




















**Worklist: 6119**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-2634	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3445	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3715	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3901	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3908	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3912	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3930	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2664	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2785	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2825	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2891	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2892	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2894	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2896	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2909	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2931	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2950	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2956	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2958	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 10/06/22

Plate lot#: IDP-121-3-POC-220802

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

Blank Blood Lot: Lampire 22B52015-1

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

Analyst: Sarah Collins

Plate Retest Date: 02/02/23

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Urine Lot: N/A

LCMS-QQQ ID: 069901

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis: Pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature.
- 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate. Pipette ID: Click here to enter text. #16 added 10/21/22 *SC*
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. (SKIPPED PER DEVIATION)
- 5. Pipette 250µL 0.5M ammonium hydroxide in wells of analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 8. 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)*
- 9. Wait 5 minutes.
- 10. Add 900uL ethyl acetate.
- 11. Wait 5 minutes.
- 12. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 13. Add 900uL ethyl acetate.
- 14. Wait 5 minutes.
- 15. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 16. Remove plate containing eluate.
- 17. Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples but optional for blood samples.
- 18. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 19. Reconstitute in 100µL 20% MeOH and heat seal plate with foil.

## Post-Analytic

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

COMMENTS: P2022-2896 reinjected due to case sample following another case sample with the same compound. QC 100 reinjected to satisfy method requirements when reinjecting a case sample. Samples were extracted and ran originally on 10/5/22, but due to contamination in some case samples and negative control, samples were re-extracted and ran on 10/6/22. The re-extract data was used.

SC

*Curve Range Limits:*

*7-aminoclonazepam 5-500 (calibrator 8 dropped due to accuracy)*

*Amphetamine 5-500 (calibrator 8 dropped due to accuracy)*

*Dihydrocodeine 5-500 (calibrator 8 dropped due to accuracy)*

*Mirtazapine 5-500 (calibrator 8 dropped due to accuracy)*

*Norbuprenorphine 2.5-100 (calibrator 1 dropped due to ratio and calibrator 2 dropped due to QC 10 ratio out)*

*Norfentanyl 0.5-50 (calibrator 8 dropped due to accuracy)*

*Norhydrocodone 5-500 (calibrator 8 dropped due to accuracy)*

*Noroxycodone 5-250 (calibrator 7 and 8 dropped due to accuracy)*

*Did not evaluate chlordiazepoxide due to increasing ratios.*

**Idaho State Police  
Forensic Services**

SC

**Request for Departure from an Analytical Method or Quality Standard**

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Deviation Number (assigned by QM): TOX-22-01

Date of Request: **2/3/2022**

Requestor/Discipline: Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #: AM #25, AM #28, AM #29, Revision 13

Temporary or Permanent Deviation: Permanent

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**Scope of Deviation** (record specific information, e.g. affected programs, evidence types, expected end date; etc): Deviation will remain in place until the change is made in the next method revision.

**Deviation Request** (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual): 4.1.4 (Place plate on shaking incubator at approximately 900 rpm for approximately 15 minutes) of AM #25, AM # 28, and AM #29 is being removed. The removal of this step was tested in the validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022) and it was determined that that step is not necessary and can be removed.

**Technical Justification for Analytical Method Deviations:** Refer to validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022)

**Technical Review**

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Departure approved  
Comments:

Departure Not Approved  
Comments:

Approver: Rachel Cutler  
Title: Laboratory Manager



Date: 2/10/2022

**Quality Review**

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Quality Approver: Jason Crowe  
Title: Quality Manager  
Date: 2/10/2022



# Analytical plate map

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1							p2022-2896-1	p2022-2891-1	m2022-2634-1	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2							p2022-2931-1	m2022-3912-3	m2022-3715-1	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3							p2022-2956-1	p2022-2664-1	negative blood	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4							p2022-2950-1	m2022-3908-4	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2							p2022-2894-1	m2022-3930-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6								p2022-2785-1	p2022-2892-1	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7								p2022-2825-1	m2022-3445-1	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8							p2022-2958-1	p2022-2909-1	m2022-3901-1	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

# SLE plate map

	1	2	3	4	5	6	7	8	9	10	11	12
A		p2022-2896-1	p2022-2891-1	m2022-2634-1	IS + Cal. 8							
B		p2022-2931-1	m2022-3912-3	m2022-3715-1	IS + Cal. 7							
C		p2022-2956-1	p2022-2664-1	negative blood	IS + Cal. 6							
D		p2022-2950-1	m2022-3908-4	IS + QC_2	IS + Cal. 5							
E		p2022-2894-1	m2022-3930-1	IS + QC_4	IS + Cal. 4							
F		p2022-2785-1	p2022-2892-1	IS + QC_3	IS + Cal. 3							
G		p2022-2825-1	m2022-3445-1	IS + QC_2	IS + Cal. 2							
H	p2022-2958-1	p2022-2909-1	m2022-3901-1	IS + QC_1	IS + Cal. 1							

All wells to contain 60 µl of Trapping Solution

SC

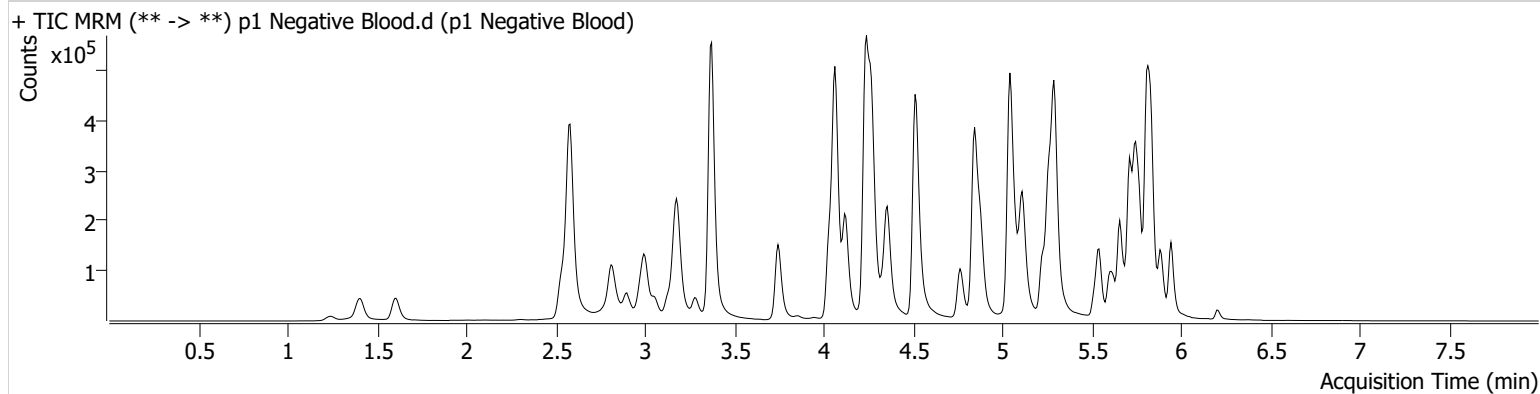


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

<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 P1 Updated 082522.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P6-C4	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	10/6/2022 3:25:02 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



SC

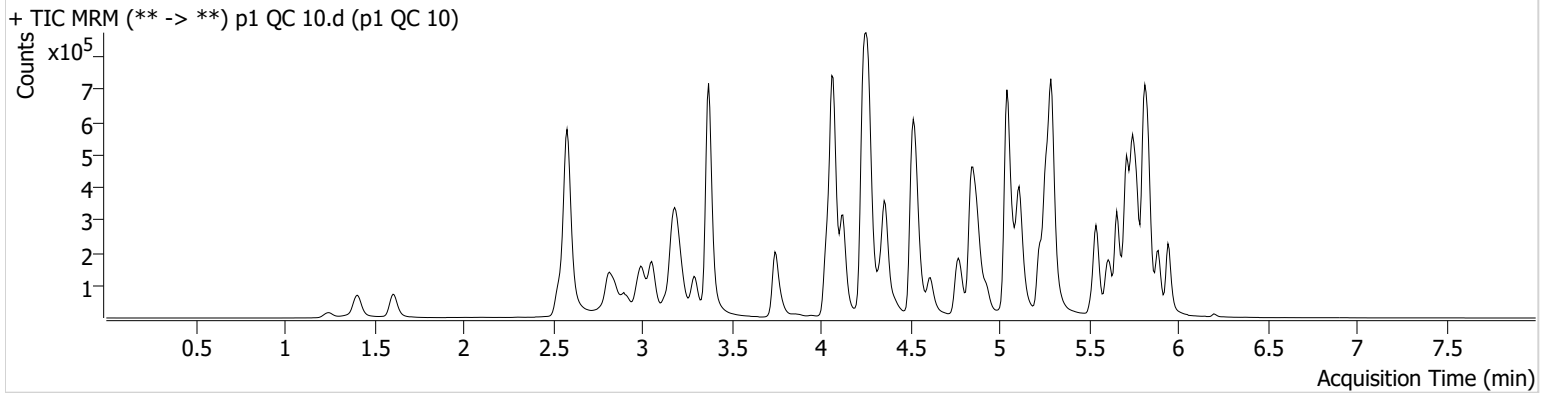


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 QC 10.d  
**Type** QC **Sample** p1 QC 10  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-H4 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 2:10:38 PM  
**Sample Info.**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	3019	362.08	70.6	5189.34	75381	0.9663 ng/ml
7-aminoclonazepam	4.258	64255	77.93	69.8	843.63	251226	10.9289 ng/ml
a-hydroxyalprazolam	5.695	25419	174.74	66.7	1522.03	995151	9.8658 ng/ml
alpha-PHP	4.928	38431	433.20	271.6	3716.97	601113	9.5604 ng/ml
alpha-PVP	4.370	159017	6970.82	50.5	338.06	601113	9.9657 ng/ml
Alprazolam	5.772	98995	602.49	109.3	2950.89	340707	10.0558 ng/ml
Amphetamine	3.057	219698	4763.62	51.8	254.15	264025	11.0842 ng/ml
Benzoylecgonine	3.884	3728	162.38	8.7	424.41	10990	11.3107 ng/ml
Buprenorphine	5.720	1653	34.16	15.2	446.68	63168	0.9349 ng/ml
Bupropion	4.785	115383	580.55	67.0	1061.32	371695	9.9154 ng/ml
Carisoprodol	5.720	114050	945.57	63.2	174.13	491829	9.6670 ng/ml
** Chlordiazepoxide	<del>5.841</del>	<del>60461</del>	<del>1992.50</del>	<del>75.5</del>	<del>761.86</del>	<del>635992</del>	<del>10.3685 ng/ml</del>
Chlorpheniramine	5.117	159826	747.04	0.3	16.63	719792	9.8942 ng/ml
Citalopram	5.225	91887	713.28	34.4	38108.94	361605	10.2766 ng/ml
Clonazepam	5.607	107233	336.99	35.3	2411.08	137509	10.6273 ng/ml
Clonazolam	5.551	75269	131774.02	36.6	8878.16	137509	10.7205 ng/ml
Cocaine	4.264	115947	1033.43	57.5	3127.73	995450	10.0266 ng/ml
Codeine	2.586	16721	129.55	104.3	1304.84	72888	11.0294 ng/ml
Cyclobenzaprine	5.624	30851	846.59	8.0	58.00	119251	9.9551 ng/ml
Dextromethorphan	5.268	43069	424.27	85.8	246.92	187175	10.3137 ng/ml
Dextrorphan	4.124	49794	346.62	200.3	153177.89	492340	10.3326 ng/ml
Diazepam	5.951	71203	1751.67	92.8	382.16	308677	9.9989 ng/ml
Dihydrocodeine	2.565	37952	110.39	70.6	247.70	223839	10.1867 ng/ml
Diphenhydramine	5.296	228193	1759.13	31.6	263.74	1185384	9.9830 ng/ml
Doxylamine	4.531	319859	1699.15	98.6	1739.33	1421915	10.0912 ng/ml
Duloxetine	5.650	2497	62.67	12.4	62.87	11243	10.7320 ng/ml
EDDP	5.261	131877	429.71	40.0	2269.29	633777	9.9639 ng/ml
Etizolam	5.810	46670	1512.44	26.9	31242.01	137509	9.5579 ng/ml
Fentanyl	5.087	4316	133.53	62.3	10379.40	209678	1.0416 ng/ml
Flualprazolam	5.701	41564	1719.13	105.0	9317.02	340707	10.3755 ng/ml
Fluoxetine	5.710	27692	237.93	7.6	498.09	93737	9.4569 ng/ml
Hydrocodone	3.026	59820	159.70	38.1	252.42	307107	10.3178 ng/ml
Hydromorphone	1.615	54051	796.39	77.9	963.13	159137	10.2245 ng/ml



SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	48536	669.22	74.7	636.92	187175	9.0574 ng/ml
Ketamine	4.050	121351	568.67	33.5	112.82	491741	9.9967 ng/ml
Lamotrigine	4.281	11909	283.25	88.5	1651.88	1389638	10.1486 ng/ml
Lorazepam	5.743	88689	582.56	48.0	101.01	577778	10.7415 ng/ml
MDA	3.205	210851	1018.91	29.0	446.38	512975	10.7606 ng/ml
MDMA	3.298	116095	476.38	92.3	1475.12	113349	10.3346 ng/ml
Meprobamate	4.901	80135	574.19	29.2	102.57	364956	10.4009 ng/ml
Methadone	5.655	114172	663.67	55.5	967.08	455801	9.8997 ng/ml
Methamphetamine	3.226	98471	182.41	38.9	185.32	467692	10.0268 ng/ml
Metoprolol	4.334	32160	1381.86	99.3	2900.90	1332156	10.7127 ng/ml
Mirtazapine	4.613	167392	3302.83	54.4	472.35	601113	9.5642 ng/ml
Mitragynine	5.222	22475	1688.50	36.9	5472.23	455801	9.7411 ng/ml
Morphine	1.253	8478	611.79	27.4	48.86	12117	9.8551 ng/ml
* Norbuprenorphine	<del>5.004</del>	<del>246</del>	<del>426.37</del>	<del>115.2</del>	<del>265.01</del>	<del>11085</del>	<del>0.8791 ng/ml</del>
Nordiazepam	5.890	82427	717.47	54.4	444.23	238261	10.4636 ng/ml
Norfentanyl	4.085	26805	3829.02	38.3	205.05	1032577	0.9703 ng/ml
Norhydrocodone	3.074	10397	54.86	39.5	193.76	81349	9.9694 ng/ml
Noroxycodone	2.924	56936	15.18	45.8	375.32	160545	10.6266 ng/ml
O-desmethyl-tramadol	3.379	300046	1828.54	5.9	1025.00	1562102	10.0114 ng/ml
o-desmethylvenlafaxine	4.076	431790	4224.62	16.2	320.39	314200	9.6247 ng/ml
Olanzapine	4.414	27456	926.72	60.2	117.67	65234	9.7599 ng/ml
Oxazepam	5.753	124706	877.01	71.4	114.90	577778	10.3989 ng/ml
Oxycodone	2.842	107905	309.96	30.0	385.60	423960	9.9924 ng/ml
Oxymorphone	1.411	59609	∞	46.3	∞	181616	10.0541 ng/ml
Phentermine	3.780	50653	3511.13	5.3	38.28	551991	10.5110 ng/ml
Promethazine	5.540	67379	315.43	30.3	128.80	287014	10.0082 ng/ml
Pseudoephedrine	2.589	288881	451.10	18.3	871.10	1389638	9.7558 ng/ml
Quetiapine	5.529	100185	255.87	58.9	174.25	129272	10.7422 ng/ml
Sertraline	5.779	9270	153.49	85.9	262.81	37458	8.9461 ng/ml
Temazepam	5.813	213860	4717.99	26.8	94.50	995151	10.1035 ng/ml
Tramadol	4.253	266525	491.90	3.7	134.39	1332156	9.9793 ng/ml
Trazodone	5.086	92861	519.87	64.9	78.37	282756	9.5531 ng/ml
Venlafaxine	5.042	236093	454.95	33.1	1466.06	1230693	9.6461 ng/ml
Zolpidem	4.864	254052	395.93	28.5	2225.26	1036611	10.1930 ng/ml

\*OCR

SC

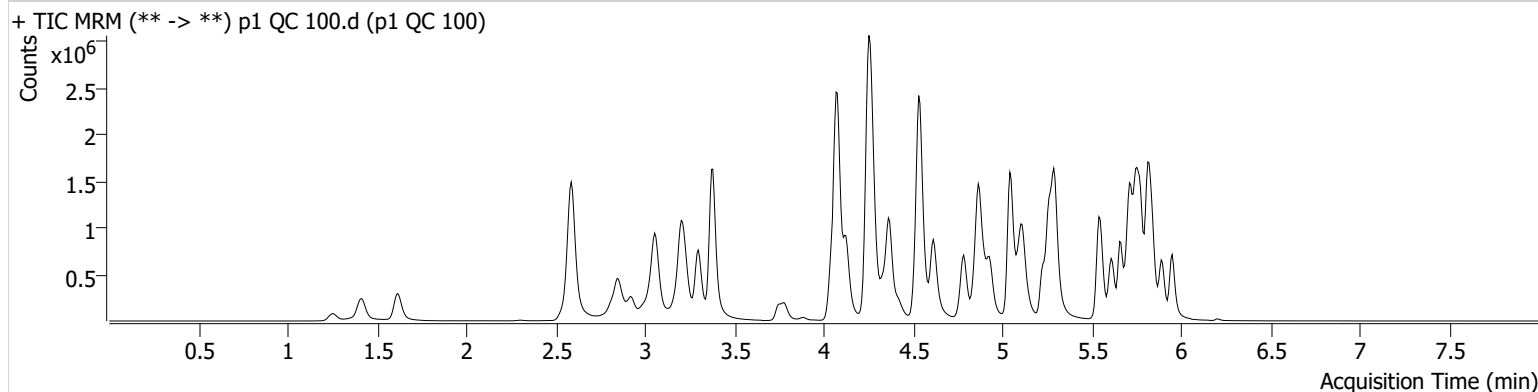


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 QC 100.d  
**Type** QC **Sample** p1 QC 100  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-G4 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 7:29:06 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	28468	867.64	74.4	914.73	71088	10.0318 ng/ml
7-aminoclonazepam	4.258	474049	242.41	71.8	6801.53	196713	108.7716 ng/ml
a-hydroxyalprazolam	5.688	194228	632.56	68.3	1419.27	769503	99.6802 ng/ml
alpha-PHP	4.928	354970	4542.80	260.1	21340.42	539077	99.1468 ng/ml
alpha-PVP	4.370	1420222	53042.03	51.6	20463.31	539077	98.5767 ng/ml
Alprazolam	5.772	873586	756.56	107.0	780.87	289211	100.9300 ng/ml
Amphetamine	3.057	1682116	22609.64	50.4	9646.70	216199	109.2736 ng/ml
Benzoylcegonine	3.884	33345	200.66	8.4	540.10	10858	101.4675 ng/ml
Buprenorphine	5.720	11381	71.91	19.1	4638.70	46250	9.1309 ng/ml
Bupropion	4.785	1005727	47911.08	68.4	6582.08	333131	97.2799 ng/ml
Carisoprodol	5.720	875378	1319084.20	64.7	7212.72	368307	94.1724 ng/ml
** Chlordiazepoxide	<del>5.841</del>	<del>479385</del>	<del>14929.38</del>	<del>82.9</del>	<del>7166.80</del>	<del>542932</del>	<del>102.0981 ng/ml</del>
Chlorpheniramine	5.117	1263368	14216.54	0.3	65.53	562726	99.5358 ng/ml
Citalopram	5.225	686041	917.30	34.6	348.22	269774	100.6010 ng/ml
Clonazepam	5.607	874722	489.95	36.1	520.39	118264	106.9037 ng/ml
Clonazolam	5.551	640504	1645530.95	37.7	400449.48	118264	111.6482 ng/ml
Cocaine	4.271	1028900	925.18	57.4	577.25	882396	100.0084 ng/ml
Codeine	2.586	139110	180.31	103.4	590.76	65282	109.9884 ng/ml
Cyclobenzaprine	5.624	177003	564.75	7.6	40.06	69035	97.5369 ng/ml
Dextromethorphan	5.268	294705	353.85	84.8	6422.41	127129	104.1361 ng/ml
Dextrorphan	4.124	440852	12924.40	196.4	27647.80	431003	102.0055 ng/ml
Diazepam	5.951	635476	812.67	89.1	29295.40	276588	101.3402 ng/ml
Dihydrocodeine	2.565	346420	4175.63	69.6	1493.92	211599	103.8016 ng/ml
Diphenhydramine	5.296	1700805	639.86	31.9	18172.57	886230	98.0007 ng/ml
Doxylamine	4.531	3072227	97938.58	96.3	4583.66	1331707	103.0199 ng/ml
Duloxetine	5.657	11546	1456.59	15.0	222.86	5718	100.8358 ng/ml
EDDP	5.261	1234406	26349.51	41.5	1108.00	593548	99.2083 ng/ml
Etizolam	5.810	398691	42936.53	26.6	87340.50	118264	91.9188 ng/ml
Fentanyl	5.087	25463	1670.15	69.8	172.45	130666	9.6402 ng/ml
Flualprazolam	5.701	346789	6718.88	107.0	6622.31	289211	111.1779 ng/ml
Fluoxetine	5.717	124118	13861.72	6.9	188.85	44462	91.0447 ng/ml
Hydrocodone	3.026	526641	125.37	38.5	566.02	280999	104.4961 ng/ml
Hydromorphone	1.622	494497	1899952.00	78.0	6810.25	145895	102.1248 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	337865	825.62	78.2	9006.78	127129	85.0411 ng/ml
Ketamine	4.050	1069373	101980.87	34.5	3263.82	440872	104.3699 ng/ml
Lamotrigine	4.281	100511	1055.74	89.8	2996.69	1190470	104.8063 ng/ml
Lorazepam	5.743	544356	2277.16	52.8	504.78	417273	102.4466 ng/ml
MDA	3.205	1627783	398.59	28.7	456.83	422469	106.4488 ng/ml
MDMA	3.298	1023362	18361.54	91.2	5792.41	100287	101.9964 ng/ml
Meprobamate	4.901	635960	18710.70	28.3	234.64	296493	106.3067 ng/ml
Methadone	5.662	865406	26430.05	56.0	40257.47	350031	96.1600 ng/ml
Methamphetamine	3.226	679742	16807.55	39.3	953.37	343894	99.6553 ng/ml
Metoprolol	4.334	281151	1250.47	100.3	282073.12	1217256	107.6894 ng/ml
Mirtazapine	4.613	1373223	165974.53	53.5	1198.60	539077	83.9631 ng/ml
Mitragynine	5.222	147372	362439.15	33.4	71244.45	350031	87.3921 ng/ml
Morphine	1.253	79041	179.79	26.7	155.56	11650	95.7011 ng/ml
Norbuprenorphine	4.997	1964	473.65	102.8	478.68	8603	9.5883 ng/ml
Nordiazepam	5.897	682650	14374.46	55.9	1425.27	200466	104.7225 ng/ml
Norfentanyl	4.091	245902	3188.10	36.2	1331.88	886313	9.8356 ng/ml
Norhydrocodone	3.074	80879	∞	40.2	122.23	60197	97.4584 ng/ml
Noroxycodone	2.924	473315	5848.38	47.1	327.00	139698	101.3656 ng/ml
O-desmethyl-tramadol	3.379	2770447	1368.30	6.0	6020.45	1424213	98.5616 ng/ml
o-desmethylvenlafaxine	4.076	3975062	79557.64	16.0	4460.73	276871	96.3544 ng/ml
Olanzapine	4.414	187523	1851.70	58.7	1555.08	40232	103.7129 ng/ml
Oxazepam	5.753	866978	7855.48	72.3	178.09	417273	104.0784 ng/ml
Oxycodone	2.842	962441	1316.57	29.7	1754.70	387495	104.4272 ng/ml
Oxymorphone	1.411	510166	∞	48.2	∞	157787	99.5542 ng/ml
Phentermine	3.780	395872	843.24	4.9	127.48	451410	106.4931 ng/ml
Promethazine	5.540	376574	60431.71	30.1	1808.77	160981	98.8661 ng/ml
Pseudoephedrine	2.596	2600024	418.19	17.6	333.19	1190470	97.0751 ng/ml
Quetiapine	5.536	859910	31860.62	59.8	20432.72	116883	107.7388 ng/ml
Sertraline	5.786	45274	1075.87	96.7	126.43	20328	87.2796 ng/ml
Temazepam	5.813	1689000	2198.96	26.6	431.52	769503	107.7315 ng/ml
Tramadol	4.253	2453783	∞	3.3	346.99	1217256	100.9216 ng/ml
Trazodone	5.093	731638	27620.53	65.6	2033.15	215124	97.4642 ng/ml
Venlafaxine	5.042	2157964	2075580.04	33.1	10960.68	1079520	95.4998 ng/ml
Zolpidem	4.864	2425392	1214.60	28.1	3449.12	991631	103.3545 ng/ml

