

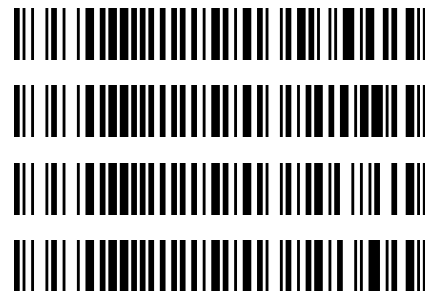
**Worklist: 5001**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-1921	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1923	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1946	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1975	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2086	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2089	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0231	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1170	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1411	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1439	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1441	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1442	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1443	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1444	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1445	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1458	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1508	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1510	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1534	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1547	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1566	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 5001**

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-1567	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2021-1581	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2021-1587	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2021-1588	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: ~~05/25/21~~ 05/26/21  
Plate lot#: IDP-121-201207

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

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

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

**Blank Blood Lot:** Lampire 20L20724

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

**LCMS-QQQ ID:** 069901

### Pre-Analytic:

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

### 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 5-100, Amphetamine 5-500, Codeine 5-500, Dihydrocodeine 5-500, Etizolam 5-500, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-100, Mirtazapine 5-500, Norhydrocodone 5-500, Phentermine 5-500, Zolpidem 5-500*

*Hydromorphone ISTD missing. Morphine-D6 used as the Hydromorphone ISTD and thus reported qualitatively.  
Alprazolam-D5 used as alpha-hydroxyalprazolam ISTD and thus reported qualitatively.  
Pressure maxed out before run started, the clog was remedied and samples were injected 5/26/21.*

8C

	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			p2021-1445-1	m2021-2089-2	m2021-1921-2	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2			IS + Cal. 2	IS + QC_2			p2021-1534-1	p2021-1442-1	p2021-0231-1	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3			IS + Cal. 3	IS + QC_3		p2021-1588-1	p2021-1439-1	m2021-1975-3	negative blood	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4			IS + Cal. 4	IS + QC_4		p2021-1567-1	p2021-1510-1	p2021-1444-1	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2			IS + Cal. 5	IS + QC_2 urine		p2021-1587-1	p2021-1443-1	p2021-1170-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6				IS + Cal. 6			p2021-1581-1	p2021-1508-1	p2021-1411-1	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7				IS + Cal. 7			p2021-1566-1	p2021-1441-1	m2021-1946-2	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8				IS + Cal. 8			p2021-1547-1	p2021-1458-1	m2021-1923-2	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

SC

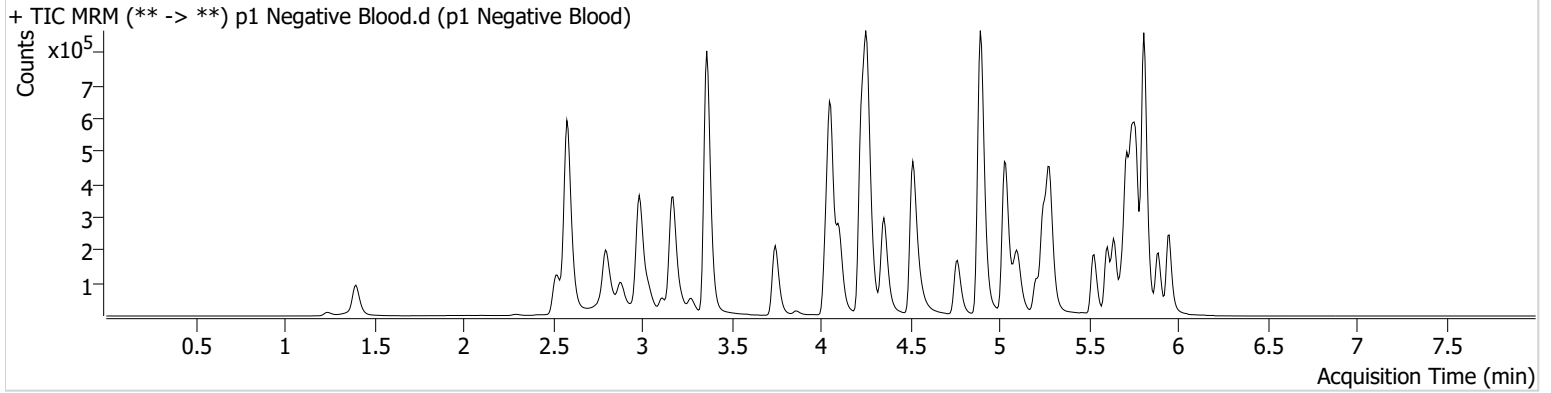


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-C11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/26/2021 11:41:36 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



# AM #28 Multi-Drug Quant. Results

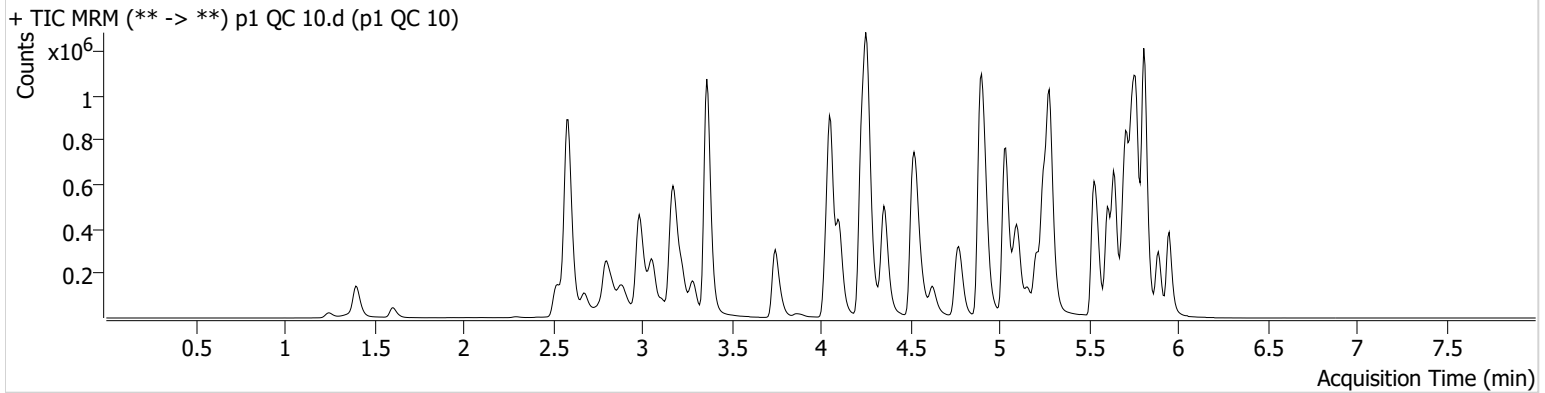
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-H11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/26/2021 10:27:16 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	4794	155.30	68.9	4676.88	124688	0.9752 ng/ml
7-aminoclonazepam	4.271	113623	1638.02	80.7	2464.29	446713	9.5284 ng/ml
a-hydroxyalprazolam	5.692	58461	350.48	58.5	567.84	688083	10.1569 ng/ml
alpha-PHP	4.930	56325	1780.83	267.4	10721.06	1023116	10.1863 ng/ml
alpha-PVP	4.363	225887	995.29	53.3	220.54	1023116	9.6835 ng/ml
Alprazolam	5.768	185980	493.88	113.5	799.27	688083	9.7474 ng/ml
Amphetamine	3.063	369178	562.54	50.2	917.83	397682	10.0401 ng/ml
Benzoylecgonine	3.892	8247	278.04	8.3	33.47	28845	10.3868 ng/ml
Buprenorphine	5.819	3535	496.30	15.8	921.39	135931	0.9836 ng/ml
Bupropion	4.788	198072	388.54	60.2	474.10	707540	9.9021 ng/ml
Carisoprodol	5.724	176750	782.29	60.0	254.84	912190	9.5900 ng/ml
Citalopram	5.212	114316	968.76	42.9	1137.15	549068	9.4930 ng/ml
Clonazepam	5.612	220401	8752.08	31.8	84.48	268885	10.1423 ng/ml
Clonazepam	5.549	146880	12820.15	37.9	126851.11	268885	9.8753 ng/ml
Cocaine	4.257	175629	6805.54	52.5	177.70	1716887	9.6189 ng/ml
Codeine	2.573	24101	1211.97	98.5	127.60	122393	9.9195 ng/ml
Cyclobenzaprine	5.615	97406	4948.18	8.7	906.36	403987	9.8023 ng/ml
Dextromethorphan	5.255	65899	7888.30	78.4	132.94	312002	10.0074 ng/ml
Dextrophan	4.105	61154	696.60	201.0	2876.50	728189	10.1073 ng/ml
Diazepam	5.953	120889	6332.89	89.2	2485.23	591641	9.4604 ng/ml
Dihydrocodeine	2.552	60546	585.93	66.0	802.27	361467	10.0155 ng/ml
Diphenhydramine	5.289	280777	294.72	34.2	1930.23	1779853	9.4282 ng/ml
Doxylamine	4.536	434154	526.99	97.5	1221.13	1937839	9.8428 ng/ml
EDDP	5.248	179528	5181.49	42.4	314.67	950971	9.3838 ng/ml
Etizolam	5.813	116399	144570.60	25.2	30554.01	268885	9.3665 ng/ml
Fentanyl	5.103	9830	189.35	68.8	24.62	498822	0.9429 ng/ml
Flualprazolam	5.698	89835	1319.28	95.1	10523.50	688083	9.7773 ng/ml
Fluoxetine	5.700	124184	526.12	9.5	209.02	512743	9.8543 ng/ml
Hydrocodone	3.018	88249	185.87	38.2	51.02	1088562	9.7273 ng/ml
Hydromorphone	1.608	77180	6810.48	78.0	3019.37	11086	10.0443 ng/ml
Ketamine	4.051	179050	2350.90	36.0	416.58	863196	9.8693 ng/ml
Lamotrigine	4.274	18576	513.56	78.7	2865.55	863196	9.8635 ng/ml
Levetiracetam	2.683	80859	946.12	167.2	517.99	2183005	9.1457 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	198541	1388.90	57.1	213.46	268885	10.1247 ng/ml
MDA	3.196	263536	500.32	25.0	551.56	703890	10.0672 ng/ml
MDMA	3.290	152650	2783.67	78.3	868.29	148049	9.8501 ng/ml
Meprobamate	4.917	104614	2240.82	27.6	2828.62	476764	9.7762 ng/ml
Methadone	5.646	210647	732.97	48.0	324.74	990979	9.6949 ng/ml
Methamphetamine	3.231	258871	521.12	37.3	343.54	952512	10.1586 ng/ml
Metoprolol	4.319	41828	92549.51	91.5	913.73	1936475	10.0707 ng/ml
Mirtazapine	4.624	204935	5073.12	51.2	1895.38	1023116	9.8054 ng/ml
Mitragynine	5.230	42135	621.77	39.9	16511.68	990979	9.8350 ng/ml
Morphine	1.253	10738	372.05	34.2	102.77	11086	9.9196 ng/ml
Norbuprenorphine	4.979	425	252.39	107.9	1501.31	20273	1.0213 ng/ml
Nordiazepam	5.900	123324	788.02	57.1	2649.13	424148	9.8228 ng/ml
Norfentanyl	4.079	38337	3067.94	35.8	244.09	1737321	0.9449 ng/ml
Norhydrocodone	3.060	13898	66.41	43.1	26.69	136592	9.0566 ng/ml
Noroxycodone	2.903	99142	626.21	41.6	764.26	340276	10.1445 ng/ml
O-desmethyl-tramadol	3.369	383839	1132.83	6.7	387.49	2452877	9.5435 ng/ml
Oxazepam	5.749	226609	313.32	73.5	121.11	928309	9.9159 ng/ml
Oxycodone	2.827	186204	1644.20	27.0	656.92	843555	9.7715 ng/ml
Oxymorphone	1.405	96145	552.62	41.3	268.04	352222	9.8640 ng/ml
Phentermine	3.783	74082	133.81	4.6	51.86	847897	9.9796 ng/ml
Promethazine	5.532	211209	692.56	28.0	334.67	893625	9.8243 ng/ml
Pseudoephedrine	2.596	431389	306.69	16.4	327.07	2183005	9.3456 ng/ml
Quetiapine	5.548	149987	2944.41	57.7	216.22	204573	9.8976 ng/ml
Sertraline	5.769	55040	777.98	100.2	276.36	270459	9.6873 ng/ml
Temazepam	5.816	390987	358.06	28.9	109.51	1938759	9.5587 ng/ml
Tramadol	4.239	397391	602.62	3.6	60.15	1936475	10.1006 ng/ml
Trazodone	5.163	156471	3846.71	81.5	2090.18	669308	9.5056 ng/ml
Venlafaxine	5.037	319329	3630.43	38.9	928.30	1667802	9.6759 ng/ml
Zolpidem	4.921	447934	1286.95	31.5	241.20	2284281	9.7435 ng/ml

SC

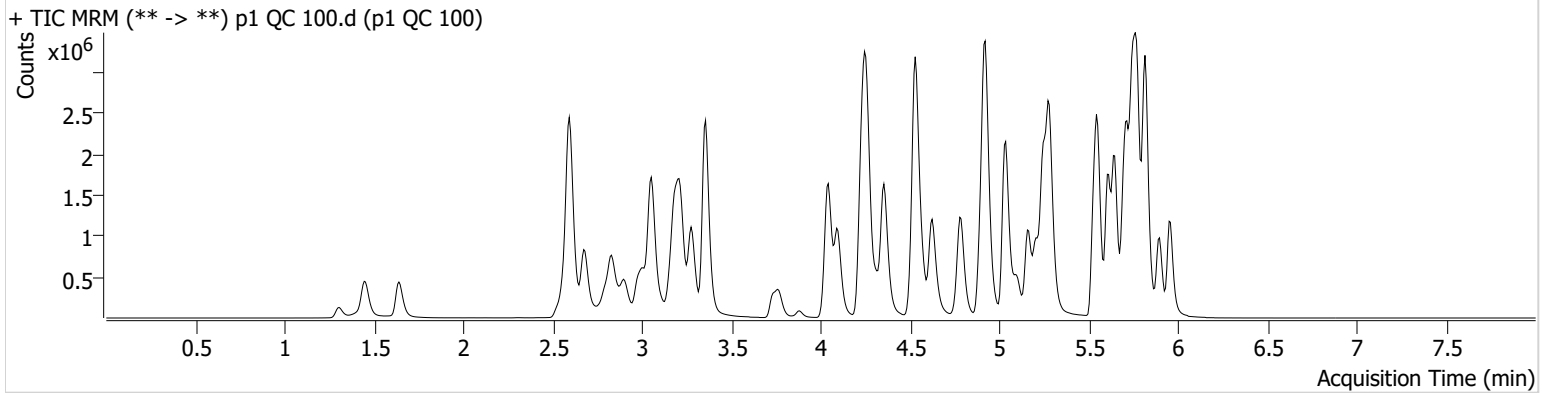


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-G11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/26/2021 4:28:01 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	48878	927.36	67.7	81947.44	116509	10.7270 ng/ml
7-aminoclonazepam	4.265	1040577	20232.66	77.8	40312.87	365945	106.1492 ng/ml
a-hydroxyalprazolam	5.692	448378	953.12	58.0	933.64	552040	104.9454 ng/ml
alpha-PHP	4.930	512571	5195.07	269.0	4437.30	922035	110.4251 ng/ml
alpha-PVP	4.356	2258050	108273.45	52.5	2299.22	922035	104.4403 ng/ml
Alprazolam	5.775	1702833	4801.88	110.5	2677.42	552040	108.6630 ng/ml
Amphetamine	3.056	3225271	53019.75	49.2	21450.12	353410	108.7986 ng/ml
Benzoylcegonine	3.879	90039	1741.41	7.6	853.73	26929	101.7847 ng/ml
Buprenorphine	5.826	30764	568.68	15.3	2978.51	113742	10.3629 ng/ml
Bupropion	4.788	1878108	1331.10	61.3	2086.61	622649	105.7397 ng/ml
Carisoprodol	5.724	1440220	2859529.30	55.7	7413.56	670106	101.5766 ng/ml
Citalopram	5.205	1107899	543.03	41.8	773.86	479434	102.4512 ng/ml
Clonazepam	5.612	1877243	42199.11	32.1	765341.94	216028	114.0730 ng/ml
Clonazepam	5.548	1342346	613703.13	37.2	561235.34	216028	113.6679 ng/ml
Cocaine	4.250	1722938	920.06	51.6	30454.80	1518853	104.5039 ng/ml
Codeine	2.580	215868	3373.58	102.4	938.84	106722	110.1522 ng/ml
Cyclobenzaprine	5.615	873399	36679.55	9.3	146.94	337871	102.9301 ng/ml
Dextromethorphan	5.255	596508	6177.96	79.3	385.70	268611	104.6247 ng/ml
Dextrophan	4.098	582362	892.60	207.4	86842.31	655466	104.5633 ng/ml
Diazepam	5.960	1144149	6628.47	87.8	4487.91	497070	107.2126 ng/ml
Dihydrocodeine	2.559	588445	18577.67	65.9	291.78	340302	111.3350 ng/ml
Diphenhydramine	5.282	2758383	2581.46	33.0	16934.32	1567100	101.6117 ng/ml
Doxylamine	4.529	4475528	89629.67	97.5	85251.85	1824941	108.2515 ng/ml
EDDP	5.248	1914327	26607.26	41.9	14557.28	919540	102.5173 ng/ml
Etizolam	5.813	1077680	13727.29	25.1	28590.29	216028	101.0505 ng/ml
Fentanyl	5.103	95049	2631.61	67.6	4310.65	427788	10.3953 ng/ml
Flualprazolam	5.698	781550	10566.04	99.0	1047.55	552040	109.0771 ng/ml
Fluoxetine	5.700	907732	109998.98	8.7	689.27	357271	104.5366 ng/ml
Hydrocodone	3.005	858258	∞	39.3	∞	983397	111.3628 ng/ml
Hydromorphone	1.641	757493	2752.19	78.1	2730953.93	10555	106.5710 ng/ml
Ketamine	4.037	1769941	18481.92	37.1	4138.21	801704	107.5539 ng/ml
Lamotrigine	4.267	169539	4621.61	80.3	7892.46	801704	105.3534 ng/ml
Levetiracetam	2.676	806266	1928.57	162.7	6148.20	1900411	99.4472 ng/ml



SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1322140	190358.96	56.7	2358.02	216028	93.4302 ng/ml
MDA	3.189	2284383	7727.69	24.4	3339.87	591800	112.6805 ng/ml
MDMA	3.276	1496261	6101.84	78.6	6013.27	132933	107.5688 ng/ml
Meprobamate	4.917	803508	19617.90	27.9	24677.40	397196	94.1362 ng/ml
Methadone	5.646	2010667	2135.86	47.8	647.53	865392	103.1651 ng/ml
Methamphetamine	3.217	2344044	1358.04	38.2	919.55	880674	109.6282 ng/ml
Metoprolol	4.312	405724	917986.81	91.1	11300.67	1821478	107.7073 ng/ml
Mirtazapine	4.624	2060888	1146.93	49.8	2790.06	922035	104.7431 ng/ml
Mitragynine	5.230	385824	1855.01	40.3	22607.71	865392	105.9240 ng/ml
Morphine	1.307	103176	7122.61	33.0	1537.16	10555	101.6031 ng/ml
Norbuprenorphine	4.986	4160	12290.92	98.1	5424.90	18312	11.0675 ng/ml
Nordiazepam	5.900	1118961	1410615.36	57.3	3560.92	369532	103.9241 ng/ml
Norfentanyl	4.066	375117	523521.64	34.5	1913.17	1514414	9.6916 ng/ml
Norhydrocodone	3.053	111683	269.25	41.3	145.50	98203	97.0490 ng/ml
Noroxycodone	2.903	881768	4042.37	42.5	1390.56	287071	106.9844 ng/ml
O-desmethyl-tramadol	3.356	3909115	100102.31	6.7	1247.51	2218851	104.9774 ng/ml
Oxazepam	5.749	1722495	17110.63	70.9	430.43	665220	109.5159 ng/ml
Oxycodone	2.827	1870122	5892.98	27.3	1938.79	781498	107.6130 ng/ml
Oxymorphone	1.452	873133	∞	42.8	7117.50	293798	109.8433 ng/ml
Phentermine	3.770	699908	1679.20	4.3	276.65	769106	109.3074 ng/ml
Promethazine	5.532	1892722	27734.61	27.9	5007.58	746895	104.6459 ng/ml
Pseudoephedrine	2.596	4257278	65120.04	16.2	90974.10	1900411	100.8015 ng/ml
Quetiapine	5.548	1486858	196550.67	58.3	499671.15	191514	106.3308 ng/ml
Sertraline	5.769	428190	991.65	99.2	14708.38	195943	103.0631 ng/ml
Temazepam	5.816	3320461	1043.46	27.9	8383.28	1450015	104.7984 ng/ml
Tramadol	4.232	3898060	82366.62	3.6	1740.24	1821478	107.0484 ng/ml
Trazodone	5.156	1597479	87401.00	81.2	734.98	625030	106.9004 ng/ml
Venlafaxine	5.037	3182842	301090.17	38.0	16887.64	1482537	104.8090 ng/ml
Zolpidem	4.921	4424526	11985.33	30.5	5299.64	2082573	107.7822 ng/ml

# AM #28 Multi-Drug Quant. Results

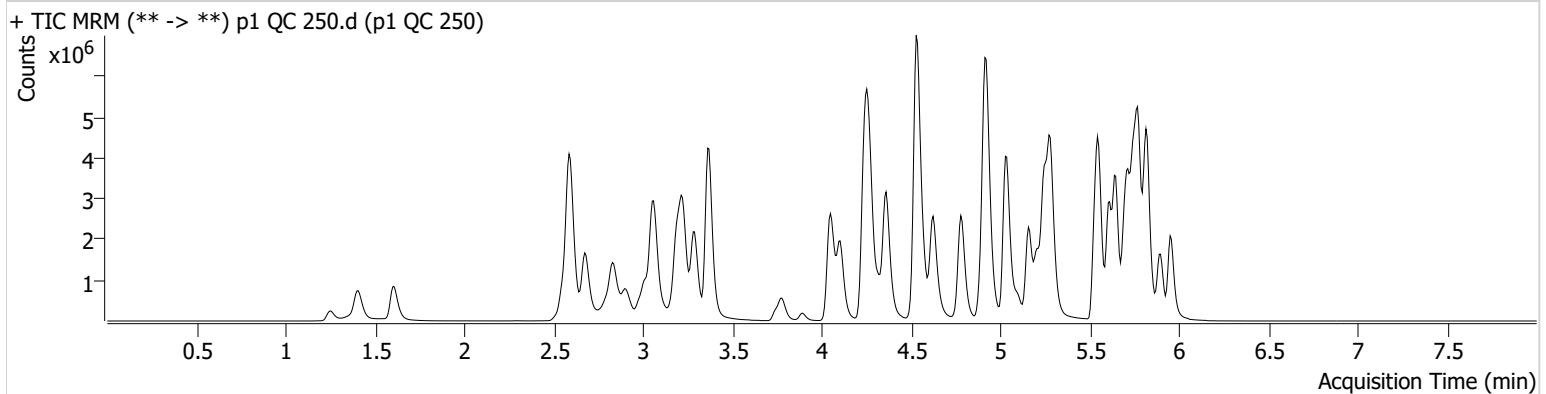
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-F11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/26/2021 10:48:31 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	111630	1311.07	69.3	73871.65	116692	24.4717 ng/ml
7-aminoclonazepam	4.271	1833972	16418.02	78.5	42093.80	284824	240.3197 ng/ml
* <del>alpha-hydroxyalprazolam</del>	<del>5.692</del>	<del>712643</del>	<del>1799.03</del>	<del>56.1</del>	<del>2808.48</del>	<del>470871</del>	<del>196.3425 ng/ml</del>
alpha-PHP	4.930	1045883	25852.75	270.6	201906.32	861629	242.0988 ng/ml
alpha-PVP	4.363	4987712	100506.44	52.0	1309.18	861629	246.4653 ng/ml
Alprazolam	5.775	3408810	4373.21	111.5	∞	470871	254.6909 ng/ml
Amphetamine	3.063	6002362	48941.55	48.5	5476.16	310706	231.5852 ng/ml
Benzoylcegonine	3.892	209879	3459.06	7.9	830.50	28931	218.6815 ng/ml
Buprenorphine	5.819	56624	3669.22	14.3	10863.11	90820	23.9066 ng/ml
Bupropion	4.781	4213251	5955.18	60.4	2622.49	598956	246.4647 ng/ml
Carisoprodol	5.724	2473163	78223.47	56.7	9222.71	472684	246.5991 ng/ml
Citalopram	5.205	2262185	17818.48	41.5	155780.11	421664	237.4712 ng/ml
Clonazepam	5.612	3429692	42482.48	31.5	166223.58	178744	252.7064 ng/ml
Clonazepam	5.549	2460005	279151.00	38.8	1334888.52	178744	251.9176 ng/ml
Cocaine	4.257	3640809	1144.64	51.2	150221.99	1382014	242.4134 ng/ml
Codeine	2.573	416821	833.95	99.0	761.52	98534	231.3399 ng/ml
Cyclobenzaprine	5.615	1736560	57480.34	8.6	1059.47	282003	244.8898 ng/ml
Dextromethorphan	5.255	1139733	1098.74	80.5	330.60	221496	242.3434 ng/ml
Dextrophan	4.105	1264215	1424.21	206.0	1290.35	602639	246.5514 ng/ml
Diazepam	5.953	2333644	22700.76	87.7	5613.73	450181	241.5284 ng/ml
Dihydrocodeine	2.552	1266599	21834.24	65.2	2541.09	334216	245.0220 ng/ml
Diphenhydramine	5.282	5711395	999.39	33.0	19736.85	1363985	241.2363 ng/ml
Doxylamine	4.529	10612267	174851.34	95.5	319629.58	1786137	262.3328 ng/ml
EDDP	5.248	4119719	1859.62	42.0	576.31	849410	238.7096 ng/ml
Etizolam	5.813	2202586	8137.42	24.5	1037257.16	178744	248.6474 ng/ml
Fentanyl	5.103	195520	7610.16	68.5	127608.62	379752	24.0583 ng/ml
Flualprazolam	5.698	1518248	31643.23	103.0	3298.65	470871	248.8174 ng/ml
Fluoxetine	5.700	1481243	20676.62	8.6	9251.71	249385	244.5426 ng/ml
Hydrocodone	3.012	1815690	278.89	39.3	1344.60	966885	240.4008 ng/ml
Hydromorphone	1.608	1596913	3523.81	77.2	3114733.77	9650	246.1678 ng/ml
Ketamine	4.051	3924595	103612.38	36.8	556.62	790477	242.1980 ng/ml
Lamotrigine	4.273	319796	16320.87	80.6	49370.18	790477	202.4192 ng/ml
Levetiracetam	2.676	1696917	6117.20	164.2	40942.24	1674902	236.7784 ng/ml

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>1635244</del>	<del>65591.52</del>	<del>57.3</del>	<del>5542.35</del>	<del>178744</del>	<del>140.3056 ng/ml</del>
MDA	3.196	4203628	33767.63	24.2	1913.53	509581	241.8905 ng/ml
MDMA	3.290	3200388	20082.16	78.9	16402.41	122502	249.6784 ng/ml
* <del>Meprobamate</del>	<del>4.917</del>	<del>1325180</del>	<del>21383.06</del>	<del>28.0</del>	<del>16968.25</del>	<del>350775</del>	<del>176.2229 ng/ml</del>
Methadone	5.646	4200243	48981.34	46.3	82023.07	745035	249.9218 ng/ml
Methamphetamine	3.224	4639311	1621.17	36.7	1745.45	771814	249.0295 ng/ml
Metoprolol	4.319	849003	13807.70	93.4	59024.47	1667286	246.7604 ng/ml
Mirtazapine	4.624	4381994	3443.96	50.1	30786.86	861629	237.7386 ng/ml
Mitragynine	5.230	770942	5741.72	39.4	220906.37	745035	246.2360 ng/ml
Morphine	1.253	225957	747.65	34.1	8784.13	9650	243.6147 ng/ml
Norbuprenorphine	4.979	8262	31764.16	101.9	88.35	16993	23.6858 ng/ml
Nordiazepam	5.900	2185459	896.87	56.4	1104.49	309977	242.2027 ng/ml
Norfentanyl	4.079	822417	2402.85	33.6	1817.29	1352449	23.6625 ng/ml
Norhydrocodone	3.059	221030	∞	42.6	∞	80013	235.1468 ng/ml
Noroxycodone	2.903	1654242	6668.48	42.8	467.96	230576	249.8894 ng/ml
O-desmethyl-tramadol	3.369	8964132	2669.00	6.4	556.28	2119515	251.6728 ng/ml
Oxazepam	5.749	2462409	4060.96	71.8	4415.77	417186	250.2180 ng/ml
Oxycodone	2.827	4080175	3817.04	27.1	929.91	751600	244.3431 ng/ml
Oxymorphone	1.405	1796518	∞	42.9	∞	265241	250.6579 ng/ml
Phentermine	3.783	1369365	464.28	4.4	595.86	696390	236.8511 ng/ml
Promethazine	5.532	3767099	7194.25	28.1	24028.93	641369	242.4525 ng/ml
Pseudoephedrine	2.596	9008107	136017.13	15.9	1169.45	1674902	241.3091 ng/ml
Quetiapine	5.548	3081204	460102.09	57.9	662.07	173370	243.6136 ng/ml
Sertraline	5.769	724302	879.83	96.7	63435.15	138308	246.8467 ng/ml
Temazepam	5.823	5708223	36160.04	27.7	7991.18	1035811	251.6944 ng/ml
Tramadol	4.239	8593393	∞	3.5	1057.88	1667286	258.0724 ng/ml
Trazodone	5.156	3510938	2020.79	79.4	166994.13	599352	245.3987 ng/ml
Venlafaxine	5.037	7193123	701.35	36.7	1232.01	1401930	249.9826 ng/ml
Zolpidem	4.914	10040050	16253.12	29.3	11785.84	2079042	245.2798 ng/ml

\*OCR

# AM #28 Multi-Drug Quant. Results

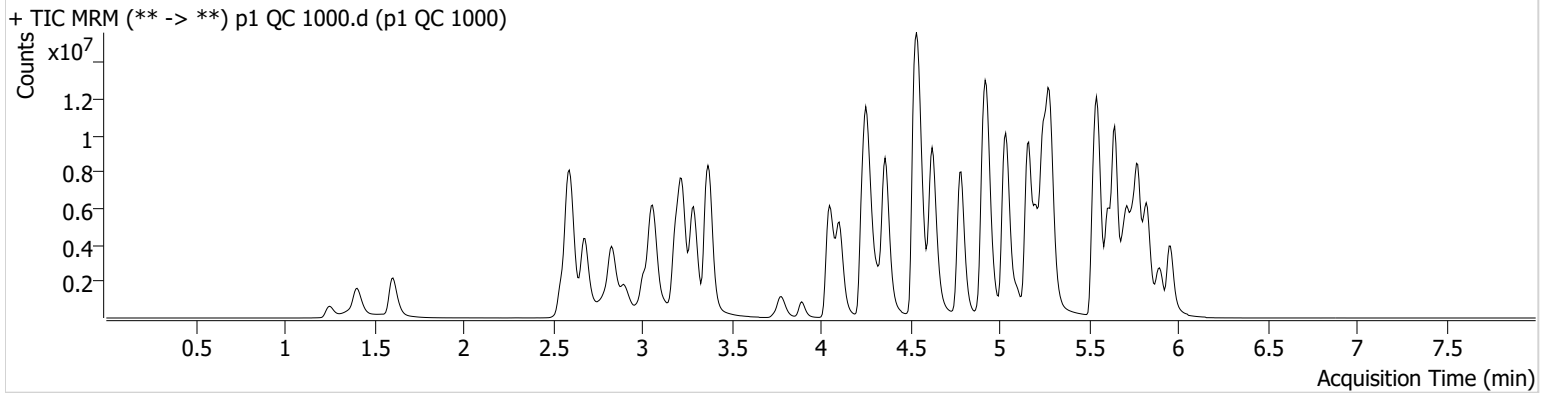
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 1000.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 1000
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-E11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/26/2021 11:09:44 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	398039	14962.74	69.8	1545.81	99736	102.1203 ng/ml
7-aminoclonazepam	4.278	2837442	64700.84	78.0	23928.99	106385	995.3332 ng/ml
* <del>a-hydroxyalprazolam</del>	<del>5.685</del>	<del>970039</del>	<del>133.79</del>	<del>59.3</del>	<del>143.56</del>	<del>254098</del>	<del>496.6536 ng/ml</del>
alpha-PHP	4.937	2722803	1536.57	271.2	24424.71	647364	840.9238 ng/ml
alpha-PVP	4.363	15610891	468254.97	53.8	8198.16	647364	1025.7911 ng/ml
Alprazolam	5.775	7143803	1246.11	111.7	745.69	254098	988.3849 ng/ml
* <del>Amphetamine</del>	<del>3.063</del>	<del>13838713</del>	<del>266858.73</del>	<del>48.1</del>	<del>50919.51</del>	<del>226074</del>	<del>736.2873 ng/ml</del>
Benzoylcegonine	3.892	1020346	41193.59	8.0	10941.06	27155	1125.0053 ng/ml
Buprenorphine	5.819	162817	214673.05	14.3	80306.56	62414	100.0722 ng/ml
Bupropion	4.788	14349849	1233.88	60.8	3352.55	509681	986.1731 ng/ml
Carisoprodol	5.724	4047793	4891464.39	56.5	4308.04	179300	1062.4370 ng/ml
Citalopram	5.205	7822357	143023.08	39.9	61237.20	342699	1009.4139 ng/ml
Clonazepam	5.612	5267398	312957.11	30.8	17522.60	81481	853.0100 ng/ml
Clonazepam	5.562	3759319	47165.14	38.3	2591856.82	81481	844.8127 ng/ml
Cocaine	4.257	10432974	2109.92	50.4	1009.30	915845	1047.5194 ng/ml
* <del>Codeine</del>	<del>2.573</del>	<del>888078</del>	<del>434.67</del>	<del>100.6</del>	<del>190.74</del>	<del>67959</del>	<del>716.5008 ng/ml</del>
Cyclobenzaprine	5.615	6445735	228673.01	8.4	619.28	236892	1081.3144 ng/ml
Dextromethorphan	5.255	3216666	854.50	80.2	710.93	148696	1018.6286 ng/ml
Dextrophan	4.105	3942951	4175.72	212.6	182460.43	448413	1032.6568 ng/ml
Diazepam	5.960	5527864	671.93	87.0	36505.59	265177	971.4655 ng/ml
* <del>Dihydrocodeine</del>	<del>2.545</del>	<del>3343441</del>	<del>2841.76</del>	<del>66.9</del>	<del>11436.23</del>	<del>299461</del>	<del>723.5057 ng/ml</del>
Diphenhydramine	5.289	18500314	2293.79	34.2	47406.33	1080779	985.0802 ng/ml
Doxylamine	4.536	30146769	399325.99	97.5	206465.72	1558325	854.2805 ng/ml
EDDP	5.248	14706270	170451.28	41.3	1259.04	708639	1021.0872 ng/ml
* <del>Etizolam</del>	<del>5.813</del>	<del>5281519</del>	<del>8043.46</del>	<del>24.8</del>	<del>63725.83</del>	<del>81481</del>	<del>1305.1379 ng/ml</del>
Fentanyl	5.103	867376	16592.89	66.8	384364.01	393247	102.9907 ng/ml
Flualprazolam	5.705	2853225	16220.93	106.3	60366.01	254098	867.2805 ng/ml
Fluoxetine	5.700	3357132	95138.99	8.7	271.43	146633	942.9647 ng/ml
Hydrocodone	3.012	5472511	451.56	40.0	453.76	803515	873.6764 ng/ml
Hydromorphone	1.608	4650766	78334703.47	77.6	10397520.1	7366	940.1770 ng/ml
Ketamine	4.051	12382379	157833.03	35.6	1099.39	647008	934.3401 ng/ml
* <del>Lamotrigine</del>	<del>4.280</del>	<del>594639</del>	<del>15050.23</del>	<del>81.2</del>	<del>21272.78</del>	<del>647008</del>	<del>461.0602 ng/ml</del>

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.683	4611523	23746.19	167.4	52800.35	982800	1094.7609 ng/ml
* <del>Lorazepam</del>	<del>5.740</del>	<del>1783912</del>	<del>30513.33</del>	<del>56.4</del>	<del>22087.00</del>	<del>81481</del>	<del>337.5855 ng/ml</del>
MDA	3.189	9301530	2895.45	23.2	5756.69	339731	805.0505 ng/ml
MDMA	3.290	9826706	442674.43	79.7	86484.61	90393	1038.9641 ng/ml
* <del>Meprobamate</del>	<del>4.911</del>	<del>1820713</del>	<del>47388.05</del>	<del>27.9</del>	<del>7661.73</del>	<del>223634</del>	<del>380.3317 ng/ml</del>
Methadone	5.646	14795191	437756.53	50.3	236379.61	645556	1015.1323 ng/ml
Methamphetamine	3.224	14010068	25845.52	36.6	9839.28	686571	848.1660 ng/ml
Metoprolol	4.326	2213468	7178171.05	92.4	132451.97	1266730	847.7767 ng/ml
* <del>Mirtazapine</del>	<del>4.624</del>	<del>17372935</del>	<del>283431.02</del>	<del>50.5</del>	<del>111362.36</del>	<del>647364</del>	<del>1252.5384 ng/ml</del>
Mitragynine	5.230	2328959	91791.21	39.7	267212.30	645556	859.2209 ng/ml
Morphine	1.253	684110	7523.45	32.5	515.65	7366	966.7931 ng/ml
Norbuprenorphine	4.986	31576	210.80	100.5	9591.07	14976	102.7212 ng/ml
Nordiazepam	5.900	4256413	436.00	56.4	593.73	150476	972.2391 ng/ml
Norfentanyl	4.079	2348503	1158.55	33.8	7859.96	792931	114.9045 ng/ml
* <del>Norhydrocodone</del>	<del>3.059</del>	<del>696563</del>	<del>∞</del>	<del>39.0</del>	<del>143.66</del>	<del>53722</del>	<del>1102.2059 ng/ml</del>
Noroxycodone	2.903	3751014	1113.94	42.6	1818.27	128528	1016.5319 ng/ml
O-desmethyl-tramadol	3.369	23846079	1076759.35	7.3	32978.03	1506874	941.0231 ng/ml
Oxazepam	5.749	2378313	2259.17	71.5	4573.48	108764	928.2072 ng/ml
Oxycodone	2.827	13067352	1921.58	26.6	4448.07	616869	953.9561 ng/ml
Oxymorphone	1.405	5036172	662.79	42.7	830.66	191649	973.2063 ng/ml
* <del>Phentermine</del>	<del>3.783</del>	<del>3596130</del>	<del>∞</del>	<del>4.3</del>	<del>912.77</del>	<del>595323</del>	<del>728.7775 ng/ml</del>
Promethazine	5.532	13746919	4476.75	27.8	96131.85	559174	1014.5865 ng/ml
Pseudoephedrine	2.596	23085107	265549.83	16.0	132993.82	982800	1052.2166 ng/ml
Quetiapine	5.548	11132216	264500.90	58.8	186320.64	156956	972.6827 ng/ml
Sertraline	5.769	1741240	2561.12	97.1	60663.26	85172	963.3634 ng/ml
Temazepam	5.830	8266682	53917.75	28.0	5200.96	348245	1082.9785 ng/ml
Tramadol	4.239	21196886	1397.24	3.8	620.38	1266730	838.2753 ng/ml
Trazodone	5.163	15266857	618335.02	82.6	554235.18	711754	899.3660 ng/ml
Venlafaxine	5.037	21603408	256098.90	39.9	1545.78	1060070	991.8300 ng/ml
* <del>Zolpidem</del>	<del>4.921</del>	<del>25161554</del>	<del>568633.34</del>	<del>33.1</del>	<del>1222391.44</del>	<del>1724617</del>	<del>741.4828 ng/ml</del>

