

**REVIEWED**

By Tamara Salazar at 1:25 pm, Aug 13, 2021

CS SC

8/10/2021

**Worklist: 5174**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-3215	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3227	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3229	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3322	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3325	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3334	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2190	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2205	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2206	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2358	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2546	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2547	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2551	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2561	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2562	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2563	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2573	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2587	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2592	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2616	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 08/11/21  
Plate lot#: IDP-121-210610

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

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

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

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

**Column:** Agilent 120 EC-C18 (2.1x 100-2.7um)  
Blank Urine Lot: POC031319

### 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, Clonazepam 5-500, Codeine 5-500, Dihydrocodeine 5-500, Etizolam 5-500, Fentanyl 0.5-50, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-250, Phentermine 5-500*

*Alprazolam-D5 used as alpha-hydroxyalprazolam ISTD and thus reported qualitatively.  
Trazodone reported qualitatively due to QC 100 accuracy outside acceptable range.*

Celena Shrum also had a sample in this batch. Sarah ~~Pickle~~ Collins 8/17/21 SC acted as the primary analyst and performed steps 3-16. I, Celena Shrum, approved of all steps utilized in this method. CS

CS DC

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1			IS + Cal. 1	IS + QC_1			p2021-2562-1	p2021-2616-1	m2021-3229-1	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2			IS + Cal. 2	IS + QC_2			p2021-2561-1	m2021-3334-2	m2021-3215-1	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3			IS + Cal. 3	IS + QC_3			p2021-2551-1	p2021-2587-1	negative blood	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4			IS + Cal. 4	IS + QC_4			p2021-2547-1	m2021-3325-3	IS + QC_2 urine	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2			IS + Cal. 5	IS + QC_2 urine		p2021-2034-1 CS	p2021-2546-1	p2021-2563-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6				IS + Cal. 6			negative urine	p2021-2358-1	m2021-3322-2	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7				IS + Cal. 7			p2021-2592-3	p2021-2205-1 blanks start	p2021-2206-1	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8				IS + Cal. 8			p2021-2573-1	p2021-2190-1	m2021-3227-1	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

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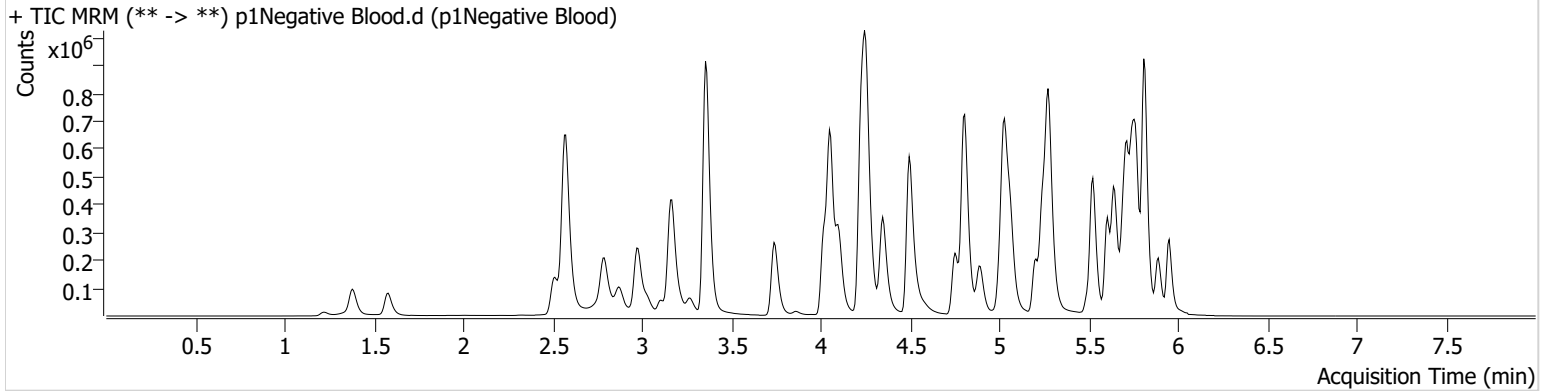


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument Type</b>	Falco (069901) Sample	<b>Data File</b>	p1Negative Blood.d
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Sample</b>	p1Negative Blood
<b>Sample Position</b>	P2-C11	<b>Operator</b>	Sarah Collins
<b>Injection Volume</b>	2	<b>Comment</b>	
<b>Acq. Date-Time</b>	8/11/2021 1:16:46 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



CS SC

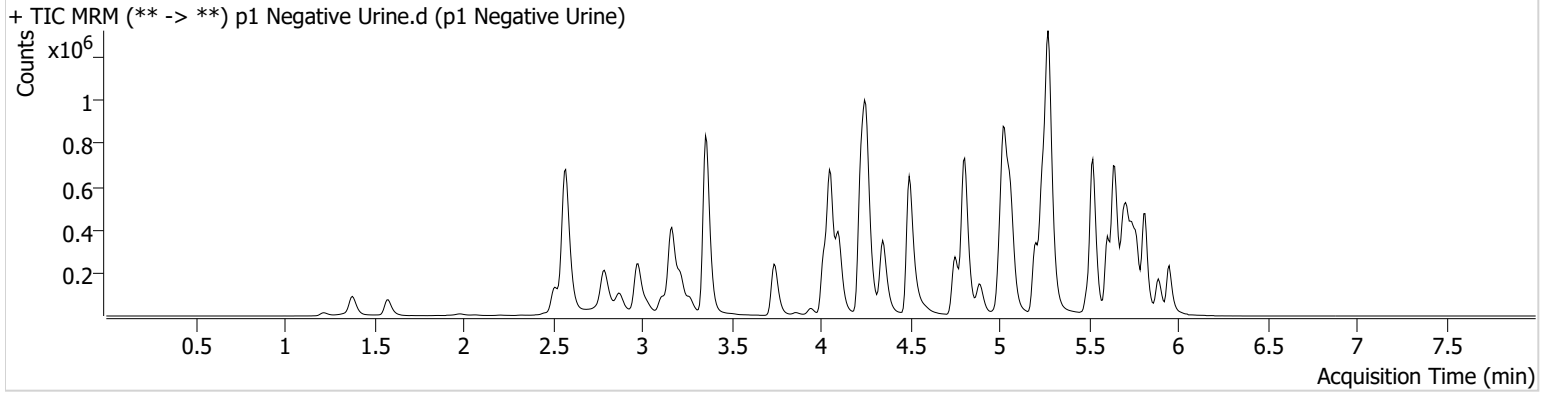


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**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument Type</b>	Falco (069901) Sample	<b>Data File</b>	p1 Negative Urine.d
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Sample</b>	p1 Negative Urine
<b>Sample Position</b>	P2-F8	<b>Operator</b>	Sarah Collins
<b>Injection Volume</b>	2	<b>Comment</b>	
<b>Acq. Date-Time</b>	8/11/2021 1:38:00 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



# AM #28 Multi-Drug Quant. Results

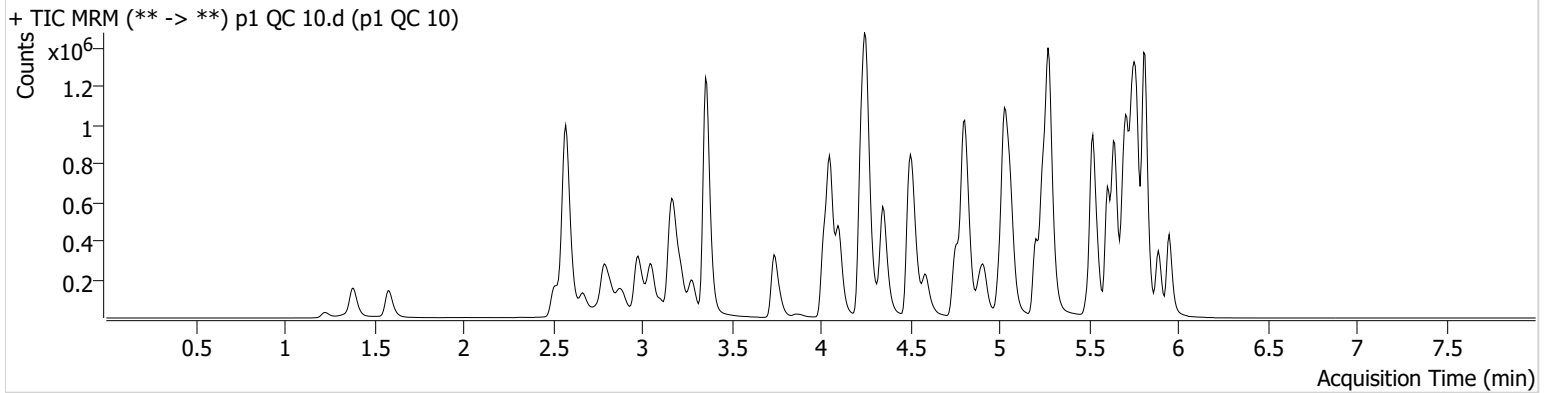
CS SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-H11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 11:41:19 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	6202	221.86	71.5	249.87	146172	1.1961 ng/ml
7-aminoclonazepam	4.265	95589	60.84	78.9	116.51	488049	10.6397 ng/ml
a-hydroxyalprazolam	5.692	65565	377.18	57.4	224.35	703292	10.9394 ng/ml
alpha-PHP	4.923	75248	173.71	269.2	2234.55	1129132	10.9698 ng/ml
alpha-PVP	4.356	290090	12077.69	53.1	781.82	1129132	10.4671 ng/ml
Alprazolam	5.775	225541	535.31	111.4	3423.93	703292	10.6817 ng/ml
Amphetamine	3.056	447185	430.44	51.1	872.95	435101	11.5721 ng/ml
Benzoylecgonine	3.886	8178	152.71	8.7	185.98	29822	10.3140 ng/ml
Buprenorphine	5.670	5394	86.93	14.9	3428.33	181633	1.0960 ng/ml
Bupropion	4.774	259765	942.41	60.6	453.93	800872	10.7141 ng/ml
Carisoprodol	5.724	221752	863.52	58.4	823.89	1024034	11.4078 ng/ml
Citalopram	5.205	188912	2352.20	39.7	182607.58	725196	11.0782 ng/ml
Clonazepam	5.612	279925	5740.71	31.7	192.01	312667	11.2525 ng/ml
Clonazepam	5.548	184182	4792.63	37.8	79731.32	312667	11.0394 ng/ml
Cocaine	4.257	236956	5928.74	51.1	359.49	1850720	10.7307 ng/ml
Codeine	2.560	30701	365.56	98.9	100.37	129718	11.4032 ng/ml
Cyclobenzaprine	5.608	180864	5157.06	9.2	79.99	610668	11.4672 ng/ml
Dextromethorphan	5.255	106541	686.42	83.0	344.85	472607	10.8295 ng/ml
Dextrophan	4.105	78992	232.03	204.5	4782.49	786081	11.5077 ng/ml
Diazepam	5.960	153271	2191.52	88.4	1914.15	638533	11.0542 ng/ml
Dihydrocodeine	2.545	77328	860.03	67.4	1747.13	403798	10.9380 ng/ml
Diphenhydramine	5.282	438148	6850.12	33.9	782.57	2469420	10.7600 ng/ml
Doxylamine	4.516	531944	1544.34	97.5	1548.90	2085481	10.8108 ng/ml
EDDP	5.248	221286	21224.25	42.7	969.69	1062812	10.6125 ng/ml
Etizolam	5.813	146269	2228.90	25.7	66445.70	312667	10.2149 ng/ml
Fentanyl	5.075	18369	185.16	67.9	80012.42	893289	1.0259 ng/ml
Flualprazolam	5.705	104035	1756.12	97.6	1457.56	703292	10.8259 ng/ml
Fluoxetine	5.700	251771	5781.22	8.7	402.47	808576	12.5507 ng/ml
Hydrocodone	3.005	110868	383.25	40.0	126.02	561021	11.3784 ng/ml
Hydromorphone	1.588	97898	535.36	78.3	1197.12	297866	10.8678 ng/ml
Ketamine	4.037	233588	372.55	36.0	281.16	1007516	10.6924 ng/ml
Lamotrigine	4.260	22704	853.05	77.9	1928.42	1007516	11.3056 ng/ml
Levetiracetam	2.670	98151	356.08	164.9	673.57	2492030	10.3752 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	252642	790.63	56.2	414.23	312667	11.7925 ng/ml
MDA	3.189	344997	2178.84	23.0	112.61	756835	11.6219 ng/ml
MDMA	3.283	204238	1673.63	75.8	1363.45	162558	10.9207 ng/ml
Meprobamate	4.917	132994	2633.09	27.7	1001.93	470293	11.8163 ng/ml
Methadone	5.646	342413	1268.09	50.0	366.72	1273882	10.9835 ng/ml
Methamphetamine	3.224	281126	512.44	37.8	527.44	997452	10.9159 ng/ml
Metoprolol	4.319	52032	4336.57	93.5	936.07	2216857	11.0672 ng/ml
Mirtazapine	4.590	298297	3070.90	52.8	1017.41	1129132	10.4795 ng/ml
Mitragynine	5.203	75176	823861.93	39.0	449.96	1273882	10.8490 ng/ml
Morphine	1.233	13699	2579.75	38.7	948.78	12596	11.3758 ng/ml
Norbuprenorphine	4.986	796	1847.73	100.2	5266.78	28249	1.1678 ng/ml
Nordiazepam	5.900	163156	506.03	56.0	1619.24	461717	10.9697 ng/ml
Norfentanyl	4.079	44352	489.98	34.0	93.33	1828095	1.0671 ng/ml
Norhydrocodone	3.053	16668	37.60	42.5	120.20	116611	11.1670 ng/ml
Noroxycodone	2.896	118444	1167.01	43.3	657.46	364766	10.8728 ng/ml
O-desmethyl-tramadol	3.362	520664	1134.60	6.7	314.95	2864489	10.6178 ng/ml
Oxazepam	5.749	296079	3580.02	75.4	2207.84	1186485	10.9409 ng/ml
Oxycodone	2.821	232706	730.52	27.1	321.44	937470	10.6156 ng/ml
Oxymorphone	1.385	120553	397.66	42.5	341.89	363941	10.9987 ng/ml
Phentermine	3.776	94088	1321.39	4.0	47.51	925146	11.0011 ng/ml
Promethazine	5.525	416251	672.16	28.2	705.00	1465320	11.7328 ng/ml
Pseudoephedrine	2.583	553378	610.83	16.2	3679.74	2492030	10.5191 ng/ml
Quetiapine	5.507	207696	1666.49	58.4	165020.90	260940	11.0568 ng/ml
Sertraline	5.769	119508	290.51	99.9	668.38	392602	12.3031 ng/ml
Temazepam	5.816	485446	18735.57	29.0	638.11	2187660	10.9462 ng/ml
Tramadol	4.239	501339	1142.34	3.8	216.53	2216857	11.0652 ng/ml
Trazodone	5.047	236307	253.97	81.5	5325.58	773324	11.5475 ng/ml
Venlafaxine	5.030	401939	4590.83	37.6	963.78	1923240	10.4887 ng/ml
Zolpidem	4.819	517878	2451.18	31.4	887.38	2430003	10.4499 ng/ml

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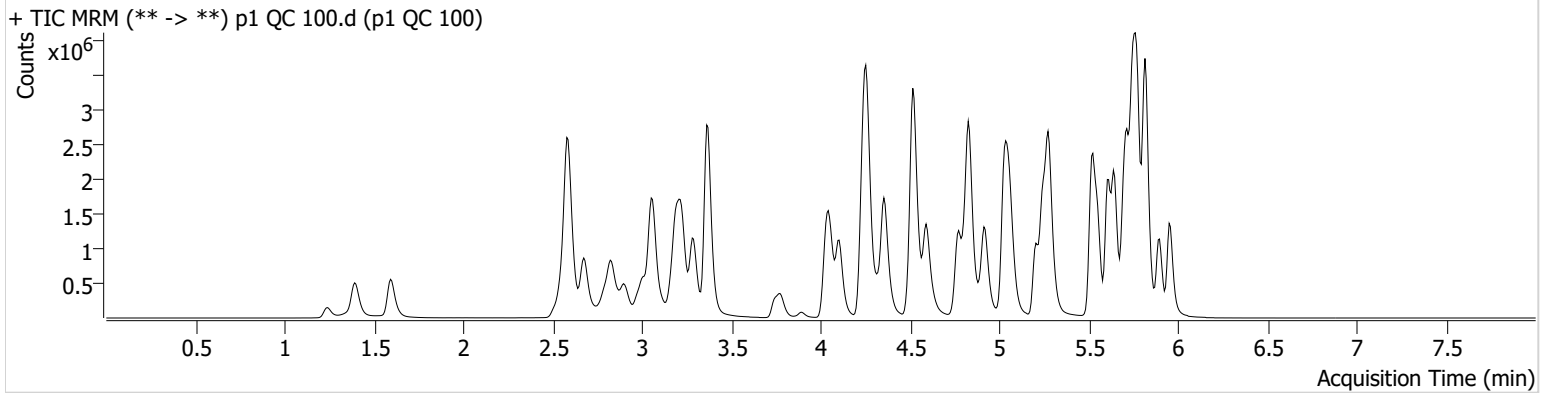


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**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-G11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 7:38:40 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	55597	1600.88	70.2	2769.54	138042	11.0123 ng/ml
7-aminoclonazepam	4.265	797495	23962.98	78.2	10565.52	414870	111.1405 ng/ml
a-hydroxyalprazolam	5.692	485687	2647.59	57.2	535.00	598617	108.3011 ng/ml
alpha-PHP	4.923	568886	3010.53	269.1	3838.84	937744	104.1044 ng/ml
alpha-PVP	4.363	2451591	57381.49	52.5	1148.17	937744	109.1689 ng/ml
Alprazolam	5.775	1932590	844.40	110.5	4648.49	598617	111.4752 ng/ml
Amphetamine	3.063	3460068	2035.78	50.1	4178.97	363159	116.4169 ng/ml
Benzoylecgonine	3.892	87522	178.62	7.4	2409.89	26986	131.0022 ng/ml
Buprenorphine	5.683	31249	438.08	15.1	10427.85	118421	9.3101 ng/ml
Bupropion	4.774	1940011	974.56	60.2	1307.21	611121	110.4579 ng/ml
Carisoprodol	5.724	1683243	1878367.84	56.7	4180.95	762272	104.1006 ng/ml
Citalopram	5.205	1276685	1518.83	41.1	13877.57	508596	109.4064 ng/ml
Clonazepam	5.612	2279805	1523.50	31.7	79517.29	260503	118.4756 ng/ml
Clonazepam	5.549	1602532	96725.26	38.2	964797.89	260503	103.2586 ng/ml
Cocaine	4.257	2004753	1758.63	51.8	15726.25	1584444	108.5245 ng/ml
Codeine	2.566	257206	15220.39	102.3	7578.37	119167	112.6903 ng/ml
Cyclobenzaprine	5.608	997588	551.53	9.3	2456.30	367125	107.4400 ng/ml
Dextromethorphan	5.255	634369	452.74	80.5	10467.68	287545	111.1240 ng/ml
Dextrophan	4.105	646882	507.29	202.9	3155.04	657869	110.5705 ng/ml
Diazepam	5.960	1335953	6400.28	87.3	20451.45	569356	114.0822 ng/ml
Dihydrocodeine	2.545	701575	1432.96	67.4	932.76	385439	115.1950 ng/ml
Diphenhydramine	5.282	2890594	66516.09	33.7	11404.15	1661061	107.5755 ng/ml
Doxylamine	4.516	4757491	17181.44	96.3	6613.58	1866282	115.9208 ng/ml
EDDP	5.248	1715787	3253.62	42.2	418.65	830933	107.7900 ng/ml
Etizolam	5.813	1230739	15148.95	25.8	5530.68	260503	101.3730 ng/ml
Fentanyl	5.075	109017	317.62	65.7	517.15	516884	10.8049 ng/ml
Flualprazolam	5.705	856604	10350.02	100.4	6647.21	598617	112.0442 ng/ml
Fluoxetine	5.700	1107227	45148.17	8.6	2596.33	426244	110.7042 ng/ml
Hydrocodone	3.005	968438	641.72	41.3	308.09	530400	115.5007 ng/ml
Hydromorphone	1.595	897570	4111.24	78.1	4390.47	272048	114.2286 ng/ml
Ketamine	4.037	2068165	2522.74	36.8	1125.95	901892	114.1150 ng/ml
Lamotrigine	4.267	183573	709.42	80.5	3101.71	901892	115.5197 ng/ml
Levetiracetam	2.676	877862	5134.03	165.8	1281.85	2200553	104.2478 ng/ml



CS SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1512330	21848.57	57.5	969.45	260503	95.7538 ng/ml
MDA	3.196	2494575	8127.24	23.3	929.53	596281	116.0789 ng/ml
MDMA	3.290	1707601	1545681.77	72.8	3250.69	137589	111.4607 ng/ml
Meprobamate	4.917	1023945	735.85	27.9	4431.05	418276	114.3671 ng/ml
Methadone	5.646	2096532	56612.84	48.8	36577.57	829910	107.0412 ng/ml
Methamphetamine	3.224	2338041	2177.98	38.1	844.71	886582	115.2665 ng/ml
Metoprolol	4.319	435394	1543558.82	92.3	25146.45	2006641	107.6962 ng/ml
Mirtazapine	4.590	2039020	94243.53	51.2	3715.97	937744	88.0566 ng/ml
Mitragynine	5.203	427697	702.91	40.4	210.39	829910	102.0776 ng/ml
Morphine	1.240	132987	678.11	34.6	668.83	13027	110.2924 ng/ml
Norbuprenorphine	4.979	4201	10022.67	102.1	1910.15	18234	11.1059 ng/ml
Nordiazepam	5.900	1341703	1923.77	56.9	∞	391640	113.4288 ng/ml
Norfentanyl	4.079	402389	7108.09	34.0	618.15	1618836	10.9539 ng/ml
Norhydrocodone	3.059	132453	203.29	42.9	270.28	91028	101.1310 ng/ml
Noroxycodone	2.903	978061	1492.33	42.6	529.55	307023	111.6413 ng/ml
O-desmethyl-tramadol	3.369	4831405	91220.36	6.7	9537.39	2619712	110.9325 ng/ml
Oxazepam	5.749	2064572	10121.33	74.0	5661.55	840652	115.4738 ng/ml
Oxycodone	2.821	2193142	3824.01	27.5	511.72	881296	113.4237 ng/ml
Oxymorphone	1.391	1087787	∞	42.3	∞	338945	112.7559 ng/ml
Phentermine	3.783	736938	2788.72	3.7	954.24	757186	116.2462 ng/ml
Promethazine	5.525	2219751	91313.67	28.3	976.05	879741	106.4600 ng/ml
Pseudoephedrine	2.589	4988463	77073.69	15.8	769.18	2200553	108.5614 ng/ml
Quetiapine	5.508	1549647	22374.96	57.5	2840711.39	200849	116.0799 ng/ml
Sertraline	5.769	560274	7312.23	98.4	596.44	211086	111.5156 ng/ml
Temazepam	5.816	3974046	34767.07	28.1	4631.02	1714198	103.4703 ng/ml
Tramadol	4.239	4324413	1049.09	3.6	766.42	2006641	112.4263 ng/ml
Trazodone	5.054	1535244	10112.56	81.0	2962.80	501876	127.8867 ng/ml
Venlafaxine	5.030	3322546	638.53	37.3	3401.15	1587453	107.7807 ng/ml
Zolpidem	4.833	4930716	4804.32	30.6	11264.99	2280783	114.3298 ng/ml

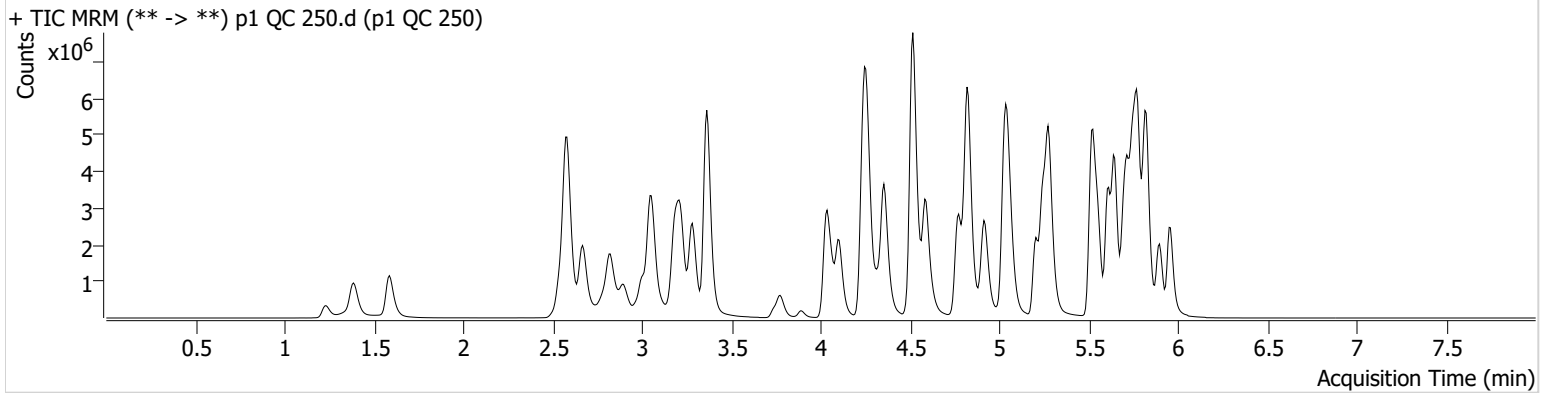
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-F11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 12:02:30 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	138911	997.80	70.2	749.05	136713	27.7205 ng/ml
7-aminoclonazepam	4.265	1639103	29069.15	76.2	15461.42	340829	279.1967 ng/ml
a-hydroxyalprazolam	5.692	759664	1170.40	56.5	331.91	489555	208.6825 ng/ml
alpha-PHP	4.917	1326456	2034.23	270.0	21319.97	895277	255.0069 ng/ml
alpha-PVP	4.356	5804977	136747.32	51.7	78221.53	895277	271.1845 ng/ml
Alprazolam	5.775	3956683	∞	112.8	∞	489555	279.7263 ng/ml
Amphetamine	3.056	6913112	62203.18	50.0	1260.68	313758	270.6709 ng/ml
Benzoylecgonine	3.892	218797	5890.69	7.5	1290.89	31154	284.6493 ng/ml
Buprenorphine	5.670	77333	847.32	14.4	3967.58	112312	24.2062 ng/ml
Bupropion	4.774	4617306	5165.57	60.0	2206.74	586081	275.0702 ng/ml
Carisoprodol	5.724	3033581	122991.89	57.7	8609.25	540143	262.7147 ng/ml
Citalopram	5.205	2765260	1783.73	41.0	613.65	452404	266.8456 ng/ml
Clonazepam	5.612	4214955	32283.47	30.9	22537.95	206238	277.9654 ng/ml
Clonazepam	5.549	3315505	12962.50	37.7	82412.62	206238	267.7904 ng/ml
Cocaine	4.257	4593611	2099.51	51.2	184089.78	1454192	271.3598 ng/ml
Codeine	2.560	539191	247.25	98.8	1114.71	107754	262.6698 ng/ml
Cyclobenzaprine	5.608	2416051	2489.21	9.1	558.45	355077	269.4476 ng/ml
Dextromethorphan	5.255	1481825	910.89	81.4	1458.74	275407	271.8572 ng/ml
Dextrophan	4.105	1481150	2573.14	202.1	4378.03	597772	278.2707 ng/ml
Diazepam	5.960	2848441	8889.77	88.8	624.27	499961	277.9816 ng/ml
Dihydrocodeine	2.538	1599161	62749.79	69.6	573.64	386515	263.5236 ng/ml
Diphenhydramine	5.282	6903116	77139.07	32.8	388.52	1558355	274.1945 ng/ml
Doxylamine	4.516	11667545	220426.22	96.1	162967.08	1821693	292.5739 ng/ml
EDDP	5.248	3936783	49399.99	41.3	762.52	753365	273.2191 ng/ml
Etizolam	5.813	2740148	8783.93	25.0	27069.03	206238	284.7296 ng/ml
Fentanyl	5.075	286869	228.91	66.1	258310.69	528735	27.8429 ng/ml
Flualprazolam	5.705	1726980	36302.85	103.0	14482.70	489555	277.4495 ng/ml
Fluoxetine	5.700	2132656	27418.40	8.4	222917.97	336199	271.5181 ng/ml
Hydrocodone	3.005	2250076	∞	40.7	287.89	519654	275.6312 ng/ml
Hydromorphone	1.588	2097594	3998843.01	77.7	10182.70	260992	279.0720 ng/ml
Ketamine	4.037	5074238	191119.90	35.7	6800.46	897201	282.8234 ng/ml
Lamotrigine	4.267	377843	6630.98	81.2	11578.73	897201	240.7986 ng/ml
Levetiracetam	2.670	2102070	6160.58	165.9	20760.53	1972846	278.2829 ng/ml

CS SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* <del>Lorazepam</del>	<del>5.740</del>	<del>1853447</del>	<del>5555.22</del>	<del>58.0</del>	<del>3292.27</del>	<del>206238</del>	<del>149.2069 ng/ml</del>
MDA	3.189	5232625	28723.39	22.6	1504.64	524919	278.1811 ng/ml
MDMA	3.283	4040812	46468.25	73.7	2199.11	132223	275.0511 ng/ml
Meprobamate	4.917	1979112	41388.30	28.5	554.26	386995	240.6378 ng/ml
Methadone	5.646	5210811	1375.99	47.3	14705.91	788903	280.6072 ng/ml
Methamphetamine	3.224	4356509	4596.72	36.8	24432.21	702707	273.1006 ng/ml
Metoprolol	4.319	1013146	101394.16	93.0	1933.83	1870185	269.8677 ng/ml
Mirtazapine	4.590	4980896	10631.83	52.1	2094.26	895277	225.6959 ng/ml
Mitragynine	5.203	1094511	247622.87	38.5	498416.14	788903	276.4080 ng/ml
Morphine	1.233	308031	2795.85	41.6	11434.83	12288	271.4303 ng/ml
Norbuprenorphine	4.986	10766	9468.03	98.2	6041.82	18557	28.2920 ng/ml
Nordiazepam	5.900	2763368	35422.11	54.3	717.30	330132	278.3185 ng/ml
Norfentanyl	4.079	955019	90701.44	34.5	892.46	1543325	27.2730 ng/ml
Norhydrocodone	3.053	286647	288.85	42.0	202.41	75038	263.2769 ng/ml
Noroxycodone	2.896	1996171	1576.99	42.3	984.77	260976	268.8471 ng/ml
O-desmethyl-tramadol	3.362	12440585	1991.77	6.4	71671.88	2589567	289.5315 ng/ml
Oxazepam	5.749	3017273	13121.21	72.5	29331.98	514205	277.1224 ng/ml
Oxycodone	2.821	5163297	3886.31	27.1	2454.43	871464	271.1161 ng/ml
Oxymorphone	1.385	2435053	∞	41.6	∞	301296	285.0308 ng/ml
Phentermine	3.776	1557958	1145.22	3.8	162.13	706624	264.9597 ng/ml
Promethazine	5.525	5856833	75116.15	27.1	2429.99	899492	275.1779 ng/ml
Pseudoephedrine	2.583	11524582	2641.53	15.4	25611.00	1972846	279.9531 ng/ml
Quetiapine	5.507	3428372	1773.96	59.1	501.37	182037	284.8254 ng/ml
Sertraline	5.769	1068918	638.73	98.7	28475.28	161472	278.9472 ng/ml
Temazepam	5.823	7074440	59311.08	27.9	10730.11	1231912	254.6019 ng/ml
Tramadol	4.239	10293675	3275.78	3.5	571.75	1870185	288.4140 ng/ml
Trazodone	5.047	3656045	56552.11	81.1	58062.33	533458	288.2120 ng/ml
Venlafaxine	5.030	8153923	1280338.76	35.1	4086.66	1489600	282.3730 ng/ml
Zolpidem	4.820	12424725	133236.48	29.8	601.37	2285521	288.8774 ng/ml

\*OCR

cg SC

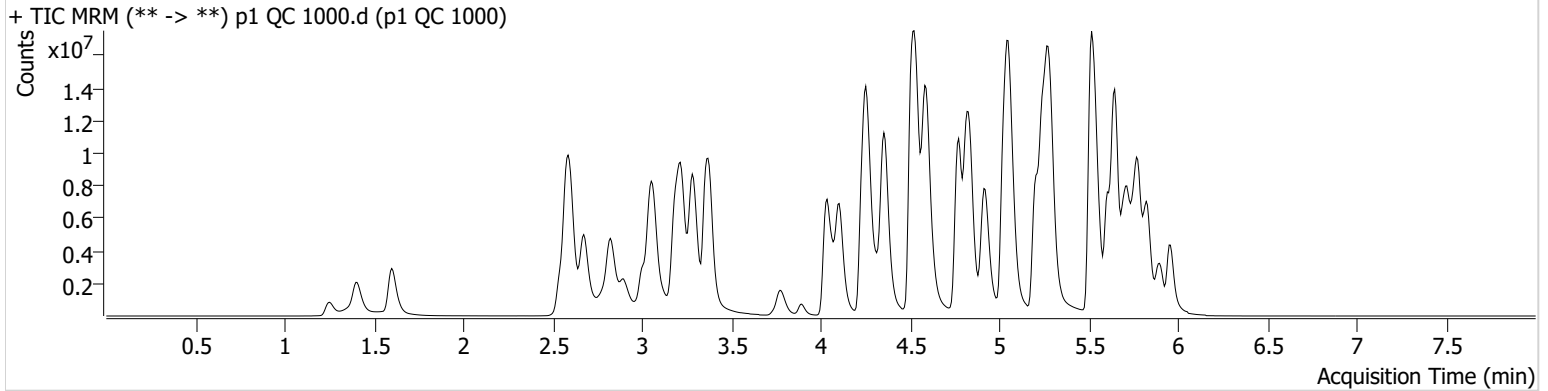


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 1000.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 1000
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-E11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 12:23:42 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	484666	2753.79	69.5	1521.24	111990	117.9385 ng/ml
7-aminoclonazepam	4.278	2150668	7209.71	77.6	1329.22	108906	1148.8360 ng/ml
* a-hydroxyalprazolam	<del>5.685</del>	<del>836047</del>	<del>451.72</del>	<del>55.7</del>	<del>194.68</del>	<del>219862</del>	<del>513.8482 ng/ml</del>
alpha-PHP	4.917	5496104	98168.12	286.2	370909.09	778135	1217.6469 ng/ml
alpha-PVP	4.356	21124711	396964.19	53.5	649136.21	778135	1136.3462 ng/ml
Alprazolam	5.775	6778480	1701.63	112.3	∞	219862	1068.2749 ng/ml
* Amphetamine	<del>3.061</del>	<del>20012340</del>	<del>45024.16</del>	<del>48.8</del>	<del>28066.42</del>	<del>284280</del>	<del>867.2227 ng/ml</del>
Benzoylcegonine	3.892	802830	98604.24	7.8	4389.02	26030	1252.9073 ng/ml
Buprenorphine	5.670	391671	1627.55	14.1	116973.86	117644	116.8327 ng/ml
Bupropion	4.774	19322650	2624.38	62.0	3076.18	642930	1051.1314 ng/ml
Carisoprodol	5.724	4148387	2144463.45	57.9	17597.58	168070	1150.0754 ng/ml
Citalopram	5.205	11627869	60096.59	38.5	61078.32	437500	1161.3340 ng/ml
* Clonazepam	<del>5.612</del>	<del>4244339</del>	<del>42713.73</del>	<del>31.0</del>	<del>13129.93</del>	<del>71655</del>	<del>807.4571 ng/ml</del>
Clonazepam	5.555	4906737	40497.18	36.9	120542.88	71655	1136.5236 ng/ml
Cocaine	4.257	14395041	2827.81	49.8	163348.17	1056897	1170.9461 ng/ml
* Codeine	<del>2.560</del>	<del>1121344</del>	<del>988.20</del>	<del>98.2</del>	<del>468.73</del>	<del>77838</del>	<del>758.2322 ng/ml</del>
Cyclobenzaprine	5.608	11423774	2706.19	8.6	385313.51	379896	1191.7265 ng/ml
Dextromethorphan	5.255	5226678	∞	81.2	1134.75	243490	1086.3327 ng/ml
Dextrophan	4.105	5957892	2186.83	208.3	43899.84	570423	1172.2594 ng/ml
Diazepam	5.960	6092058	∞	87.9	8546.12	268775	1107.9545 ng/ml
* Dihydrocodeine	<del>2.538</del>	<del>4222604</del>	<del>1304.82</del>	<del>68.3</del>	<del>1659.51</del>	<del>336063</del>	<del>802.9906 ng/ml</del>
Diphenhydramine	5.282	26610350	1730.04	37.2	56888.16	1560794	1055.9830 ng/ml
Doxylamine	4.522	38028475	251129.28	97.0	318107.69	2063817	843.3666 ng/ml
EDDP	5.248	19525014	57352.67	41.1	104723.64	887061	1151.7494 ng/ml
* Etizolam	<del>5.813</del>	<del>5760884</del>	<del>24404.34</del>	<del>24.1</del>	<del>1969.59</del>	<del>71655</del>	<del>1721.9521 ng/ml</del>
* Fentanyl	<del>5.082</del>	<del>1699406</del>	<del>20065.45</del>	<del>67.0</del>	<del>630.08</del>	<del>659649</del>	<del>132.3213 ng/ml</del>
Flualprazolam	5.705	2624711	36146.46	107.8	40425.84	219862	940.9328 ng/ml
Fluoxetine	5.700	8708802	221912.16	7.9	87535.54	333356	1120.7628 ng/ml
Hydrocodone	3.005	6838117	3134.02	41.1	1077.51	432180	1010.5438 ng/ml
Hydromorphone	1.601	6088942	24919927.14	78.2	6276285.80	187239	1130.9183 ng/ml
Ketamine	4.037	15528166	∞	34.4	30268.85	731872	1063.5956 ng/ml
* Lamotrigine	<del>4.273</del>	<del>604480</del>	<del>5835.49</del>	<del>81.8</del>	<del>44453.58</del>	<del>731872</del>	<del>473.8605 ng/ml</del>
Levetiracetam	2.676	5225896	3963.34	169.1	6819.46	1274026	1071.0479 ng/ml

CS SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* <del>Lorazepam</del>	<del>5.740</del>	<del>1682384</del>	<del>19787.50</del>	<del>59.0</del>	<del>19567.02</del>	<del>71655</del>	<del>392.6896 ng/ml</del>
MDA	3.189	14047254	98093.03	21.3	7121.84	416007	945.0531 ng/ml
MDMA	3.283	15684556	27959.14	71.1	299594.93	122215	1156.3341 ng/ml
* <del>Meprobamate</del>	<del>4.924</del>	<del>2761320</del>	<del>63069.71</del>	<del>28.5</del>	<del>7289.61</del>	<del>221504</del>	<del>588.8561 ng/ml</del>
Methadone	5.646	21138604	295063.52	58.2	58564.58	890940	1009.1414 ng/ml
Methamphetamine	3.224	16449026	156645.84	35.2	63071.30	764839	951.2690 ng/ml
Metoprolol	4.319	3000849	1312.79	93.2	270117.21	1515898	987.8719 ng/ml
Mirtazapine	4.590	24427518	1574547.94	56.3	326027.78	778135	1274.6558 ng/ml
Mitragynine	5.203	4880218	358608.28	39.3	5368303.80	890940	1094.0981 ng/ml
Morphine	1.253	848293	119854.79	39.0	27273.50	8599	1069.3509 ng/ml
Norbuprenorphine	4.979	60523	9250.54	96.4	308.81	26179	113.3858 ng/ml
Nordiazepam	5.900	4823997	1369.29	54.2	15414.24	150730	1066.4375 ng/ml
Norfentanyl	4.072	3442521	51909.83	33.8	6999.49	1266311	119.8236 ng/ml
Norhydrocodone	3.053	1019136	199.22	41.5	290.00	58789	1189.9445 ng/ml
Noroxycodone	2.896	4759834	10960.49	43.2	272.22	157534	1063.6709 ng/ml
O-desmethyl-tramadol	3.369	29554842	736337.35	7.7	805.25	1772823	1005.5855 ng/ml
Oxazepam	5.749	2388502	1372.87	69.5	2210.79	114872	984.2257 ng/ml
Oxycodone	2.821	16130511	25925.87	26.3	2648.21	700617	1055.7645 ng/ml
Oxymorphone	1.405	6389732	∞	42.1	∞	213790	1055.9987 ng/ml
* <del>Phentermine</del>	<del>3.776</del>	<del>5229473</del>	<del>474.66</del>	<del>3.6</del>	<del>433.10</del>	<del>757828</del>	<del>832.0032 ng/ml</del>
Promethazine	5.532	24537625	89678.25	32.9	181243.87	1096535	946.4039 ng/ml
Pseudoephedrine	2.596	30606545	200780.43	16.2	41871.00	1274026	1151.6999 ng/ml
Quetiapine	5.501	13760168	217398.62	59.1	643.18	243797	855.6274 ng/ml
Sertraline	5.762	4140277	435.57	97.4	70578.46	164759	1060.4326 ng/ml
Temazepam	5.830	9010745	23577.78	28.6	3857.30	369965	1076.0781 ng/ml
Tramadol	4.239	26204584	∞	3.9	892.46	1515898	907.5636 ng/ml
Trazodone	5.054	15711006	419828.48	81.1	3934.05	725451	913.6898 ng/ml
Venlafaxine	5.030	26698429	230157.47	40.3	4477.54	1304883	1056.2885 ng/ml
Zolpidem	4.826	29605348	524311.54	36.1	256609.76	1739975	906.0871 ng/ml