# AM #28 Multi-Drug Quant. Results

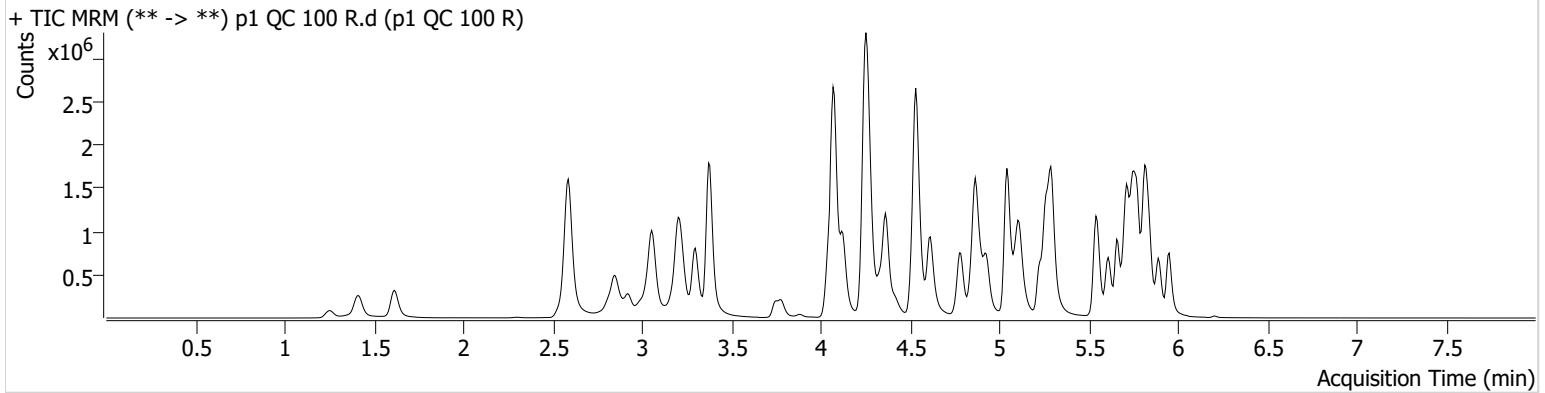
SC



**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 QC 100 R.d  
**Type** QC **Sample** p1 QC 100 R  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-G4 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 9:10:02 PM  
**Sample Info.**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	31881	752.35	69.9	36882.26	78708	10.1474 ng/ml
7-aminoclonazepam	4.258	506333	3936.35	72.6	7705.03	214121	106.7213 ng/ml
a-hydroxyalprazolam	5.688	204848	375.56	67.0	1488.06	808360	100.0777 ng/ml
alpha-PHP	4.928	384451	2020.56	261.8	5686.89	580653	99.6928 ng/ml
alpha-PVP	4.363	1558144	150026.21	51.4	802.76	580653	100.4046 ng/ml
Alprazolam	5.772	940450	1561.95	107.2	840.22	305209	102.9521 ng/ml
Amphetamine	3.057	1818698	410.59	49.7	288.86	237513	107.5334 ng/ml
Benzoylecgonine	3.884	36793	762.34	8.3	1128.79	11862	102.4874 ng/ml
Buprenorphine	5.727	13311	425.06	16.2	2820.78	50212	9.8403 ng/ml
Bupropion	4.785	1079012	20502.17	68.7	432.83	362921	95.8001 ng/ml
Carisoprodol	5.720	929230	757047.25	63.3	369.73	389768	94.4599 ng/ml
** Chlordiazepoxide	5.841	496709	4412.77	83.2	2159.11	565490	101.5642 ng/ml
Chlorpheniramine	5.111	1396199	5741.03	0.3	90.42	613011	100.9770 ng/ml
Citalopram	5.225	739333	873.31	34.8	442866.16	288617	101.3357 ng/ml
Clonazepam	5.607	930388	2166.69	35.9	865.17	121150	111.0260 ng/ml
Clonazolam	5.551	688691	593894.02	37.1	403074.61	121150	117.2192 ng/ml
Cocaine	4.264	1121245	587.94	56.6	658.49	954325	100.7696 ng/ml
Codeine	2.586	149152	819.77	100.9	257.09	70448	109.2743 ng/ml
Cyclobenzaprine	5.624	158833	306.90	7.9	69.64	60773	99.4208 ng/ml
Dextromethorphan	5.268	309561	22053.59	84.0	288.25	138153	100.6562 ng/ml
Dextrorphan	4.124	479649	1269.94	196.9	676.21	469124	101.9641 ng/ml
Diazepam	5.951	672302	6486.05	90.1	625.12	293165	101.1503 ng/ml
Dihydrocodeine	2.565	383257	257.00	68.2	427.12	232537	104.5033 ng/ml
Diphenhydramine	5.296	1819858	11591.79	32.0	∞	969569	95.8509 ng/ml
Doxylamine	4.531	3363915	69365.85	96.8	2209.33	1445296	103.9352 ng/ml
Duloxetine	5.650	9459	227.83	15.4	334.76	4665	101.2562 ng/ml
EDDP	5.261	1329843	817.89	41.0	557.42	644910	98.3669 ng/ml
Etizolam	5.810	422606	1960.01	27.0	148413.33	121150	95.1000 ng/ml
Fentanyl	5.087	25688	126.44	65.6	16603.99	127832	9.9400 ng/ml
Flualprazolam	5.701	375092	5952.56	105.6	6997.95	305209	113.9744 ng/ml
Fluoxetine	5.717	99001	281.60	7.9	937.39	35356	91.3250 ng/ml
Hydrocodone	3.026	552145	849.87	40.0	1002.92	305833	100.6383 ng/ml
Hydromorphone	1.615	545491	6286.89	76.8	3141.39	158383	103.7742 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	349793	11841.73	77.2	3443.11	138153	81.0575 ng/ml
Ketamine	4.050	1150447	2350.09	34.6	293.77	481811	102.7312 ng/ml
Lamotrigine	4.281	104781	411.02	91.8	642.66	1295609	100.3698 ng/ml
Lorazepam	5.743	553534	31186.03	53.6	457.60	428754	101.3688 ng/ml
MDA	3.205	1760765	2326.78	28.9	652.19	459862	105.7780 ng/ml
MDMA	3.298	1084420	394.01	93.1	2449.61	107149	101.1611 ng/ml
Meprobamate	4.901	663920	23120.53	28.4	252.54	316446	103.9712 ng/ml
Methadone	5.655	926495	661.47	55.6	918.87	374238	96.2887 ng/ml
Methamphetamine	3.226	752430	1211.20	38.5	1974.91	371647	102.0901 ng/ml
Metoprolol	4.327	306423	3244.69	101.5	24128.04	1341737	106.4735 ng/ml
Mirtazapine	4.613	1487908	5574.97	53.7	8209.38	580653	84.4586 ng/ml
Mitragynine	5.222	152104	360910.22	34.5	127889.31	374238	84.3444 ng/ml
Morphine	1.253	85664	2081.89	26.9	1656.15	12522	96.4962 ng/ml
Norbuprenorphine	4.997	2106	2397.84	94.9	1828.59	9238	9.5752 ng/ml
Nordiazepam	5.890	726928	40340.95	55.6	1021.92	211076	105.9117 ng/ml
Norfentanyl	4.085	263111	505.30	37.1	3238.68	948994	9.8288 ng/ml
Norhydrocodone	3.074	88215	125.78	39.3	237.35	64109	99.7926 ng/ml
Noroxycodone	2.924	506193	1631.27	47.5	313.98	151586	99.9053 ng/ml
O-desmethyl-tramadol	3.379	3038435	1559.15	5.9	500.02	1551993	99.1938 ng/ml
o-desmethylvenlafaxine	4.076	4254947	341784.04	16.0	3004.20	297953	95.8436 ng/ml
Olanzapine	4.414	191714	2341.22	58.0	202.98	40688	104.8364 ng/ml
Oxazepam	5.753	910972	39105.97	70.3	3848.43	428754	106.4416 ng/ml
Oxycodone	2.842	1047026	2577.22	29.5	1596.81	420869	104.5975 ng/ml
Oxymorphone	1.411	559066	∞	47.4	∞	171521	100.3617 ng/ml
Phentermine	3.780	429657	398.38	5.1	43.92	491316	106.1915 ng/ml
Promethazine	5.540	340989	3914.99	31.3	405.65	144965	99.4137 ng/ml
Pseudoephedrine	2.589	2806606	1844.86	17.8	21492.00	1295609	96.2891 ng/ml
Quetiapine	5.529	944507	18678.81	59.5	531.50	125152	110.5373 ng/ml
Sertraline	5.779	36223	2757.13	100.0	124.51	15541	91.3769 ng/ml
Temazepam	5.813	1733551	1436.13	26.8	344.86	808360	105.2467 ng/ml
Tramadol	4.246	2633699	∞	3.5	222.65	1341737	98.2707 ng/ml
Trazodone	5.093	769779	31910.59	65.7	338.86	228384	96.5926 ng/ml
Venlafaxine	5.042	2334501	1069.65	33.6	678.94	1168164	95.4728 ng/ml
Zolpidem	4.864	2653880	11221.28	28.0	1913.08	1068740	104.9343 ng/ml

SC

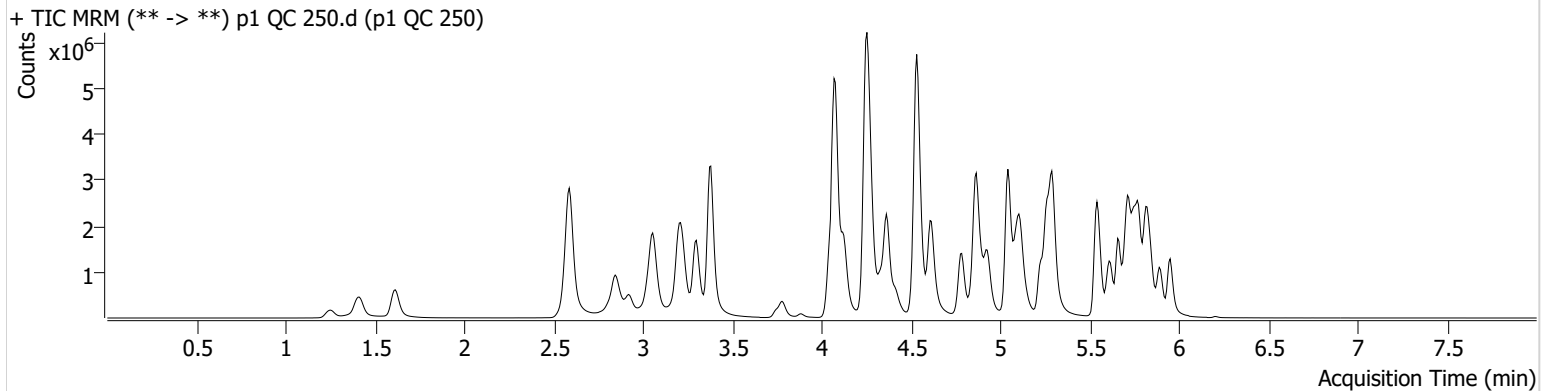


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 QC 250.d  
**Type** QC **Sample** p1 QC 250  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-F4 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 2:31:51 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	75231	1860.22	71.6	1392.31	71895	26.2796 ng/ml
7-aminoclonazepam	4.258	885026	27001.52	71.1	424.75	167415	239.4316 ng/ml
a-hydroxyalprazolam	5.688	326364	1165.57	65.9	263.62	517918	249.2252 ng/ml
alpha-PHP	4.928	807302	27058.67	261.7	55549.14	477935	254.4485 ng/ml
alpha-PVP	4.363	3271093	10902.91	50.8	18911.19	477935	255.9701 ng/ml
Alprazolam	5.772	1861189	1362.66	104.2	1190.88	240061	258.4571 ng/ml
Amphetamine	3.057	3450583	50789.86	49.4	22562.72	196706	247.2161 ng/ml
Benzoylecgonine	3.884	86996	3963.46	8.2	13452.72	11383	252.3471 ng/ml
Buprenorphine	5.720	23323	1299.46	17.1	4614.53	36959	23.4800 ng/ml
Bupropion	4.785	2141100	43748.19	68.5	2387.77	282864	244.0501 ng/ml
Carisoprodol	5.720	1671469	6334768.31	63.1	4727.49	267188	247.0012 ng/ml
** Chlordiazepoxide	<del>5.841</del>	<del>859072</del>	<del>9876.95</del>	<del>77.2</del>	<del>1472.83</del>	<del>425224</del>	<del>234.5107 ng/ml</del>
Chlorpheniramine	5.111	3174957	1100.68	0.3	200.73	558752	251.8369 ng/ml
Citalopram	5.225	1616329	366.44	33.3	1267.88	240849	265.0749 ng/ml
Clonazepam	5.607	1710084	2726.88	35.9	976.60	93361	265.8084 ng/ml
Clonazolam	5.551	1238378	616919.12	37.7	203747.13	93361	274.3544 ng/ml
Cocaine	4.264	2342719	33168.35	57.4	52678.41	794526	252.8322 ng/ml
Codeine	2.586	296633	3469.99	98.3	8725.70	59500	258.5465 ng/ml
Cyclobenzaprine	5.624	496836	336.03	7.7	272.22	76201	247.8392 ng/ml
Dextromethorphan	5.268	660367	8701.23	84.0	469.43	114222	259.7511 ng/ml
Dextrorphan	4.124	1018607	954.04	199.0	1941.06	388503	261.0432 ng/ml
Diazepam	5.951	1343615	1586.88	89.8	953.50	235680	251.7491 ng/ml
Dihydrocodeine	2.565	801953	12311.06	70.8	845.46	213636	238.8185 ng/ml
Diphenhydramine	5.289	4080017	585.75	31.8	30704.24	820816	253.5564 ng/ml
Doxylamine	4.531	7792668	293944.01	96.5	9562.47	1284936	270.7374 ng/ml
Duloxetine	5.650	36020	1557.66	13.8	4517.35	7481	241.0090 ng/ml
EDDP	5.261	2863689	1773.87	40.2	35532.50	545192	250.5020 ng/ml
Etizolam	5.810	889441	14133.19	26.9	193009.67	93361	259.1437 ng/ml
Fentanyl	5.087	66280	537.11	67.6	145.19	131626	24.8688 ng/ml
Flualprazolam	5.701	686522	22142.26	109.9	42468.24	240061	266.5979 ng/ml
Fluoxetine	5.717	343344	7029.35	7.8	456.73	43908	255.3916 ng/ml
Hydrocodone	3.026	1197470	726.44	40.4	159.87	270803	247.3710 ng/ml
Hydromorphone	1.615	1184220	2782.27	78.5	4844121.86	142501	250.4092 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	827256	16842.53	77.0	8735.79	114222	230.2972 ng/ml
Ketamine	4.043	2433388	88500.75	33.3	594.39	413205	254.3868 ng/ml
Lamotrigine	4.281	213233	4331.22	90.9	1765.00	1079227	245.9948 ng/ml
Lorazepam	5.743	726163	12078.99	53.4	3562.84	256759	223.8352 ng/ml
MDA	3.205	3443578	929.44	28.3	2885.34	370270	257.8807 ng/ml
MDMA	3.298	2397911	16424.01	92.9	9300.30	90757	263.9176 ng/ml
Meprobamate	4.901	1234259	458.76	28.7	315505.58	243631	251.8147 ng/ml
Methadone	5.655	1980465	29882.67	57.5	1192.18	312812	245.9704 ng/ml
Methamphetamine	3.226	1580430	737.24	37.9	7910.78	318916	250.8432 ng/ml
Metoprolol	4.327	653268	243591.11	101.2	1384.06	1118669	273.2005 ng/ml
Mirtazapine	4.613	3391713	1494.02	54.3	1443.25	477935	233.1363 ng/ml
Mitragynine	5.215	338764	799.59	34.9	1206.17	312812	225.6698 ng/ml
Morphine	1.253	193162	4958.13	28.0	812.03	10472	260.2284 ng/ml
Norbuprenorphine	4.997	4648	17.03	97.3	4361.50	7661	25.5845 ng/ml
Nordiazepam	5.890	1351745	12267.66	54.7	850.41	158821	262.0320 ng/ml
Norfentanyl	4.091	556146	1750.18	37.2	1054.06	747906	26.2684 ng/ml
Norhydrocodone	3.074	184850	754.22	41.7	223.72	49316	270.5059 ng/ml
Noroxycodone	2.917	985285	3395.86	48.1	801.15	119333	246.9937 ng/ml
O-desmethyl-tramadol	3.379	7083520	2485.02	5.8	20649.14	1372390	261.0075 ng/ml
o-desmethylvenlafaxine	4.076	9614600	128750.49	15.4	4972.53	253572	253.7408 ng/ml
Olanzapine	4.414	584716	2234.10	58.2	1247.71	49229	263.6159 ng/ml
Oxazepam	5.746	1326197	2796.44	68.7	11749.61	256759	259.4196 ng/ml
Oxycodone	2.842	2176974	1194.32	30.2	11031.88	378233	243.0307 ng/ml
Oxymorphone	1.411	1181967	∞	46.5	485.90	142935	254.7064 ng/ml
Phentermine	3.780	880823	3761.22	4.9	70.50	419383	256.0287 ng/ml
Promethazine	5.540	1072084	38664.36	31.5	495.16	177281	255.4347 ng/ml
Pseudoephedrine	2.589	6099623	2271.36	17.3	35854.59	1079227	250.3057 ng/ml
Quetiapine	5.529	2132448	42553.12	61.2	542.14	116623	268.7803 ng/ml
Sertraline	5.786	126145	3386.65	94.4	230.66	21129	235.3872 ng/ml
Temazepam	5.813	2704109	538.00	27.0	644.81	517918	256.9428 ng/ml
Tramadol	4.246	5844093	4293.60	3.7	175.88	1118669	261.6099 ng/ml
Trazodone	5.086	2005825	102048.00	68.4	58916.92	230390	249.2535 ng/ml
Venlafaxine	5.042	5376001	12647.22	31.5	17766.39	1015259	252.0937 ng/ml
Zolpidem	4.864	5981051	20183.89	27.3	47851.57	992916	254.8090 ng/ml

SC

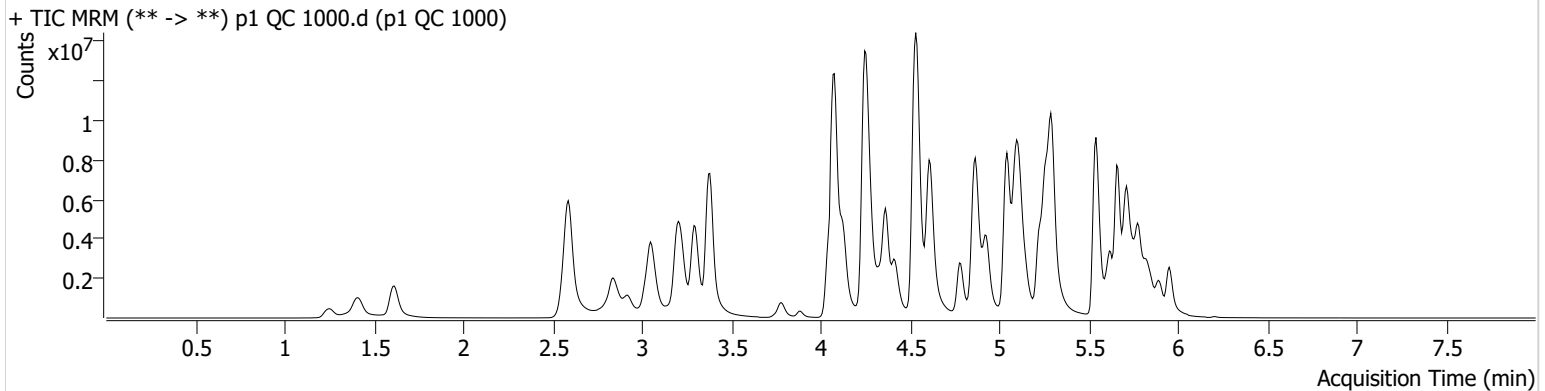


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 QC 1000.d  
**Type** QC **Sample** p1 QC 1000  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-E4 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 2:53:07 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	266929	8334.27	68.8	230809.39	62871	106.7523 ng/ml
* 7-aminoclonazepam	<del>4.258</del>	<del>1411234</del>	<del>1943.36</del>	<del>71.3</del>	<del>3946.29</del>	<del>91577</del>	<del>699.2791 ng/ml</del>
a-hydroxyalprazolam	5.681	413884	367.34	65.7	311.65	159465	1027.2819 ng/ml
alpha-PHP	4.928	2574401	47991.40	267.7	3367.29	302508	1282.2513 ng/ml
alpha-PVP	4.363	8687100	323058.06	50.6	23551.81	302508	1073.7603 ng/ml
Alprazolam	5.772	3934750	∞	101.8	∞	128829	1017.0482 ng/ml
* Amphetamine	<del>3.050</del>	<del>7191462</del>	<del>118470.92</del>	<del>48.7</del>	<del>3856.64</del>	<del>136721</del>	<del>742.6342 ng/ml</del>
Benzoylcegonine	3.884	365582	16113.26	8.2	435.87	11594	1040.7875 ng/ml
Buprenorphine	5.720	103455	323238.66	15.6	3052.57	33231	115.9919 ng/ml
Bupropion	4.778	4300892	520660.33	67.5	46255.47	143167	968.8699 ng/ml
Carisoprodol	5.727	2344863	370928.03	63.9	15965.46	86763	1065.3271 ng/ml
** Chlordiazepoxide	<del>5.841</del>	<del>1344716</del>	<del>19659.36</del>	<del>101.2 High</del>	<del>2506.66</del>	<del>199237</del>	<del>785.0873 ng/ml</del>
Chlorpheniramine	5.111	16041376	41488.77	0.3	1563.26	659609	1077.6613 ng/ml
Citalopram	5.225	6347709	814.44	33.3	1058.53	228095	1098.4400 ng/ml
Clonazepam	5.607	2829770	162722.70	35.5	938.36	48670	845.3032 ng/ml
Clonazolam	5.558	1850420	1233019.60	39.0	105264.25	48670	787.5538 ng/ml
Cocaine	4.264	6182726	428.50	56.6	550.79	509828	1039.7366 ng/ml
Codeine	2.586	625134	∞	102.8	16921.24	40200	808.3899 ng/ml
Cyclobenzaprine	5.624	3963253	9089.64	7.4	252.82	140242	1073.7876 ng/ml
Dextromethorphan	5.268	2565758	269.12	82.7	541.24	110846	1040.0402 ng/ml
Dextrorphan	4.124	3267505	1477.06	204.7	8175.59	304578	1067.2676 ng/ml
Diazepam	5.951	3329757	13652.68	89.3	4413.78	151750	969.5012 ng/ml
* Dihydrocodeine	<del>2.558</del>	<del>2194886</del>	<del>18152.17</del>	<del>71.9</del>	<del>29365.06</del>	<del>188128</del>	<del>743.5793 ng/ml</del>
Diphenhydramine	5.296	16272563	574.47	32.4	408.19	790671	1049.2966 ng/ml
Doxylamine	4.537	23665027	317084.13	97.5	640583.69	1165749	906.1257 ng/ml
Duloxetine	5.650	257341	1874.84	13.8	1276.81	13551	951.6917 ng/ml
EDDP	5.261	10564750	1783.34	39.4	544.17	474748	1061.1457 ng/ml
Etizolam	5.810	2047121	1324.63	26.9	186608.81	48670	1142.9679 ng/ml
Fentanyl	5.087	405257	241.38	67.5	421267.08	207344	96.4524 ng/ml
Flualprazolam	5.701	1026259	21984.42	115.3	48467.18	128829	744.4820 ng/ml
Fluoxetine	5.717	2529689	90263.38	7.5	232809.65	71508	1156.1111 ng/ml
Hydrocodone	3.019	3537481	∞	42.2	827.79	225676	878.4340 ng/ml



SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.615	3738470	21403492.65	78.0	13517327.9 1	109345	1030.2554 ng/ml
Hydroxyzine	5.700	4433650	136996.78	78.6	433604.14	110846	1268.0549 ng/ml
Ketamine	4.043	6550115	157822.48	32.4	804.13	310793	912.1737 ng/ml
Lamotrigine	4.287	421415	14061.28	88.4	115435.55	670731	783.4384 ng/ml
Lorazepam	5.743	855061	22172.27	52.7	1245.35	68743	989.4988 ng/ml
MDA	3.198	8709340	105219.89	27.2	2047.13	265131	912.5475 ng/ml
MDMA	3.292	7684718	256438.43	92.7	629.81	74209	1034.0850 ng/ml
Meprobamate	4.901	2341329	1852.65	28.1	6666.26	118930	980.0872 ng/ml
Methadone	5.662	10665423	2360902.94	55.8	108005.34	389100	1064.3357 ng/ml
Methamphetamine	3.226	4272735	50054.18	37.5	24894.38	235590	919.7710 ng/ml
Metoprolol	4.327	1680125	3949.24	101.8	135360.60	856587	919.0478 ng/ml
* Mirtazapine	<del>4.607</del>	<del>14248377</del>	<del>422037.03</del>	<del>52.8</del>	<del>134750.03</del>	<del>302508</del>	<del>1544.9129 ng/ml</del>
Mitragynine	5.215	1583910	2927150.77	36.2	304866.67	389100	849.8051 ng/ml
Morphine	1.253	584212	4112.34	27.8	1150.76	8667	951.0057 ng/ml
Norbuprenorphine	4.997	24821	5769.82	97.2	192.37	11455	91.5182 ng/ml
Nordiazepam	5.897	2449465	16238.78	55.0	15879.09	78222	964.5961 ng/ml
* Norfentanyl	<del>4.091</del>	<del>1349746</del>	<del>25257.92</del>	<del>37.1</del>	<del>7993.13</del>	<del>385380</del>	<del>123.5192 ng/ml</del>
* Norhydrocodone	<del>3.074</del>	<del>632800</del>	<del>961.44</del>	<del>40.8</del>	<del>∞</del>	<del>35512</del>	<del>1283.0818 ng/ml</del>
* Noroxycodone	<del>2.917</del>	<del>2203045</del>	<del>6318.11</del>	<del>47.4</del>	<del>9268.32</del>	<del>63934</del>	<del>1030.7389 ng/ml</del>
O-desmethyl-tramadol	3.379	20587214	∞	6.0	69525.67	1014519	1025.2605 ng/ml
o-desmethylvenlafaxine	4.076	26300693	430937.74	15.3	3617.62	158907	1106.1046 ng/ml
Olanzapine	4.414	4049591	2340.53	58.3	1098.89	86719	1035.1530 ng/ml
Oxazepam	5.746	1314758	19292.75	70.2	8011.00	68743	961.8400 ng/ml
Oxycodone	2.828	5922718	∞	30.2	∞	312651	801.6954 ng/ml
Oxymorphone	1.405	3440815	∞	46.2	1711.28	102639	1032.7545 ng/ml
Phentermine	3.780	2269154	8157.54	4.8	1673.16	312463	887.0073 ng/ml
Promethazine	5.540	8821873	8012.79	29.2	3640.32	330631	1126.6869 ng/ml
Pseudoephedrine	2.589	16518578	185302.65	16.8	147582.24	670731	1088.7850 ng/ml
Quetiapine	5.529	7227205	93352.39	61.1	83737.35	130835	813.3587 ng/ml
Sertraline	5.786	1106562	686.18	92.6	70107.68	42789	1022.4137 ng/ml
Temazepam	5.813	3121333	14888.78	27.5	2954.20	159465	964.6261 ng/ml
Tramadol	4.246	15316856	∞	3.6	451.99	856587	895.5400 ng/ml
Trazodone	5.086	7904284	148085.95	76.4	356597.41	229267	986.5742 ng/ml
Venlafaxine	5.042	17405788	442602.97	31.2	3307.56	790384	1046.7375 ng/ml
Zolpidem	4.864	18455084	444460.95	27.2	80561.80	852662	916.0348 ng/ml