\*OCR

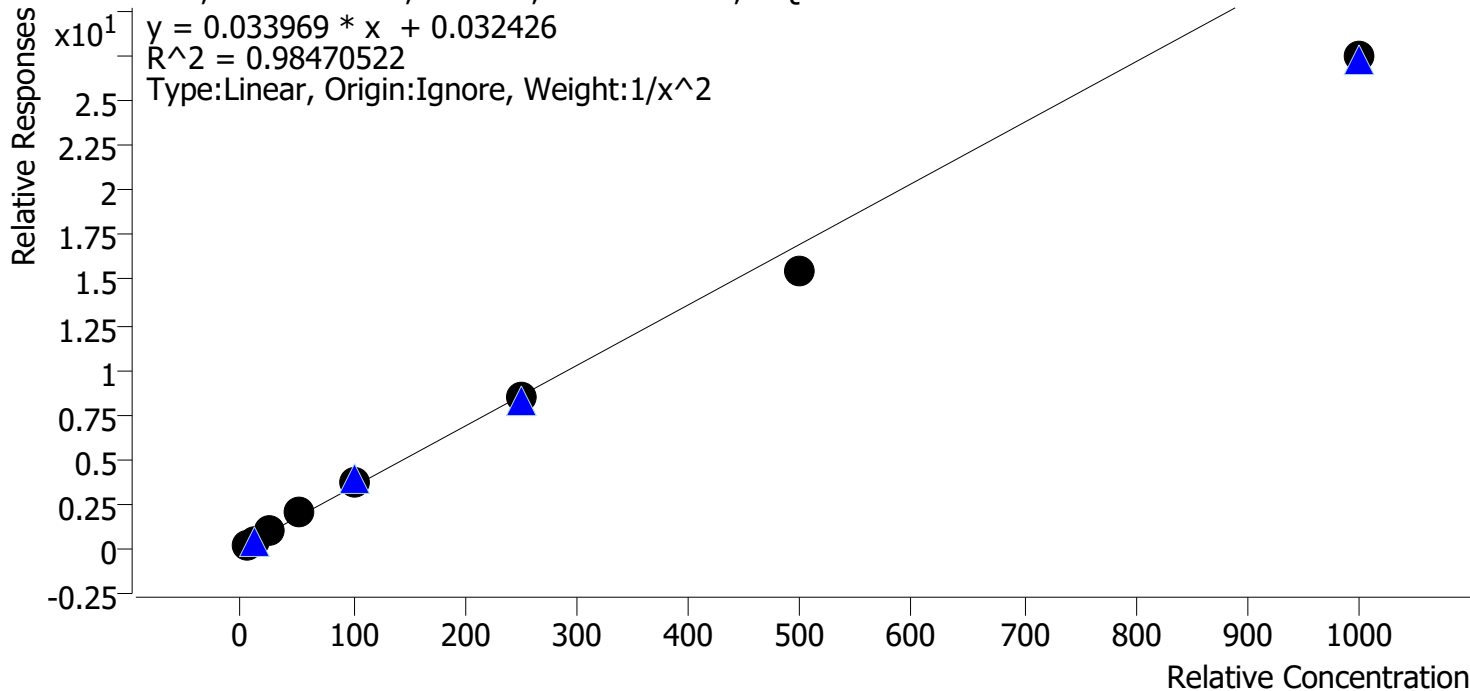
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.9
p1 Cal 4-50ng	4	✓	50.0	57.1	114.3
p1 Cal 5-100ng	5	✓	100.0	109.2	109.2
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	454.6	90.9
p1 Cal 8-1000ng	8	✓	1000.0	808.8	80.9

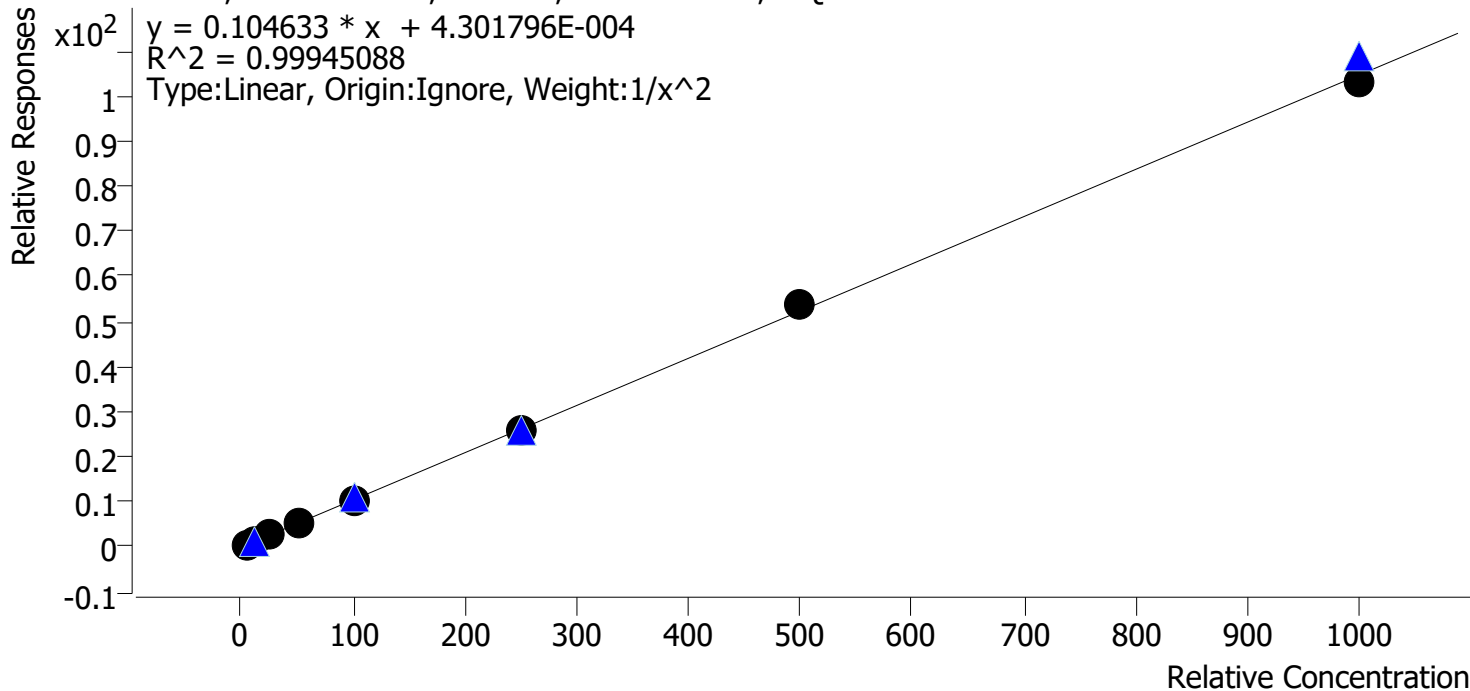
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	514.8	103.0
p1 Cal 8-1000ng	8	✓	1000.0	983.5	98.3

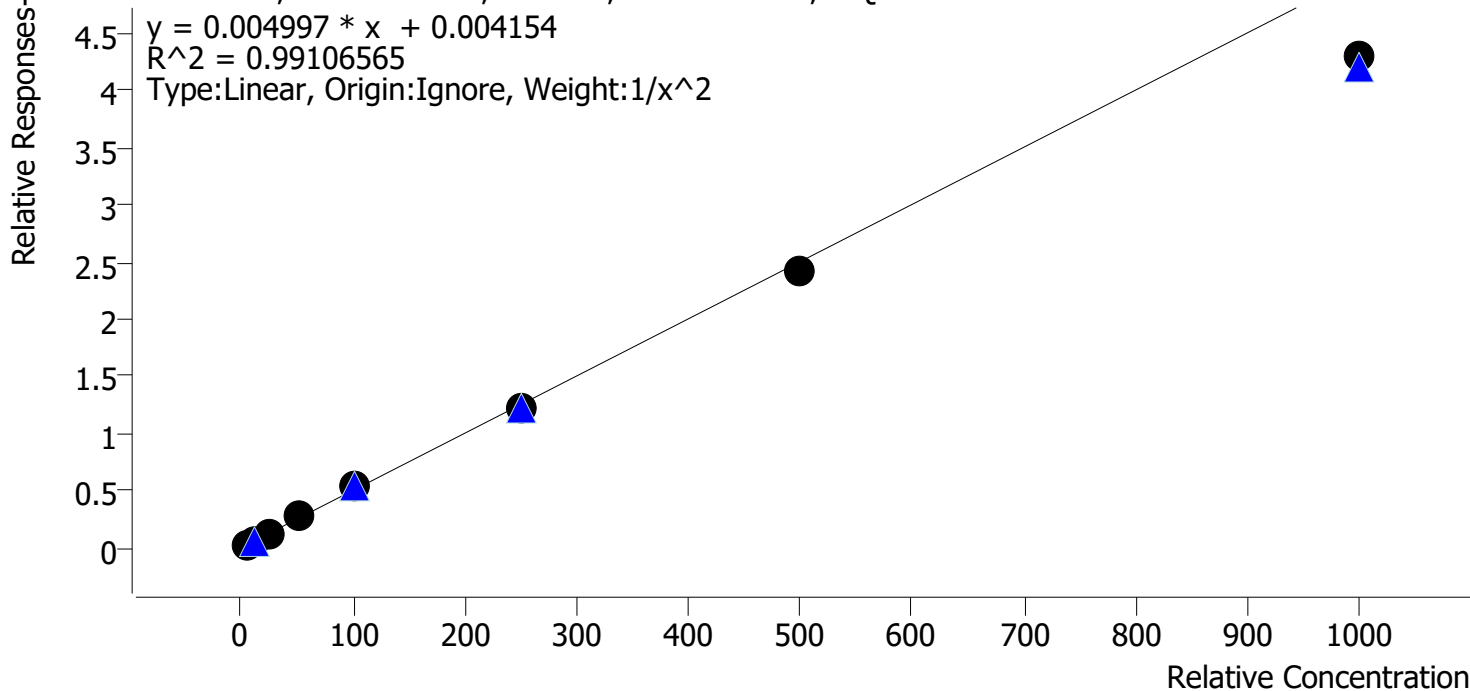
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	57.3	114.5
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	245.0	98.0
p1 Cal 7-500ng	7	✓	500.0	480.9	96.2
p1 Cal 8-1000ng	8	✓	1000.0	858.5	85.8

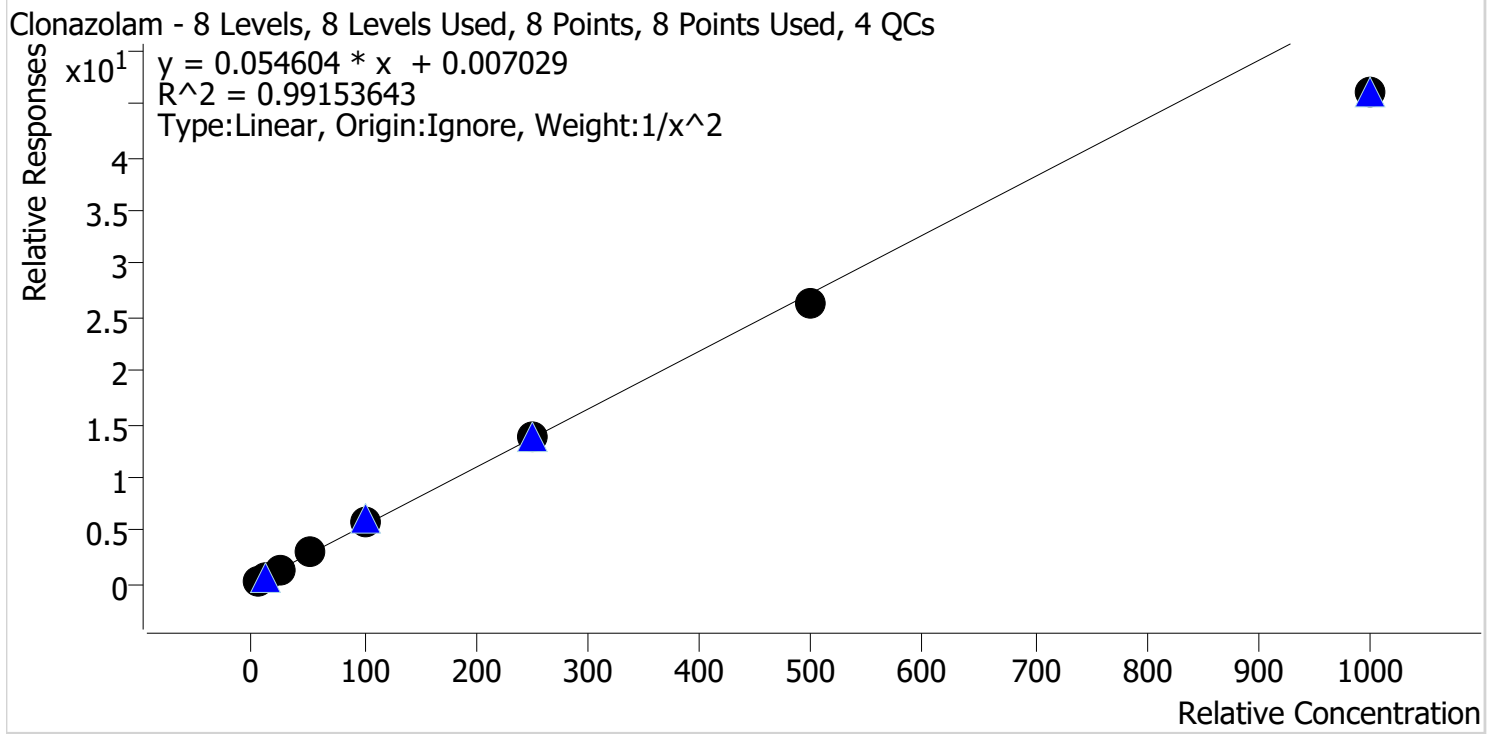


SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	55.3	110.7
p1 Cal 5-100ng	5	✓	100.0	108.5	108.5
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	479.3	95.9
p1 Cal 8-1000ng	8	✓	1000.0	844.8	84.5

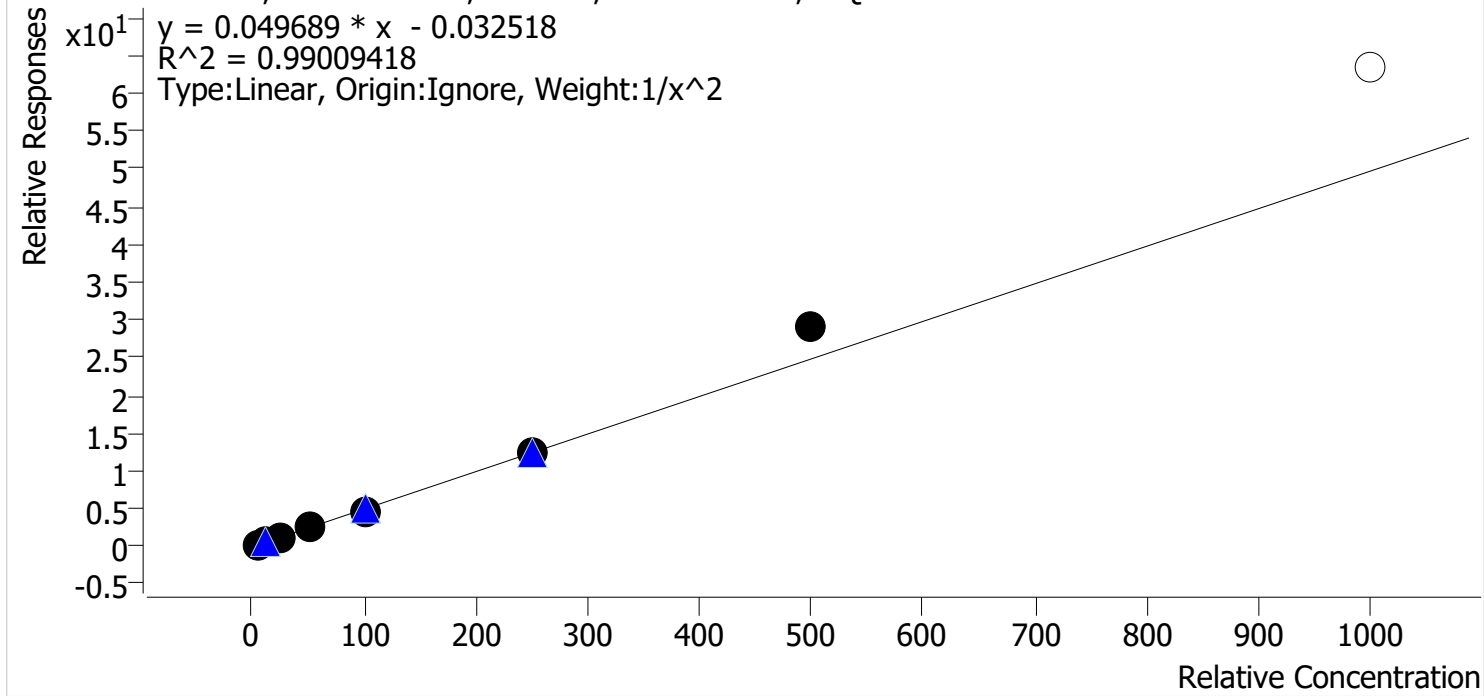
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2-10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.2
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	245.6	98.3
p1 Cal 7-500ng	7	✓	500.0	584.6	116.9
p1 Cal 8-1000ng	8	✗	1000.0	1281.6	128.2

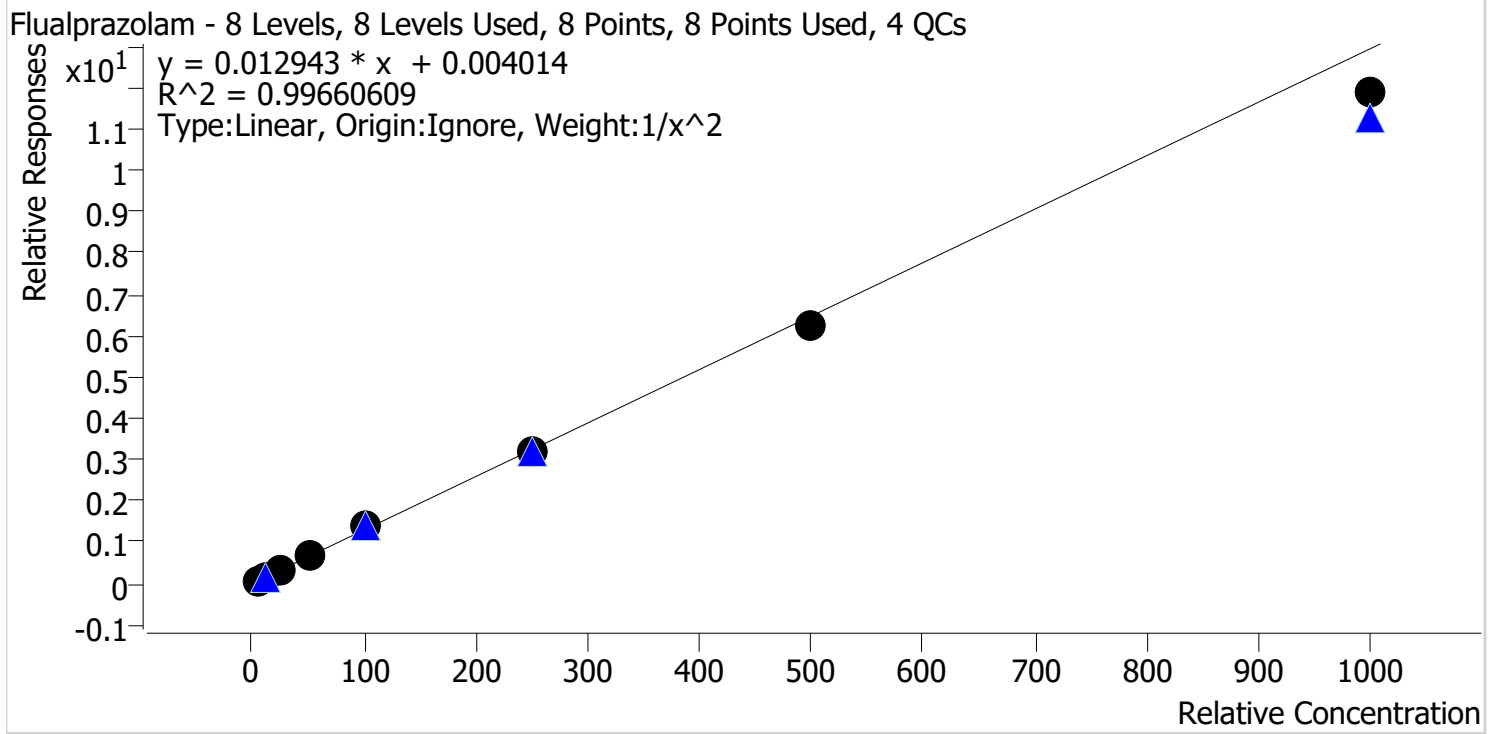
Calibrator 8 dropped due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	54.1	108.1
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	485.2	97.0
p1 Cal 8-1000ng	8	✓	1000.0	918.0	91.8

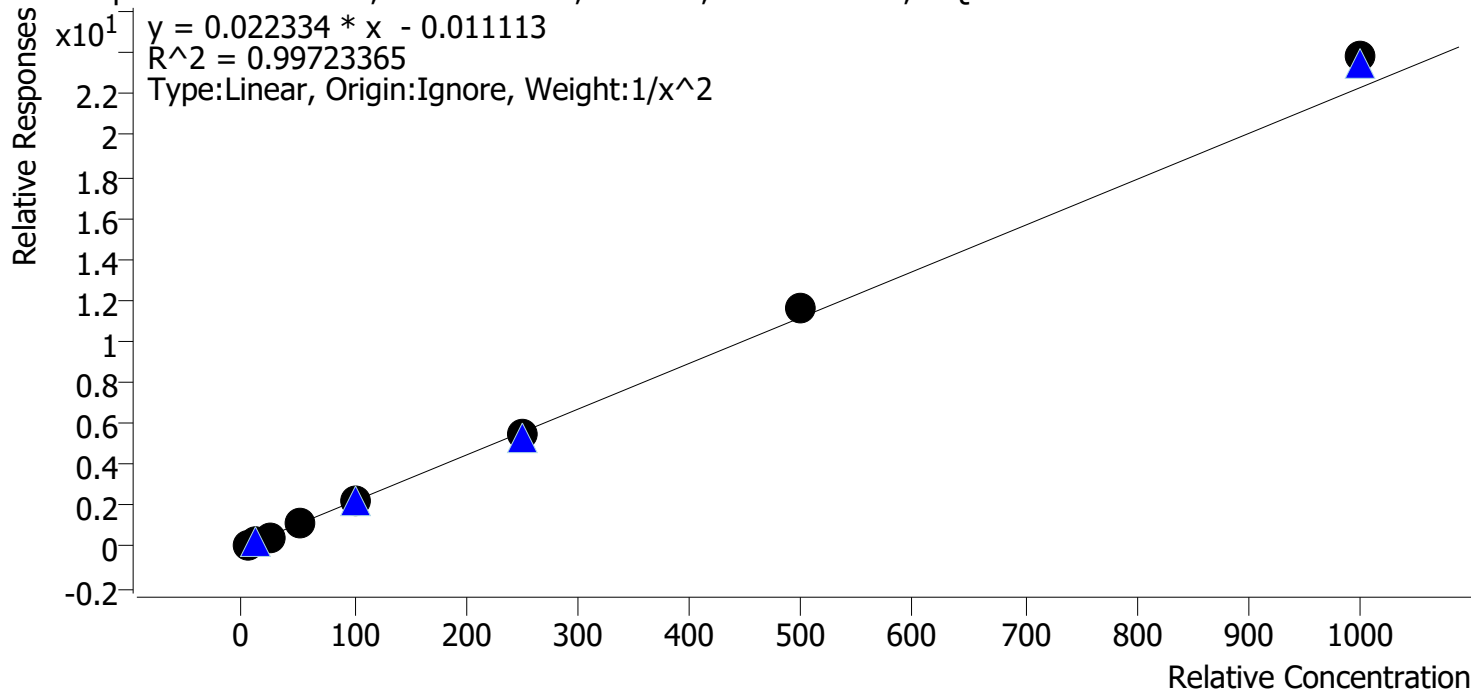
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.5
p1 Cal 4-50ng	4	✓	50.0	49.9	99.7
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	521.4	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1067.5	106.7

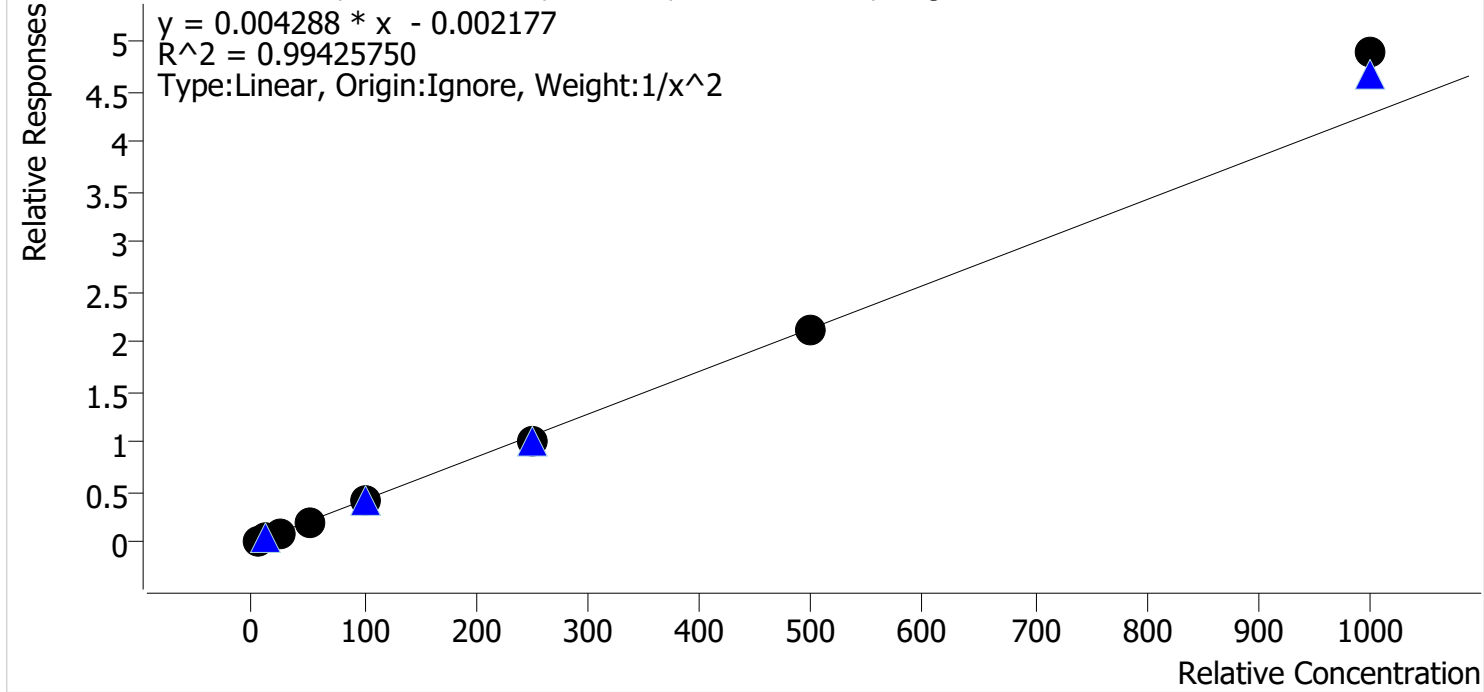
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.0
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	237.3	94.9
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1142.9	114.3

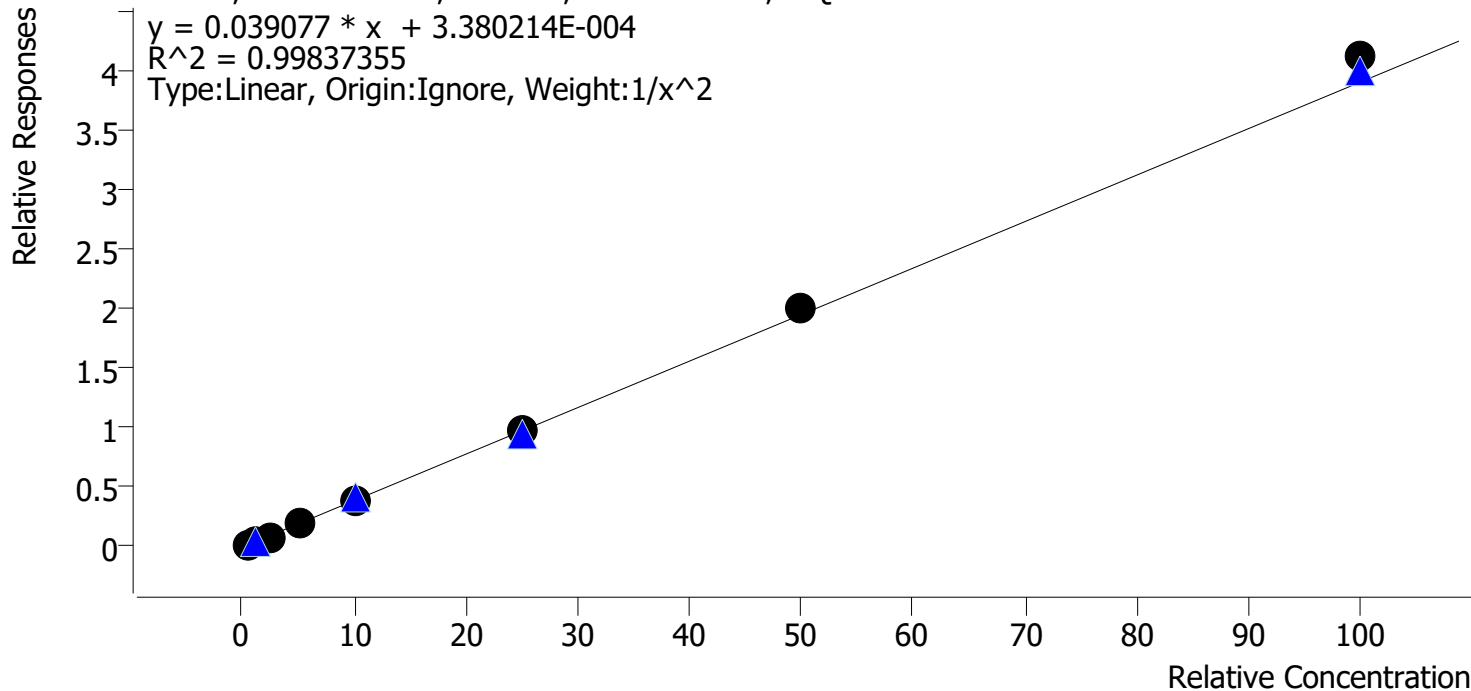
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.2
p1 Cal 2-10ng	2	✓	1.0	1.0	97.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.6
p1 Cal 4-50ng	4	✓	5.0	5.0	100.4
p1 Cal 5-100ng	5	✓	10.0	9.7	97.2
p1 Cal 6-250ng	6	✓	25.0	24.9	99.4
p1 Cal 7-500ng	7	✓	50.0	51.4	102.9
p1 Cal 8-1000ng	8	✓	100.0	105.5	105.5

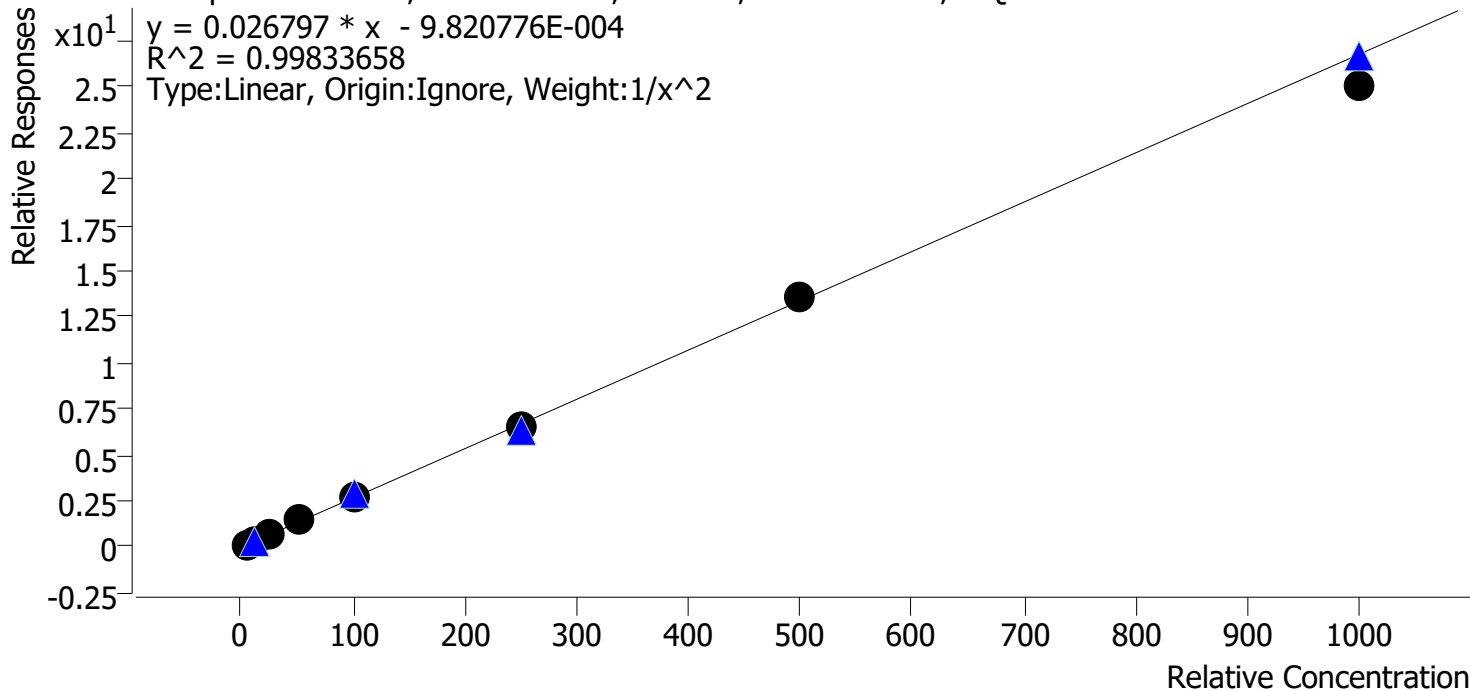
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



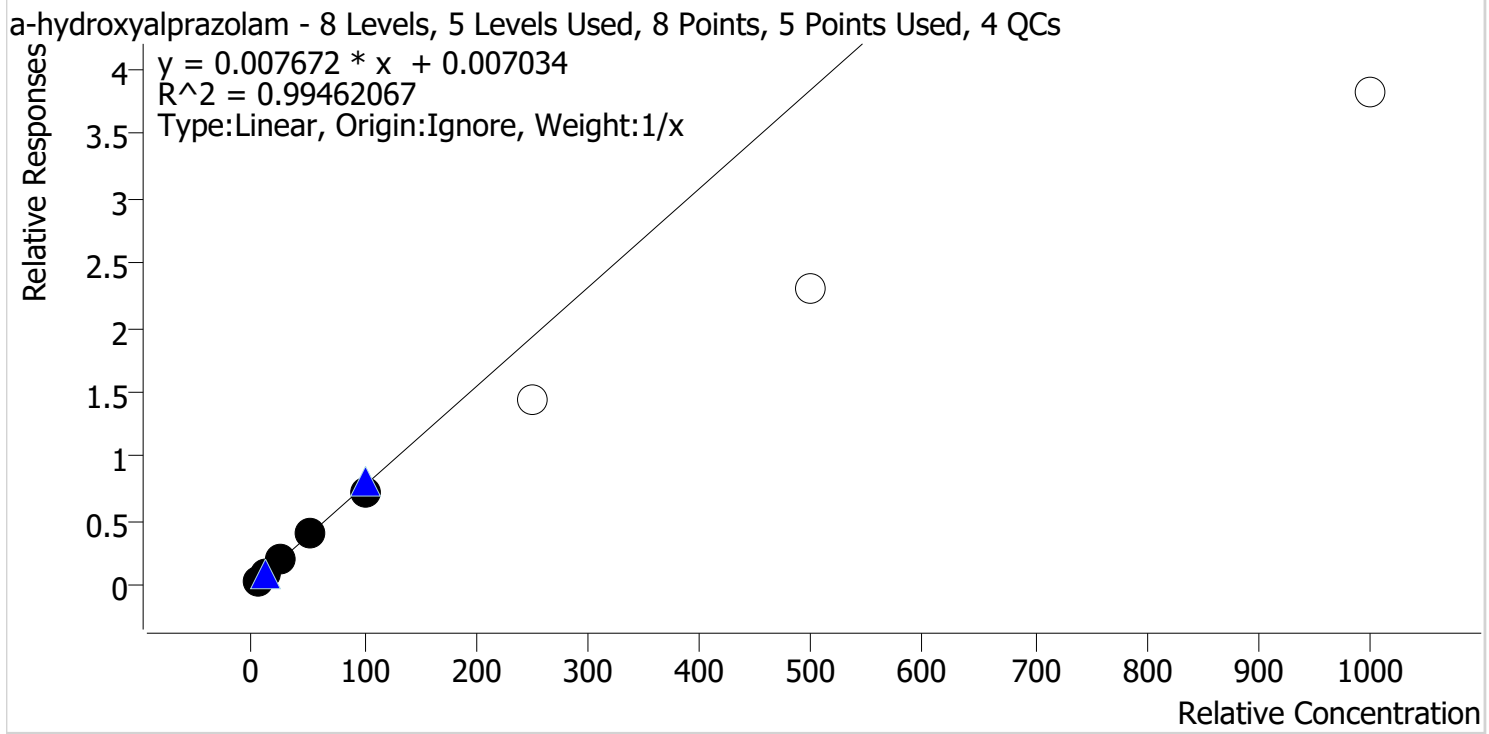
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	509.1	101.8
p1 Cal 8-1000ng	8	✓	1000.0	934.7	93.5

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	90.8
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	95.2	95.2
p1 Cal 6-250ng	6	✗	250.0	188.7	75.5
p1 Cal 7-500ng	7	✗	500.0	298.9	59.8
p1 Cal 8-1000ng	8	✗	1000.0	495.7	49.6

Calibrators 6-8 dropped due to not meeting accuracy requirement



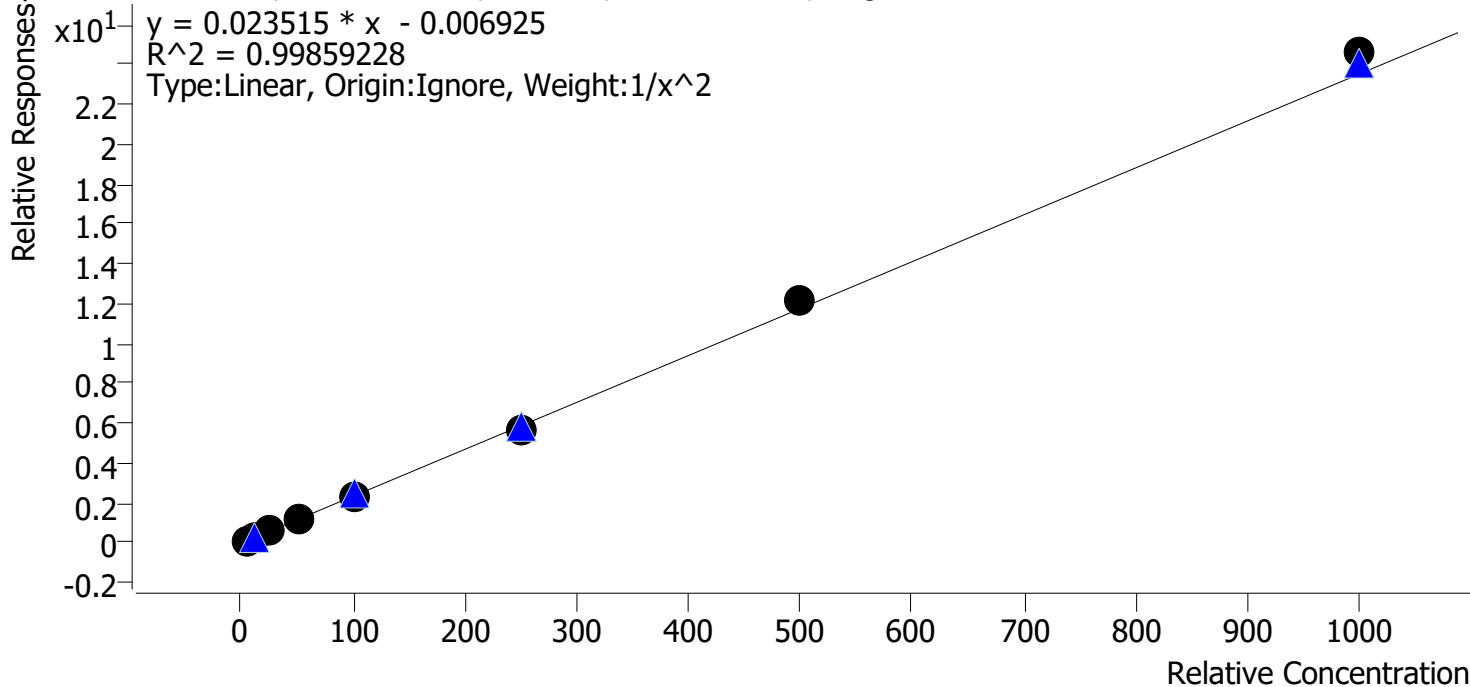
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	50.7	101.3
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	243.9	97.5
p1 Cal 7-500ng	7	✓	500.0	516.1	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1045.9	104.6

