ng/ml
Sertraline	5.776	360644	9693.14	98.3	238.19	33303	514.2036 ng/ml
Temazepam	5.830	5852199	733604.34	28.5	6598.01	547286	498.2020 ng/ml
Tramadol	4.239	12029599	∞	3.5	981.63	1215865	495.7247 ng/ml
Trazodone	5.183	3618582	96308.19	80.2	55348.43	308136	496.7394 ng/ml
Venlafaxine	5.030	9837726	1397.12	37.8	876.52	947752	510.0405 ng/ml
Zolpidem	4.941	14104339	1601.09	30.1	15018.57	1401053	501.9282 ng/ml

# AM #28 Multi-Drug Quant. Results

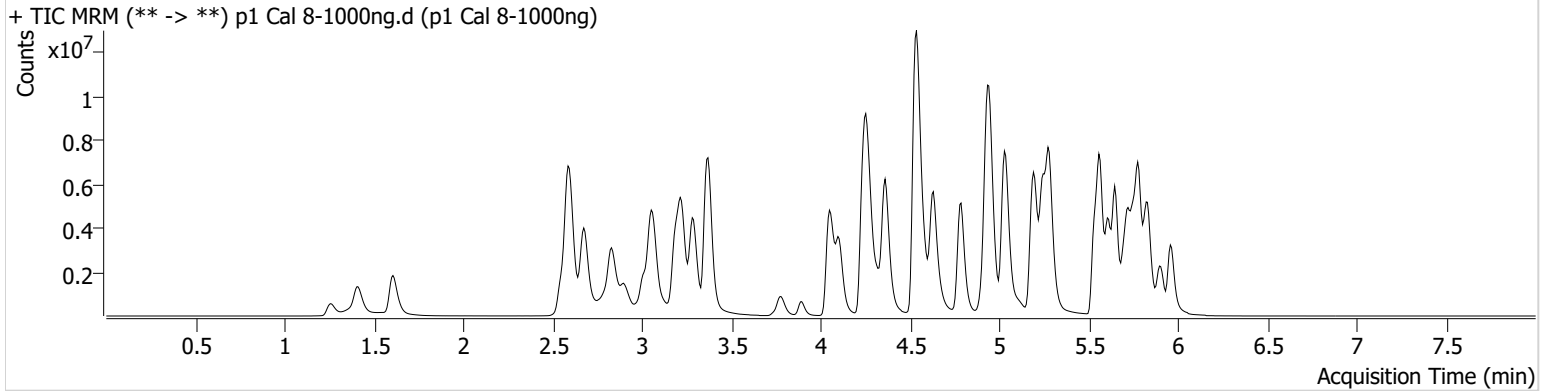
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\040721 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/9/2021 9:55:03 AM