\*OCR

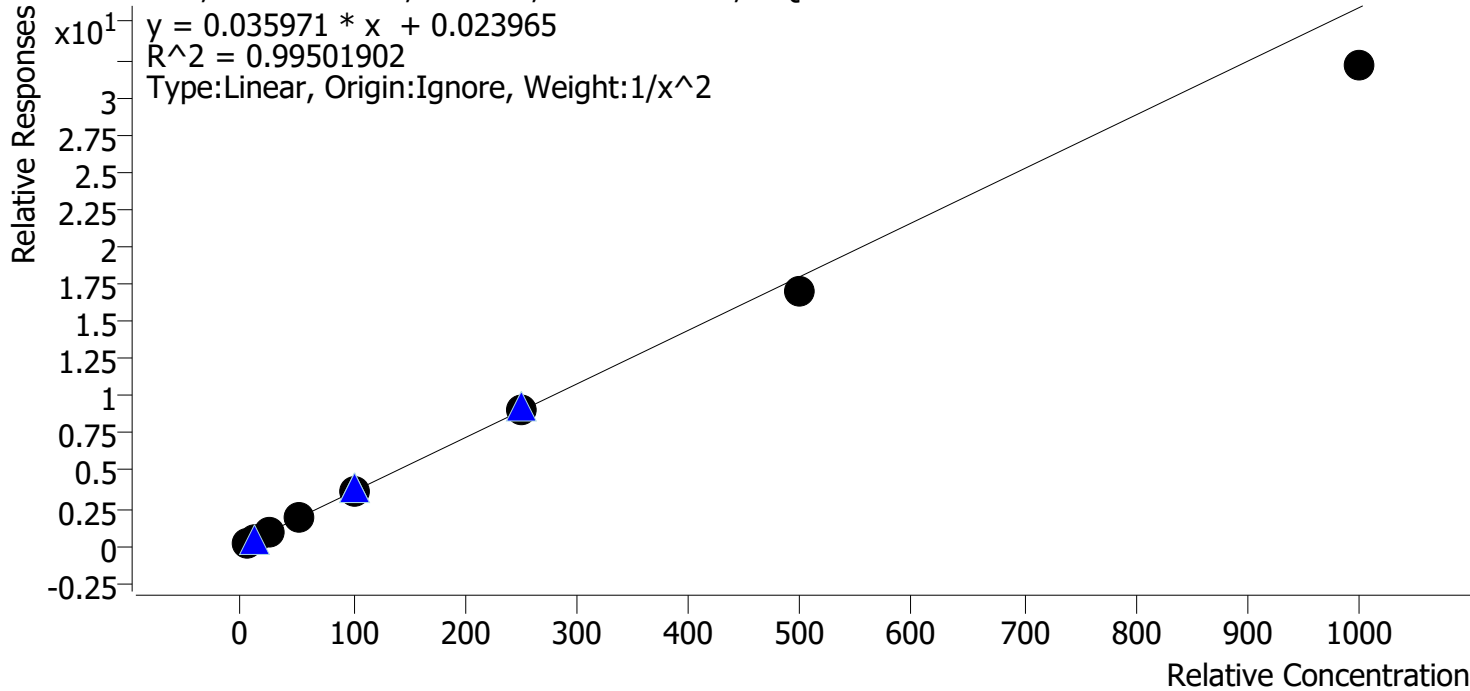
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



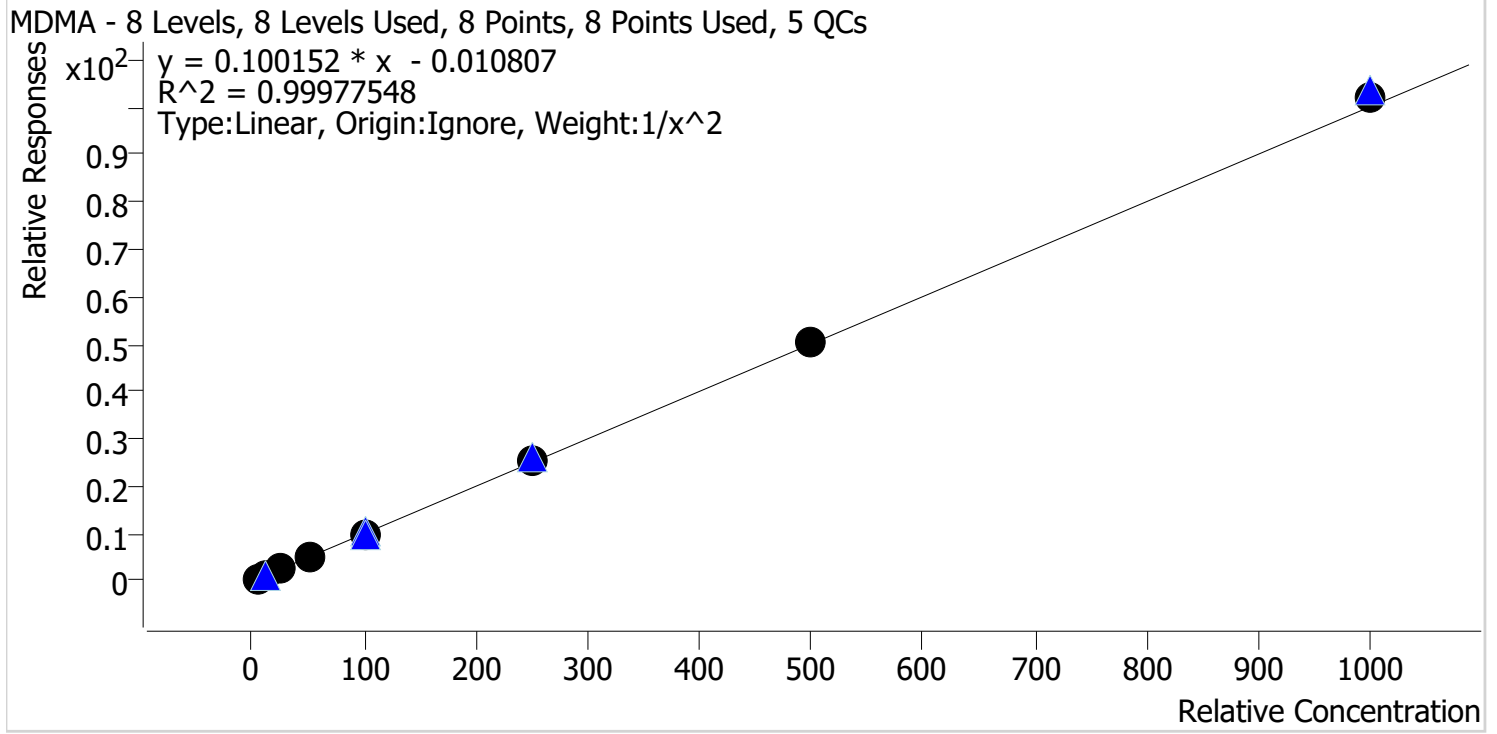
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.8
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	471.5	94.3
p1 Cal 8-1000ng	8	✓	1000.0	895.7	89.6

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1016.4	101.6

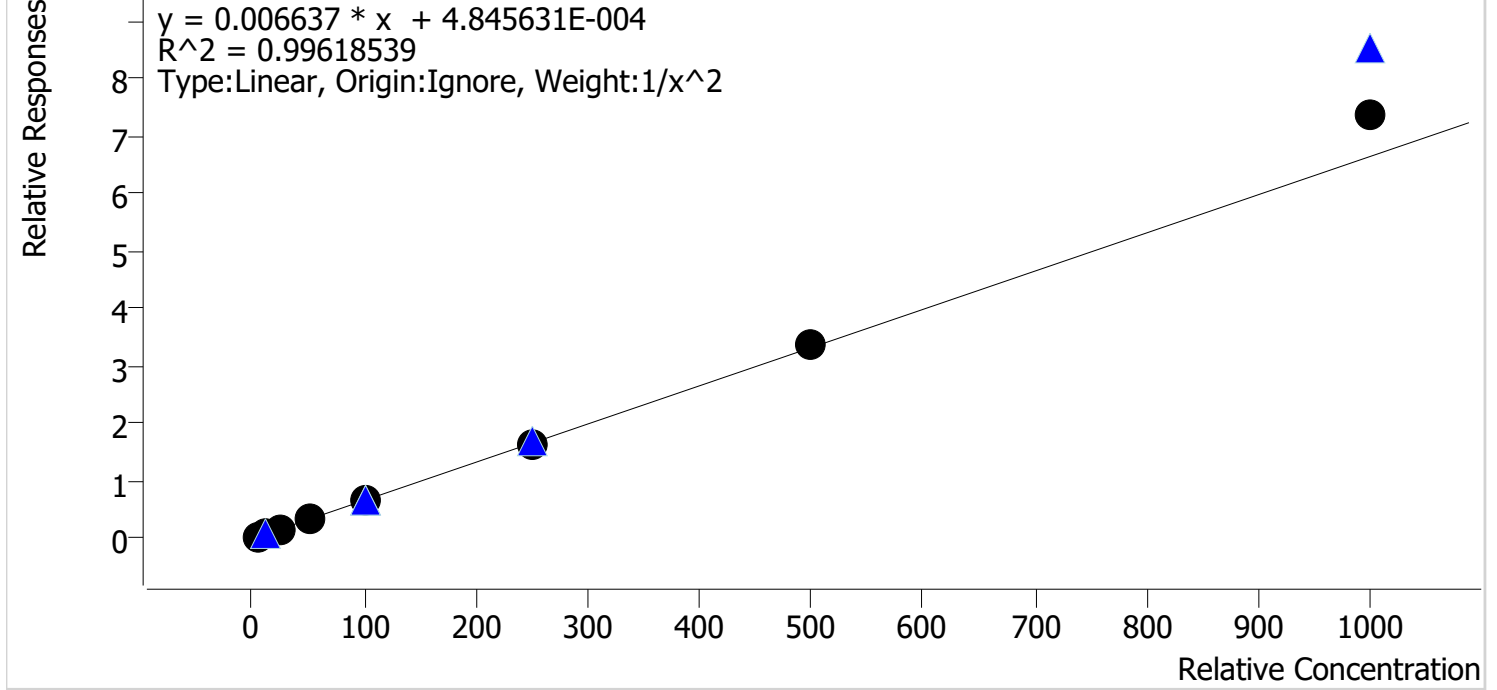
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-D8

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



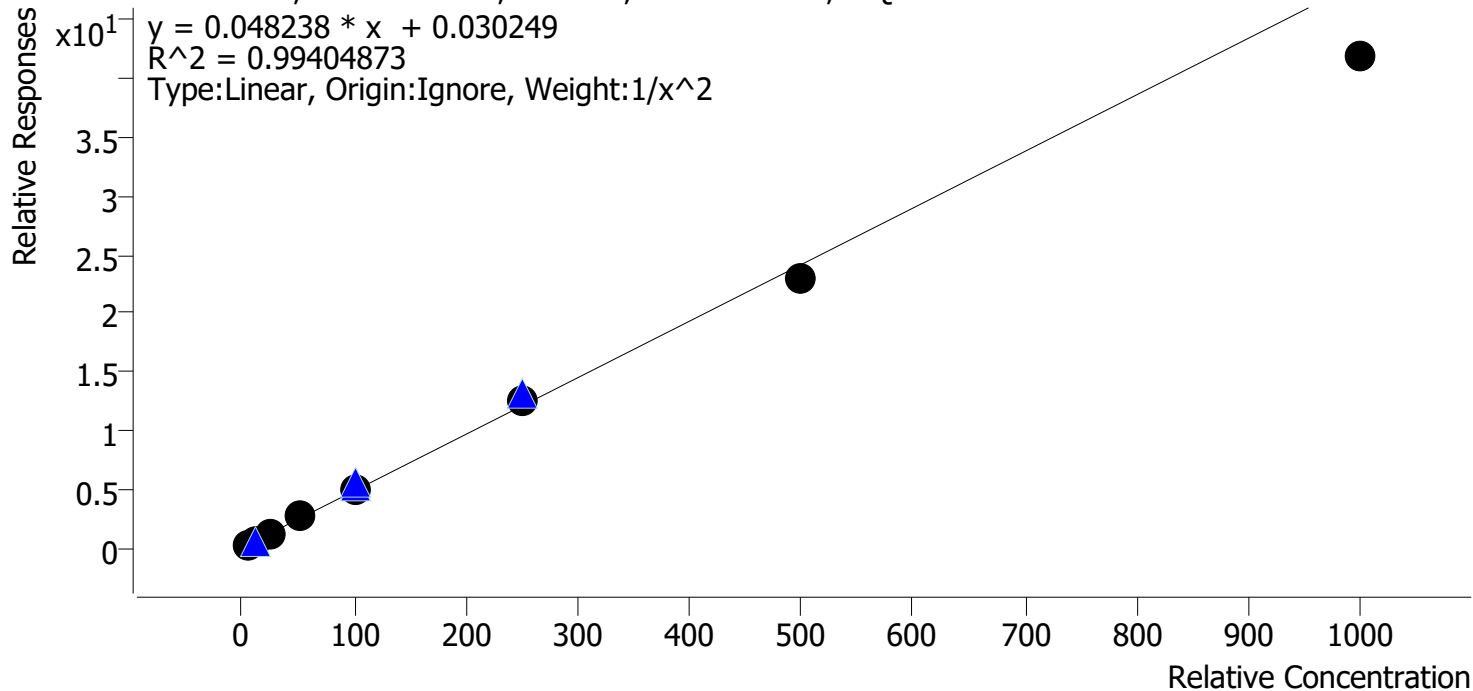
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	244.4	97.7
p1 Cal 7-500ng	7	✓	500.0	507.1	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1112.8	111.3



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	474.1	94.8
p1 Cal 8-1000ng	8	✓	1000.0	867.6	86.8

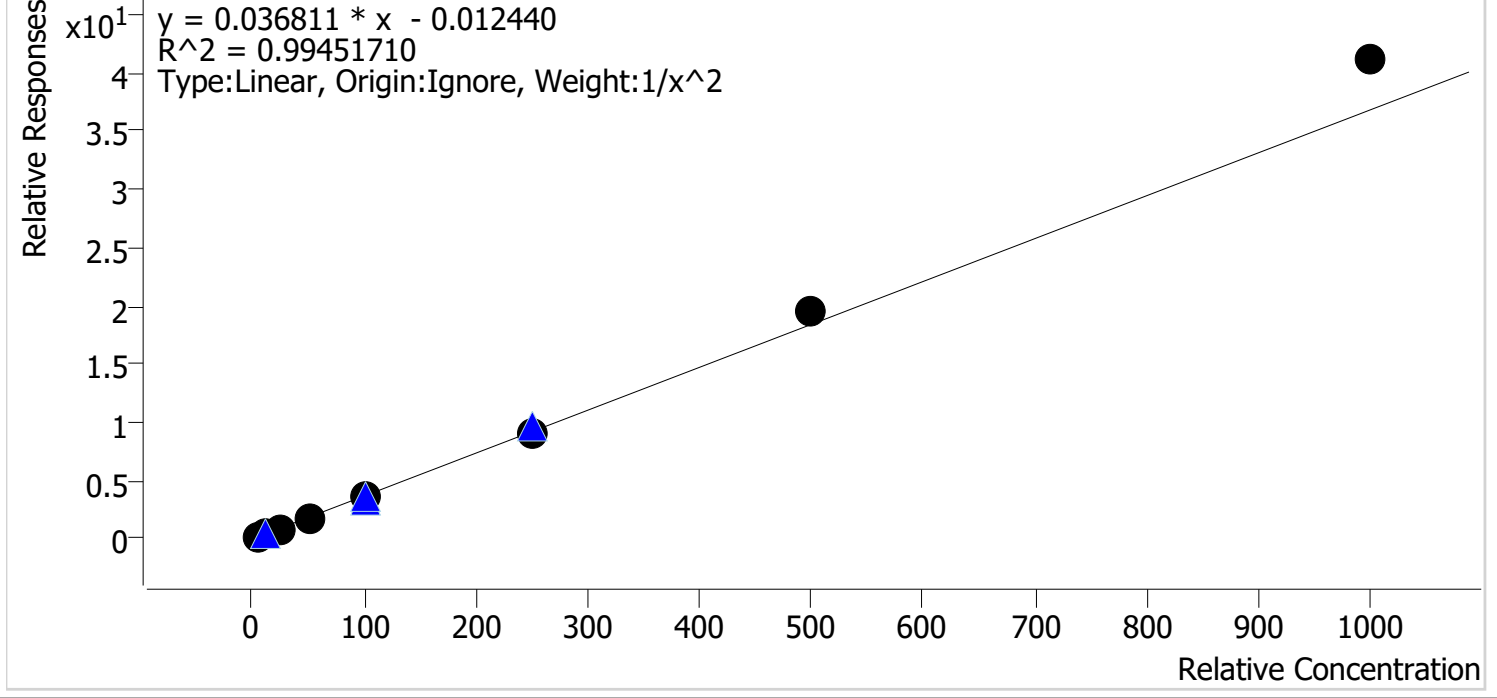
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



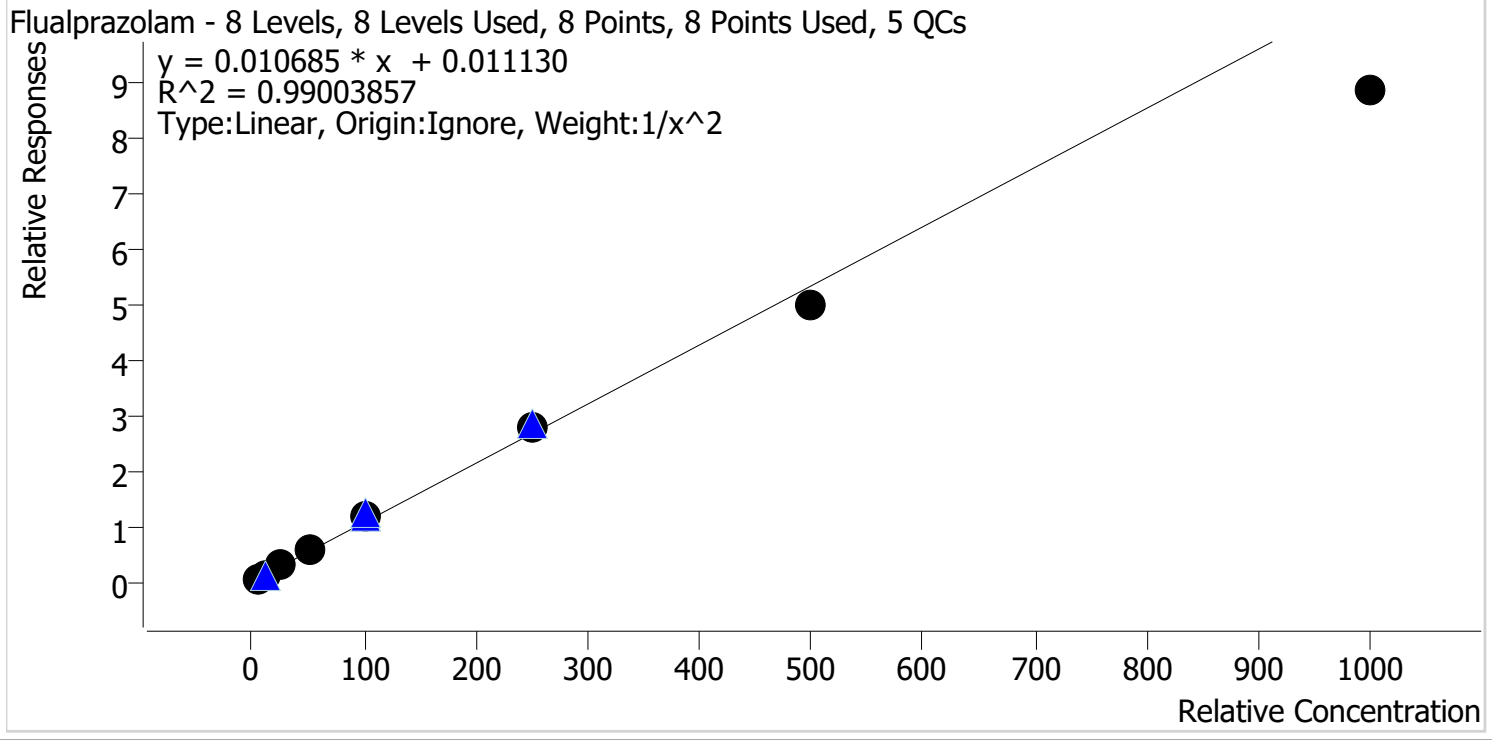
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	46.3	92.5
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	529.3	105.9
p1 Cal 8-1000ng	8	✓	1000.0	1118.7	111.9

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



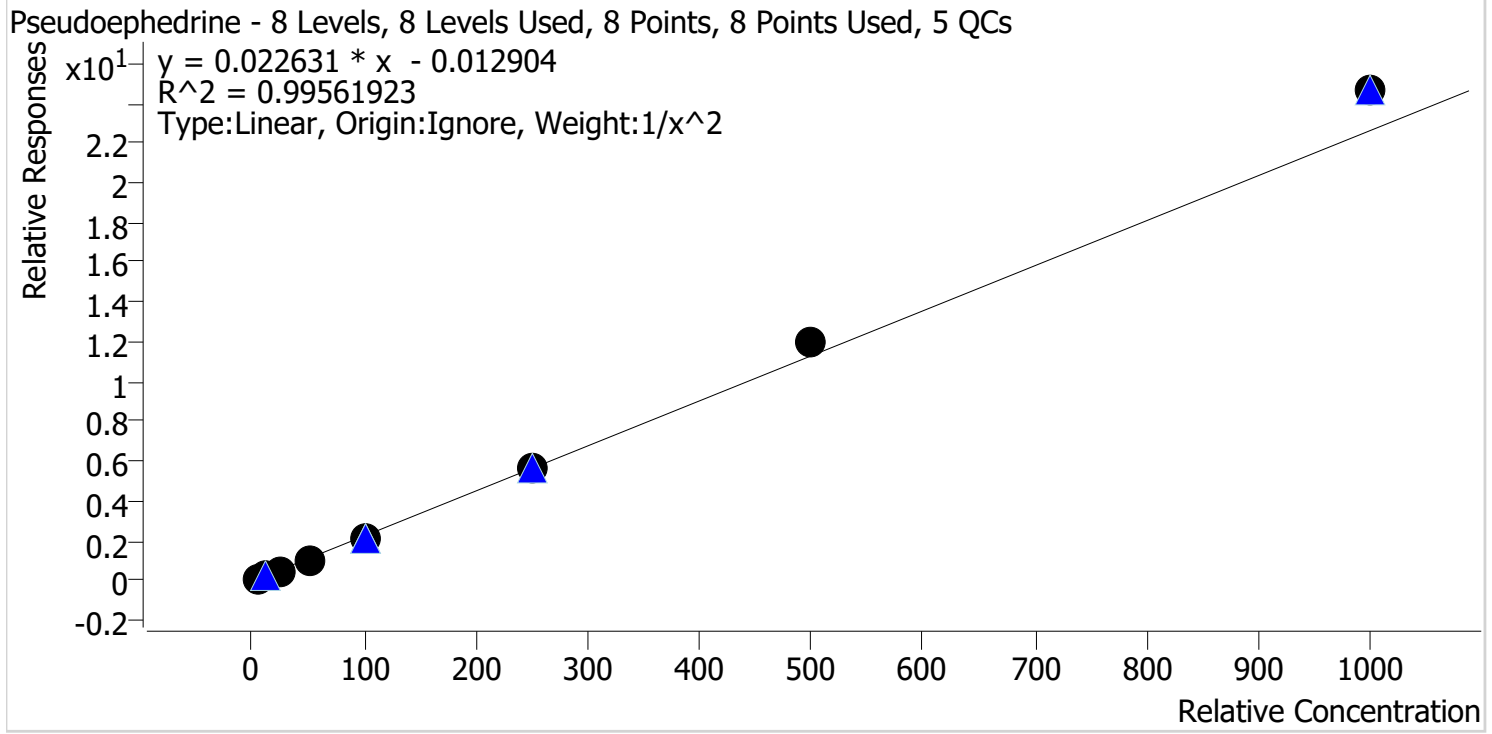
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.2
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	108.3	108.3
p1 Cal 6-250ng	6	✓	250.0	260.0	104.0
p1 Cal 7-500ng	7	✓	500.0	466.8	93.4
p1 Cal 8-1000ng	8	✓	1000.0	830.0	83.0

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.6
p1 Cal 4-50ng	4	✓	50.0	46.8	93.5
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	528.0	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1088.4	108.8

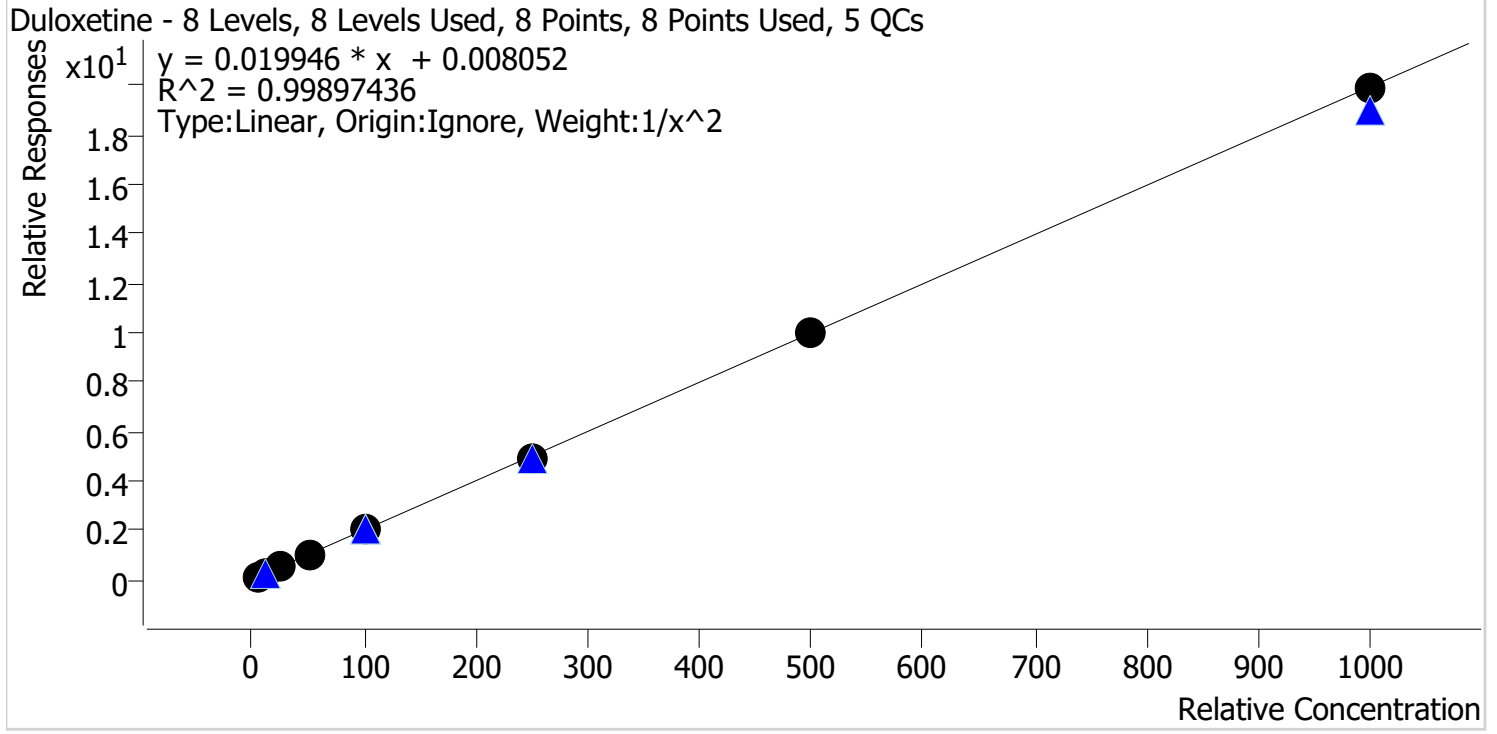


SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.6	105.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	996.5	99.7