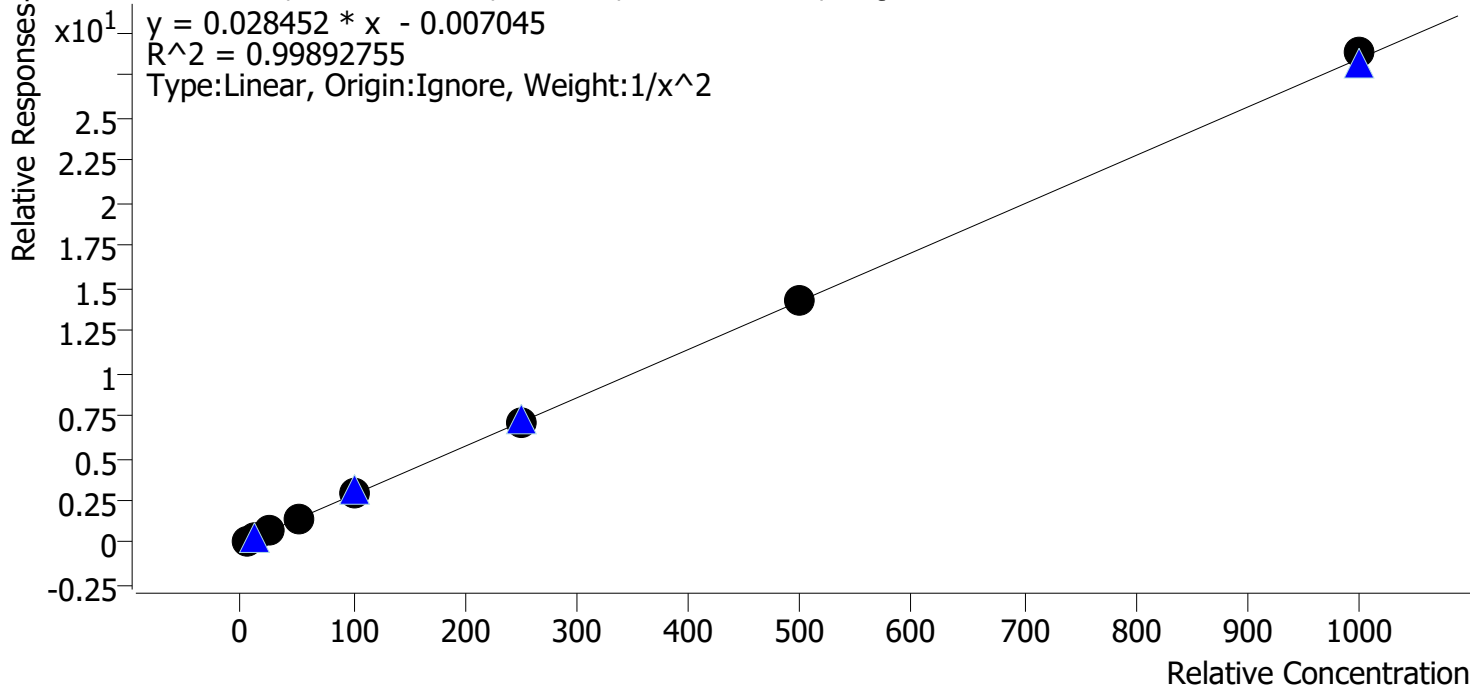
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.6
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	500.5	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1012.7	101.3

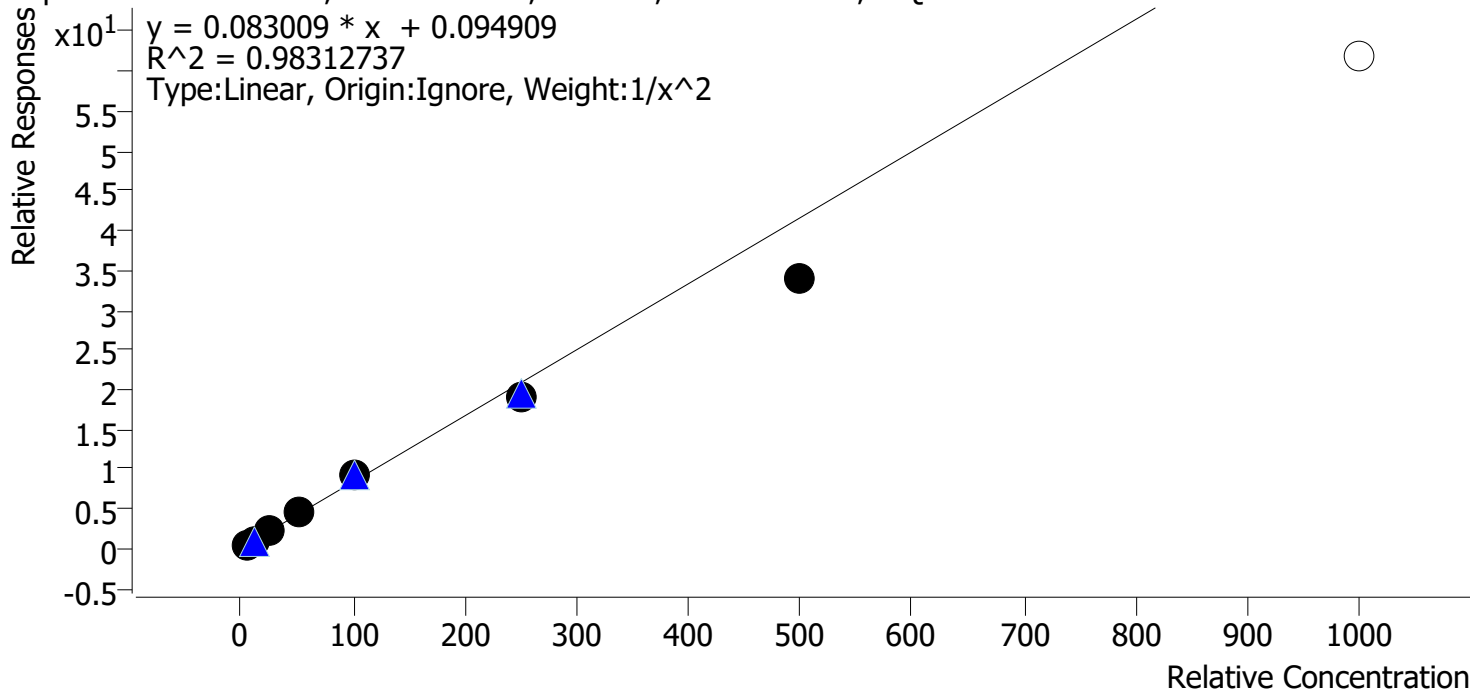
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2-10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	56.8	113.7
p1 Cal 5-100ng	5	✓	100.0	108.0	108.0
p1 Cal 6-250ng	6	✓	250.0	229.9	92.0
p1 Cal 7-500ng	7	✓	500.0	406.6	81.3
p1 Cal 8-1000ng	8	✗	1000.0	743.8	74.4

Calibrator 8 dropped due to not meeting accuracy requirement

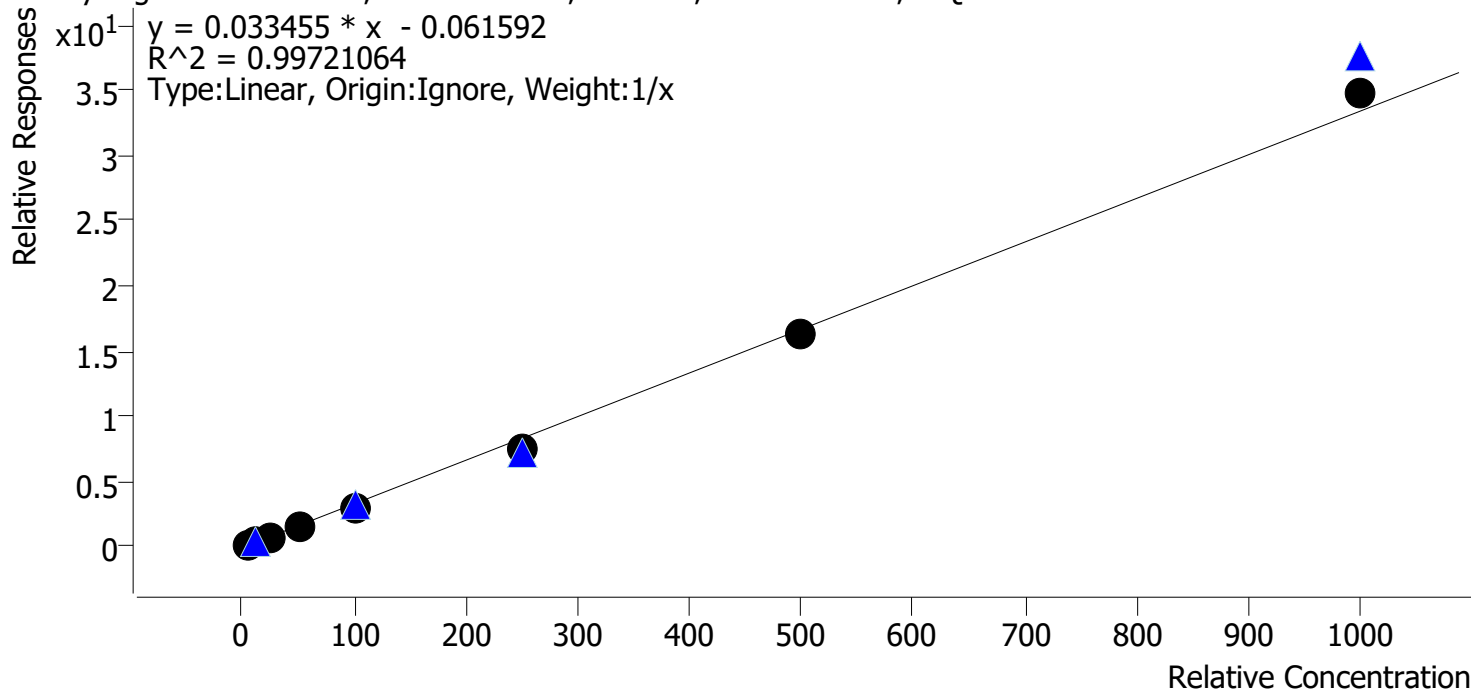
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



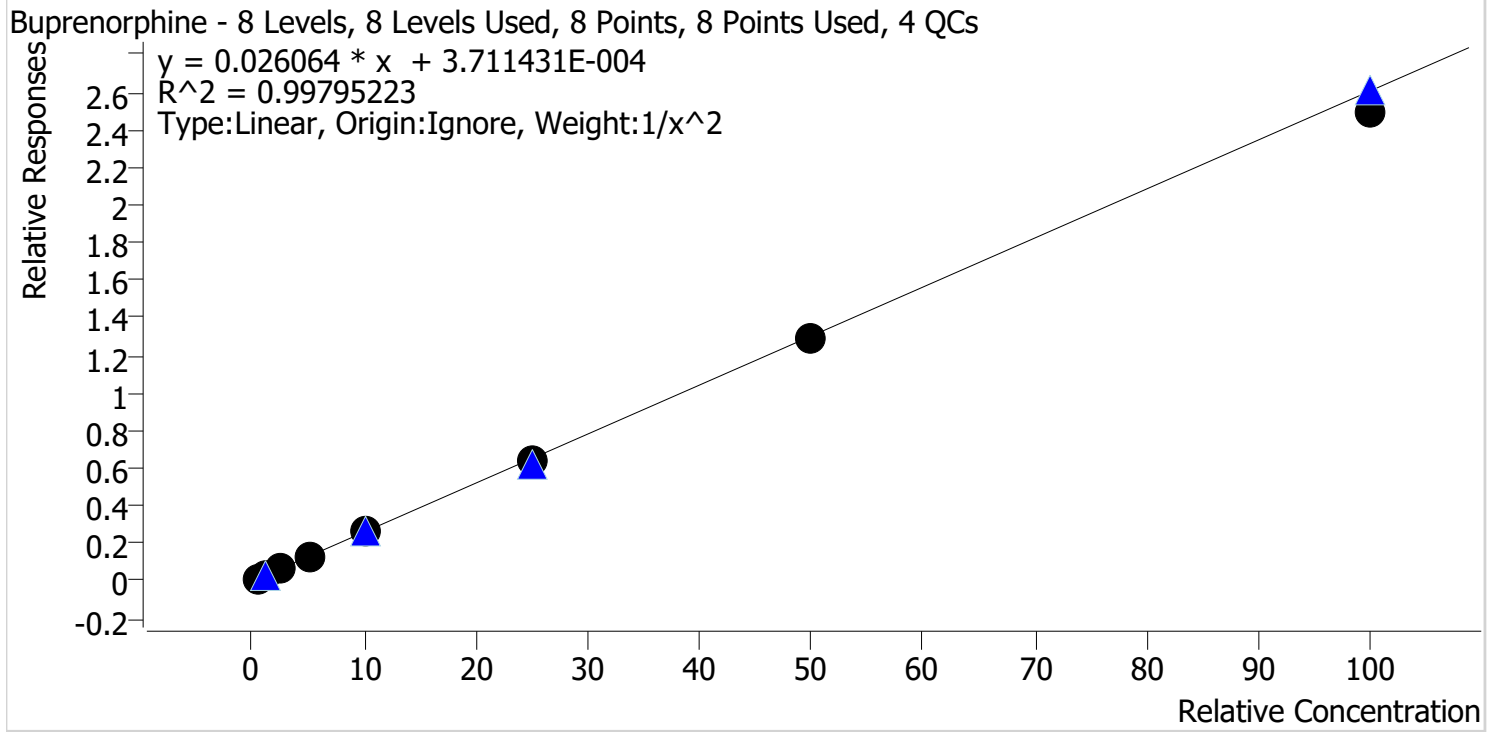
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.4	127.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.3
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	91.0	91.0
p1 Cal 6-250ng	6	✓	250.0	230.0	92.0
p1 Cal 7-500ng	7	✓	500.0	490.6	98.1
p1 Cal 8-1000ng	8	✓	1000.0	1041.4	104.1

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



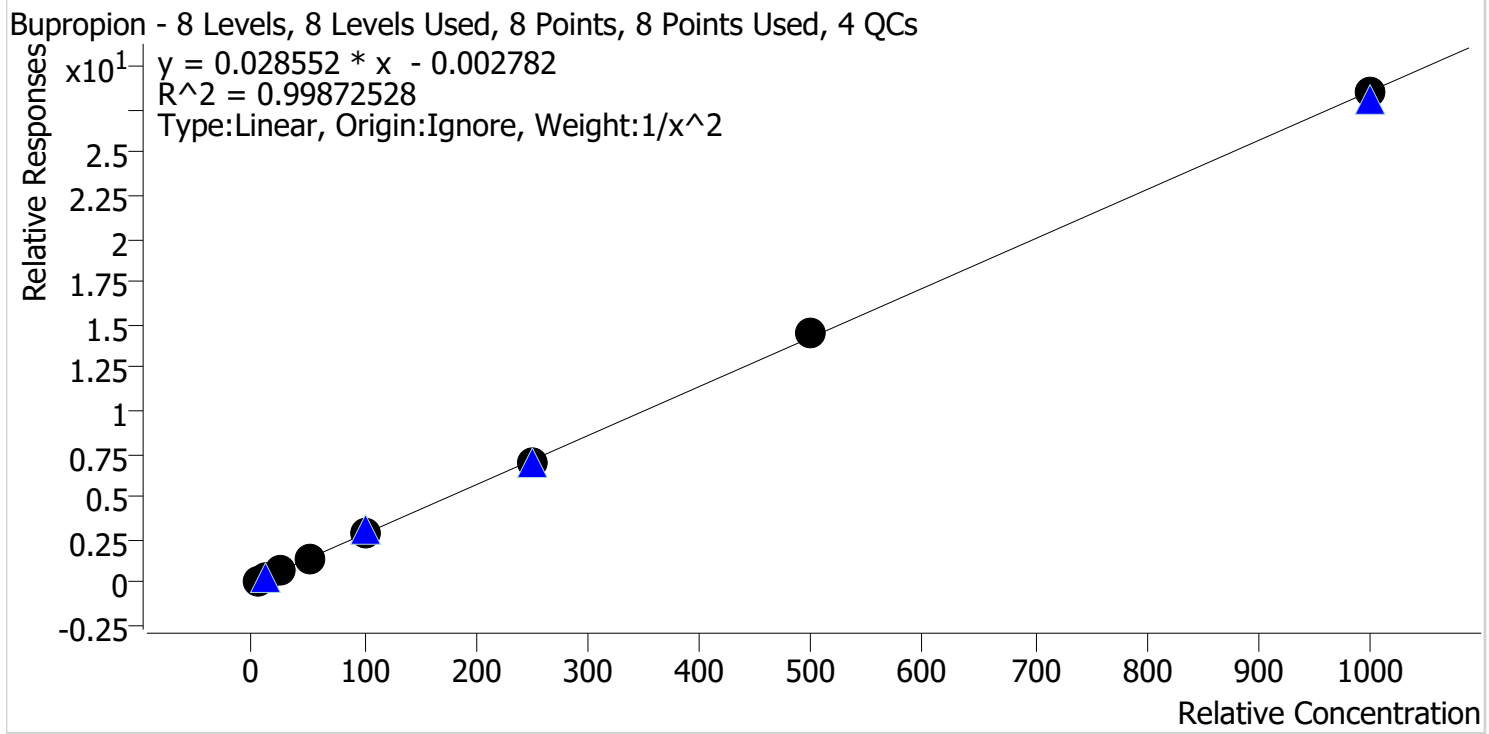
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.2
p1 Cal 2-10ng	2	✓	1.0	1.1	105.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.8
p1 Cal 4-50ng	4	✓	5.0	5.3	105.0
p1 Cal 5-100ng	5	✓	10.0	10.3	102.8
p1 Cal 6-250ng	6	✓	25.0	24.4	97.6
p1 Cal 7-500ng	7	✓	50.0	49.4	98.8
p1 Cal 8-1000ng	8	✓	100.0	96.0	96.0

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



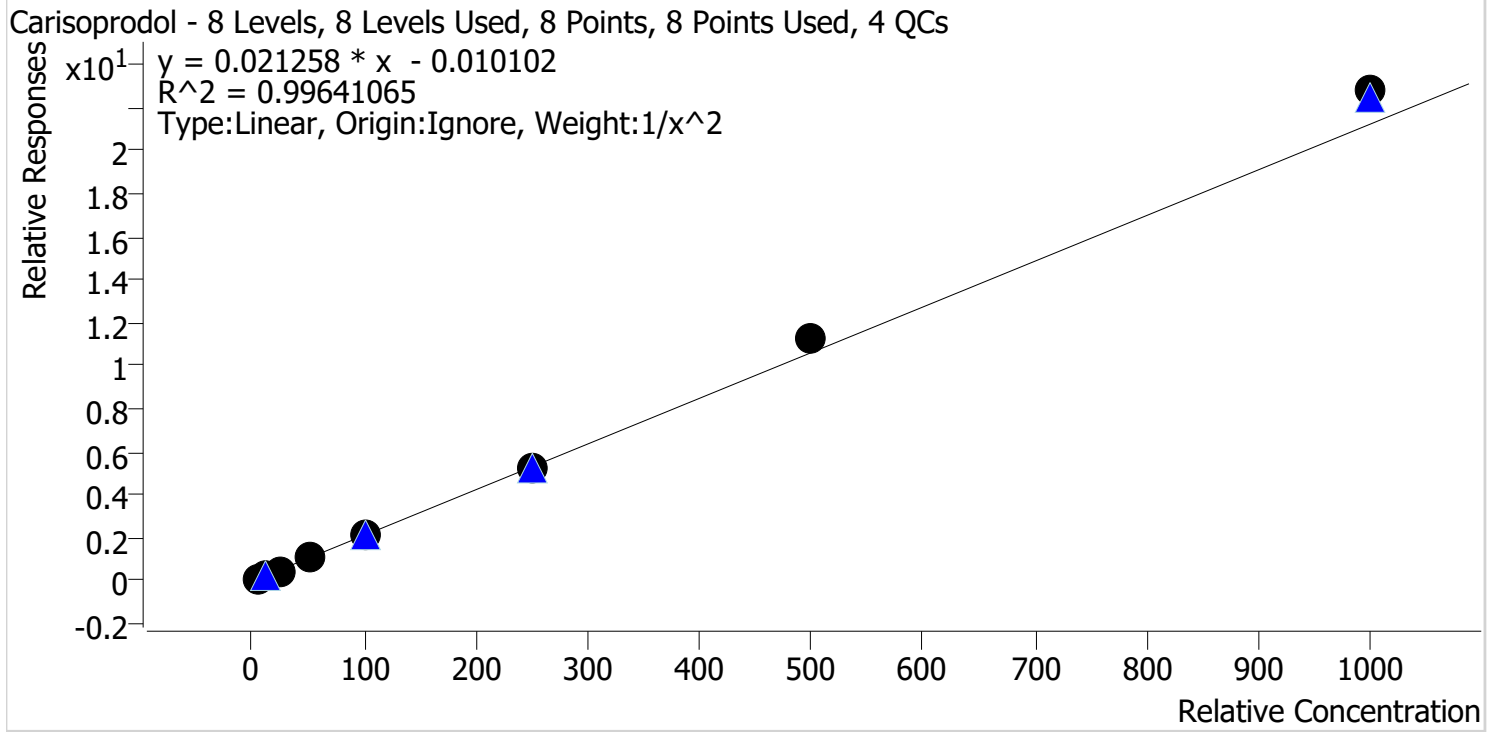
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.7	95.0
p1 Cal 4-50ng	4	✓	50.0	52.7	105.5
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	507.5	101.5
p1 Cal 8-1000ng	8	✓	1000.0	997.4	99.7

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.0
p1 Cal 4-50ng	4	✓	50.0	49.0	98.1
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	531.6	106.3
p1 Cal 8-1000ng	8	✓	1000.0	1073.4	107.3

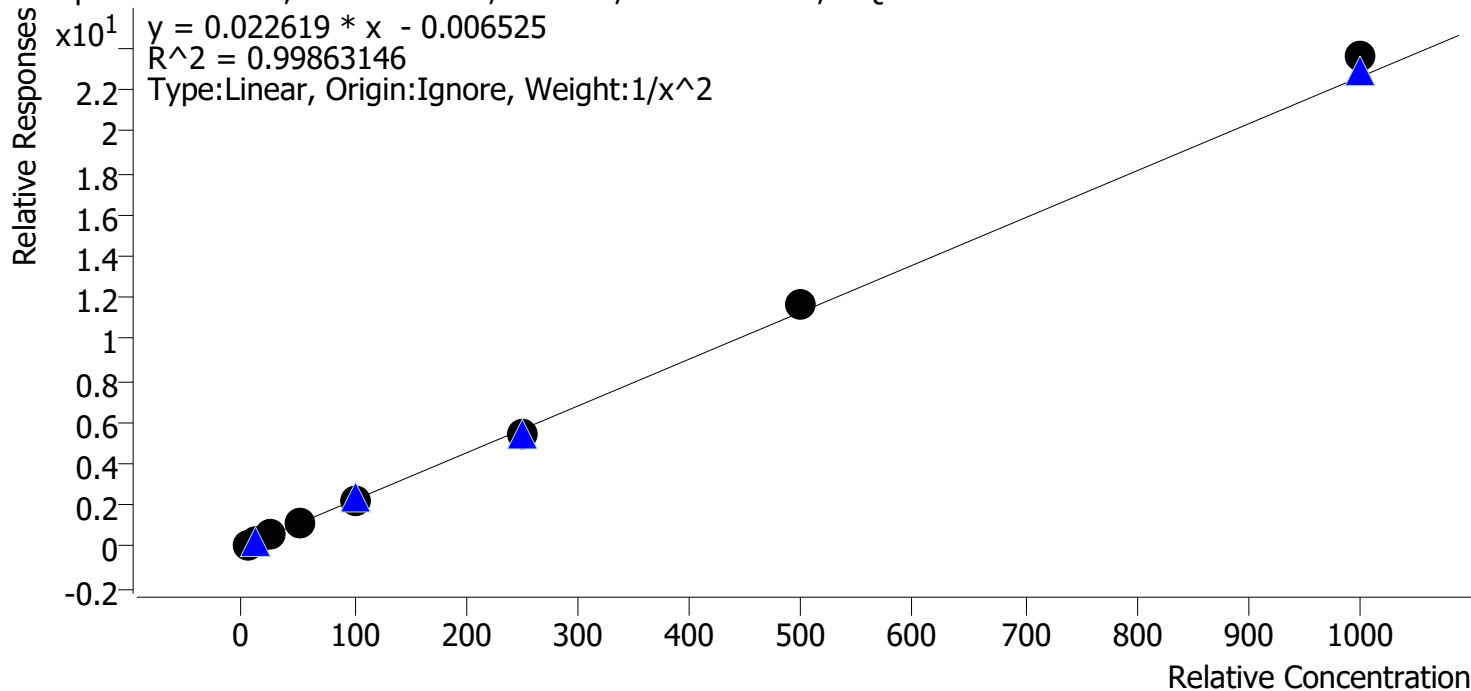
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	243.9	97.6
p1 Cal 7-500ng	7	✓	500.0	513.3	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1043.1	104.3

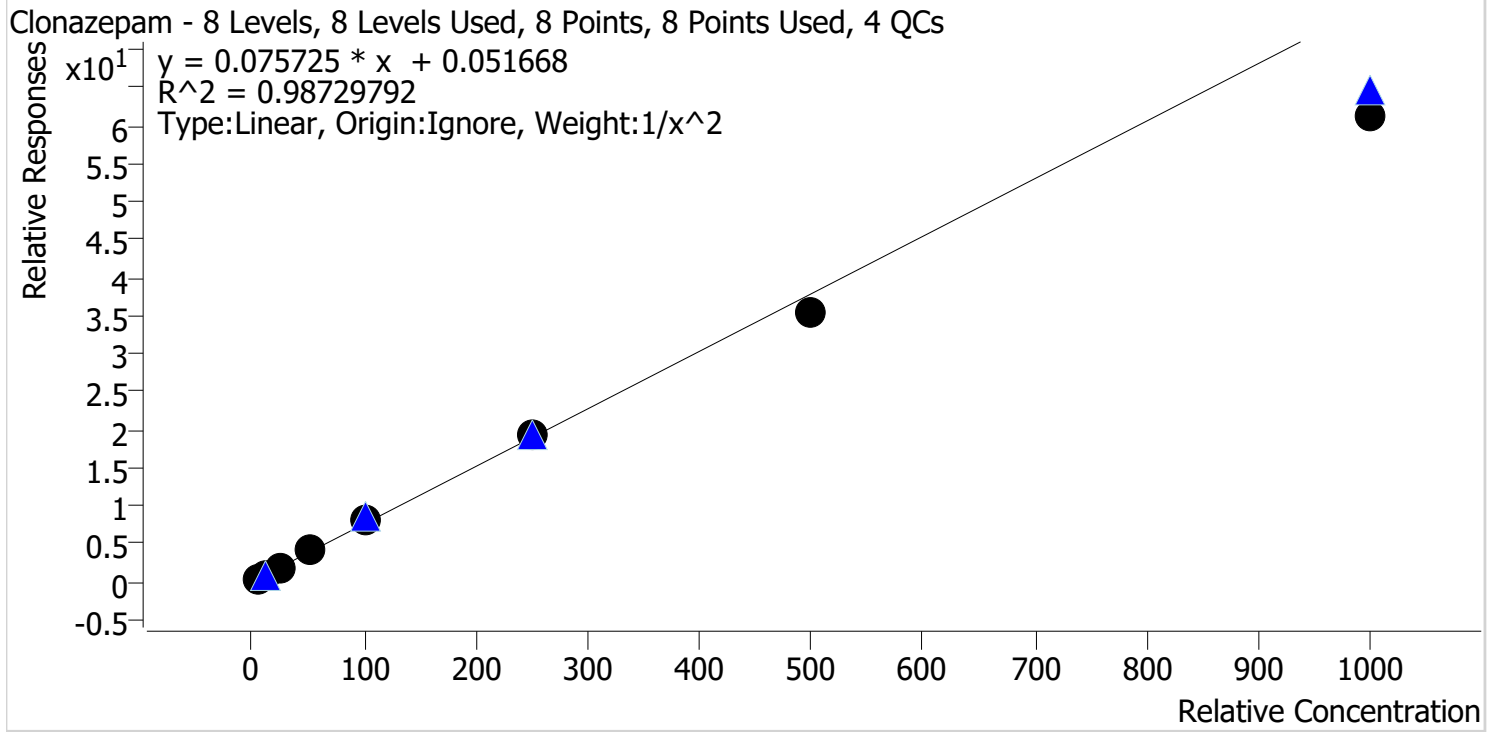


SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	56.3	112.6
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	467.4	93.5
p1 Cal 8-1000ng	8	✓	1000.0	807.8	80.8

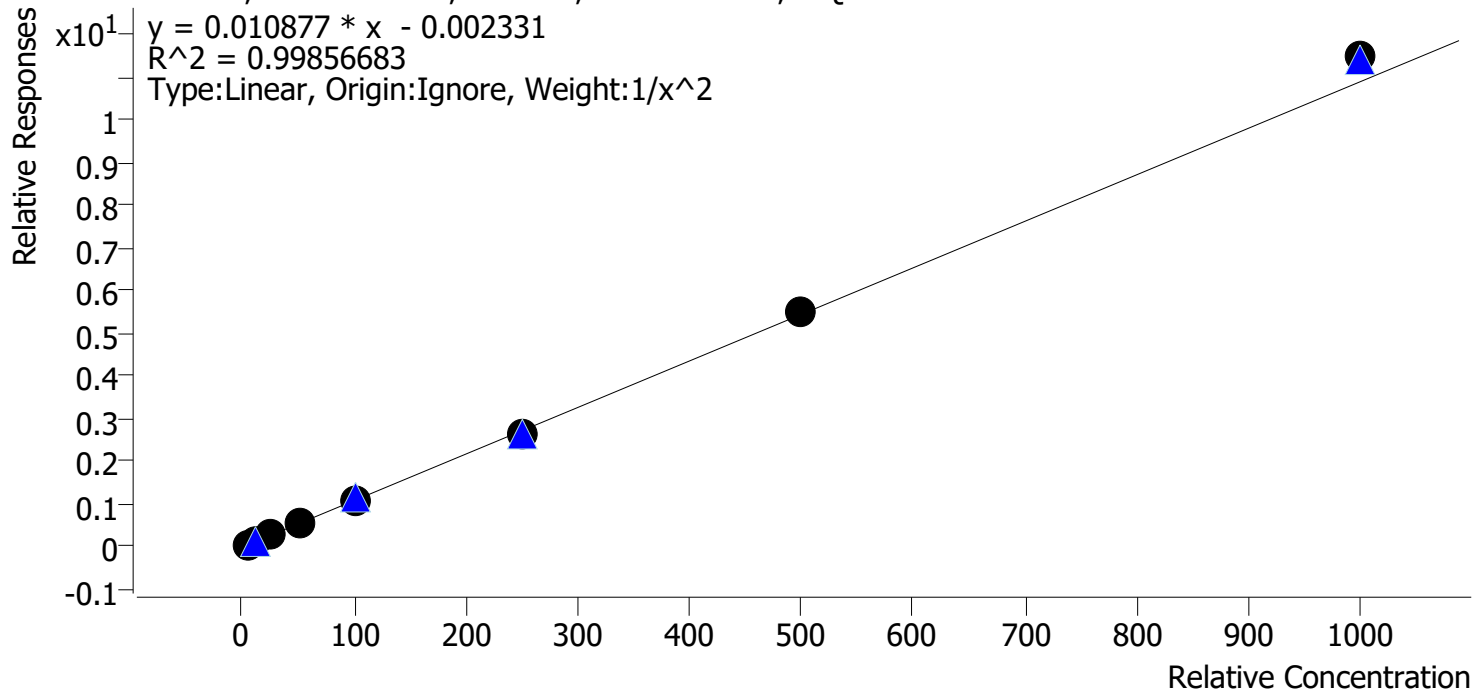
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	506.1	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1054.0	105.4

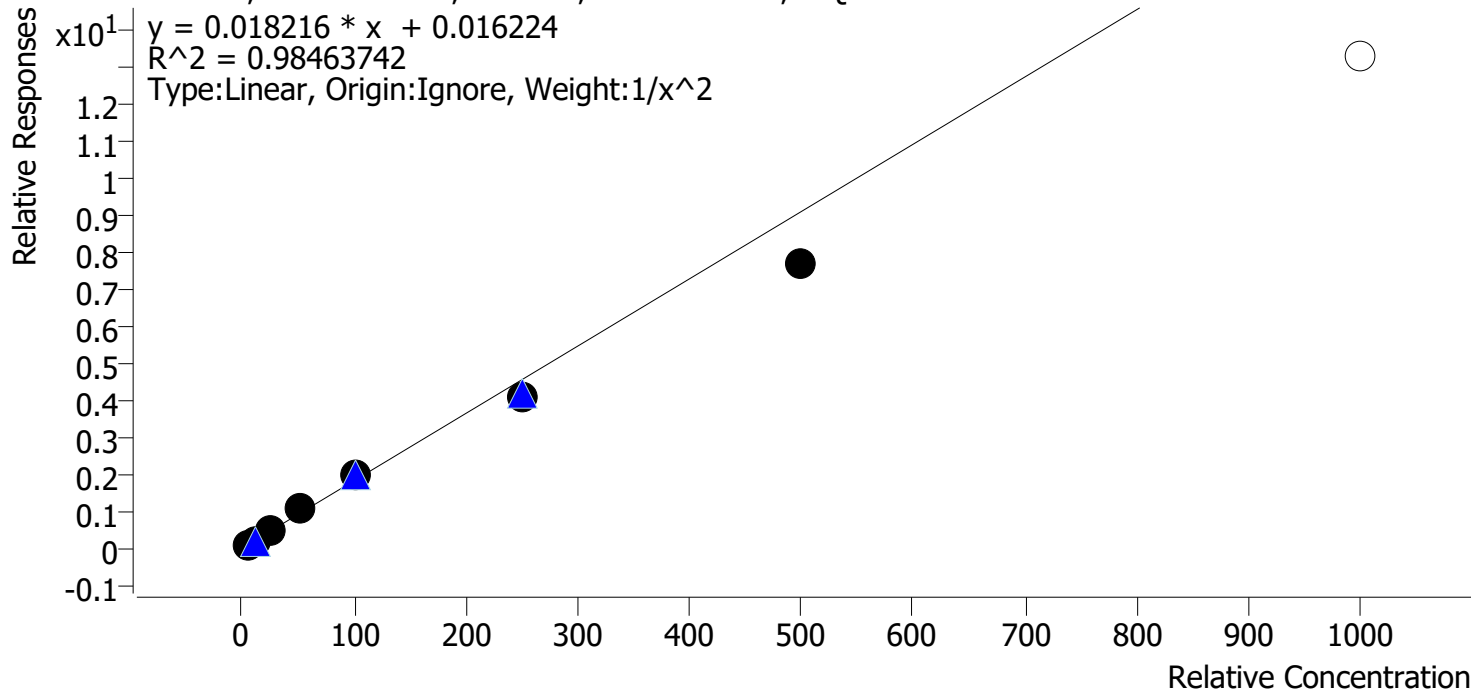
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2-10ng	2	✓	10.0	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	57.2	114.3
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	225.3	90.1
p1 Cal 7-500ng	7	✓	500.0	420.6	84.1
p1 Cal 8-1000ng	8	✗	1000.0	730.3	73.0

Calibrator 8 dropped due to not meeting accuracy requirement

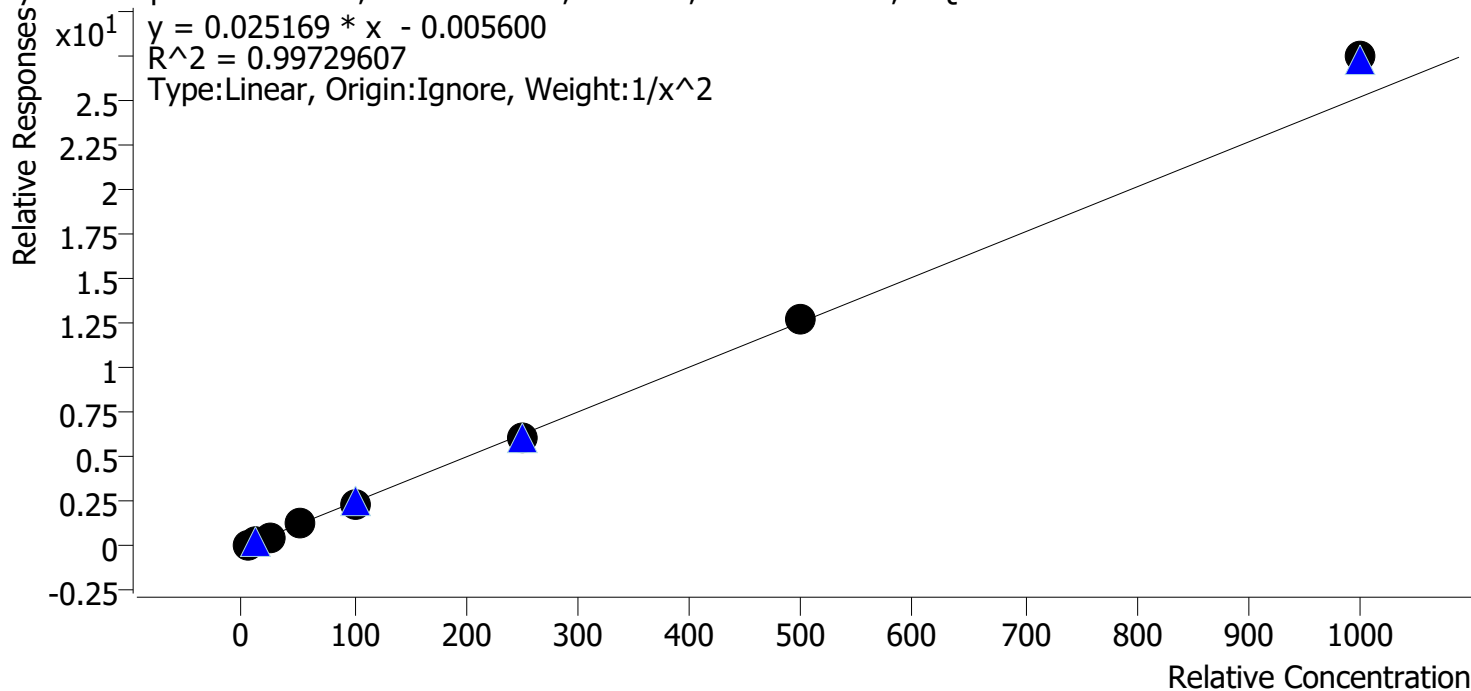
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1089.8	109.0

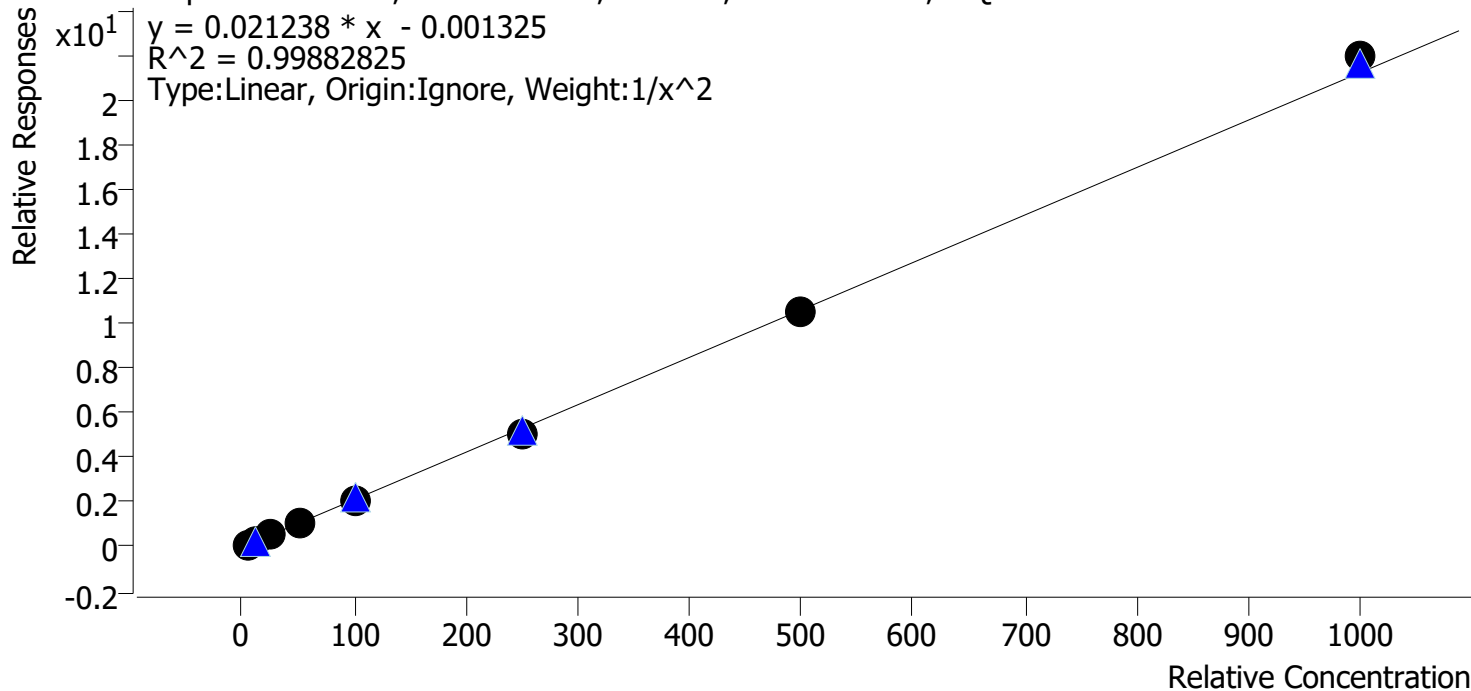
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