<b>Instrument</b>	Instrument 1	<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-H1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	4/7/2021 6:20:50 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	278956	13860.74	70.0	6085.66	67710	100.2405 ng/ml
7-aminoclonazepam	4.278	2477289	259.21	85.1	12009.91	97252	945.1790 ng/ml
a-hydroxyalprazolam	5.685	951205	730.54	59.0	457.66	221258	512.9317 ng/ml
alpha-PHP	4.923	1664562	62944.20	273.9	140858.19	457656	763.0846 ng/ml
alpha-PVP	4.363	10939207	285290.22	52.1	373930.12	457656	1034.0062 ng/ml
Alprazolam	5.775	6159640	∞	110.7	1824.39	221258	987.8984 ng/ml
Amphetamine	3.063	10525252	17824.80	47.7	14829.61	160393	763.0117 ng/ml
Benzoylcegonine	3.892	764236	39576.67	7.6	166532.20	22101	1155.5016 ng/ml
Buprenorphine	5.901	104130	728260.33	13.9	27373.56	32663	111.0926 ng/ml
Bupropion	4.788	8916107	1472.09	59.4	50633.02	304931	1021.7989 ng/ml
Carisoprodol	5.730	3737352	9847329.32	56.3	8003.36	165353	1072.0013 ng/ml
Citalopram	5.205	4046639	21800.08	42.2	793.00	176498	1029.3526 ng/ml
Clonazepam	5.612	5114754	48344.49	31.2	18424.75	73031	867.0820 ng/ml
Clonazepam	5.548	3673805	262153.85	37.8	146447.32	73031	863.1451 ng/ml
Cocaine	4.257	7777831	1349.31	50.5	1132.87	690765	1026.1763 ng/ml
Codeine	2.566	750407	3190.42	98.3	927.01	53686	751.1600 ng/ml
Cyclobenzaprine	5.615	2915580	78650.84	9.0	408.83	113671	1039.6713 ng/ml
Dextromethorphan	5.255	1899096	935.79	80.3	698.67	86667	1019.1956 ng/ml
Dextrophan	4.105	2516088	92651.23	208.1	2731.75	294073	1017.6325 ng/ml
Diazepam	5.960	4257552	15113.75	87.2	23437.43	198830	998.9633 ng/ml
Dihydrocodeine	2.545	2752876	1505.37	64.6	15597.93	229235	751.4020 ng/ml
Diphenhydramine	5.282	11160748	333329.03	32.5	1196.84	619422	1047.3248 ng/ml
Doxylamine	4.544	23840741	141592.65	97.5	221791.45	1072733	964.4159 ng/ml
EDDP	5.248	7897744	1288.22	41.3	31255.06	386367	1061.3933 ng/ml
Etizolam	5.820	4013232	5259.77	25.5	3200.34	73031	1135.5965 ng/ml
Fentanyl	5.103	345359	10405.92	68.6	419.33	162610	103.5301 ng/ml
Flualprazolam	5.705	2475767	2004.76	103.2	29766.74	221258	887.6249 ng/ml
Fluoxetine	5.707	1466663	200.82	8.8	4782.57	63132	976.1527 ng/ml
Hydrocodone	3.012	4201406	∞	39.3	∞	609349	885.2924 ng/ml
Hydromorphone	1.608	3849686	1997224.34	76.7	1398362.45	6944	924.8475 ng/ml
Ketamine	4.051	9431554	357293.07	36.5	28408.18	488408	938.5372 ng/ml
Lamotrigine	4.280	508538	3385.90	80.7	636.04	488408	519.7813 ng/ml
Levetiracetam	2.676	4316869	3966.95	166.2	48547.60	793022	1132.6542 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1692452	485627.67	57.8	6651.39	73031	313.0580 ng/ml
MDA	3.189	7355783	3496.65	23.1	2817.59	245192	844.7968 ng/ml
MDMA	3.283	6964499	17536.89	78.6	8611.12	65517	1006.8047 ng/ml
Meprobamate	4.911	1970193	218180.67	28.8	18142.74	225504	453.3361 ng/ml
Methadone	5.646	7638528	57762.76	46.9	46321.93	321409	1061.8071 ng/ml
Methamphetamine	3.224	9052378	7730.70	36.6	79063.81	444791	902.8580 ng/ml
Metoprolol	4.319	1701435	98637.01	90.6	7872.21	929293	907.2860 ng/ml
Mirtazapine	4.631	9565942	153448.15	48.8	56107.59	457656	1176.0776 ng/ml
Mitragynine	5.230	1043536	2875.18	39.0	7521.26	321409	958.5397 ng/ml
Morphine	1.261	586711	558.58	32.2	285.43	6944	940.6115 ng/ml
Norbuprenorphine	4.979	13726	176.76	97.9	5504.40	6421	101.2277 ng/ml
Nordiazepam	5.906	3396079	653.24	56.2	811.02	120440	954.9445 ng/ml
Norfentanyl	4.079	1781718	40848.89	33.6	1261.11	612993	115.0758 ng/ml
Norhydrocodone	3.053	528294	180.19	40.7	227.78	41555	1117.4569 ng/ml
Noroxycodone	2.903	3099161	9787.57	42.1	17332.85	106459	1011.1974 ng/ml
O-desmethyl-tramadol	3.369	19764742	223252.79	6.9	29947.88	1175612	988.3555 ng/ml
Oxazepam	5.756	2359438	18057.96	72.6	15101.69	107044	918.4318 ng/ml
Oxycodone	2.827	10181911	2310.43	26.5	1202.30	476620	952.8794 ng/ml
Oxymorphone	1.405	4038084	1255.75	42.0	1765.31	154311	953.5971 ng/ml
Phentermine	3.783	2620719	∞	4.3	3700.12	414297	817.9702 ng/ml
Promethazine	5.532	6711145	95949.29	27.4	1317.10	268504	1037.6737 ng/ml
Pseudoephedrine	2.596	18503066	94277.88	16.0	1306.45	793022	1057.7779 ng/ml
Quetiapine	5.562	7883811	522.57	58.4	128360.84	98852	1040.0987 ng/ml
Sertraline	5.776	789848	51405.75	94.9	946.40	36565	1025.7881 ng/ml
Temazepam	5.830	6857169	42653.98	28.4	2843.35	299787	1065.2609 ng/ml
Tramadol	4.239	16995937	1776.55	3.7	1278.39	929293	916.6102 ng/ml
Trazodone	5.183	8202385	7059.09	80.4	545861.27	368325	942.3916 ng/ml
Venlafaxine	5.030	15448912	6091.70	38.1	∞	727517	1043.0609 ng/ml
Zolpidem	4.941	21117965	17765.20	32.8	83609.34	1198661	878.5571 ng/ml