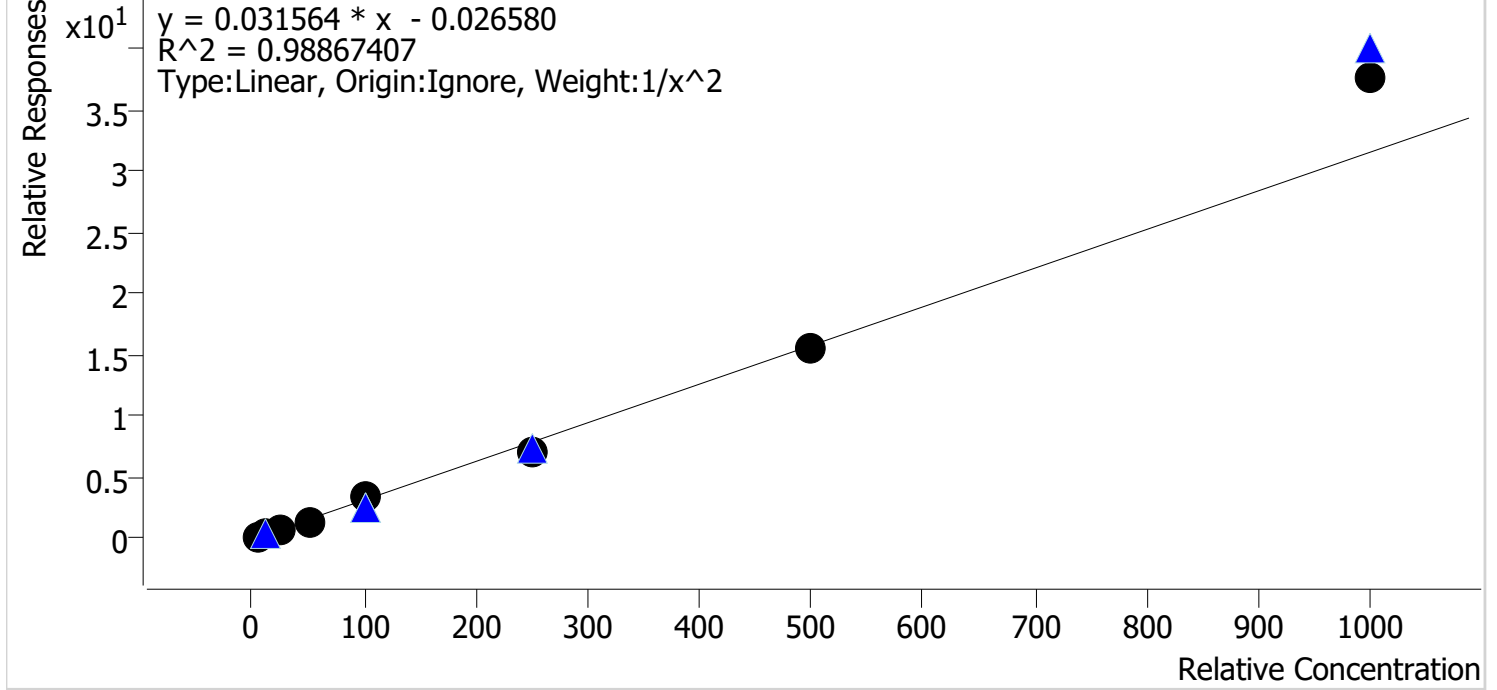
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydroxyzine **Internal Standard** Dextromethorphan-D3

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



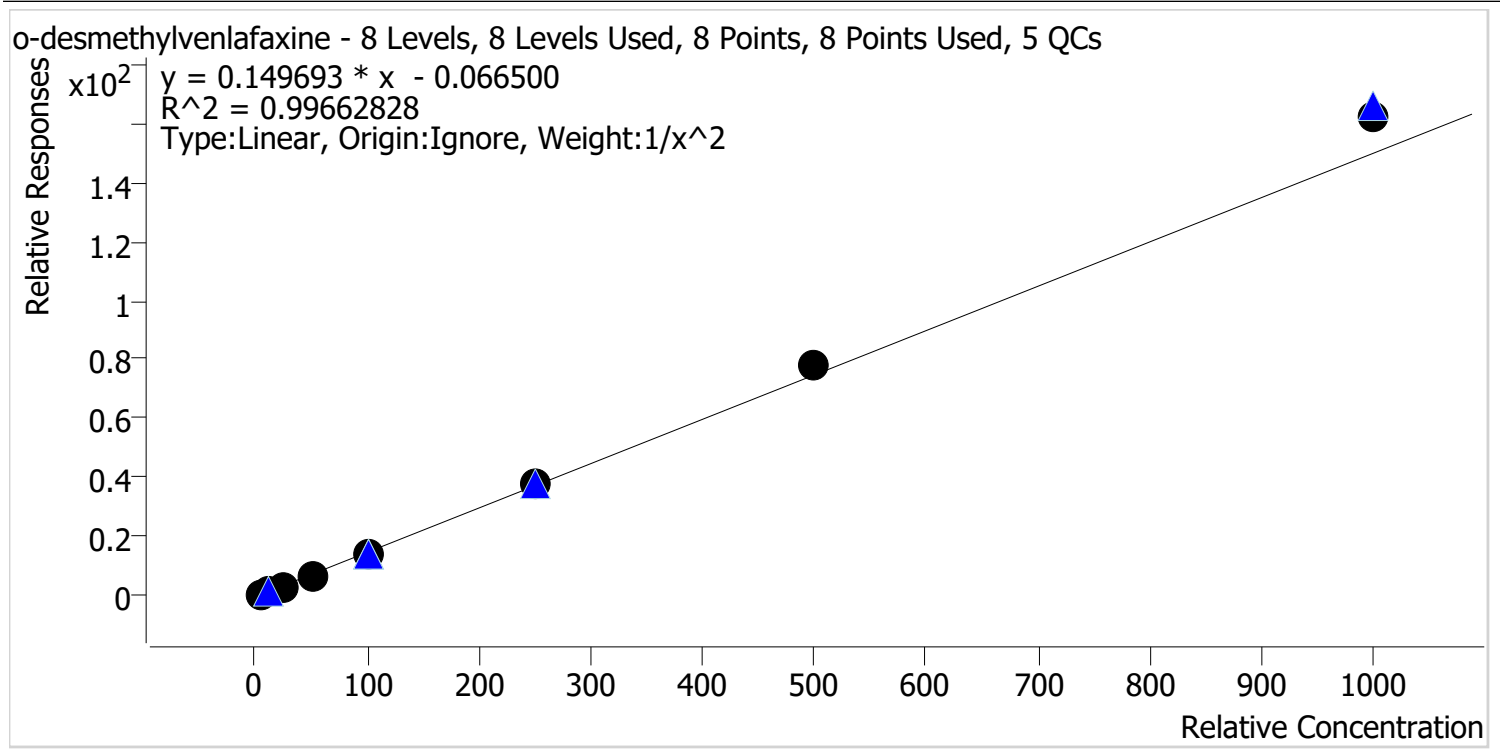
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.5	95.4
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.2
p1 Cal 4-50ng	4	✓	50.0	45.6	91.2
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	226.0	90.4
p1 Cal 7-500ng	7	✓	500.0	495.5	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1189.0	118.9

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6



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	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	47.1	94.2
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	524.8	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1084.1	108.4

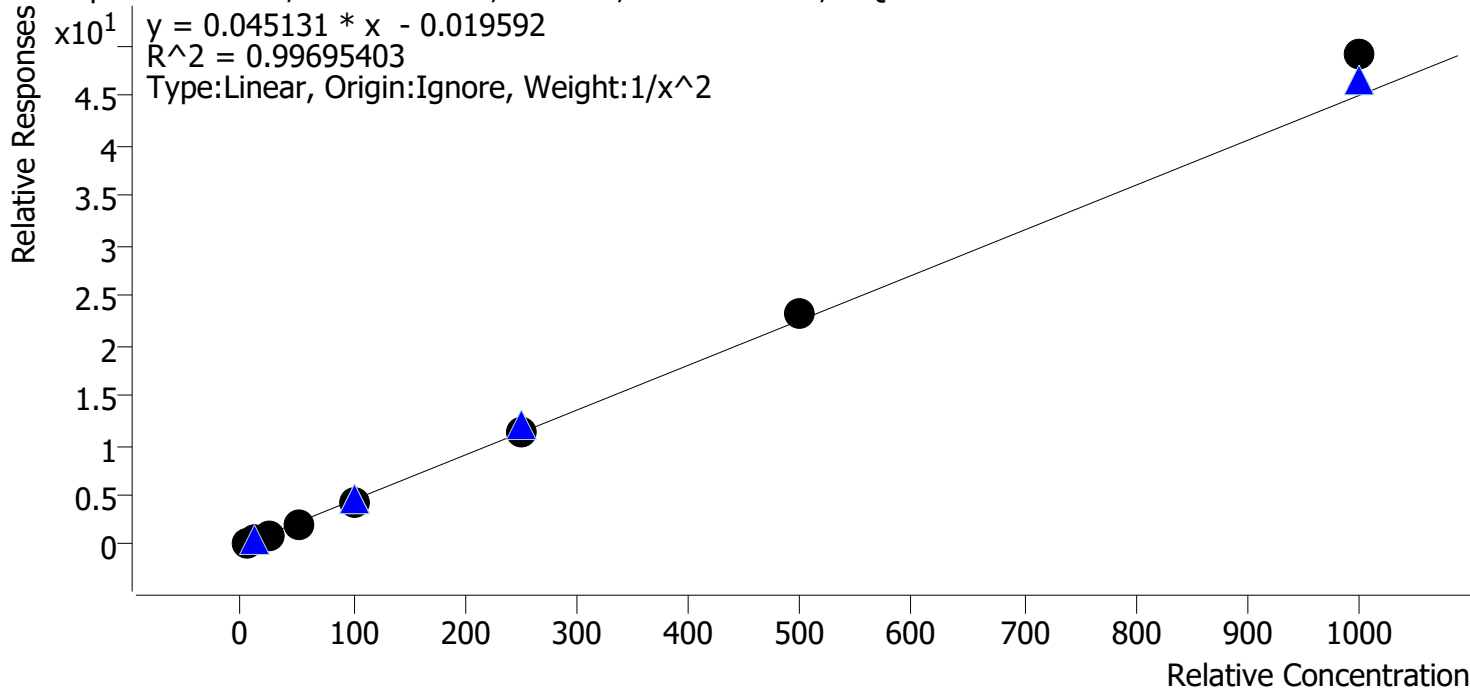
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Olanzapine **Internal Standard** Olanzapine-D8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	47.8	95.5
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	515.2	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1090.7	109.1

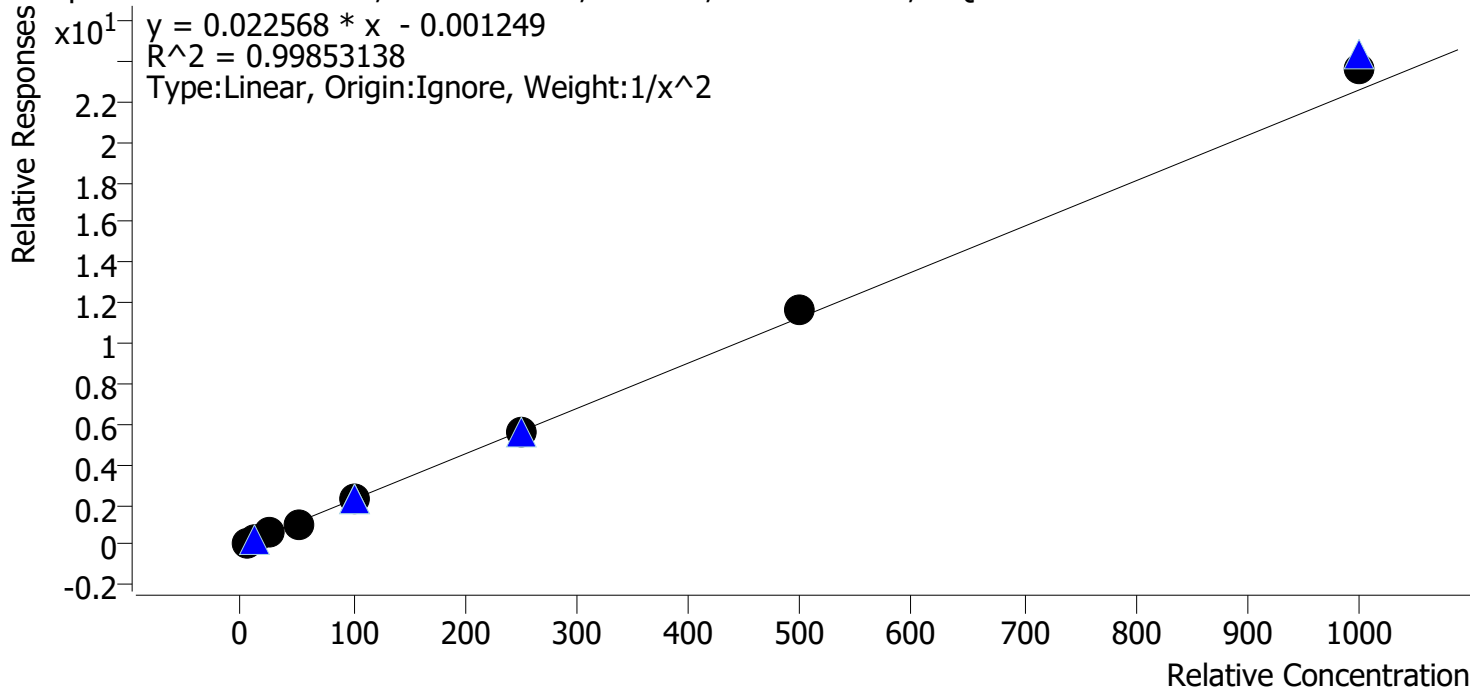
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Chlorpheniramine **Internal Standard** Chlorpheniramine-D6

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



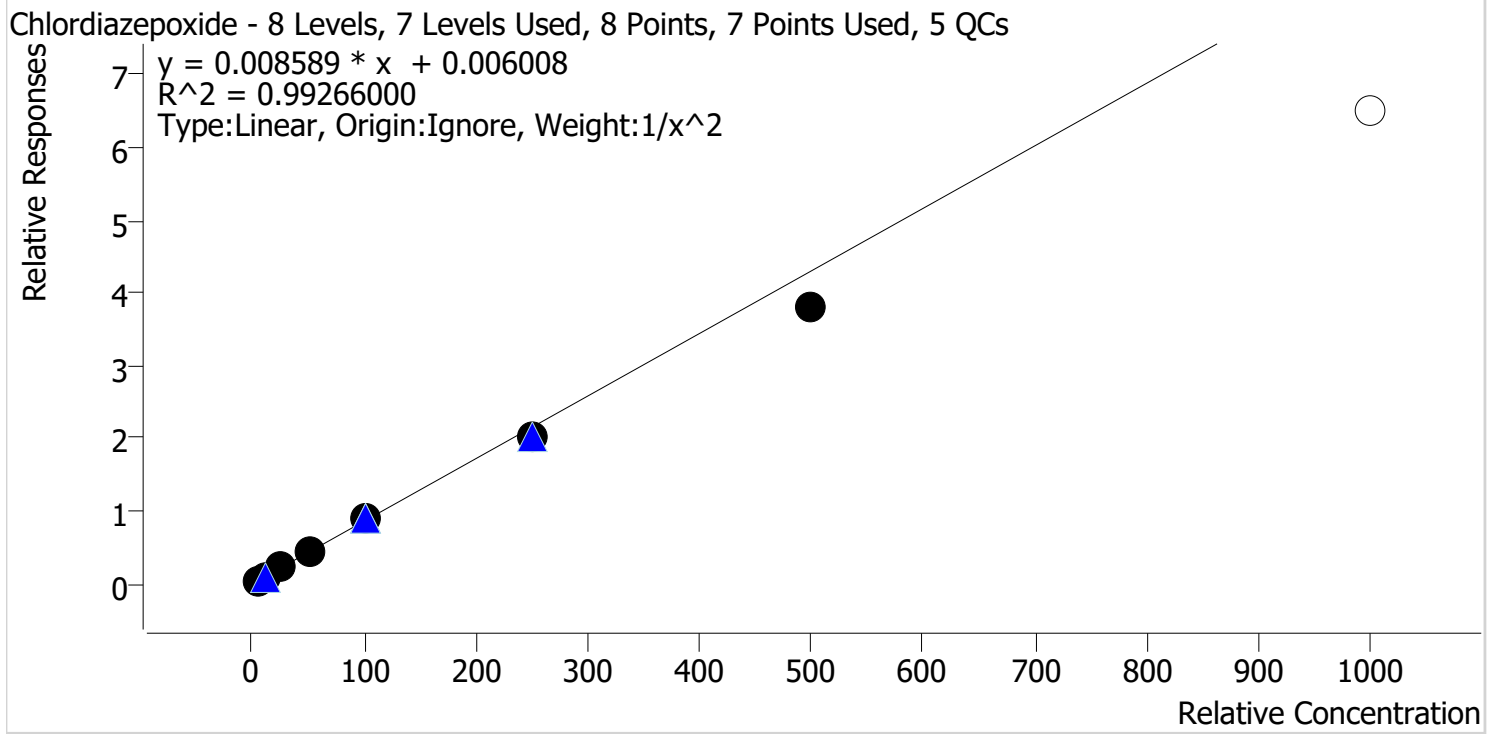
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	47.6	95.1
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	518.5	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1047.9	104.8

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Chlordiazepoxide **Internal Standard** Chlordiazepoxide-D5



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	10.6	106.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	237.1	94.8
p1 Cal 7-500ng	7	✓	500.0	440.2	88.0
p1 Cal 8-1000ng	8	x	1000.0	758.2	75.8

Compound not evaluated.

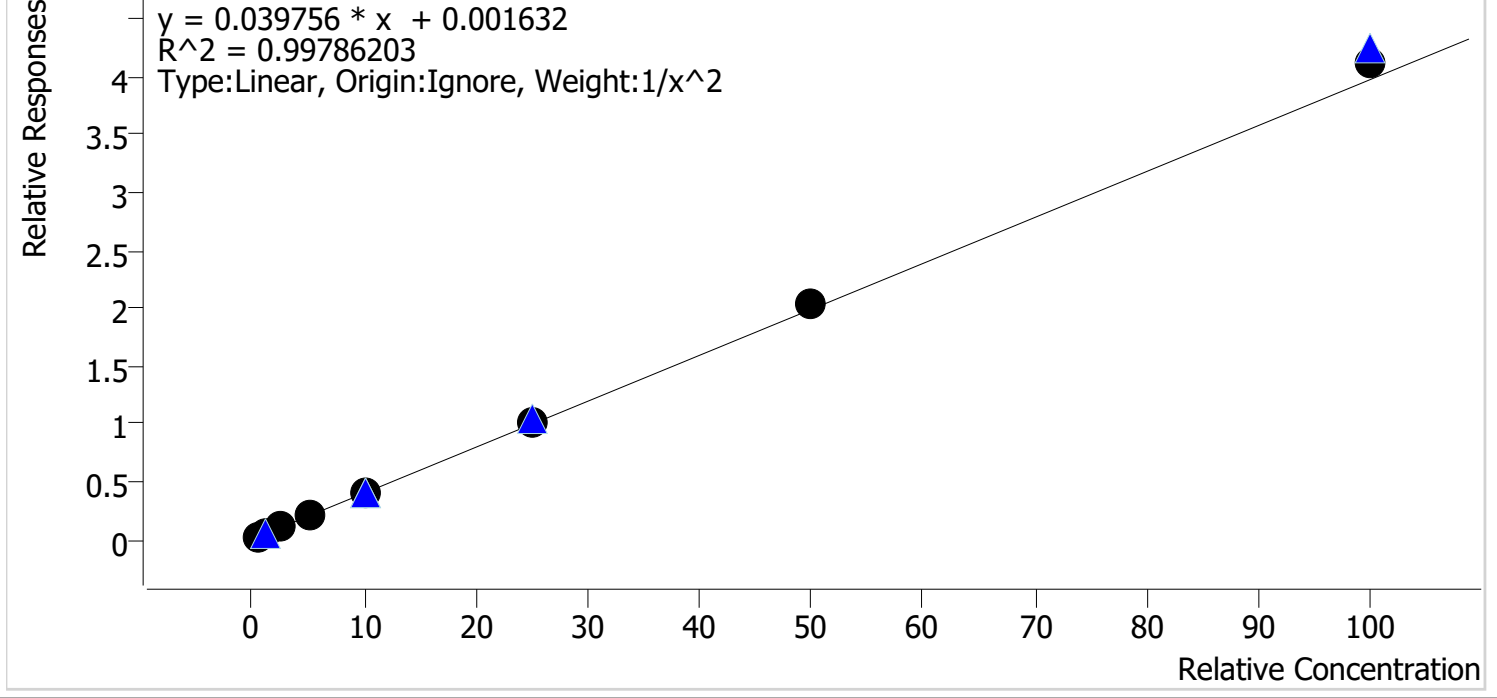
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

6-MAM - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

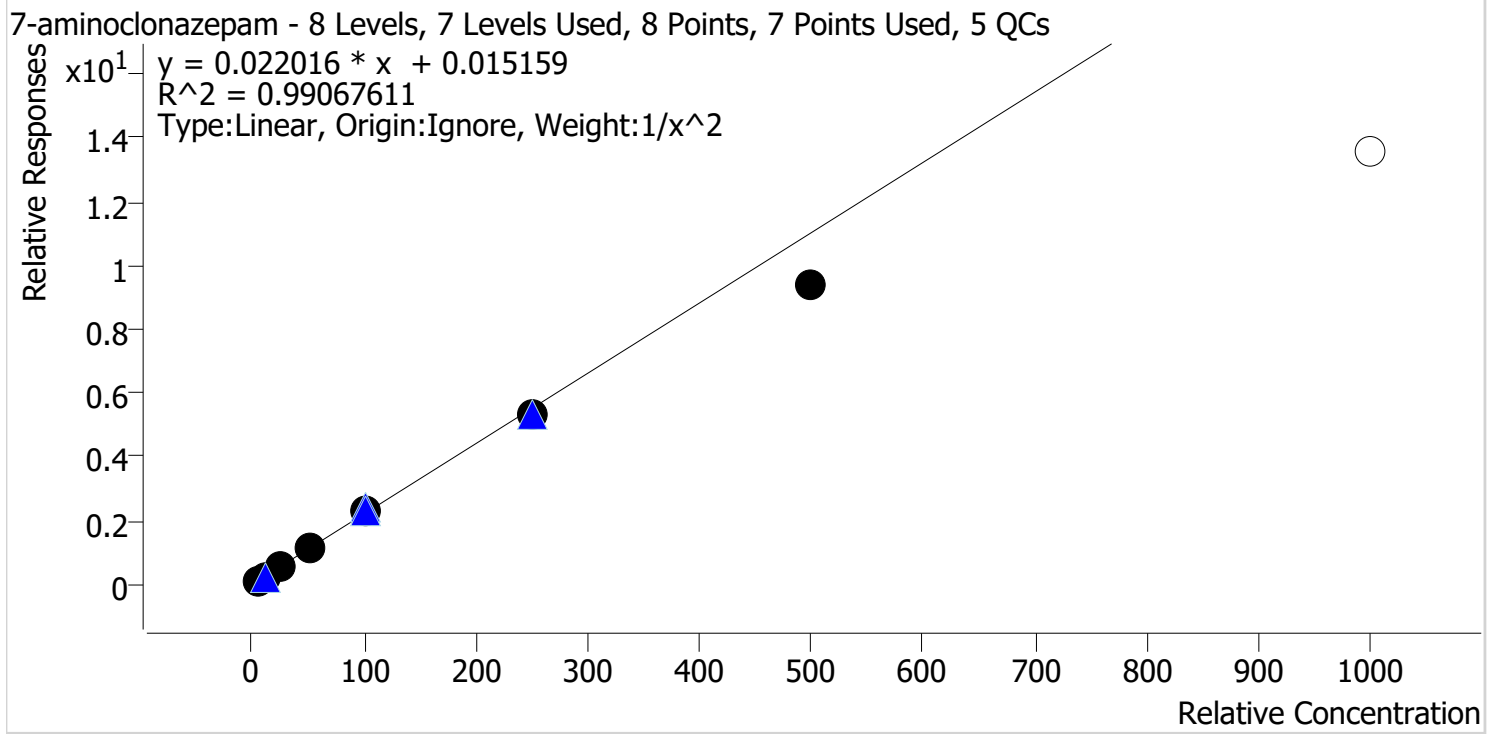


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.5
p1 Cal 2-10ng	2	✓	1.0	0.9	92.3
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.4
p1 Cal 4-50ng	4	✓	5.0	4.9	97.9
p1 Cal 5-100ng	5	✓	10.0	10.0	100.3
p1 Cal 6-250ng	6	✓	25.0	25.4	101.4
p1 Cal 7-500ng	7	✓	50.0	51.1	102.2
p1 Cal 8-1000ng	8	✓	100.0	104.0	104.0



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.7
p1 Cal 4-50ng	4	✓	50.0	53.6	107.1
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	243.5	97.4
p1 Cal 7-500ng	7	✓	500.0	423.7	84.7
p1 Cal 8-1000ng	8	✗	1000.0	617.3	61.7