\*OCR

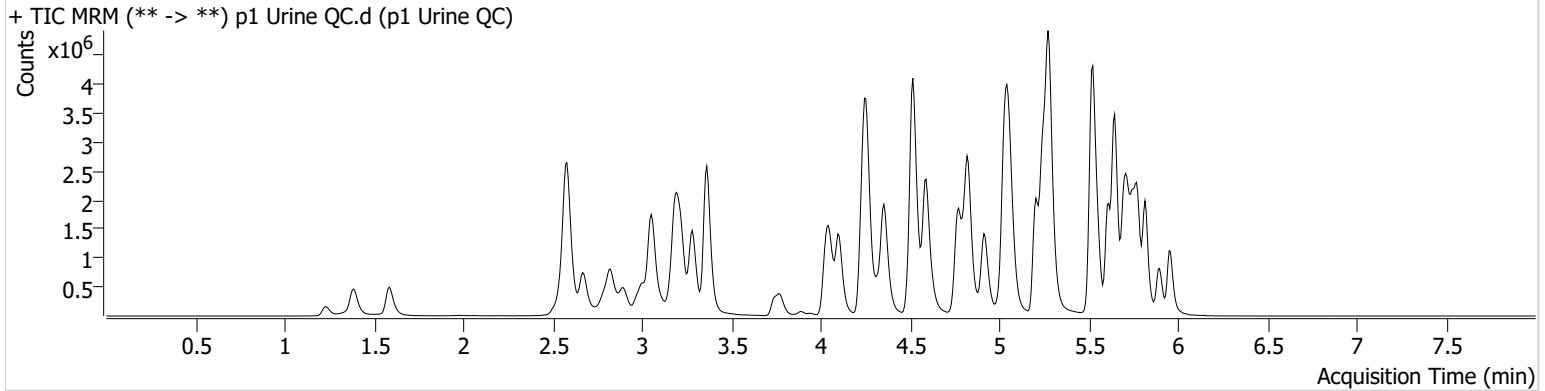
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Urine QC.d
<b>Type</b>	QC	<b>Sample</b>	p1 Urine QC
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-D11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 12:55:34 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	52661	445.24	67.7	392.73	128100	11.2393 ng/ml
7-aminoclonazepam	4.265	639068	475.59	77.5	9069.75	323510	114.2342 ng/ml
a-hydroxyalprazolam	5.692	310844	324.12	54.9	473.67	358109	115.9837 ng/ml
alpha-PHP	4.917	754352	3374.51	268.6	4632.35	1038596	124.7429 ng/ml
alpha-PVP	4.356	2700754	174713.96	51.8	45261.28	1038596	108.5844 ng/ml
Alprazolam	5.775	1152708	1098.97	110.2	865.71	358109	111.1441 ng/ml
Amphetamine	3.056	3478573	8963.19	50.6	932.61	381262	111.4357 ng/ml
Benzoylecgonine	3.892	78460	763.27	7.3	110.13	26589	119.1152 ng/ml
Buprenorphine	5.677	59915	1227.50	13.7	10034.69	203905	10.3609 ng/ml
Bupropion	4.774	2853430	88402.85	60.6	2745.38	871813	113.9041 ng/ml
Carisoprodol	5.724	1103261	96212.60	59.7	494.92	497897	104.4566 ng/ml
Citalopram	5.205	2309042	32997.38	40.5	11050.84	911192	110.4499 ng/ml
Clonazepam	5.612	1367838	1713.34	31.0	776.79	159852	115.8191 ng/ml
Clonazepam	5.549	994751	28973.10	38.3	6693.83	159852	104.4400 ng/ml
Cocaine	4.257	2164087	84301.21	50.9	946.14	1702633	109.0191 ng/ml
Codeine	2.560	236500	726.49	99.8	182.42	105684	116.8768 ng/ml
Cyclobenzaprine	5.608	1708075	12641.49	9.6	4284.27	611234	110.4990 ng/ml
Dextromethorphan	5.255	1314381	279.54	80.0	1368.62	600345	110.2742 ng/ml
Dextrophan	4.105	833093	2077.78	203.6	1579.70	839287	111.6163 ng/ml
Diazepam	5.960	1093452	6841.99	88.1	7167.49	457455	116.2278 ng/ml
Dihydrocodeine	2.538	637050	∞	69.7	787.09	346932	116.2218 ng/ml
Diphenhydramine	5.282	5535776	1196.33	33.0	473.85	3110794	110.0119 ng/ml
Doxylamine	4.516	5714556	11072.55	96.6	89608.46	2212743	117.4503 ng/ml
EDDP	5.248	2572551	12325.28	42.1	481.00	1233576	108.8655 ng/ml
Etizolam	5.813	854313	5620.09	25.3	5125.75	159852	114.6491 ng/ml
Fentanyl	5.075	243087	4143.24	65.8	19219.10	1149995	10.8290 ng/ml
Flualprazolam	5.705	593524	3797.30	104.5	12128.56	358109	129.9055 ng/ml
Fluoxetine	5.700	1904280	13798.46	8.5	10074.62	725771	111.8275 ng/ml
Hydrocodone	3.005	938322	584.68	41.4	∞	511113	116.1388 ng/ml
Hydromorphone	1.588	793968	4821.95	78.4	12546.84	248736	110.4950 ng/ml
Ketamine	4.037	1996241	20303.60	36.7	8827.19	874983	113.5291 ng/ml
Lamotrigine	4.260	175475	1683.33	79.4	2148.30	874983	113.7956 ng/ml
Levetiracetam	2.670	724341	544.87	170.2	42.83	2240644	84.4952 ng/ml

CS SC



# AM #28 Multi-Drug Quant. Results

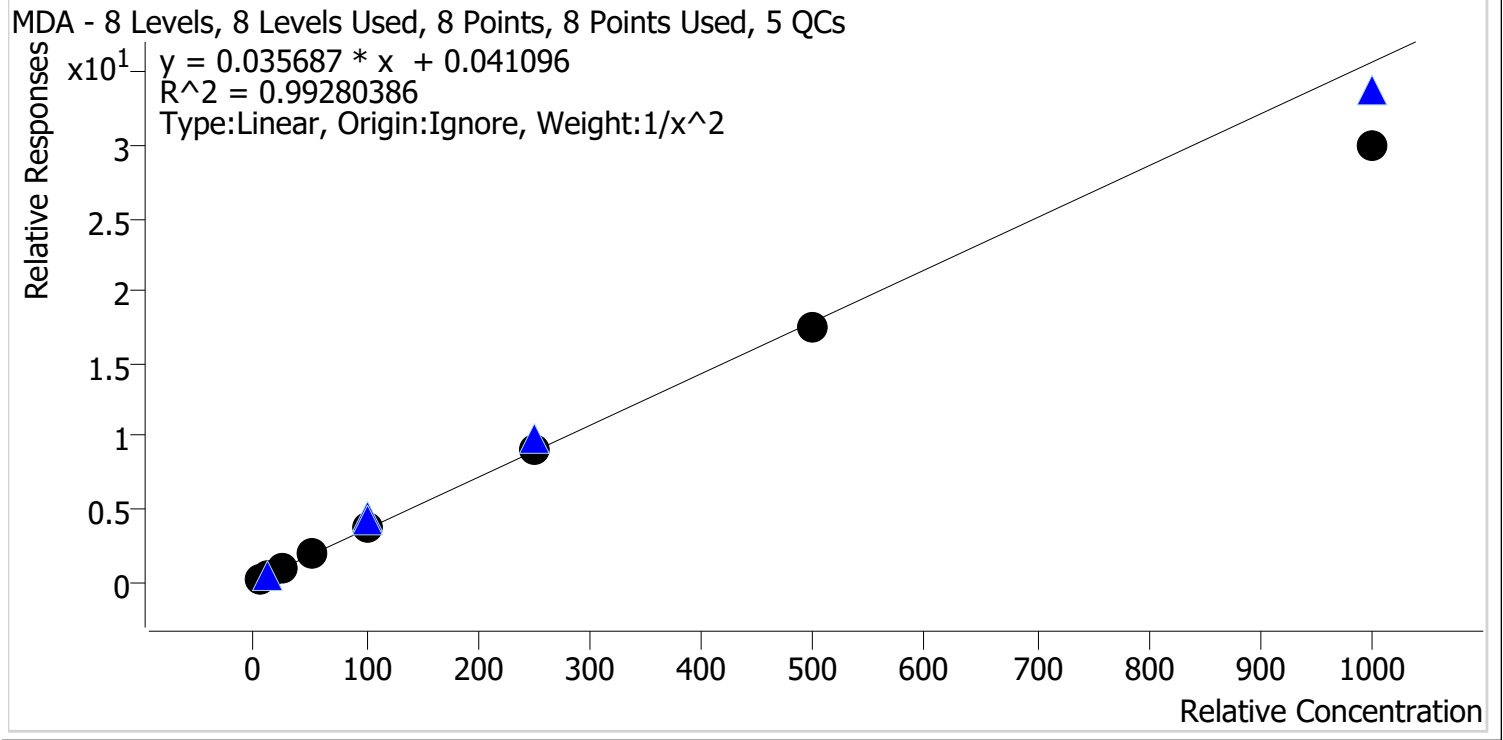
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	701141	7264.42	58.2	1111.00	159852	71.9093 ng/ml
MDA	3.189	3437872	11437.74	22.8	3844.84	754728	126.4904 ng/ml
MDMA	3.283	2246165	7532.45	72.1	3124.08	179320	112.4980 ng/ml
Meprobamate	4.917	781074	76816.19	28.4	918.50	321608	113.4499 ng/ml
Methadone	5.646	3862481	29150.86	48.5	916.44	1502681	108.9210 ng/ml
Methamphetamine	3.224	1887030	2241.78	37.1	2420.35	699654	117.9226 ng/ml
Metoprolol	4.319	522225	1561.91	93.0	10199.01	2080738	124.6764 ng/ml
Mirtazapine	4.590	3881627	41818.02	52.7	10497.11	1038596	151.5327 ng/ml
Mitragynine	5.203	928990	36428.36	38.9	26984.96	1502681	122.6423 ng/ml
Morphine	1.233	135476	462.95	39.7	2668.56	13414	109.1062 ng/ml
Norbuprenorphine	4.979	8585	252.68	97.8	517.14	37377	11.0706 ng/ml
Nordiazepam	5.900	966613	558.90	54.8	20675.85	276330	115.8358 ng/ml
Norfentanyl	4.079	443450	1200.42	33.7	507.97	1814748	10.7684 ng/ml
Norhydrocodone	3.053	122453	78.82	43.0	∞	82975	102.5507 ng/ml
Noroxycodone	2.896	952257	3651.50	43.3	882.61	303759	109.8547 ng/ml
O-desmethyl-tramadol	3.362	4427644	2251.17	6.8	749.37	2360990	112.8081 ng/ml
Oxazepam	5.749	881197	12906.16	72.8	124.50	420731	98.3478 ng/ml
Oxycodone	2.821	2069852	1567.34	27.7	638.06	830040	113.6593 ng/ml
Oxymorphone	1.385	953478	∞	43.7	∞	301681	111.0311 ng/ml
Phentermine	3.776	797810	519.47	3.6	254.15	838253	113.6492 ng/ml
Promethazine	5.525	4618869	1413.01	27.5	37378.60	1759857	110.7490 ng/ml
Pseudoephedrine	2.583	5131505	30301.06	15.8	1223.70	2240644	109.6775 ng/ml
Quetiapine	5.507	2417192	24234.51	58.9	22102.95	321983	112.9187 ng/ml
Sertraline	5.769	542334	842.96	95.7	783.22	199327	114.3264 ng/ml
Temazepam	5.816	1697408	713.29	30.3	596.75	763513	99.2706 ng/ml
Tramadol	4.239	4490537	1231.76	3.6	243.17	2080738	112.5889 ng/ml
Trazodone	5.047	2932474	68013.79	81.5	25728.58	1028460	119.1115 ng/ml
Venlafaxine	5.030	4238986	1250.46	36.4	670.04	1978226	110.3534 ng/ml
Zolpidem	4.826	4601727	10787.37	30.8	6778.52	2134088	114.0336 ng/ml

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	489.0	97.8
p1 Cal 8-1000ng	8	✓	1000.0	839.1	83.9



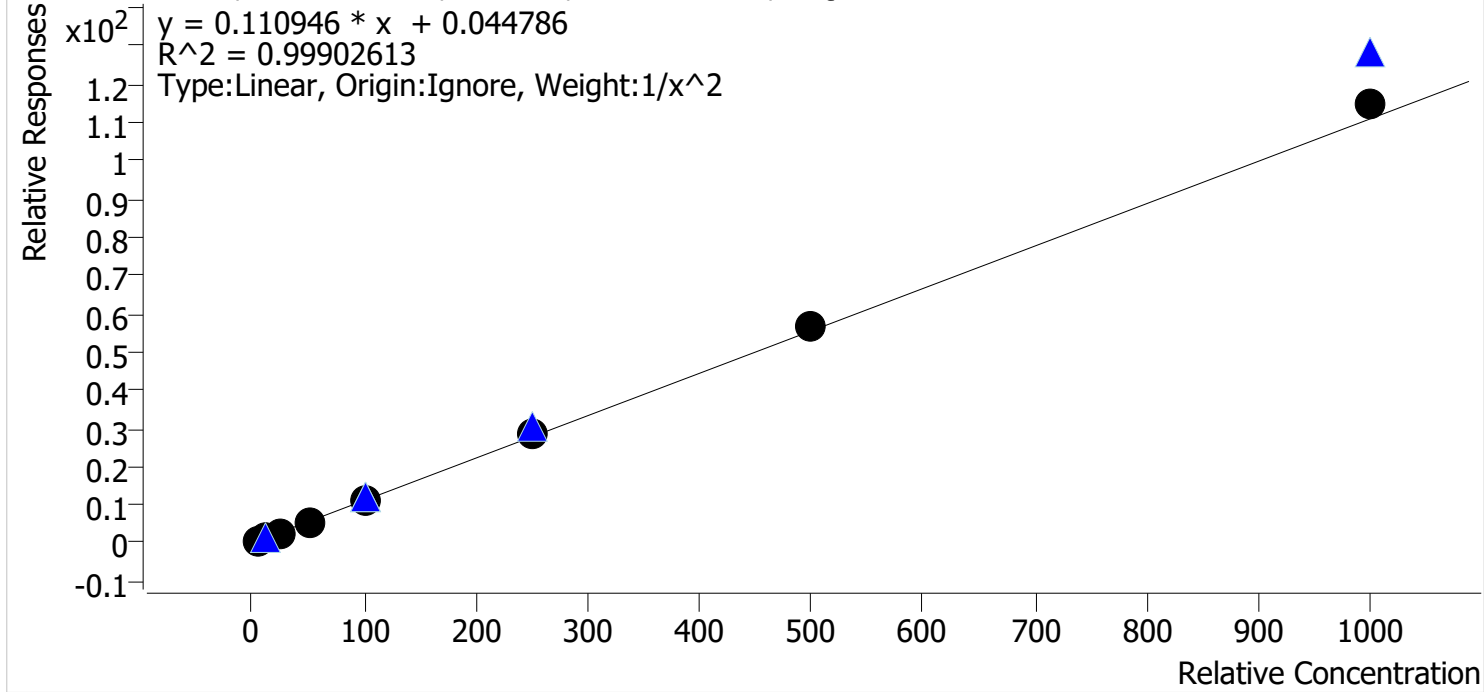
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

MDMA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	514.7	102.9
p1 Cal 8-1000ng	8	✓	1000.0	1032.8	103.3

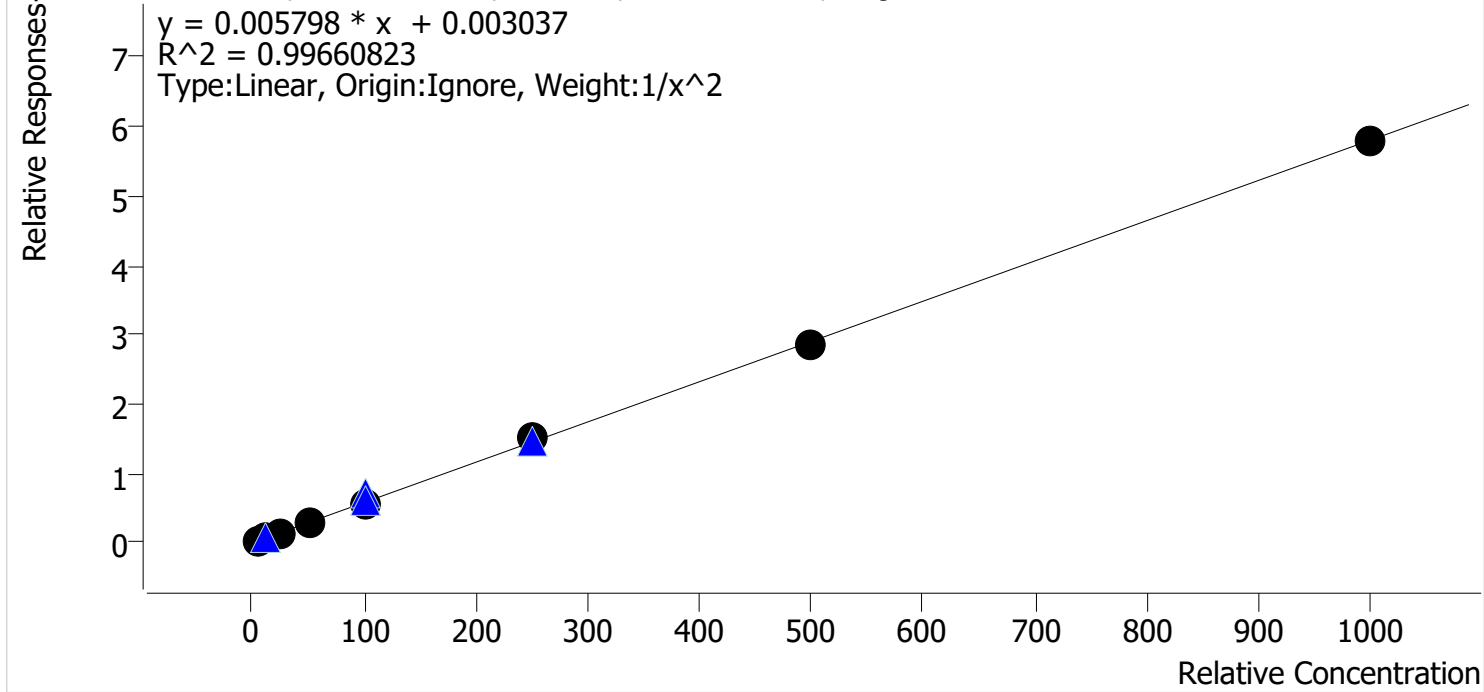
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

alpha-PHP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



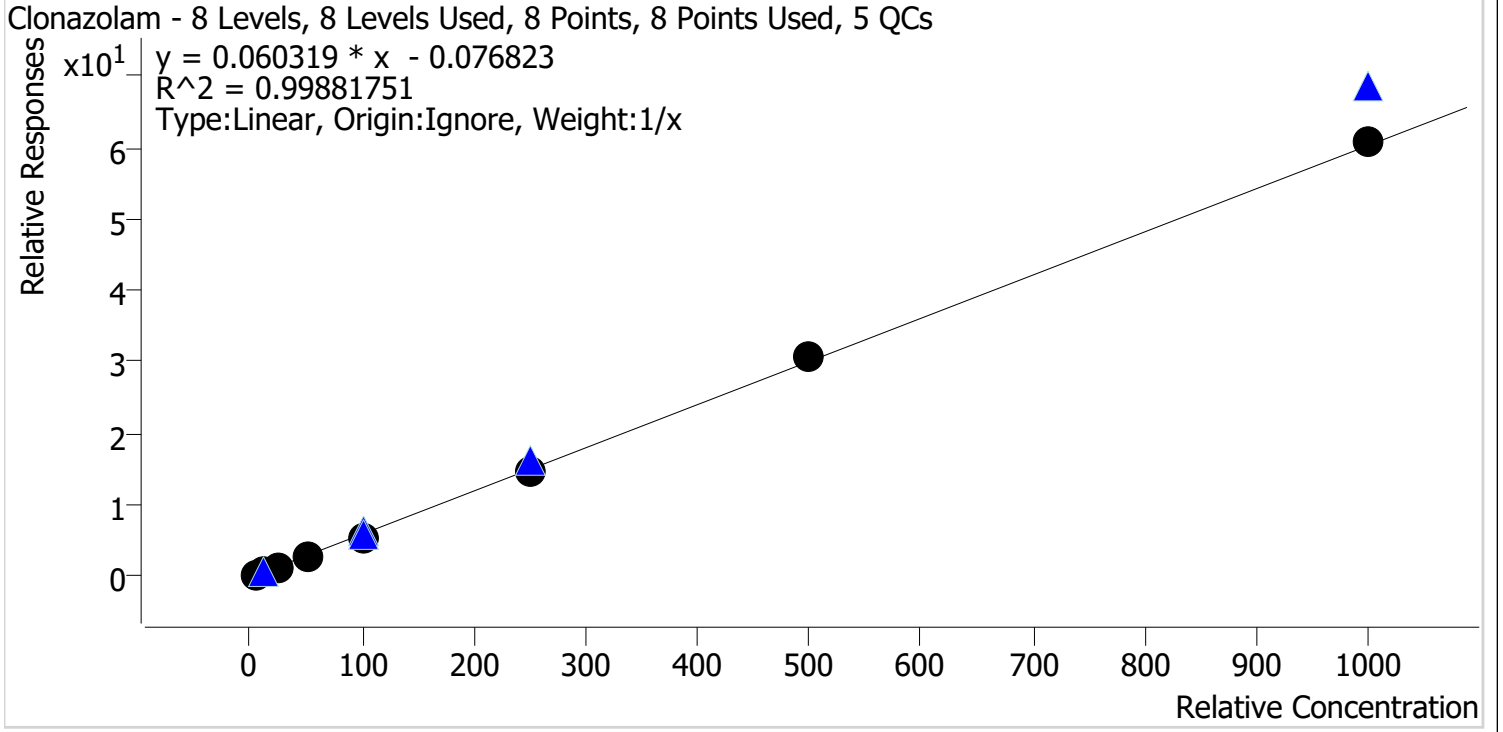
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.8
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	264.5	105.8
p1 Cal 7-500ng	7	✓	500.0	494.5	98.9
p1 Cal 8-1000ng	8	✓	1000.0	996.9	99.7

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.1	121.7
p1 Cal 2-10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.6
p1 Cal 4-50ng	4	✓	50.0	45.4	90.9
p1 Cal 5-100ng	5	✓	100.0	90.0	90.0
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	507.1	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1010.8	101.1

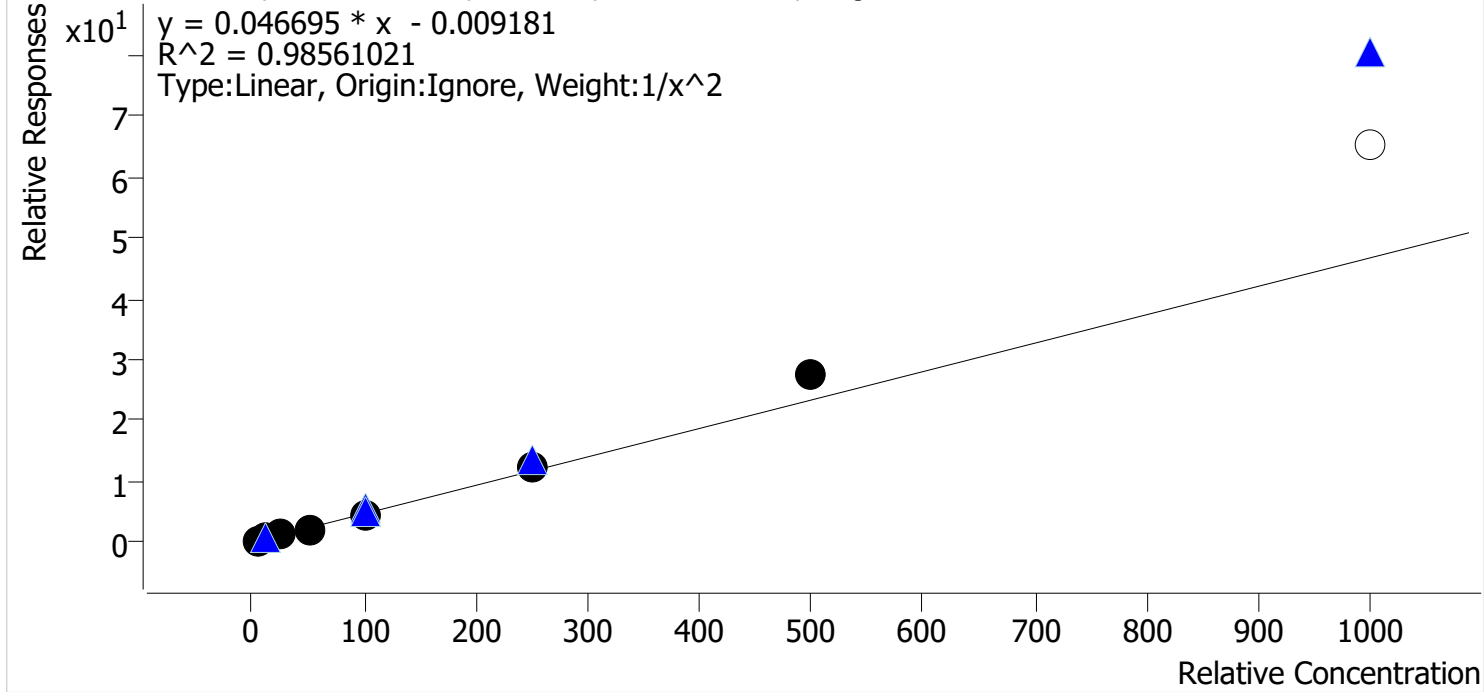
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

Etizolam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



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	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.8
p1 Cal 4-50ng	4	✓	50.0	44.7	89.4
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	262.9	105.2
p1 Cal 7-500ng	7	✓	500.0	593.2	118.6
p1 Cal 8-1000ng	8	x	1000.0	1397.6	139.8

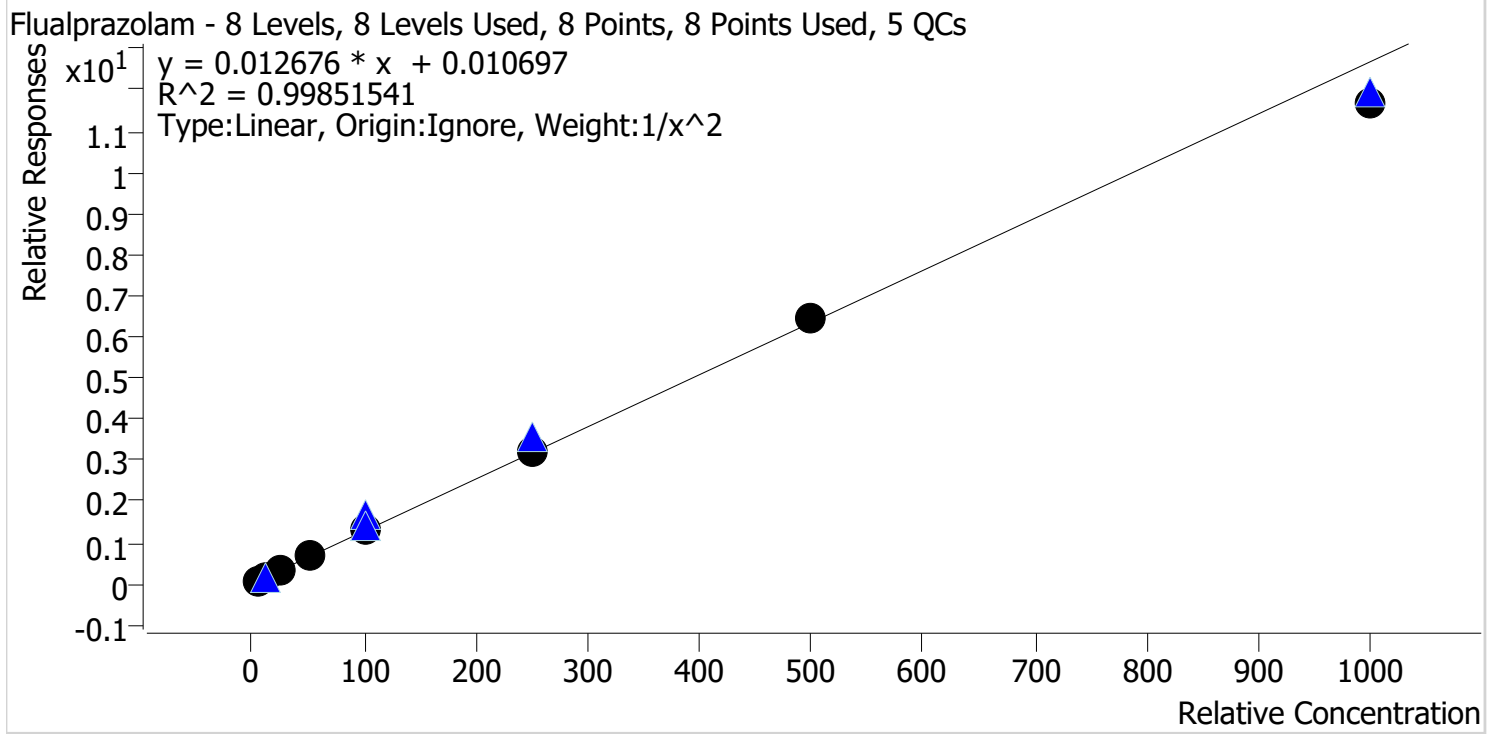
Cal 8 dropped due to not meeting accuracy requirement

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



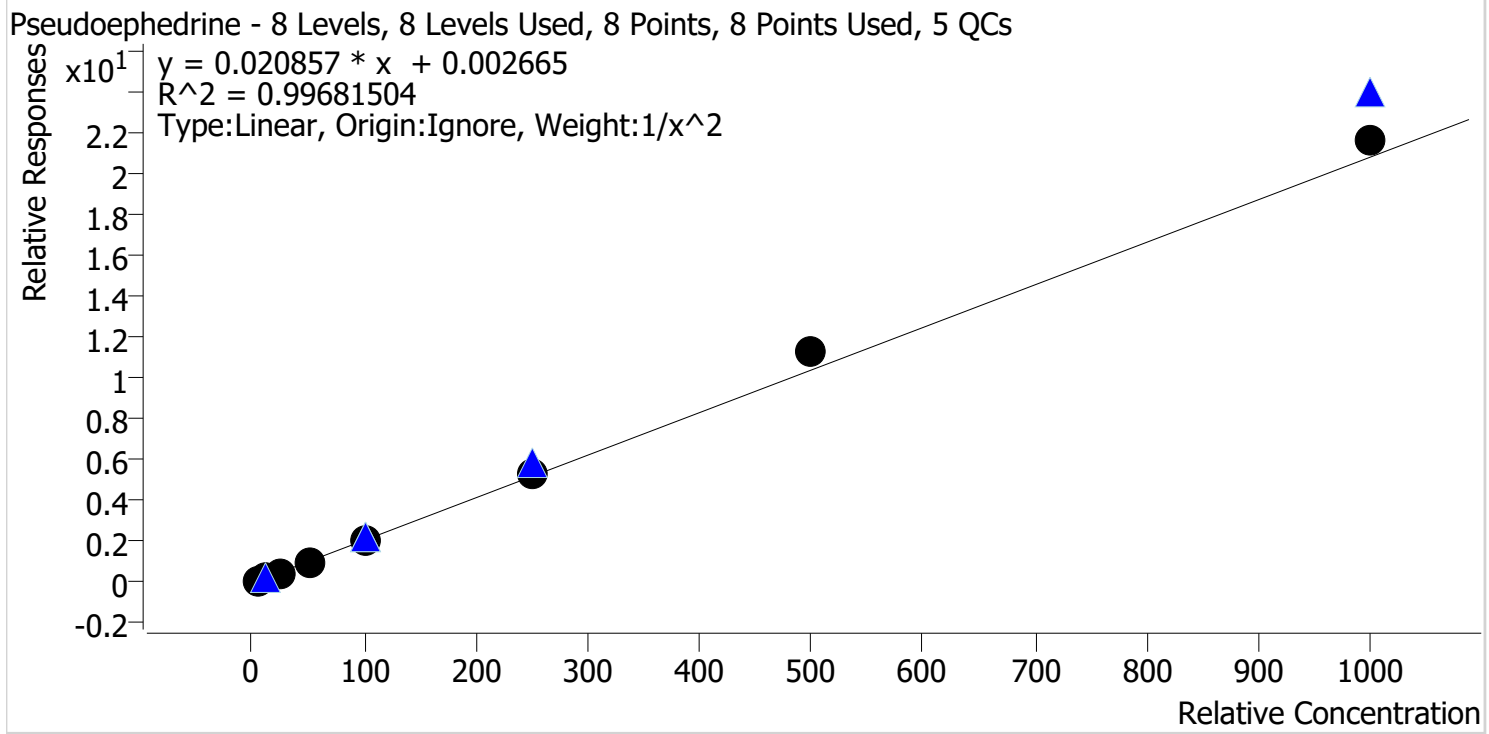
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	508.2	101.6
p1 Cal 8-1000ng	8	✓	1000.0	923.3	92.3



CS SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

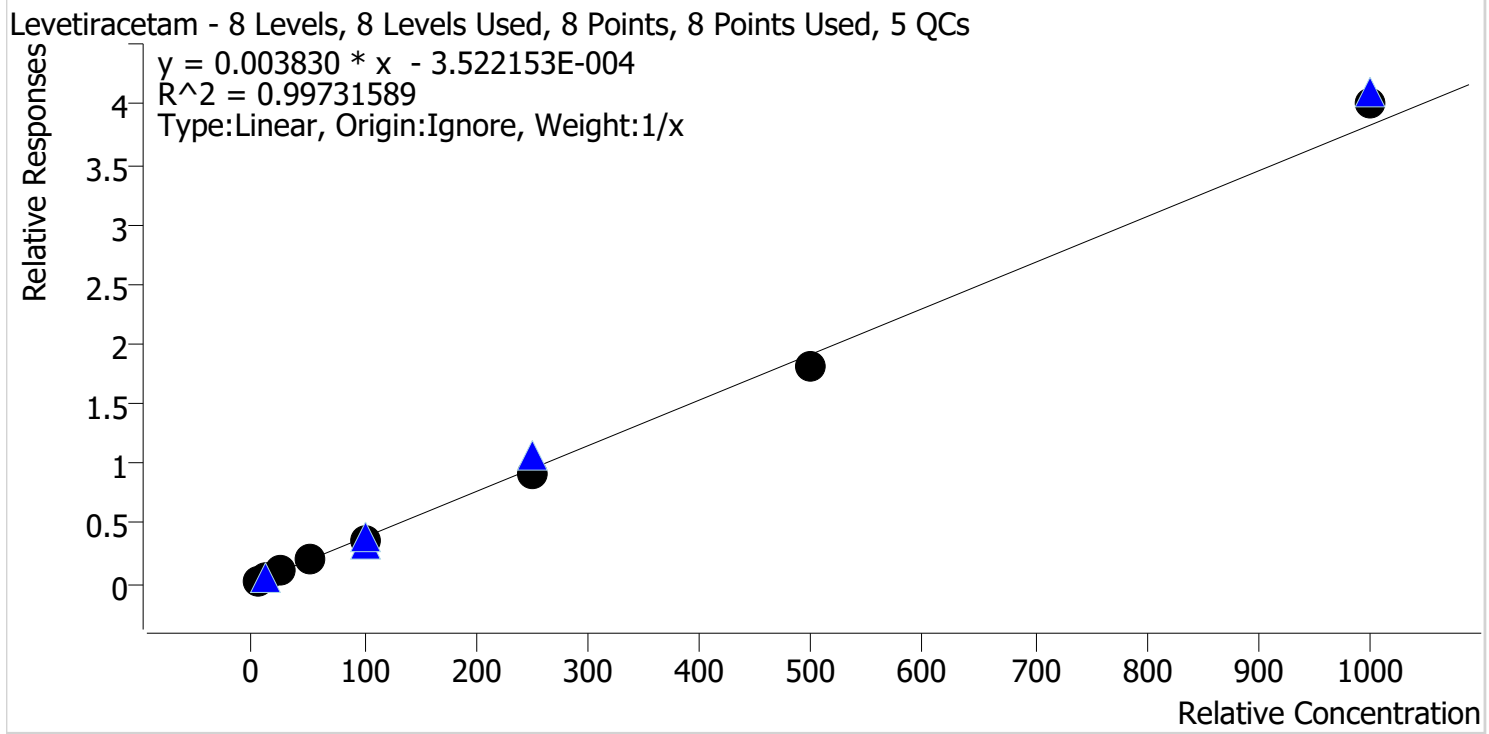


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	541.1	108.2
p1 Cal 8-1000ng	8	✓	1000.0	1036.9	103.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3



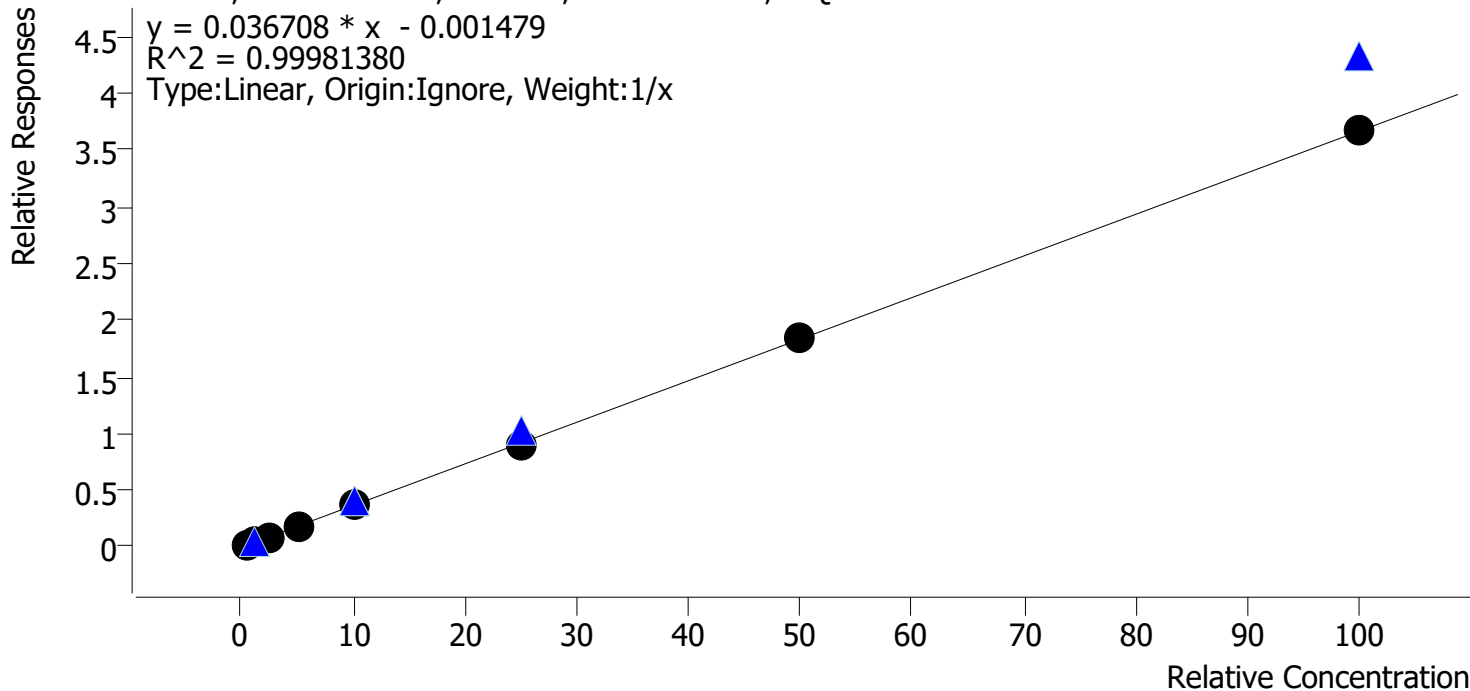
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	94.6	94.6
p1 Cal 6-250ng	6	✓	250.0	237.6	95.0
p1 Cal 7-500ng	7	✓	500.0	471.2	94.2
p1 Cal 8-1000ng	8	✓	1000.0	1046.0	104.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 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, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.6	112.1
p1 Cal 2-10ng	2	✓	1.0	1.0	98.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.9
p1 Cal 4-50ng	4	✓	5.0	4.8	95.9
p1 Cal 5-100ng	5	✓	10.0	9.8	98.4
p1 Cal 6-250ng	6	✓	25.0	24.6	98.6
p1 Cal 7-500ng	7	✓	50.0	50.1	100.2
p1 Cal 8-1000ng	8	✓	100.0	100.7	100.7