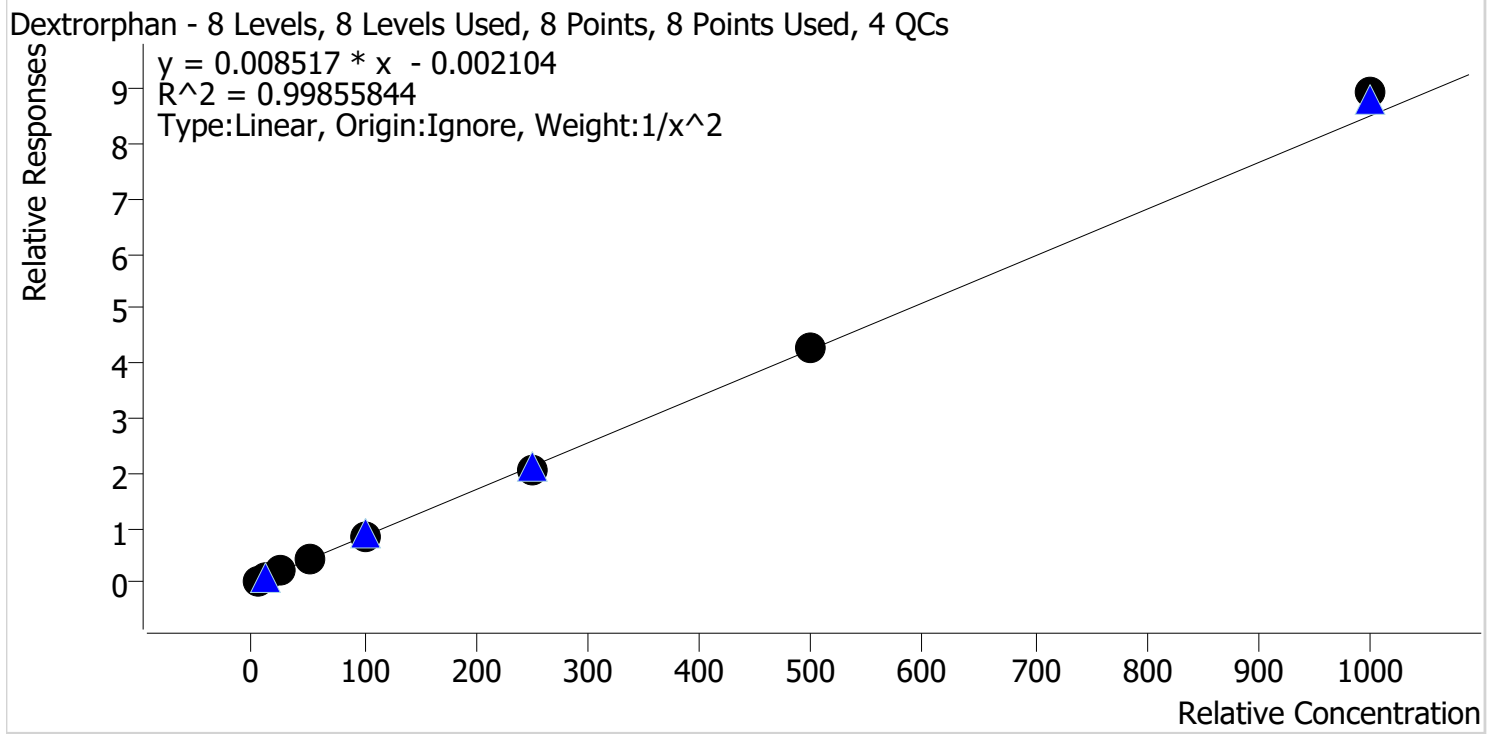
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	241.5	96.6
p1 Cal 7-500ng	7	✓	500.0	498.6	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1033.9	103.4

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3



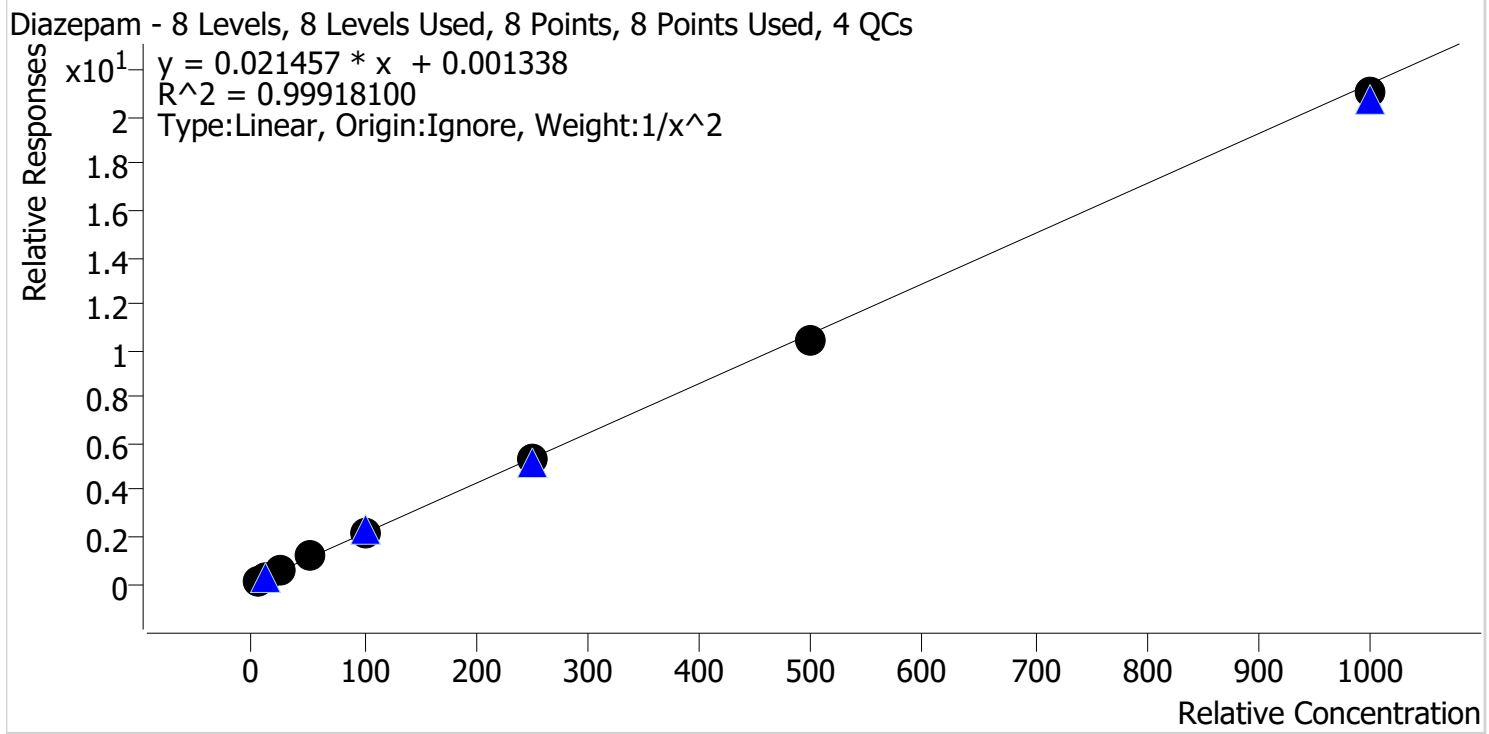
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	243.9	97.6
p1 Cal 7-500ng	7	✓	500.0	501.5	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1049.9	105.0

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	487.5	97.5
p1 Cal 8-1000ng	8	✓	1000.0	982.3	98.2

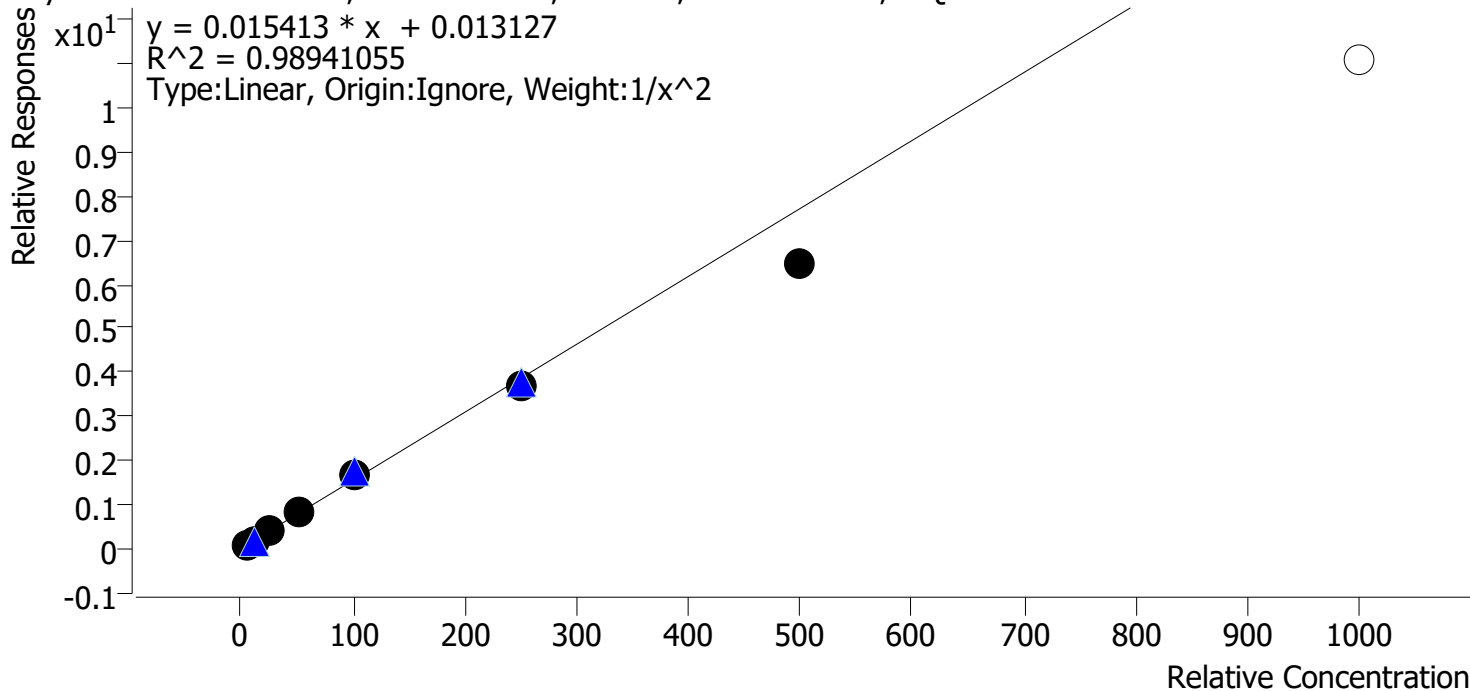
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	240.2	96.1
p1 Cal 7-500ng	7	✓	500.0	419.0	83.8
p1 Cal 8-1000ng	8	✗	1000.0	721.7	72.2

Calibrator 8 dropped due to not meeting accuracy requirement



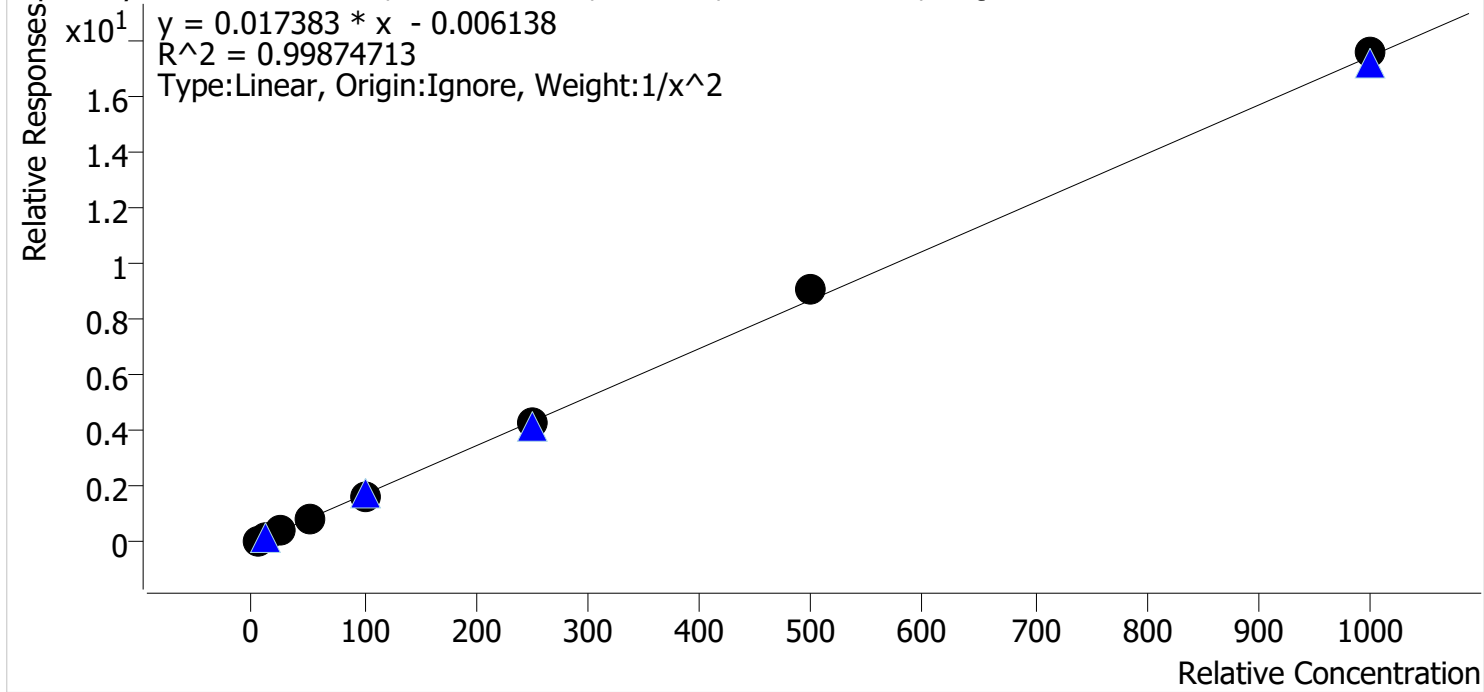
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



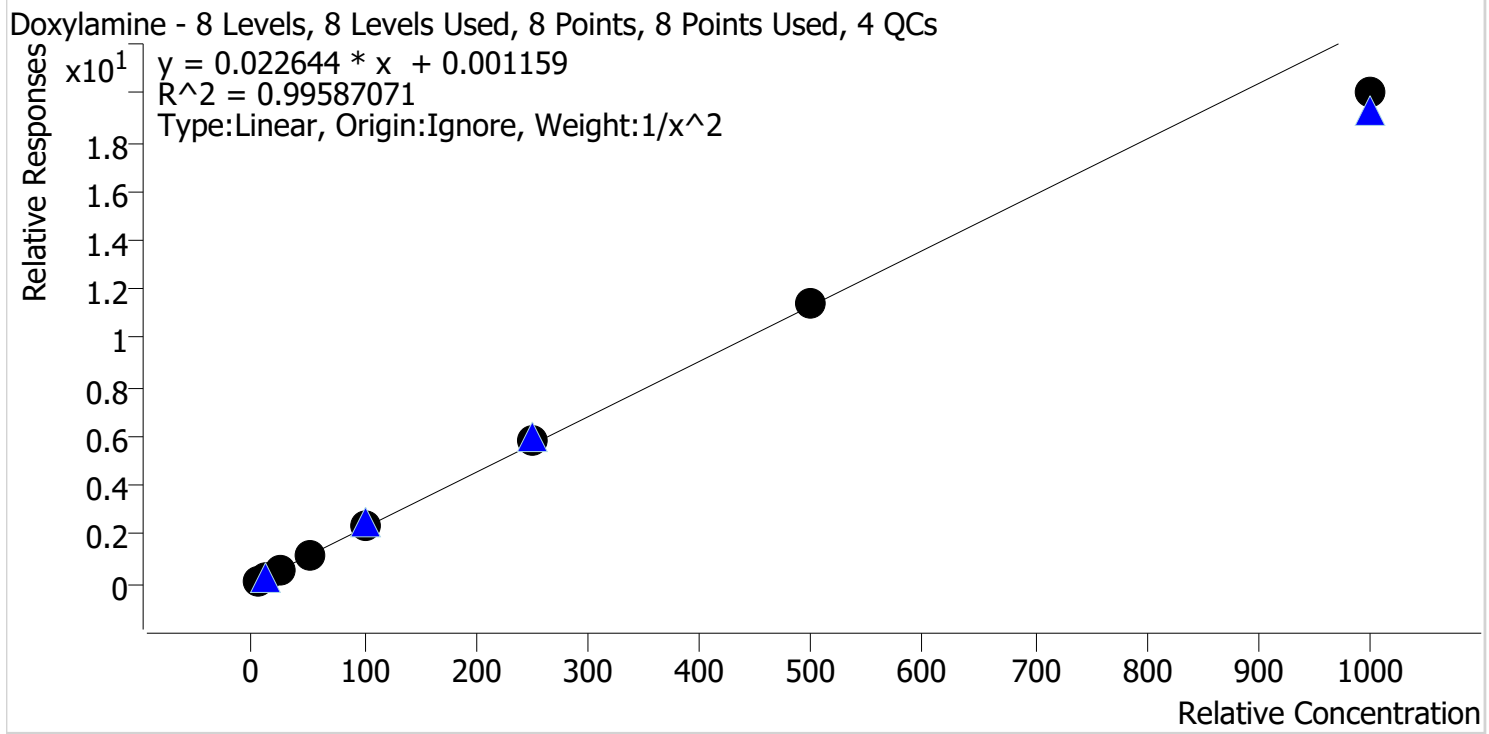
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	525.2	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1008.0	100.8

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	53.3	106.7
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	260.2	104.1
p1 Cal 7-500ng	7	✓	500.0	504.7	100.9
p1 Cal 8-1000ng	8	✓	1000.0	883.9	88.4

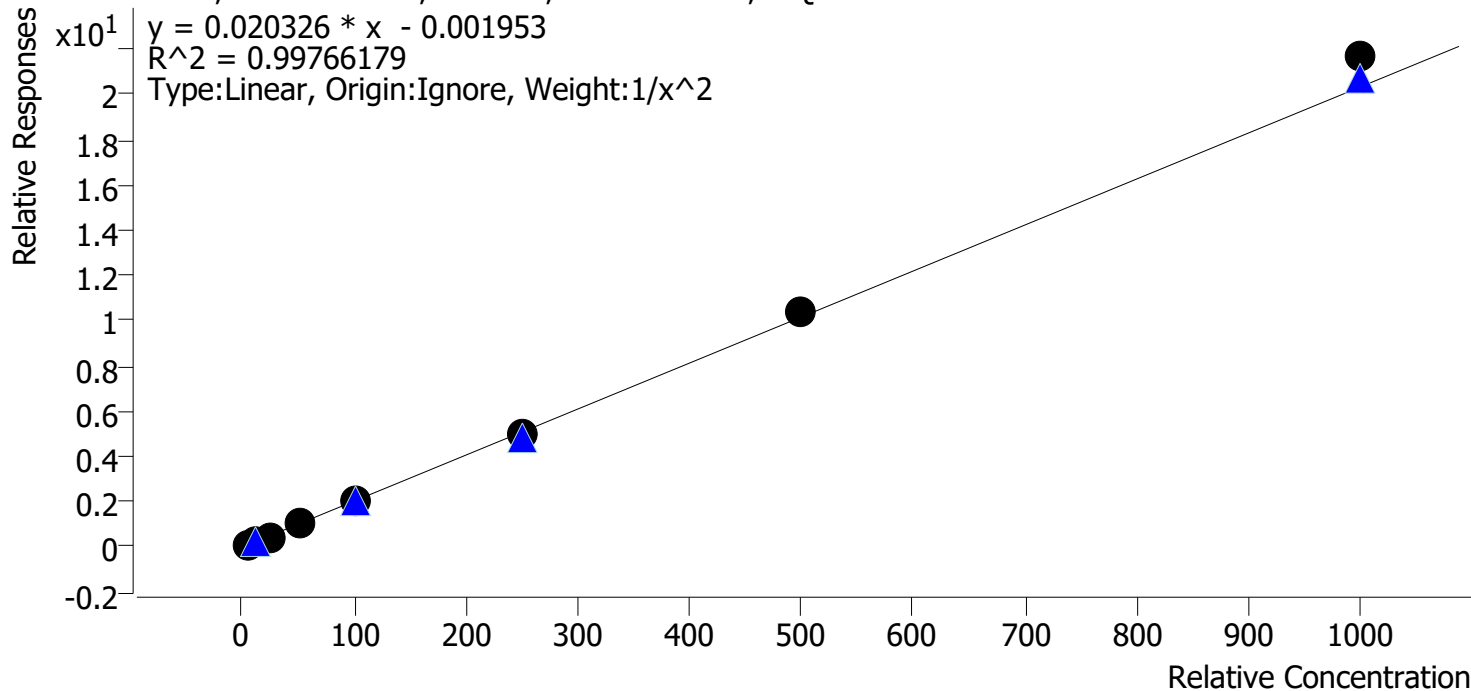
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	510.7	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1066.1	106.6

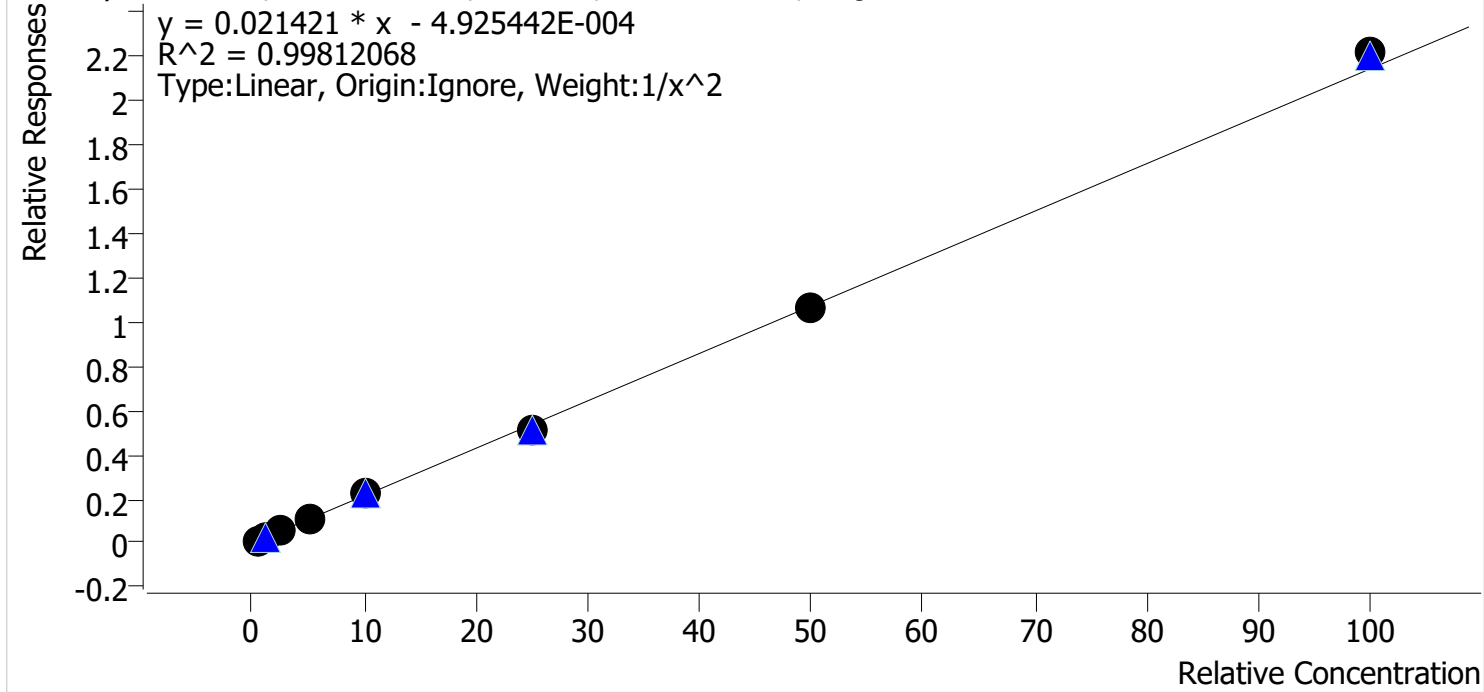
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



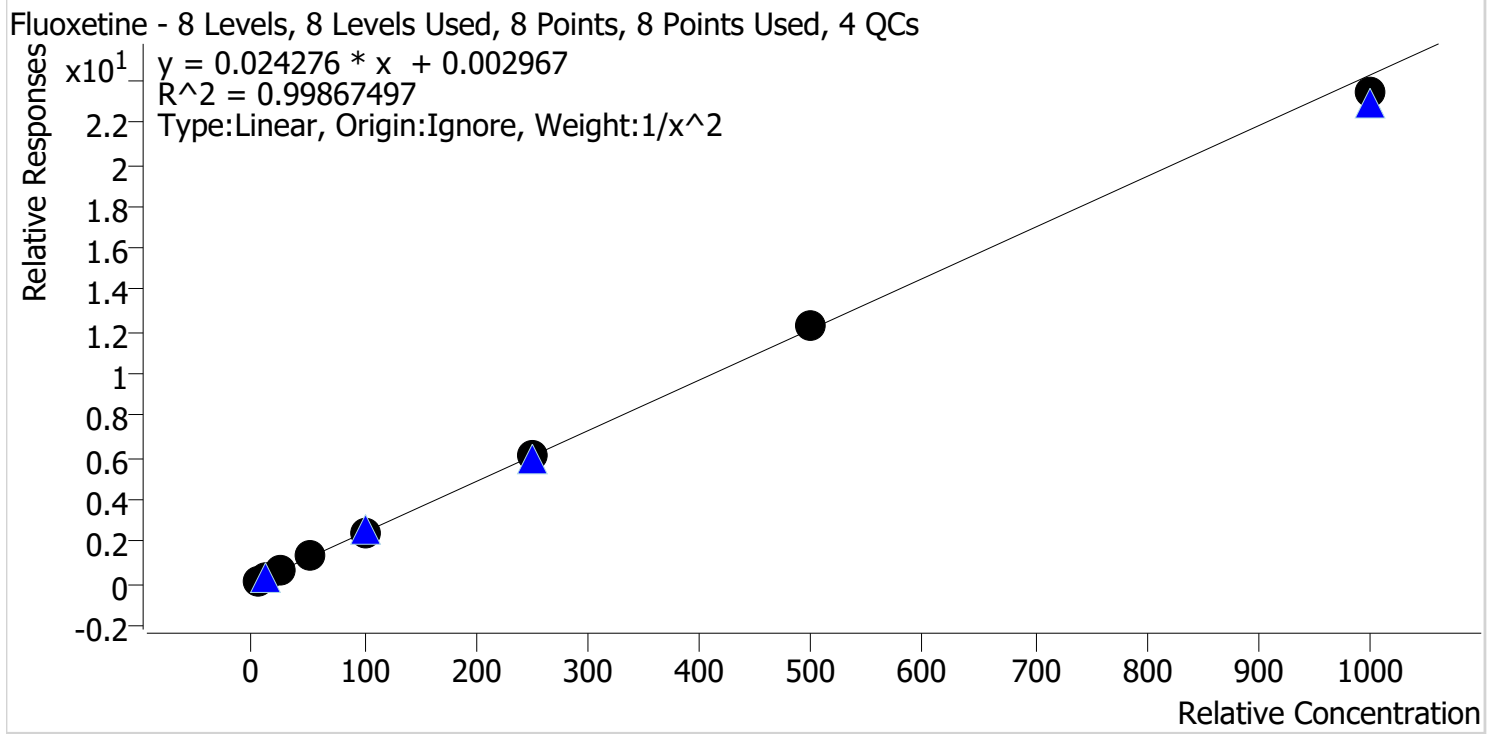
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.0
p1 Cal 2-10ng	2	✓	1.0	1.0	96.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.9
p1 Cal 4-50ng	4	✓	5.0	5.1	102.5
p1 Cal 5-100ng	5	✓	10.0	10.5	104.6
p1 Cal 6-250ng	6	✓	25.0	23.5	94.0
p1 Cal 7-500ng	7	✓	50.0	49.7	99.4
p1 Cal 8-1000ng	8	✓	100.0	103.4	103.4

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	503.9	100.8
p1 Cal 8-1000ng	8	✓	1000.0	965.3	96.5

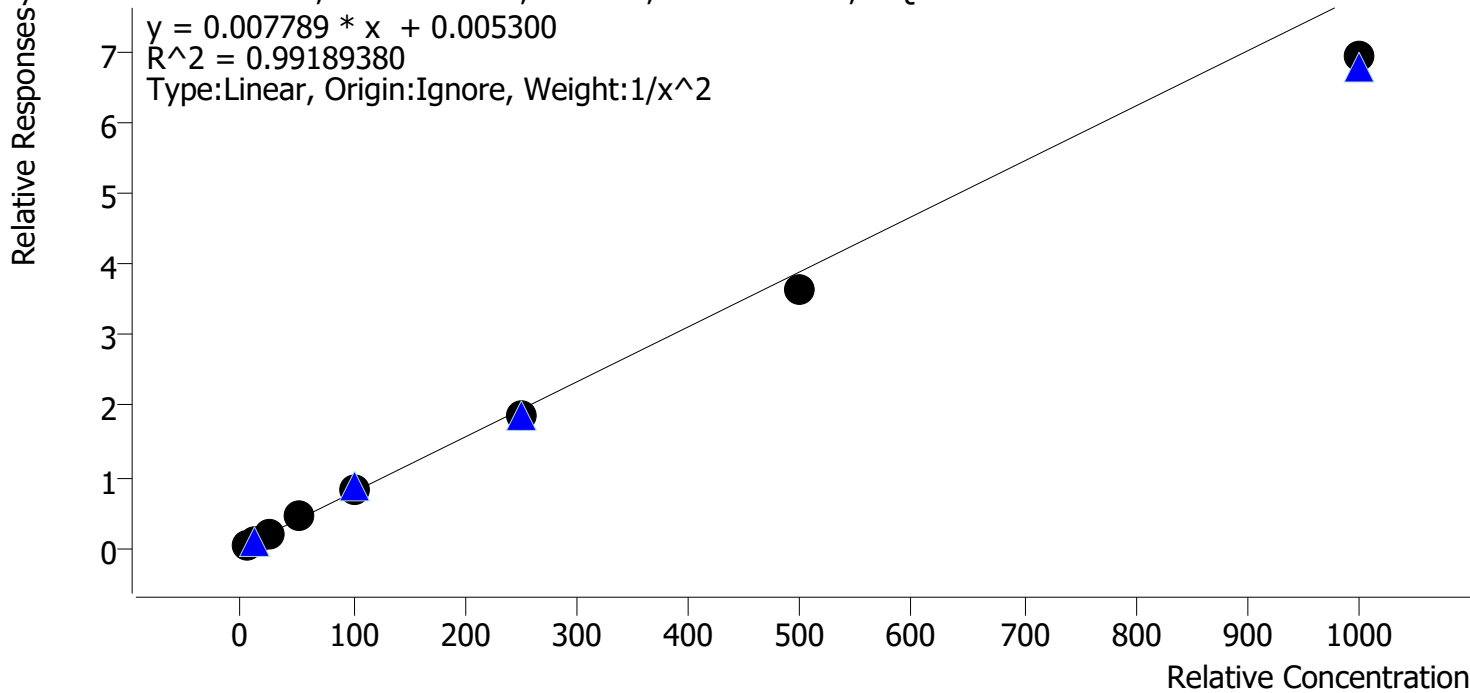
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

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



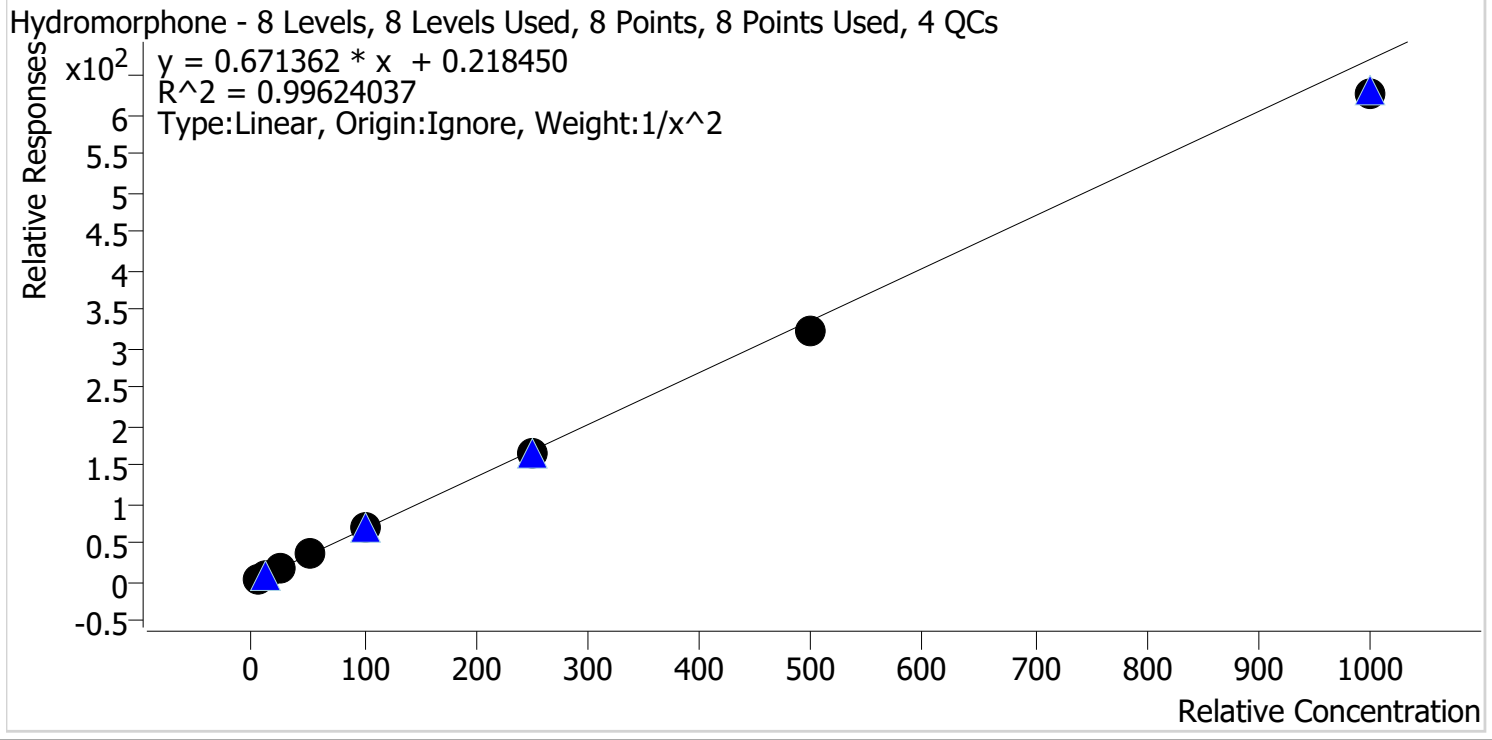
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	57.1	114.2
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	240.3	96.1
p1 Cal 7-500ng	7	✓	500.0	469.5	93.9
p1 Cal 8-1000ng	8	✓	1000.0	889.7	89.0

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Morphine-D6



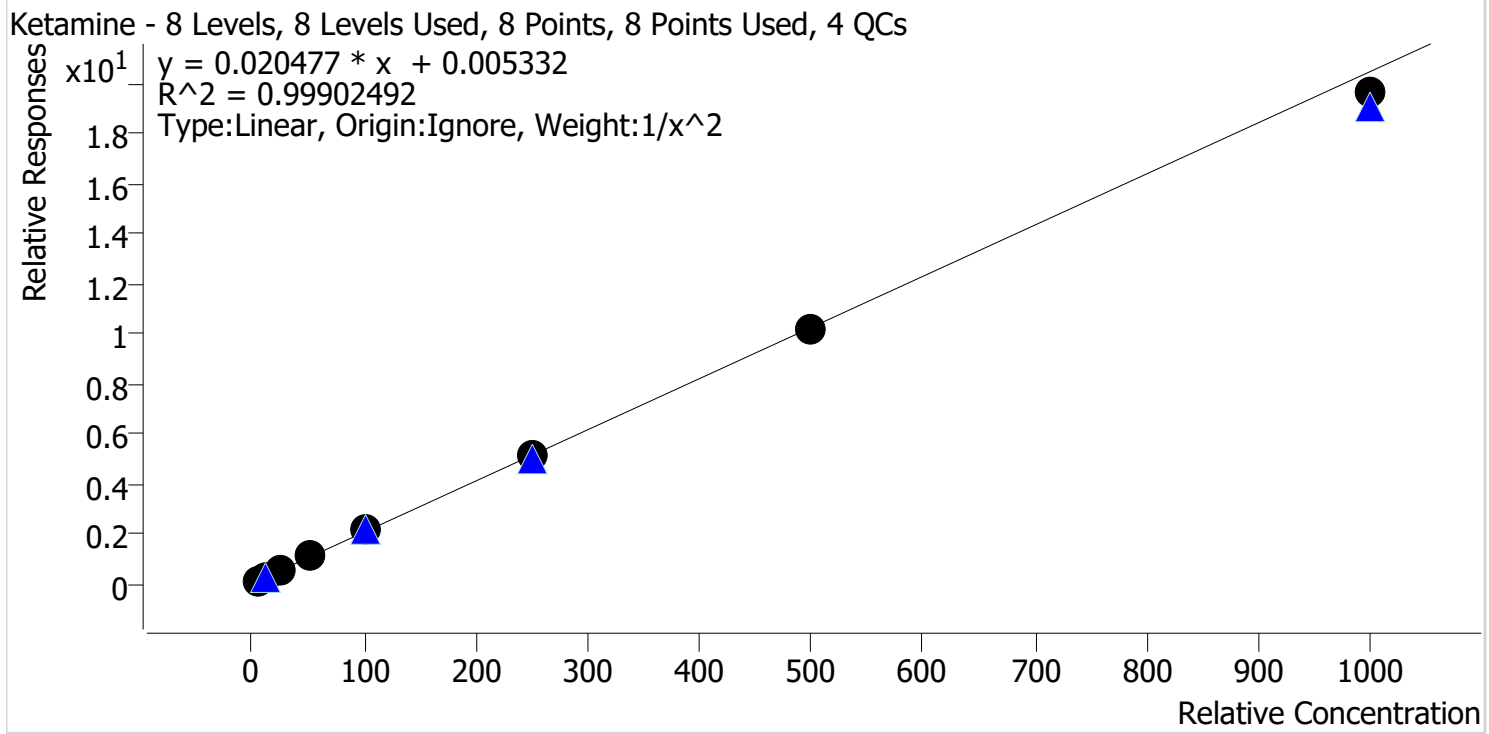
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	241.9	96.8
p1 Cal 7-500ng	7	✓	500.0	478.0	95.6
p1 Cal 8-1000ng	8	✓	1000.0	931.4	93.1

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	52.6	105.1
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	493.7	98.7
p1 Cal 8-1000ng	8	✓	1000.0	958.9	95.9