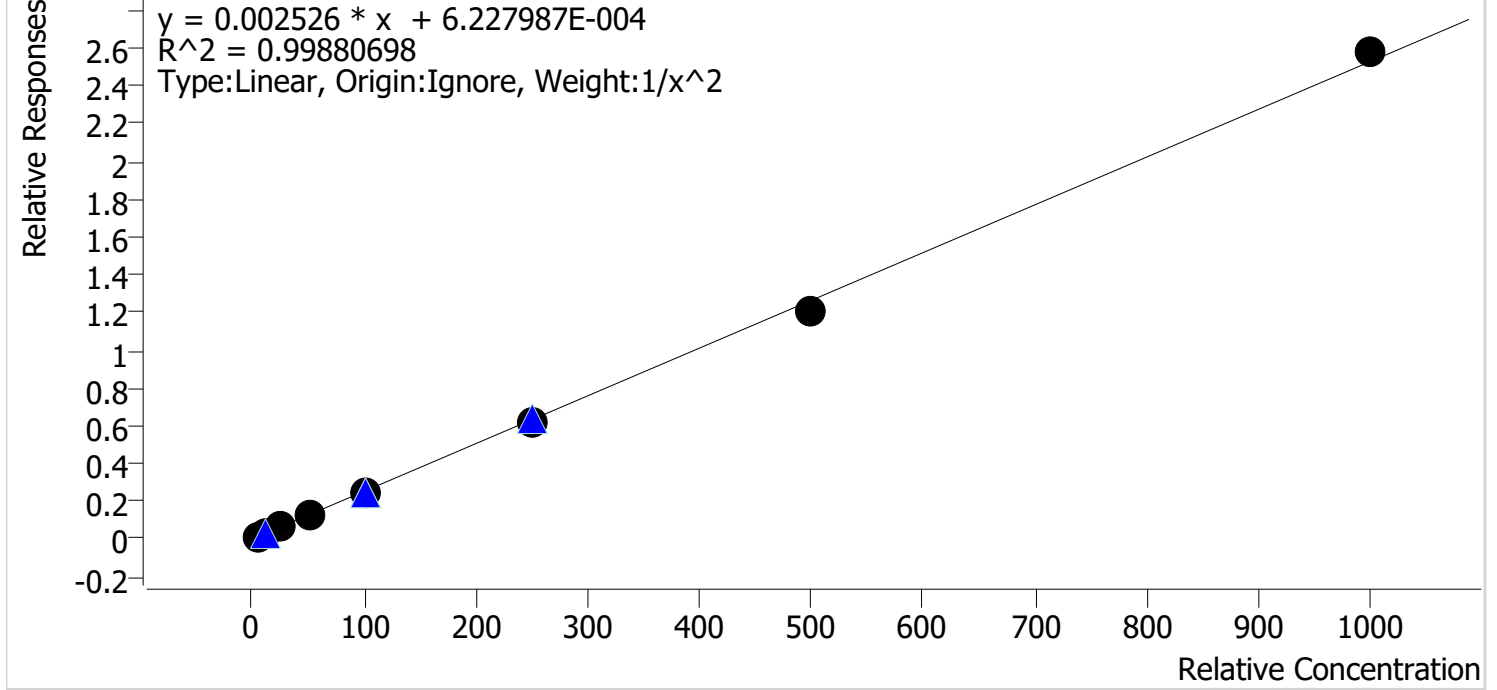
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Temazepam-D5

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	247.6	99.1
p1 Cal 7-500ng	7	✓	500.0	475.1	95.0
p1 Cal 8-1000ng	8	✓	1000.0	1022.2	102.2

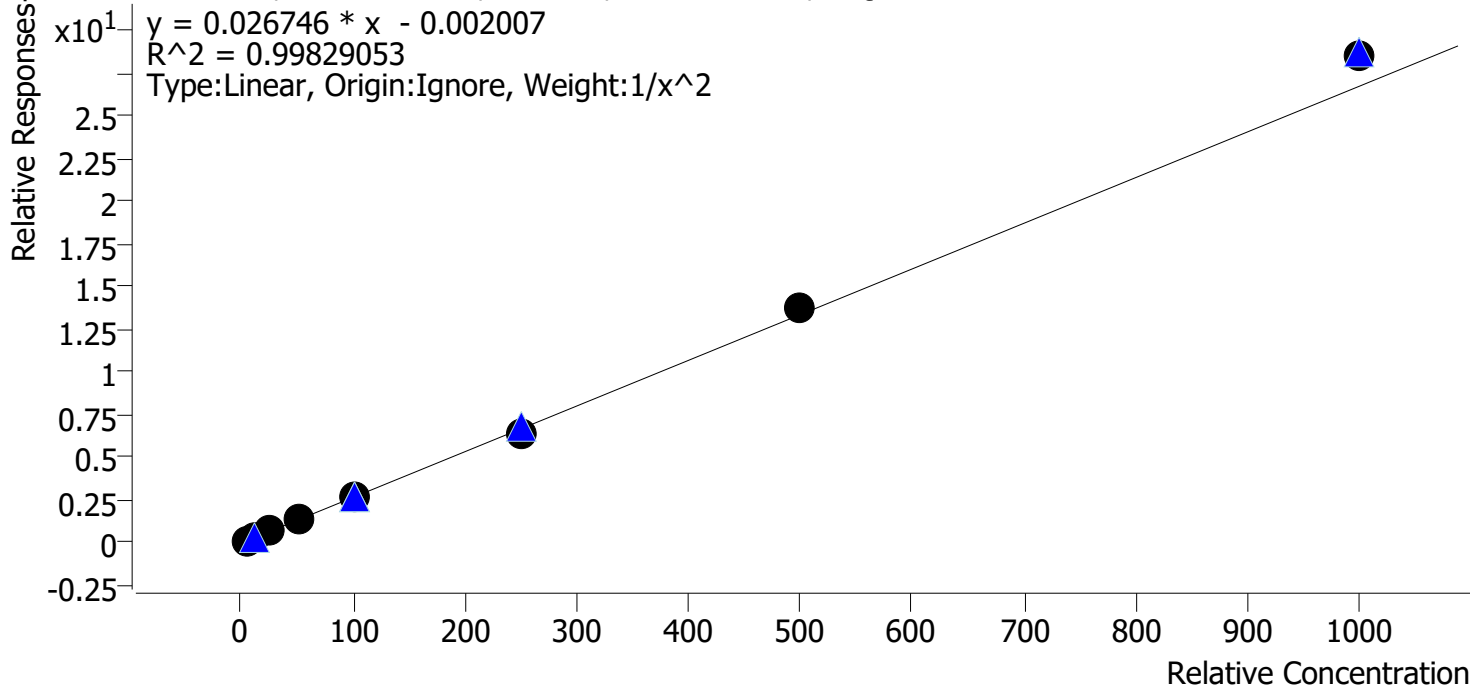
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-D8

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



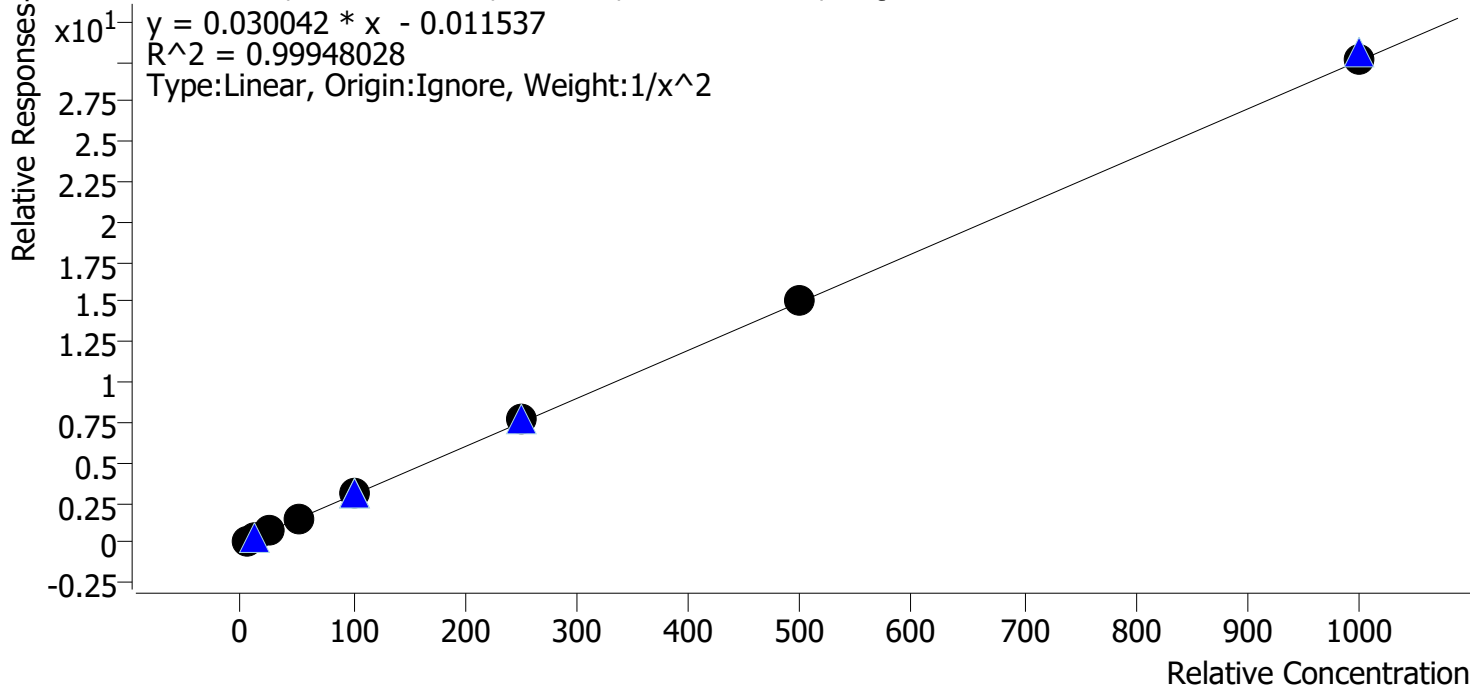
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	518.9	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1065.0	106.5



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	506.9	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1005.3	100.5

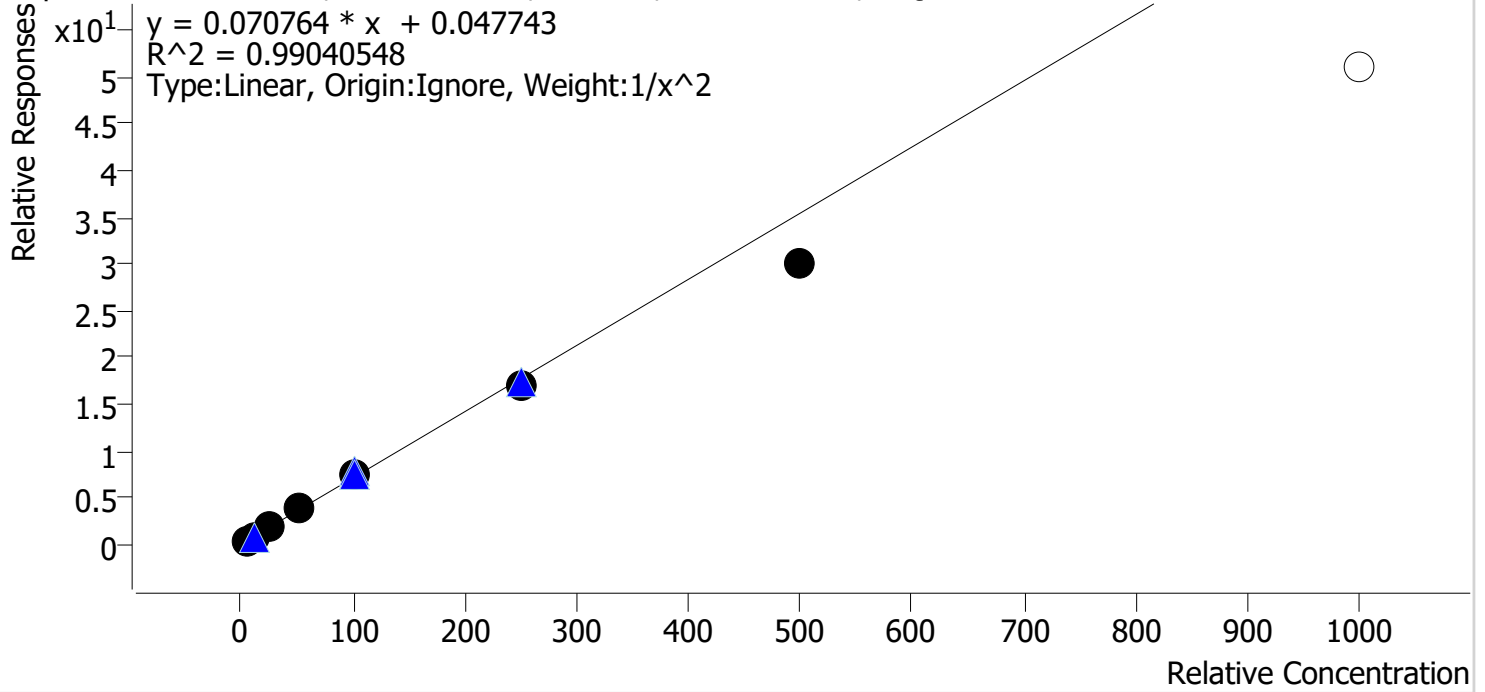
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



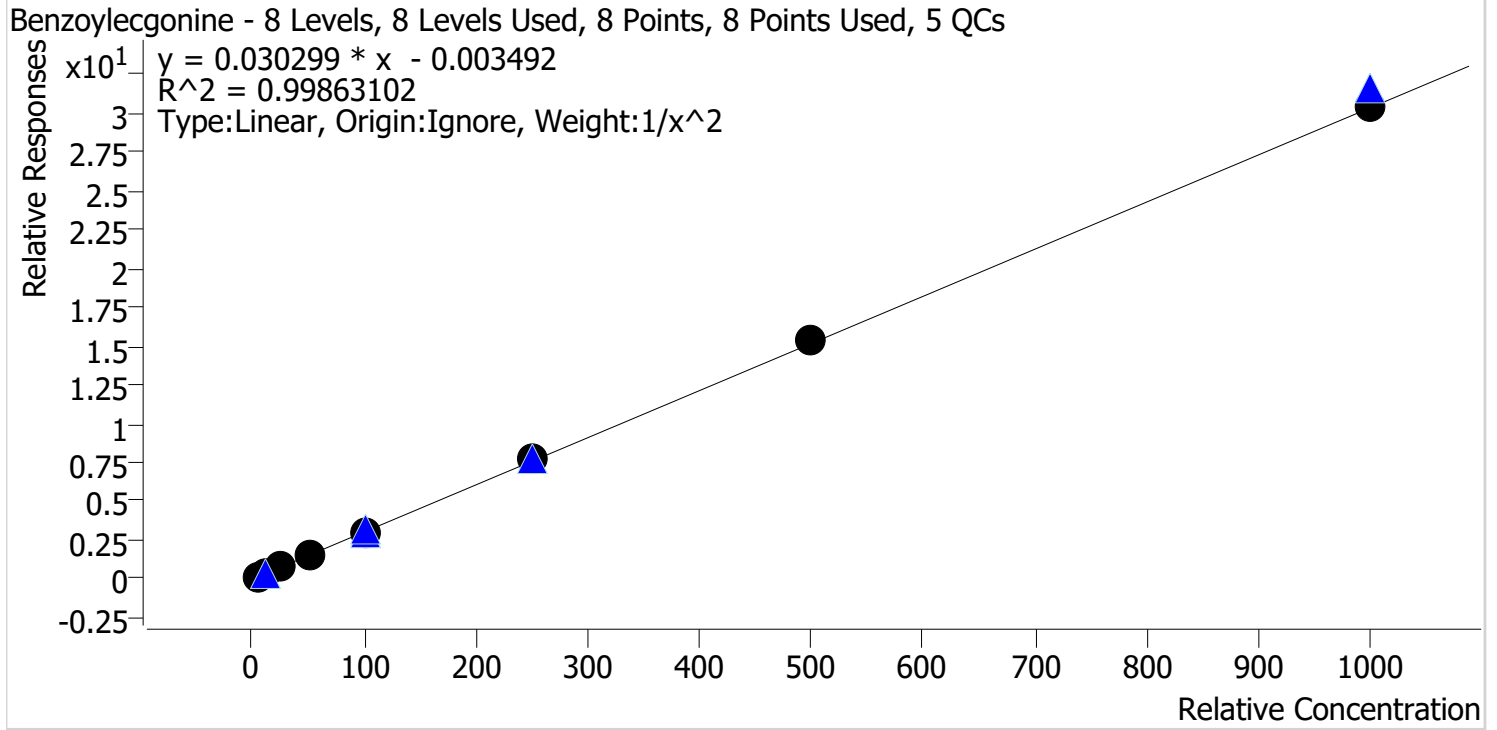
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	239.4	95.8
p1 Cal 7-500ng	7	✓	500.0	423.2	84.6
p1 Cal 8-1000ng	8	✗	1000.0	722.1	72.2

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



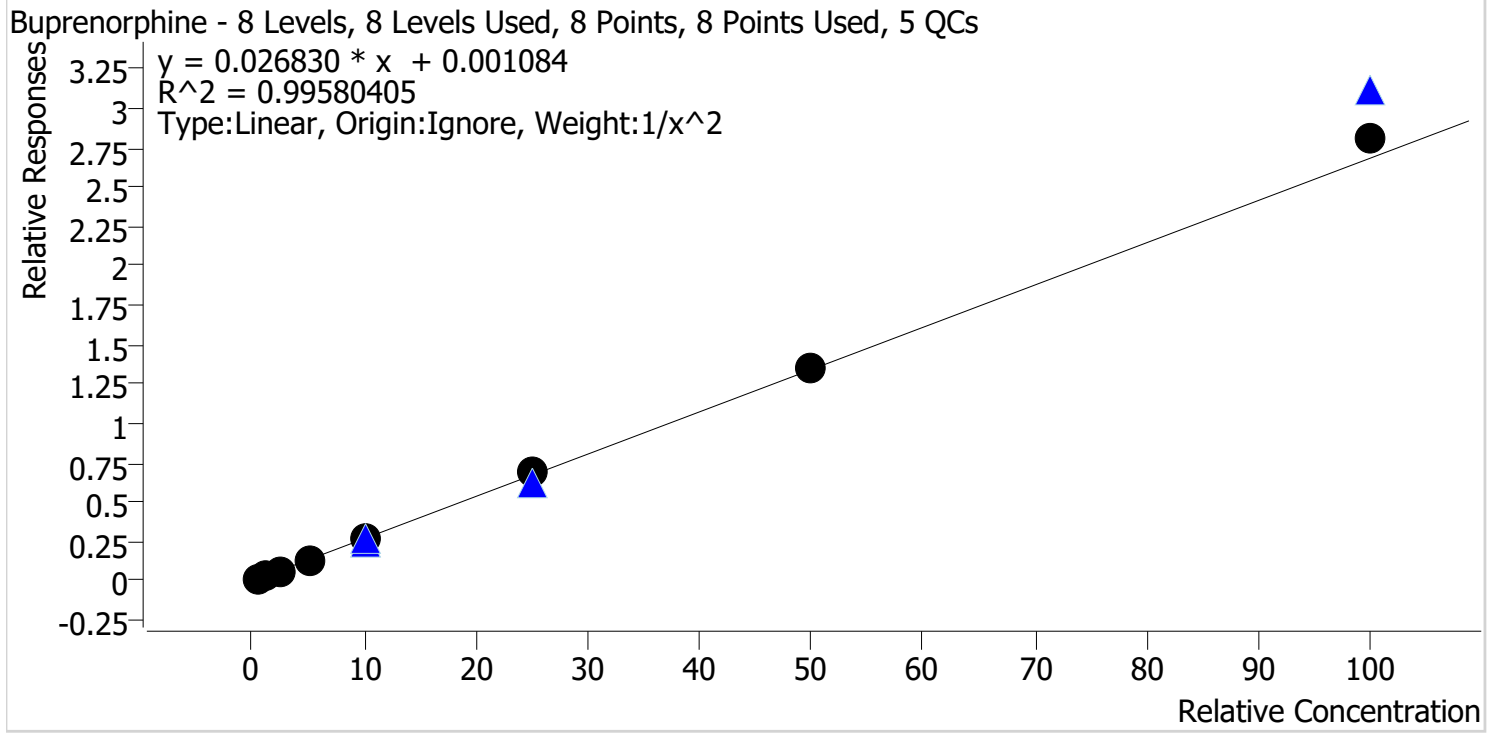
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	47.5	94.9
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	999.4	99.9

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



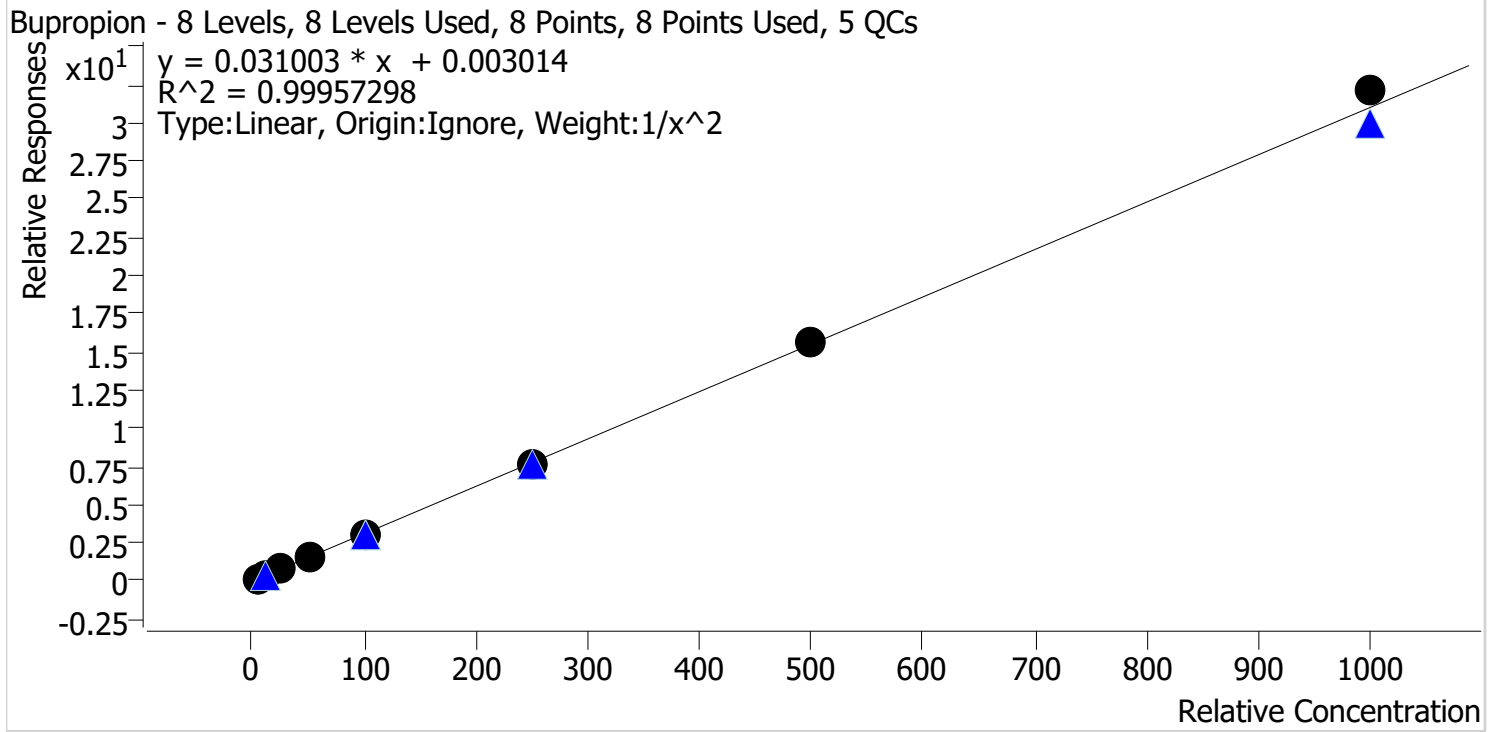
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	106.4
p1 Cal 2-10ng	2	✓	1.0	0.9	89.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.2
p1 Cal 4-50ng	4	✓	5.0	5.0	99.5
p1 Cal 5-100ng	5	✓	10.0	10.1	101.1
p1 Cal 6-250ng	6	✓	25.0	25.8	103.0
p1 Cal 7-500ng	7	✓	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✓	100.0	105.0	105.0

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



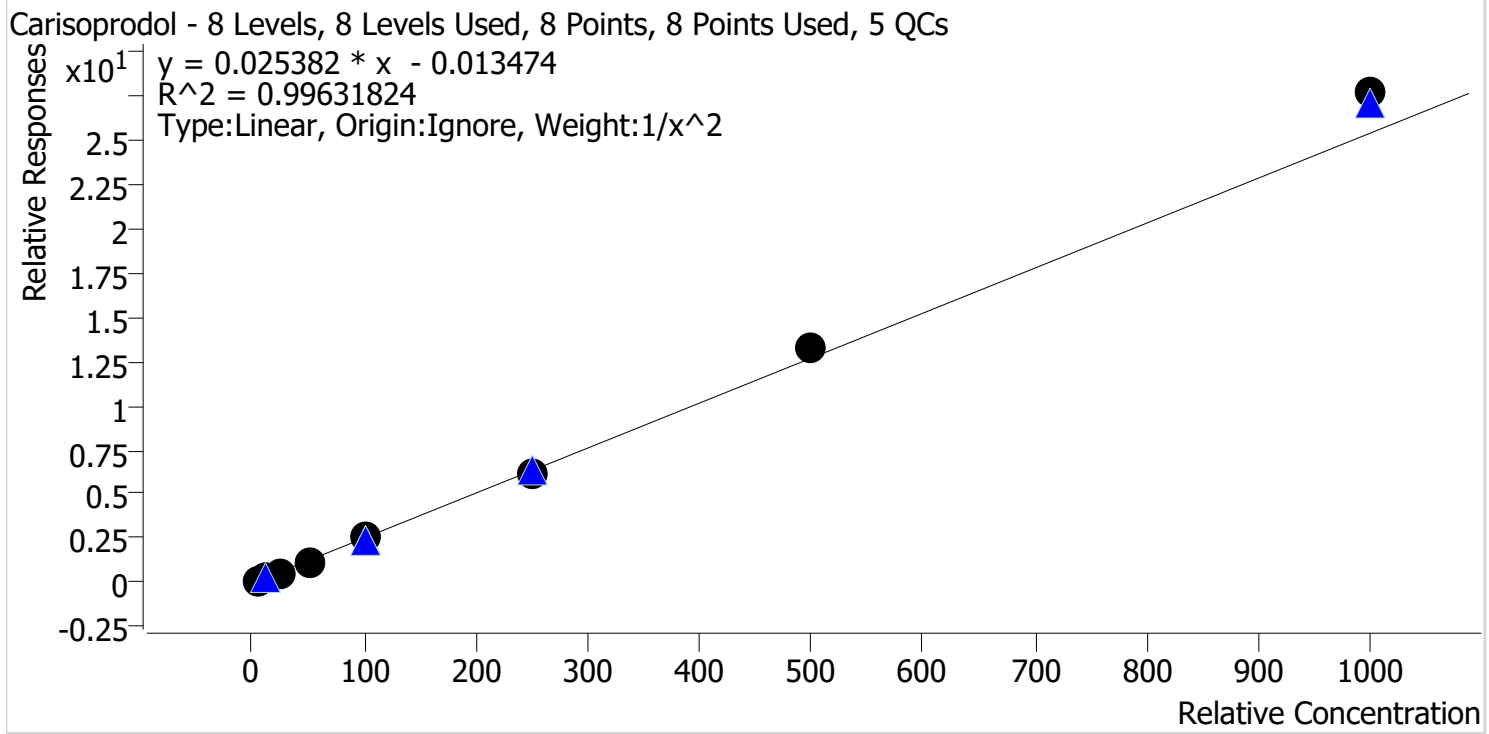
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	503.6	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1035.5	103.6

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.4
p1 Cal 4-50ng	4	✓	50.0	46.6	93.2
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	526.6	105.3
p1 Cal 8-1000ng	8	✓	1000.0	1090.2	109.0