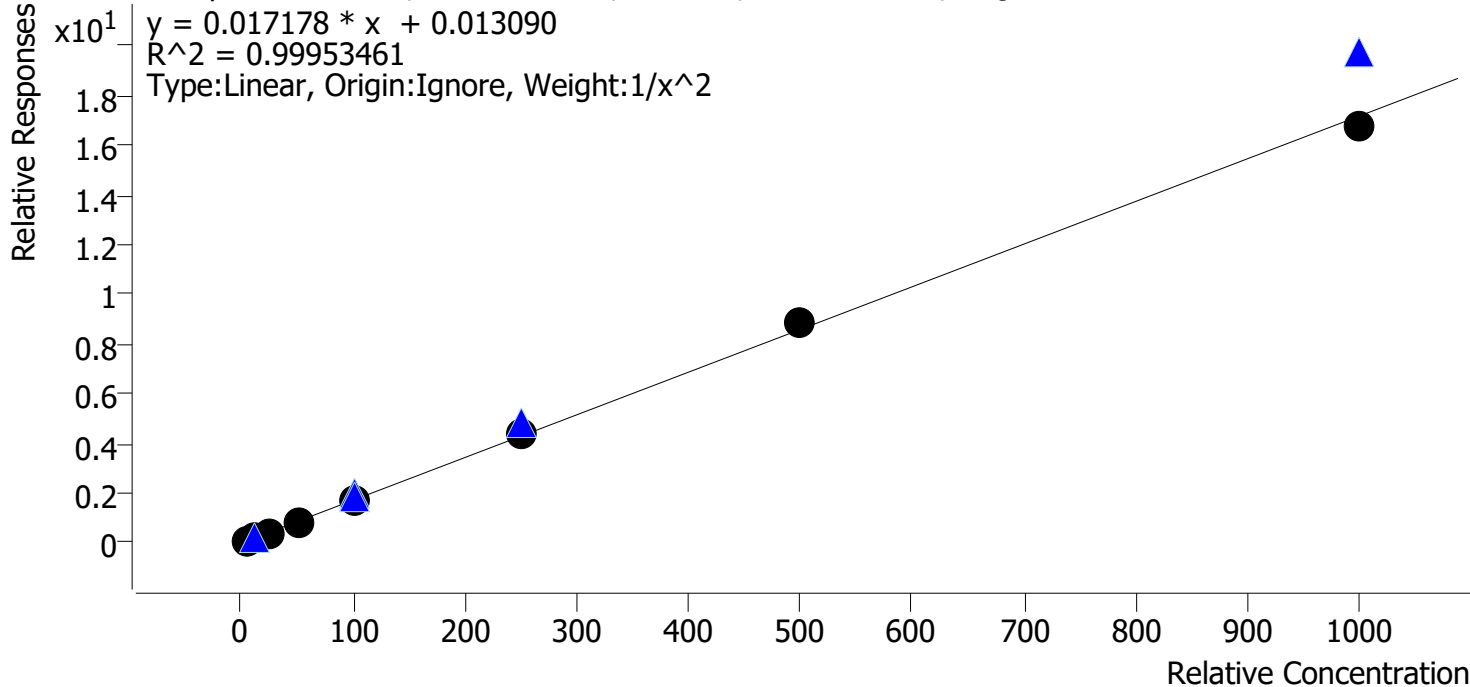


CS SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



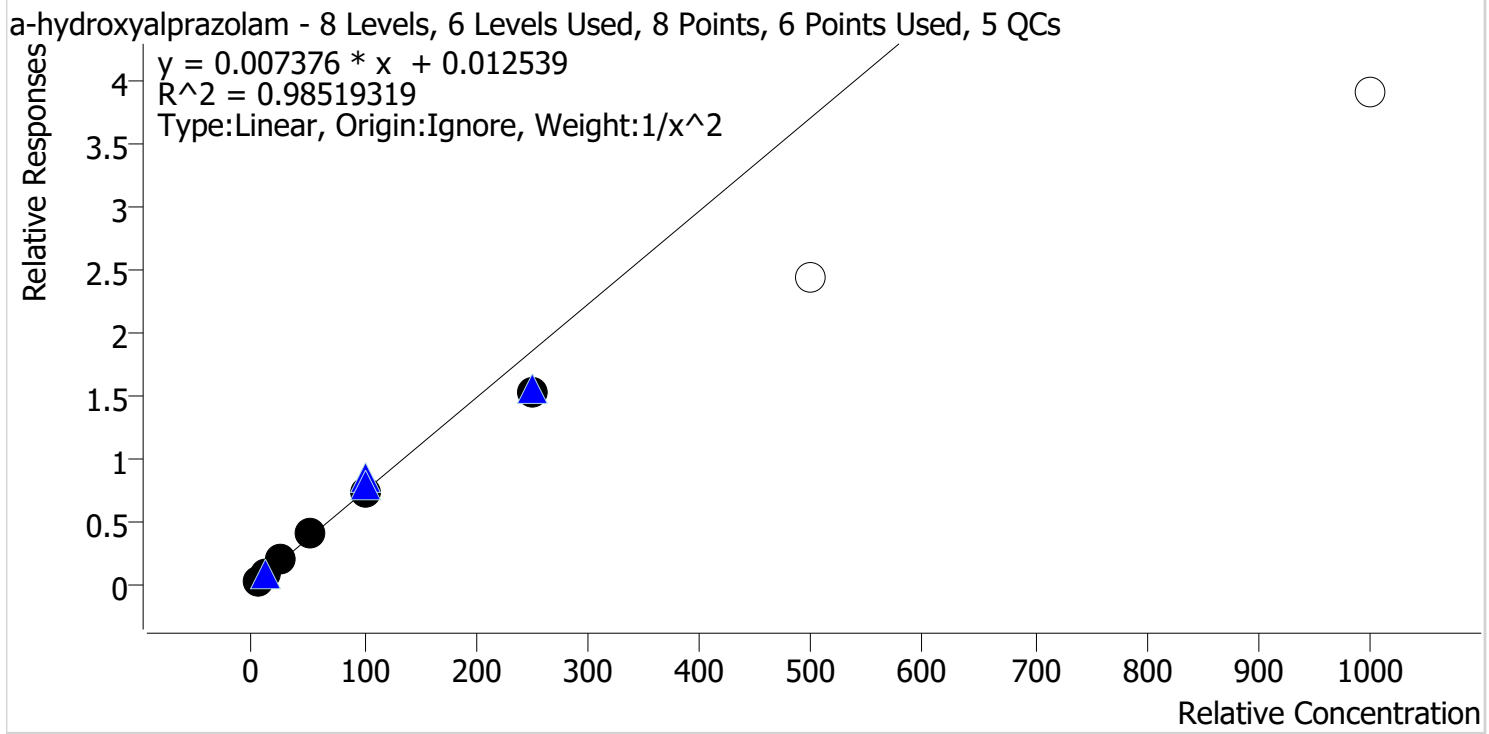
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	517.2	103.4
p1 Cal 8-1000ng	8	✓	1000.0	980.9	98.1

cg SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2-10ng	2	✓	10.0	10.5	105.2
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.1
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	205.9	82.3
p1 Cal 7-500ng	7	✗	500.0	330.5	66.1
p1 Cal 8-1000ng	8	✗	1000.0	526.3	52.6

Cals 7 and 8 dropped due to not meeting accuracy requirement

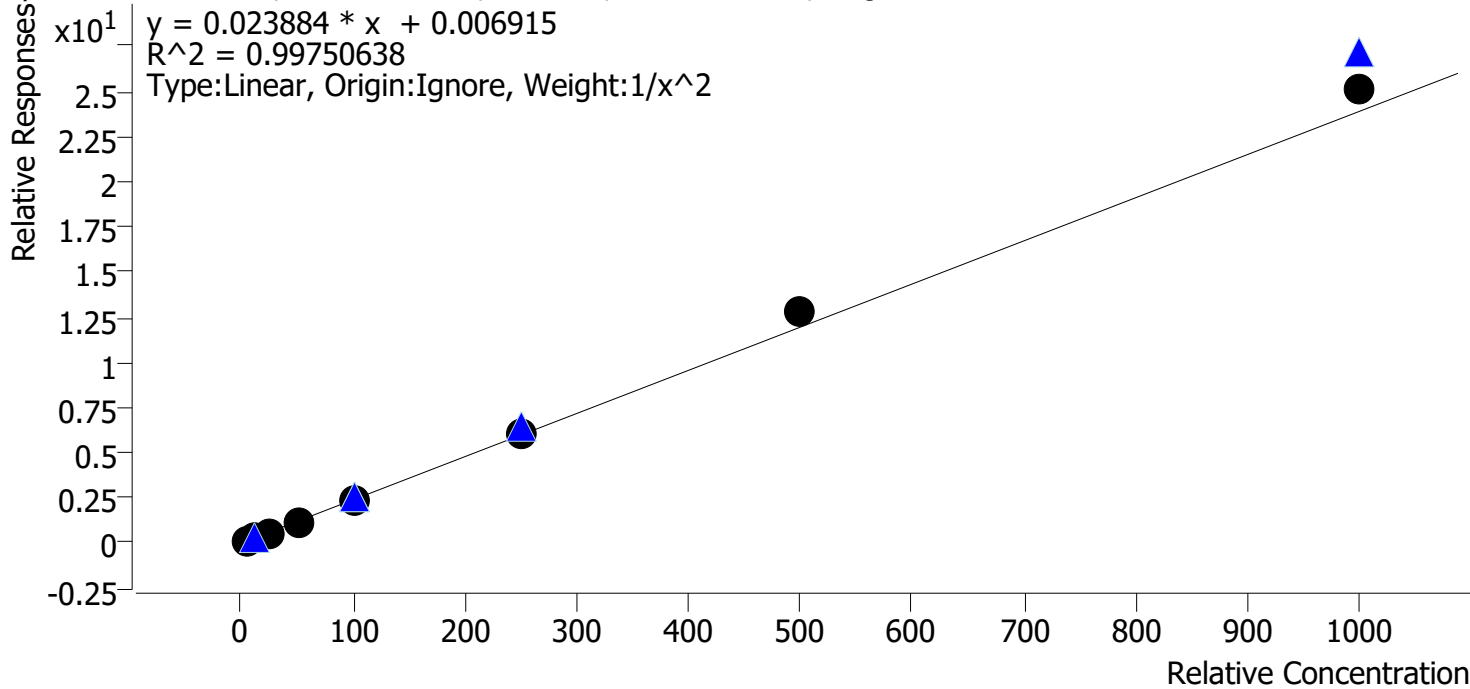
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 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, 5 QCs



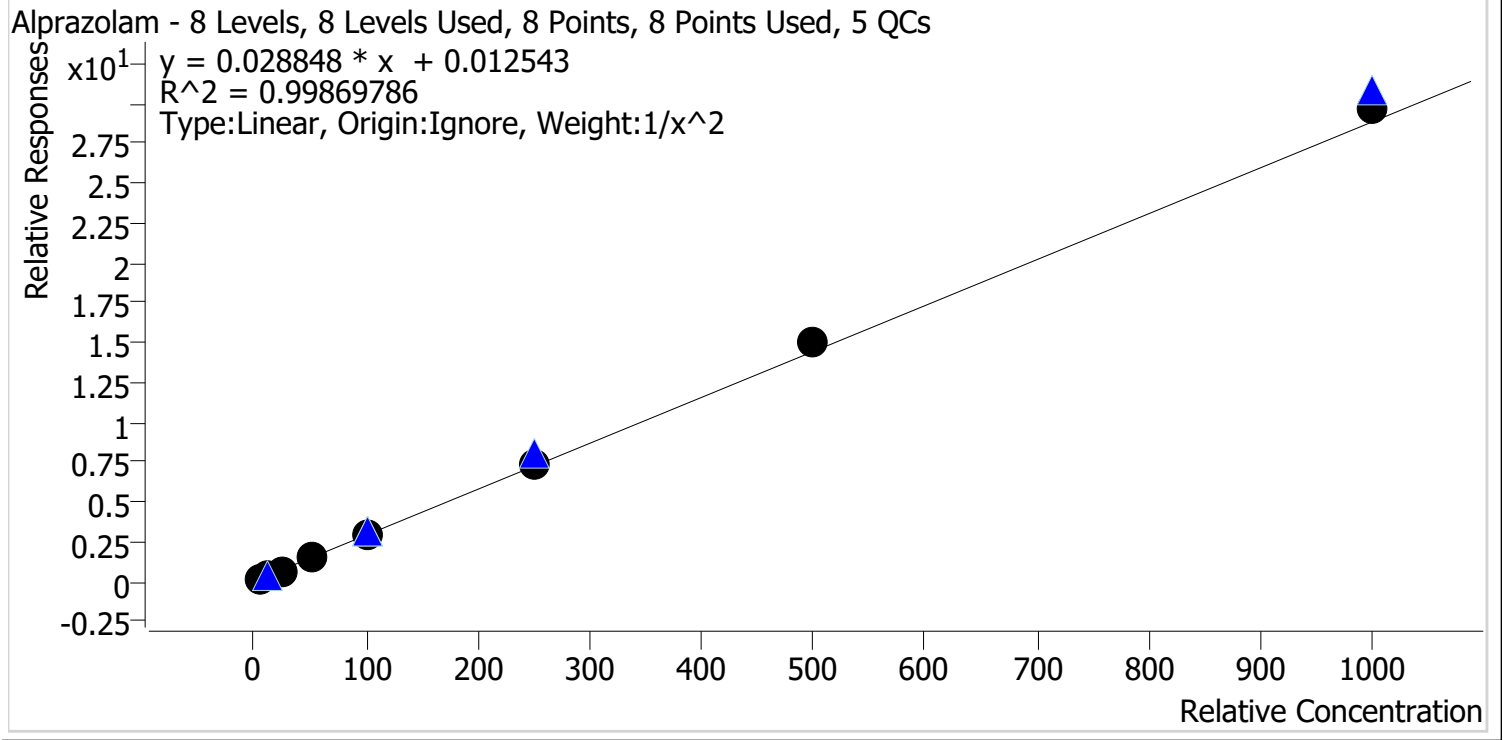
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	48.5	96.9
p1 Cal 5-100ng	5	✓	100.0	95.2	95.2
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	532.9	106.6
p1 Cal 8-1000ng	8	✓	1000.0	1051.7	105.2

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



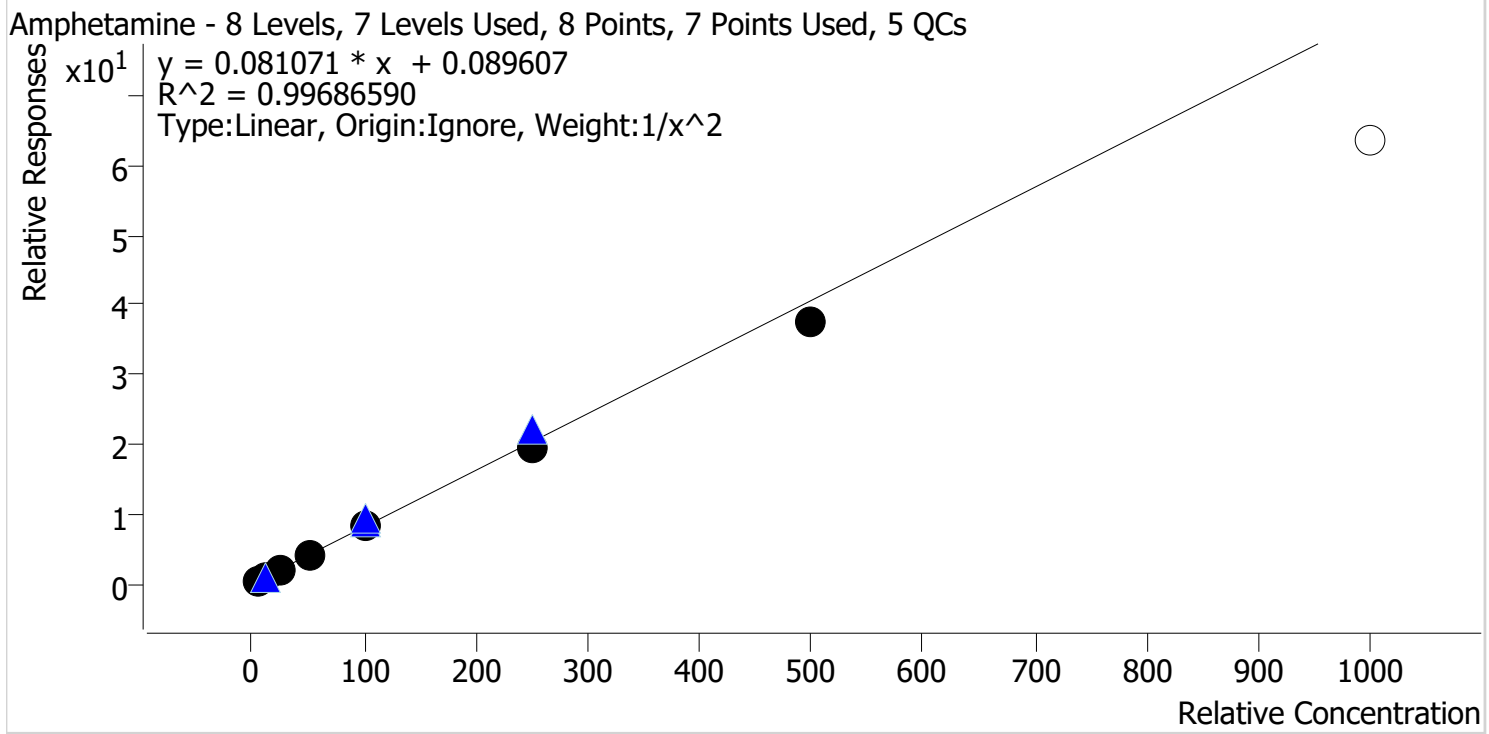
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	48.5	96.9
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	520.0	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1031.9	103.2

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	242.7	97.1
p1 Cal 7-500ng	7	✓	500.0	460.4	92.1
p1 Cal 8-1000ng	8	✗	1000.0	783.6	78.4

Cal 8 dropped due to not meeting accuracy requirement

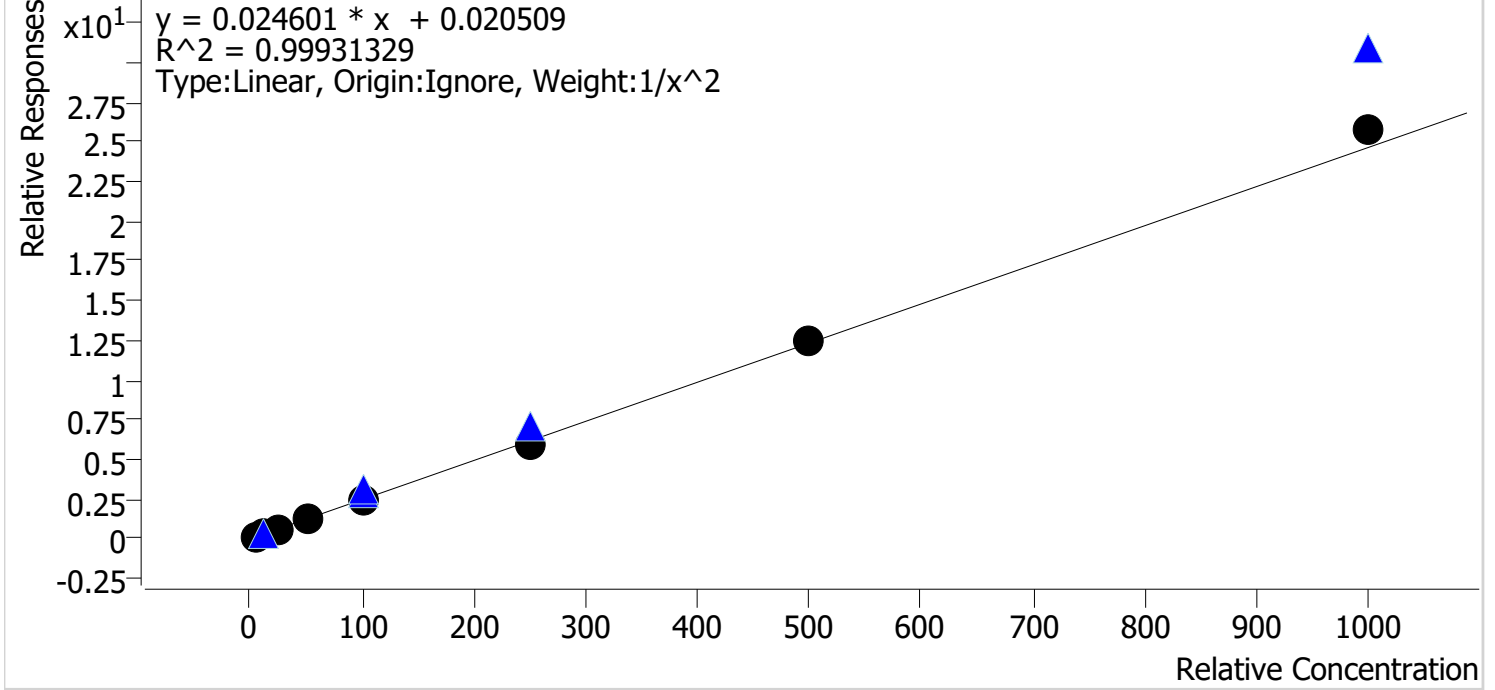
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

Benzoylecgonine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	245.1	98.0
p1 Cal 7-500ng	7	✓	500.0	509.4	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1042.1	104.2

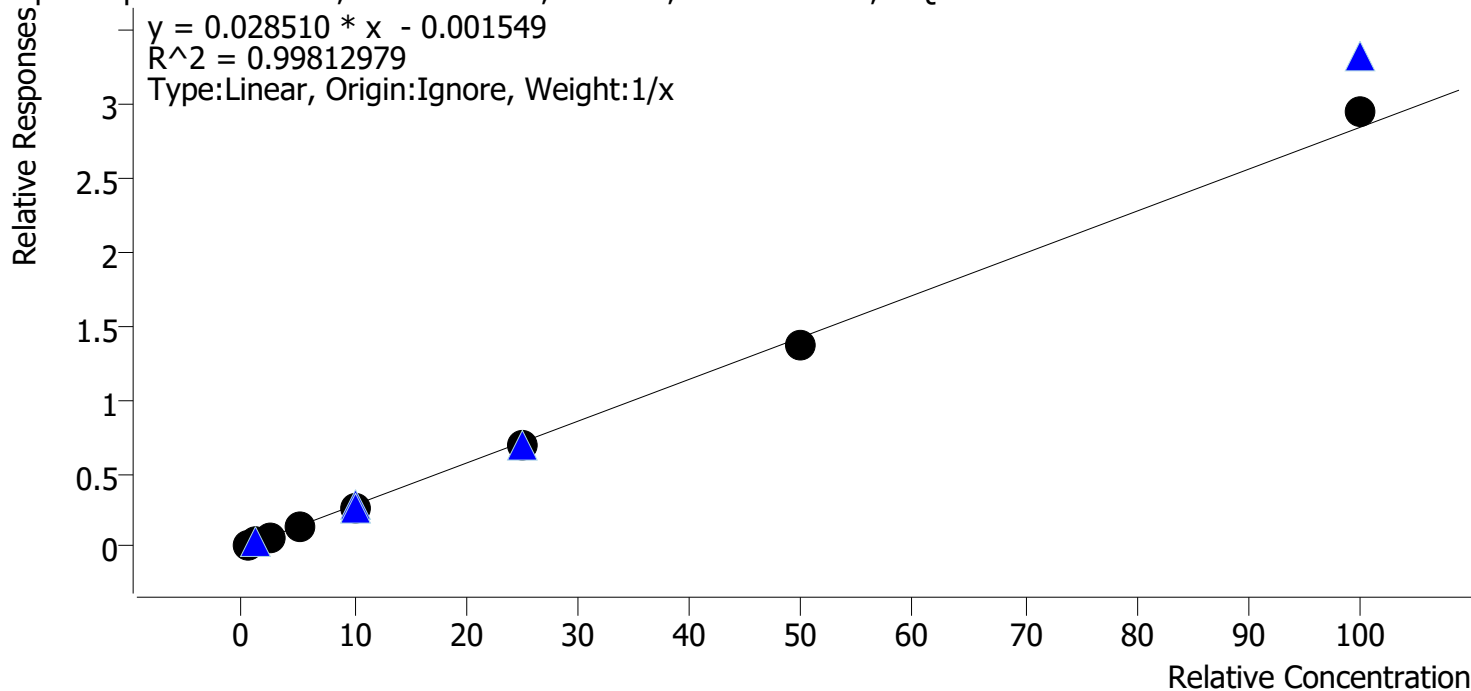
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

Buprenorphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



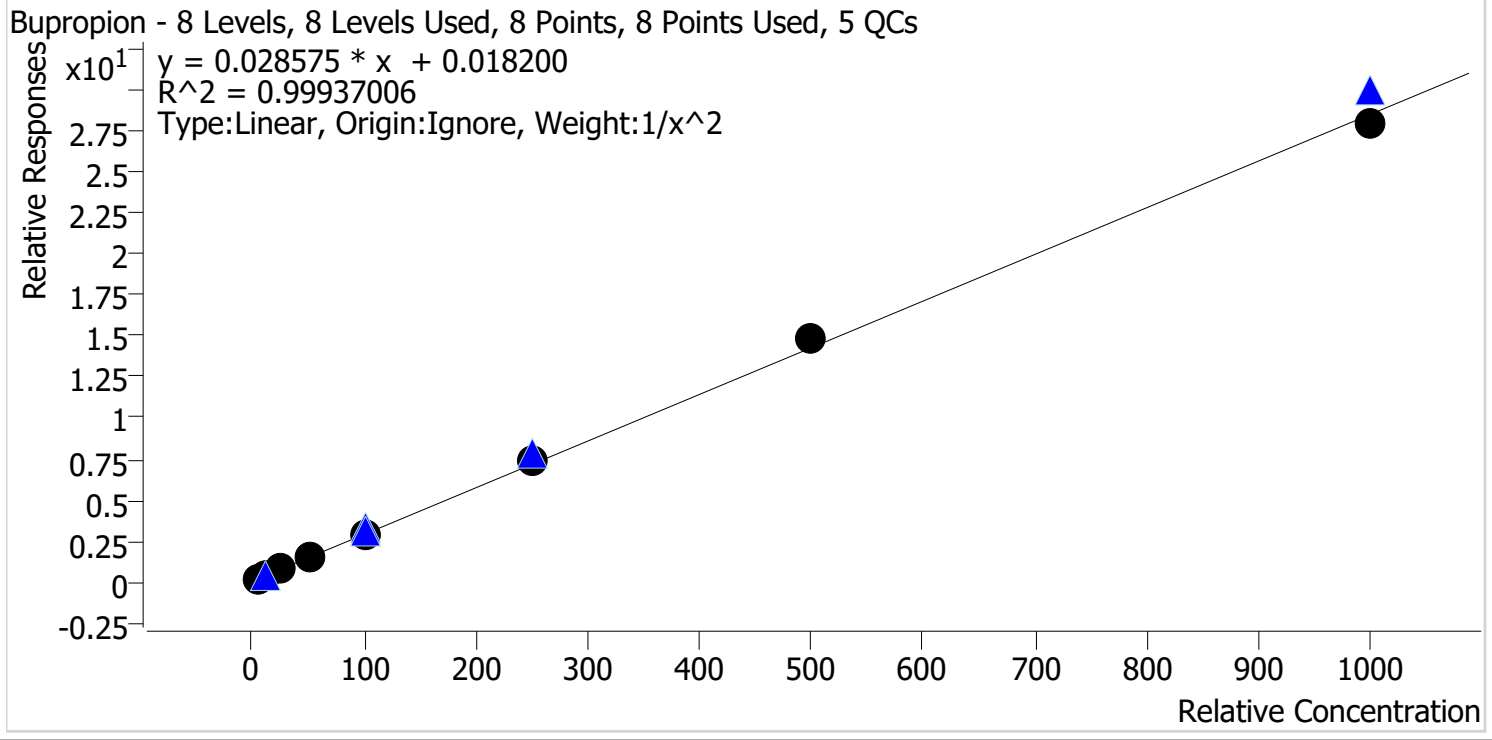
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.6	119.4
p1 Cal 2-10ng	2	✓	1.0	1.1	107.4
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.0
p1 Cal 4-50ng	4	✓	5.0	4.6	92.4
p1 Cal 5-100ng	5	✓	10.0	9.1	91.2
p1 Cal 6-250ng	6	✓	25.0	24.6	98.6
p1 Cal 7-500ng	7	✓	50.0	48.3	96.5
p1 Cal 8-1000ng	8	✓	100.0	103.4	103.4

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 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	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	256.1	102.4
p1 Cal 7-500ng	7	✓	500.0	519.5	103.9
p1 Cal 8-1000ng	8	✓	1000.0	984.1	98.4



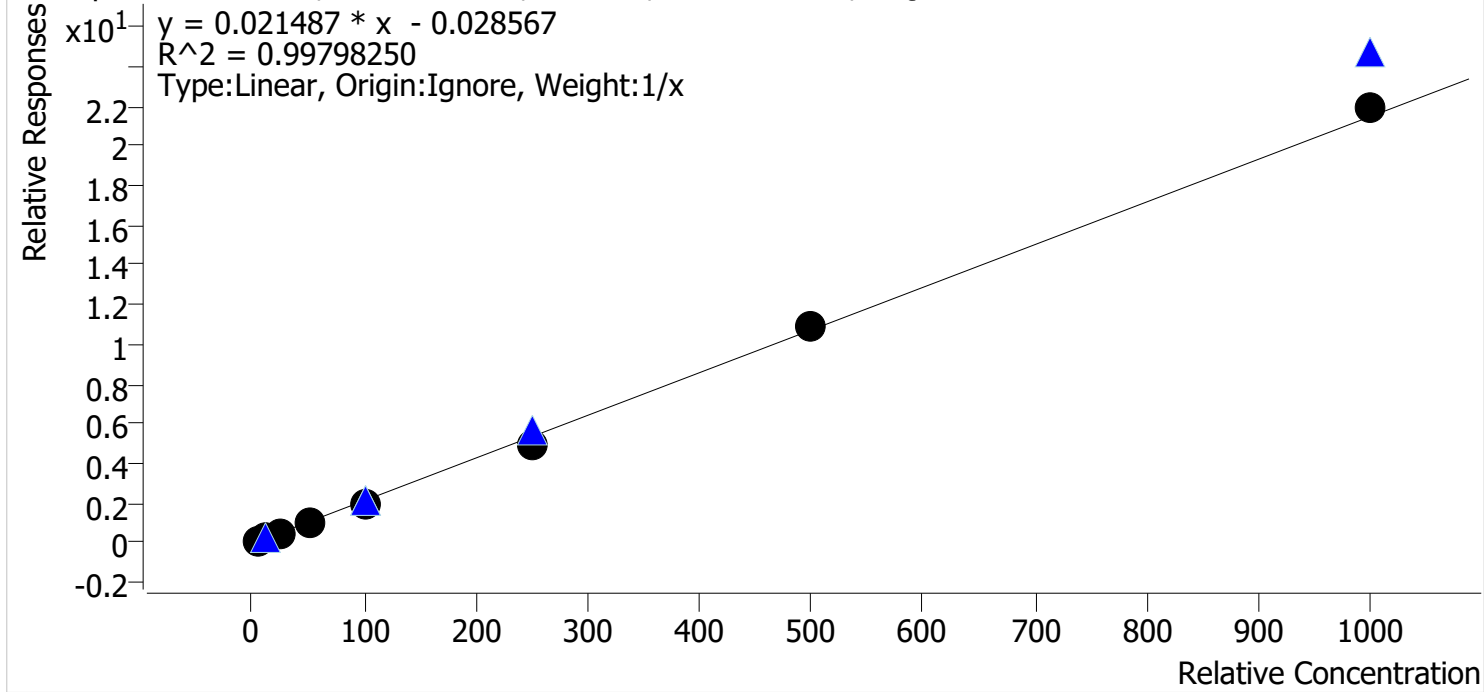
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

Carisoprodol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.2	123.6
p1 Cal 2-10ng	2	✓	10.0	10.5	105.1
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.4
p1 Cal 4-50ng	4	✓	50.0	45.7	91.3
p1 Cal 5-100ng	5	✓	100.0	90.7	90.7
p1 Cal 6-250ng	6	✓	250.0	232.6	93.1
p1 Cal 7-500ng	7	✓	500.0	507.4	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1023.9	102.4

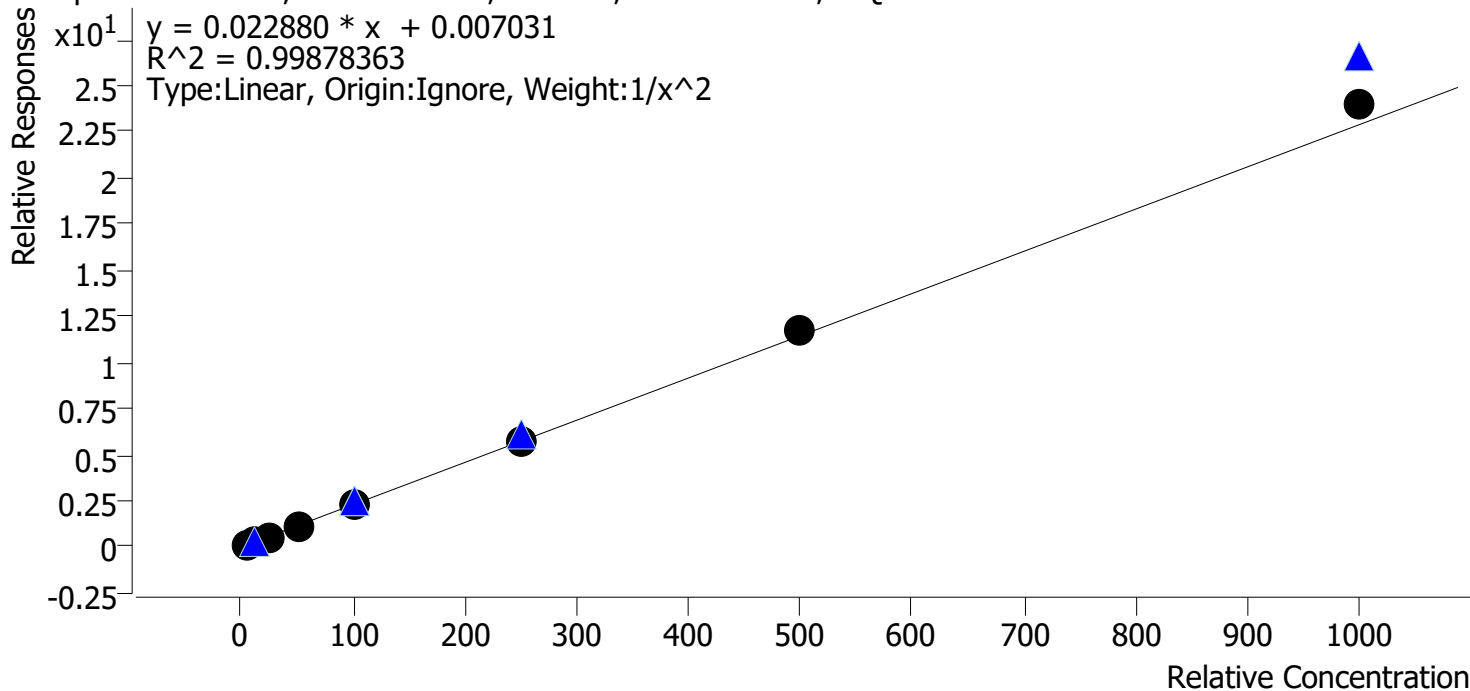


CS SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



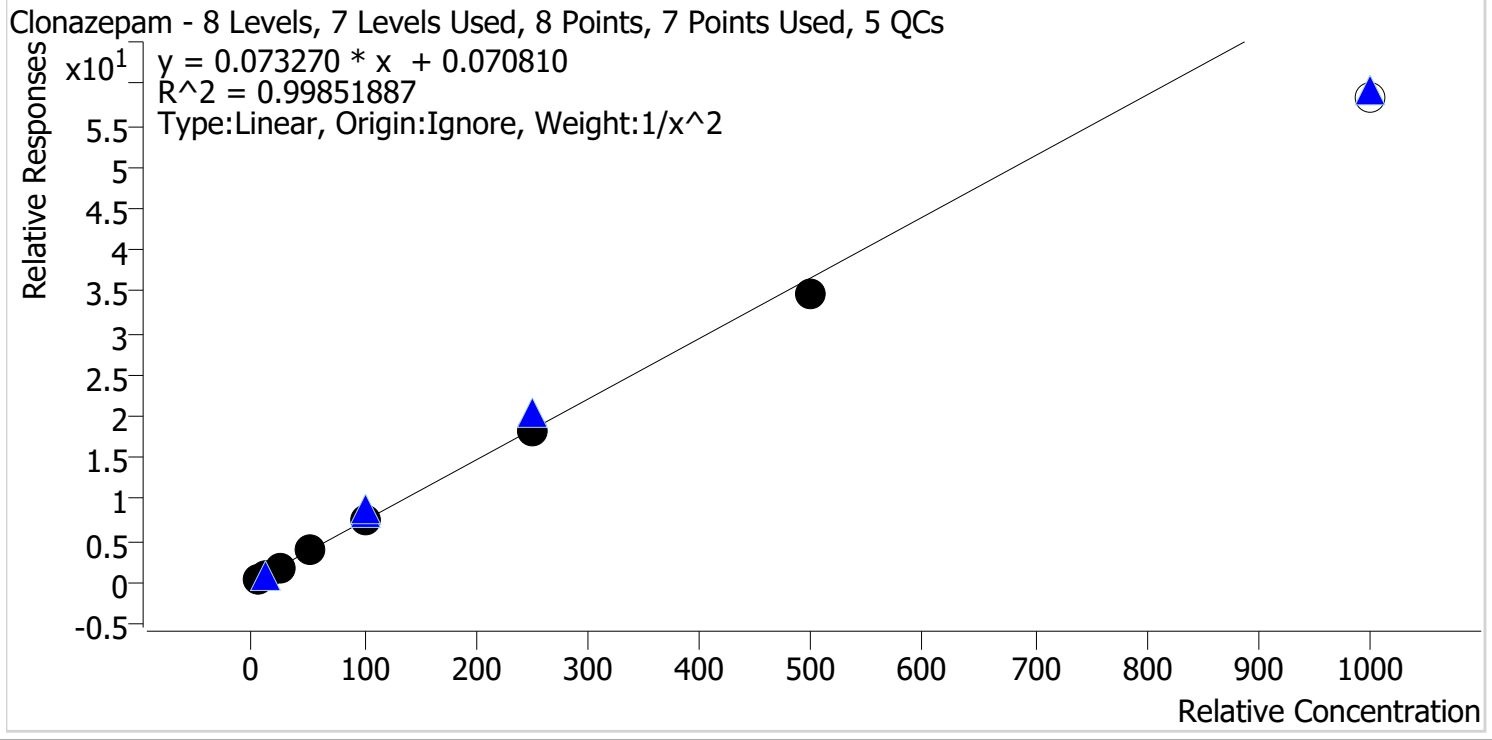
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	47.8	95.6
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	251.9	100.7
p1 Cal 7-500ng	7	✓	500.0	512.8	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1048.0	104.8

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	245.1	98.1
p1 Cal 7-500ng	7	✓	500.0	474.7	94.9
p1 Cal 8-1000ng	8	✗	1000.0	794.0	79.4

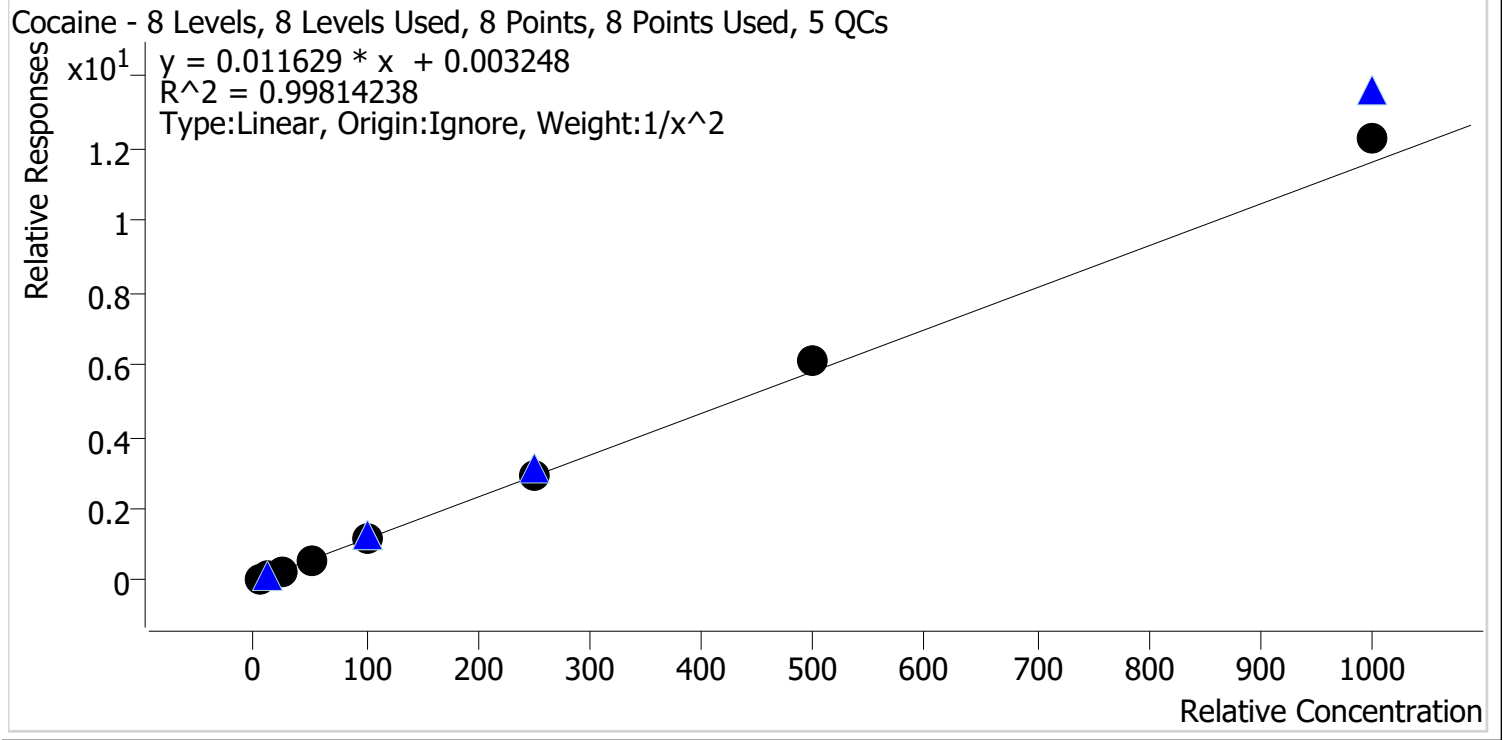
Cal 8 dropped due to not meeting accuracy requirement

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	525.1	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1054.7	105.5

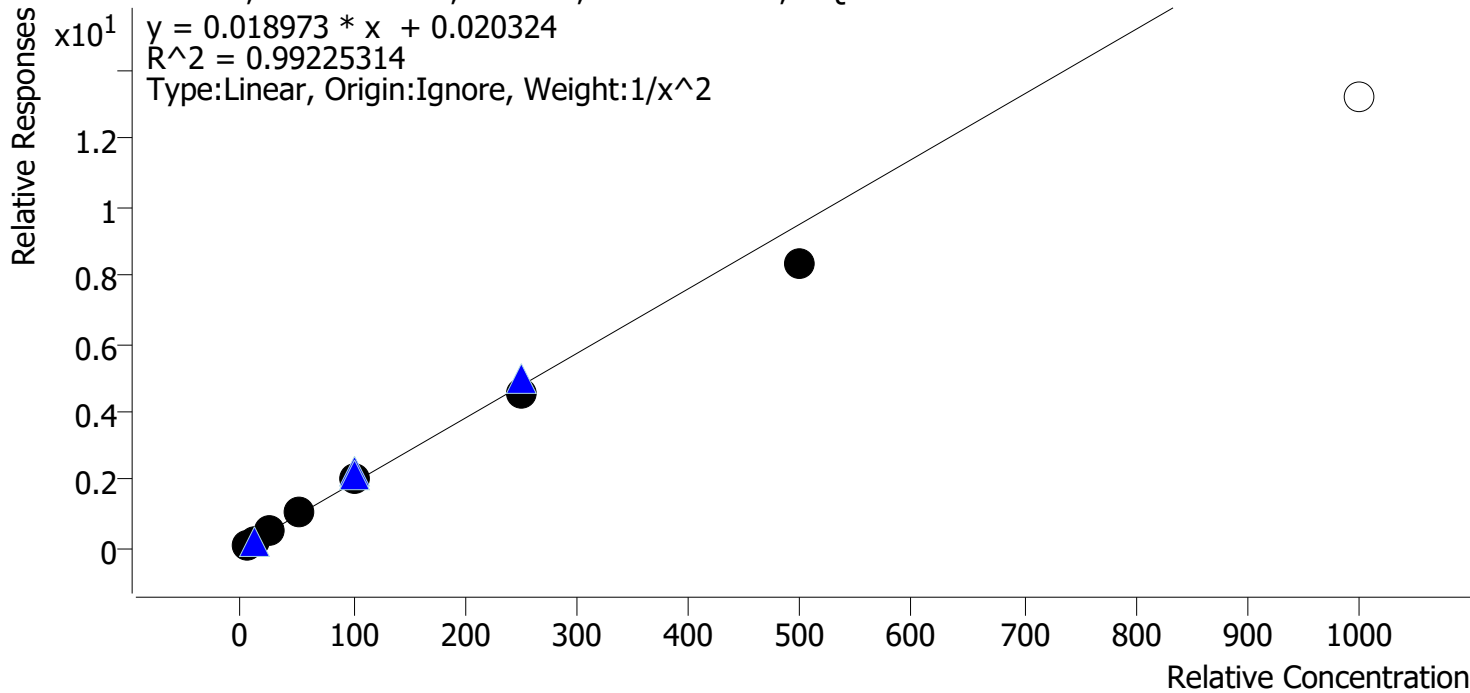
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

Codeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.2
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	237.7	95.1
p1 Cal 7-500ng	7	✓	500.0	436.7	87.3
p1 Cal 8-1000ng	8	✗	1000.0	695.8	69.6

Cal 8 dropped due to not meeting accuracy requirement

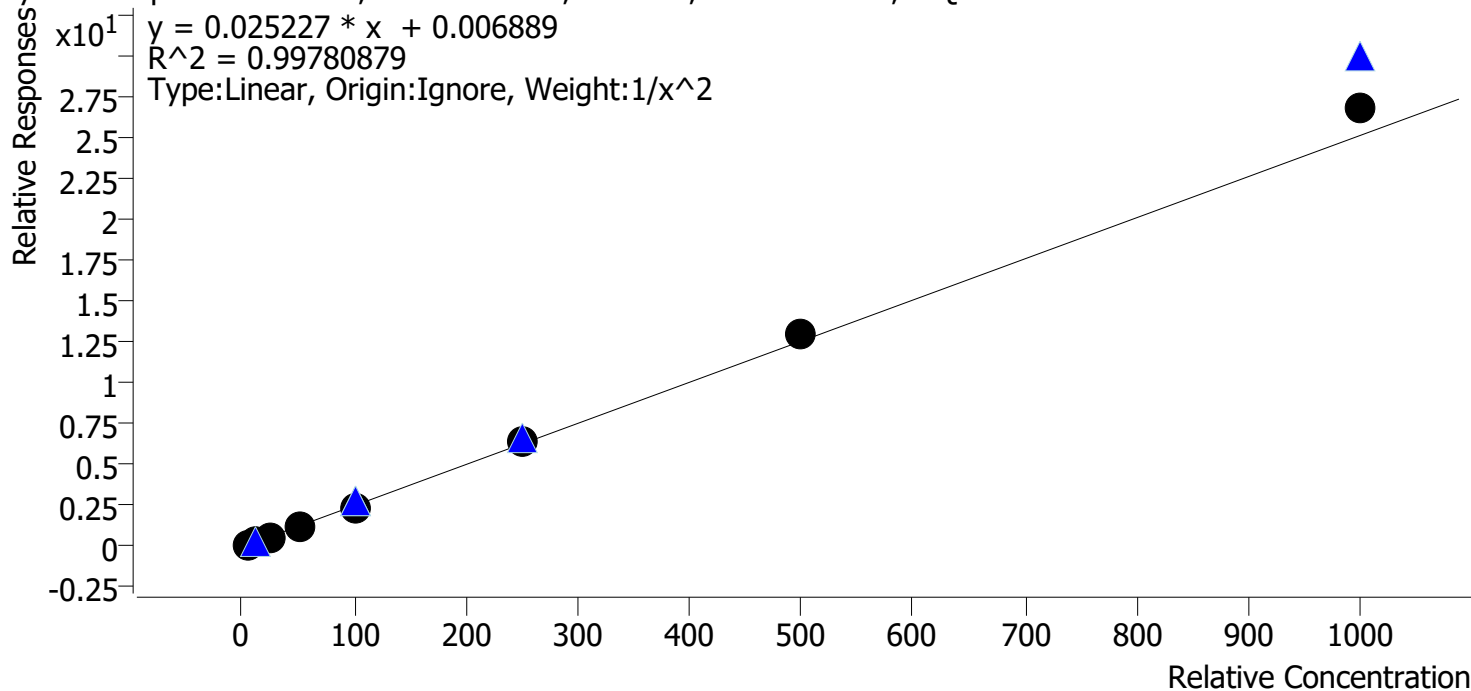
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

Cyclobenzaprine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



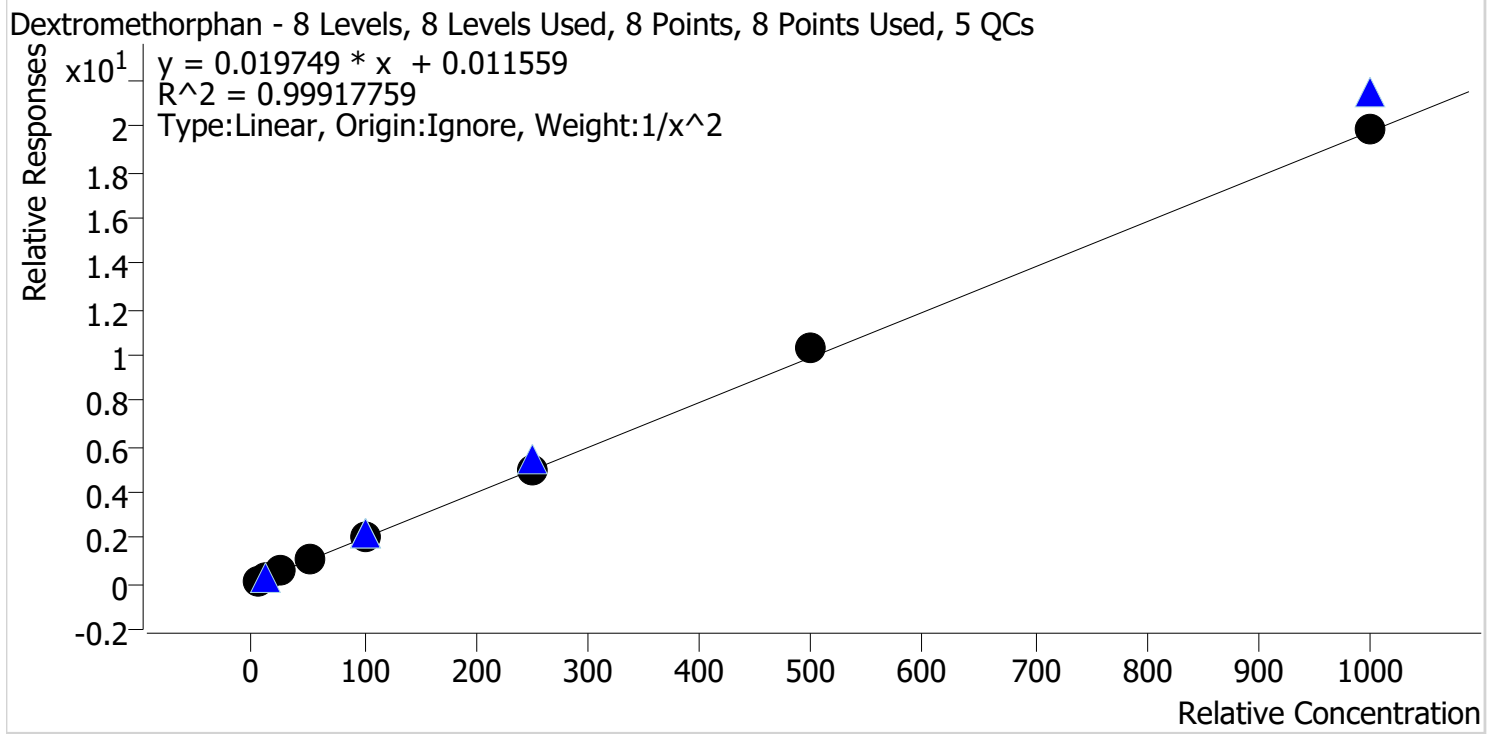
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	47.7	95.3
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	253.1	101.3
p1 Cal 7-500ng	7	✓	500.0	515.7	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1070.5	107.1

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



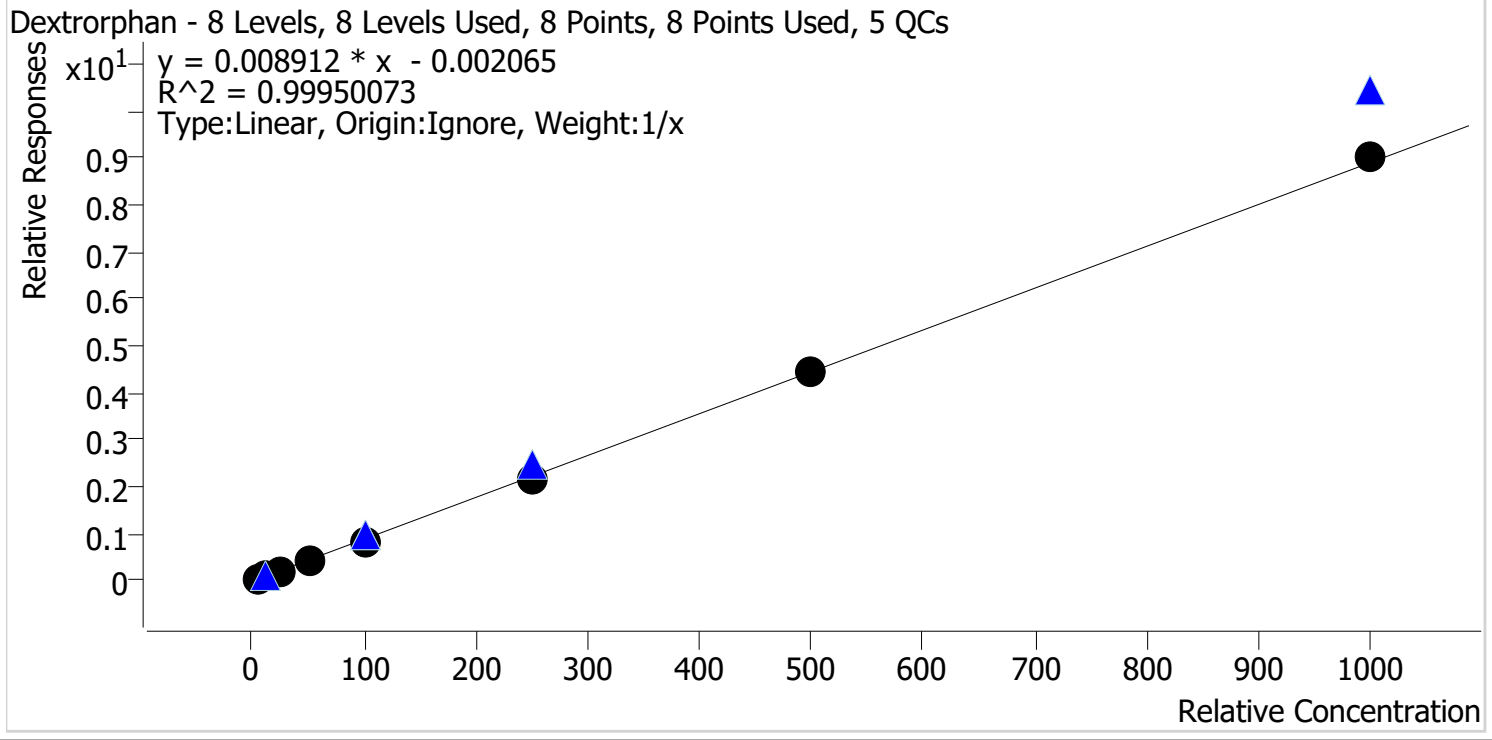
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	521.8	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1008.8	100.9

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrophan Internal Standard Dextrophan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	109.6
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	95.2	95.2
p1 Cal 6-250ng	6	✓	250.0	240.9	96.4
p1 Cal 7-500ng	7	✓	500.0	503.5	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1012.1	101.2

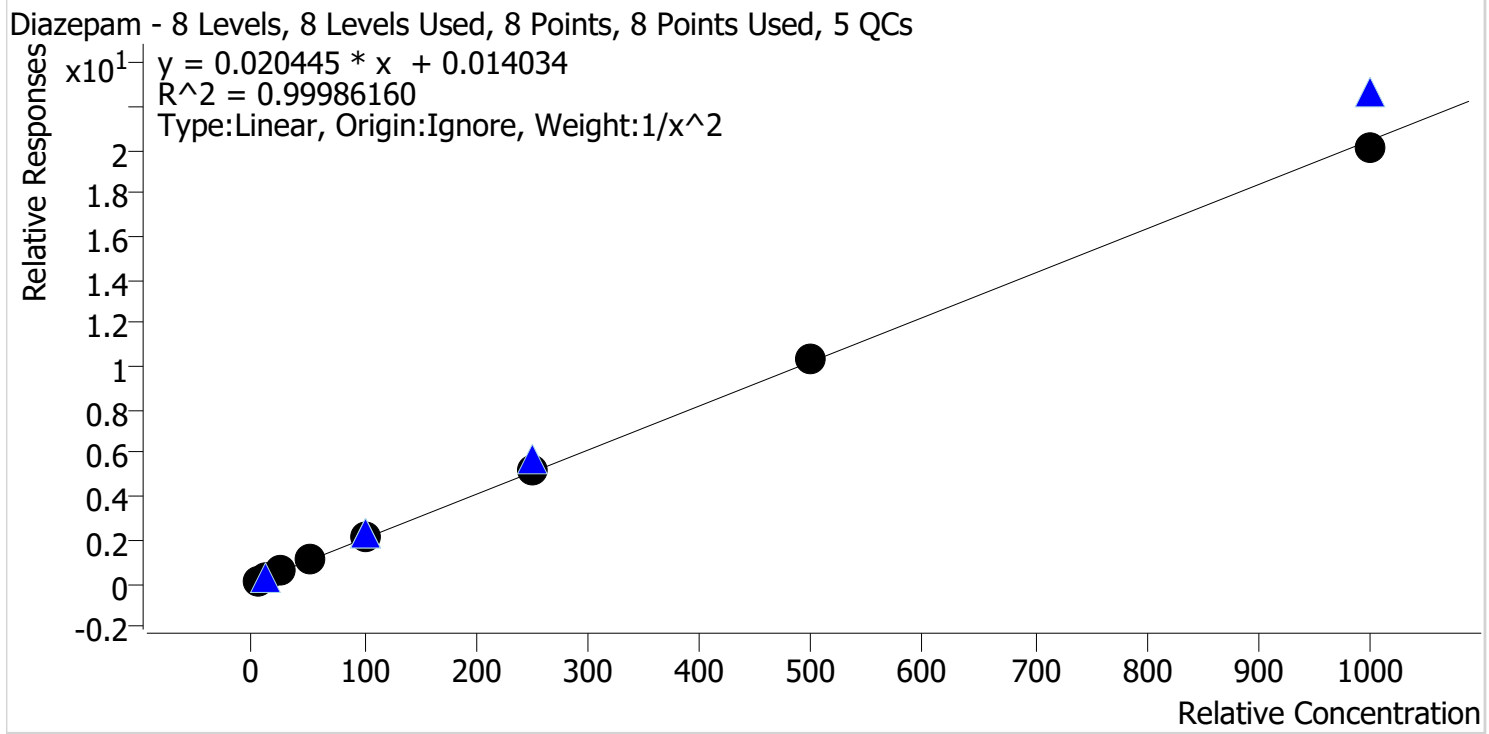


CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 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	100.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	506.8	101.4
p1 Cal 8-1000ng	8	✓	1000.0	983.7	98.4

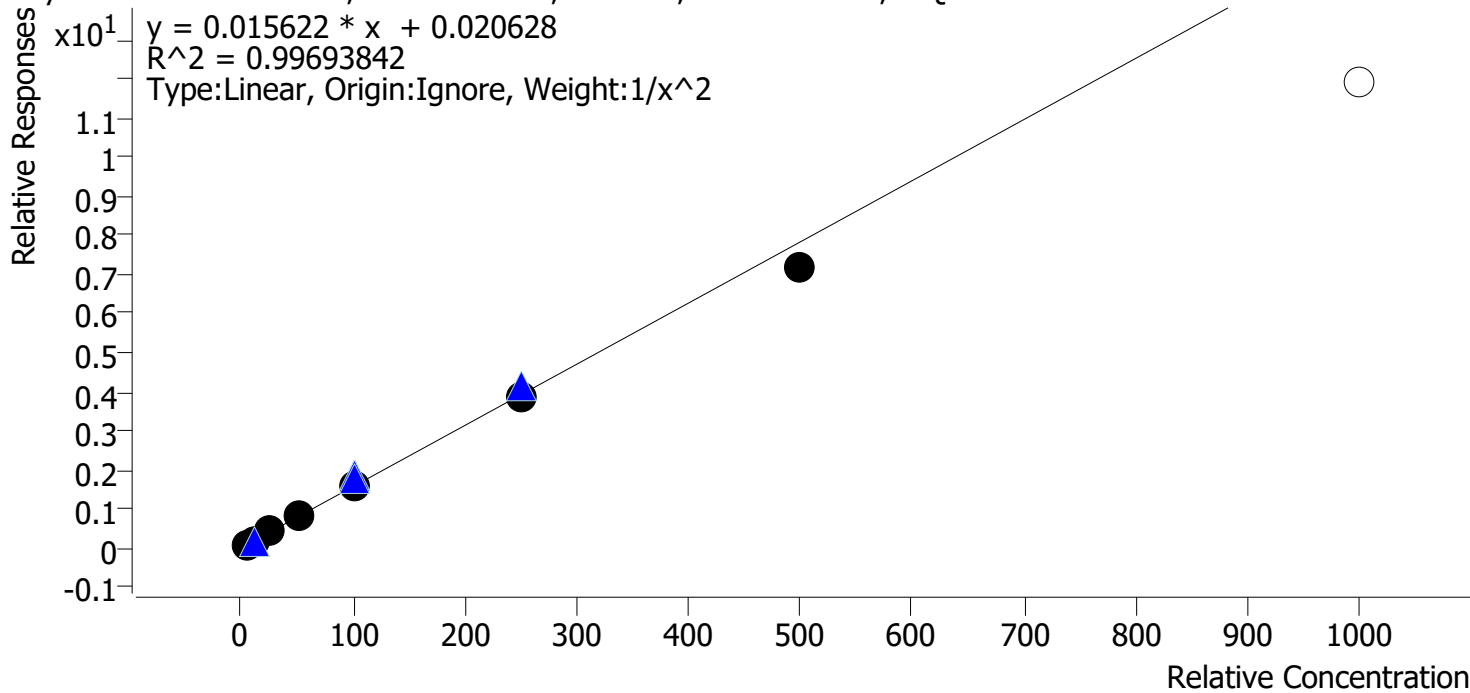
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

Dihydrocodeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 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	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.6
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	456.0	91.2
p1 Cal 8-1000ng	8	✗	1000.0	764.1	76.4

Cal 8 dropped due to not meeting accuracy requirement

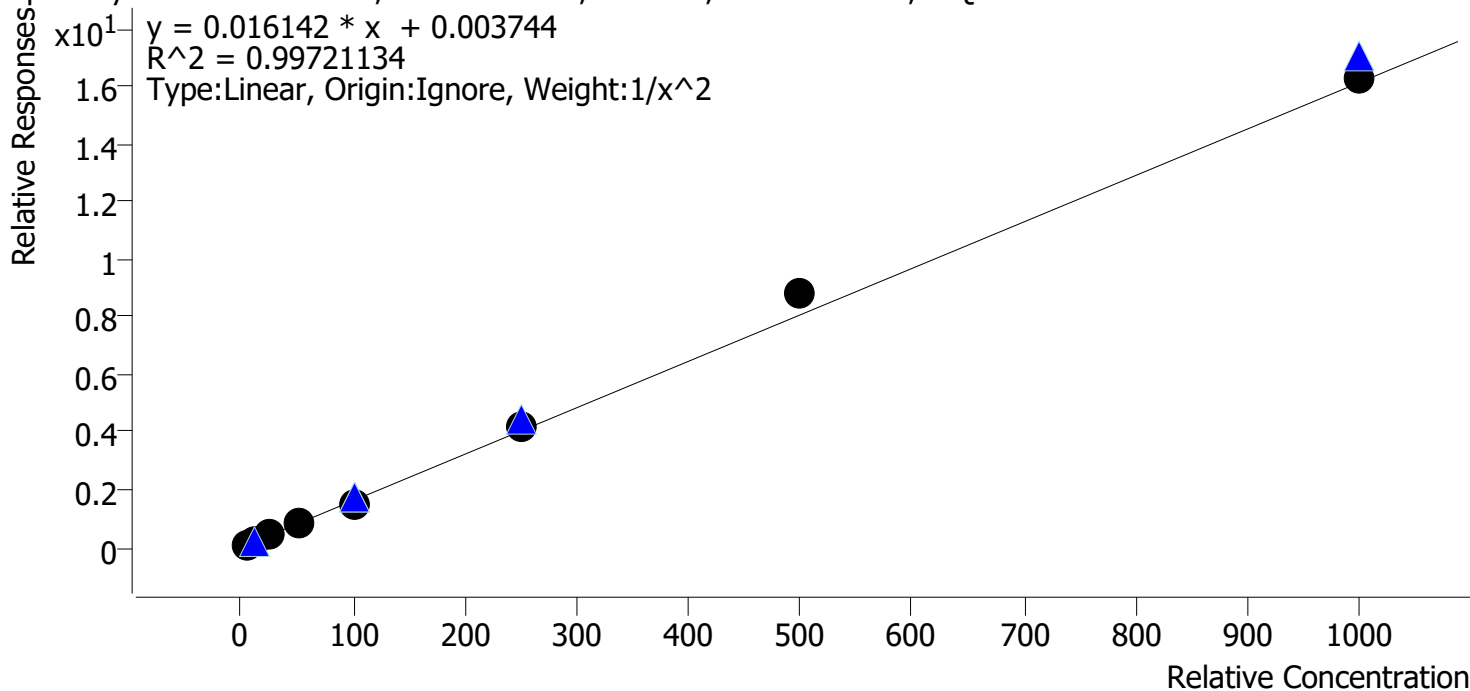
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



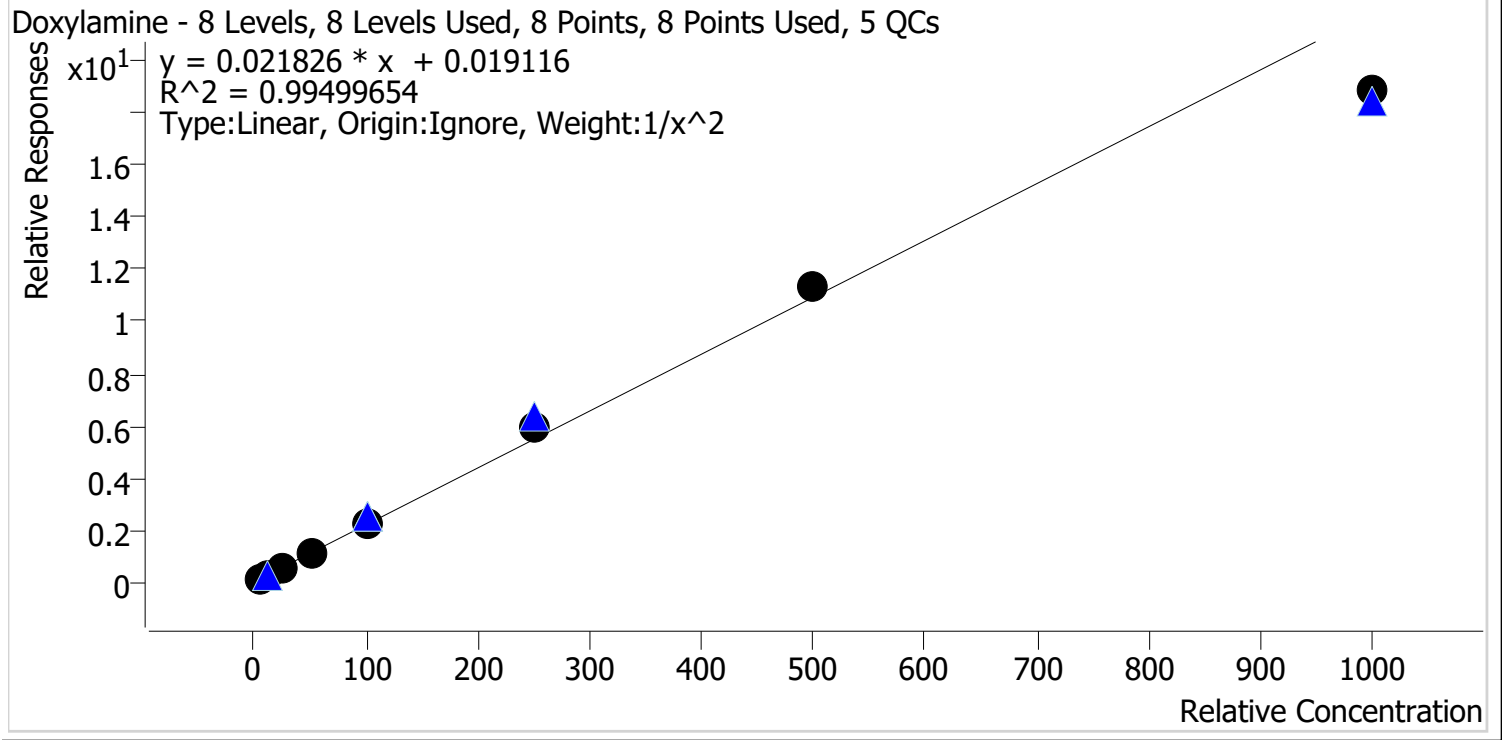
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	95.2	95.2
p1 Cal 6-250ng	6	✓	250.0	256.4	102.6
p1 Cal 7-500ng	7	✓	500.0	542.7	108.5
p1 Cal 8-1000ng	8	✓	1000.0	1013.3	101.3

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 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	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	268.7	107.5
p1 Cal 7-500ng	7	✓	500.0	518.3	103.7
p1 Cal 8-1000ng	8	✓	1000.0	863.6	86.4

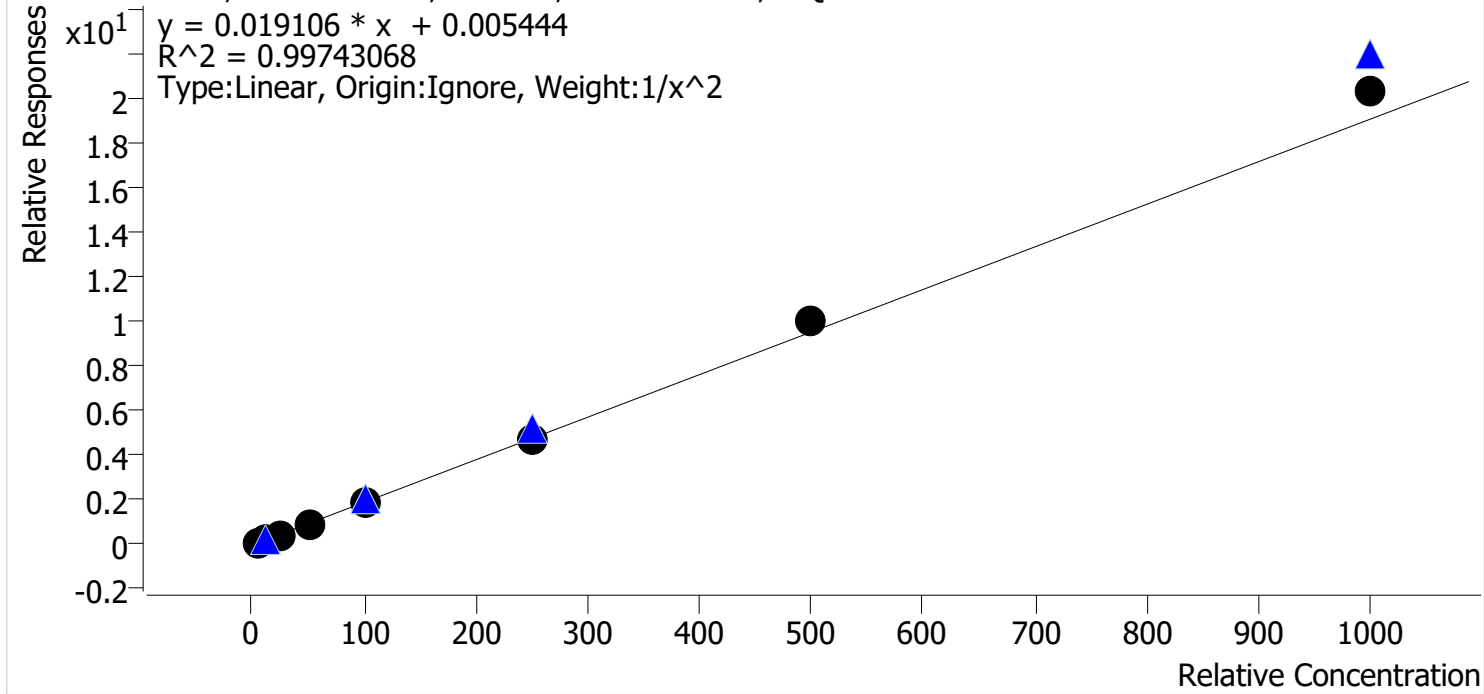
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 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	99.0
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.2
p1 Cal 4-50ng	4	✓	50.0	47.7	95.3
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	527.0	105.4
p1 Cal 8-1000ng	8	✓	1000.0	1064.1	106.4

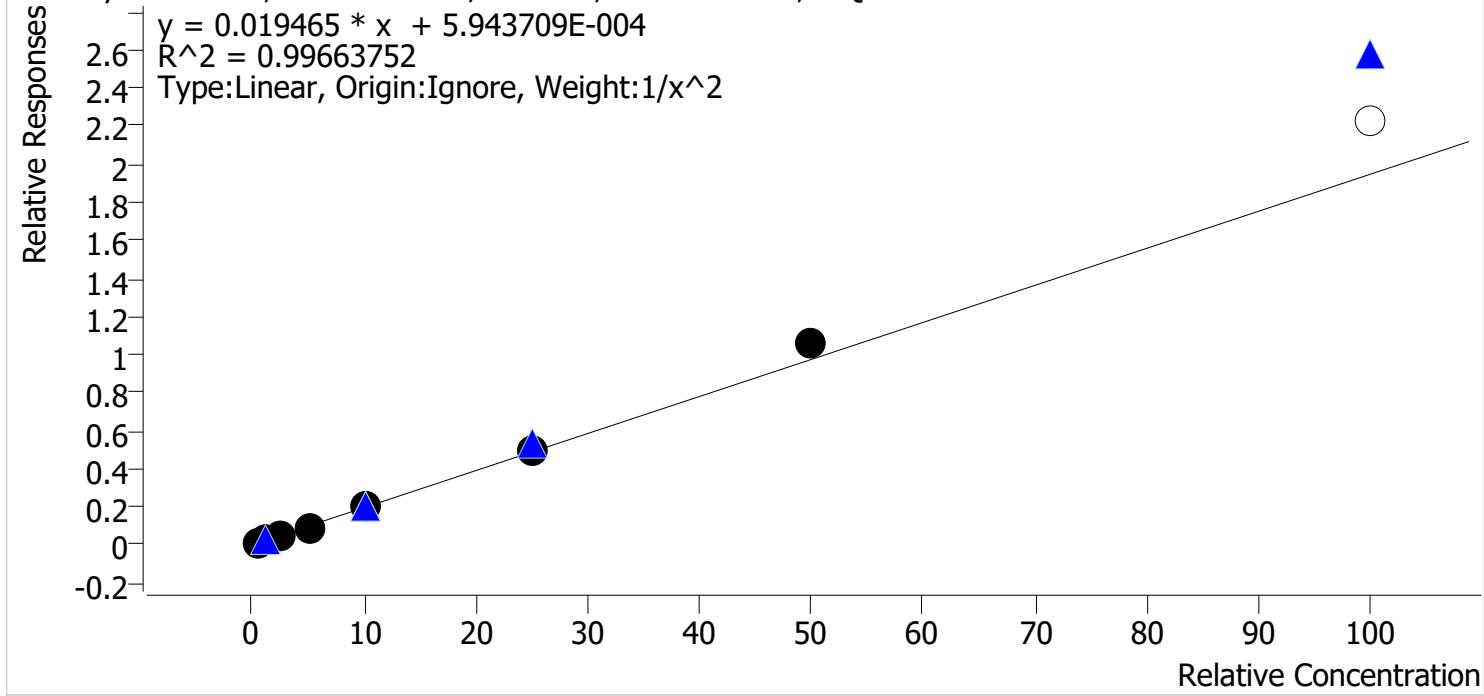
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.4
p1 Cal 2-10ng	2	✓	1.0	1.0	98.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.3
p1 Cal 4-50ng	4	✓	5.0	4.8	96.0
p1 Cal 5-100ng	5	✓	10.0	10.0	100.4
p1 Cal 6-250ng	6	✓	25.0	24.9	99.5
p1 Cal 7-500ng	7	✓	50.0	54.7	109.3
p1 Cal 8-1000ng	8	✗	100.0	114.1	114.1

Cal 8 dropped due to QC not meeting accuracy requirement

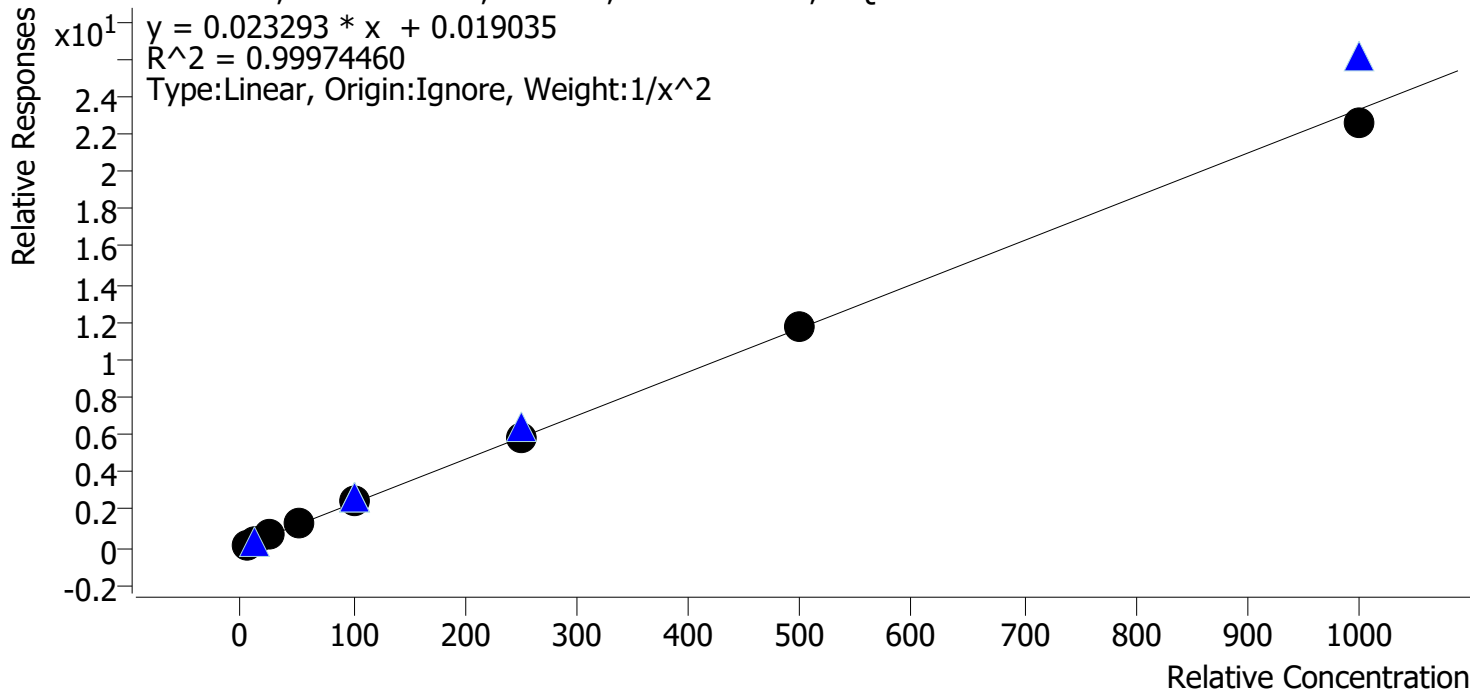
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



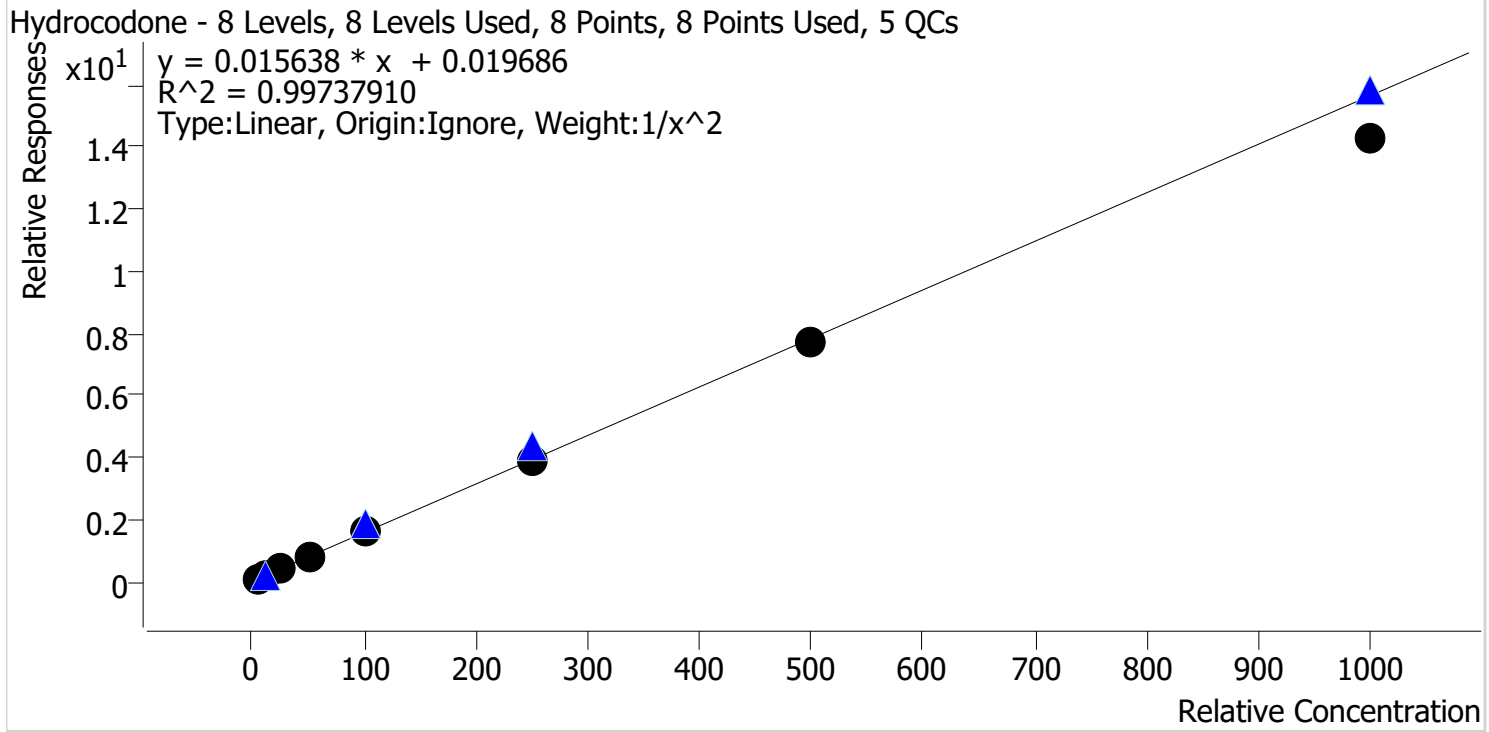
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	502.6	100.5
p1 Cal 8-1000ng	8	✓	1000.0	973.1	97.3



CS SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	493.8	98.8
p1 Cal 8-1000ng	8	✓	1000.0	914.8	91.5