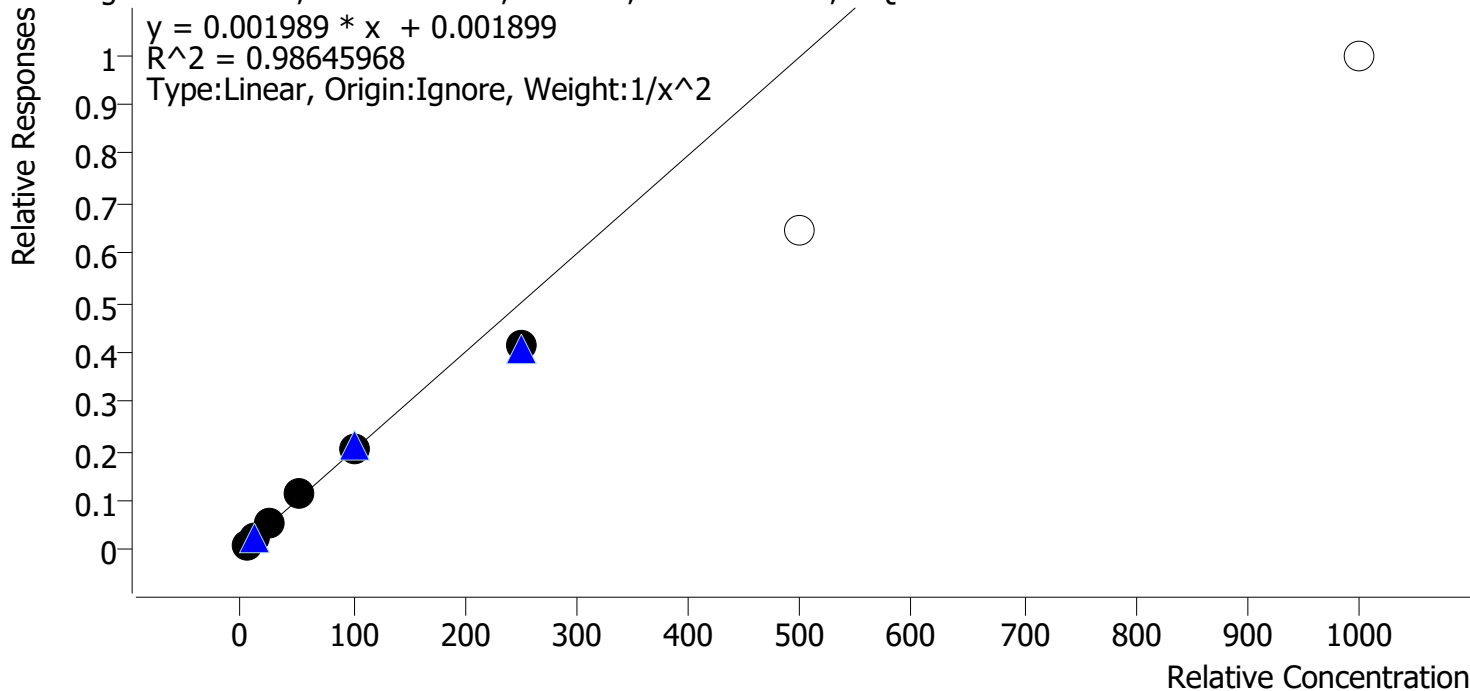
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	55.5	111.1
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	207.7	83.1
p1 Cal 7-500ng	7	x	500.0	325.4	65.1
p1 Cal 8-1000ng	8	x	1000.0	499.8	50.0

Calibrators 7 and 8 dropped due to not meeting accuracy requirement

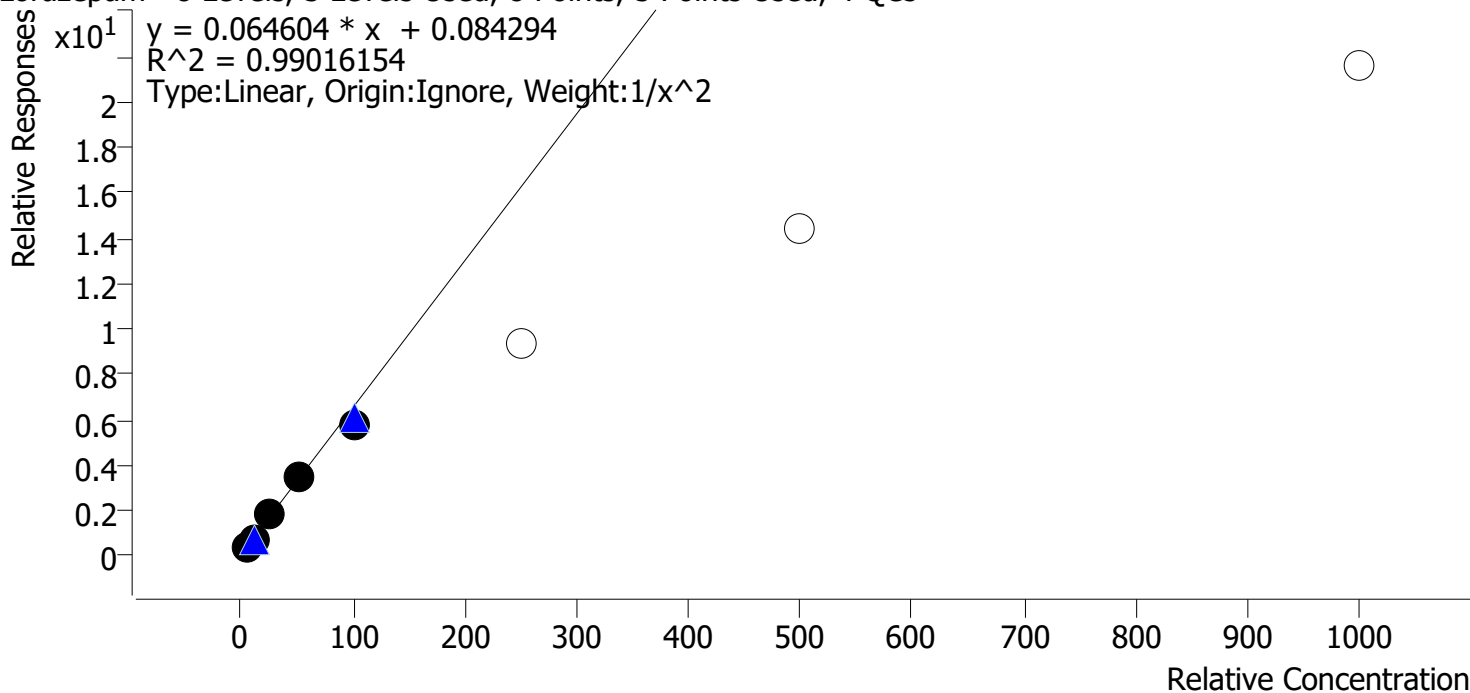
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	87.9	87.9
p1 Cal 6-250ng	6	✗	250.0	144.5	57.8
p1 Cal 7-500ng	7	✗	500.0	221.7	44.3
p1 Cal 8-1000ng	8	✗	1000.0	333.7	33.4

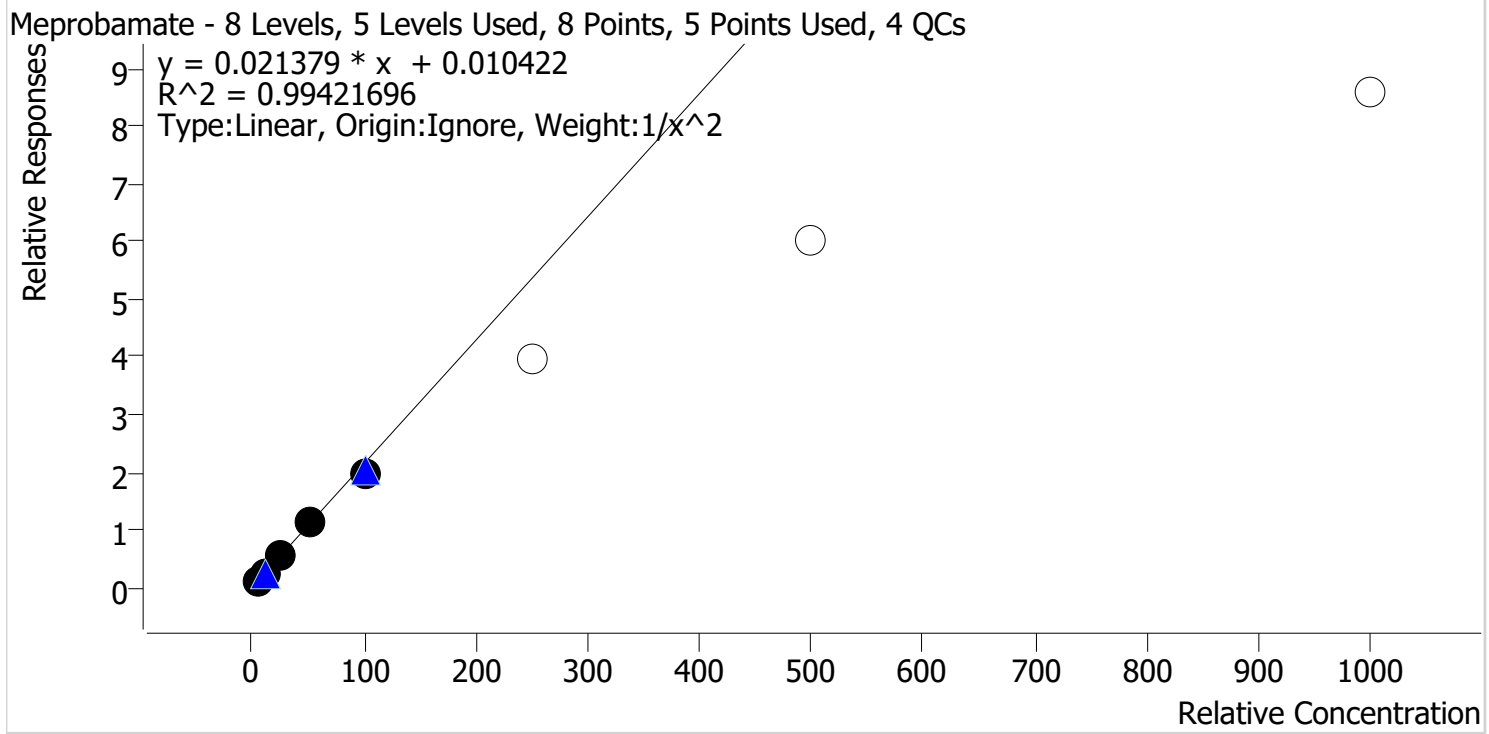
Calibrators 6-8 dropped due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	91.5	91.5
p1 Cal 6-250ng	6	x	250.0	186.0	74.4
p1 Cal 7-500ng	7	x	500.0	282.1	56.4
p1 Cal 8-1000ng	8	x	1000.0	400.7	40.1

Calibrators 6-8 dropped due to not meeting accuracy requirement

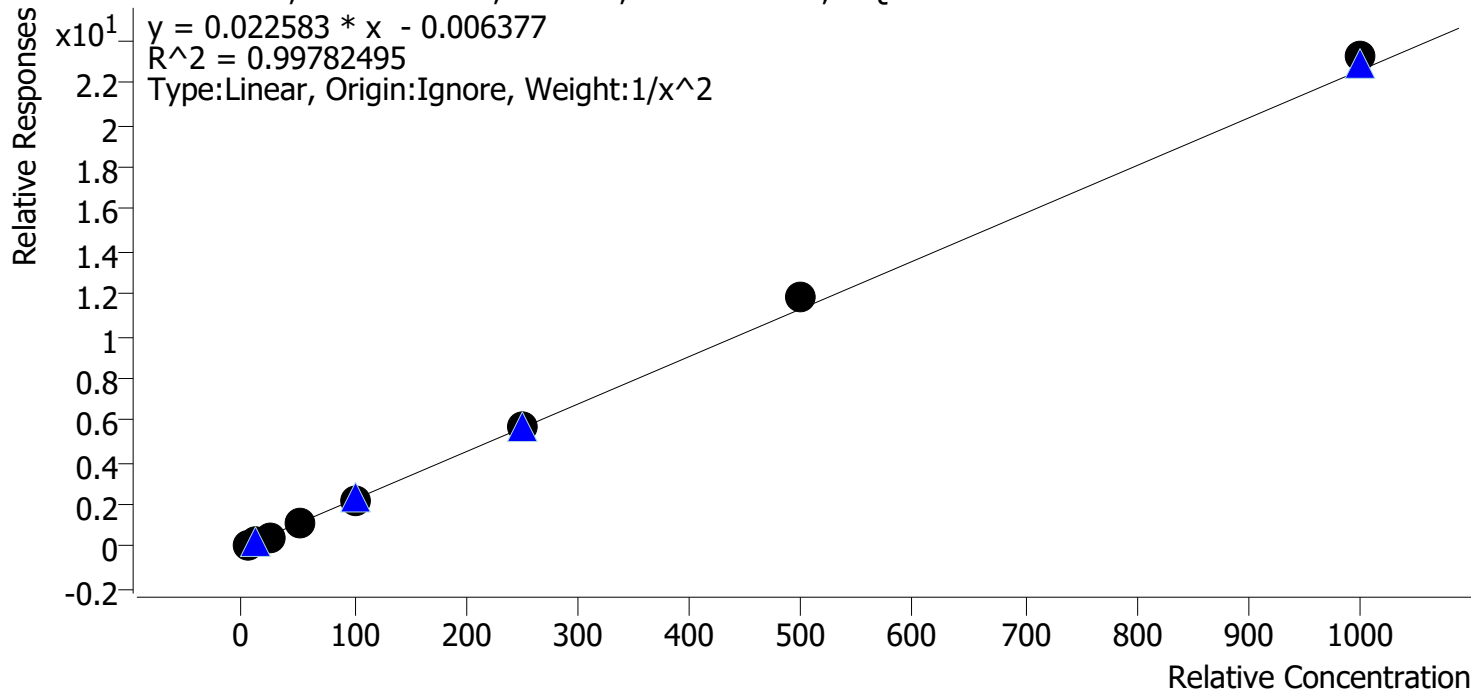
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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



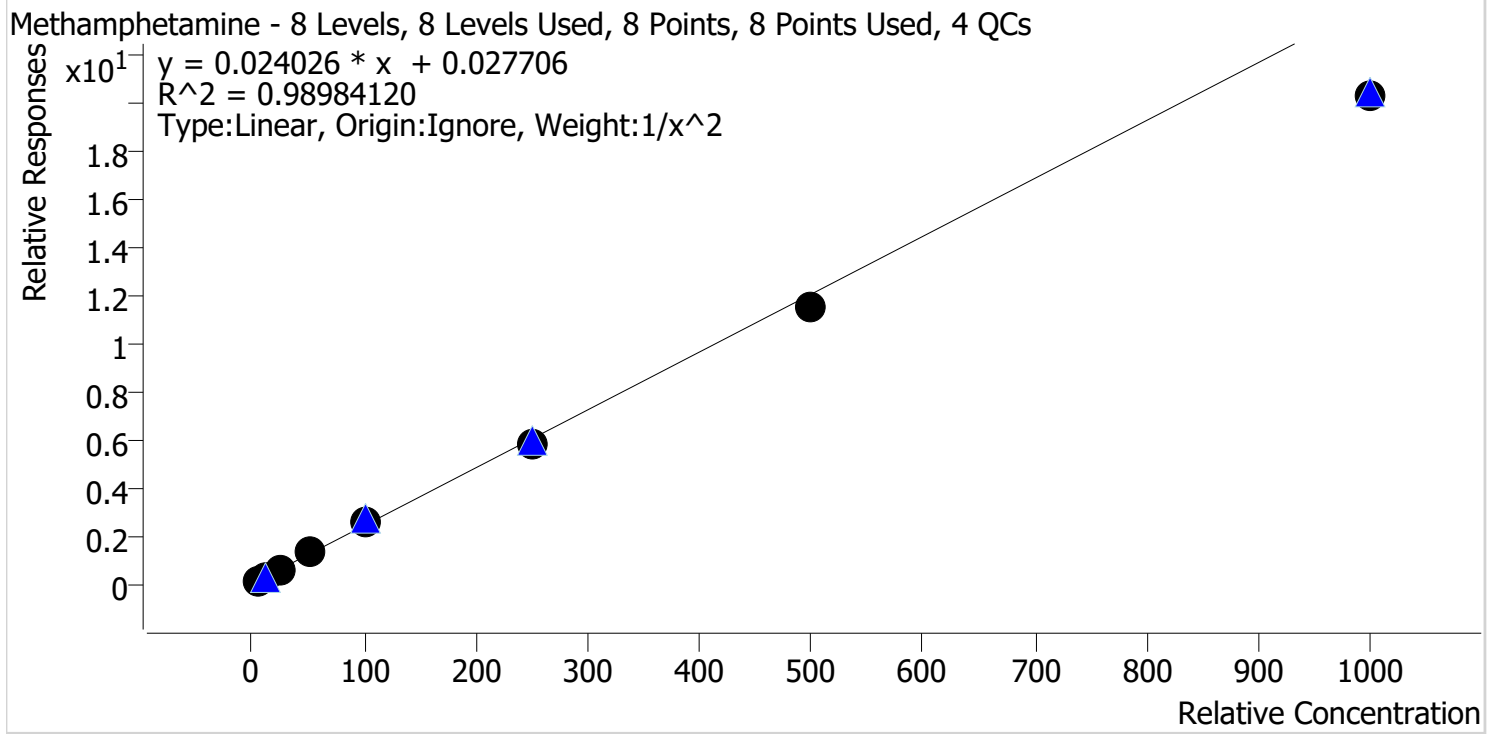
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.1
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	249.9	99.9
p1 Cal 7-500ng	7	✓	500.0	521.2	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1028.8	102.9

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	56.9	113.9
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	242.9	97.2
p1 Cal 7-500ng	7	✓	500.0	476.7	95.3
p1 Cal 8-1000ng	8	✓	1000.0	844.6	84.5

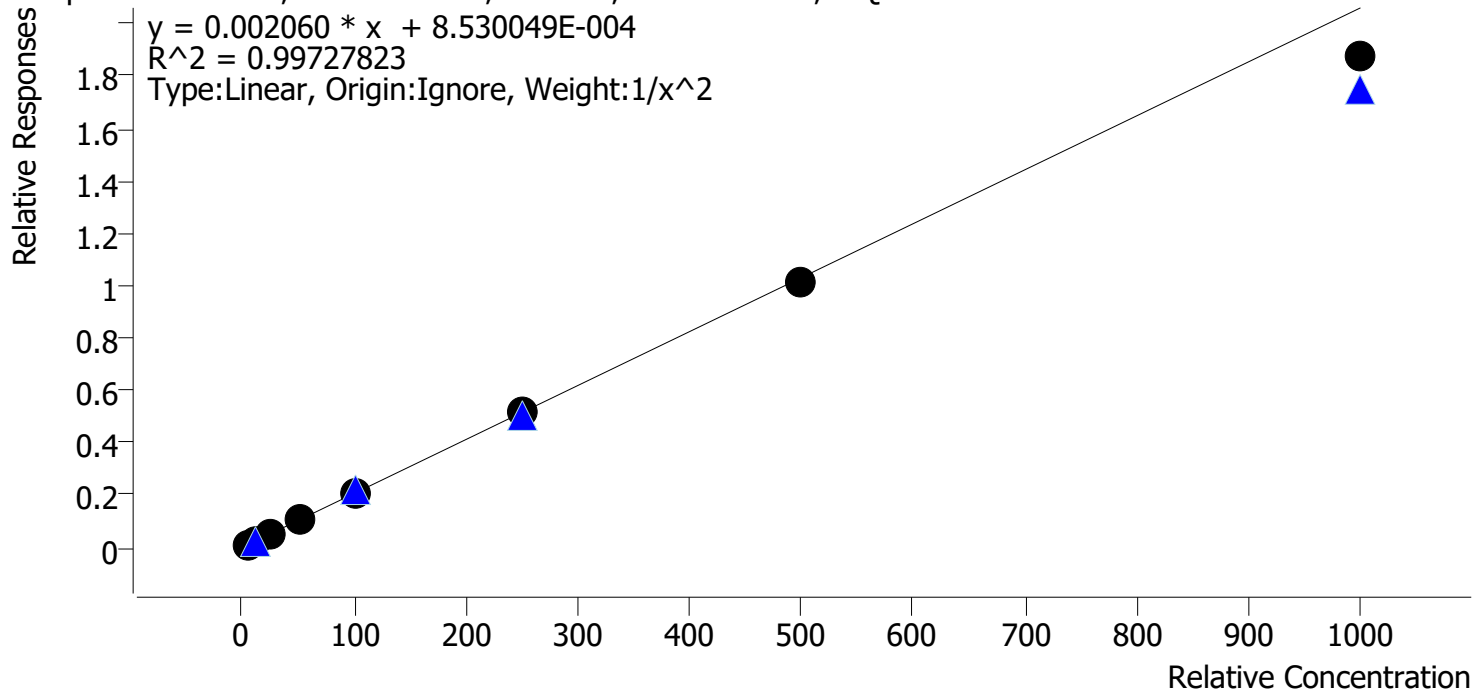
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	494.5	98.9
p1 Cal 8-1000ng	8	✓	1000.0	909.9	91.0

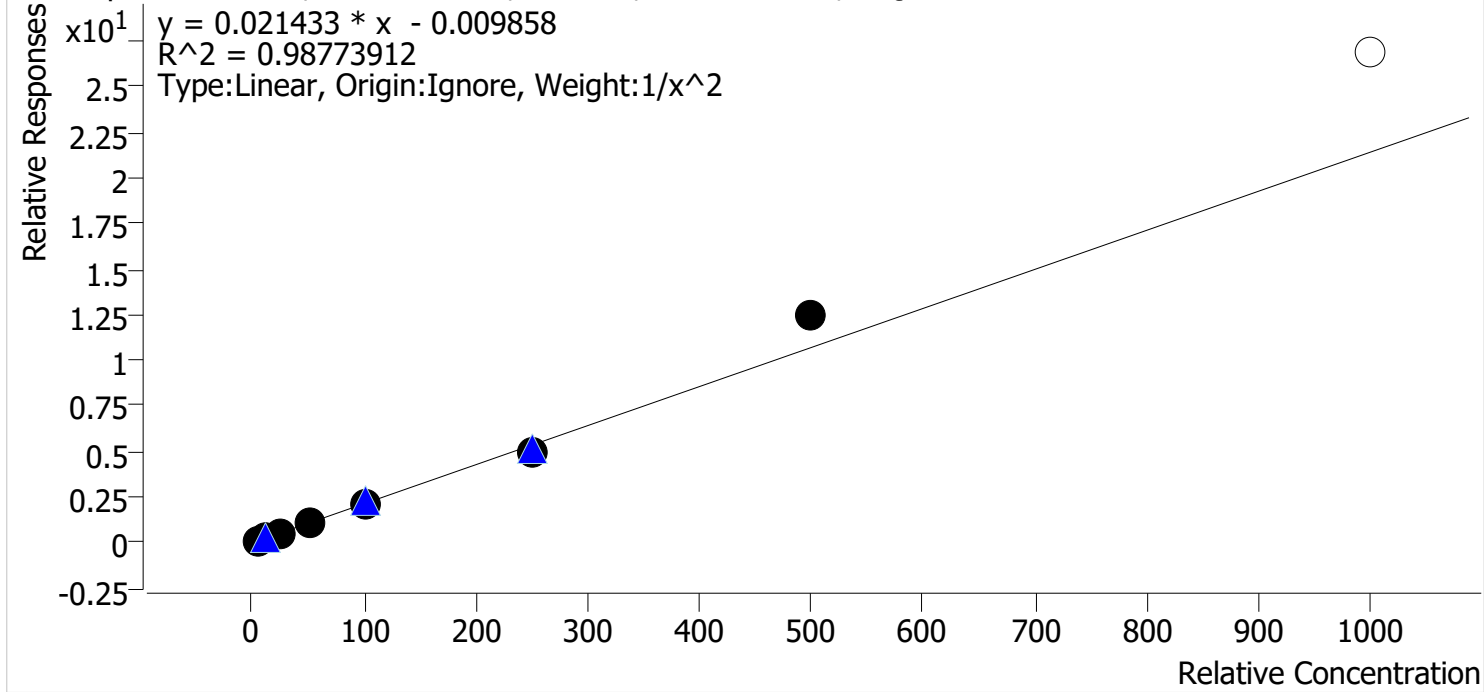
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2-10ng	2	✓	10.0	9.4	94.2
p1 Cal 3 -25ng	3	✓	25.0	22.6	90.5
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	230.7	92.3
p1 Cal 7-500ng	7	✓	500.0	586.9	117.4
p1 Cal 8-1000ng	8	✗	1000.0	1255.1	125.5

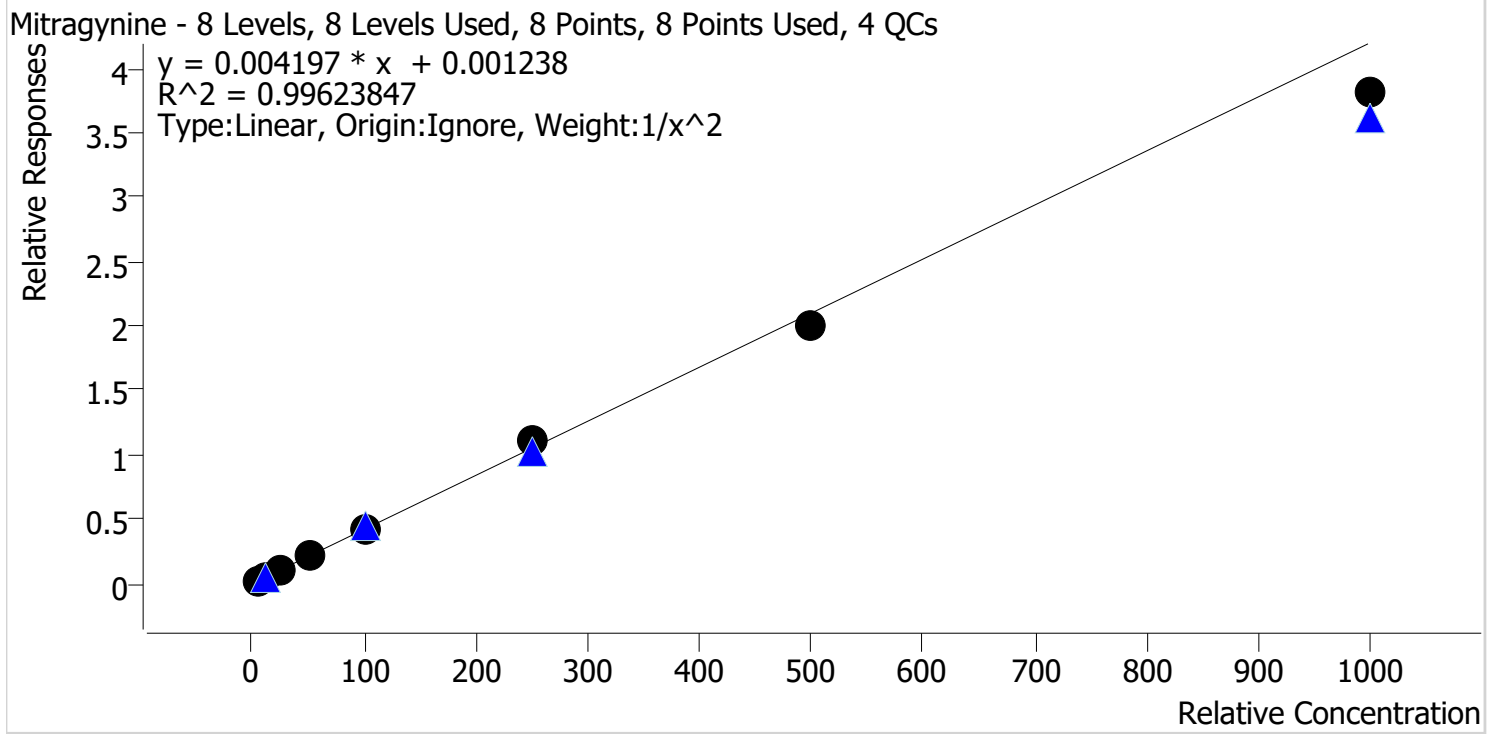
Calibrator 8 dropped due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	264.1	105.6
p1 Cal 7-500ng	7	✓	500.0	479.0	95.8
p1 Cal 8-1000ng	8	✓	1000.0	907.9	90.8

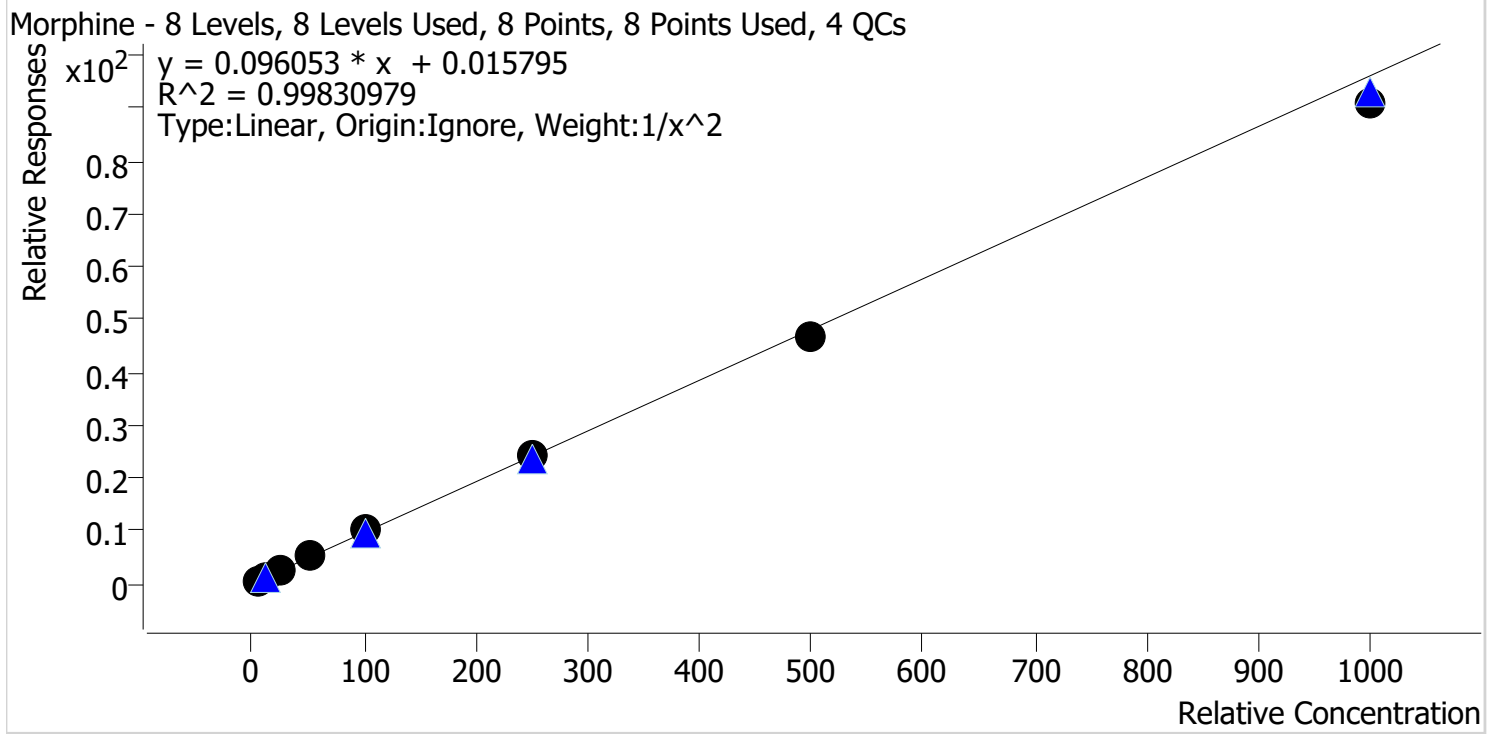


SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



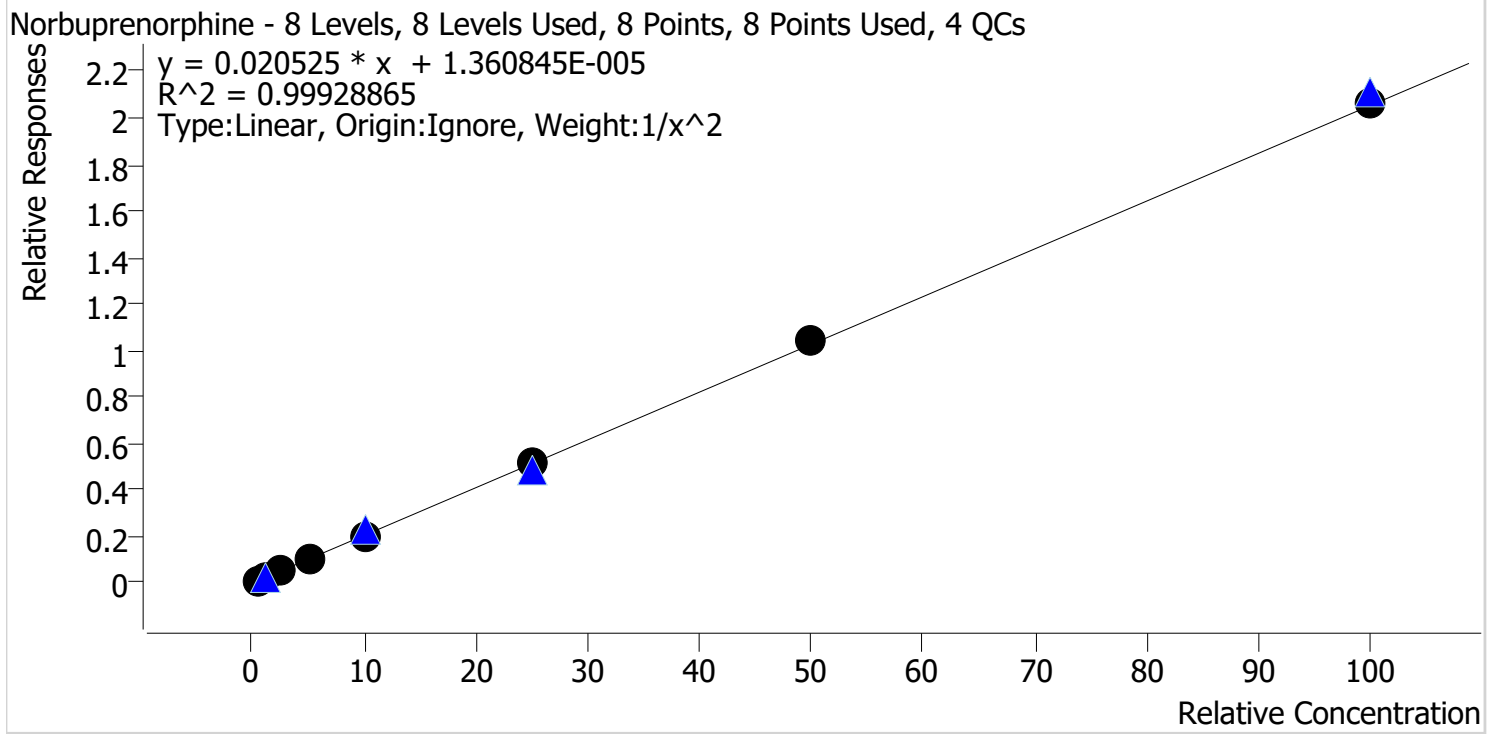
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	488.9	97.8
p1 Cal 8-1000ng	8	✓	1000.0	947.1	94.7

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.7
p1 Cal 2-10ng	2	✓	1.0	1.0	95.8
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.2
p1 Cal 4-50ng	4	✓	5.0	5.0	100.1
p1 Cal 5-100ng	5	✓	10.0	9.7	97.4
p1 Cal 6-250ng	6	✓	25.0	25.0	99.8
p1 Cal 7-500ng	7	✓	50.0	51.1	102.2
p1 Cal 8-1000ng	8	✓	100.0	100.7	100.7

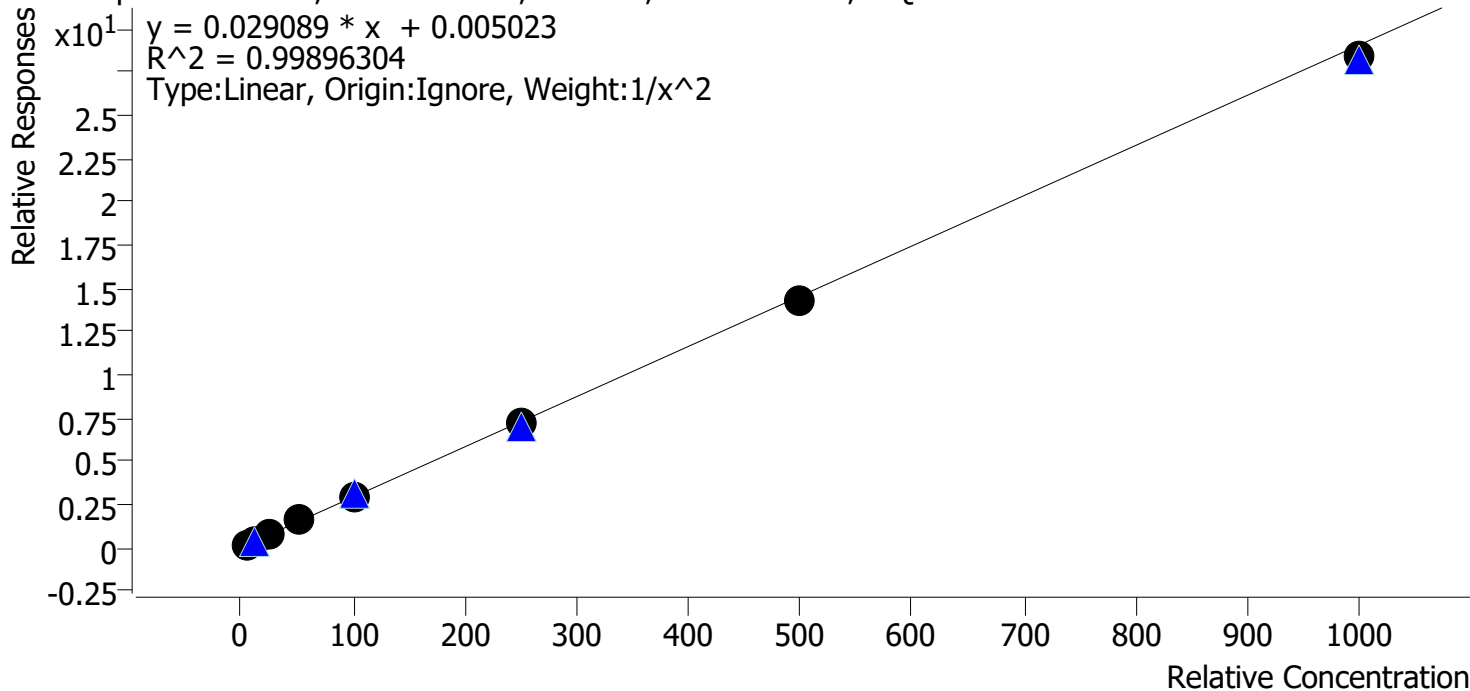
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5