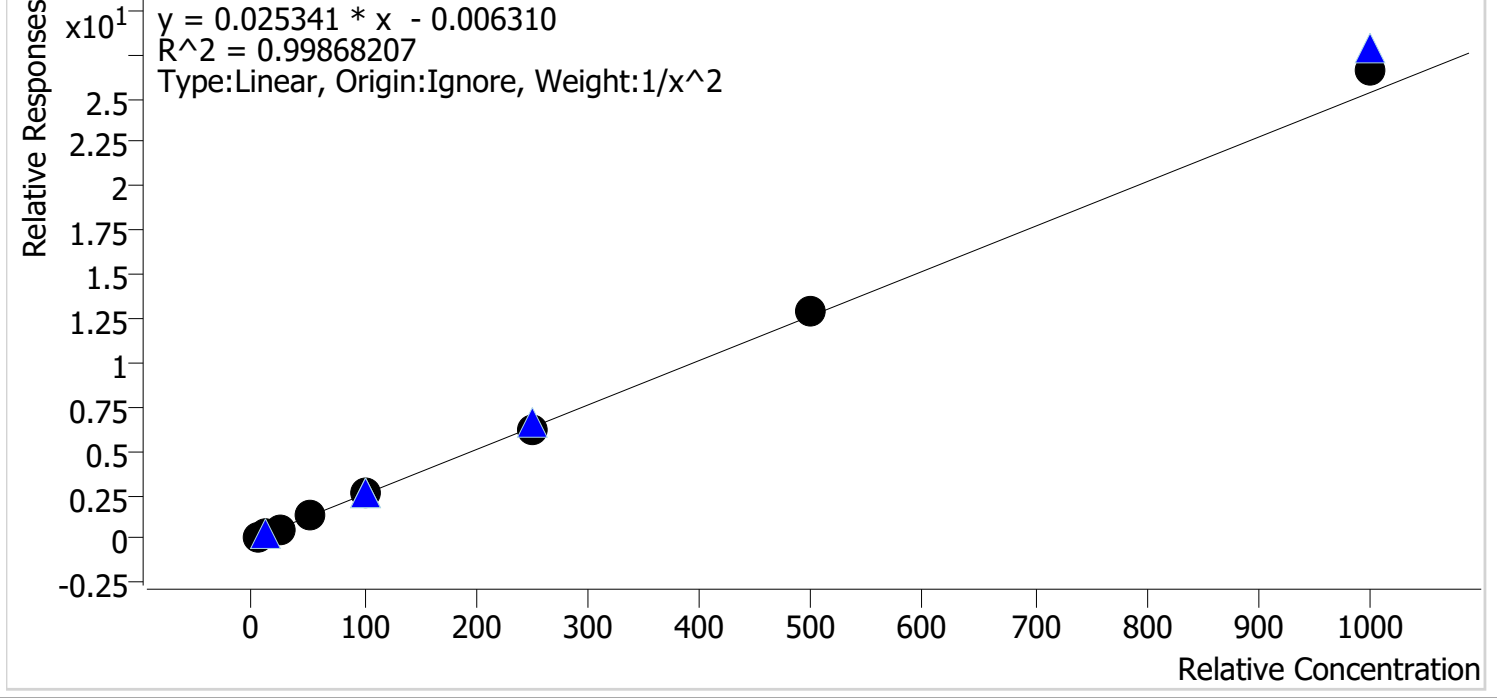
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



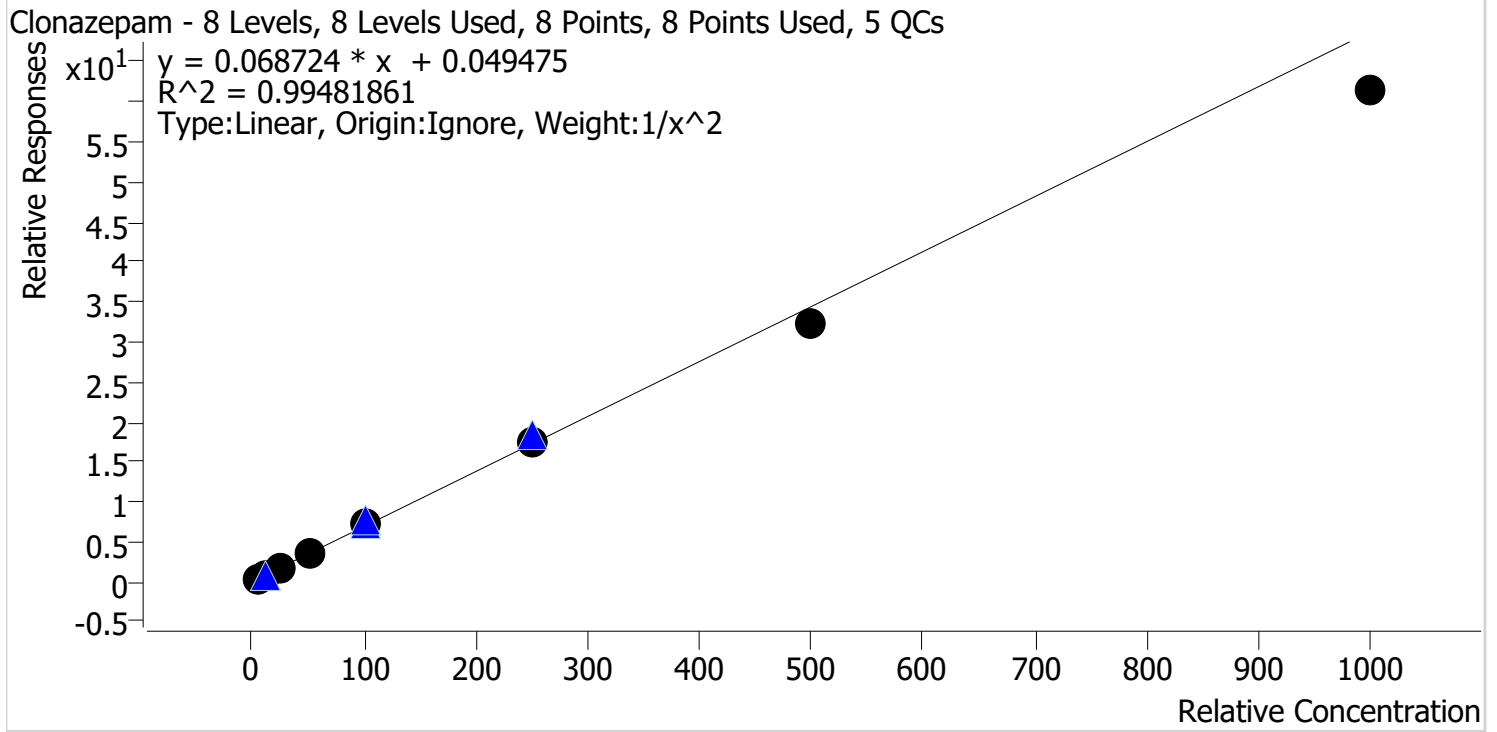
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	508.7	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1051.8	105.2

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	471.2	94.2
p1 Cal 8-1000ng	8	✓	1000.0	892.9	89.3

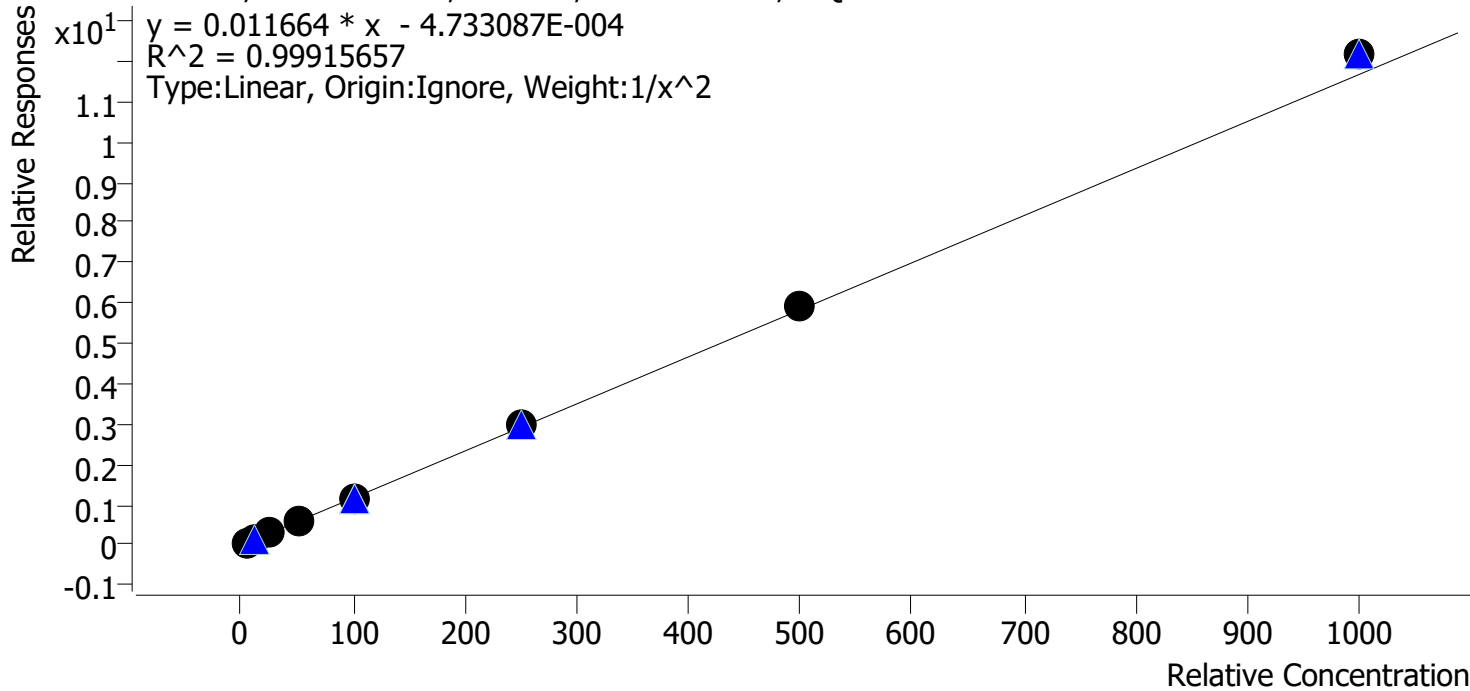
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	252.1	100.9
p1 Cal 7-500ng	7	✓	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1042.2	104.2

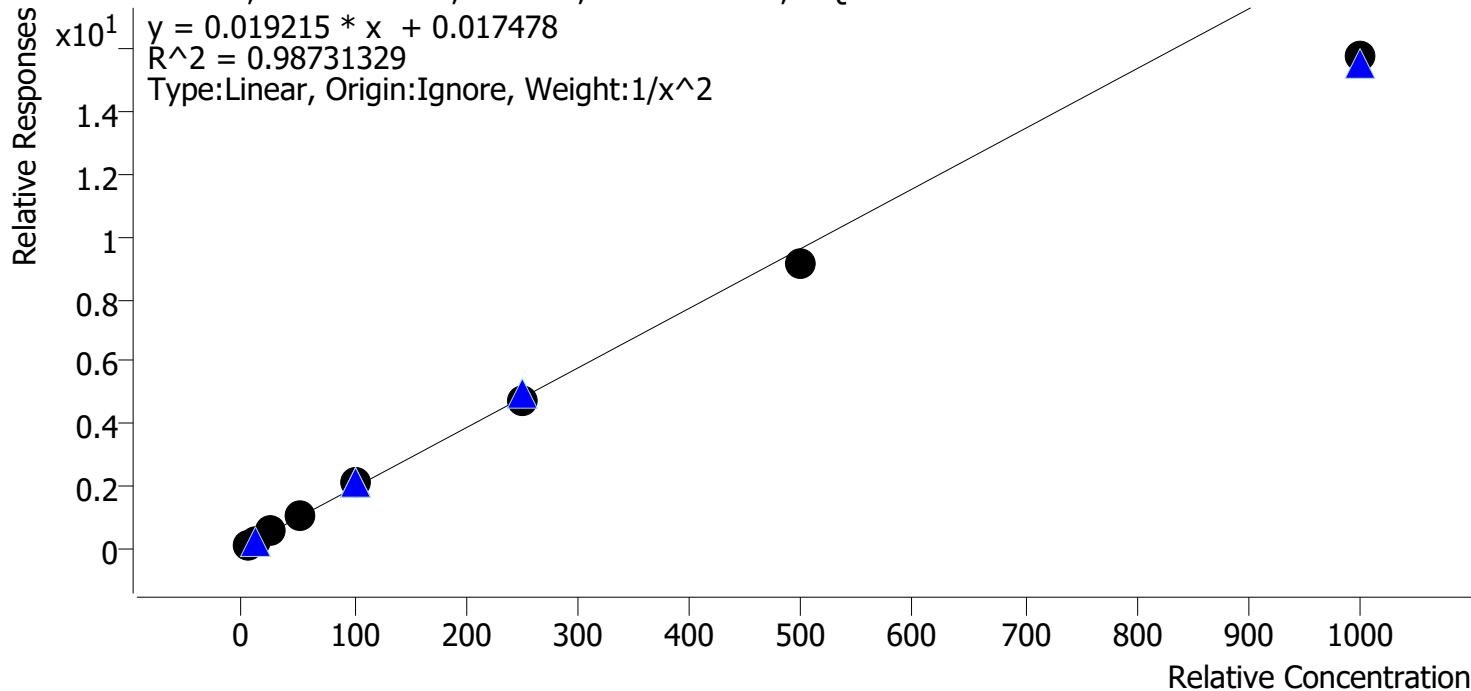
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.1
p1 Cal 2-10ng	2	✓	10.0	10.5	105.1
p1 Cal 3 -25ng	3	✓	25.0	28.1	112.4
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	107.5	107.5
p1 Cal 6-250ng	6	✓	250.0	243.4	97.4
p1 Cal 7-500ng	7	✓	500.0	472.6	94.5
p1 Cal 8-1000ng	8	✓	1000.0	820.5	82.1

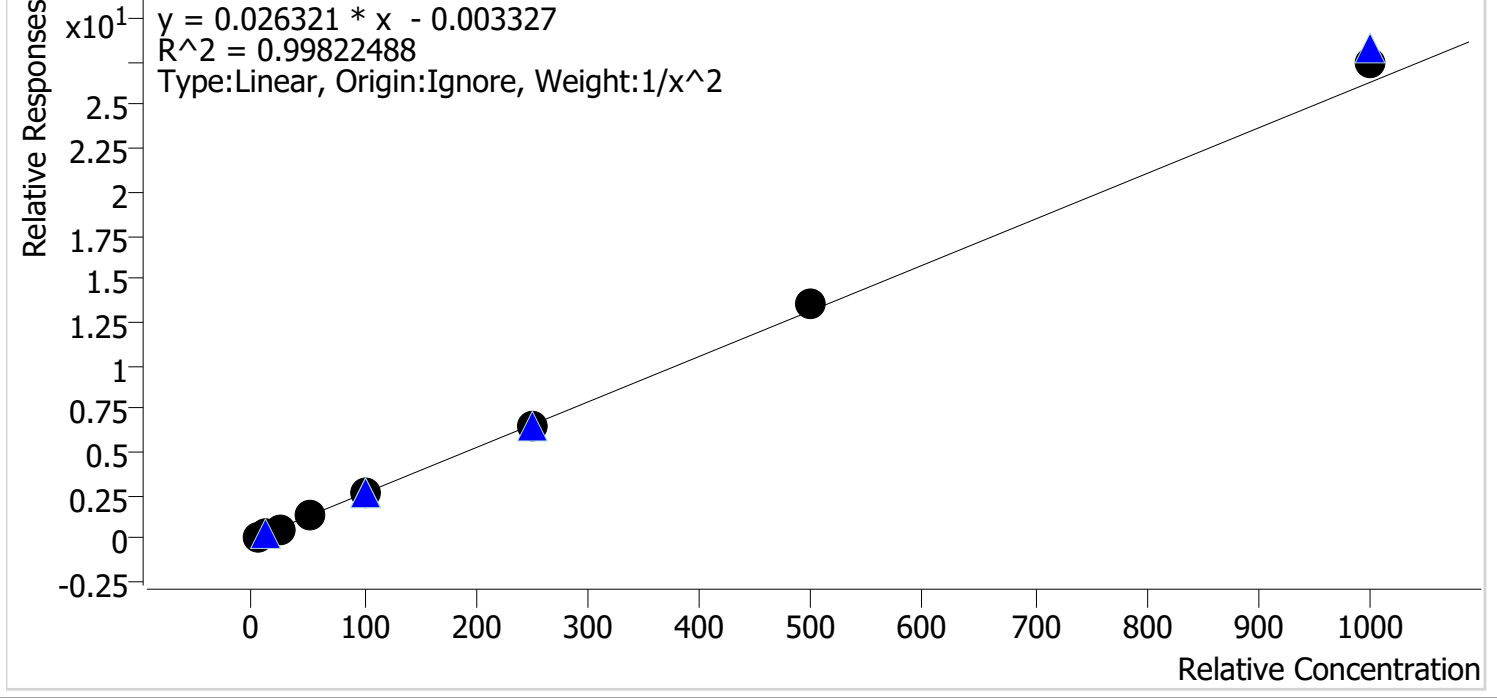
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	519.1	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1043.0	104.3

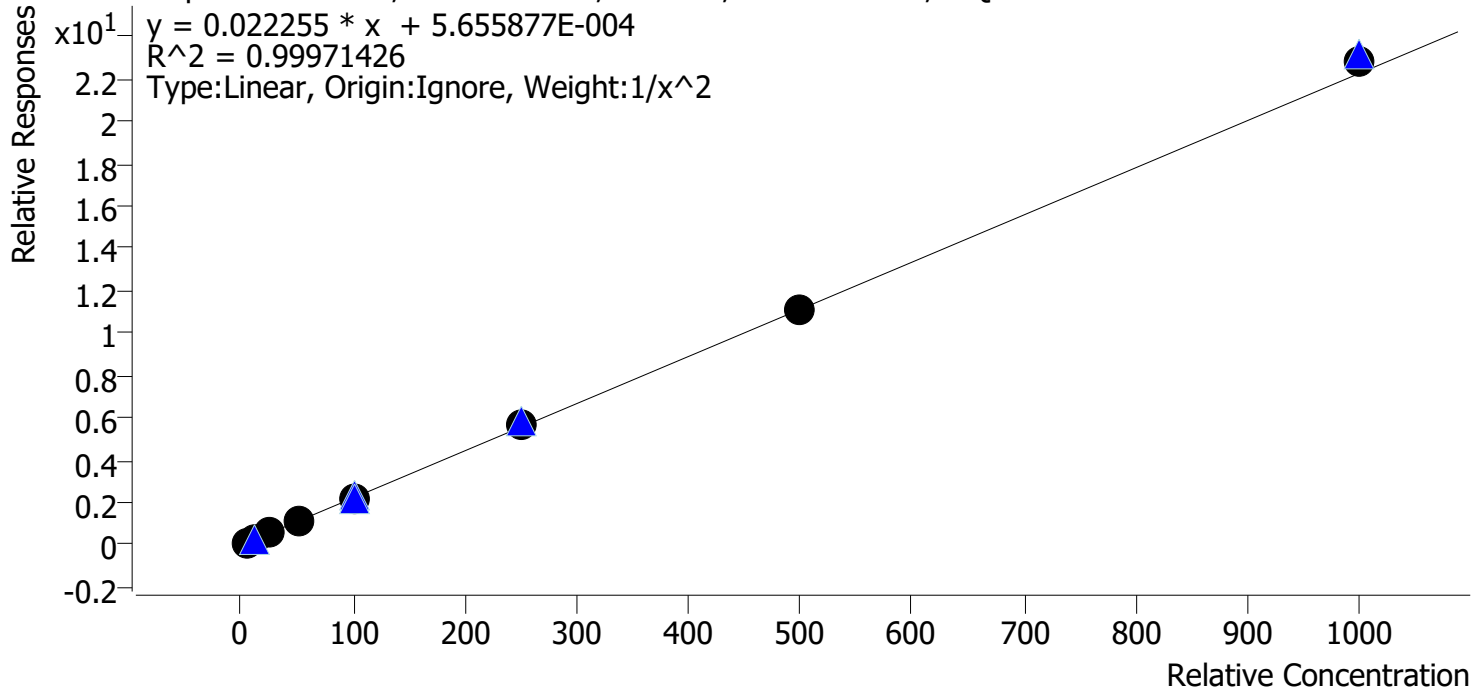
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



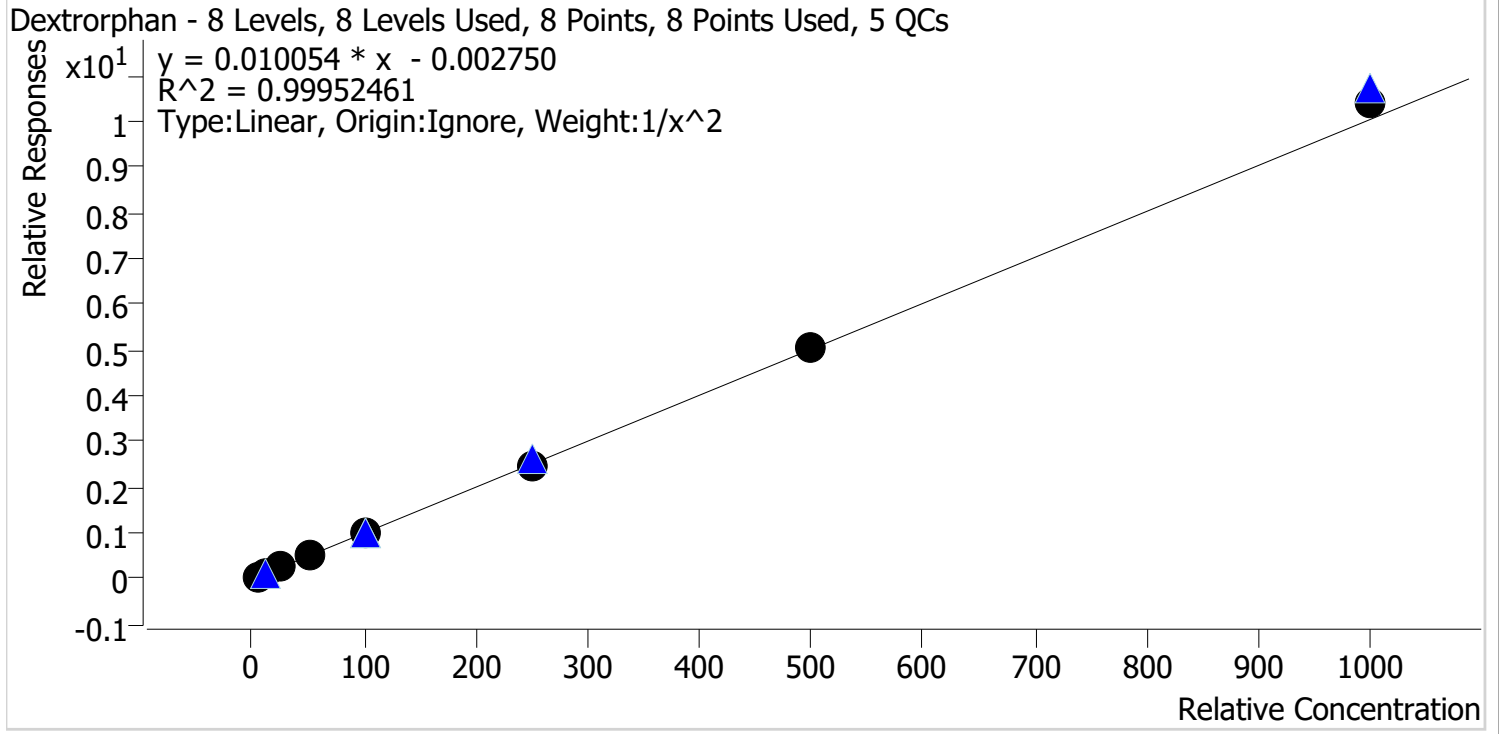
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	495.5	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1022.4	102.2

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrophan Internal Standard Dextrophan-D3



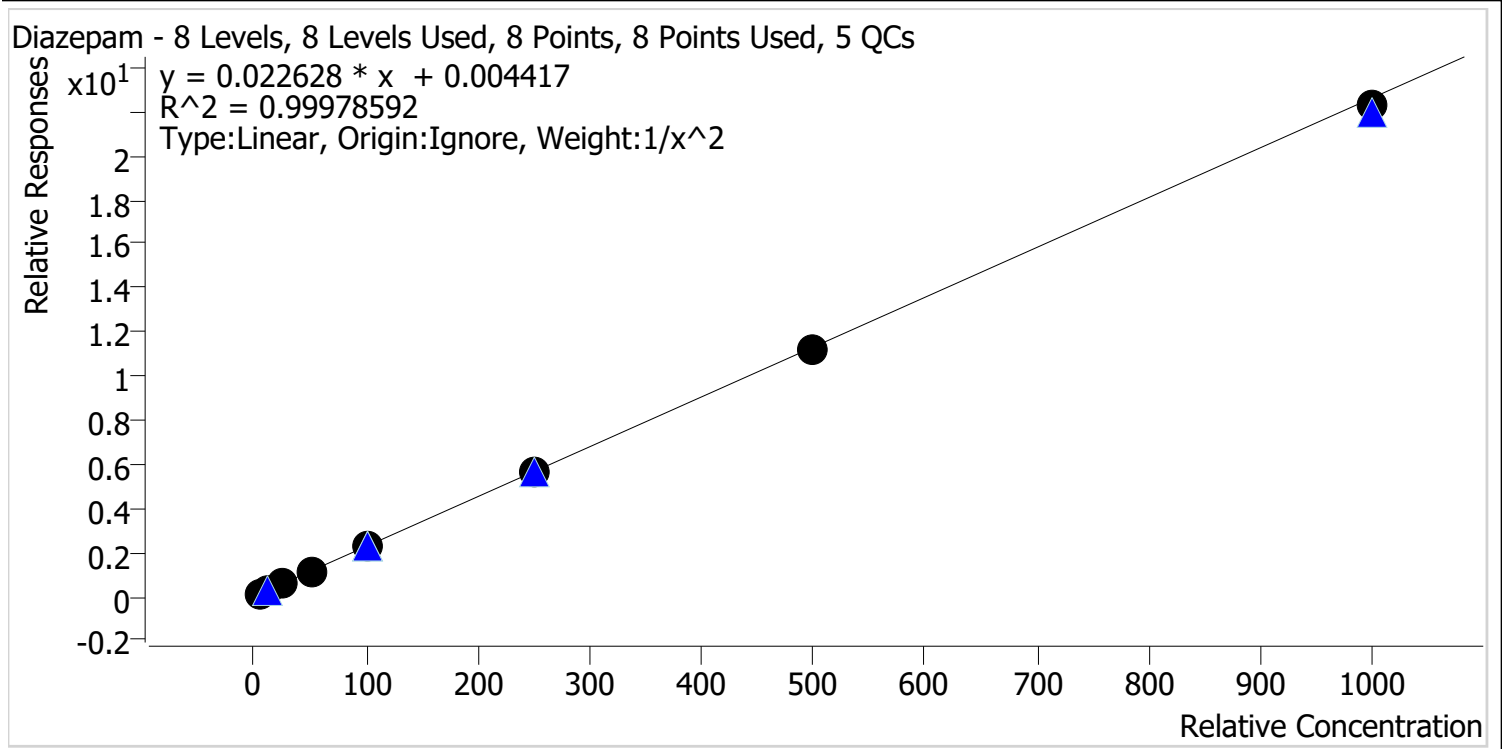
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1040.1	104.0