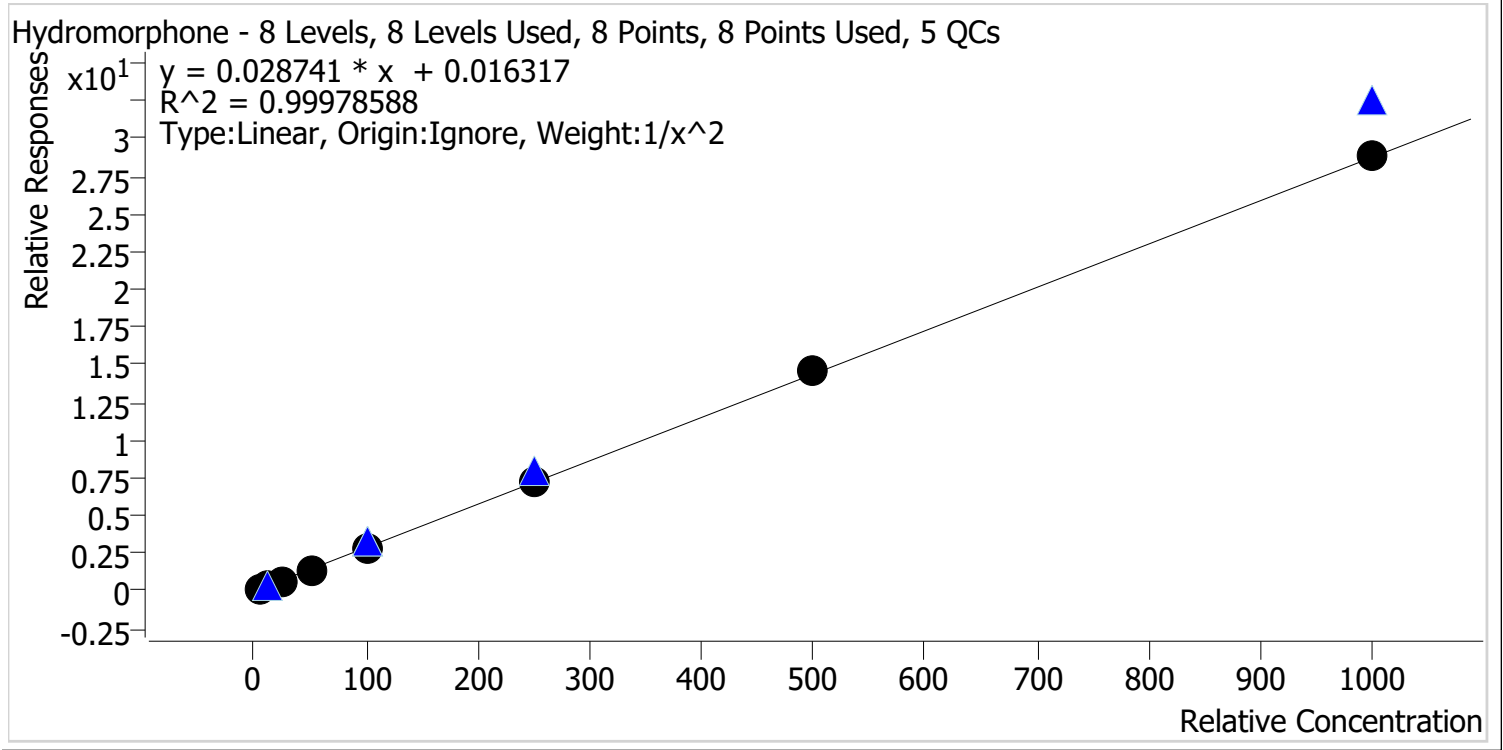




CS SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6



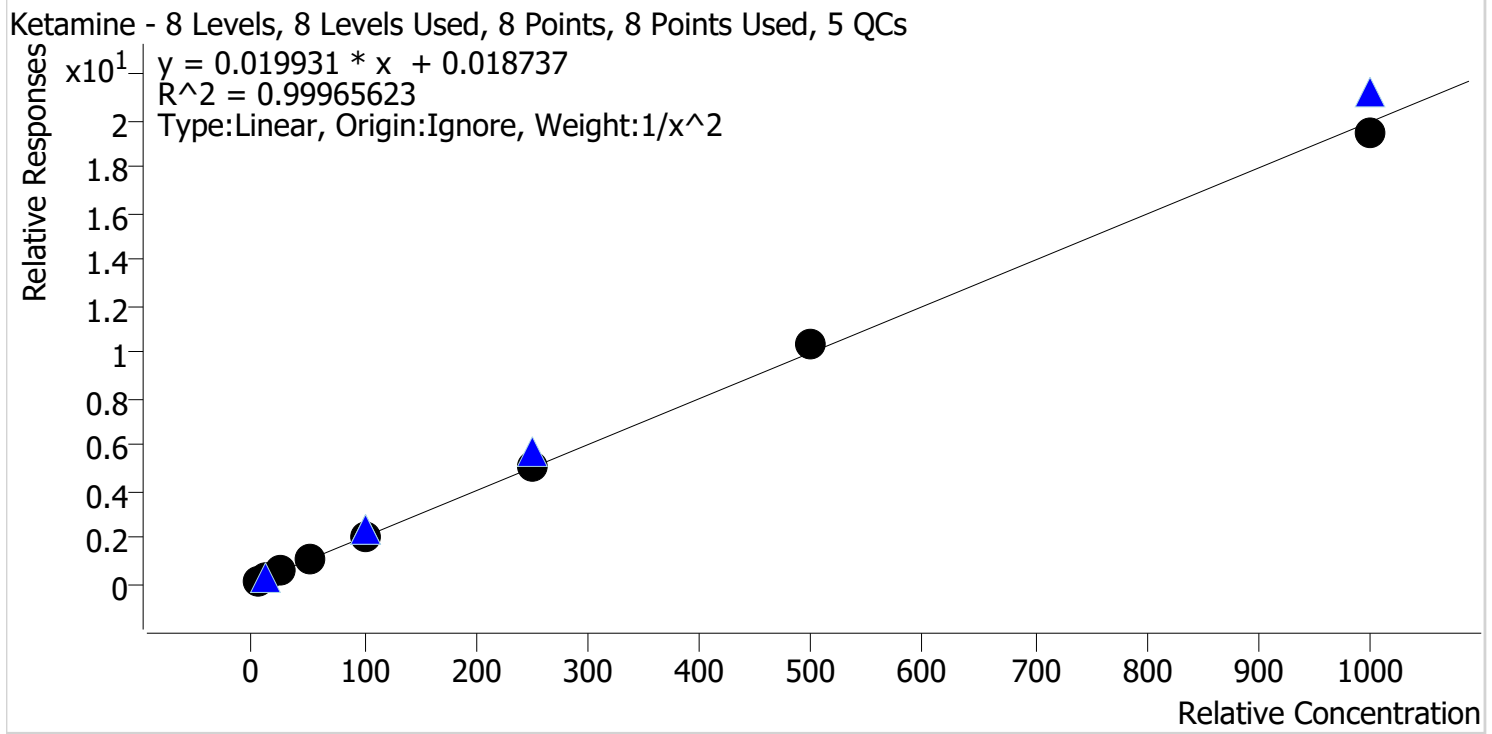
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	509.2	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1008.0	100.8

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

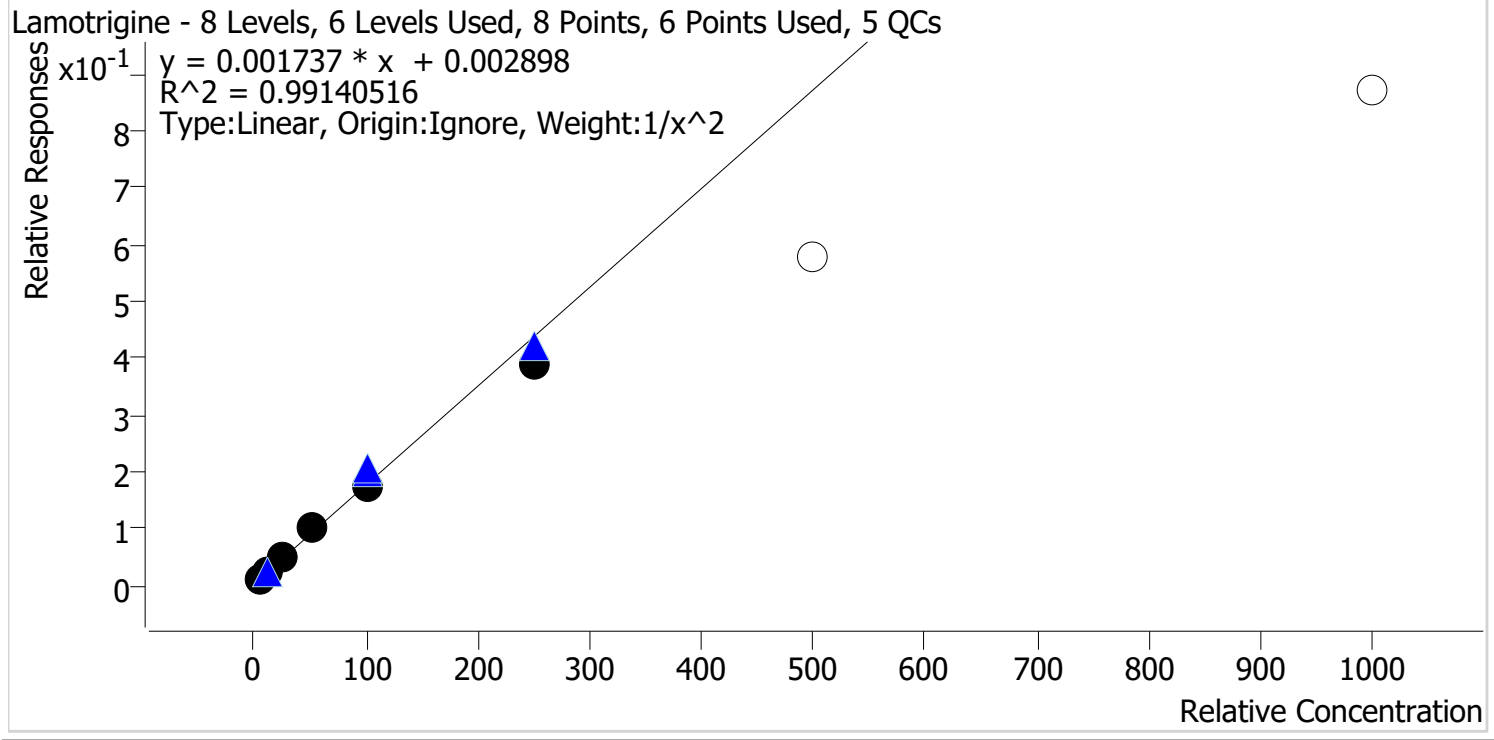


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	514.9	103.0
p1 Cal 8-1000ng	8	✓	1000.0	976.8	97.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 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	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	55.7	111.3
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	220.5	88.2
p1 Cal 7-500ng	7	x	500.0	330.0	66.0
p1 Cal 8-1000ng	8	x	1000.0	499.1	49.9

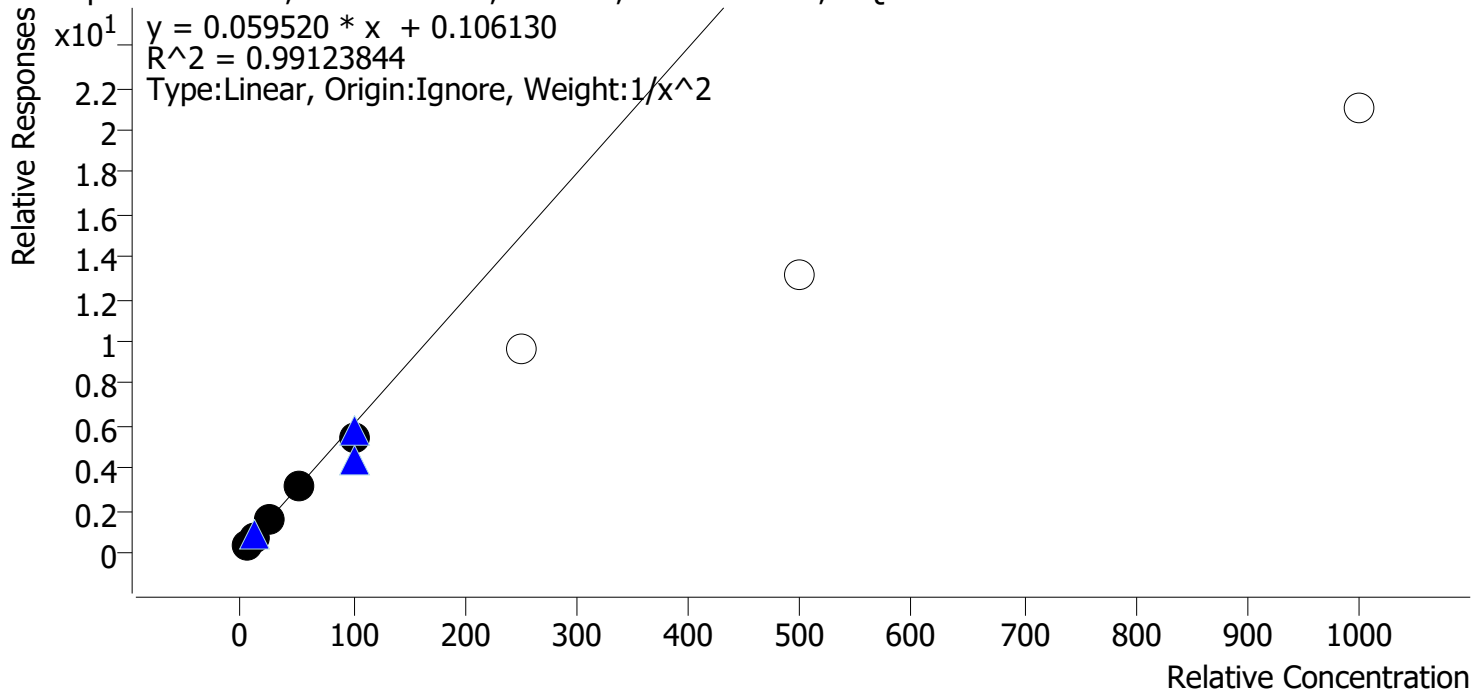
Cals 7 and 8 dropped due to not meeting accuracy requirement



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.7	106.6
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	89.3	89.3
p1 Cal 6-250ng	6	x	250.0	159.7	63.9
p1 Cal 7-500ng	7	x	500.0	220.3	44.1
p1 Cal 8-1000ng	8	x	1000.0	351.3	35.1

Cals 6-8 dropped due to not meeting accuracy requirement

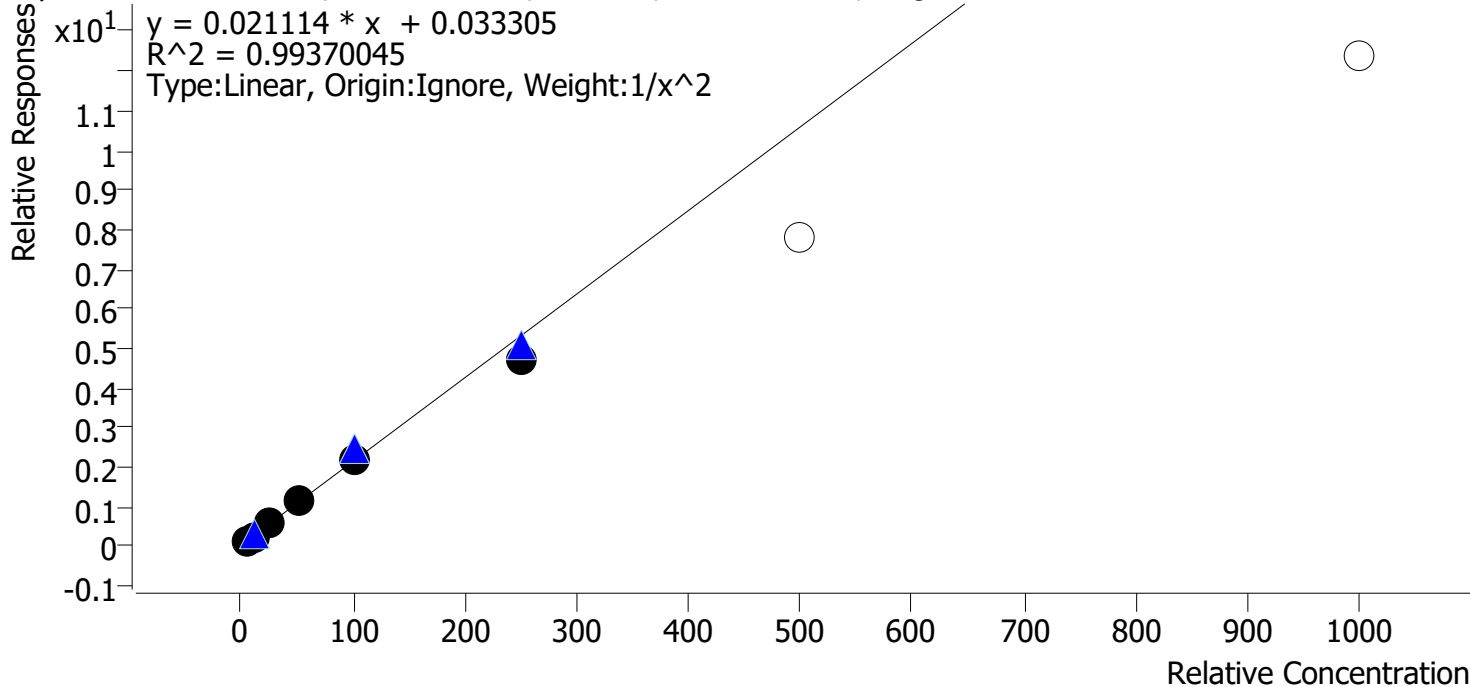


CS SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

Meprobamate - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 5 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	101.4
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	222.2	88.9
p1 Cal 7-500ng	7	x	500.0	367.0	73.4
p1 Cal 8-1000ng	8	x	1000.0	587.1	58.7

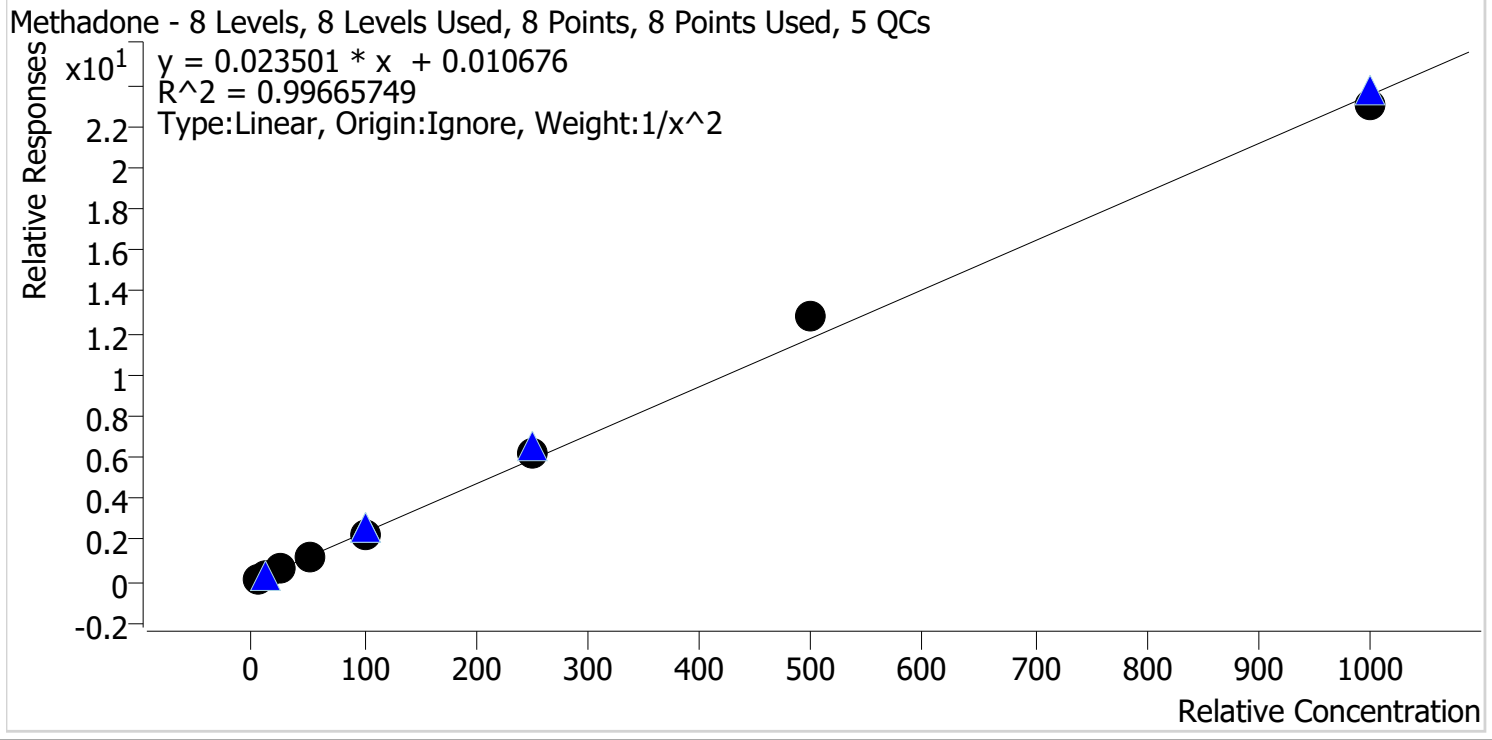
Cals 7 and 8 dropped due to not meeting accuracy requirement

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9



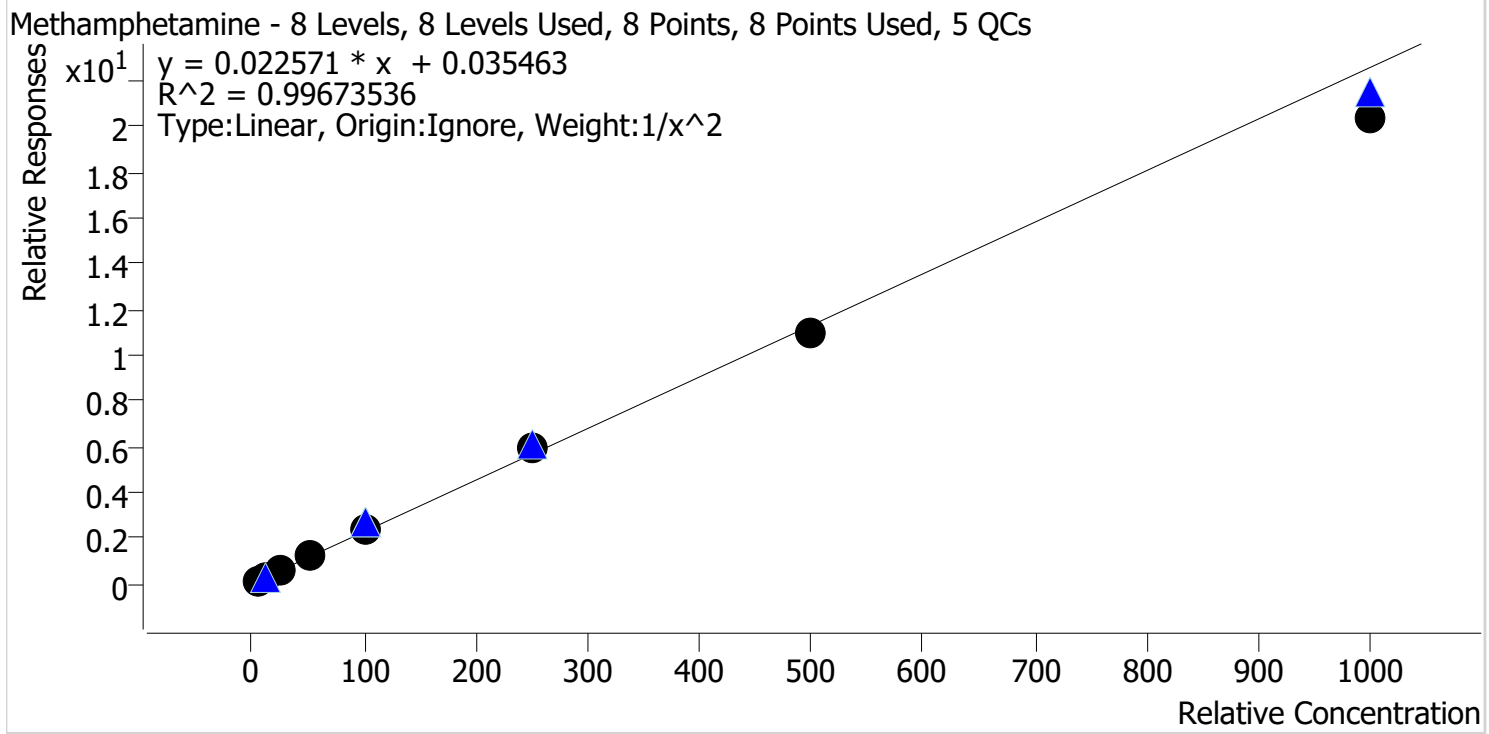
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.5
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	262.6	105.1
p1 Cal 7-500ng	7	✓	500.0	542.8	108.6
p1 Cal 8-1000ng	8	✓	1000.0	976.7	97.7

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	260.5	104.2
p1 Cal 7-500ng	7	✓	500.0	485.0	97.0
p1 Cal 8-1000ng	8	✓	1000.0	901.5	90.2

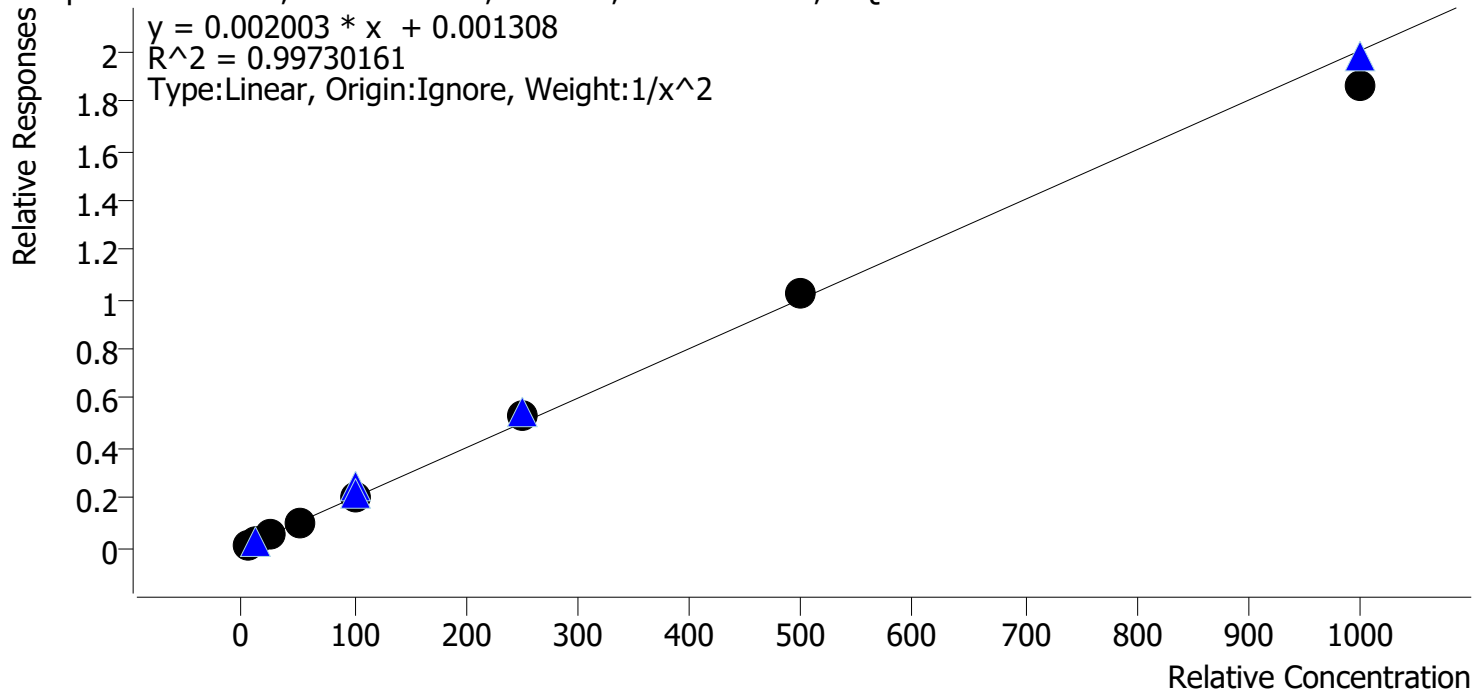
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

Metoprolol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



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	10.5	105.3
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	262.7	105.1
p1 Cal 7-500ng	7	✓	500.0	513.7	102.7
p1 Cal 8-1000ng	8	✓	1000.0	926.6	92.7

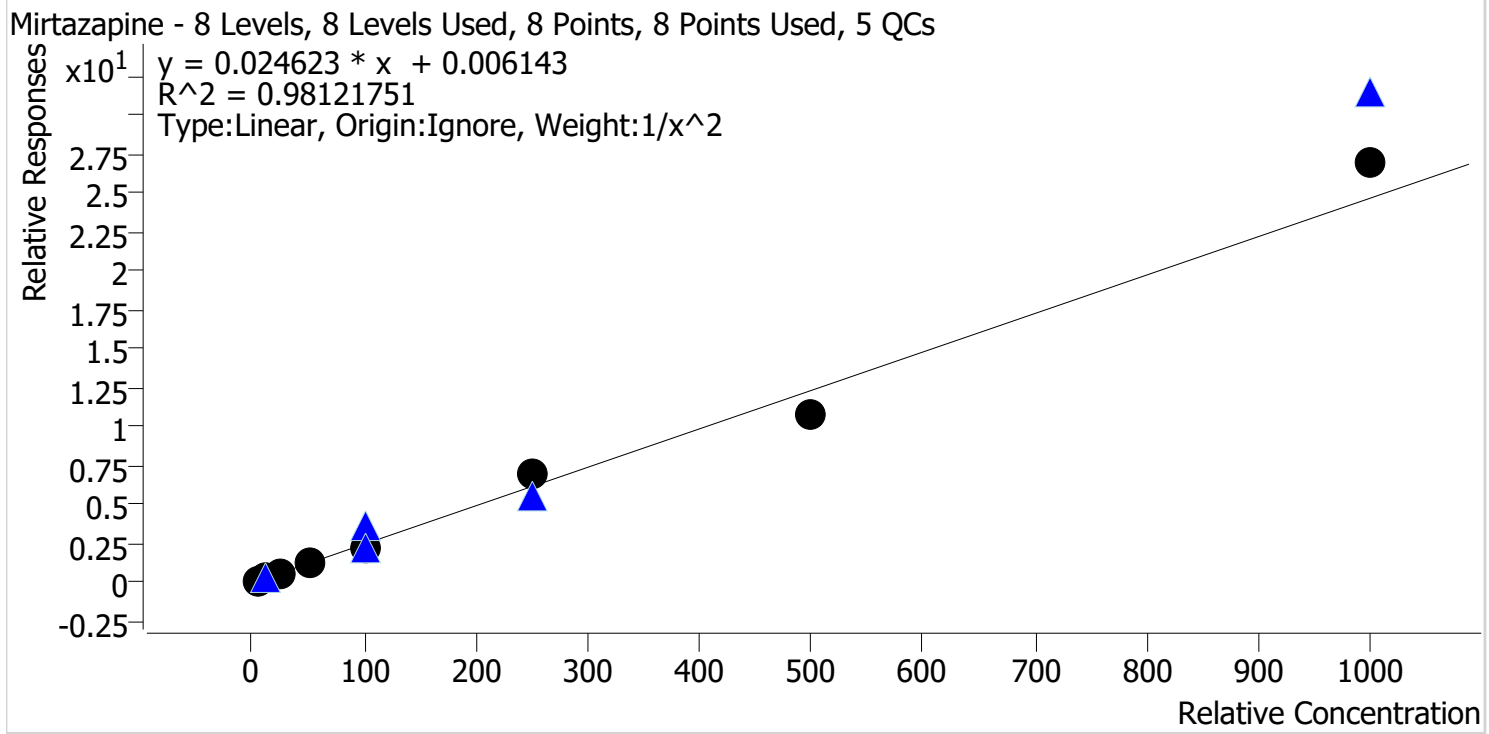


CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



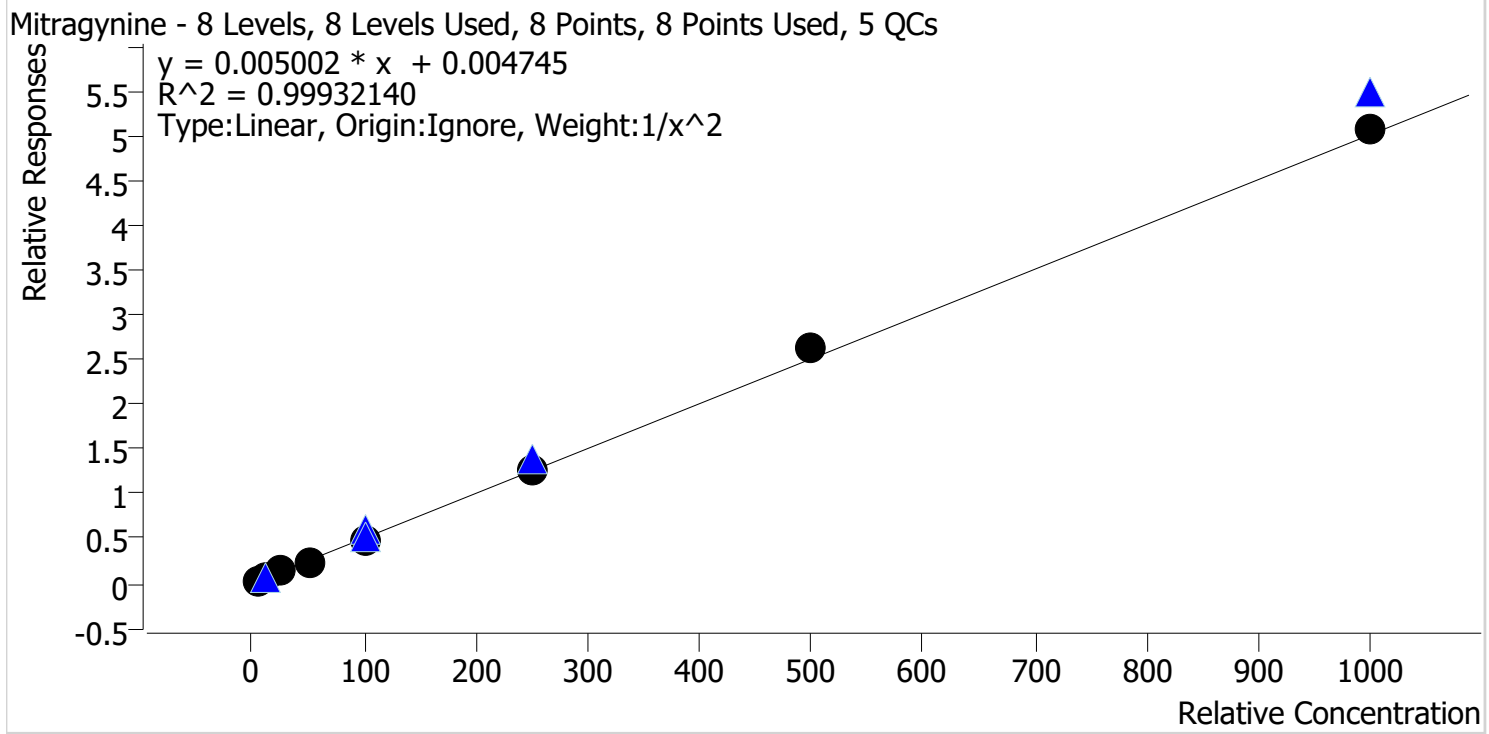
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.6	105.9
p1 Cal 3 -25ng	3	✓	25.0	20.3	81.1
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	91.0	91.0
p1 Cal 6-250ng	6	✓	250.0	287.4	115.0
p1 Cal 7-500ng	7	✓	500.0	441.4	88.3
p1 Cal 8-1000ng	8	✓	1000.0	1090.4	109.0



CS SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



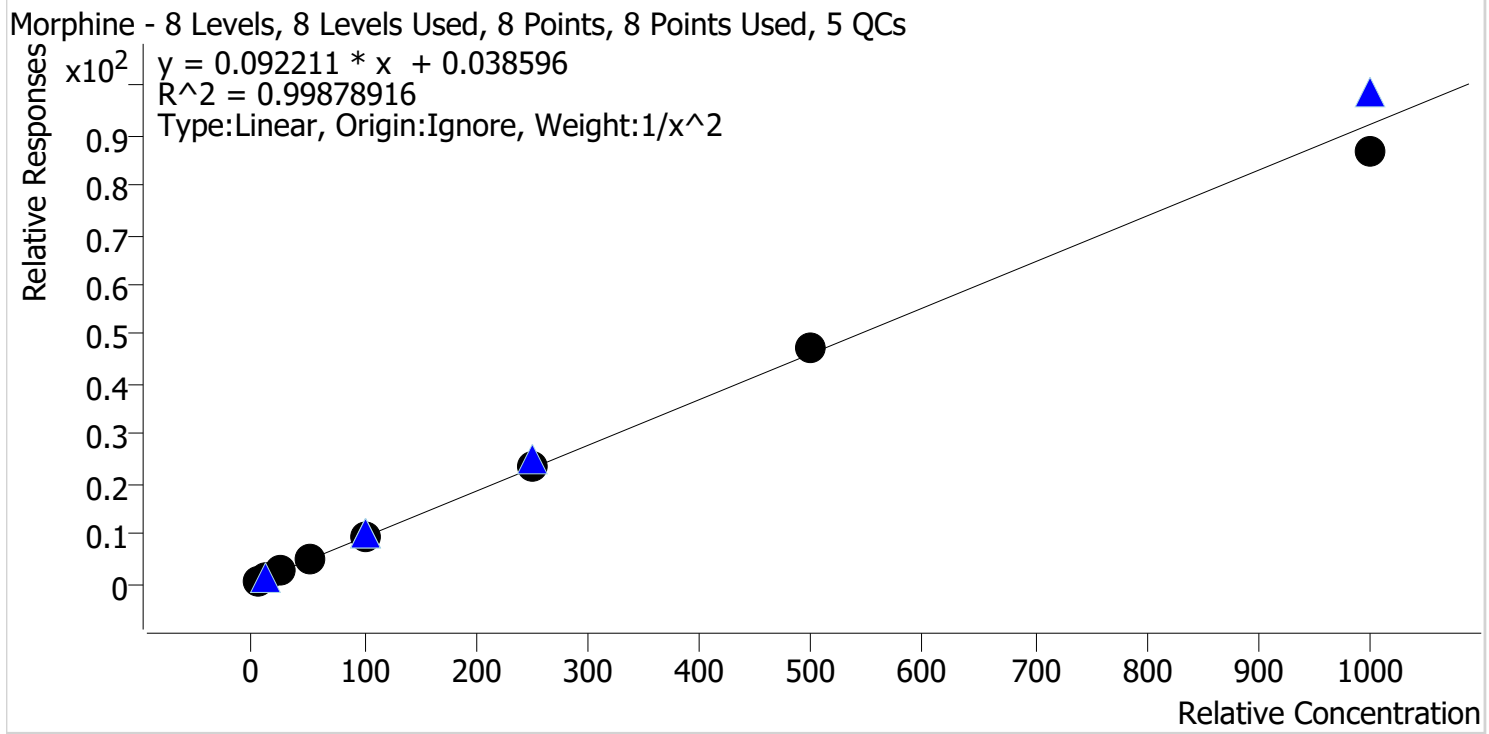
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	521.6	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1012.2	101.2



CS SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	253.6	101.5
p1 Cal 7-500ng	7	✓	500.0	515.6	103.1
p1 Cal 8-1000ng	8	✓	1000.0	941.6	94.2

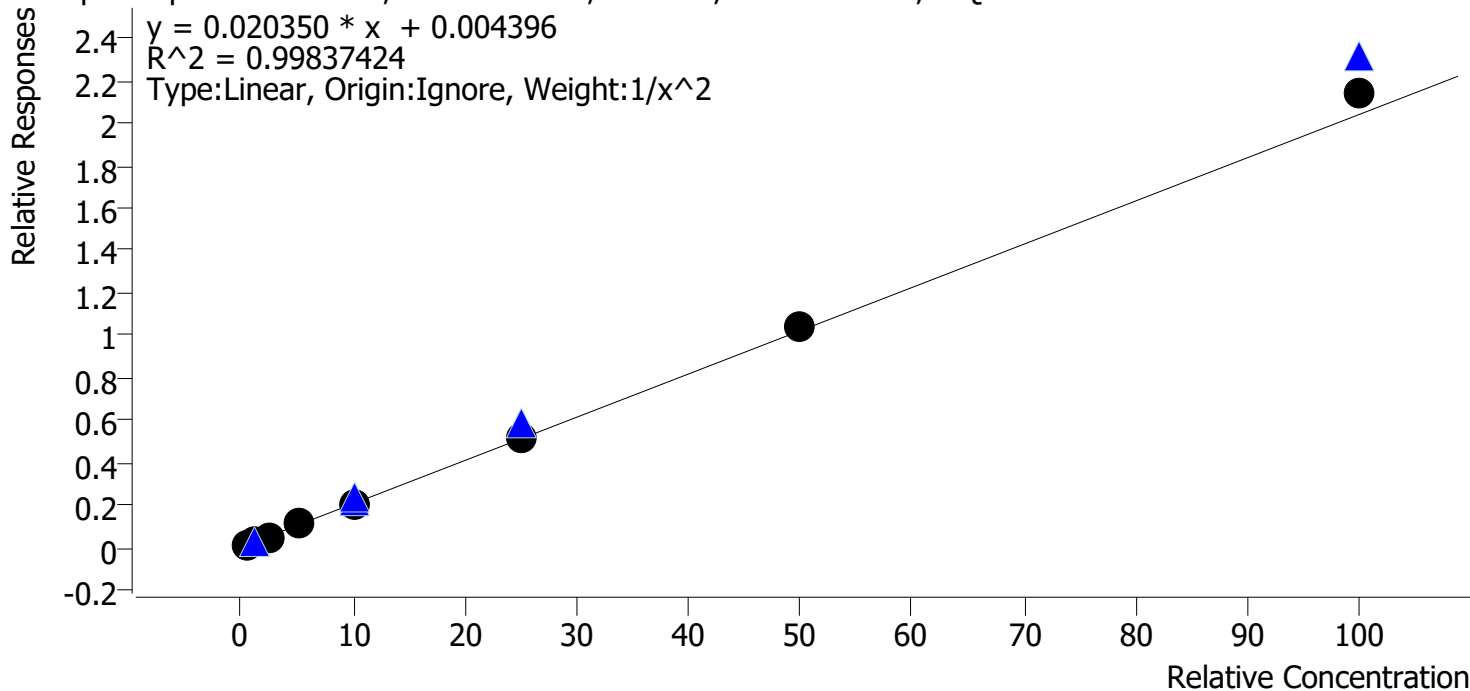


CS SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



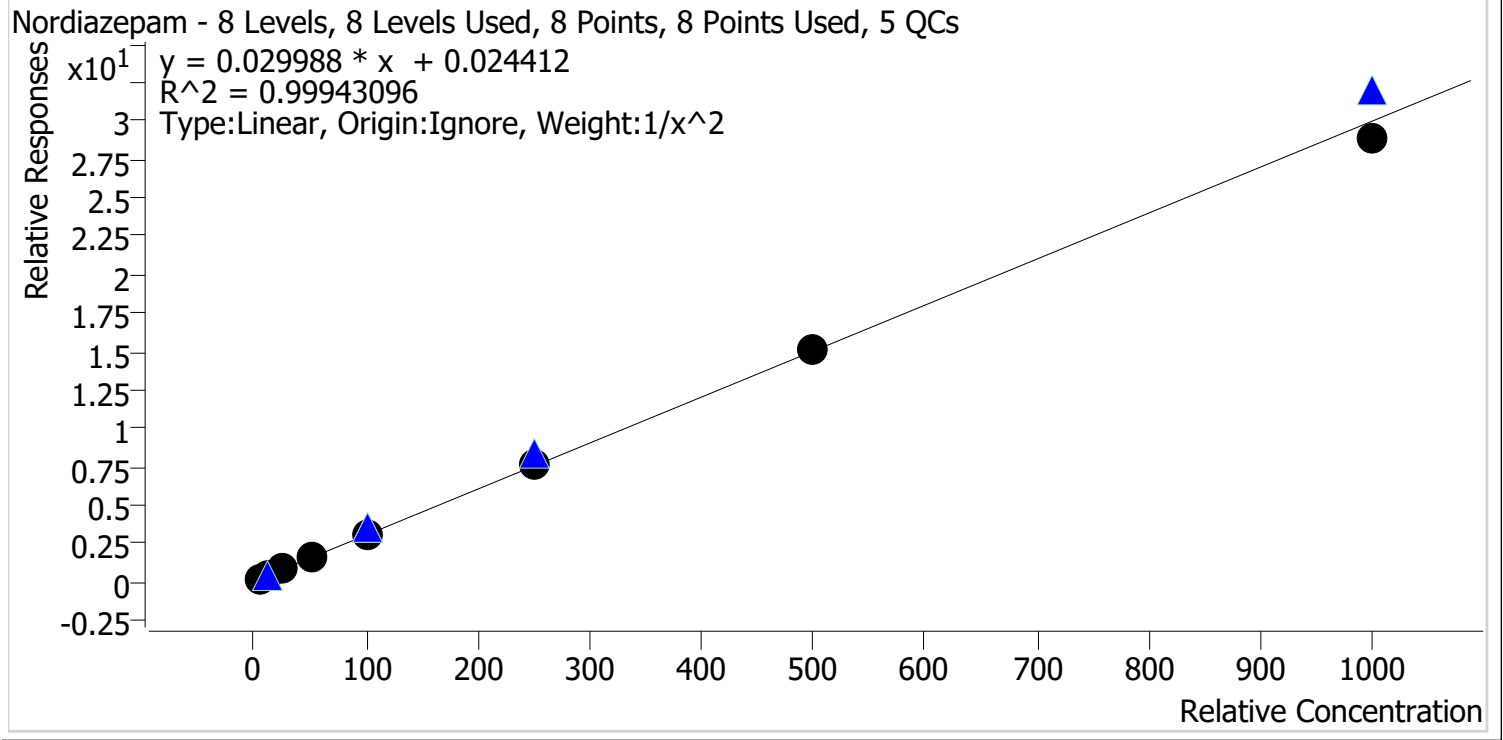
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.9
p1 Cal 2-10ng	2	✓	1.0	1.0	96.2
p1 Cal 3 -25ng	3	✓	2.5	2.3	94.0
p1 Cal 4-50ng	4	✓	5.0	5.1	102.1
p1 Cal 5-100ng	5	✓	10.0	10.0	99.8
p1 Cal 6-250ng	6	✓	25.0	24.8	99.4
p1 Cal 7-500ng	7	✓	50.0	50.5	101.1
p1 Cal 8-1000ng	8	✓	100.0	104.6	104.6