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



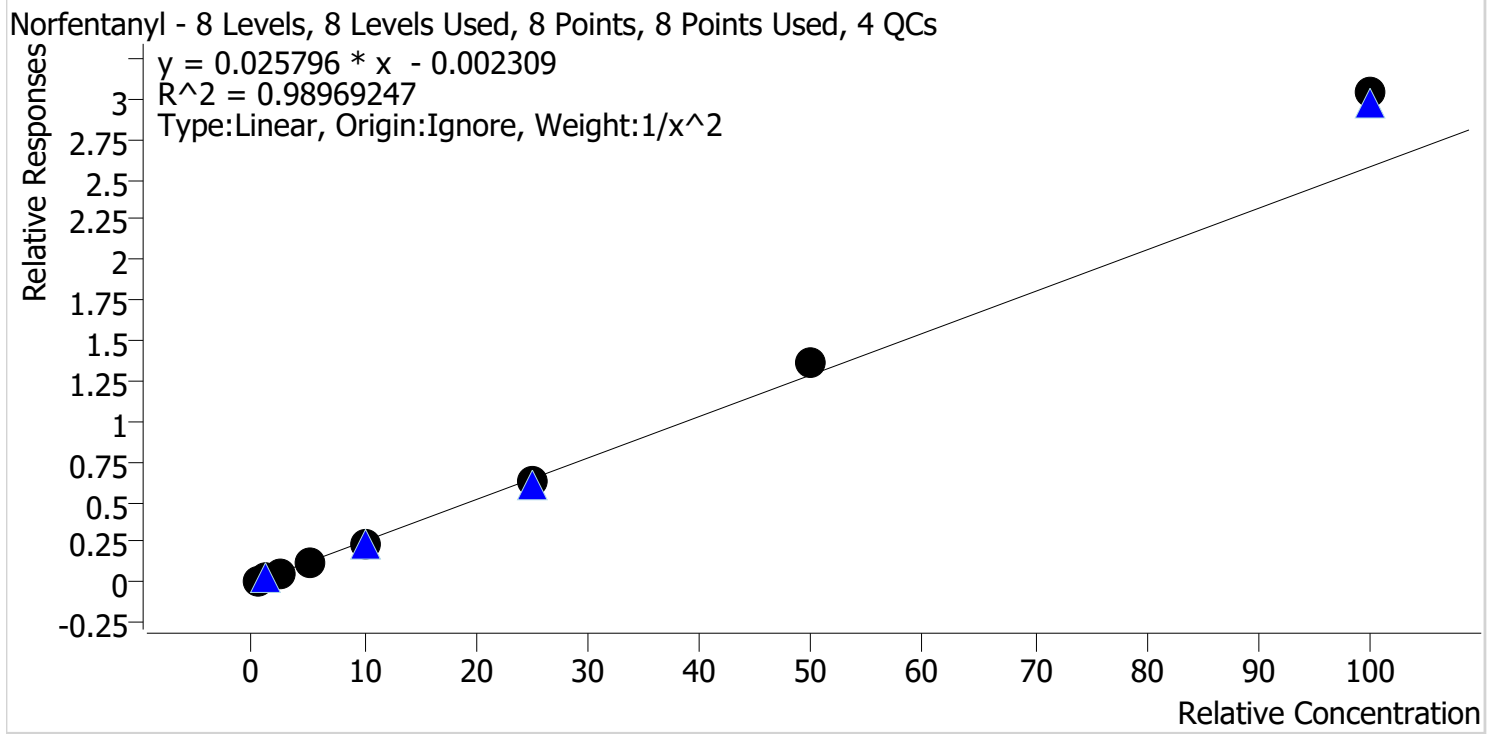
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	487.7	97.5
p1 Cal 8-1000ng	8	✓	1000.0	977.0	97.7

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



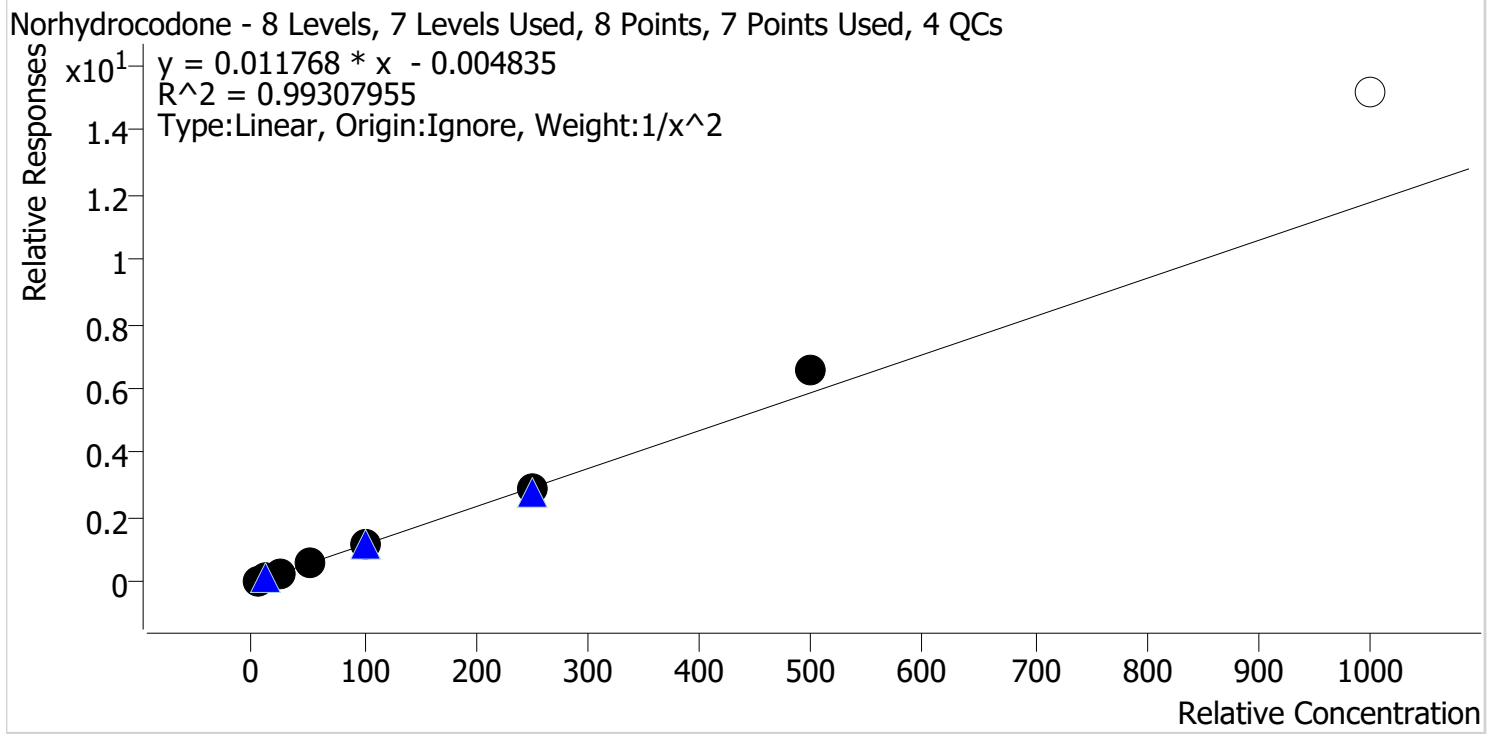
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.4
p1 Cal 2-10ng	2	✓	1.0	1.0	96.4
p1 Cal 3 -25ng	3	✓	2.5	2.3	90.9
p1 Cal 4-50ng	4	✓	5.0	4.8	95.1
p1 Cal 5-100ng	5	✓	10.0	9.3	93.5
p1 Cal 6-250ng	6	✓	25.0	24.0	96.1
p1 Cal 7-500ng	7	✓	50.0	52.9	105.9
p1 Cal 8-1000ng	8	✓	100.0	117.8	117.8

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.1
p1 Cal 2-10ng	2	✓	10.0	8.9	89.4
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	554.5	110.9
p1 Cal 8-1000ng	8	x	1000.0	1288.7	128.9

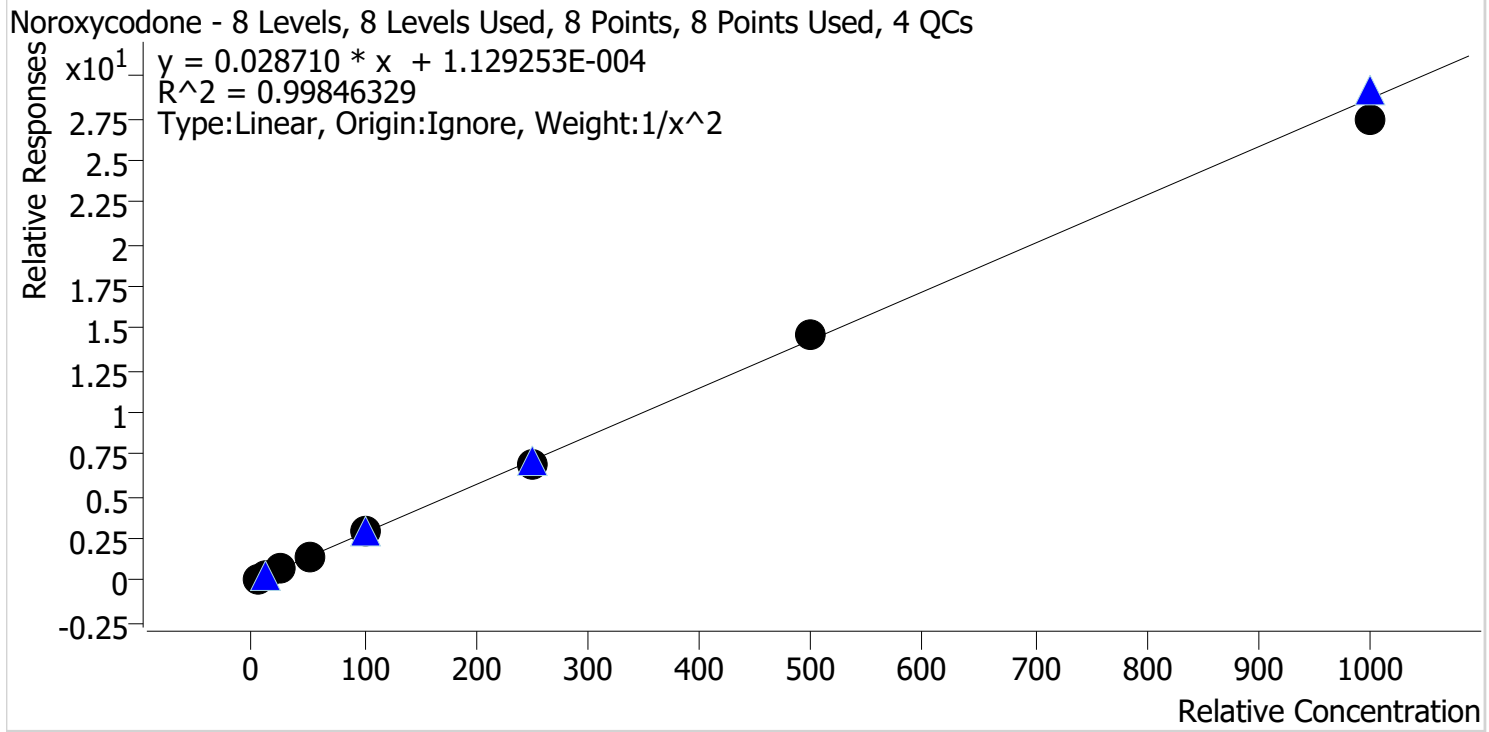
Calibrator 8 dropped due to not meeting accuracy requirement

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	242.2	96.9
p1 Cal 7-500ng	7	✓	500.0	512.5	102.5
p1 Cal 8-1000ng	8	✓	1000.0	953.4	95.3

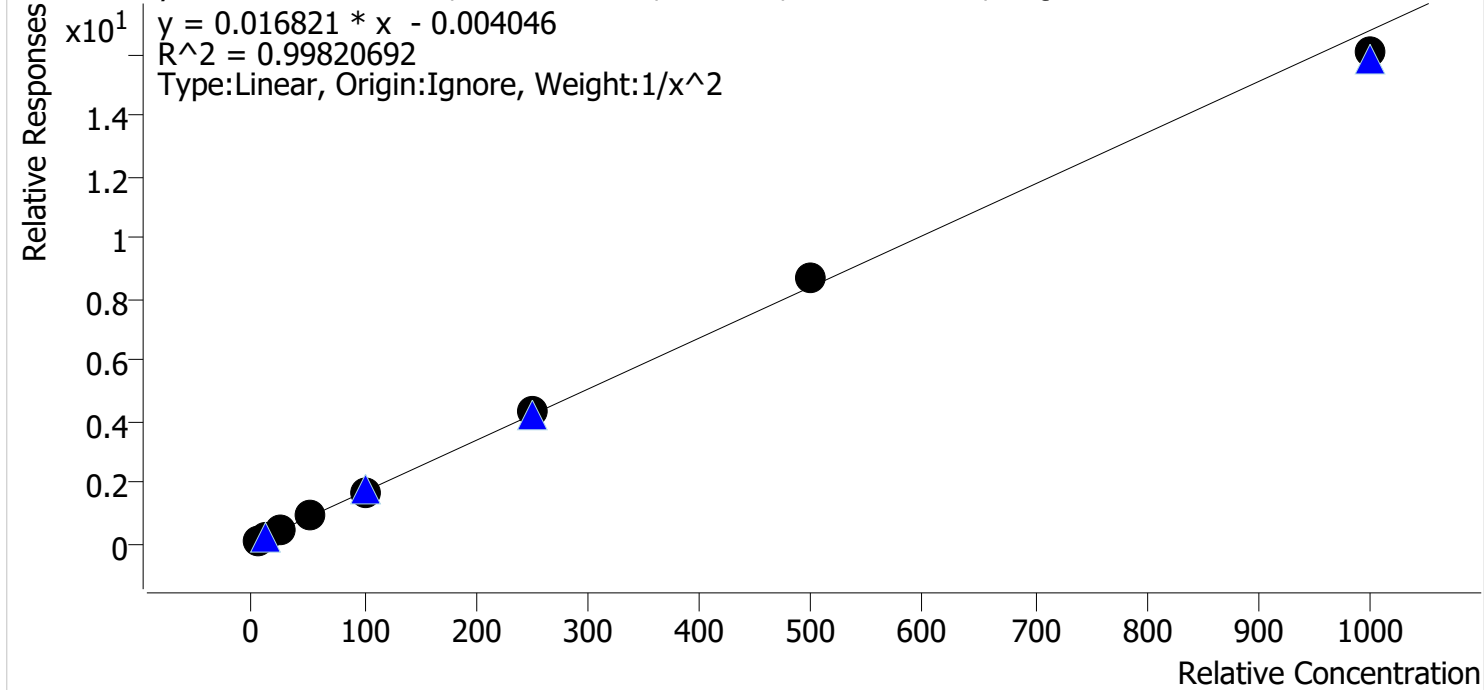
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	516.9	103.4
p1 Cal 8-1000ng	8	✓	1000.0	957.3	95.7

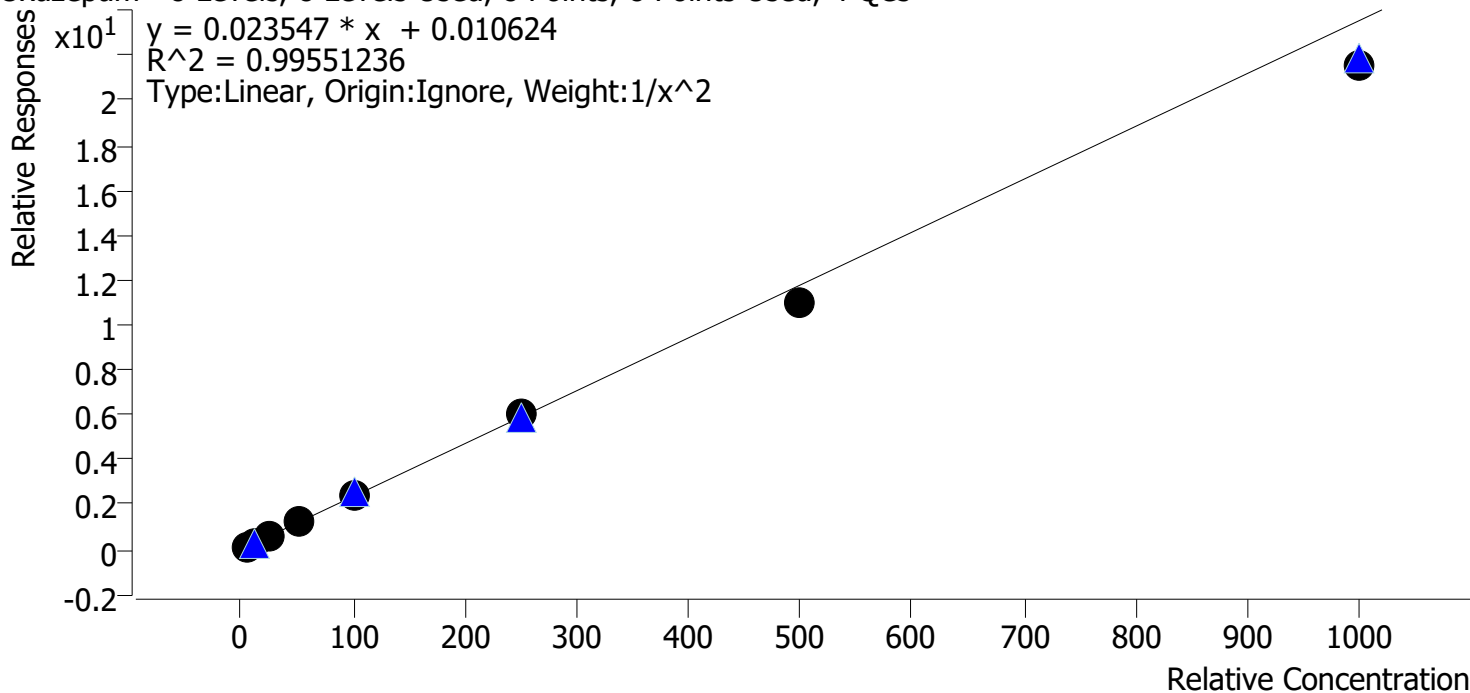
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam Internal Standard Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	257.3	102.9
p1 Cal 7-500ng	7	✓	500.0	463.6	92.7
p1 Cal 8-1000ng	8	✓	1000.0	913.6	91.4



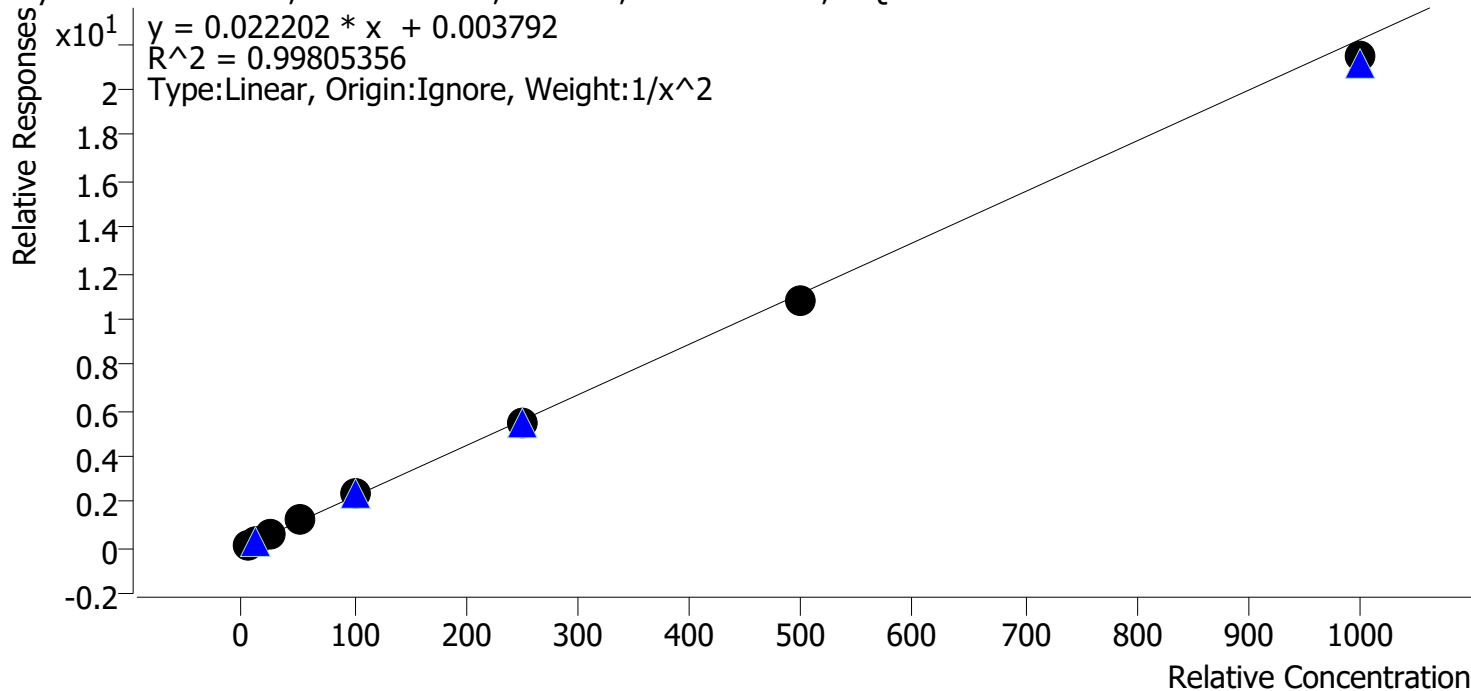
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



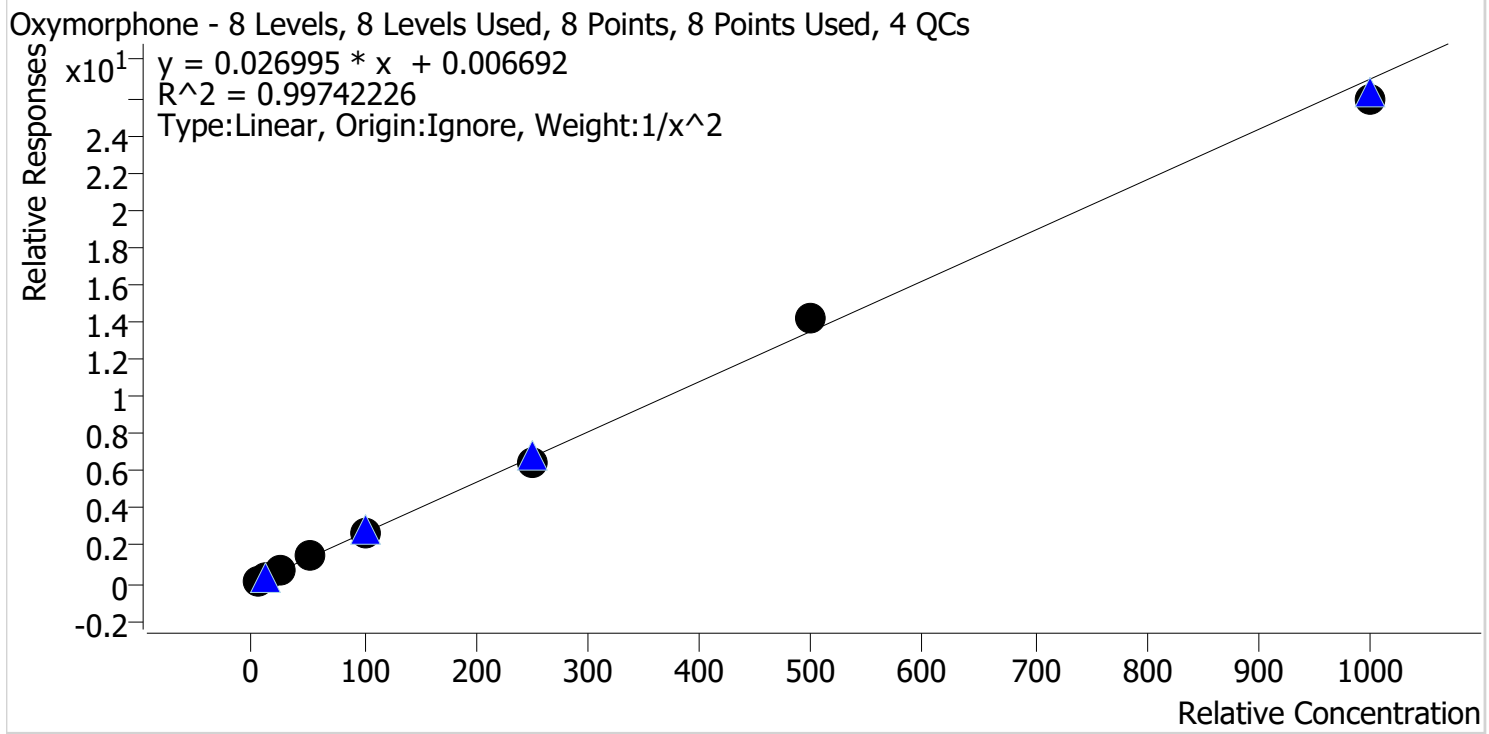
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	484.1	96.8
p1 Cal 8-1000ng	8	✓	1000.0	966.3	96.6

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



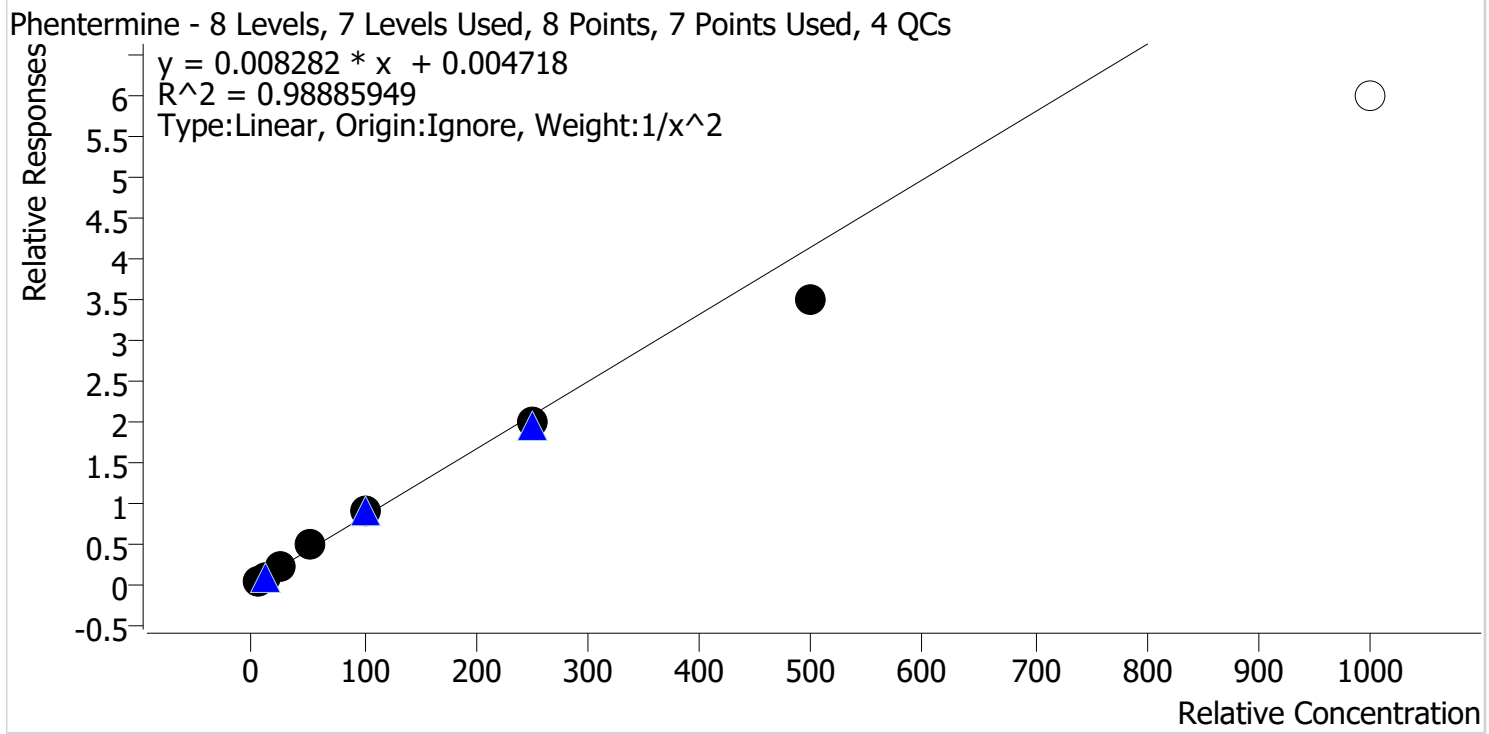
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	240.7	96.3
p1 Cal 7-500ng	7	✓	500.0	523.4	104.7
p1 Cal 8-1000ng	8	✓	1000.0	957.3	95.7

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	56.2	112.5
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	238.2	95.3
p1 Cal 7-500ng	7	✓	500.0	421.3	84.3
p1 Cal 8-1000ng	8	✗	1000.0	724.3	72.4

Calibrator 8 dropped due to not meeting accuracy requirement

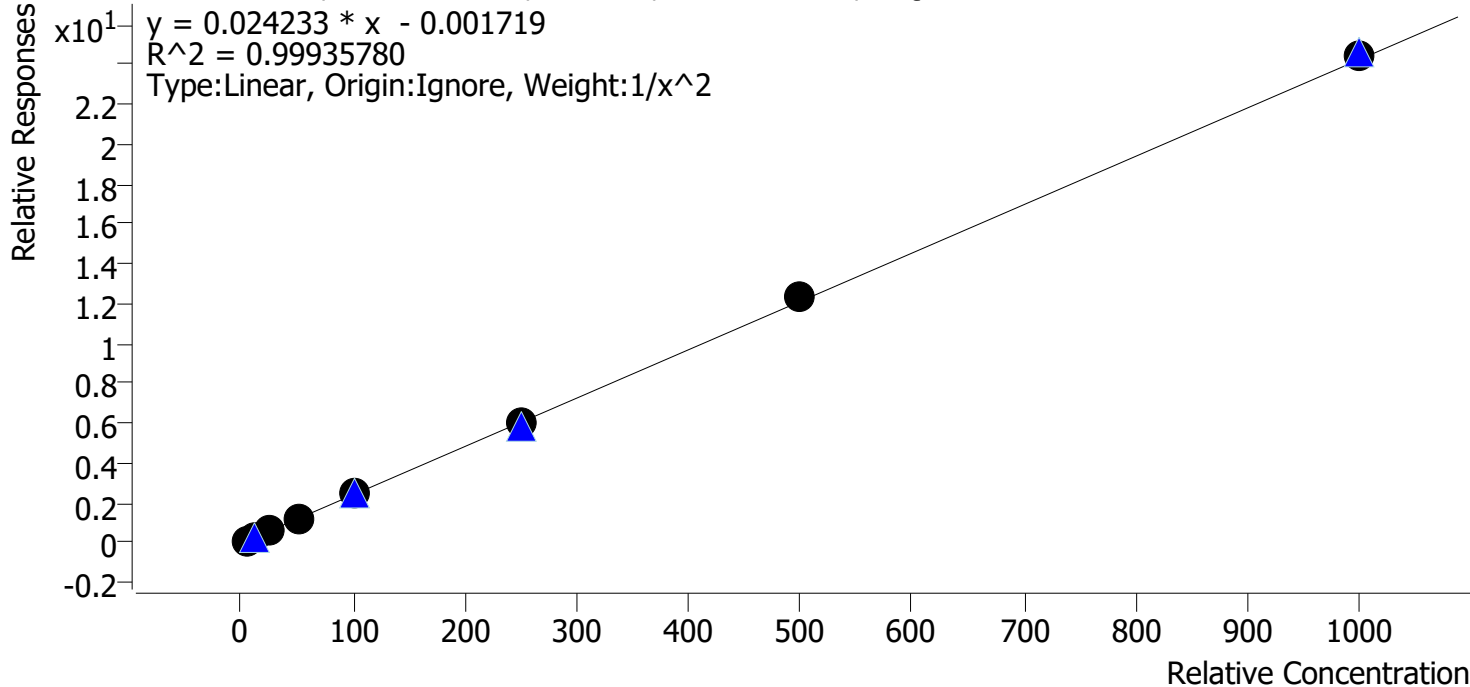
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



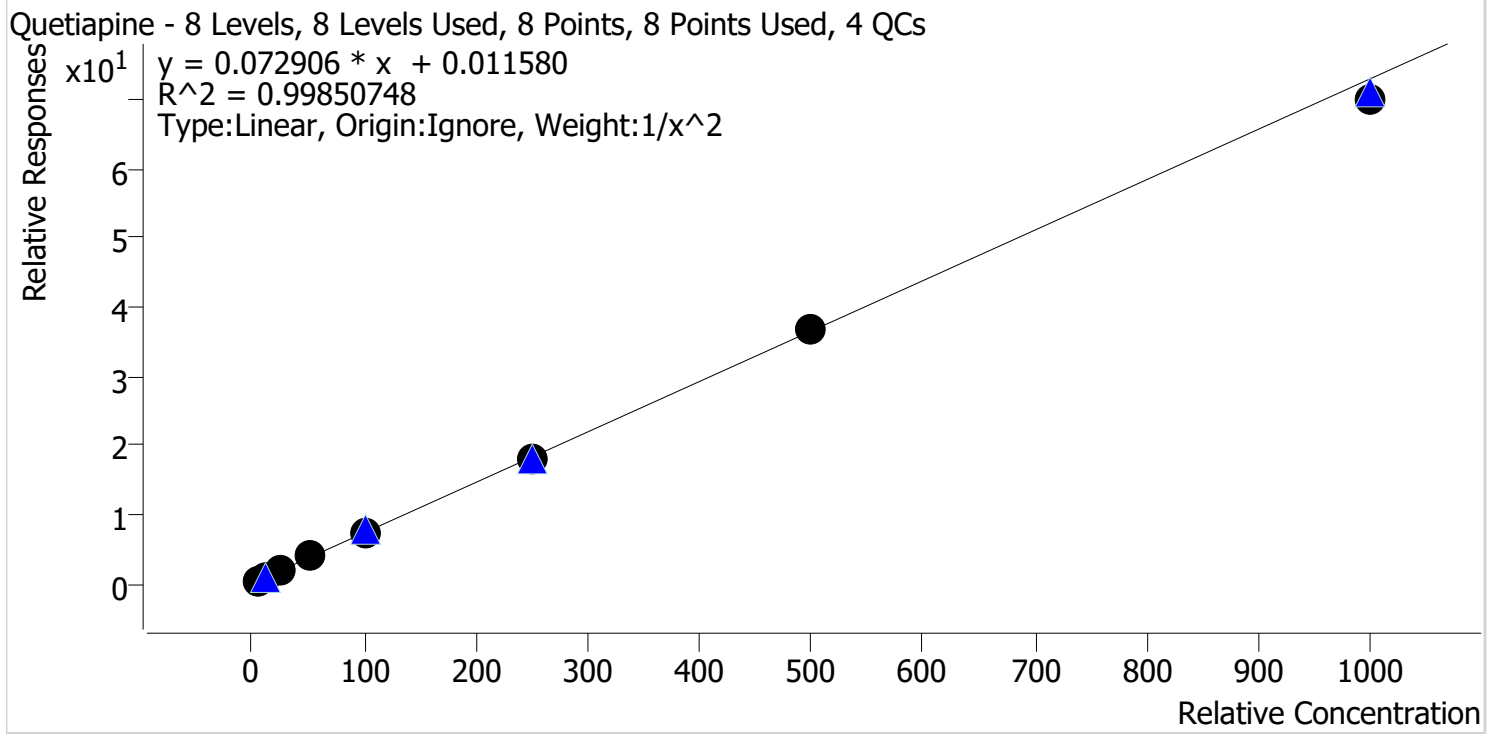
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	507.5	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1009.4	100.9

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



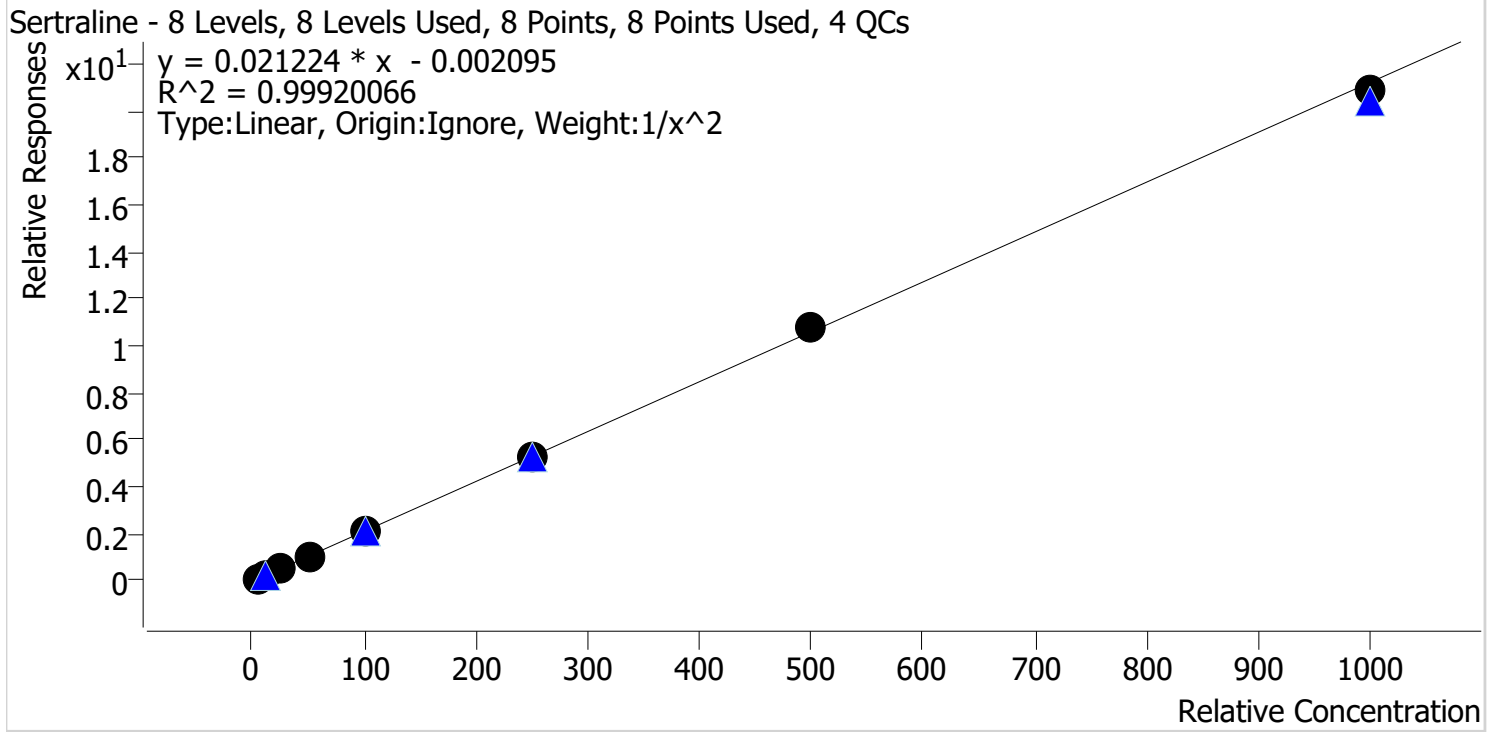
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	53.3	106.7
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	501.5	100.3
p1 Cal 8-1000ng	8	✓	1000.0	960.2	96.0

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



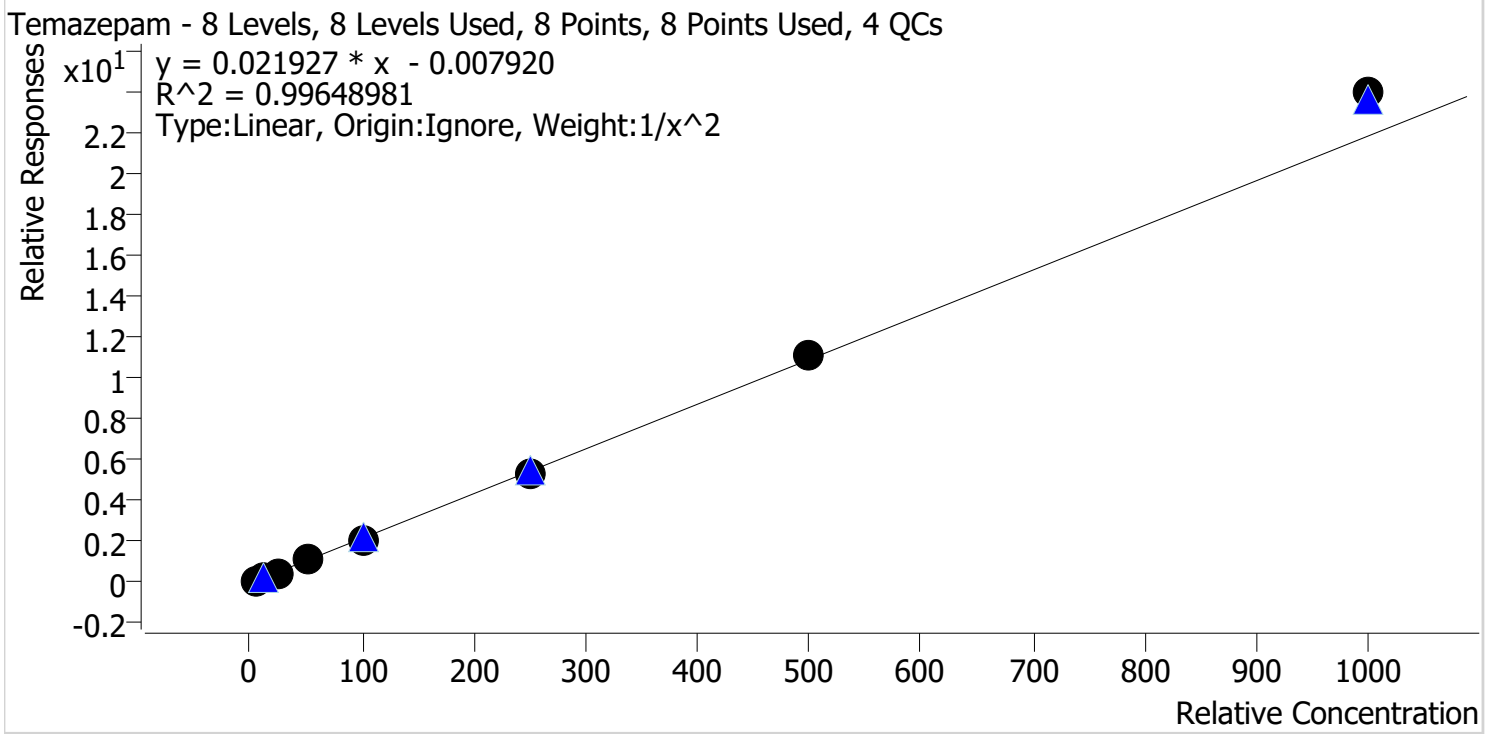
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	511.1	102.2
p1 Cal 8-1000ng	8	✓	1000.0	983.5	98.4