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	984.7	98.5



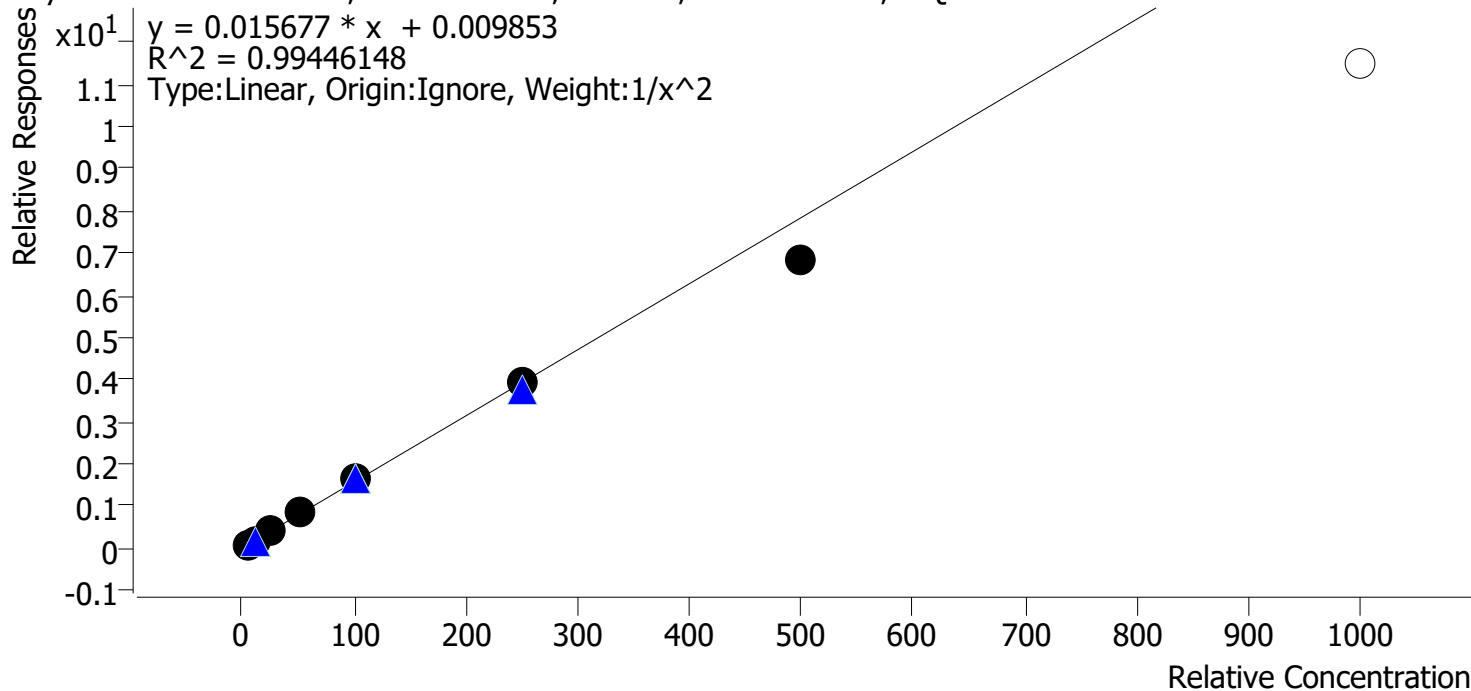
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	436.2	87.2
p1 Cal 8-1000ng	8	x	1000.0	732.2	73.2

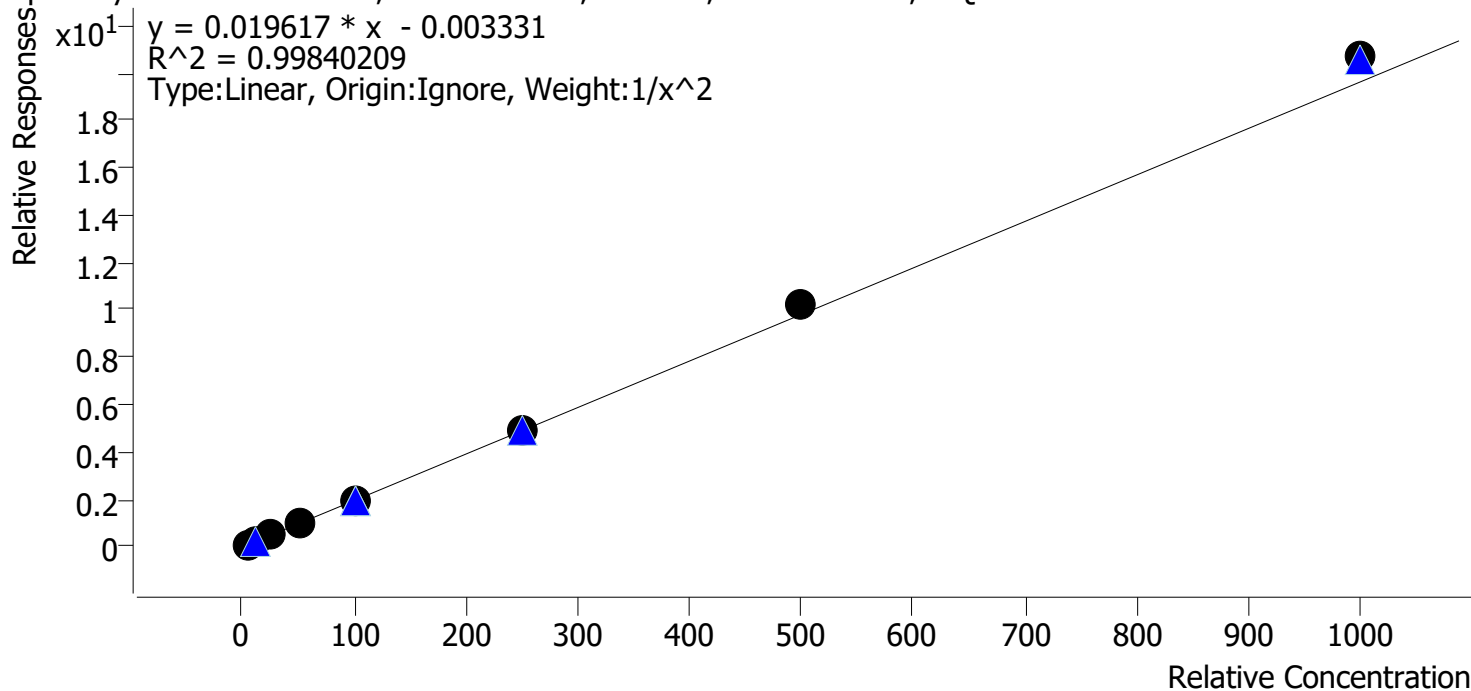
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



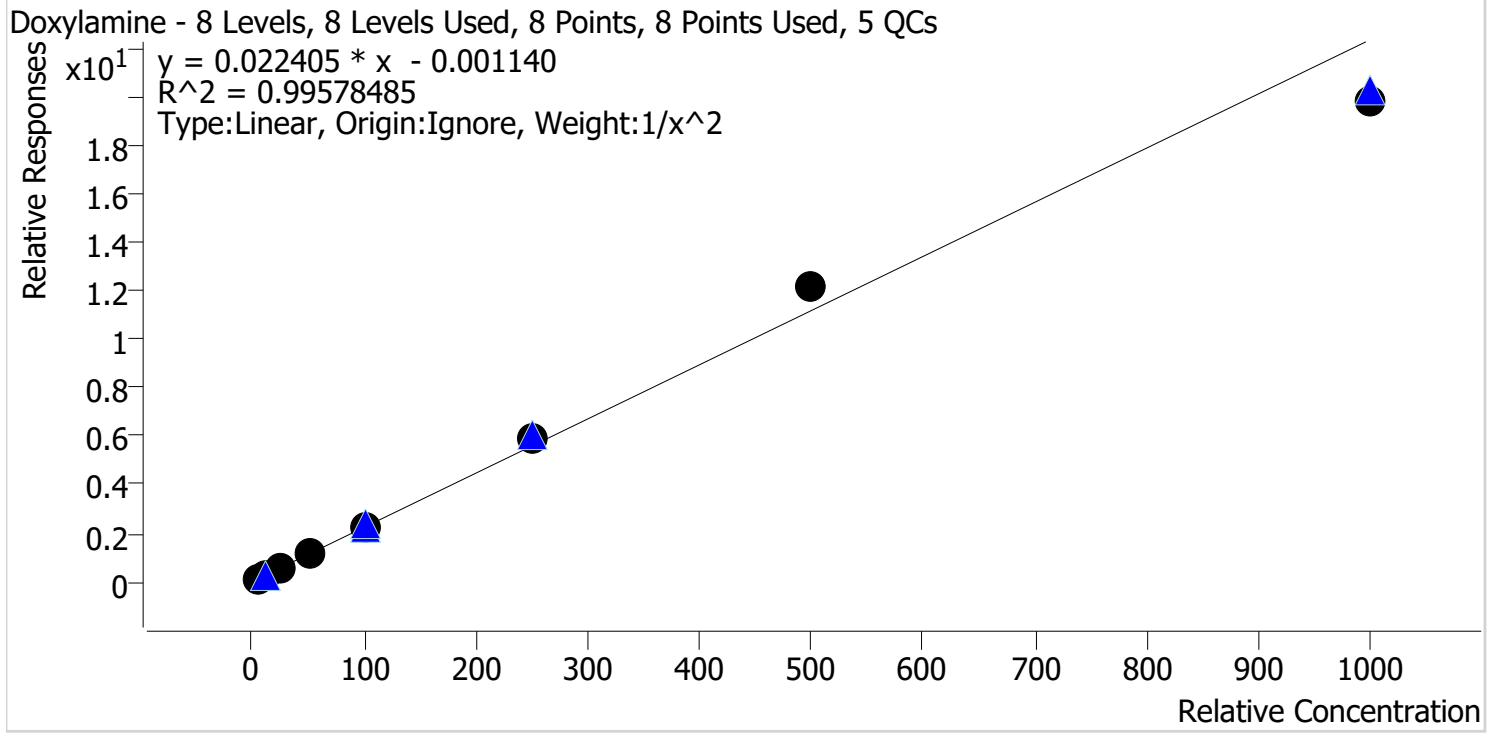
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	519.9	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1054.5	105.5

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	261.0	104.4
p1 Cal 7-500ng	7	✓	500.0	541.2	108.2
p1 Cal 8-1000ng	8	✓	1000.0	890.0	89.0

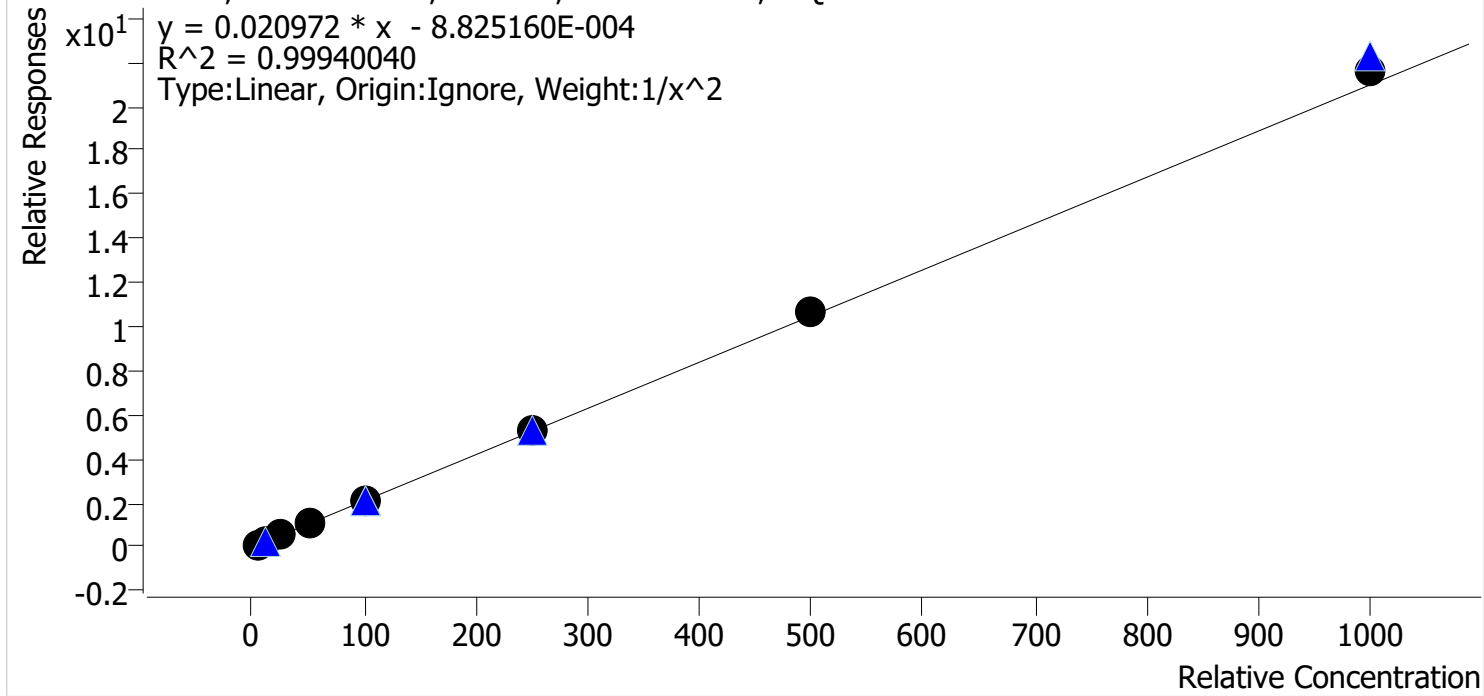
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



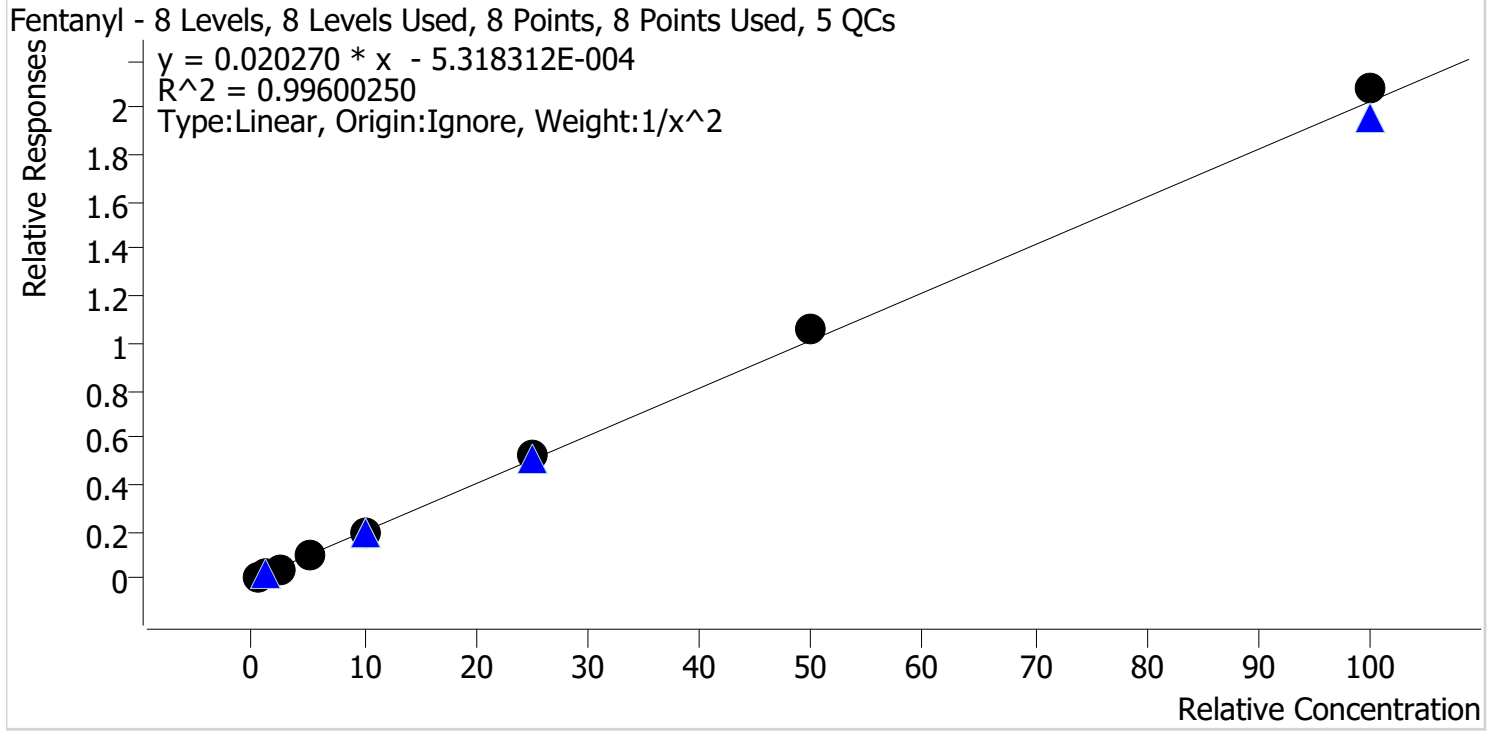
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	512.6	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1031.7	103.2

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5



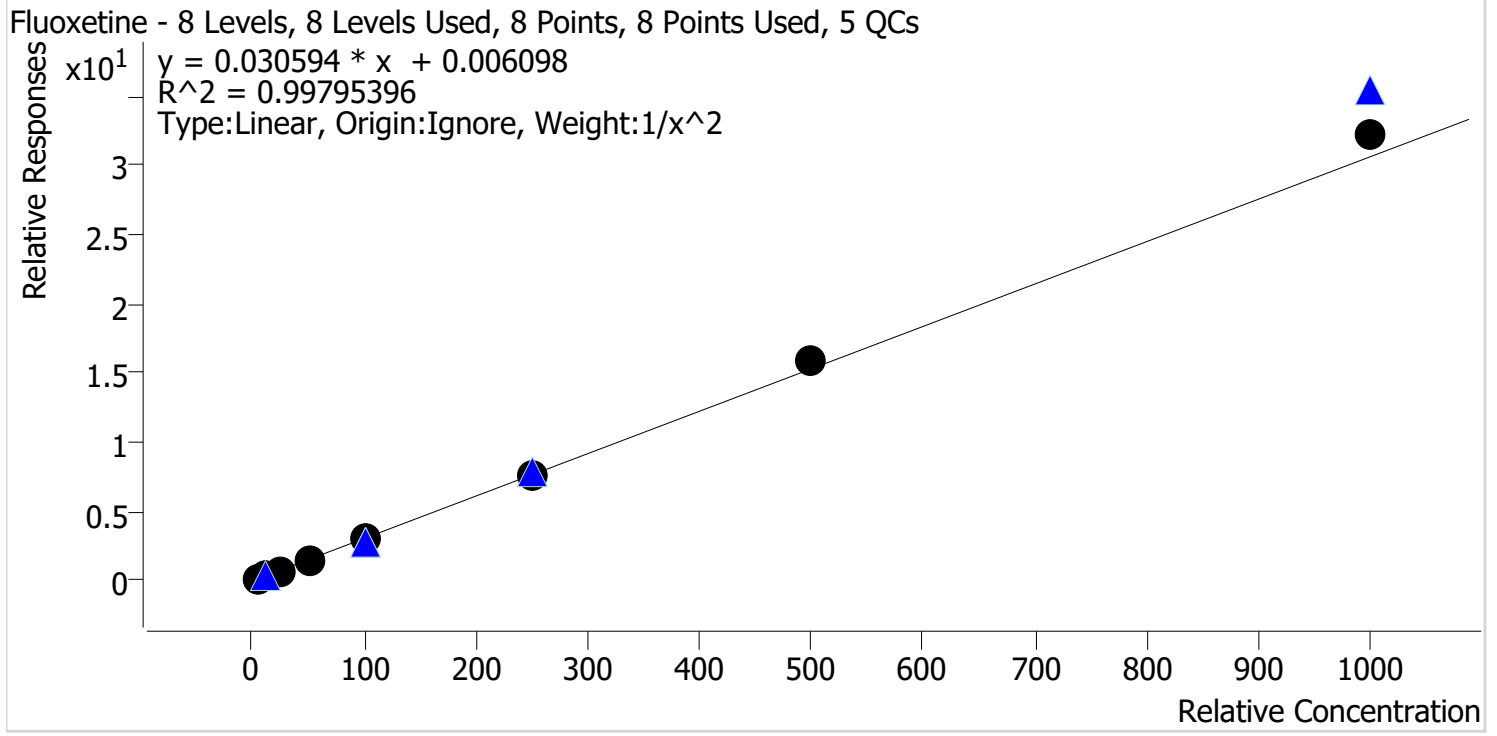
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	105.5
p1 Cal 2-10ng	2	✓	1.0	0.9	92.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.2
p1 Cal 4-50ng	4	✓	5.0	5.0	99.2
p1 Cal 5-100ng	5	✓	10.0	10.1	100.7
p1 Cal 6-250ng	6	✓	25.0	26.0	104.0
p1 Cal 7-500ng	7	✓	50.0	52.2	104.4
p1 Cal 8-1000ng	8	✓	100.0	102.7	102.7

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



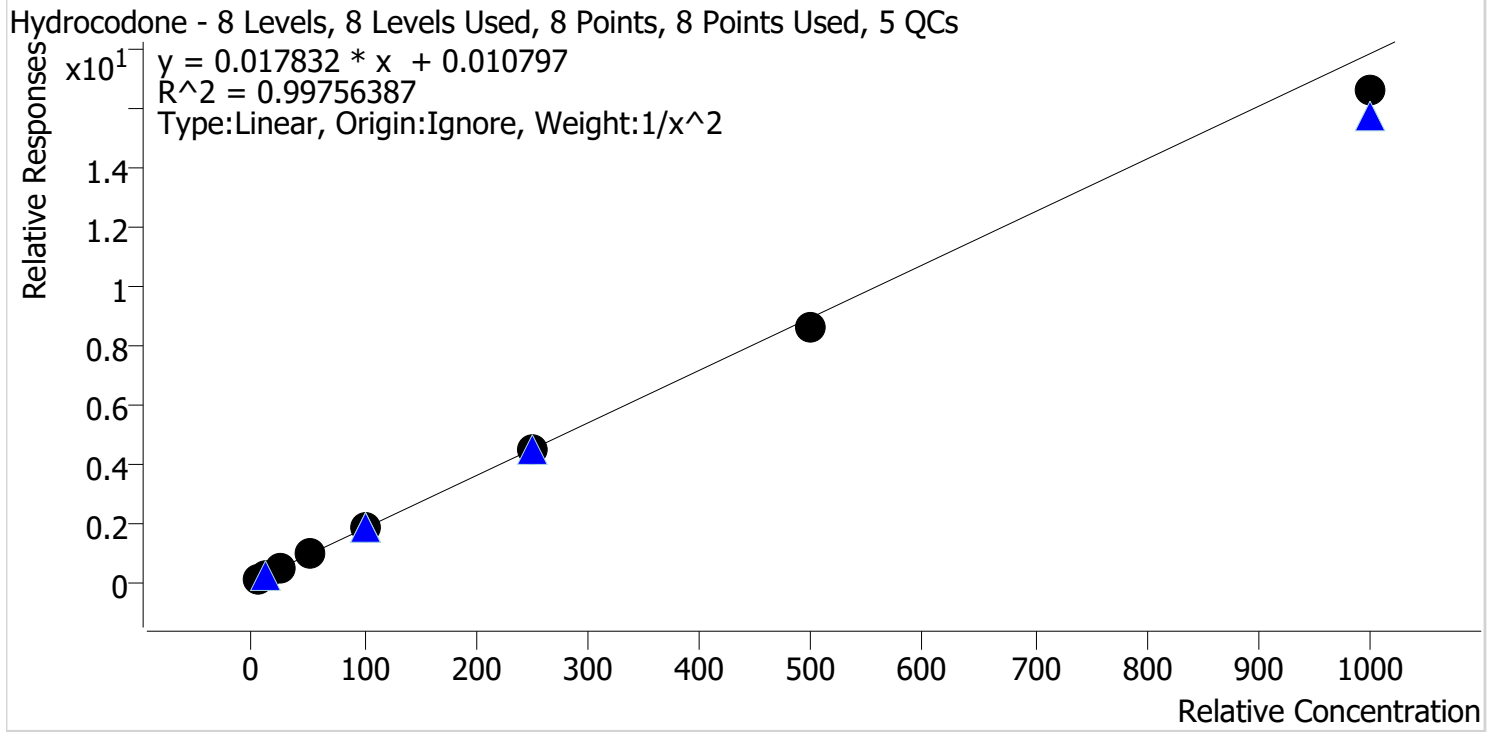
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	523.0	104.6
p1 Cal 8-1000ng	8	✓	1000.0	1055.5	105.6