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5



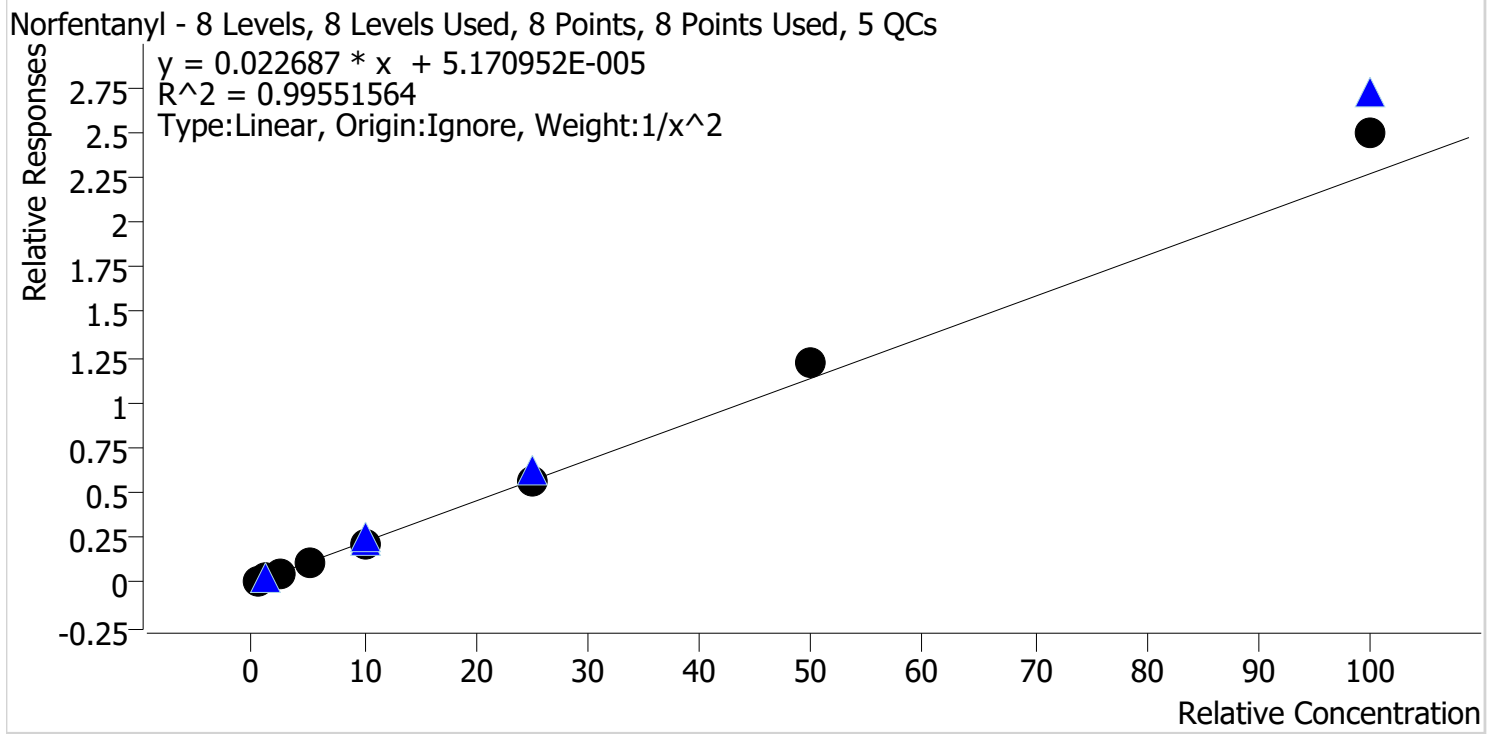
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	50.7	101.3
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	254.6	101.9
p1 Cal 7-500ng	7	✓	500.0	507.5	101.5
p1 Cal 8-1000ng	8	✓	1000.0	962.4	96.2



cy SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl Internal Standard Norfentanyl-D5



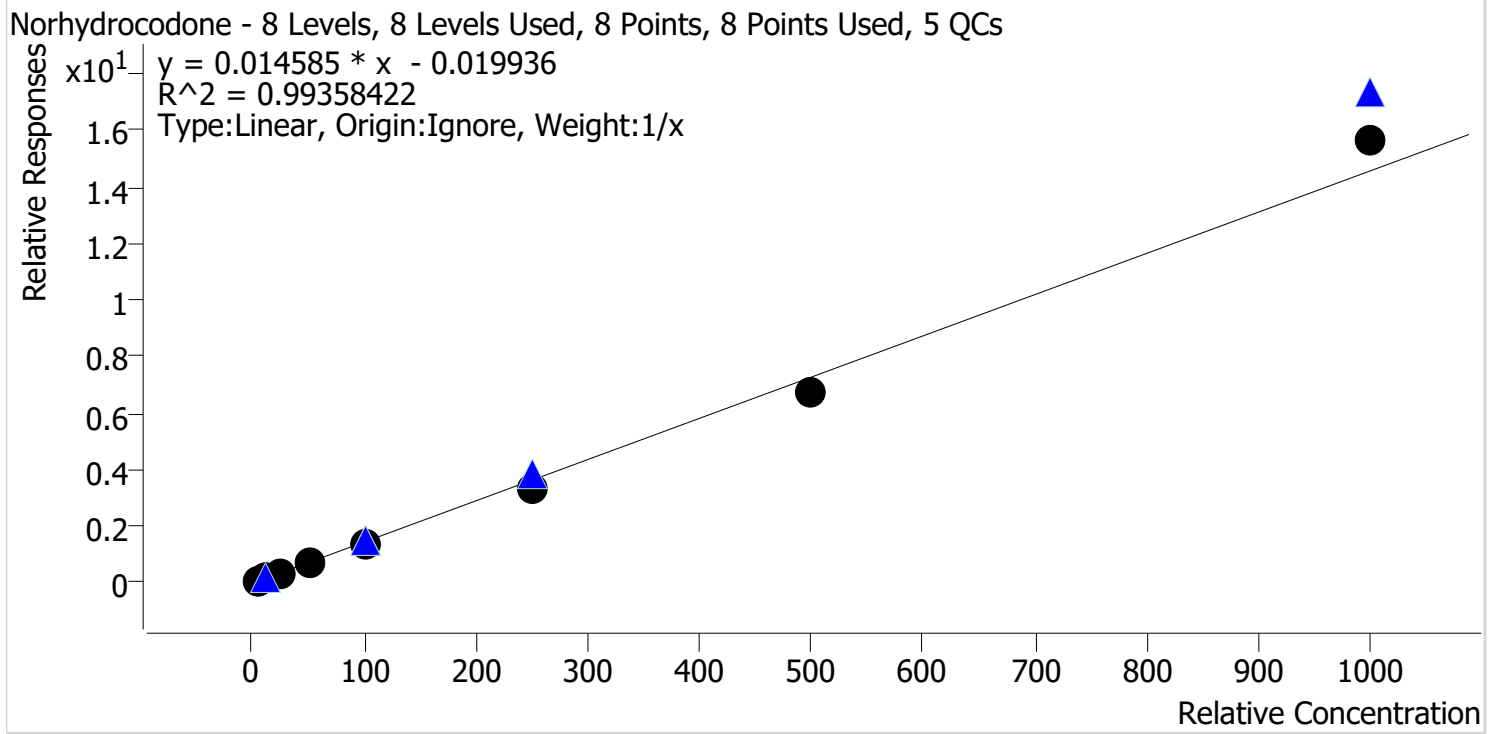
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.2
p1 Cal 2-10ng	2	✓	1.0	1.0	98.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.6
p1 Cal 4-50ng	4	✓	5.0	4.7	93.6
p1 Cal 5-100ng	5	✓	10.0	9.5	94.6
p1 Cal 6-250ng	6	✓	25.0	24.4	97.7
p1 Cal 7-500ng	7	✓	50.0	53.4	106.8
p1 Cal 8-1000ng	8	✓	100.0	109.9	109.9



CS SC

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



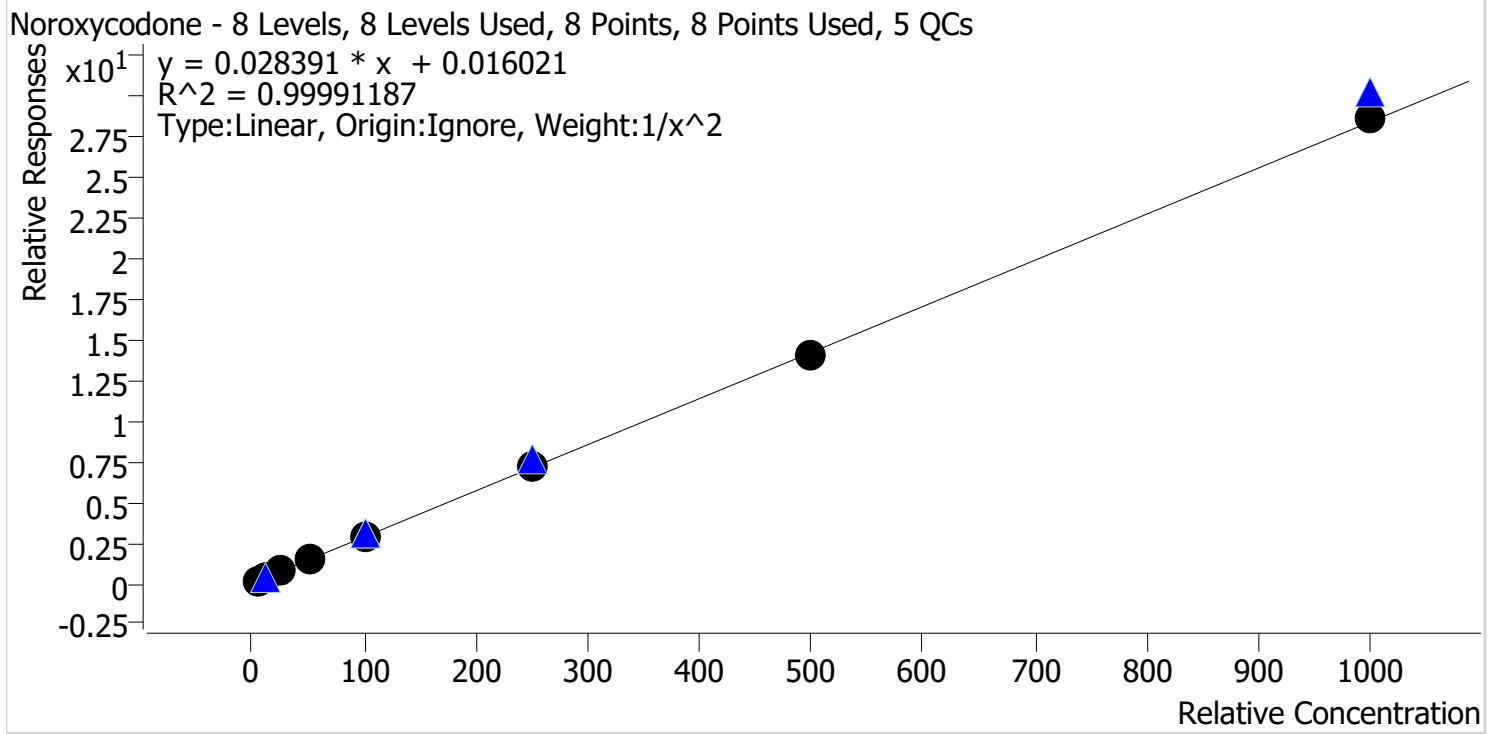
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.2	124.5
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	46.8	93.6
p1 Cal 5-100ng	5	✓	100.0	91.0	91.0
p1 Cal 6-250ng	6	✓	250.0	226.9	90.7
p1 Cal 7-500ng	7	✓	500.0	463.0	92.6
p1 Cal 8-1000ng	8	✓	1000.0	1071.8	107.2

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	494.5	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1008.2	100.8

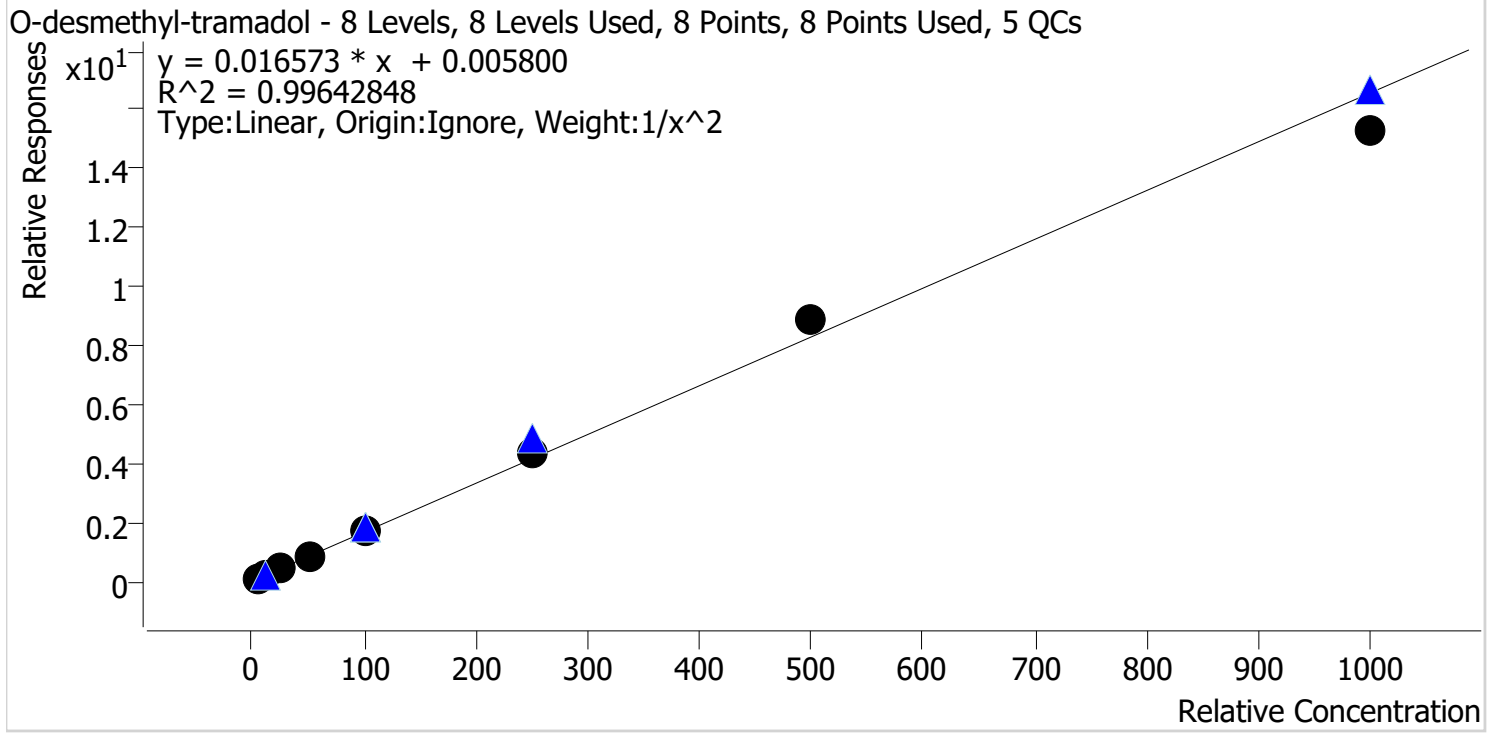


CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



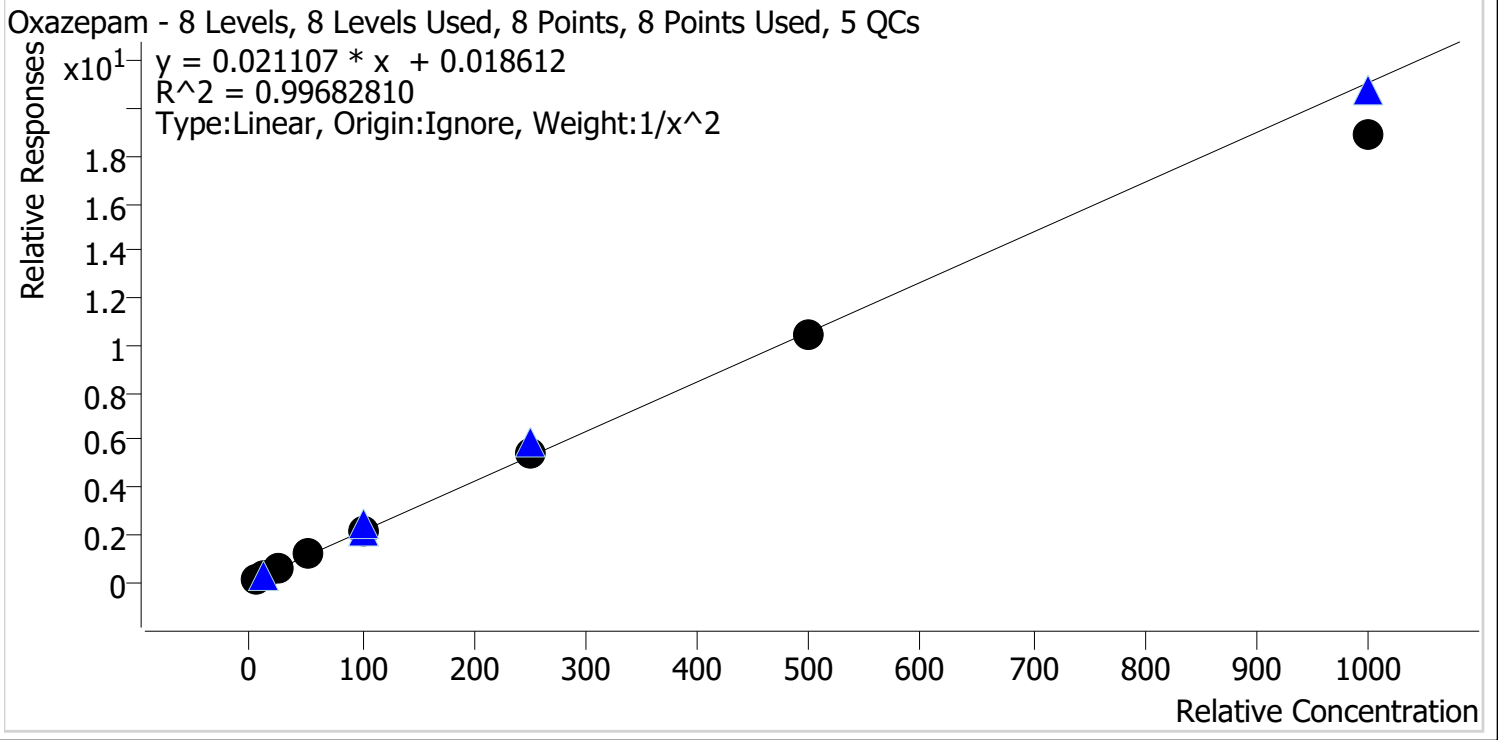
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	265.5	106.2
p1 Cal 7-500ng	7	✓	500.0	537.3	107.5
p1 Cal 8-1000ng	8	✓	1000.0	924.6	92.5

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	493.3	98.7
p1 Cal 8-1000ng	8	✓	1000.0	895.5	89.6

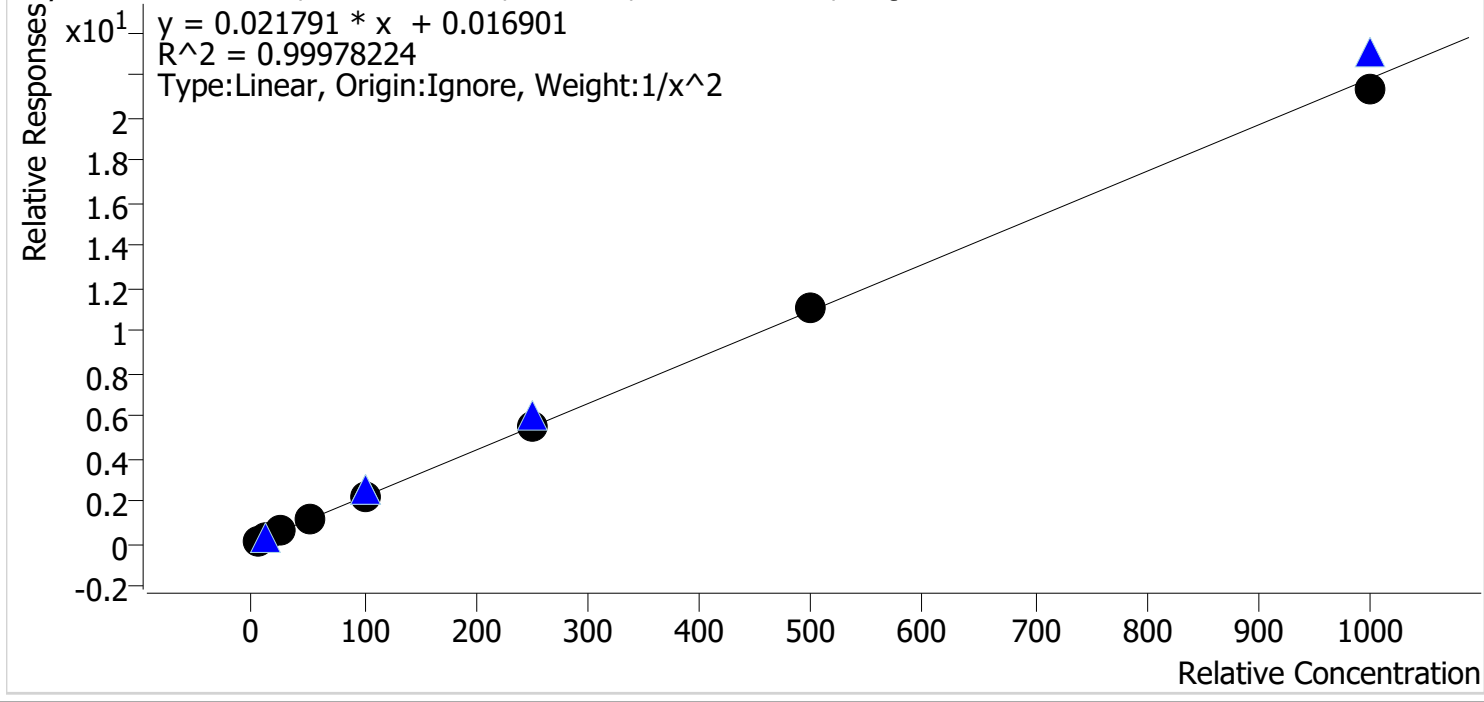
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



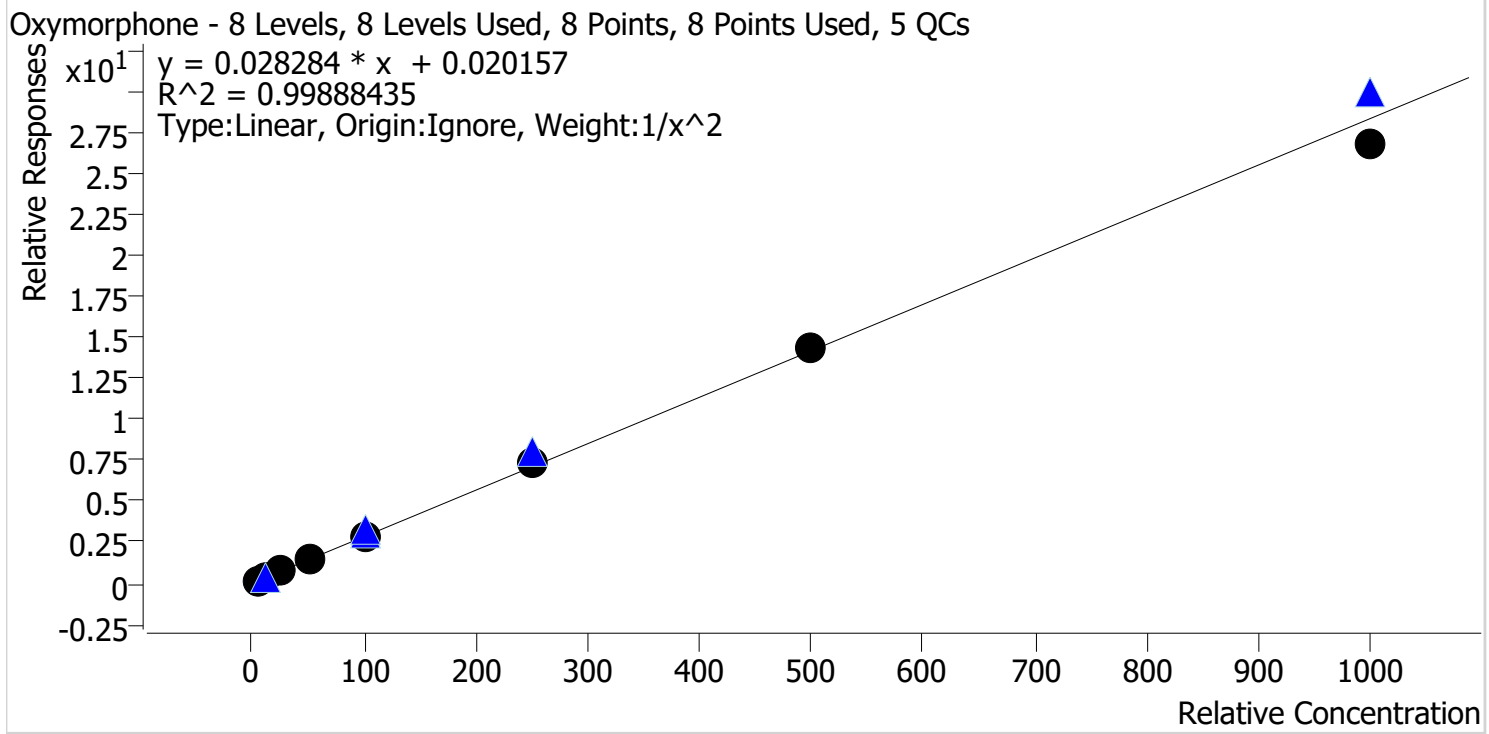
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	502.5	100.5
p1 Cal 8-1000ng	8	✓	1000.0	976.4	97.6

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	258.7	103.5
p1 Cal 7-500ng	7	✓	500.0	505.1	101.0
p1 Cal 8-1000ng	8	✓	1000.0	947.6	94.8

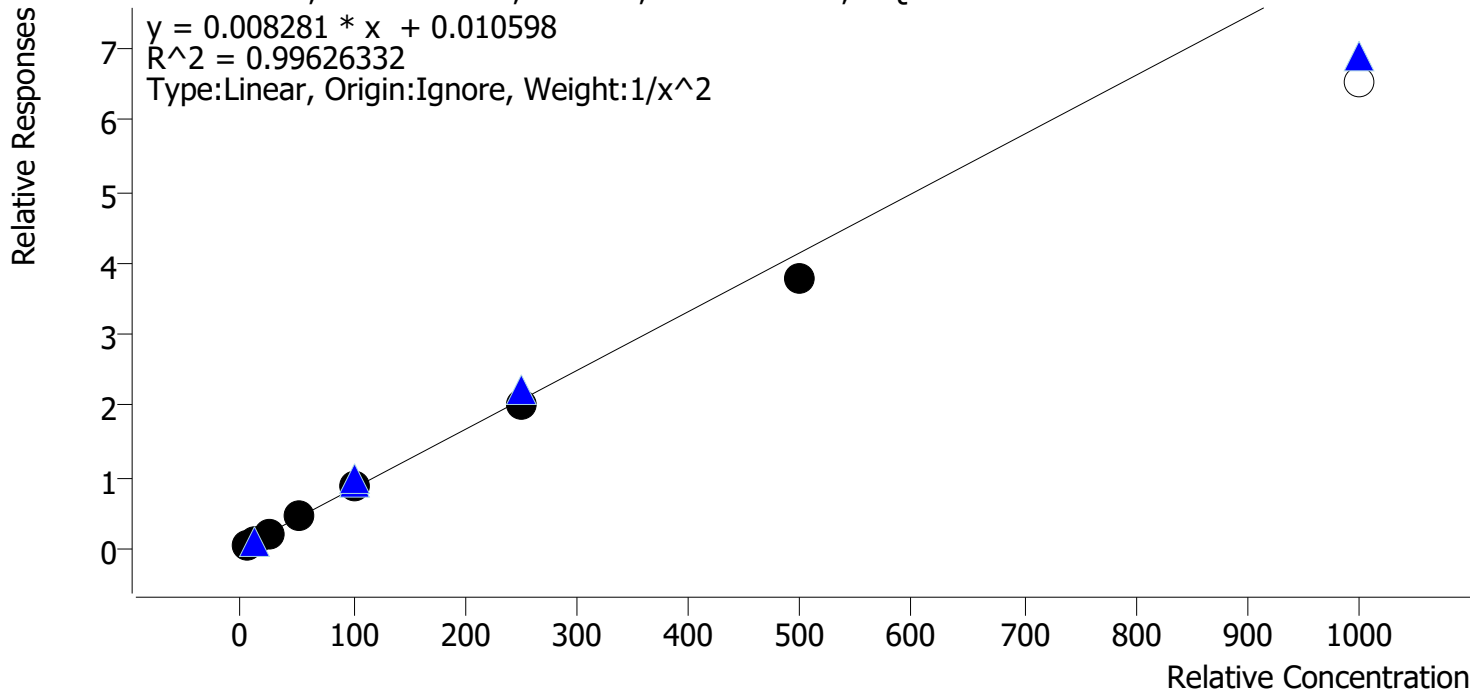
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5

Phentermine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	52.8	105.5
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	453.4	90.7
p1 Cal 8-1000ng	8	✗	1000.0	787.6	78.8

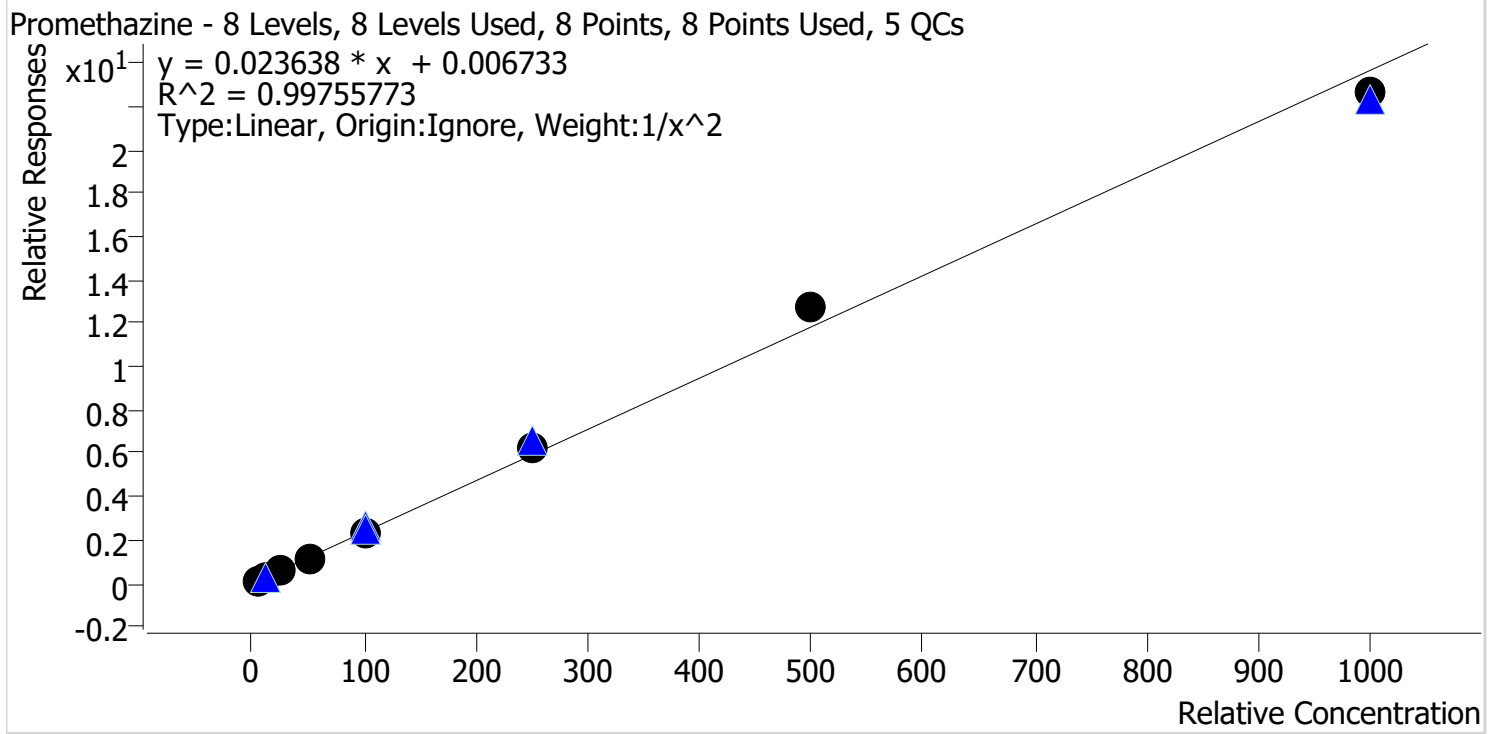
Cal 8 dropped due to not meeting accuracy requirement

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	262.0	104.8
p1 Cal 7-500ng	7	✓	500.0	538.2	107.6
p1 Cal 8-1000ng	8	✓	1000.0	956.7	95.7

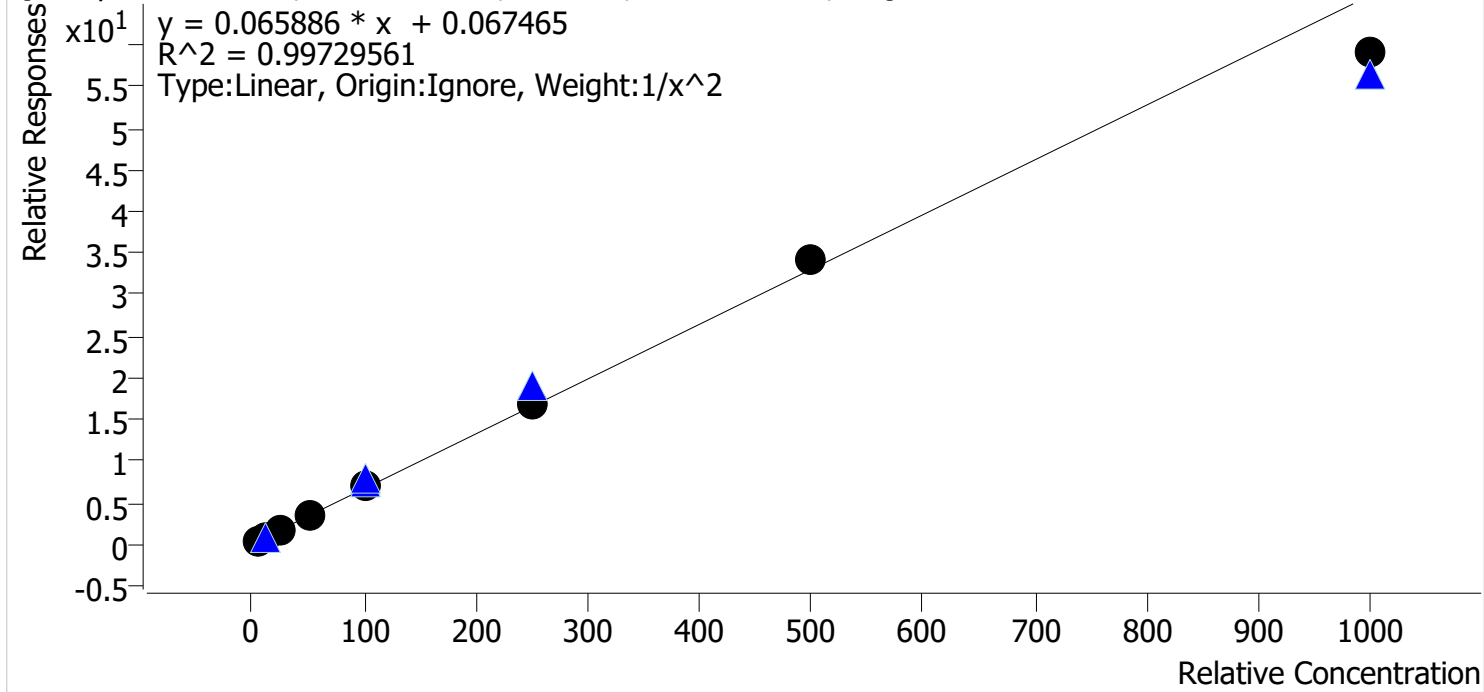
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



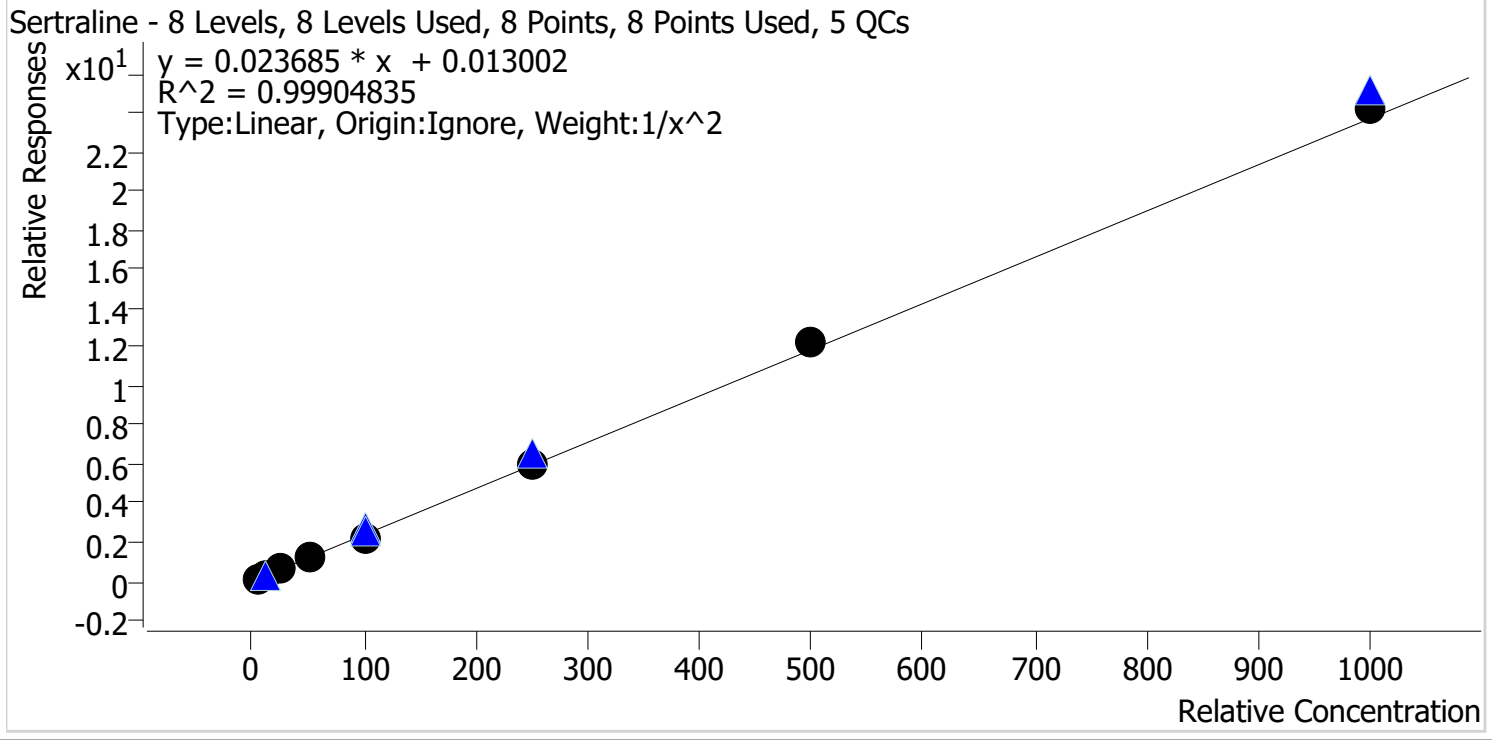
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	517.4	103.5
p1 Cal 8-1000ng	8	✓	1000.0	895.8	89.6