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



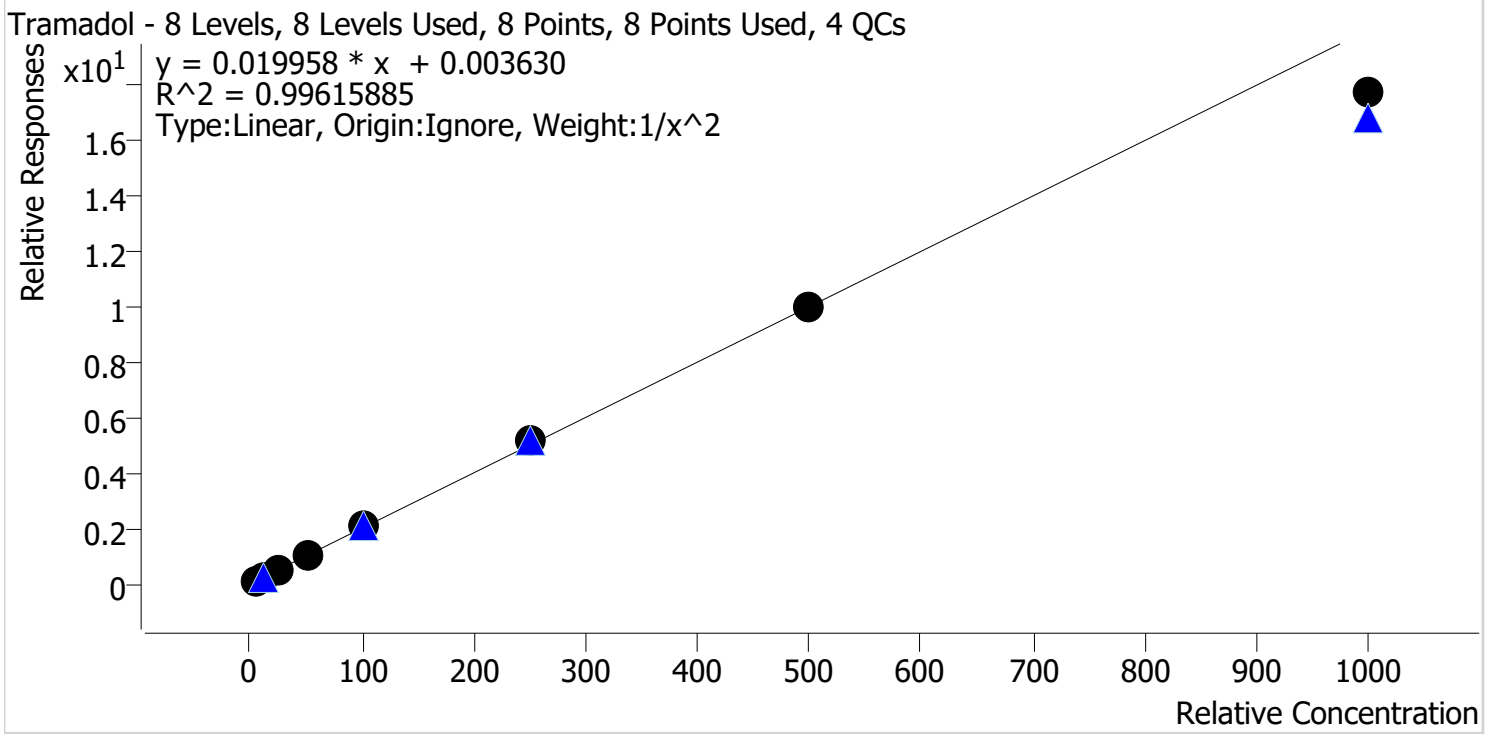
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.7
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	510.1	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1097.1	109.7

SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	53.4	106.9
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	258.6	103.4
p1 Cal 7-500ng	7	✓	500.0	498.1	99.6
p1 Cal 8-1000ng	8	✓	1000.0	886.8	88.7

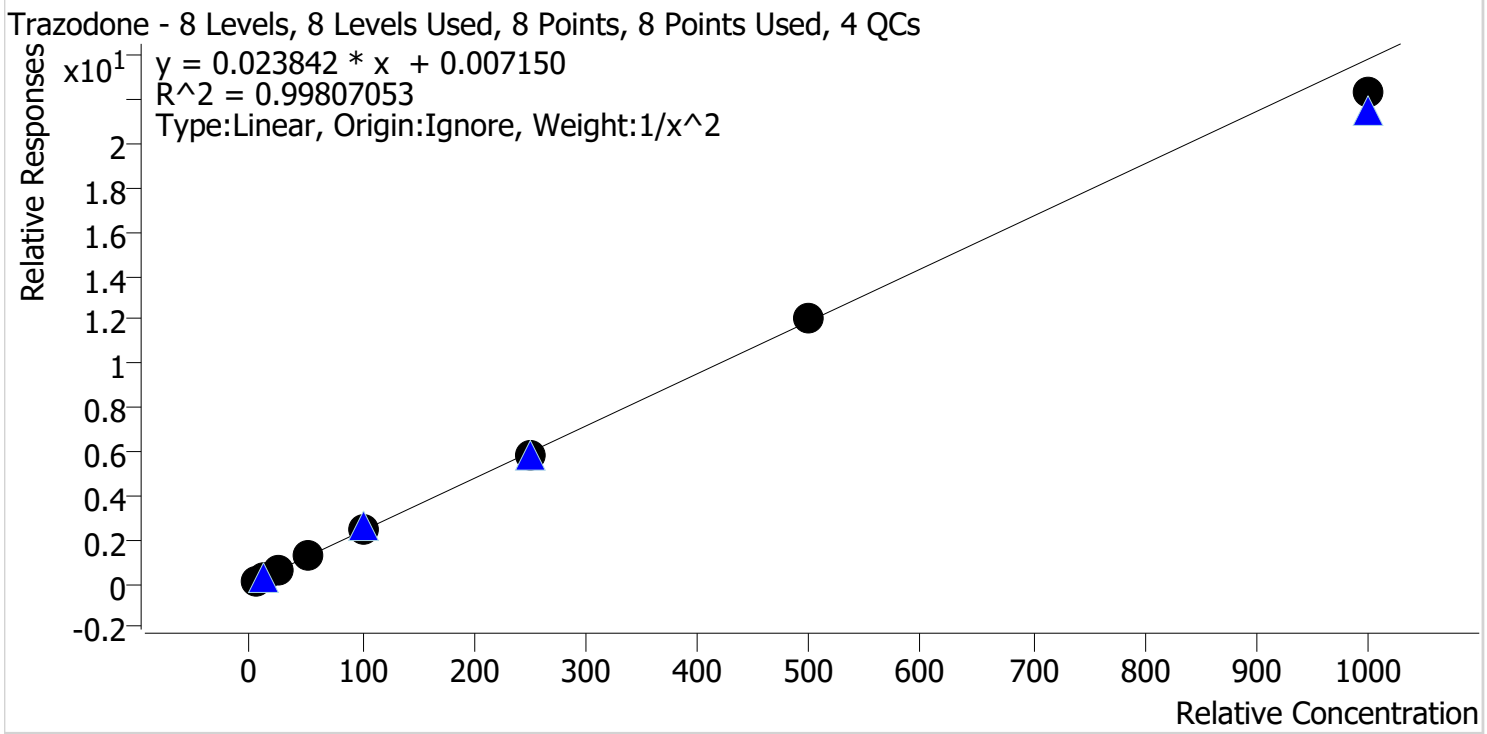


SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	53.5	107.1
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	245.0	98.0
p1 Cal 7-500ng	7	✓	500.0	508.7	101.7
p1 Cal 8-1000ng	8	✓	1000.0	936.1	93.6

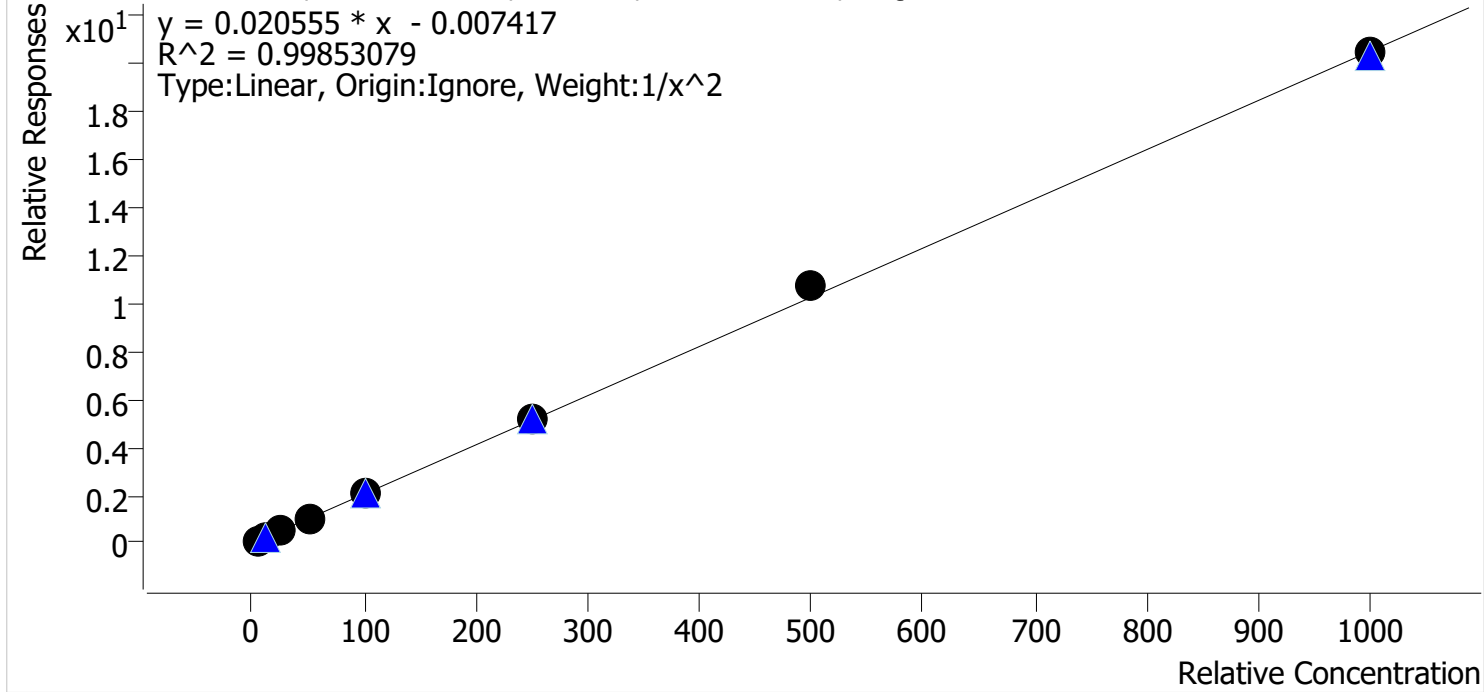
SC



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	524.3	104.9
p1 Cal 8-1000ng	8	✓	1000.0	997.3	99.7

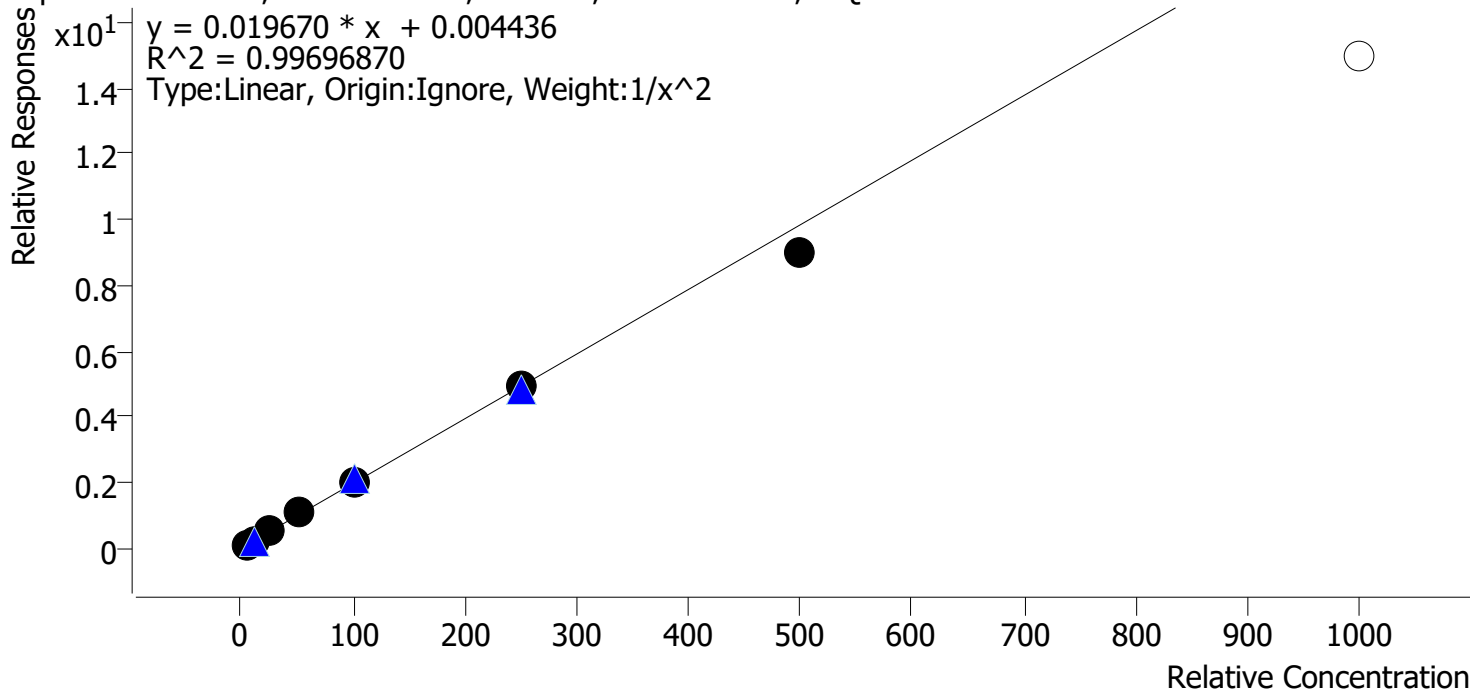
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 5/27/2021 12:01 PM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	456.9	91.4
p1 Cal 8-1000ng	8	✗	1000.0	760.3	76.0

Calibrator 8 dropped due to not meeting accuracy requirement

# AM #28 Multi-Drug Quant. Results

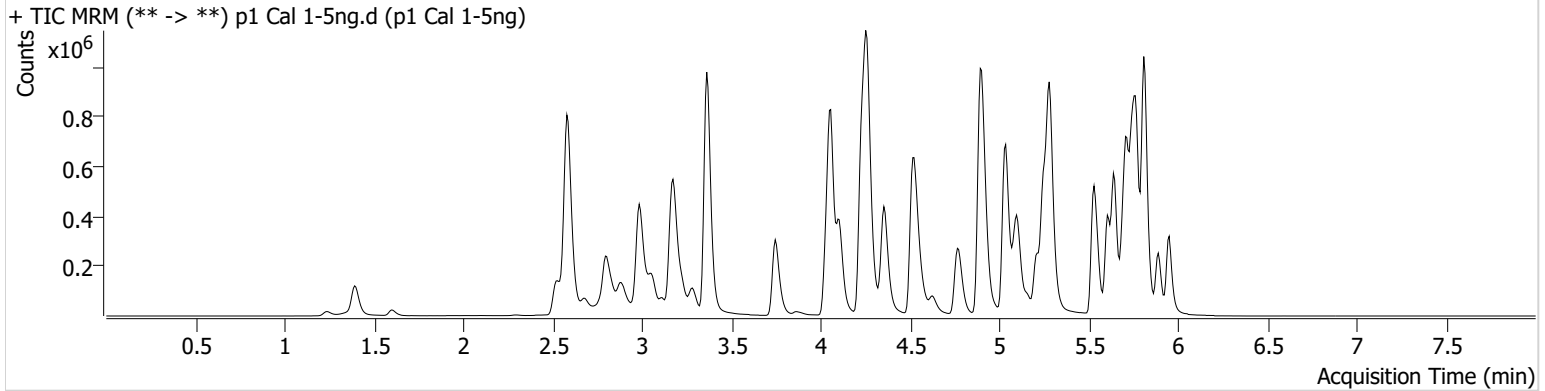
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 1-5ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-H12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/26/2021 8:30:27 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	2469	40.55	64.0	2024.18	121528	0.5112 ng/ml
7-aminoclonazepam	4.271	57955	216502.91	78.2	202.15	436526	4.9910 ng/ml
a-hydroxyalprazolam	5.692	27453	561.33	58.5	612.72	655541	4.5415 ng/ml
alpha-PPH	4.930	28212	778.11	267.7	4607.64	996892	4.8323 ng/ml
alpha-PVP	4.363	112239	307.95	54.9	185.53	996892	5.0825 ng/ml
Alprazolam	5.775	91159	518.61	112.0	388.78	655541	5.1352 ng/ml
Amphetamine	3.063	189560	2036.69	48.7	886.18	386713	4.7619 ng/ml
Benzoylecgonine	3.892	4173	25.90	7.7	1121.78	27585	6.3628 ng/ml
Buprenorphine	5.812	1724	50.32	17.8	1112.63	132261	0.4860 ng/ml
Bupropion	4.788	96336	5351.46	60.1	637.84	676961	5.0816 ng/ml
Carisoprodol	5.724	91507	29699.44	58.6	187.00	917738	5.1656 ng/ml
Citalopram	5.212	58958	498.06	40.9	445.21	539914	5.1162 ng/ml
Clonazepam	5.612	108497	3263.84	33.5	206.17	260058	4.8272 ng/ml
Clonazepam	5.549	71588	116885.43	38.0	61064.06	260058	4.9126 ng/ml
Cocaine	4.257	90587	5648.30	50.3	17152.06	1699555	5.1145 ng/ml
Codeine	2.580	12211	12012.50	98.7	77192.44	118750	4.7543 ng/ml
Cyclobenzaprine	5.615	48730	46640.26	8.5	36.32	393495	5.1429 ng/ml
Dextromethorphan	5.255	33336	2225.31	80.4	434.44	314482	5.0535 ng/ml
Dextrophan	4.105	29279	515.70	210.9	518.68	713567	5.0647 ng/ml
Diazepam	5.953	60930	1346.08	87.7	3880.97	563837	4.9739 ng/ml
Dihydrocodeine	2.552	30521	1258.91	61.8	150.65	349067	4.8210 ng/ml
Diphenhydramine	5.289	147334	207.98	33.7	279.24	1784327	5.1032 ng/ml
Doxylamine	4.536	214380	775.35	97.8	2193.50	1871167	5.0084 ng/ml
EDDP	5.254	95781	239.42	40.7	31195.20	930756	5.1588 ng/ml
Etizolam	5.813	58987	104439.06	24.4	31904.11	260058	5.2192 ng/ml
Fentanyl	5.103	4992	68.20	68.7	62.67	478459	0.5100 ng/ml
Flualprazolam	5.698	44970	1143.58	96.9	5655.95	655541	4.9901 ng/ml
Fluoxetine	5.700	63638	220.95	9.8	185.15	506870	5.0495 ng/ml
Hydrocodone	3.012	45080	1282.59	38.3	304.37	1050228	4.8302 ng/ml
Hydromorphone	1.601	40045	146810.95	79.0	850.53	11404	4.9052 ng/ml
Ketamine	4.051	89699	264.36	37.0	218.05	832575	5.0009 ng/ml
Lamotrigine	4.280	9588	515.08	74.4	414.31	832575	4.8345 ng/ml
Levetiracetam	2.683	42524	684.55	165.0	286.28	2133589	5.1556 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	103389	558.21	57.0	84.88	260058	4.8491 ng/ml
MDA	3.196	136277	798.07	24.9	423.48	701726	4.7625 ng/ml
MDMA	3.290	75609	5272.95	79.2	475.47	143869	5.0186 ng/ml
Meprobamate	4.917	53964	61541.46	28.6	1199.18	466643	4.9217 ng/ml
Methadone	5.646	106951	12233.92	48.3	690.80	973819	5.1456 ng/ml
Methamphetamine	3.231	128150	259.82	36.2	100.83	893549	4.8160 ng/ml
Metoprolol	4.326	20697	863.50	91.8	628.07	1875507	4.9425 ng/ml
Mirtazapine	4.631	101858	4320.89	49.7	5501.92	996892	5.2270 ng/ml
Mitragynine	5.230	21645	104.28	36.2	4667.32	973819	5.0006 ng/ml
Morphine	1.247	5611	291.84	34.5	162.54	11404	4.9585 ng/ml
Norbuprenorphine	4.986	221	106.61	103.9	6.67 <b>Low</b>	21164	0.5087 ng/ml
Nordiazepam	5.900	62619	482.61	54.3	16336.39	415686	5.0060 ng/ml
Norfentanyl	4.079	18716	337.11	33.7	5.11 <b>Low</b>	1678372	0.5218 ng/ml
Norhydrocodone	3.059	7737	83.05	40.9	64.07	134269	5.3072 ng/ml
Noroxycodone	2.903	49425	589.50	41.7	164.08	343283	5.0110 ng/ml
O-desmethyl-tramadol	3.369	194842	424.75	6.9	171.37	2385716	5.0958 ng/ml
Oxazepam	5.749	117189	147.70	72.4	56.13	921945	4.9471 ng/ml
Oxycodone	2.827	94097	695.48	27.0	328.00	820685	4.9935 ng/ml
Oxymorphone	1.398	48731	529.10	42.7	526.23	337905	5.0944 ng/ml
Phentermine	3.783	37645	76.65	4.8	18.13	838343	4.8521 ng/ml
Promethazine	5.532	105868	861.56	27.7	285.12	872892	5.0759 ng/ml
Pseudoephedrine	2.596	221890	970.15	16.5	3551.34	2133589	5.1541 ng/ml
Quetiapine	5.548	75091	838205.32	57.9	121560.06	198416	5.0321 ng/ml
Sertraline	5.769	28869	1018.49	99.3	19968.15	276565	5.0171 ng/ml
Temazepam	5.816	196221	3661.10	30.2	50.58	1880502	5.1201 ng/ml
Tramadol	4.246	191523	5159.57	3.7	33.84	1875507	4.9349 ng/ml
Trazodone	5.156	80779	182353.30	78.3	70521.03	641261	4.9837 ng/ml
Venlafaxine	5.037	162577	1239.12	38.4	124.50	1657120	5.1339 ng/ml
Zolpidem	4.921	221819	1955.70	31.6	25851.39	2181626	4.9435 ng/ml

# AM #28 Multi-Drug Quant. Results

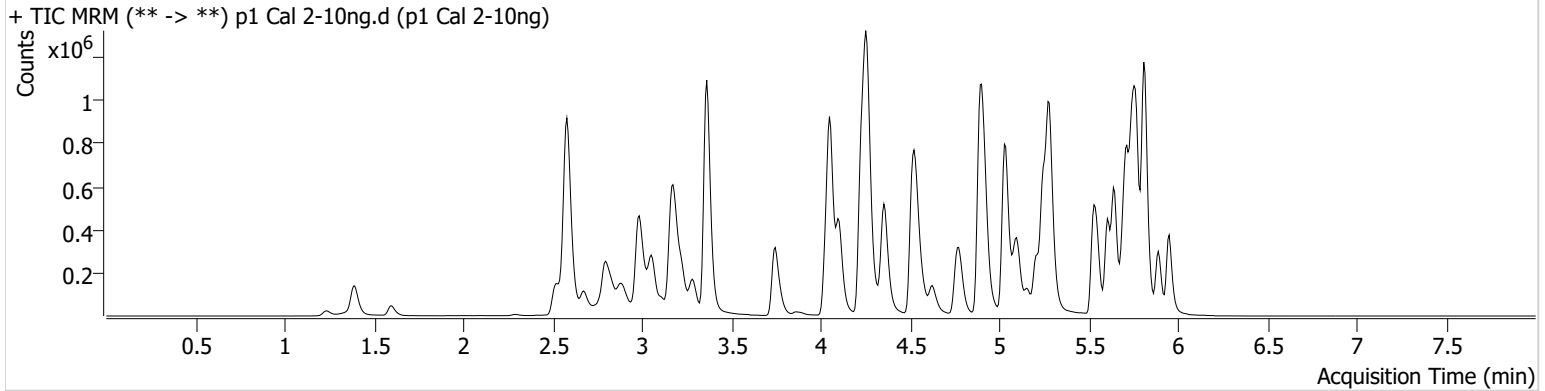
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 2-10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2-10ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-G12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/26/2021 8:41:13 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	4830	22483.31	75.9	4798.49	125296	0.9779 ng/ml
7-aminoclonazepam	4.271	115861	727.64	80.0	900213.04	435185	9.9718 ng/ml
a-hydroxyalprazolam	5.692	59678	202.56	53.6	261.16	695553	10.2661 ng/ml
alpha-PHP	4.930	58389	445.30	267.7	2534.54	1046636	10.3334 ng/ml
alpha-PVP	4.363	235682	359.02	52.4	230.03	1046636	9.8705 ng/ml
Alprazolam	5.775	183463	665.15	114.1	811.02	695553	9.5182 ng/ml
Amphetamine	3.063	398381	2558.28	49.2	565.72	413600	10.4603 ng/ml
Benzoylecgonine	3.892	8054	255.18	9.7	270.98	29247	10.0723 ng/ml
Buprenorphine	5.812	3524	165.85	12.7	309.45	126111	1.0578 ng/ml
Bupropion	4.788	195814	4075.40	61.6	257.16	709445	9.7643 ng/ml
Carisoprodol	5.724	180010	8327.54	58.4	226.29	917450	9.7048 ng/ml
Citalopram	5.212	111906	167.95	41.7	147.97	526605	9.6834 ng/ml
Clonazepam	5.605	220333	6200.92	33.3	125450.09	266137	10.2507 ng/ml
Clonazepam	5.548	147689	1415.39	36.8	122909.19	266137	10.0342 ng/ml
Cocaine	4.257	185047	412.13	52.2	52005.89	1794584	9.6942 ng/ml
Codeine	2.573	25165	5571.65	102.4	191.98	121446	10.4849 ng/ml
Cyclobenzaprine	5.615	74616	77923.93	8.8	87.05	314410	9.6517 ng/ml
Dextromethorphan	5.255	58009	5955.86	82.2	328.32	278940	9.8542 ng/ml
Dextrophan	4.105	62243	383.78	209.6	471.24	757612	9.8931 ng/ml
Diazepam	5.953	124997	310.92	86.5	985.64	577136	10.0314 ng/ml
Dihydrocodeine	2.552	62580	97.36	63.1	849.30	363343	10.3226 ng/ml
Diphenhydramine	5.282	279530	987.41	34.0	199.83	1703379	9.7935 ng/ml
Doxylamine	4.536	447454	3278.69	97.2	355.49	1984898	9.9041 ng/ml
EDDP	5.248	197165	463.65	41.9	1930.91	1021521	9.5918 ng/ml
Etizolam	5.813	117352	113280.85	25.9	58663.47	266137	9.5285 ng/ml
Fentanyl	5.103	7811	221.45	71.6	17393.35	388832	0.9607 ng/ml
Flualprazolam	5.698	91527	2393.36	92.9	89347.88	695553	9.8570 ng/ml
Fluoxetine	5.700	91404	1069.23	8.6	150.27	380448	9.7744 ng/ml
Hydrocodone	3.012	92469	169.41	37.4	89.26	1078746	10.3242 ng/ml
Hydromorphone	1.601	81511	171.98	77.6	133331.17	11619	10.1241 ng/ml
Ketamine	4.051	183444	433.67	36.1	333.91	878848	9.9331 ng/ml
Lamotrigine	4.273	19673	409.67	73.9	549.52	878848	10.2985 ng/ml
Levetiracetam	2.676	86715	487.58	160.9	909.97	2207117	9.6700 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	201552	1689.32	56.0	211.40	266137	10.4179 ng/ml
MDA	3.196	277962	4398.07	25.2	311.10	724748	10.3360 ng/ml
MDMA	3.290	157889	1143.05	77.4	848.53	152167	9.9125 ng/ml
Meprobamate	4.917	106425	480.62	27.6	634.39	463878	10.2439 ng/ml
Methadone	5.646	190844	5563.36	47.9	3049.44	902545	9.6456 ng/ml
Methamphetamine	3.231	272587	759.84	38.3	622.93	990615	10.2998 ng/ml
Metoprolol	4.319	42749	455.17	91.9	1844.14	1967646	10.1318 ng/ml
Mirtazapine	4.624	200940	7853.37	50.7	2094.21	1046636	9.4173 ng/ml
Mitragynine	5.230	38096	27974.57	39.4	158.34	902545	9.7612 ng/ml
Morphine	1.240	11458	23.39	33.3	2470.44	11619	10.1022 ng/ml
Norbuprenorphine	4.986	385	1372.74	121.6	589.30	19555	0.9584 ng/ml
Nordiazepam	5.900	125164	4037.08	58.0	672.82	425405	9.9420 ng/ml
Norfentanyl	4.079	39453	2450.35	33.9	329.85	1748438	0.9642 ng/ml
Norhydrocodone	3.059	14177	123.95	46.9	67.76	141184	8.9434 ng/ml
Noroxycodone	2.903	100228	800.67	43.7	147349.35	351899	9.9167 ng/ml
O-desmethyl-tramadol	3.369	395681	1454.68	6.8	228.31	2471918	9.7566 ng/ml
Oxazepam	5.749	229536	357.62	75.5	192.91	934850	9.9763 ng/ml
Oxycodone	2.827	189381	532.02	26.9	714.56	847344	9.8960 ng/ml
Oxymorphone	1.391	94169	2776.94	43.6	133.50	353408	9.6229 ng/ml
Phentermine	3.783	78510	191.18	4.6	22.31	878240	10.2240 ng/ml
Promethazine	5.532	165155	321.75	27.5	563.64	703193	9.7630 ng/ml
Pseudoephedrine	2.589	453816	377.99	16.3	6174.23	2207117	9.7039 ng/ml
Quetiapine	5.541	149225	159726.26	60.8	212230.46	205129	9.8194 ng/ml
Sertraline	5.769	42808	2501.79	96.3	158237.25	202510	10.0588 ng/ml
Temazepam	5.816	397362	6369.27	28.4	296.64	1905866	9.8699 ng/ml
Tramadol	4.239	406348	4309.25	3.7	54.17	1967646	10.1658 ng/ml
Trazodone	5.156	145958	109.06	79.3	2581229.41	596053	9.9709 ng/ml
Venlafaxine	5.037	331312	340.86	38.5	191.66	1736349	9.6439 ng/ml
Zolpidem	4.914	460045	28078.29	30.9	1069.01	2261463	10.1164 ng/ml

# AM #28 Multi-Drug Quant. Results

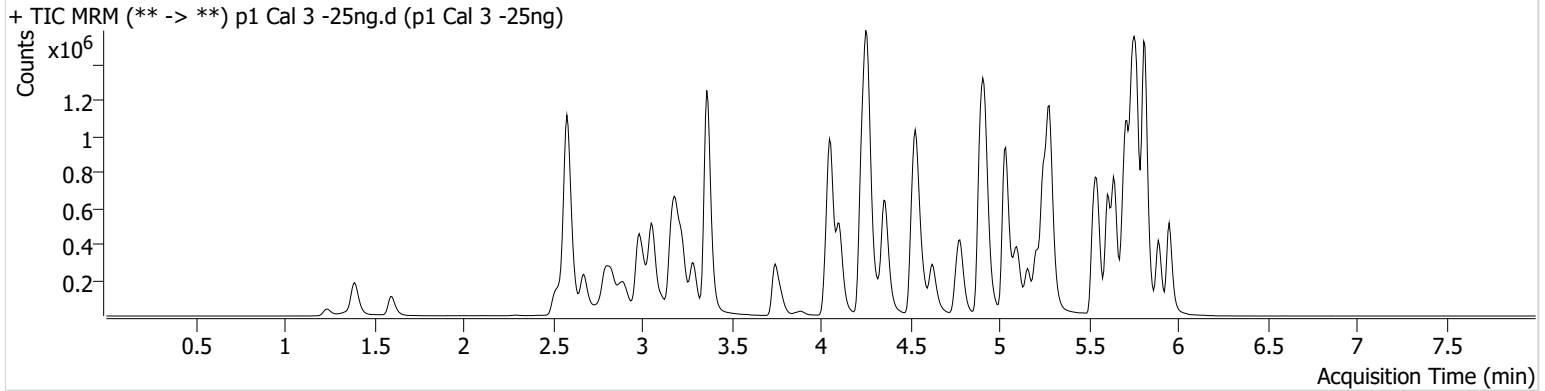
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<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>	5/26/2021 8:51:49 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	11260	933.88	69.6	51460.47	121391	2.3650 ng/ml
7-aminoclonazepam	4.271	281671	1341.64	78.2	4052.58	428091	24.5902 ng/ml
a-hydroxyalprazolam	5.692	133540	590.07	58.7	827.52	654473	25.6775 ng/ml
alpha-PHP	4.930	125466	1593.13	267.9	2288.90	965243	25.1826 ng/ml
alpha-PVP	4.363	530879	1293.20	52.7	941.01	965243	23.6836 ng/ml
Alprazolam	5.775	444993	2013.40	109.8	1541.69	654473	24.1451 ng/ml
Amphetamine	3.063	855363	7772.78	49.7	1583.37	375463	26.3015 ng/ml
Benzoylcegonine	3.892	20174	1985.10	8.3	353.77	28727	22.8316 ng/ml
Buprenorphine	5.819	7397	85.20	17.8	∞	116636	2.4190 ng/ml
Bupropion	4.788	444654	13744.13	60.8	206.18	658511	23.7468 ng/ml
Carisoprodol	5.724	416592	1276.61	56.7	1361.61	870112	22.9972 ng/ml
Citalopram	5.212	257448	458.67	41.6	468.44	481970	23.9036 ng/ml
Clonazepam	5.612	510720	19494.84	32.7	3014.43	254842	25.7829 ng/ml
Clonazepam	5.548	352840	401632.64	35.9	28799.99	254842	25.2274 ng/ml
Cocaine	4.257	425493	455.51	51.7	4783.51	1651118	23.9062 ng/ml
Codeine	2.573	58114	606.24	102.4	134292.68	116921	26.3954 ng/ml
Cyclobenzaprine	5.615	192538	1202.66	9.1	249.15	325729	23.7081 ng/ml
Dextromethorphan	5.255	133643	183939.73	82.0	80813.47	262051	24.0753 ng/ml
Dextrophan	4.105	137065	236663.23	205.7	1318546.30	685621	23.7191 ng/ml
Diazepam	5.953	298212	464.28	87.0	4547.34	559533	24.7766 ng/ml
Dihydrocodeine	2.545	143976	20221.97	63.5	76.87	346316	26.1206 ng/ml
Diphenhydramine	5.282	632425	2095340.56	33.0	6880.94	1563240	23.6263 ng/ml
Doxylamine	4.536	1018771	34579.43	97.1	30741.95	1848367	24.2895 ng/ml
EDDP	5.248	437818	11267.22	42.0	4023.68	922845	23.4365 ng/ml
Etizolam	5.813	280328	236476.02	24.5	96796.65	254842	22.7922 ng/ml
Fentanyl	5.103	20543	391.77	66.3	27693.48	395520	2.4477 ng/ml
Flualprazolam	5.698	213210	6344.79	96.8	28812.01	654473	24.8606 ng/ml
Fluoxetine	5.700	233271	448.79	8.6	229.99	392825	24.3390 ng/ml
Hydrocodone	3.012	215068	2608.94	38.8	116.43	1061388	25.3330 ng/ml
Hydromorphone	1.601	191517	408935.51	77.7	876862.16	11144	25.2731 ng/ml
Ketamine	4.051	422685	375.17	37.2	1302.00	828294	24.6605 ng/ml
Lamotrigine	4.273	44799	1178.34	78.1	53145.14	828294	26.2347 ng/ml
Levetiracetam	2.676	201736	1365.08	167.2	3429.71	2068025	23.2569 ng/ml



SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	451173	1805.92	57.5	755.74	254842	26.0993 ng/ml
MDA	3.196	615571	2444.74	24.8	998.40	654509	26.7328 ng/ml
MDMA	3.290	350861	4844.44	78.1	2495.41	135385	24.7641 ng/ml
Meprobamate	4.917	246577	22004.59	27.4	1949.45	452183	25.0192 ng/ml
Methadone	5.646	436897	749.40	49.3	1328.53	841752	23.2656 ng/ml
Methamphetamine	3.231	585295	1291.15	37.5	258.53	903781	25.8011 ng/ml
Metoprolol	4.319	97376	189.79	91.3	1475.58	1888025	24.6210 ng/ml
Mirtazapine	4.624	458311	9410.43	49.4	765.60	965243	22.6129 ng/ml
Mitragynine	5.230	91017	225012.81	40.5	420.20	841752	25.4662 ng/ml
Morphine	1.240	26366	6974.75	32.4	469.39	11144	24.4673 ng/ml
Norbuprenorphine	4.986	953	624.17	105.6	555.51	18157	2.5557 ng/ml
Nordiazepam	5.900	297970	72969.16	55.7	1038.05	416240	24.4368 ng/ml
Norfentanyl	4.079	92351	5786.45	33.1	487.68	1640055	2.2724 ng/ml
Norhydrocodone	3.059	34451	111.65	40.7	100.07	124661	23.8939 ng/ml
Noroxycodone	2.903	229793	471.80	43.4	448.49	327164	24.4609 ng/ml
O-desmethyl-tramadol	3.369	928055	32991.29	6.9	352.48	2364245	23.5767 ng/ml
Oxazepam	5.749	529374	2723.50	73.4	350.75	878225	25.1481 ng/ml
Oxycodone	2.827	448542	867.94	27.4	693.18	811255	24.7325 ng/ml
Oxymorphone	1.391	217160	957.86	44.9	∞	330735	24.0753 ng/ml
Phentermine	3.783	170779	235.43	4.5	340.52	785574	25.6785 ng/ml
Promethazine	5.532	414736	27485.69	27.1	358.09	709293	24.2003 ng/ml
Pseudoephedrine	2.589	1044540	562.90	16.5	9499.59	2068025	23.1129 ng/ml
Quetiapine	5.548	343881	7331.13	57.8	229.78	191995	24.4084 ng/ml
Sertraline	5.769	107035	695.19	99.8	175109.90	212120	23.8740 ng/ml
Temazepam	5.816	903250	9507.54	28.8	4163.45	1825122	22.9319 ng/ml
Tramadol	4.246	931671	684.03	3.7	309.95	1888025	24.5437 ng/ml
Trazodone	5.156	354385	738519.85	81.1	732890.15	594989	24.6821 ng/ml
Venlafaxine	5.037	746507	926.09	37.7	1582.55	1559215	23.6535 ng/ml
Zolpidem	4.921	1087864	8039.94	30.6	31368.84	2211366	24.7838 ng/ml

# AM #28 Multi-Drug Quant. Results

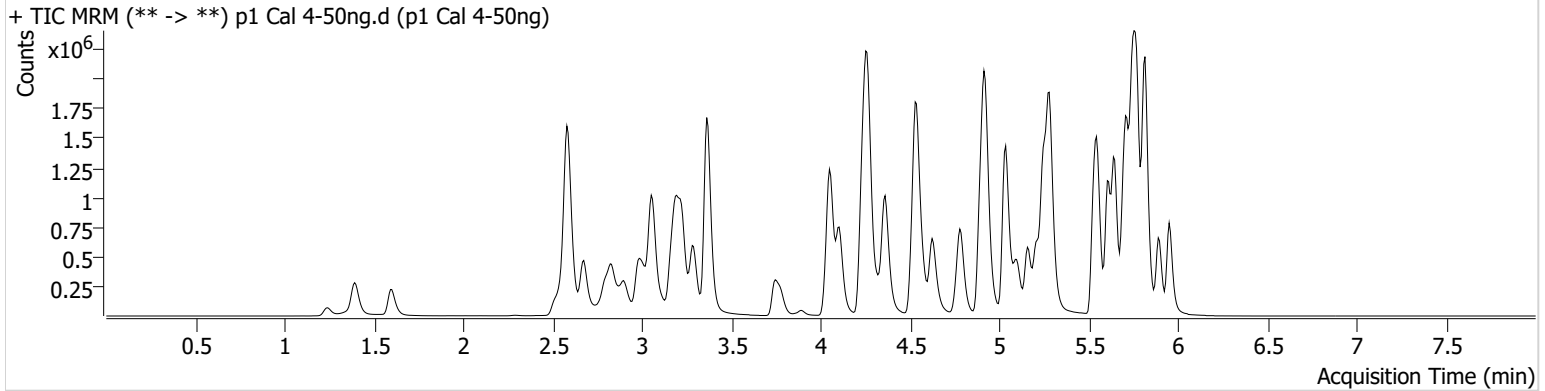
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 4-50ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 4-50ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-E12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/26/2021 9:02:24 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	23975	1558.96	72.0	242.89	122063	5.0177 ng/ml
7-aminoclonazepam	4.271	583487	28583.01	77.9	15697.87	411481	52.9528 ng/ml
a-hydroxyalprazolam	5.692	263596	479.28	57.1	392.89	622379	54.2847 ng/ml
alpha-PHP	4.930	284821	273.71	264.3	4838.61	981179	57.2640 ng/ml
alpha-PVP	4.363	1162112	849.00	52.6	743.37	981179	50.6625 ng/ml
Alprazolam	5.775	912277	∞	111.3	∞	622379	51.7659 ng/ml
Amphetamine	3.056	1845813	13963.13	49.7	578.94	383512	56.8377 ng/ml
Benzoylecgonine	3.892	43999	452.75	7.4	170.92	28685	47.6889 ng/ml
Buprenorphine	5.819	17786	1190.89	12.9	6281.18	129592	5.2515 ng/ml
Bupropion	4.788	994302	968.28	60.9	2453.98	661527	52.7394 ng/ml
Carisoprodol	5.724	827200	2731270.08	57.9	3456.61	801219	49.0411 ng/ml
Citalopram	5.212	619696	697.44	41.2	55353.69	540001	51.0231 ng/ml
Clonazepam	5.612	1040581	815.03	32.3	1373.48	241122	56.3082 ng/ml
Clonazepam	5.549	730344	107029.77	37.2	585633.63	241122	55.3423 ng/ml
Cocaine	4.257	912866	45204.31	51.0	697.85	1650600	51.0597 ng/ml
Codeine	2.566	121881	4744.49	101.2	3712.50	115245	57.1684 ng/ml
Cyclobenzaprine	5.615	482758	40258.19	9.1	521.73	384429	50.1172 ng/ml
Dextromethorphan	5.255	337992	255.92	79.3	236071.68	304468	52.3319 ng/ml
Dextrophan	4.105	309479	628.70	207.9	796.81	704341	51.8360 ng/ml
Diazepam	5.953	614649	6605.05	86.8	838.22	543695	52.6249 ng/ml
Dihydrocodeine	2.545	300564	19952.98	67.2	10304.72	348471	55.1074 ng/ml
Diphenhydramine	5.282	1538399	23976.70	33.3	33140.54	1771261	50.3174 ng/ml
Doxylamine	4.536	2293676	28414.64	97.2	33714.34	1896978	53.3454 ng/ml
EDDP	5.248	1039904	736.97	41.3	9306.08	1006505	50.9263 ng/ml
Etizolam	5.813	579885	15018.07	25.0	8148.65	241122	49.0542 ng/ml
Fentanyl	5.103	50470	4823.77	67.3	476.94	461682	5.1263 ng/ml
Flualprazolam	5.698	438065	13647.68	98.0	28093.27	622379	54.0729 ng/ml
Fluoxetine	5.700	584993	1284.50	8.5	74669.03	451016	53.3065 ng/ml
Hydrocodone	3.012	456994	230.48	39.0	161.61	1015202	57.1098 ng/ml
Hydromorphone	1.601	401665	2166.35	77.3	1742.30	10821	54.9651 ng/ml
Ketamine	4.051	894853	13897.84	37.3	2839.96	827183	52.5698 ng/ml
Lamotrigine	4.273	92949	2041.11	80.1	6443.84	827183	55.5333 ng/ml
Levetiracetam	2.676	438329	3304.59	165.2	13206.48	2050237	50.3657 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	850274	7996.59	55.9	704.78	241122	53.2793 ng/ml
MDA	3.196	1302424	6400.42	25.0	1981.74	660057	57.1339 ng/ml
MDMA	3.290	772644	3724.23	80.3	4452.26	143236	51.5494 ng/ml
Meprobamate	4.917	489577	17760.99	27.8	360.20	421984	53.7800 ng/ml
Methadone	5.646	1127935	1236.35	47.4	2793.83	971872	51.6738 ng/ml
Methamphetamine	3.231	1292574	1122.45	38.5	2040.84	925919	56.9499 ng/ml
Metoprolol	4.326	208581	227417.34	92.6	12137.11	1886119	53.2656 ng/ml
Mirtazapine	4.624	1084844	42455.33	50.0	4164.99	981179	52.0453 ng/ml
Mitragynine	5.230	220283	797.97	39.2	297.60	971872	53.7055 ng/ml
Morphine	1.240	55568	360.22	32.8	2006.31	10821	53.2992 ng/ml
Norbuprenorphine	4.986	2151	2417.36	98.8	2853.79	20936	5.0046 ng/ml
Nordiazepam	5.900	622909	22143.49	57.7	7209.09	406182	52.5477 ng/ml
Norfentanyl	4.079	198564	116188.64	34.3	236.28	1650646	4.7528 ng/ml
Norhydrocodone	3.059	66057	117.60	42.7	262.30	114561	49.4077 ng/ml
Noroxycodone	2.903	483102	4143.83	43.0	286.58	318268	52.8669 ng/ml
O-desmethyl-tramadol	3.369	2021473	5760.29	6.8	1278.50	2334476	51.7192 ng/ml
Oxazepam	5.749	1019587	400.87	74.6	2103.01	790709	54.3107 ng/ml
Oxycodone	2.827	957989	2295.29	27.2	3053.58	795028	54.1029 ng/ml
Oxymorphone	1.391	460666	640.80	43.7	3102.36	317954	53.4235 ng/ml
Phentermine	3.783	383575	1159.22	4.5	74.39	815291	56.2358 ng/ml
Promethazine	5.532	1060729	4904.62	27.7	196.54	850621	51.5308 ng/ml
Pseudoephedrine	2.589	2260918	23557.90	16.3	21370.32	2050237	49.8734 ng/ml
Quetiapine	5.548	805697	296.06	59.0	310.53	206536	53.3486 ng/ml
Sertraline	5.769	266204	2906.70	98.3	717.60	248423	50.5886 ng/ml
Temazepam	5.816	1842066	20364.84	28.6	2295.11	1690437	50.0588 ng/ml
Tramadol	4.239	2018436	2031.68	3.6	277.23	1886119	53.4396 ng/ml
Trazodone	5.156	834365	920.56	81.2	1350531.09	649965	53.5429 ng/ml
Venlafaxine	5.037	1671237	984.54	37.8	836.96	1611367	50.8194 ng/ml
Zolpidem	4.921	2306090	11783.61	31.1	3415.19	2183485	53.4671 ng/ml

# AM #28 Multi-Drug Quant. Results

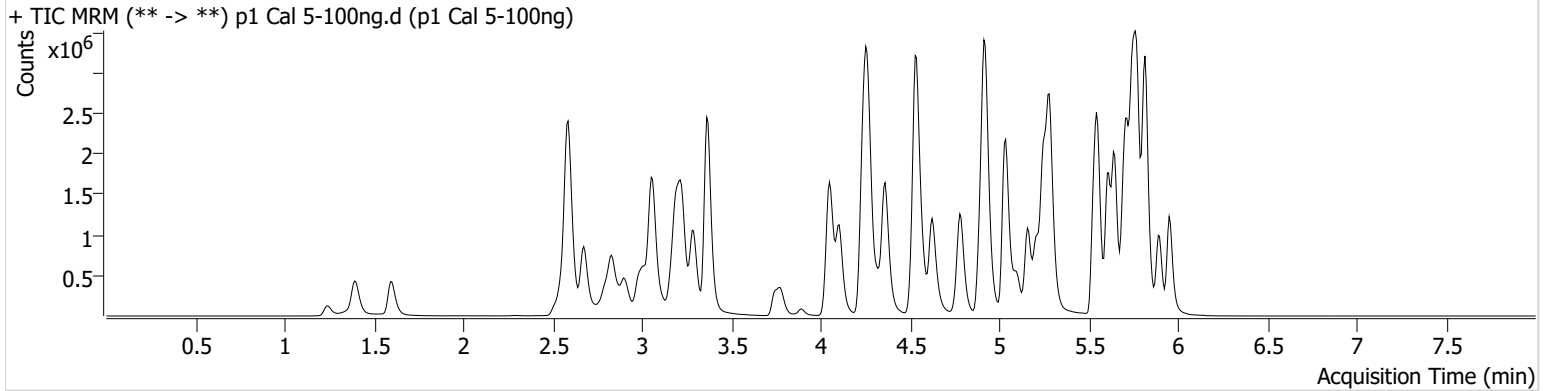
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<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>	5/26/2021 9:13:00 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	47059	518.11	72.2	406.59	123769	9.7213 ng/ml
7-aminoclonazepam	4.271	1030601	75105.95	78.8	13656.49	377778	101.8399 ng/ml
a-hydroxyalprazolam	5.692	434565	1218.20	57.2	654.72	589096	95.2302 ng/ml
alpha-PHP	4.930	514153	1284.51	270.6	47249.55	974640	104.7449 ng/ml
alpha-PVP	4.363	2244947	69046.85	52.6	43776.91	974640	98.2474 ng/ml
Alprazolam	5.775	1681160	∞	110.6	5268.69	589096	100.5503 ng/ml
Amphetamine	3.063	3255449	1233.42	49.2	2290.78	359310	108.0052 ng/ml
Benzoylecgonine	3.892	87077	617.48	7.8	10612.26	29178	91.0449 ng/ml
Buprenorphine	5.819	31987	452.04	14.4	18511.39	119189	10.2825 ng/ml
Bupropion	4.781	1899224	41784.24	60.5	13672.37	664065	100.2648 ng/ml
Carisoprodol	5.724	1445762	1395140.53	56.9	7470.98	697164	98.0267 ng/ml
Citalopram	5.212	1147838	15832.60	41.4	330.05	515866	98.6589 ng/ml
Clonazepam	5.612	1858921	33230.38	32.5	11764.72	224651	108.5912 ng/ml
Clonazepam	5.548	1332948	976097.89	37.9	23385.42	224651	108.5337 ng/ml
Cocaine	4.257	1708036	835.38	51.6	29293.07	1608572	97.8354 ng/ml
Codeine	2.573	220081	386.52	98.3	7306.20	113129	105.9077 ng/ml
Cyclobenzaprine	5.615	879874	2351.11	9.1	1069.07	358385	97.7690 ng/ml
Dextromethorphan	5.255	592904	1195.35	79.7	151.48	280193	99.6968 ng/ml
Dextrophan	4.105	585070	1613.56	208.9	86893.04	700133	98.3621 ng/ml
Diazepam	5.953	1156419	3009.89	86.5	1932.28	529821	101.6606 ng/ml
Dihydrocodeine	2.545	583232	2444.10	66.8	982.76	354875	105.7751 ng/ml
Diphenhydramine	5.282	2850066	82747.59	33.0	22083.50	1662641	98.9652 ng/ml
Doxylamine	4.536	4496822	4040.14	97.4	8990.25	1916880	103.5476 ng/ml
EDDP	5.248	1943536	2035.64	41.3	79954.26	975199	98.1452 ng/ml
Etizolam	5.813	1063102	6648.93	24.9	2252.01	224651	95.8910 ng/ml
Fentanyl	5.103	97914	4551.63	64.9	101057.73	437776	10.4643 ng/ml
Flualprazolam	5.698	809523	12653.17	97.1	719.12	589096	105.8652 ng/ml
Fluoxetine	5.700	919206	2237593.39	8.6	74742.49	376258	100.5114 ng/ml
Hydrocodone	3.012	864340	3628.36	39.1	255.65	1044159	105.5905 ng/ml
Hydromorphone	1.601	770157	2927.39	77.7	2030748.17	10982	104.1350 ng/ml
Ketamine	4.051	1747274	15682.55	36.9	4591.38	833824	102.0732 ng/ml
Lamotrigine	4.273	169537	3482.94	80.9	38268.68	833824	101.2575 ng/ml
Levetiracetam	2.676	830466	833.36	164.5	10731.26	1988173	97.9183 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1294424	14172.79	57.8	1129.56	224651	87.8842 ng/ml
MDA	3.196	2329731	9440.12	24.5	1397.57	622592	109.2046 ng/ml
MDMA	3.290	1453999	9665.52	80.2	4825.64	139740	99.4386 ng/ml
Meprobamate	4.917	809624	365.13	27.3	2095.85	411737	91.4893 ng/ml
Methadone	5.646	2008543	1154.94	48.7	831.39	918255	97.1399 ng/ml
Methamphetamine	3.224	2303634	3998.39	37.8	1261.31	889645	106.6207 ng/ml
Metoprolol	4.319	403456	4398.46	91.4	6008.60	1889036	103.2577 ng/ml
Mirtazapine	4.624	2018340	17423.65	50.1	1318.31	974640	97.0777 ng/ml
Mitragynine	5.230	389897	2475.74	39.5	784.30	918255	100.8660 ng/ml
Morphine	1.240	108329	827.18	33.3	217.46	10982	102.5335 ng/ml
Norbuprenorphine	4.986	4029	5510.95	101.4	28.09	20160	9.7355 ng/ml
Nordiazepam	5.900	1140161	1257.67	56.8	2759.42	378703	103.3277 ng/ml
Norfentanyl	4.079	378686	1354.76	34.5	1327.10	1585298	9.3495 ng/ml
Norhydrocodone	3.059	113962	157.95	41.3	113.50	95598	101.7086 ng/ml
Noroxycodone	2.903	880013	1979.03	42.0	413.67	299604	102.3046 ng/ml
O-desmethyl-tramadol	3.369	3936027	2641.27	6.8	6466.87	2337786	100.3333 ng/ml
Oxazepam	5.749	1701417	4631.08	73.9	6856.46	684701	105.0799 ng/ml
Oxycodone	2.827	1858171	6694.30	27.3	884.77	813553	102.7046 ng/ml
Oxymorphone	1.391	880716	∞	41.8	∞	319006	102.0244 ng/ml
Phentermine	3.783	696754	646.64	4.5	347.20	789339	106.0085 ng/ml
Promethazine	5.532	1904330	4487.58	28.6	10283.72	784004	100.3070 ng/ml
Pseudoephedrine	2.589	4305109	48803.83	16.3	7832.65	1988173	97.4510 ng/ml
Quetiapine	5.548	1498720	10122.61	58.8	540623.54	200559	102.3392 ng/ml
Sertraline	5.769	444637	1040.81	100.2	37964.75	203146	103.2274 ng/ml
Temazepam	5.816	3298848	66016.48	28.0	700.82	1553165	97.2278 ng/ml
Tramadol	4.239	3884215	27828.11	3.6	385.66	1889036	102.8463 ng/ml
Trazodone	5.156	1590489	747.03	81.0	121592.32	655620	101.4513 ng/ml
Venlafaxine	5.037	3203368	130119.22	37.9	1784.20	1581101	98.9295 ng/ml
Zolpidem	4.914	4470289	95370.72	30.3	4275.64	2220004	102.1439 ng/ml

# AM #28 Multi-Drug Quant. Results

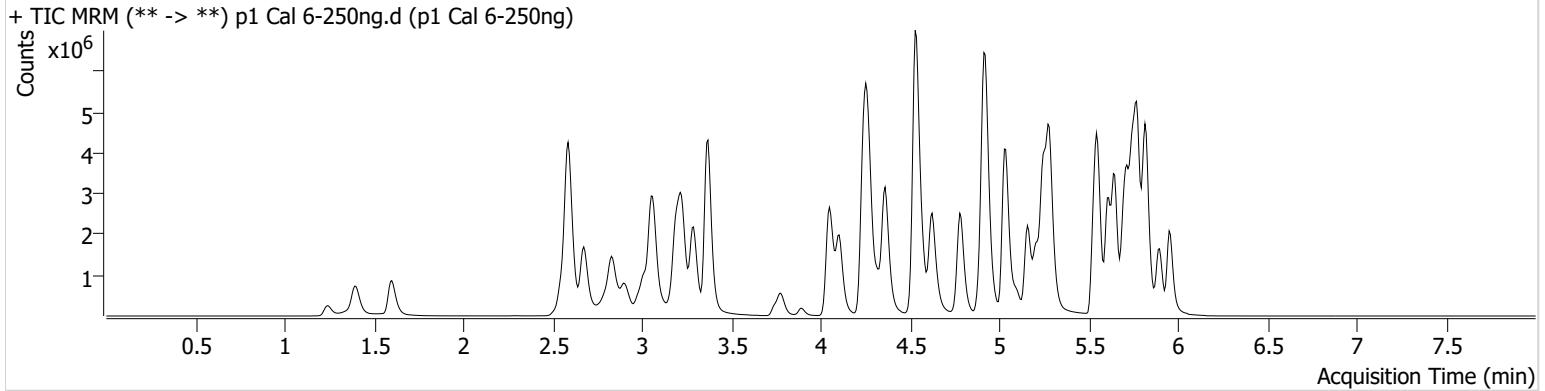
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<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>	5/26/2021 9:23:36 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	112686	2662.08	70.3	1939.77	115983	24.8543 ng/ml
7-aminoclonazepam	4.271	1863545	47615.52	78.3	24204.93	280799	247.6946 ng/ml
a-hydroxyalprazolam	5.692	683433	1740.41	57.6	409.91	469863	188.6629 ng/ml
alpha-PHP	4.930	1060879	35185.22	266.6	172856.41	863759	244.9741 ng/ml
alpha-PVP	4.363	4946978	1971.76	52.2	4654.61	863759	243.8527 ng/ml
Alprazolam	5.775	3341491	2775.28	113.1	1014.37	469863	250.2007 ng/ml
Amphetamine	3.063	6007780	7665.52	47.9	5122.93	313266	229.8913 ng/ml
Benzoylecgonine	3.892	208202	194.44	7.8	7075.15	27271	230.0415 ng/ml
Buprenorphine	5.819	57708	32638.58	13.2	10395.05	90692	24.3988 ng/ml
Bupropion	4.781	4093837	4569.17	60.4	6222.48	581003	246.8791 ng/ml
Carisoprodol	5.724	2484673	104727.03	57.0	10465.67	478625	244.6752 ng/ml
Citalopram	5.205	2408225	17483.47	40.8	739.27	437054	243.8919 ng/ml
Clonazepam	5.612	3413244	50307.33	31.3	57184.13	175689	255.8759 ng/ml
Clonazepam	5.549	2422401	361351.93	38.8	386771.52	175689	252.3801 ng/ml
Cocaine	4.257	3730415	746.68	51.7	473.45	1393115	246.3969 ng/ml
Codeine	2.573	409665	866.88	102.3	906.25	99440	225.2720 ng/ml
Cyclobenzaprine	5.615	1746527	53782.12	8.7	677.94	285788	243.0352 ng/ml
Dextromethorphan	5.255	1121159	697.33	79.5	14072.79	218628	241.5224 ng/ml
Dextrophan	4.105	1287306	79879.92	205.0	37114.91	620216	243.9423 ng/ml
Diazepam	5.953	2308098	8285.42	87.9	6171.89	436946	246.1217 ng/ml
Dihydrocodeine	2.545	1251668	1246.47	66.2	51944.92	336866	240.2117 ng/ml
Diphenhydramine	5.282	5817626	1578.91	33.0	427.76	1339693	250.1657 ng/ml
Doxylamine	4.529	10570445	12701.54	96.7	203977.58	1793844	260.1759 ng/ml
EDDP	5.248	4521544	47030.01	40.4	846.99	904525	246.0258 ng/ml
Etizolam	5.813	2138589	24052.07	24.9	1304583.55	175689	245.6285 ng/ml
Fentanyl	5.103	177940	131.08	70.3	25238.51	353653	23.5115 ng/ml
Flualprazolam	5.698	1511961	15111.57	100.7	16885.36	469863	248.3177 ng/ml
Fluoxetine	5.700	1440317	70484.03	8.3	194719.40	238447	248.6966 ng/ml
Hydrocodone	3.012	1825410	1027.36	39.1	4521.62	972349	240.3292 ng/ml
Hydromorphone	1.601	1630604	2164.29	78.0	2008739.79	10027	241.9028 ng/ml
Ketamine	4.051	3982426	285677.72	35.9	1208.06	775902	250.3922 ng/ml
Lamotrigine	4.273	321985	10425.93	78.0	26611.34	775902	207.6581 ng/ml
Levetiracetam	2.676	1717450	9234.95	163.7	11803.84	1691718	237.2604 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1654745	27407.61	57.3	2373.60	175689	144.4859 ng/ml
MDA	3.196	4356353	10444.64	23.9	5613.16	515172	247.9825 ng/ml
MDMA	3.290	3187334	170957.29	79.4	9237.38	124839	244.0055 ng/ml
Meprobamate	4.917	1327844	29102.54	27.4	6093.53	333008	186.0248 ng/ml
Methadone	5.646	4060254	41531.49	46.9	803.81	720354	249.8695 ng/ml
Methamphetamine	3.224	4366570	15907.25	37.7	1272.45	744747	242.8797 ng/ml
Metoprolol	4.319	861236	12167.07	91.0	5072.39	1641896	254.1992 ng/ml
Mirtazapine	4.624	4263180	9953.66	49.9	76904.06	863759	230.7357 ng/ml
Mitragynine	5.230	799405	771804.73	39.6	7453.24	720354	264.0960 ng/ml
Morphine	1.240	241715	19687.94	32.9	351.72	10027	250.8078 ng/ml
Norbuprenorphine	4.979	8004	8836.13	99.8	1304.01	15622	24.9625 ng/ml
Nordiazepam	5.900	2194785	∞	55.8	599.04	304455	247.6512 ng/ml
Norfentanyl	4.079	830485	2585.74	34.3	17760.71	1345553	24.0157 ng/ml
Norhydrocodone	3.059	233689	∞	42.3	116.98	81671	243.5518 ng/ml
Noroxycodone	2.903	1671194	1092.10	43.4	697.87	240306	242.2292 ng/ml
O-desmethyl-tramadol	3.369	9110432	872568.87	6.5	976.98	2098484	258.3373 ng/ml
Oxazepam	5.749	2522604	9632.39	73.6	6666.65	415661	257.2878 ng/ml
Oxycodone	2.827	4151095	3320.67	27.1	1875.26	763616	244.6786 ng/ml
Oxymorphone	1.398	1776920	∞	44.4	∞	273146	240.7390 ng/ml
Phentermine	3.783	1357806	814.64	4.4	276.95	686699	238.1691 ng/ml
Promethazine	5.532	3751583	1859.76	27.9	1497.56	630572	245.5874 ng/ml
Pseudoephedrine	2.589	9351684	84987.83	15.8	87471.54	1691718	248.0089 ng/ml
Quetiapine	5.548	3050169	39332.10	58.8	2173.65	170340	245.4508 ng/ml
Sertraline	5.769	723328	294.86	97.0	20831.06	138325	246.4845 ng/ml
Temazepam	5.823	5665594	2441.54	27.9	8677.69	1055318	245.2063 ng/ml
Tramadol	4.239	8479734	2224.81	3.5	4978.23	1641896	258.5974 ng/ml
Trazodone	5.156	3356830	742.36	80.3	2008.82	573900	245.0321 ng/ml
Venlafaxine	5.037	7313804	2891.64	36.5	3115.13	1409614	252.7871 ng/ml
Zolpidem	4.914	10036282	45227.87	29.6	6931.66	2031628	250.9151 ng/ml

# AM #28 Multi-Drug Quant. Results

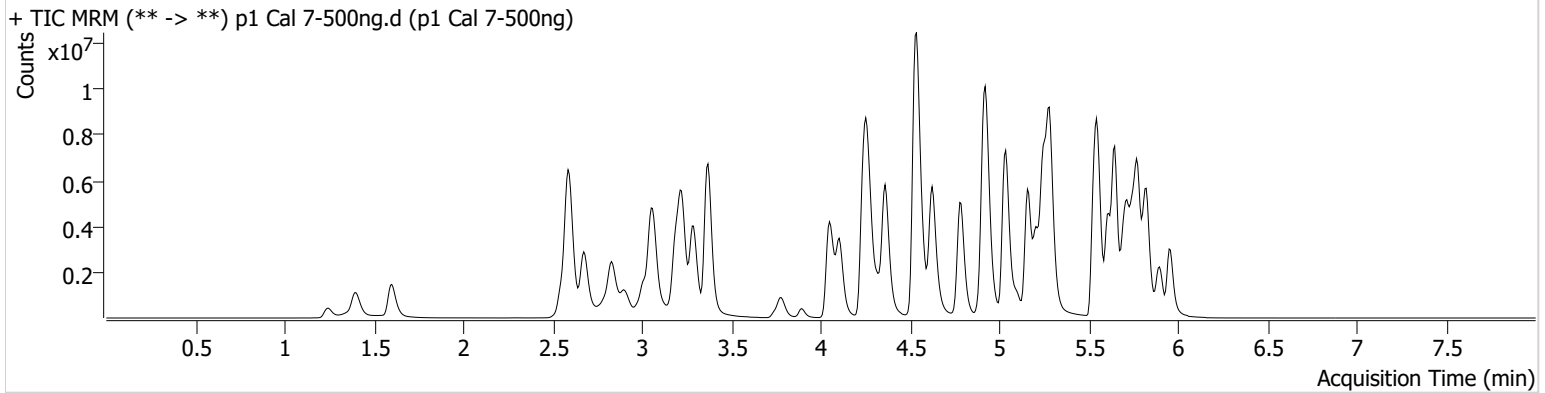
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-B12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/26/2021 9:34:13 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	216792	2068.41	69.1	10324.69	107832	51.4396 ng/ml
7-aminoclonazepam	4.278	2488190	18836.08	75.6	22017.32	182414	509.0541 ng/ml
a-hydroxyalprazolam	5.685	806489	298.09	58.9	338.35	350595	298.9023 ng/ml
alpha-PHP	4.930	1949906	47805.94	270.2	84361.38	810101	480.8867 ng/ml
alpha-PVP	4.363	9825013	119038.49	51.9	130393.83	810101	516.0565 ng/ml
Alprazolam	5.775	4990414	899.13	112.2	962.52	350595	500.5354 ng/ml
Amphetamine	3.063	10476513	164156.16	48.7	21576.42	309545	406.5843 ng/ml
Benzoylcegonine	3.892	459242	26515.88	8.0	69961.46	28087	490.5813 ng/ml
Buprenorphine	5.819	121382	2589.74	14.9	52062.89	94235	49.4055 ng/ml
Bupropion	4.788	8643962	2050.20	60.7	22842.33	596653	507.4990 ng/ml
Carisoprodol	5.724	3291369	23830.55	55.2	52035.84	291487	531.6394 ng/ml
Citalopram	5.205	5269511	76140.65	40.8	26453.14	454146	513.2633 ng/ml
Clonazepam	5.612	4338819	24718.14	31.9	17417.33	122410	467.3940 ng/ml
Clonazepam	5.555	3204217	235161.88	37.5	212899.37	122410	479.2506 ng/ml
Cocaine	4.257	6604473	317872.57	51.3	2431.48	1200170	506.1354 ng/ml
Codeine	2.566	649427	1923.60	98.3	545.84	84576	420.6488 ng/ml
Cyclobenzaprine	5.615	4244016	1886.34	8.9	4609.87	332093	507.9811 ng/ml
Dextromethorphan	5.255	2387386	1098.14	80.1	794.34	225466	498.6313 ng/ml
Dextrophan	4.105	2455678	31369.29	210.8	66628.63	575243	501.4675 ng/ml
Diazepam	5.960	3718905	669.84	88.0	28946.81	355452	487.5418 ng/ml
Dihydrocodeine	2.545	2123101	1968.30	67.7	2894.06	328089	418.9830 ng/ml
Diphenhydramine	5.282	13097805	67651.52	32.3	32541.57	1435734	525.1587 ng/ml
Doxylamine	4.536	20446559	240520.85	97.2	189900.19	1788994	504.6742 ng/ml
EDDP	5.248	9091532	201766.15	40.5	4034.31	876016	510.6832 ng/ml
Etizolam	5.813	3551573	2507.77	24.4	39957.03	122410	584.5569 ng/ml
Fentanyl	5.103	502709	360.21	68.1	241927.33	472522	49.6883 ng/ml
Flualprazolam	5.698	2203224	9724.89	103.0	59466.95	350595	485.2388 ng/ml
Fluoxetine	5.700	3092878	263753.07	8.5	26633.79	252782	503.8800 ng/ml
Hydrocodone	3.012	3324767	577.16	39.8	540.15	907749	469.5293 ng/ml
Hydromorphone	1.601	2923468	11932.53	77.5	934310.19	9104	477.9928 ng/ml
Ketamine	4.051	7487911	898.20	35.7	17074.53	740244	493.7289 ng/ml
Lamotrigine	4.280	480600	13979.72	80.7	3341.23	740244	325.4237 ng/ml
Levetiracetam	2.676	2985652	4768.15	166.8	4256.57	1403507	496.6011 ng/ml



SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1763441	36867.71	54.8	1911.36	122410	221.6858 ng/ml
MDA	3.196	6918360	58448.12	23.8	5035.09	447088	454.5874 ng/ml
MDMA	3.290	6129599	5867.14	79.3	23298.88	113792	514.8110 ng/ml
Meprobamate	4.917	1657279	15327.35	26.9	14631.52	274275	282.1469 ng/ml
Methadone	5.646	9945698	1719.00	47.7	51932.90	845357	521.2496 ng/ml
Methamphetamine	3.224	9625510	20910.70	36.1	2547.82	838314	476.7431 ng/ml
Metoprolol	4.319	1531258	2487341.10	92.2	5107.46	1501961	494.4596 ng/ml
Mirtazapine	4.624	10181883	115484.01	48.9	6159.54	810101	586.8628 ng/ml
Mitragynine	5.230	1700834	2965.47	39.3	3992.13	845357	479.0497 ng/ml
Morphine	1.247	427631	1997.05	33.9	∞	9104	488.8638 ng/ml
Norbuprenorphine	4.986	19299	219.24	102.6	113.52	18405	51.0871 ng/ml
Nordiazepam	5.900	3267027	1245.17	56.0	2072.38	230231	487.6509 ng/ml
Norfentanyl	4.079	1544446	29708.40	33.9	14895.24	1132752	52.9439 ng/ml
Norhydrocodone	3.053	403766	315.61	44.3	134.89	61920	554.5107 ng/ml
Noroxycodone	2.903	2625627	6122.12	42.8	23205.22	178452	512.4812 ng/ml
O-desmethyl-tramadol	3.369	16400405	176930.20	6.6	69273.30	1887175	516.8849 ng/ml
Oxazepam	5.749	2530328	10521.72	71.8	8285.70	231560	463.6194 ng/ml
Oxycodone	2.827	7622581	1691.53	27.0	864.63	708923	484.1292 ng/ml
Oxymorphone	1.398	3160784	∞	41.1	∞	223600	523.4043 ng/ml
Phentermine	3.783	2503073	∞	4.3	145.87	716415	421.2828 ng/ml
Promethazine	5.532	9439903	17675.30	27.0	3450.56	767676	507.5172 ng/ml
Pseudoephedrine	2.596	16327592	148355.45	15.7	2322.64	1403507	521.3814 ng/ml
Quetiapine	5.548	6779131	202093.31	58.9	132407.62	185372	501.4524 ng/ml
Sertraline	5.769	1537887	28010.64	97.0	12835.83	141798	511.1149 ng/ml
Temazepam	5.823	7261013	73922.56	27.8	54201.13	649588	510.1482 ng/ml
Tramadol	4.239	14937135	2126.33	3.5	5390.31	1501961	498.1306 ng/ml
Trazodone	5.156	8585943	171027.21	80.7	823.64	707562	508.6617 ng/ml
Venlafaxine	5.037	14349691	151618.24	36.4	27987.82	1332510	524.2790 ng/ml
Zolpidem	4.914	17285606	21516.44	30.2	18249.27	1922208	456.9391 ng/ml

# AM #28 Multi-Drug Quant. Results

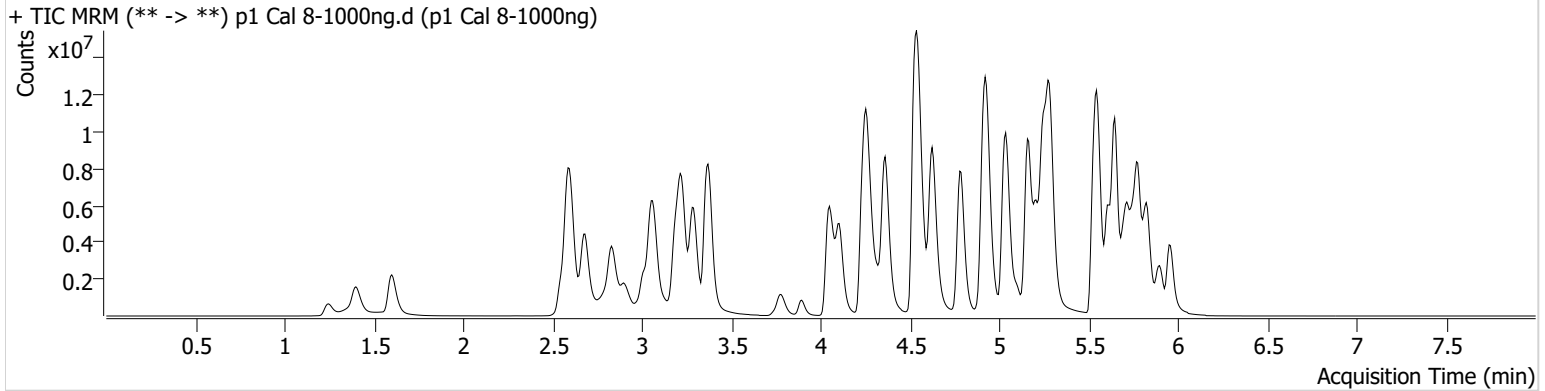
SC



**Batch results** D:\MassHunter\Data\2021\AM 27-28\052521 AM 27 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 5/27/2021 12:01:27 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-A12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/26/2021 9:44:49 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	375865	1175.64	71.0	2500.58	91160	105.5035 ng/ml
7-aminoclonazepam	4.278	2625262	13061.54	78.6	22674.25	104818	934.6784 ng/ml
a-hydroxyalprazolam	5.685	909594	172.10	58.9	576.14	238728	495.6888 ng/ml
alpha-PHP	4.937	2705130	15193.65	272.8	2094.76	630010	858.4964 ng/ml
alpha-PVP	4.363	15489649	66983.19	53.2	39874.50	630010	1045.8551 ng/ml
Alprazolam	5.775	6876491	4586.49	111.1	3741.21	238728	1012.6502 ng/ml
Amphetamine	3.063	13997708	170614.56	48.6	81894.07	226352	743.8465 ng/ml
Benzoylcegonine	3.892	989229	32657.07	8.0	3675.29	28444	1041.3766 ng/ml
Buprenorphine	5.819	170254	309.80	14.8	42956.96	68029	96.0063 ng/ml
Bupropion	4.781	14040062	168711.55	61.0	15690.20	493046	997.4352 ng/ml
Carisoprodol	5.724	3944112	1219952.09	57.0	7346.04	172915	1073.4485 ng/ml
Citalopram	5.205	8135849	1579.80	39.9	725.14	344906	1043.1411 ng/ml
Clonazepam	5.612	4869349	20533.46	32.0	10717.21	79534	807.8171 ng/ml
Clonazepam	5.555	3669268	348085.50	37.6	135530.27	79534	844.7616 ng/ml
Cocaine	4.257	10016765	1043.65	50.1	791.48	873881	1054.0243 ng/ml
Codeine	2.573	865228	710.86	99.6	267.75	64960	730.3101 ng/ml
Cyclobenzaprine	5.615	6833118	3151.36	8.4	763.10	249176	1089.7893 ng/ml
Dextromethorphan	5.255	3354750	24706.50	78.1	85242.20	152789	1033.8970 ng/ml
Dextrophan	4.105	3792248	94561.38	211.8	1837.11	424176	1049.9333 ng/ml
Diazepam	5.960	5261604	356.94	88.0	27661.49	249611	982.3373 ng/ml
Dihydrocodeine	2.545	3233941	12528.68	66.7	1683.88	290392	721.6634 ng/ml
Diphenhydramine	5.289	18762450	1731.67	34.9	2449.50	1071189	1007.9745 ng/ml
Doxylamine	4.536	29688394	16620.22	97.5	235035.20	1483232	883.8860 ng/ml
EDDP	5.248	14881491	125054.71	40.9	2672.75	686773	1066.1466 ng/ml
Etizolam	5.813	5062227	13206.69	24.5	6549.59	79534	1281.5831 ng/ml
Fentanyl	5.103	892757	13903.83	69.0	48244.30	403066	103.4219 ng/ml
Flualprazolam	5.705	2837318	32899.20	103.0	13129.73	238728	917.9914 ng/ml
Fluoxetine	5.700	3817874	33597.01	8.8	∞	162898	965.3125 ng/ml
Hydrocodone	3.012	5313493	341.35	39.7	∞	766094	889.7381 ng/ml
Hydromorphone	1.601	4745978	1179867.45	77.4	1734814.03	7587	931.3721 ng/ml
Ketamine	4.051	11978791	628299.53	35.4	22983.77	609871	958.9334 ng/ml
Lamotrigine	4.280	607480	46032.44	77.3	2461.90	609871	499.7783 ng/ml
Levetiracetam	2.683	4763306	5568.97	169.5	6772.99	972411	1142.8530 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1721385	81434.21	57.2	3231.29	79534	333.7125 ng/ml
MDA	3.189	9162415	55550.44	23.0	8207.72	333114	808.7673 ng/ml
MDMA	3.290	9235126	3493.58	79.7	3689.32	89746	983.4602 ng/ml
Meprobamate	4.911	1814739	27508.63	27.2	4669.24	211578	400.7101 ng/ml
Methadone	5.646	15208682	412050.01	50.9	∞	654750	1028.8461 ng/ml
Methamphetamine	3.224	14198515	42152.85	36.3	15380.09	698770	844.5643 ng/ml
Metoprolol	4.319	2177523	10796.62	91.1	5900.06	1161159	909.8668 ng/ml
Mirtazapine	4.624	16942249	311561.41	50.2	126858.74	630010	1255.1327 ng/ml
Mitragynine	5.223	2495796	226202.43	39.4	4256.01	654750	907.8592 ng/ml
Morphine	1.247	690361	∞	33.7	83.64	7587	947.1012 ng/ml
Norbuprenorphine	4.986	32406	7995.41	98.6	1447.90	15675	100.7240 ng/ml
Nordiazepam	5.900	4229063	12567.12	56.1	294.03	148782	976.9940 ng/ml
Norfentanyl	4.079	2363609	82640.46	34.1	14074.03	778268	117.8203 ng/ml
Norhydrocodone	3.053	699685	3326.45	42.4	133.58	46149	1288.7377 ng/ml
Noroxycodone	2.903	3589008	1017.00	44.3	1527.96	131115	953.4332 ng/ml
O-desmethyl-tramadol	3.369	23137453	44779.91	7.2	41390.56	1437271	957.2721 ng/ml
Oxazepam	5.749	2340017	2153.83	72.7	4586.63	108719	913.6267 ng/ml
Oxycodone	2.827	12501654	9184.58	26.6	962.76	582607	966.3316 ng/ml
Oxymorphone	1.398	4834736	∞	42.9	∞	187031	957.3437 ng/ml
Phentermine	3.783	3582745	∞	4.3	600.67	596810	724.2530 ng/ml
Promethazine	5.532	14441241	2090.43	28.8	4172.28	590419	1009.4274 ng/ml
Pseudoephedrine	2.596	23172819	104235.89	16.1	70626.74	972411	1067.4922 ng/ml
Quetiapine	5.548	10823359	335828.32	59.5	83611.97	154581	960.2220 ng/ml
Sertraline	5.769	1957303	958.40	98.2	37679.23	93777	983.5285 ng/ml
Temazepam	5.830	8040480	105970.81	28.0	11476.53	334342	1097.1421 ng/ml
Tramadol	4.239	20554626	1123.11	3.8	5773.46	1161159	886.7917 ng/ml
Trazodone	5.156	15197059	322398.01	81.5	237107.47	680726	936.0726 ng/ml
Venlafaxine	5.037	21103018	3738.44	39.6	2347.67	1029832	997.3022 ng/ml
Zolpidem	4.921	24537329	1673.85	33.2	38563.85	1640276	760.2737 ng/ml