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 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	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	519.5	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1021.0	102.1

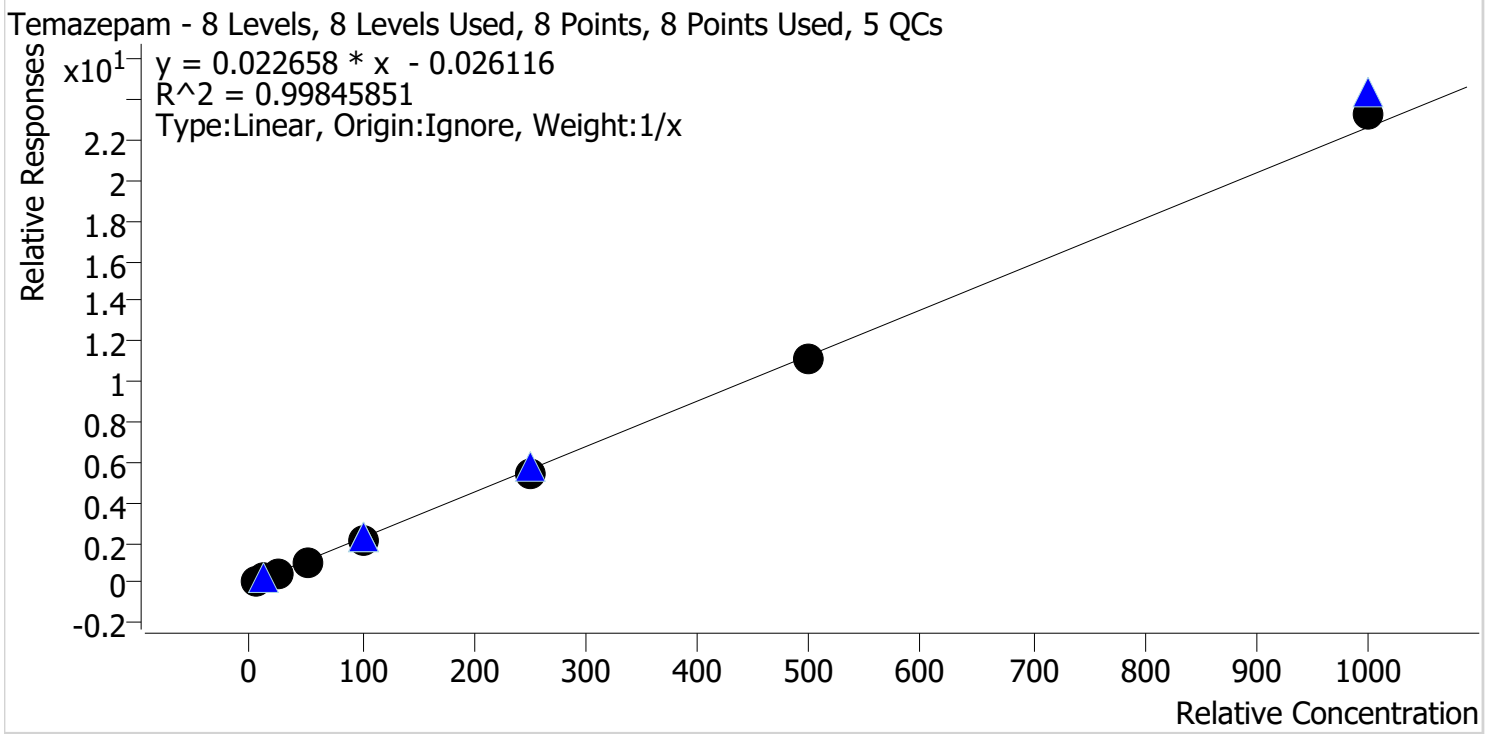


CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



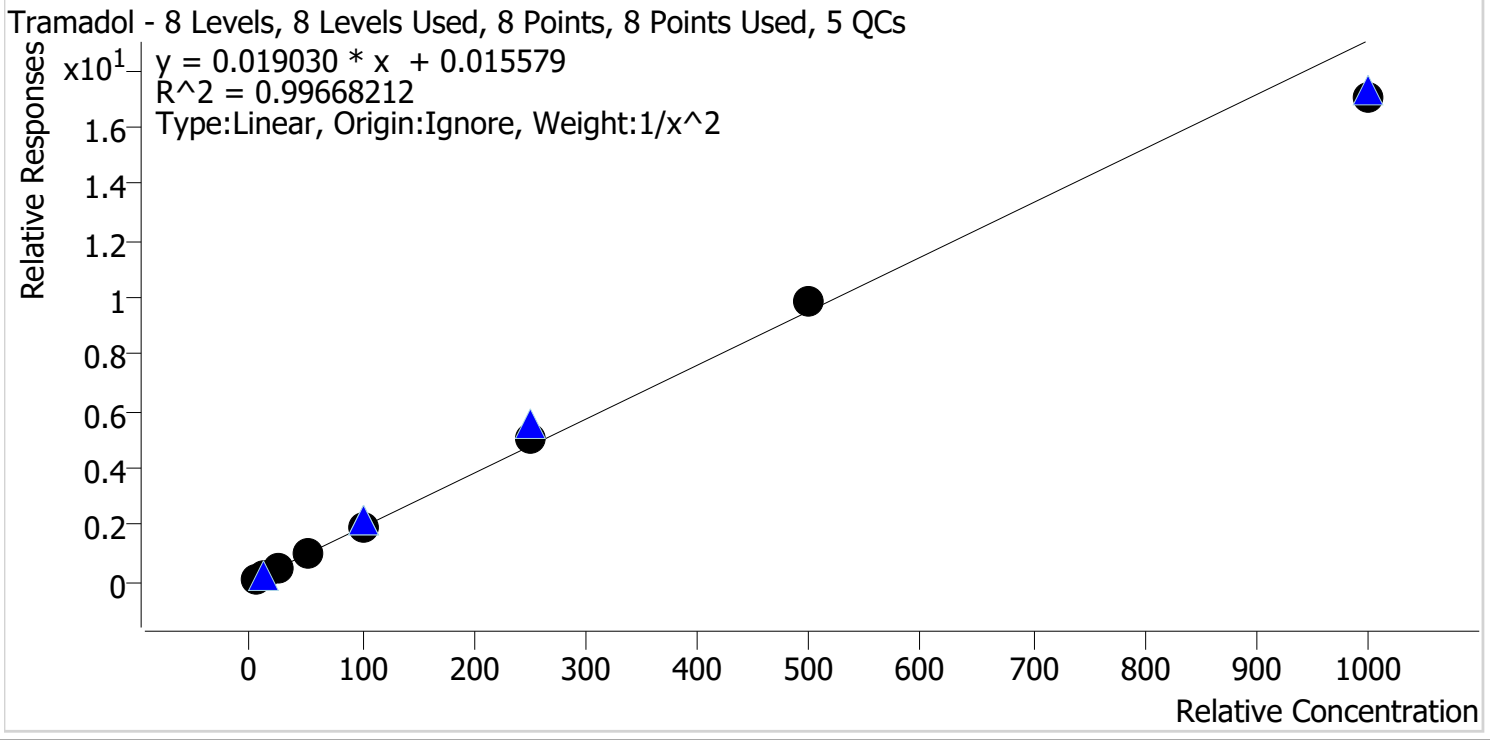
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.0	120.3
p1 Cal 2-10ng	2	✓	10.0	10.6	105.9
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	46.0	92.0
p1 Cal 5-100ng	5	✓	100.0	91.3	91.3
p1 Cal 6-250ng	6	✓	250.0	240.2	96.1
p1 Cal 7-500ng	7	✓	500.0	493.9	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1028.8	102.9

CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	267.0	106.8
p1 Cal 7-500ng	7	✓	500.0	521.4	104.3
p1 Cal 8-1000ng	8	✓	1000.0	896.1	89.6

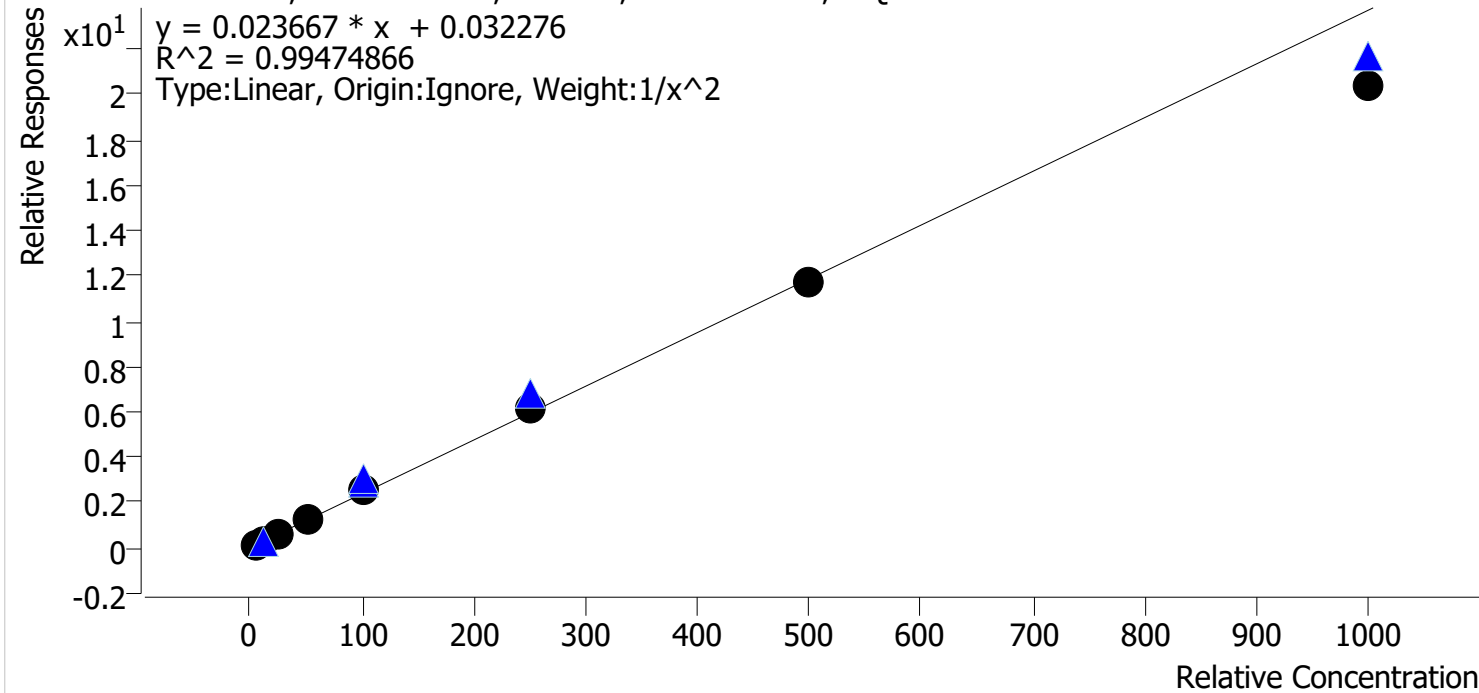
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	256.7	102.7
p1 Cal 7-500ng	7	✓	500.0	493.0	98.6
p1 Cal 8-1000ng	8	✓	1000.0	859.7	86.0

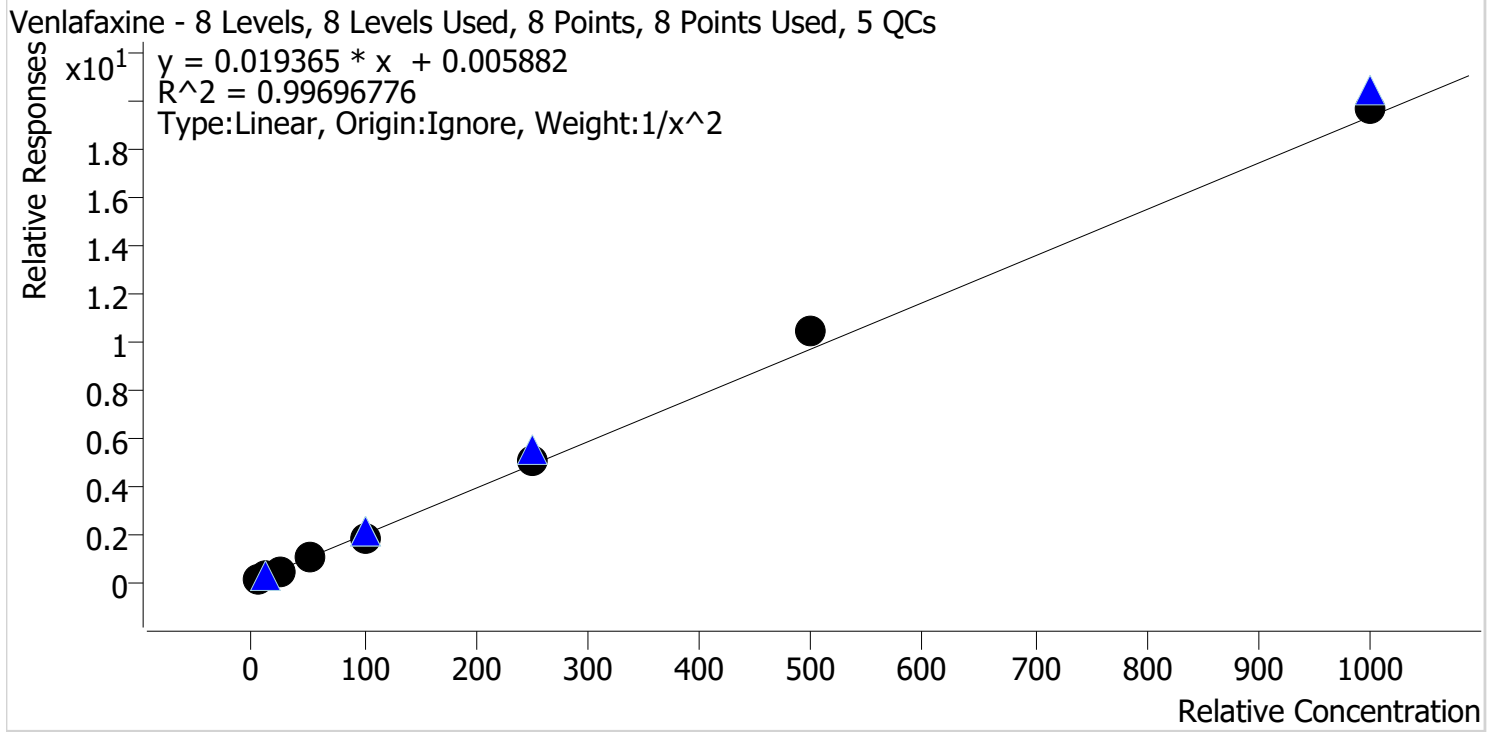
CS

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.2
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	256.6	102.6
p1 Cal 7-500ng	7	✓	500.0	542.3	108.5
p1 Cal 8-1000ng	8	✓	1000.0	1015.9	101.6

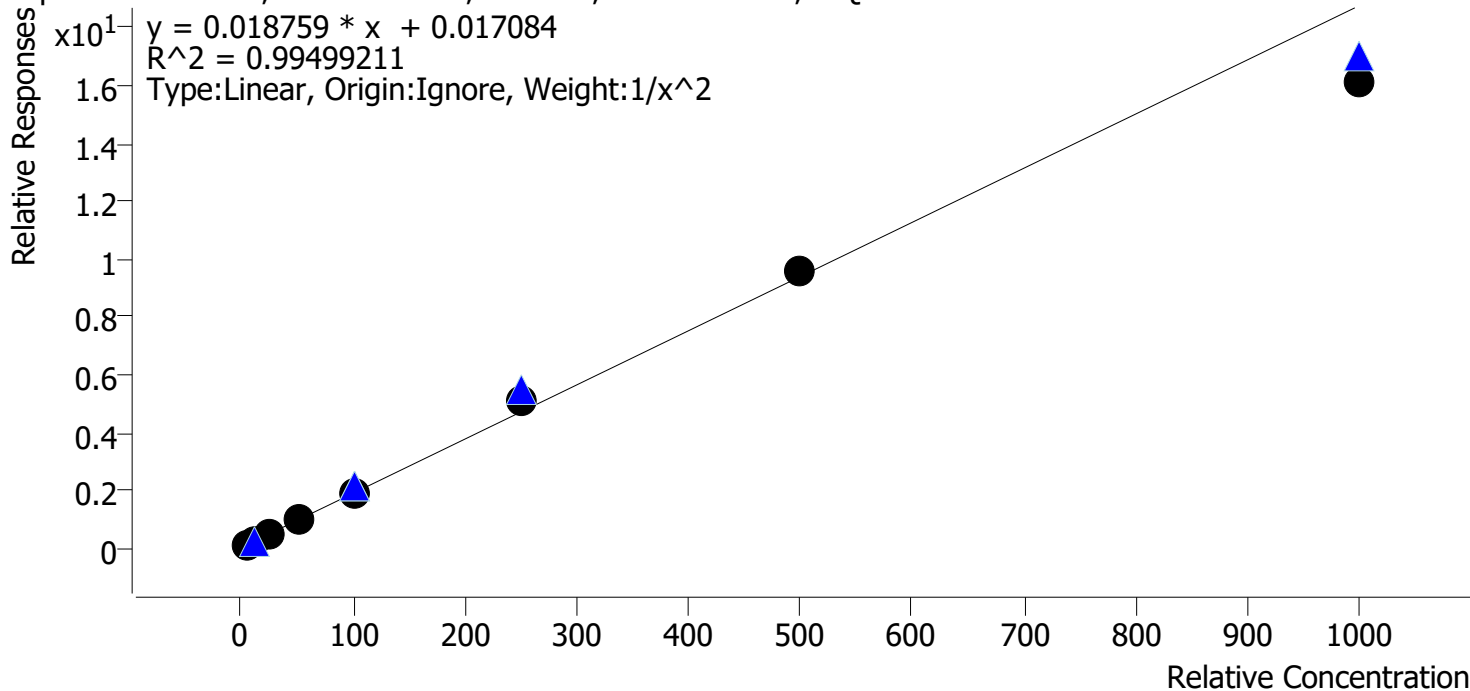
CS SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/13/2021 8:20 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	269.2	107.7
p1 Cal 7-500ng	7	✓	500.0	512.6	102.5
p1 Cal 8-1000ng	8	✓	1000.0	862.2	86.2

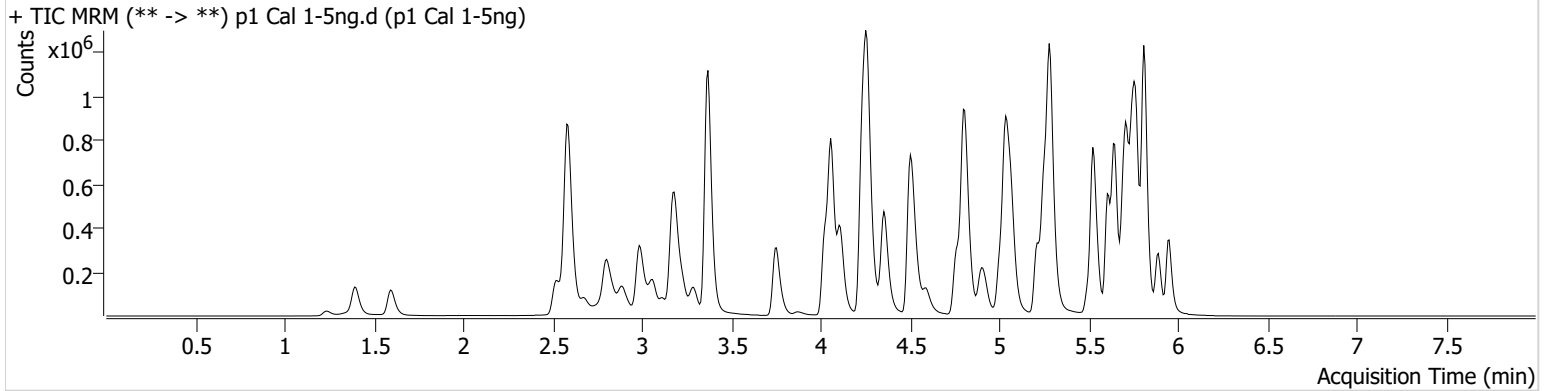
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 1-5ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-H12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 9:55:08 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	2854	18507.32	72.2	2365.92	149379	0.5607 ng/ml
7-aminoclonazepam	4.271	47115	201.20	75.1	496.97	476178	4.9978 ng/ml
a-hydroxyalprazolam	5.692	34337	190.30	56.6	54350.70	720284	4.7632 ng/ml
alpha-PHP	4.923	34618	616.01	262.7	1061.53	1081790	4.9952 ng/ml
alpha-PVP	4.363	139287	894.75	52.5	3111.90	1081790	5.1013 ng/ml
Alprazolam	5.775	114887	652.71	107.0	487.60	720284	5.0942 ng/ml
Amphetamine	3.063	215922	309.33	51.8	1015.81	446532	4.8592 ng/ml
Benzoylcegonine	3.899	4238	471.39	9.5	20.44	29460	5.0139 ng/ml
Buprenorphine	5.663	2732	137.98	12.0	52.69	176531	0.5971 ng/ml
Bupropion	4.781	121536	2816.38	61.0	142.64	750109	5.0333 ng/ml
Carisoprodol	5.724	105283	∞	62.3	125.61	1009962	6.1812 ng/ml
Citalopram	5.212	86693	887.31	41.4	344.96	710681	5.0243 ng/ml
Clonazepam	5.612	134469	561.73	32.1	663.00	313907	4.8801 ng/ml
Clonazepam	5.548	91111	1209.41	36.6	1374.73	313907	6.0854 ng/ml
Cocaine	4.264	114184	1139.54	52.9	5510.20	1838684	5.0609 ng/ml
Codeine	2.573	14851	327.30	102.2	21983.37	133722	4.7823 ng/ml
Cyclobenzaprine	5.615	82925	2692.57	8.9	14.13	612483	5.0938 ng/ml
Dextromethorphan	5.262	52082	734.75	80.5	537.00	464280	5.0949 ng/ml
Dextrophan	4.111	36708	1859.44	208.8	1299.11	784937	5.4793 ng/ml
Diazepam	5.953	72485	200.44	89.8	1358.51	623751	4.9975 ng/ml
Dihydrocodeine	2.552	39076	2493.72	67.2	259.11	403528	4.8782 ng/ml
Diphenhydramine	5.289	208741	380539.23	34.0	345.13	2417138	5.1180 ng/ml
Doxylamine	4.522	261667	813.43	96.0	7731.37	2051833	4.9672 ng/ml
EDDP	5.254	102423	424.53	43.0	125.41	994277	5.1067 ng/ml
Etizolam	5.813	73496	3546.24	26.1	31799.86	313907	5.2107 ng/ml
Fentanyl	5.082	8951	292.99	63.7	13773.35	847560	0.5120 ng/ml
Flualprazolam	5.705	52636	1098.27	99.5	886.26	720284	4.9211 ng/ml
Fluoxetine	5.700	108764	139.60	8.5	5891.49	800807	5.0137 ng/ml
Hydrocodone	3.012	55682	72.26	38.4	92.83	582276	4.8563 ng/ml
Hydromorphone	1.601	48784	3246.46	78.5	1166.39	303853	5.0185 ng/ml
Ketamine	4.037	115921	460.82	36.1	698.74	975446	5.0224 ng/ml
Lamotrigine	4.273	11121	225.79	83.9	207.02	975446	4.8953 ng/ml
Levetiracetam	2.676	51140	285.53	157.8	592.42	2454287	5.5323 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	122910	250.63	58.8	94.63	313907	4.7953 ng/ml
MDA	3.203	167345	237.69	23.7	95.28	783122	4.8364 ng/ml
MDMA	3.296	100293	1184.85	77.0	649.48	164248	5.1000 ng/ml
Meprobamate	4.924	64554	198.89	27.5	925.25	473515	4.8795 ng/ml
Methadone	5.646	159664	209.55	50.6	1165.62	1233604	5.0532 ng/ml
Methamphetamine	3.231	139118	305.12	37.3	653.35	950291	4.9148 ng/ml
Metoprolol	4.326	24265	39013.93	94.7	571.48	2182727	4.8981 ng/ml
Mirtazapine	4.590	139938	897.63	52.5	1541.67	1081790	5.0040 ng/ml
Mitragynine	5.210	37087	48641.28	36.5	181.58	1233604	5.0617 ng/ml
Morphine	1.247	6880	269.83	38.3	26.43	13844	4.9712 ng/ml
Norbuprenorphine	4.992	408	193.84	94.4	348.78	27463	0.5144 ng/ml
Nordiazepam	5.893	81476	1062.26	55.7	356.44	466770	5.0067 ng/ml
Norfentanyl	4.086	21434	197.77	36.6	73.66	1840743	0.5110 ng/ml
Norhydrocodone	3.066	8769	116.10	44.5	70.30	123718	6.2265 ng/ml
Noroxycodone	2.909	58525	419.27	41.6	5271.13	370184	5.0043 ng/ml
O-desmethyl-tramadol	3.376	251531	480.85	7.0	140.31	2810000	5.0512 ng/ml
Oxazepam	5.749	140479	184.79	76.1	101.51	1157559	4.8678 ng/ml
Oxycodone	2.834	114502	285.24	26.4	566.60	913404	4.9771 ng/ml
Oxymorphone	1.398	60384	995.98	43.1	151.46	377022	4.9500 ng/ml
Phentermine	3.783	45681	82.85	3.6	28.36	899066	4.8557 ng/ml
Promethazine	5.525	183770	3530.25	28.1	122.21	1447499	5.0862 ng/ml
Pseudoephedrine	2.596	269626	957.50	16.2	2282.20	2454287	5.1395 ng/ml
Quetiapine	5.507	103358	186.69	57.1	118114.03	261724	4.9699 ng/ml
Sertraline	5.769	51894	256.78	101.0	748.60	392465	5.0338 ng/ml
Temazepam	5.816	243200	408.57	29.1	71.41	2207528	6.0149 ng/ml
Tramadol	4.246	241168	952.35	3.6	57.13	2182727	4.9874 ng/ml
Trazodone	5.047	113470	175.50	81.5	10172.23	768655	4.8736 ng/ml
Venlafaxine	5.037	189561	5105.92	36.4	147.35	1811042	5.1015 ng/ml
Zolpidem	4.826	260388	902.50	30.2	443.44	2363193	4.9629 ng/ml

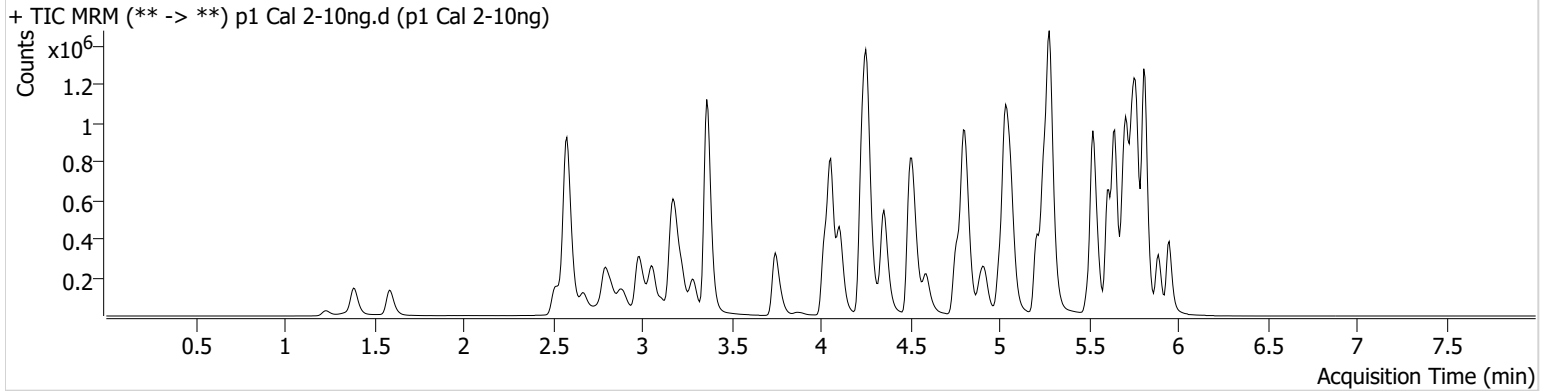
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 2-10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2-10ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-G12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 10:05:54 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	4744	124.89	70.1	525.52	137195	0.9822 ng/ml
7-aminoclonazepam	4.265	84655	152.69	74.8	3147.73	453145	10.1132 ng/ml
a-hydroxyalprazolam	5.699	60682	484.07	58.2	261.07	673331	10.5185 ng/ml
alpha-PHP	4.923	68686	700.07	275.0	3447.81	1095691	10.2878 ng/ml
alpha-PVP	4.363	266115	473.29	53.3	3862.00	1095691	9.8792 ng/ml
Alprazolam	5.775	200430	944.38	108.3	1528.80	673331	9.8836 ng/ml
Amphetamine	3.063	413354	571.52	50.7	433.90	442963	10.4050 ng/ml
Benzoylecgonine	3.892	7625	3334.14	8.7	169.52	28561	10.0180 ng/ml
Buprenorphine	5.670	5694	852.96	12.8	1714.64	195798	1.0743 ng/ml
Bupropion	4.774	248697	421.24	61.1	126.61	820065	9.9761 ng/ml
Carisoprodol	5.724	191557	693.48	58.0	123.09	971463	10.5067 ng/ml
Citalopram	5.212	181633	495.74	40.2	40645.52	763298	10.0931 ng/ml
Clonazepam	5.612	240307	7314.14	32.0	790.32	288346	10.4079 ng/ml
Clonazepam	5.549	159460	12855.17	39.4	84982.69	288346	10.4417 ng/ml
Cocaine	4.257	211018	211.96	51.6	196.10	1762964	10.0136 ng/ml
Codeine	2.566	26971	833.79	100.2	1319.16	123479	10.4414 ng/ml
Cyclobenzaprine	5.615	166048	910.60	9.5	70.72	649479	9.8613 ng/ml
Dextromethorphan	5.262	104743	827.77	80.8	321.74	512660	9.7601 ng/ml
Dextrophan	4.111	72331	191.04	204.2	3106.11	796703	10.4193 ng/ml
Diazepam	5.953	129973	1845.75	87.7	∞	591892	10.0541 ng/ml
Dihydrocodeine	2.545	67224	5246.72	68.0	6217.87	372429	10.2339 ng/ml
Diphenhydramine	5.289	427136	12254.86	34.5	198.58	2636423	9.8049 ng/ml
Doxylamine	4.523	498729	682.90	97.5	9101.37	2078602	10.1173 ng/ml
EDDP	5.254	210612	15370.67	42.4	1505.08	1081843	9.9044 ng/ml
Etizolam	5.813	128409	2451.45	25.5	51578.12	288346	9.7335 ng/ml
Fentanyl	5.082	18729	107.45	62.2	48761.71	951667	0.9805 ng/ml
Flualprazolam	5.705	94313	992.66	99.3	12990.37	673331	10.2060 ng/ml
Fluoxetine	5.700	218030	19021.31	8.5	180.18	871195	9.9271 ng/ml
Hydrocodone	3.012	98581	262.43	38.6	121.38	540898	10.3959 ng/ml
Hydromorphone	1.595	87281	1369.74	78.3	2093.45	286350	10.0377 ng/ml
Ketamine	4.037	203224	4340.74	37.1	182.02	936199	9.9512 ng/ml
Lamotrigine	4.267	19183	347.30	79.6	465.34	936199	10.1287 ng/ml
Levetiracetam	2.676	91179	706.96	165.2	2011.05	2345495	10.2416 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	213544	1734.54	58.9	237.43	288346	10.6595 ng/ml
MDA	3.196	316790	1004.37	24.0	144.10	776769	10.2765 ng/ml
MDMA	3.290	190476	3934.68	78.7	1144.49	168808	9.7667 ng/ml
Meprobamate	4.924	111804	2262.22	29.2	823.85	452098	10.1354 ng/ml
Methadone	5.646	334290	884.99	49.0	607.35	1344004	10.1295 ng/ml
Methamphetamine	3.231	259737	1220.73	37.8	252.50	979208	10.1807 ng/ml
Metoprolol	4.326	47454	107662.49	94.2	724.17	2119070	10.5293 ng/ml
Mirtazapine	4.590	292508	22809.49	52.0	868.10	1095691	10.5924 ng/ml
Mitragynine	5.210	72794	79998.51	40.8	281.77	1344004	9.8791 ng/ml
Morphine	1.240	12535	1091.61	37.1	965.97	12815	10.1894 ng/ml
Norbuprenorphine	4.986	735	235.40	99.3	2958.29	30644	0.9622 ng/ml
Nordiazepam	5.900	140842	523.30	57.0	1400.62	433039	10.0318 ng/ml
Norfentanyl	4.079	40945	76.98	36.4	187.75	1825173	0.9865 ng/ml
Norhydrocodone	3.060	15363	54.93	45.9	73.58	115722	10.4691 ng/ml
Noroxycodone	2.903	103217	939.29	42.9	91.02	343839	10.0091 ng/ml
O-desmethyl-tramadol	3.369	447678	∞	6.8	418.92	2604515	10.0216 ng/ml
Oxazepam	5.749	256291	3196.74	72.5	228.23	1083177	10.3282 ng/ml
Oxycodone	2.827	201961	470.38	27.2	304.07	852606	10.0946 ng/ml
Oxymorphone	1.391	106400	294.18	43.0	465.33	342964	10.2560 ng/ml
Phentermine	3.783	88687	233.31	3.9	59.34	919108	10.3721 ng/ml
Promethazine	5.532	369783	5878.42	28.0	2672.24	1552402	9.7924 ng/ml
Pseudoephedrine	2.589	484335	388.62	16.3	423.10	2345495	9.7729 ng/ml
Quetiapine	5.507	203969	6181.40	59.8	107592.95	280280	10.0214 ng/ml
Sertraline	5.769	104723	258.69	96.7	2726.56	417638	10.0379 ng/ml
Temazepam	5.816	434309	795.57	28.4	95.45	2030821	10.5912 ng/ml
Tramadol	4.246	439573	528.45	3.6	63.39	2119070	10.0819 ng/ml
Trazodone	5.047	235737	10174.70	80.8	14952.63	857415	10.2531 ng/ml
Venlafaxine	5.037	376286	486.91	37.0	512.50	1897694	9.9359 ng/ml
Zolpidem	4.820	462404	376.19	30.6	811.79	2239544	10.0956 ng/ml

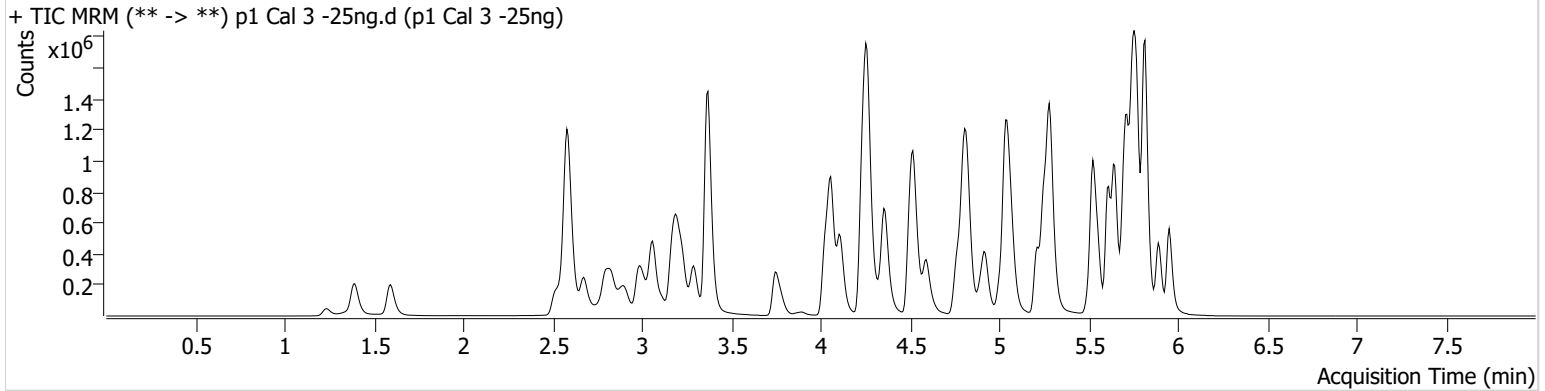
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 3 -25ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 3 -25ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-F12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 10:16:29 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	12676	315.49	68.1	11800.07	146484	2.3977 ng/ml
7-aminoclonazepam	4.265	204917	4906.22	76.6	4062.02	472415	24.4890 ng/ml
a-hydroxyalprazolam	5.692	148580	466.64	58.2	893.79	701290	27.0245 ng/ml
alpha-PPH	4.923	135593	2528.75	265.1	2093.10	1007331	22.6914 ng/ml
alpha-PVP	4.363	579340	11556.18	52.9	8727.69	1007331	23.7899 ng/ml
Alprazolam	5.775	488221	626.30	112.3	2671.22	701290	23.6974 ng/ml
Amphetamine	3.063	833093	3058.48	51.3	894.39	389182	25.2989 ng/ml
Benzoylecgonine	3.892	18190	114.92	7.3	319.71	28817	24.8252 ng/ml
Buprenorphine	5.670	8971	157.27	14.9	6775.48	141641	2.2759 ng/ml
Bupropion	4.774	467526	8895.14	60.7	1917.09	649530	24.5528 ng/ml
Carisoprodol	5.724	462274	12847.87	59.1	439.42	988425	23.0961 ng/ml
Citalopram	5.212	314152	383.98	40.9	3644.44	554210	24.4678 ng/ml
Clonazepam	5.612	584187	553.62	32.0	411781.10	305425	25.1384 ng/ml
Clonazepam	5.549	398536	13503.03	37.0	11815.85	305425	22.9061 ng/ml
Cocaine	4.257	490134	21507.83	52.2	419.83	1735579	24.0052 ng/ml
Codeine	2.566	67256	701.23	99.7	172279.52	126079	27.0449 ng/ml
Cyclobenzaprine	5.615	288255	236.33	8.9	233.49	465721	24.2617 ng/ml
Dextromethorphan	5.255	176146	9407.86	79.7	577.24	357497	24.3637 ng/ml
Dextrophan	4.111	148364	340395.27	210.0	719.22	703021	23.9129 ng/ml
Diazepam	5.953	320588	733.73	88.1	570.78	618042	24.6850 ng/ml
Dihydrocodeine	2.545	169983	1820.75	67.0	2263.65	396046	26.1537 ng/ml
Diphenhydramine	5.289	744593	19447.81	33.4	263.85	1920142	23.7914 ng/ml
Doxylamine	4.522	1053480	14881.41	96.6	3609.52	1889607	24.6679 ng/ml
EDDP	5.254	400147	6759.66	42.5	8756.58	878742	23.5485 ng/ml
Etizolam	5.813	321077	3510.57	25.1	115637.65	305425	22.7095 ng/ml
Fentanyl	5.082	31266	889.89	68.2	1131.58	672523	2.3579 ng/ml
Flualprazolam	5.705	232439	2739.58	99.1	4633.92	701290	25.3036 ng/ml
Fluoxetine	5.700	362235	79048.32	8.4	3244.56	606379	24.8292 ng/ml
Hydrocodone	3.012	232885	405.27	41.0	250.57	559149	25.3752 ng/ml
Hydromorphone	1.595	213033	3180.43	78.6	566077.27	296276	24.4504 ng/ml
Ketamine	4.037	491214	639.76	36.5	220.99	961004	24.7059 ng/ml
Lamotrigine	4.273	45880	722.12	83.1	2421.32	961004	25.8186 ng/ml
Levetiracetam	2.676	221007	2555.13	165.5	929.51	2371317	24.4254 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	510190	17321.73	57.4	276.71	305425	26.2819 ng/ml
MDA	3.203	673775	2465.92	22.7	522.66	688284	26.2795 ng/ml
MDMA	3.290	408770	3263.47	74.7	682.32	148799	24.3572 ng/ml
Meprobamate	4.924	279493	1658.02	28.0	10112.87	466112	26.8224 ng/ml
Methadone	5.646	548374	90404.16	50.6	3280.13	979244	23.3747 ng/ml
Methamphetamine	3.231	485613	499.38	37.7	1293.57	806893	25.0928 ng/ml
Metoprolol	4.326	105167	379159.70	90.8	1945.07	2132378	23.9747 ng/ml
Mirtazapine	4.590	509033	2040.64	52.1	2797.17	1007331	20.2729 ng/ml
Mitragynine	5.210	124802	101180.81	39.3	497.90	979244	24.5299 ng/ml
Morphine	1.240	30819	1522.74	36.9	186.94	13502	24.3342 ng/ml
Norbuprenorphine	4.986	1122	∞	99.9	1920.41	21484	2.3492 ng/ml
Nordiazepam	5.900	343213	286417.31	56.3	823.21	454848	24.3486 ng/ml
Norfentanyl	4.079	96104	15547.09	32.7	560.44	1752140	2.4153 ng/ml
Norhydrocodone	3.059	37248	115.02	42.1	139.36	113237	23.9196 ng/ml
Noroxycodone	2.903	253895	363.57	42.7	1494.80	350736	24.9329 ng/ml
O-desmethyl-tramadol	3.369	1123270	821.86	6.8	2734.16	2815585	23.7226 ng/ml
Oxazepam	5.749	619790	4767.67	74.3	461.14	1112992	25.5013 ng/ml
Oxycodone	2.827	502917	1214.59	27.2	1015.18	899413	24.8844 ng/ml
Oxymorphone	1.391	256295	647.94	43.0	513.60	361620	24.3454 ng/ml
Phentermine	3.783	177112	133.38	3.8	53.28	796491	25.5720 ng/ml
Promethazine	5.525	652234	1386.95	27.2	1075.59	1110839	24.5551 ng/ml
Pseudoephedrine	2.589	1174746	10191.86	16.2	4299.82	2371317	23.6245 ng/ml
Quetiapine	5.507	371718	69927.80	56.8	186.88	216593	25.0243 ng/ml
Sertraline	5.769	170271	2089.30	96.3	1260.66	290759	24.1760 ng/ml
Temazepam	5.816	1058679	14597.18	29.2	1474.59	2121057	23.1814 ng/ml
Tramadol	4.246	1034815	6949.18	3.7	172.10	2132378	24.6825 ng/ml
Trazodone	5.047	406855	5173.78	82.8	21675.67	632525	25.8140 ng/ml
Venlafaxine	5.037	774557	1931.39	37.2	1332.54	1694506	23.3012 ng/ml
Zolpidem	4.819	1125261	3812.27	30.5	306.02	2325194	24.8866 ng/ml

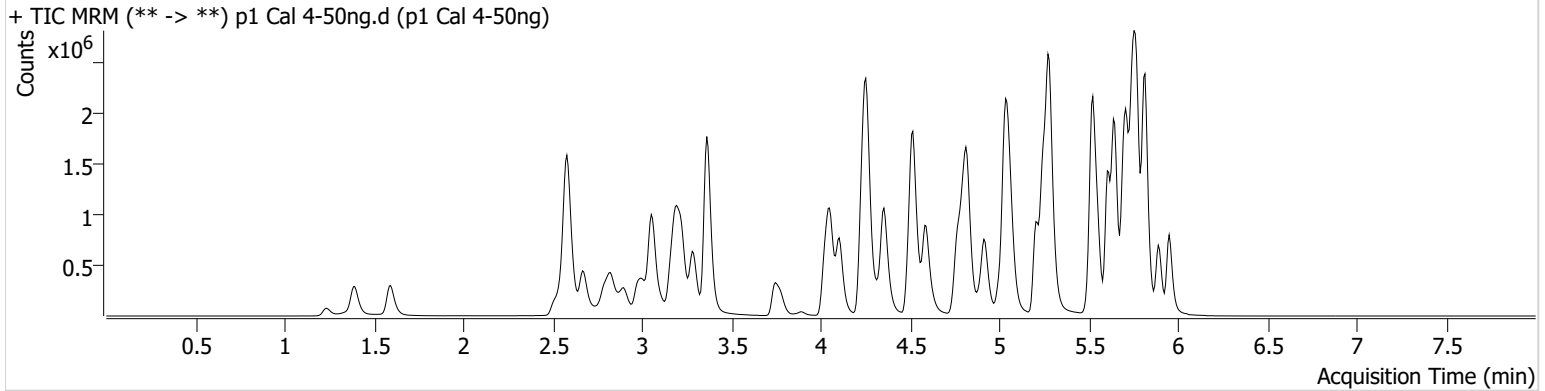
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 4-50ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 4-50ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-E12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 10:27:05 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	23923	1276.78	69.1	314.14	137074	4.7947 ng/ml
7-aminoclonazepam	4.265	395843	9888.82	77.7	6929.47	461537	49.1656 ng/ml
a-hydroxyalprazolam	5.692	267927	375.07	56.3	560.19	649556	54.2228 ng/ml
alpha-PHP	4.923	324048	10702.60	265.4	20084.27	1044589	52.9784 ng/ml
alpha-PVP	4.356	1216357	13537.98	52.6	911.66	1044589	48.4635 ng/ml
Alprazolam	5.775	916343	6922.67	111.0	∞	649556	48.4664 ng/ml
Amphetamine	3.056	1877268	773.52	52.0	1608.16	430454	52.6885 ng/ml
Benzoylecgonine	3.892	36362	1423.22	7.6	372.93	29278	49.6508 ng/ml
Buprenorphine	5.670	25506	872.14	14.3	5547.39	195975	4.6195 ng/ml
Bupropion	4.774	1136610	61915.80	61.6	629.22	801188	49.0101 ng/ml
Carisoprodol	5.724	849511	40800.36	59.0	698.72	891725	45.6671 ng/ml
Citalopram	5.205	871703	994.95	40.4	2172.45	792018	47.7969 ng/ml
Clonazepam	5.612	1080868	15898.70	31.9	534.62	283884	50.9979 ng/ml
Clonazepam	5.549	756123	36670.34	38.0	293714.37	283884	45.4301 ng/ml
Cocaine	4.257	957863	1598.77	52.4	35107.77	1706334	47.9931 ng/ml
Codeine	2.566	120914	91.29	99.5	4109.06	118561	52.6820 ng/ml
Cyclobenzaprine	5.608	807436	17426.04	9.3	1019.34	667796	47.6556 ng/ml
Dextromethorphan	5.255	501824	5592.22	81.4	369.82	511263	49.1150 ng/ml
Dextrophan	4.105	331106	878.22	202.8	852.45	768949	48.5500 ng/ml
Diazepam	5.953	612462	3477.50	88.4	372.25	592380	49.8837 ng/ml
Dihydrocodeine	2.545	311242	5213.27	67.9	2288.84	376166	51.6439 ng/ml
Diphenhydramine	5.282	2119651	364652.39	33.5	∞	2700731	48.3898 ng/ml
Doxylamine	4.516	2242397	2162.82	98.1	9802.76	1998966	50.5210 ng/ml
EDDP	5.248	1056664	7351.21	41.6	2713.86	1153343	47.6670 ng/ml
Etizolam	5.813	590088	9221.17	25.9	10168.53	283884	44.7112 ng/ml
Fentanyl	5.075	90083	1276.21	64.1	244.60	957878	4.8009 ng/ml
Flualprazolam	5.698	429871	4504.65	97.9	13774.54	649556	51.3643 ng/ml
Fluoxetine	5.700	1027131	66583.53	8.7	123791.45	855048	50.7549 ng/ml
Hydrocodone	3.005	447624	375.27	40.3	240.96	532085	52.5379 ng/ml
Hydromorphone	1.595	404969	2830.20	79.2	1806058.50	282447	49.3195 ng/ml
Ketamine	4.037	936992	941.69	36.6	573.43	919774	50.1727 ng/ml
Lamotrigine	4.267	91570	2270.01	78.2	900.43	919774	55.6511 ng/ml
Levetiracetam	2.670	438464	3896.16	163.0	626.36	2276564	50.3775 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	900679	2908.27	58.2	1213.04	283884	51.5216 ng/ml
MDA	3.196	1437043	2603.05	23.4	531.87	736742	53.5058 ng/ml
MDMA	3.290	877228	16834.89	75.6	3902.85	161645	48.5110 ng/ml
Meprobamate	4.917	517268	28237.83	28.1	226.67	452836	52.5244 ng/ml
Methadone	5.646	1593599	34567.32	50.9	994.35	1407731	47.7160 ng/ml
Methamphetamine	3.224	1210174	2410.65	37.4	3097.35	980229	53.1267 ng/ml
Metoprolol	4.319	211218	3687.18	93.2	1770.78	2041875	51.0021 ng/ml
Mirtazapine	4.590	1416313	4100.32	51.4	3641.78	1044589	54.8145 ng/ml
Mitragynine	5.203	351525	1134.84	39.3	860.05	1407731	48.9720 ng/ml
Morphine	1.240	59802	51.35	33.5	485.61	12864	49.9944 ng/ml
Norbuprenorphine	4.986	3318	2143.47	92.1	6888.60	30654	5.1027 ng/ml
Nordiazepam	5.893	668378	944.79	55.4	729.90	432980	50.6629 ng/ml
Norfentanyl	4.079	187659	2360.64	34.5	240.07	1767331	4.6779 ng/ml
Norhydrocodone	3.053	66058	711.79	42.3	260.91	99660	46.8129 ng/ml
Noroxycodone	2.903	461251	1186.16	43.5	615.51	324950	49.4322 ng/ml
O-desmethyl-tramadol	3.369	2112847	39160.36	6.9	543.78	2614610	48.4105 ng/ml
Oxazepam	5.749	1130383	522.26	72.9	5125.29	1001221	52.6078 ng/ml
Oxycodone	2.821	945092	768.06	27.1	2953.12	846799	50.4412 ng/ml
Oxymorphone	1.391	491892	∞	42.8	∞	336362	50.9913 ng/ml
Phentermine	3.783	401000	545.38	3.8	117.63	895955	52.7662 ng/ml
Promethazine	5.525	1881911	3160.44	27.6	613.93	1642488	48.1875 ng/ml
Pseudoephedrine	2.589	2261632	3232.33	16.1	29147.64	2276564	47.5037 ng/ml
Quetiapine	5.507	1005535	600.91	58.2	∞	290462	51.5193 ng/ml
Sertraline	5.769	496624	11316.23	95.1	612.72	417630	49.6580 ng/ml
Temazepam	5.816	1974519	1152.70	28.5	565.63	1943330	45.9955 ng/ml
Tramadol	4.239	1961982	1026.46	3.7	246.35	2041875	49.6739 ng/ml
Trazodone	5.047	1116828	31859.12	81.9	76275.08	889670	51.6768 ng/ml
Venlafaxine	5.037	1724686	2478.57	36.4	724.42	1817907	48.6890 ng/ml
Zolpidem	4.820	2198671	7310.79	30.4	6030.85	2277636	50.5476 ng/ml

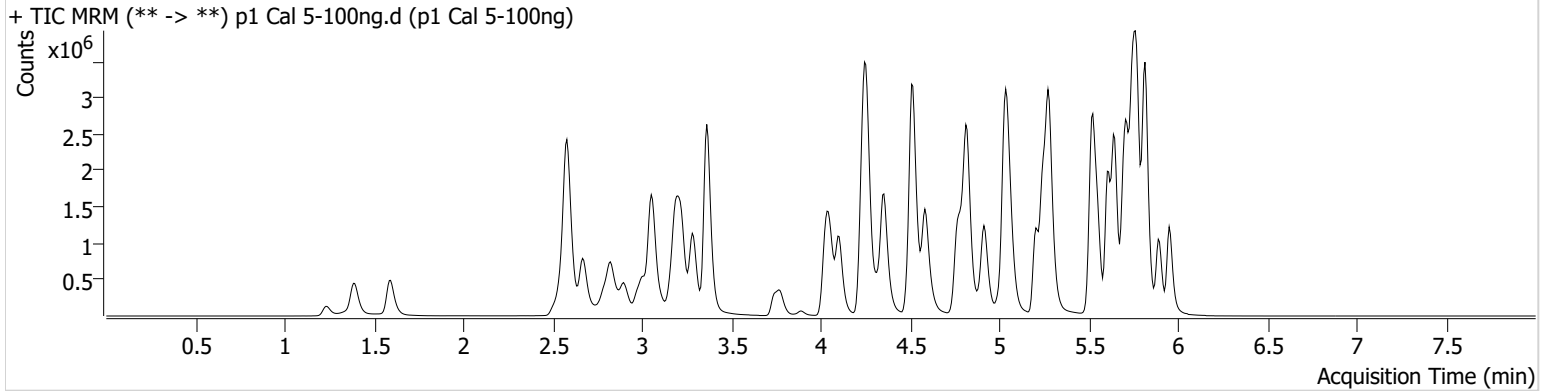
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-D12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 10:37:41 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	49344	518.55	67.7	1269.03	137207	9.8374 ng/ml
7-aminoclonazepam	4.265	704130	8076.78	76.5	245.41	406029	100.1912 ng/ml
a-hydroxyalprazolam	5.692	445899	473.31	56.7	1435.20	590586	100.6631 ng/ml
alpha-PHP	4.917	565385	4575.94	265.9	4948.47	1009281	96.0902 ng/ml
alpha-PVP	4.356	2300981	2690.47	52.9	1327.82	1009281	95.1628 ng/ml
Alprazolam	5.775	1701863	1442.48	110.5	2252.37	590586	99.4546 ng/ml
Amphetamine	3.056	3242092	14044.48	51.2	7627.08	384099	103.0100 ng/ml
Benzoylecgonine	3.892	67309	1174.86	8.2	163.73	28018	96.8219 ng/ml
Buprenorphine	5.670	39890	1728.41	13.6	9870.68	154314	9.1214 ng/ml
Bupropion	4.774	1959142	2540.92	61.0	901.49	690839	98.6075 ng/ml
Carisoprodol	5.724	1458596	38687.77	58.4	3320.35	759792	90.6753 ng/ml
Citalopram	5.205	1350503	1479.83	40.4	913.10	606562	97.0055 ng/ml
Clonazepam	5.612	1926460	29060.24	31.1	24327.08	253473	102.7629 ng/ml
Clonazepam	5.549	1356778	104486.86	38.5	497634.75	253473	90.0137 ng/ml
Cocaine	4.257	1855650	610.46	52.6	730.25	1639723	97.0370 ng/ml
Codeine	2.560	233481	3471.81	97.1	295782.97	117131	103.9919 ng/ml
Cyclobenzaprine	5.608	1229135	24704.35	9.1	250.14	507650	95.7036 ng/ml
Dextromethorphan	5.255	759411	628.94	81.8	481.69	388945	98.2795 ng/ml
Dextrophan	4.105	609875	2284.74	202.8	13954.09	720500	95.2154 ng/ml
Diazepam	5.953	1139566	860.18	88.2	104636.23	549337	100.7786 ng/ml
Dihydrocodeine	2.545	609937	902.38	68.7	1301.97	375148	102.7547 ng/ml
Diphenhydramine	5.282	3254340	735.28	33.8	384.28	2112453	95.2064 ng/ml
Doxylamine	4.516	4431503	3197.16	97.1	14222.36	1968598	102.2633 ng/ml
EDDP	5.248	1741865	712.26	41.4	12635.43	928540	97.8993 ng/ml
Etizolam	5.813	1114918	16313.46	25.1	567887.08	253473	94.3939 ng/ml
Fentanyl	5.075	146752	205.40	62.9	105817.01	748998	10.0353 ng/ml
Flualprazolam	5.705	760288	6736.28	98.9	1653206.11	590586	100.7137 ng/ml
Fluoxetine	5.700	1401400	46456.87	8.4	30318.24	587456	101.5985 ng/ml
Hydrocodone	3.005	865324	∞	40.8	372.93	529147	103.3159 ng/ml
Hydromorphone	1.595	773201	5151820.95	79.0	4765.96	268259	99.7188 ng/ml
Ketamine	4.031	1841971	81635.68	36.4	1206.67	923693	99.1130 ng/ml
Lamotrigine	4.267	159940	1576.96	80.4	1697.82	923693	98.0232 ng/ml
Levetiracetam	2.670	806243	7124.12	163.5	742.75	2227080	94.6110 ng/ml

cy SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1374571	25814.87	57.1	894.57	253473	89.3281 ng/ml
MDA	3.196	2490165	4930.41	23.1	898.55	660652	104.4694 ng/ml
MDMA	3.283	1664662	9314.57	74.9	1886.20	152547	97.9548 ng/ml
Meprobamate	4.917	891437	20158.99	28.3	356.81	416268	99.8497 ng/ml
Methadone	5.646	2516348	63880.76	49.0	2683.09	1093978	97.4229 ng/ml
Methamphetamine	3.224	1975368	3979.60	37.0	2355.64	845635	101.9227 ng/ml
Metoprolol	4.319	409662	1102047.49	93.5	51876.12	2065600	98.3828 ng/ml
Mirtazapine	4.583	2267757	24629.16	52.0	24109.40	1009281	91.0016 ng/ml
Mitragynine	5.203	540629	2630.79	39.1	71369.50	1093978	97.8460 ng/ml
Morphine	1.233	113887	680.83	37.4	1080.92	11987	102.6156 ng/ml
Norbuprenorphine	4.979	5018	1339.88	95.8	8674.01	24179	9.9821 ng/ml
Nordiazepam	5.900	1205171	731.65	55.5	888.76	393816	101.2362 ng/ml
Norfentanyl	4.079	369004	12003.11	34.7	852.60	1718449	9.4625 ng/ml
Norhydrocodone	3.053	120843	173.25	42.3	130.25	92477	90.9610 ng/ml
Noroxycodone	2.903	883490	1701.87	42.6	523.47	308132	100.4269 ng/ml
O-desmethyl-tramadol	3.362	4318219	17236.58	6.7	6379.34	2572742	100.9280 ng/ml
Oxazepam	5.749	1836440	5489.46	73.8	9239.78	843848	102.2247 ng/ml
Oxycodone	2.821	1883242	7241.00	27.1	2297.38	864181	99.2290 ng/ml
Oxymorphone	1.391	914289	∞	44.2	∞	321471	99.8421 ng/ml
Phentermine	3.776	708800	∞	3.8	1548.07	819679	103.1406 ng/ml
Promethazine	5.525	2852921	2471.39	27.5	513.09	1232274	97.6596 ng/ml
Pseudoephedrine	2.583	4469317	30353.73	16.0	10548.59	2227080	96.0903 ng/ml
Quetiapine	5.507	1596222	17157.70	58.8	2368450.78	231809	103.4893 ng/ml
Sertraline	5.769	666470	625.95	98.5	3325.83	291975	95.8256 ng/ml
Temazepam	5.816	3555527	2883.37	27.7	3992.64	1739933	91.3409 ng/ml
Tramadol	4.239	3990217	1612.12	3.6	344.32	2065600	100.6920 ng/ml
Trazodone	5.040	1807597	49606.71	80.6	41266.40	710476	106.1349 ng/ml
Venlafaxine	5.030	3217355	31621.88	36.8	879.51	1737092	95.3428 ng/ml
Zolpidem	4.820	4317080	6257.46	30.3	∞	2220945	102.7064 ng/ml

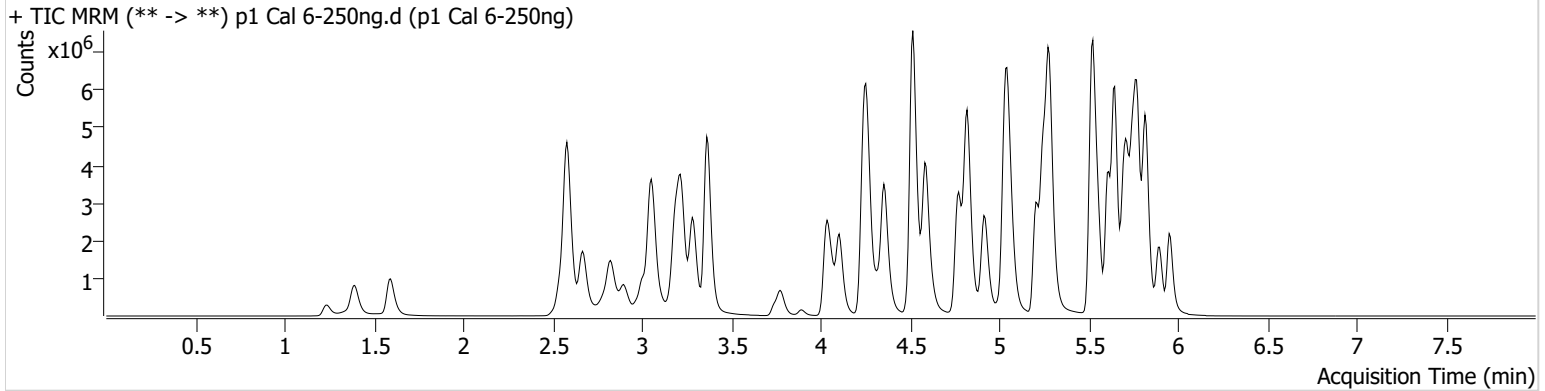
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 6-250ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 6-250ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-C12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 10:48:16 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	114129	1937.42	69.3	687.64	126384	24.6410 ng/ml
7-aminoclonazepam	4.265	1351685	18566.84	78.2	32630.38	310954	252.2863 ng/ml
a-hydroxyalprazolam	5.692	692224	1439.46	57.0	1834.31	452156	205.8618 ng/ml
alpha-PHP	4.923	1436387	29040.97	274.3	3800.51	934609	264.5395 ng/ml
alpha-PVP	4.356	5597597	126065.57	51.6	25258.10	934609	250.4699 ng/ml
Alprazolam	5.775	3296569	1791.08	113.5	1323.49	452156	252.2923 ng/ml
Amphetamine	3.056	7808003	3555.22	49.1	3176.40	394963	242.7407 ng/ml
Benzoylcegonine	3.892	175593	7855.91	7.9	524.32	29023	245.0975 ng/ml
Buprenorphine	5.670	117111	226543.48	14.6	44657.60	167077	24.6404 ng/ml
Bupropion	4.774	5362438	5641.49	59.5	14724.43	731086	256.0541 ng/ml
Carisoprodol	5.724	2569129	94417.53	58.4	9380.03	516928	232.6370 ng/ml
Citalopram	5.205	3831570	1961.40	40.2	1279.49	664101	251.8623 ng/ml
Clonazepam	5.612	3324470	26694.42	31.1	36732.28	184359	245.1449 ng/ml
Clonazepam	5.549	2734551	175537.05	38.0	281574.97	184359	247.1773 ng/ml
Cocaine	4.257	4130138	4181.12	51.5	14052.81	1431752	247.7806 ng/ml
Codeine	2.560	461464	14869.66	99.7	6183.58	101878	237.6697 ng/ml
Cyclobenzaprine	5.608	3702416	46545.12	8.8	4882.90	579139	253.1426 ng/ml
Dextromethorphan	5.255	2118864	1224.29	80.5	722.18	422686	253.2417 ng/ml
Dextrophan	4.105	1475181	25597.02	206.4	2867.48	687866	240.8808 ng/ml
Diazepam	5.953	2438484	5939.29	86.8	12502.45	473440	251.2383 ng/ml
Dihydrocodeine	2.538	1359902	1029.71	68.4	2054.88	352540	245.6037 ng/ml
Diphenhydramine	5.282	9642934	2106.95	32.7	59876.21	2327705	256.4105 ng/ml
Doxylamine	4.516	11230977	144530.15	96.0	54644.81	1908811	268.7019 ng/ml
EDDP	5.248	4820655	47279.74	41.3	919.14	1012331	248.9513 ng/ml
Etizolam	5.813	2261614	4217.99	25.5	5675.88	184359	262.9094 ng/ml
Fentanyl	5.075	425987	290.94	64.9	401.35	878298	24.8867 ng/ml
Flualprazolam	5.705	1450529	7941.04	102.6	1242.36	452156	252.2345 ng/ml
Fluoxetine	5.700	3666906	103966.13	8.4	5609.69	626328	250.5321 ng/ml
Hydrocodone	3.005	1869811	1141.74	41.8	281.35	481741	246.9451 ng/ml
Hydromorphone	1.595	1755448	11121.63	78.7	10915.60	242677	251.1215 ng/ml
Ketamine	4.037	4272870	59729.38	36.2	697.19	845054	252.7541 ng/ml
Lamotrigine	4.267	326115	2296.41	79.5	1442.84	845054	220.5178 ng/ml
Levetiracetam	2.670	1797148	12841.23	165.9	31311.35	1975959	237.5543 ng/ml



CS SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1771801	45944.60	57.9	26561.71	184359	159.6852 ng/ml
MDA	3.189	5270772	14903.06	22.7	1993.44	575477	255.4983 ng/ml
MDMA	3.283	3979010	120342.24	74.8	5951.25	140815	254.2878 ng/ml
Meprobamate	4.917	1641630	47289.76	28.4	14141.61	347501	222.1690 ng/ml
Methadone	5.646	7665761	1406.47	47.7	3949.62	1239851	262.6365 ng/ml
Methamphetamine	3.224	5776305	17119.61	36.7	5551.07	976552	260.4912 ng/ml
Metoprolol	4.319	929033	7666.95	92.8	44632.88	1761895	262.6553 ng/ml
Mirtazapine	4.590	6619591	93415.50	51.6	3315.48	934609	287.3941 ng/ml
Mitragynine	5.203	1564495	4573.48	39.4	3856.12	1239851	251.3105 ng/ml
Morphine	1.240	266434	138.49	38.2	276.78	11373	253.6420 ng/ml
Norbuprenorphine	4.979	15059	379.15	97.5	191.45	29524	24.8483 ng/ml
Nordiazepam	5.900	2448498	1044.93	55.5	2165.23	319630	254.6395 ng/ml
Norfentanyl	4.079	880405	2791.78	34.2	4653.32	1588788	24.4225 ng/ml
Norhydrocodone	3.053	246020	183.60	42.8	322.46	74807	226.8523 ng/ml
Noroxycodone	2.896	1793794	1041.77	42.5	563.74	249438	252.7315 ng/ml
O-desmethyl-tramadol	3.362	10125273	559749.04	6.4	41705.75	2298452	265.4642 ng/ml
Oxazepam	5.749	2789605	22727.57	72.0	5556.74	517982	254.2715 ng/ml
Oxycodone	2.821	4299179	1798.80	27.0	1865.34	773453	254.3008 ng/ml
Oxymorphone	1.391	1998954	∞	41.8	3128.90	272484	258.6594 ng/ml
Phentermine	3.776	1703135	1249.94	3.8	972.30	839172	243.7976 ng/ml
Promethazine	5.525	9063657	4490.38	26.5	28574.25	1462095	261.9710 ng/ml
Pseudoephedrine	2.583	10511914	1273.85	15.4	65641.04	1975959	254.9397 ng/ml
Quetiapine	5.508	4363177	253933.02	57.4	2702.49	261983	251.7532 ng/ml
Sertraline	5.769	1813759	19121.05	97.4	27375.55	302350	252.7289 ng/ml
Temazepam	5.823	6458603	93627.72	27.7	11759.15	1192473	240.1917 ng/ml
Tramadol	4.239	8978221	3033.62	3.5	3609.00	1761895	266.9574 ng/ml
Trazodone	5.047	4889520	278957.56	81.1	2107.32	800485	256.7220 ng/ml
Venlafaxine	5.030	7894374	3747.10	35.6	961.23	1587084	256.5648 ng/ml
Zolpidem	4.820	10415121	7588.76	29.1	6697.23	2055351	269.2097 ng/ml

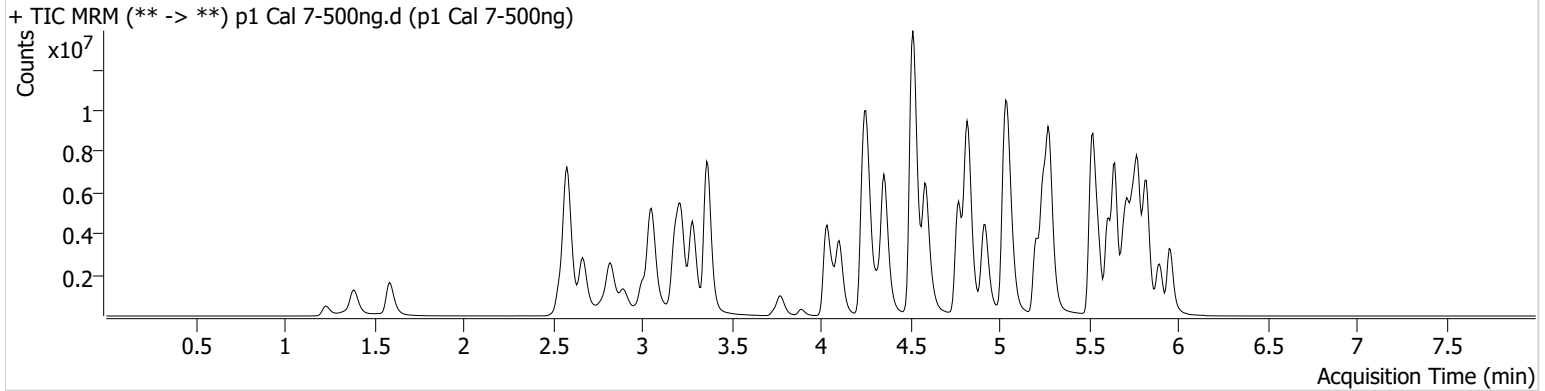
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-B12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 10:58:52 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	231058	2602.25	71.0	635.69	125729	50.1046 ng/ml
7-aminoclonazepam	4.271	1969562	7577.74	74.5	16056.72	221378	517.1548 ng/ml
a-hydroxyalprazolam	5.685	899113	1211.07	57.6	694.53	366900	330.5433 ng/ml
alpha-PHP	4.923	2662051	2298.64	278.0	19841.84	927461	494.5031 ng/ml
alpha-PVP	4.356	11810461	80534.01	51.1	69953.36	927461	532.8693 ng/ml
Alprazolam	5.775	5508565	519.85	111.8	∞	366900	520.0035 ng/ml
Amphetamine	3.056	11517810	3732.03	48.7	24092.43	307820	460.4299 ng/ml
Benzoylecgonine	3.892	360977	378.85	7.8	610.29	28761	509.3550 ng/ml
Buprenorphine	5.670	150158	11918.40	14.7	33723.27	109243	48.2674 ng/ml
Bupropion	4.774	9356118	132977.48	59.6	1503.92	629451	519.5398 ng/ml
Carisoprodol	5.724	3841633	686983.32	57.2	11720.04	353312	507.3768 ng/ml
Citalopram	5.205	4972154	1708.24	40.2	569.20	423516	512.8199 ng/ml
Clonazepam	5.612	4996094	71525.21	31.0	4424243.24	143337	474.7462 ng/ml
Clonazepam	5.549	4373389	82671.30	37.7	644260.31	143337	507.1006 ng/ml
Cocaine	4.257	7645217	1103.77	49.8	56822.93	1251373	525.0882 ng/ml
Codeine	2.560	749574	1025.70	98.4	222.25	90252	436.6822 ng/ml
Cyclobenzaprine	5.608	4397832	23083.41	8.9	2233.46	337872	515.6886 ng/ml
Dextromethorphan	5.255	2545581	752.92	80.2	11223.99	246741	521.8088 ng/ml
Dextrophan	4.105	2744212	1443.89	206.2	23118.65	611912	503.4670 ng/ml
Diazepam	5.960	4070655	8264.02	87.1	630.02	392337	506.7963 ng/ml
Dihydrocodeine	2.538	2478580	5109.58	68.4	17184.43	346942	455.9897 ng/ml
Diphenhydramine	5.282	13198755	89145.83	32.3	476.53	1505967	542.7242 ng/ml
Doxylamine	4.516	22998321	14361.80	96.3	18117.23	2029533	518.3179 ng/ml
EDDP	5.248	8417694	1837.26	40.0	650.92	835488	527.0427 ng/ml
Etizolam	5.813	3968853	4348.91	25.0	32592.09	143337	593.1665 ng/ml
Fentanyl	5.075	558875	675.76	65.8	710175.32	525057	54.6527 ng/ml
Flualprazolam	5.705	2367317	15475.18	103.3	44331.79	366900	508.1660 ng/ml
Fluoxetine	5.700	3366485	52038.07	8.5	14848.69	287124	502.5528 ng/ml
Hydrocodone	3.005	3624527	∞	40.8	496.66	468163	493.8246 ng/ml
Hydromorphone	1.588	3101348	3137.55	78.8	14269720.3	211668	509.2332 ng/ml
Ketamine	4.037	8420724	247124.04	35.3	11860.40	819119	514.8555 ng/ml
Lamotrigine	4.267	471865	5279.99	81.2	2024.02	819119	329.9973 ng/ml

CS SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.670	2987735	20425.95	166.2	26568.13	1655734	471.2216 ng/ml
Lorazepam	5.740	1894420	31517.64	57.6	8170.14	143337	220.2682 ng/ml
MDA	3.189	8187968	11815.44	22.4	3522.09	468115	488.9857 ng/ml
MDMA	3.283	7418066	127827.99	74.8	18967.45	129810	514.6696 ng/ml
Meprobamate	4.917	2384908	69170.35	28.8	11731.24	306439	367.0297 ng/ml
Methadone	5.646	9773208	93460.28	47.8	34045.94	765507	542.8056 ng/ml
Methamphetamine	3.224	8485518	3306.13	36.5	1891.59	772630	485.0117 ng/ml
Metoprolol	4.319	1794245	7445.01	92.6	101943.92	1741943	513.6998 ng/ml
Mirtazapine	4.590	10085182	132609.04	50.8	2400.83	927461	441.3633 ng/ml
Mitragynine	5.203	2000917	55130.22	39.3	2894.22	765507	521.5942 ng/ml
Morphine	1.233	473879	5028.06	36.9	∞	9958	515.6408 ng/ml
Norbuprenorphine	4.986	19790	241.17	100.5	362.70	19164	50.5265 ng/ml
Nordiazepam	5.900	3739567	18629.73	54.5	1221.58	245338	507.4818 ng/ml
Norfentanyl	4.079	1852295	32320.45	34.0	18705.59	1529091	53.3915 ng/ml
Norhydrocodone	3.053	455380	∞	41.7	400.84	67639	462.9639 ng/ml
Noroxycodone	2.896	2846676	4587.90	43.7	969.65	202550	494.4583 ng/ml
O-desmethyl-tramadol	3.362	18654076	174949.31	6.5	5434.70	2093356	537.3467 ng/ml
Oxazepam	5.749	3032870	22837.01	72.0	6791.86	290783	493.2670 ng/ml
Oxycodone	2.821	8094572	2093.96	27.1	2348.43	738052	502.5227 ng/ml
Oxymorphone	1.385	3501096	∞	41.2	∞	244738	505.0692 ng/ml
Phentermine	3.776	2773542	1782.69	3.8	262.66	736567	453.4231 ng/ml
Promethazine	5.525	10860868	3077.92	27.2	2926.62	853278	538.1969 ng/ml
Pseudoephedrine	2.583	18689899	214530.88	15.1	133476.57	1655734	541.0846 ng/ml
Quetiapine	5.507	6321205	111055.50	56.9	2253.90	185064	517.4020 ng/ml
Sertraline	5.769	1824740	459.07	96.7	37905.51	148134	519.5344 ng/ml
Temazepam	5.823	8674612	68825.99	27.1	18108.11	776999	493.8817 ng/ml
Tramadol	4.239	17309932	1871.51	3.5	955.16	1741943	521.3642 ng/ml
Trazodone	5.047	6834181	7423.33	80.7	110062.75	584130	492.9788 ng/ml
Venlafaxine	5.030	16035333	4169.72	35.3	2993.35	1526032	542.3311 ng/ml
Zolpidem	4.820	20024299	23239.40	30.3	3860.21	2078479	512.6487 ng/ml

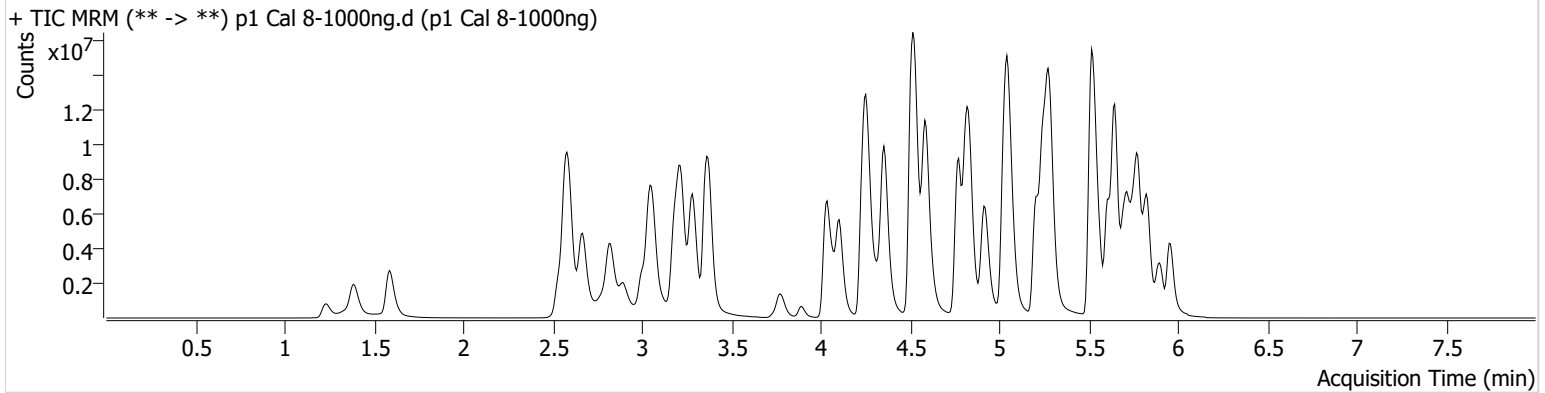
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2021\AM 27-28\081121 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/13/2021 8:20:36 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-A12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/11/2021 11:09:28 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	416832	1108.14	70.2	1461.74	112831	100.6816 ng/ml
7-aminoclonazepam	4.271	2143288	14622.66	86.1	4083.66	127103	980.8685 ng/ml
a-hydroxyalprazolam	5.685	945537	141.36	57.4	272.94	242772	526.3440 ng/ml
alpha-PHP	4.923	4123888	6758.32	284.7	13513.03	713082	996.8902 ng/ml
alpha-PVP	4.356	17917126	2172.36	52.2	6347.84	713082	1051.7070 ng/ml
Alprazolam	5.775	7229733	∞	109.6	∞	242772	1031.8565 ng/ml
Amphetamine	3.056	18022237	33938.26	48.2	21095.14	283302	783.5726 ng/ml
Benzoylcegonine	3.892	762254	29564.12	7.8	7797.23	29710	1042.0753 ng/ml
Buprenorphine	5.670	293726	5576.93	14.4	57558.34	99688	103.4039 ng/ml
Bupropion	4.774	15834651	3952.52	60.7	2102.75	562764	984.0513 ng/ml
Carisoprodol	5.724	4400641	192124.97	57.4	10809.72	200297	1023.8598 ng/ml
Citalopram	5.205	9541204	4830.40	39.4	5679.10	397787	1048.0348 ng/ml
Clonazepam	5.612	5104587	15844.08	31.2	61412.42	87635	794.0161 ng/ml
Clonazepam	5.555	5336667	73060.42	37.8	85446.37	87635	1010.8449 ng/ml
Cocaine	4.257	12115885	1588.18	50.3	1556.02	987554	1054.7252 ng/ml
Codeine	2.553	1054190	946.82	98.2	655.54	79728	695.8418 ng/ml
Cyclobenzaprine	5.608	8987112	3999.69	8.5	17469.44	332687	1070.5448 ng/ml
Dextromethorphan	5.255	4371558	553.01	79.6	639.50	219300	1008.7845 ng/ml
Dextrophan	4.105	4407461	415382.24	213.1	107304.13	488785	1012.0753 ng/ml
Diazepam	5.960	5936836	8849.51	87.6	639.33	294995	983.6793 ng/ml
Dihydrocodeine	2.532	3916671	2043.68	68.9	1289.09	327543	764.1239 ng/ml
Diphenhydramine	5.282	22312816	339003.01	35.5	3060.45	1363846	1013.2977 ng/ml
Doxylamine	4.516	31137051	3568.33	97.9	4874.92	1650231	863.6184 ng/ml
EDDP	5.248	15119585	75308.36	39.7	1421.54	743503	1064.0658 ng/ml
Etizolam	5.813	5718267	11814.79	24.4	60947.62	87635	1397.5778 ng/ml
Fentanyl	5.075	1185664	47886.06	67.4	13646.58	533619	114.1195 ng/ml
Flualprazolam	5.705	2844053	38556.32	106.5	4347.85	242772	923.3365 ng/ml
Fluoxetine	5.700	6054127	3477.70	8.3	10054.38	266886	973.0613 ng/ml
Hydrocodone	2.998	5994261	4874.52	40.2	569.40	418447	914.7910 ng/ml
Hydromorphone	1.588	5650470	16559438.21	77.8	10182598.3	194935	1007.9867 ng/ml
Ketamine	4.037	14328160	272236.68	34.5	30223.12	735231	976.8410 ng/ml
Lamotrigine	4.273	639498	12954.63	78.2	11396.71	735231	499.1099 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.670	5228134	4200.93	167.6	11794.89	1305050	1046.0363 ng/ml
Lorazepam	5.740	1841936	121886.91	57.2	6424.46	87635	351.3469 ng/ml
MDA	3.182	11541622	73796.99	21.8	6682.06	384896	839.1171 ng/ml
MDMA	3.283	12005716	33522.25	74.5	18518.54	104737	1032.7773 ng/ml
Meprobamate	4.917	2967838	27071.79	28.0	23060.16	238763	587.1443 ng/ml
Methadone	5.646	17651271	1240.71	53.8	59510.69	768640	976.7218 ng/ml
Methamphetamine	3.217	15836878	6270.55	35.2	22958.11	776951	901.5081 ng/ml
Metoprolol	4.319	2478042	161108.21	92.7	127547.07	1334560	926.5693 ng/ml
Mirtazapine	4.590	19150872	148165.93	52.0	89854.21	713082	1090.4436 ng/ml
Mitragynine	5.203	3895503	2012.63	39.5	41191.70	768640	1012.2220 ng/ml
Morphine	1.233	838624	∞	40.0	∞	9655	941.5503 ng/ml
Norbuprenorphine	4.979	43083	1040.11	94.9	2628.52	20196	104.6091 ng/ml
Nordiazepam	5.900	4960590	671.06	55.0	399.87	171741	962.3898 ng/ml
Norfentanyl	4.072	2940560	53610.19	34.2	9723.19	1179501	109.8846 ng/ml
Norhydrocodone	3.053	828970	403.70	41.9	137.01	53097	1071.7945 ng/ml
Noroxycodone	2.896	4385455	13299.69	42.5	55042.11	153130	1008.1627 ng/ml
O-desmethyl-tramadol	3.369	27343443	381804.49	7.5	808.06	1783688	924.6488 ng/ml
Oxazepam	5.749	2642625	36807.31	71.4	9037.26	139668	895.5375 ng/ml
Oxycodone	2.814	14456702	∞	26.5	2947.78	678928	976.3799 ng/ml
Oxymorphone	1.385	5837331	1561.92	42.5	∞	217642	947.5568 ng/ml
Phentermine	3.776	4352190	2879.71	3.7	469.95	666161	787.6419 ng/ml
Promethazine	5.525	20032656	4440.30	30.8	267534.47	885580	956.7059 ng/ml
Pseudoephedrine	2.589	28227662	143869.89	16.2	120821.18	1305050	1036.9210 ng/ml
Quetiapine	5.507	12017142	93498.57	58.4	104461.16	203376	895.8074 ng/ml
Sertraline	5.762	3148465	30022.28	96.6	27524.73	130125	1021.0150 ng/ml
Temazepam	5.830	9446354	48627.03	27.7	10242.91	405693	1028.8027 ng/ml
Tramadol	4.239	22777903	4904.14	3.8	2556.71	1334560	896.0665 ng/ml
Trazodone	5.047	12474407	1766.96	81.1	95114.02	612130	859.6840 ng/ml
Venlafaxine	5.030	22500091	270850.61	37.3	986.54	1143354	1015.9371 ng/ml
Zolpidem	4.826	28215137	177061.33	35.1	2737.19	1742496	862.2456 ng/ml