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



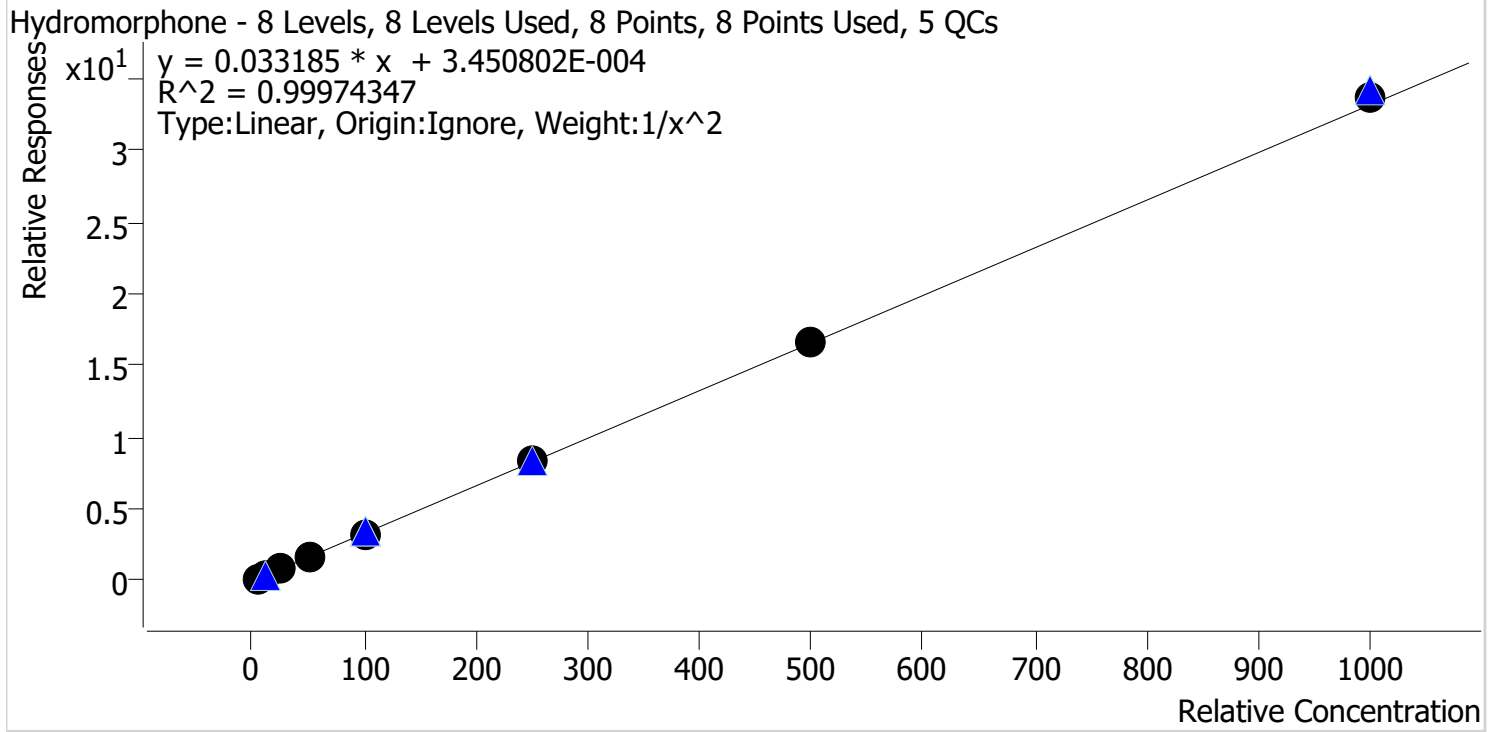
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	480.9	96.2
p1 Cal 8-1000ng	8	✓	1000.0	929.9	93.0

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	48.6	97.3
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	500.2	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1017.7	101.8

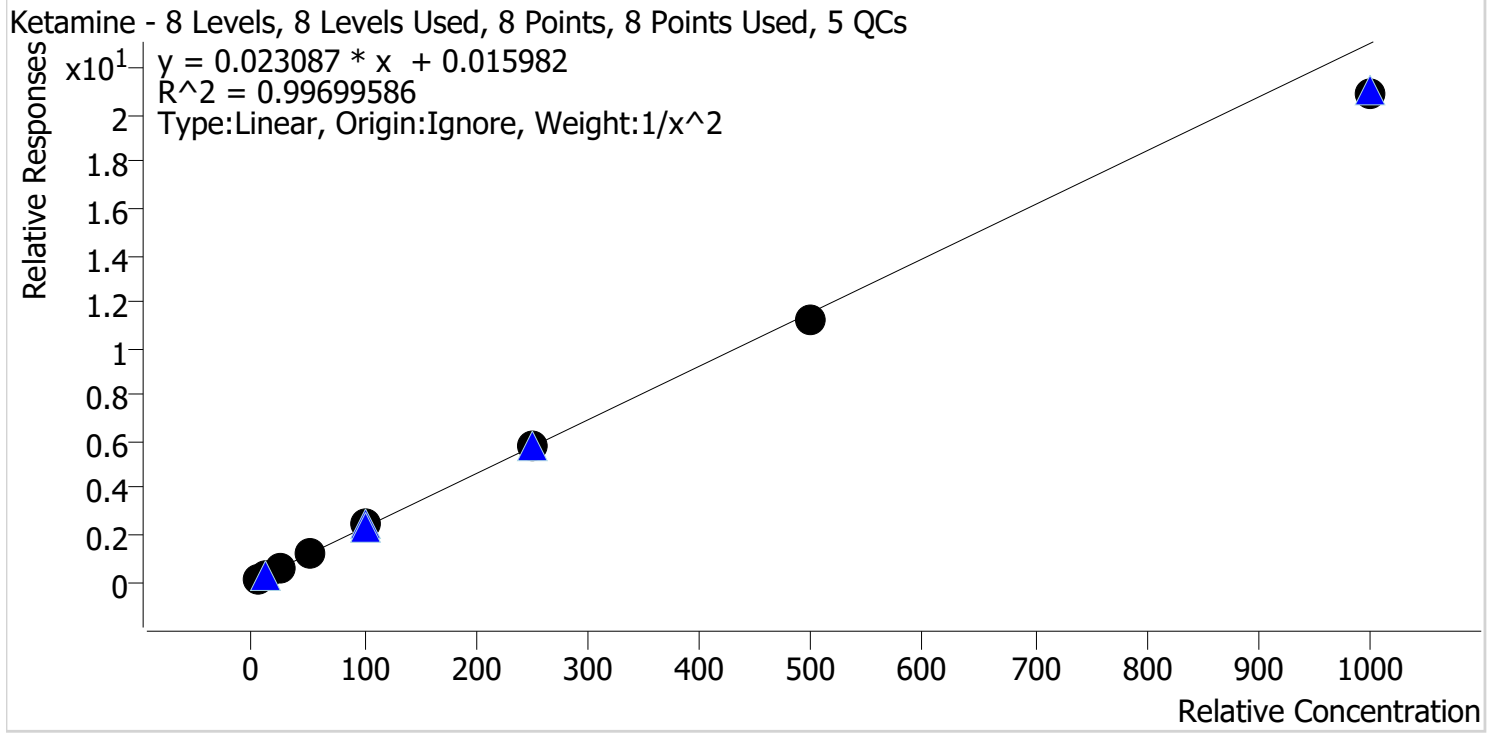


SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	484.9	97.0
p1 Cal 8-1000ng	8	✓	1000.0	903.9	90.4

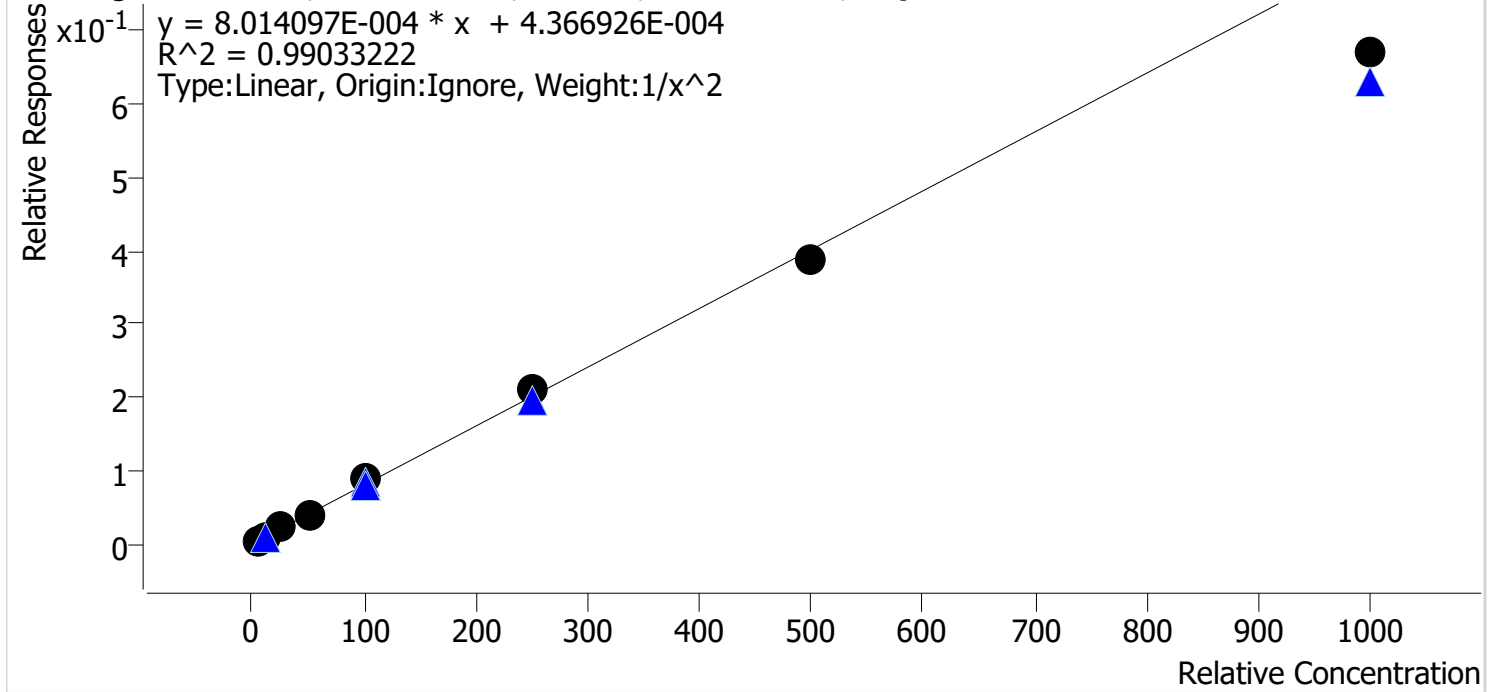
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.3
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	264.1	105.6
p1 Cal 7-500ng	7	✓	500.0	480.0	96.0
p1 Cal 8-1000ng	8	✓	1000.0	835.0	83.5

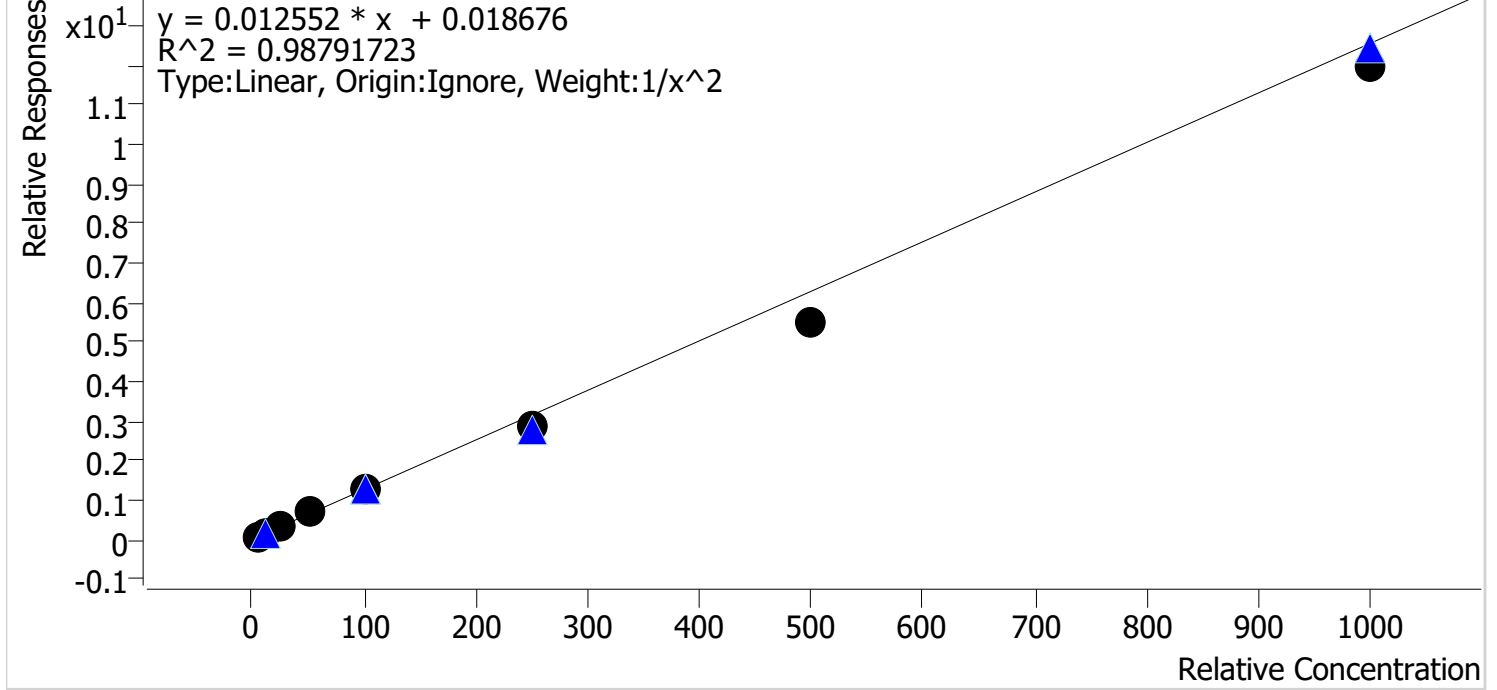
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5

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



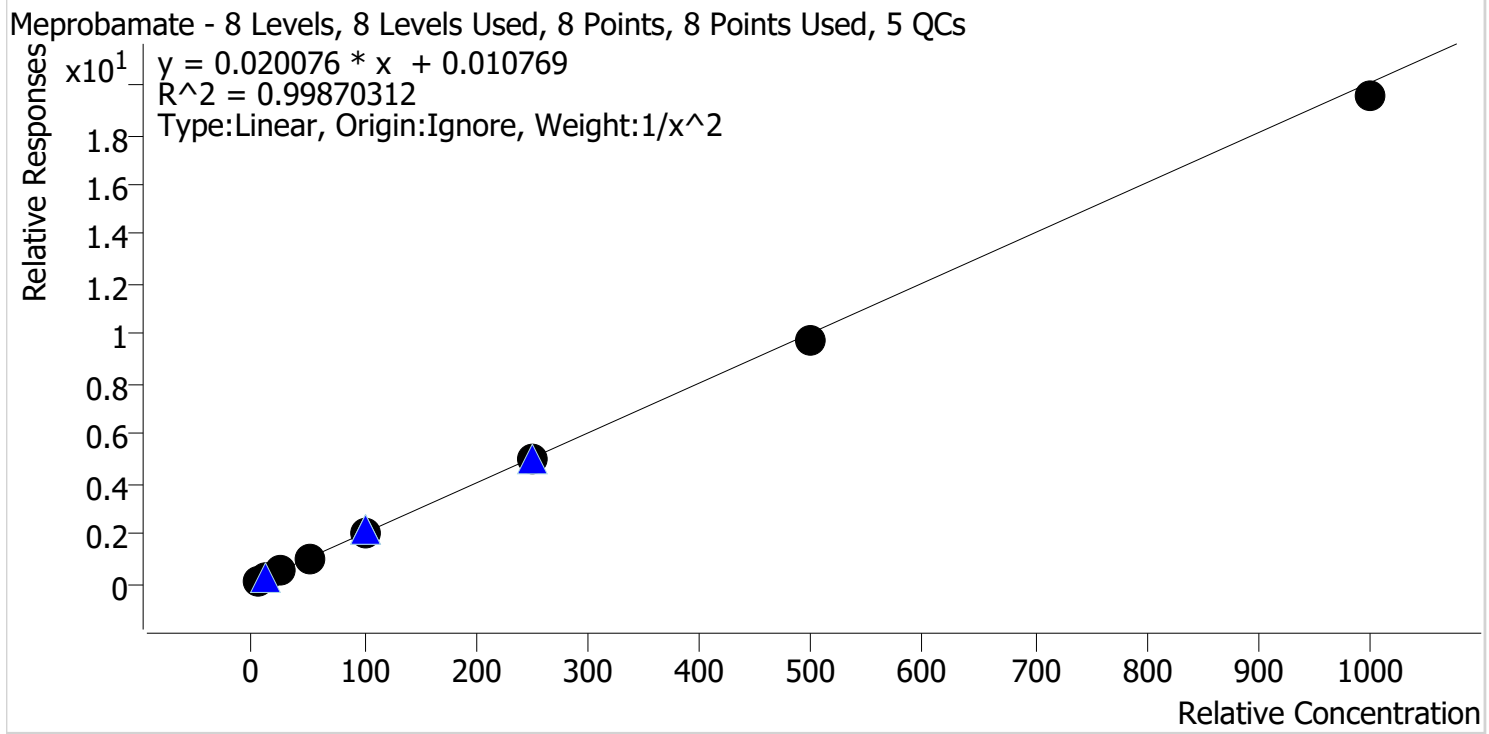
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.2
p1 Cal 2-10ng	2	✓	10.0	10.7	106.7
p1 Cal 3 -25ng	3	✓	25.0	28.1	112.3
p1 Cal 4-50ng	4	✓	50.0	55.6	111.1
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	227.5	91.0
p1 Cal 7-500ng	7	✓	500.0	436.0	87.2
p1 Cal 8-1000ng	8	✓	1000.0	952.1	95.2

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



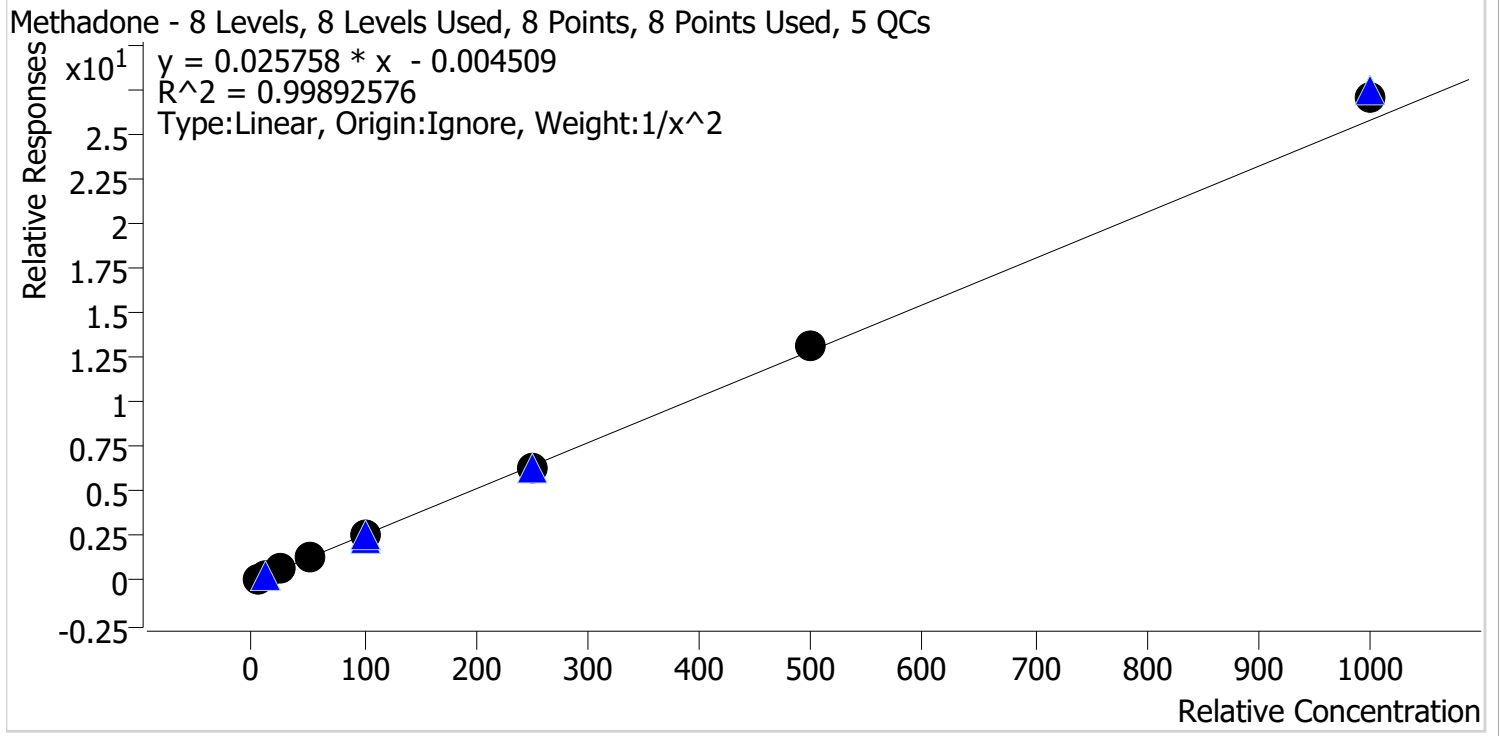
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	481.5	96.3
p1 Cal 8-1000ng	8	✓	1000.0	973.1	97.3

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	509.6	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1050.2	105.0

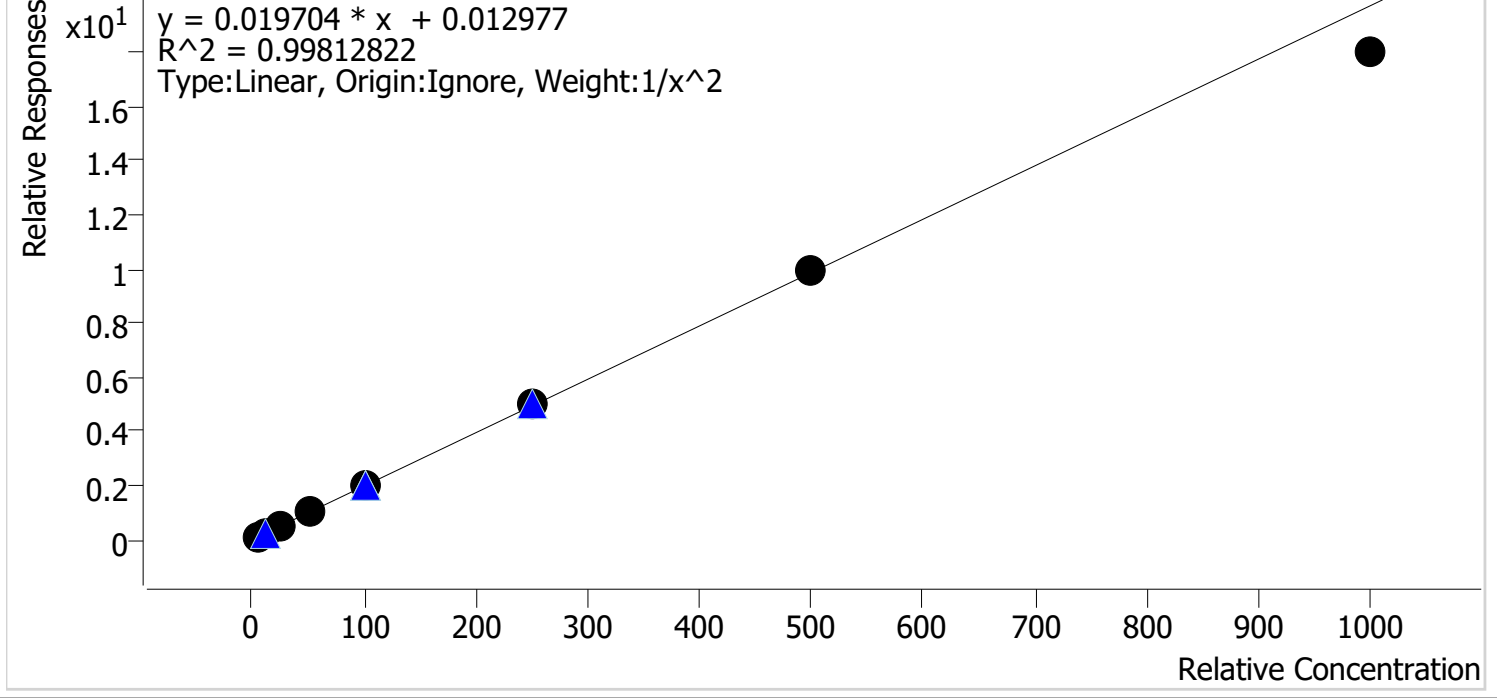
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	500.9	100.2
p1 Cal 8-1000ng	8	✓	1000.0	914.3	91.4

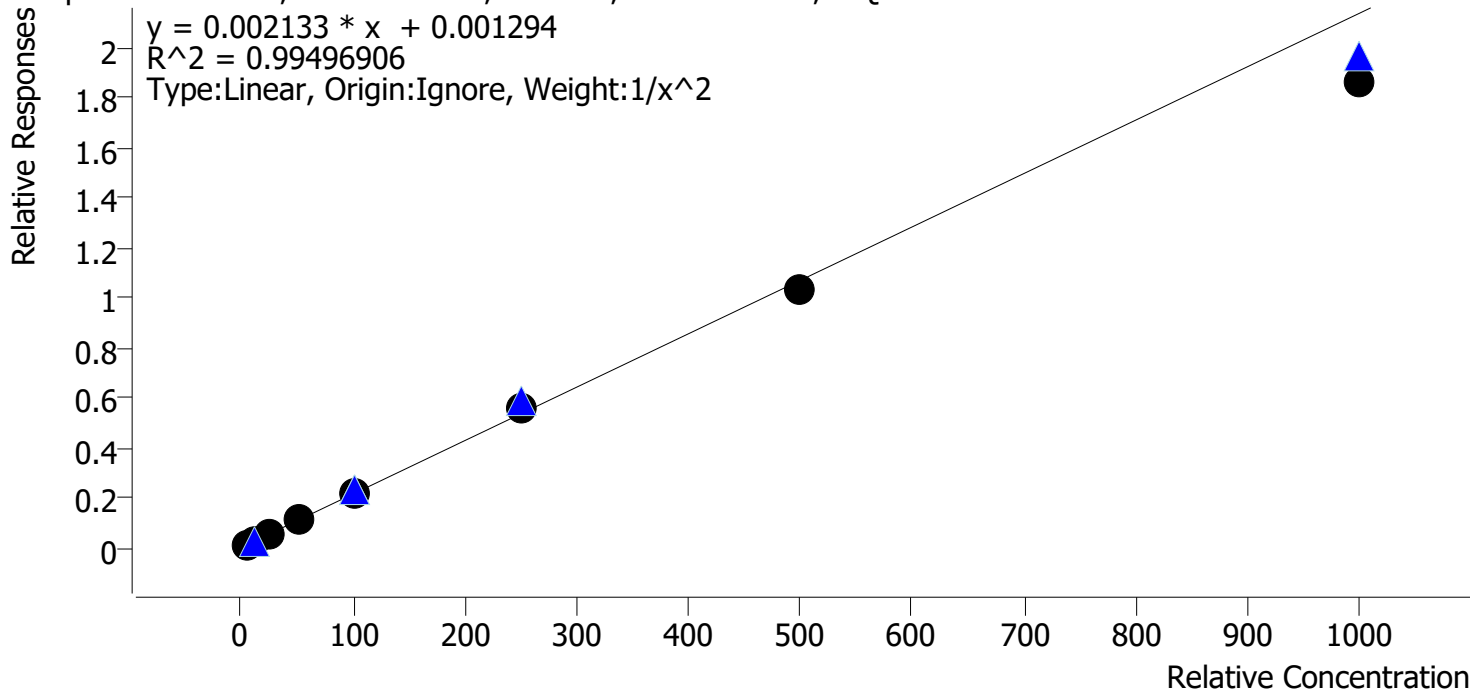
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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



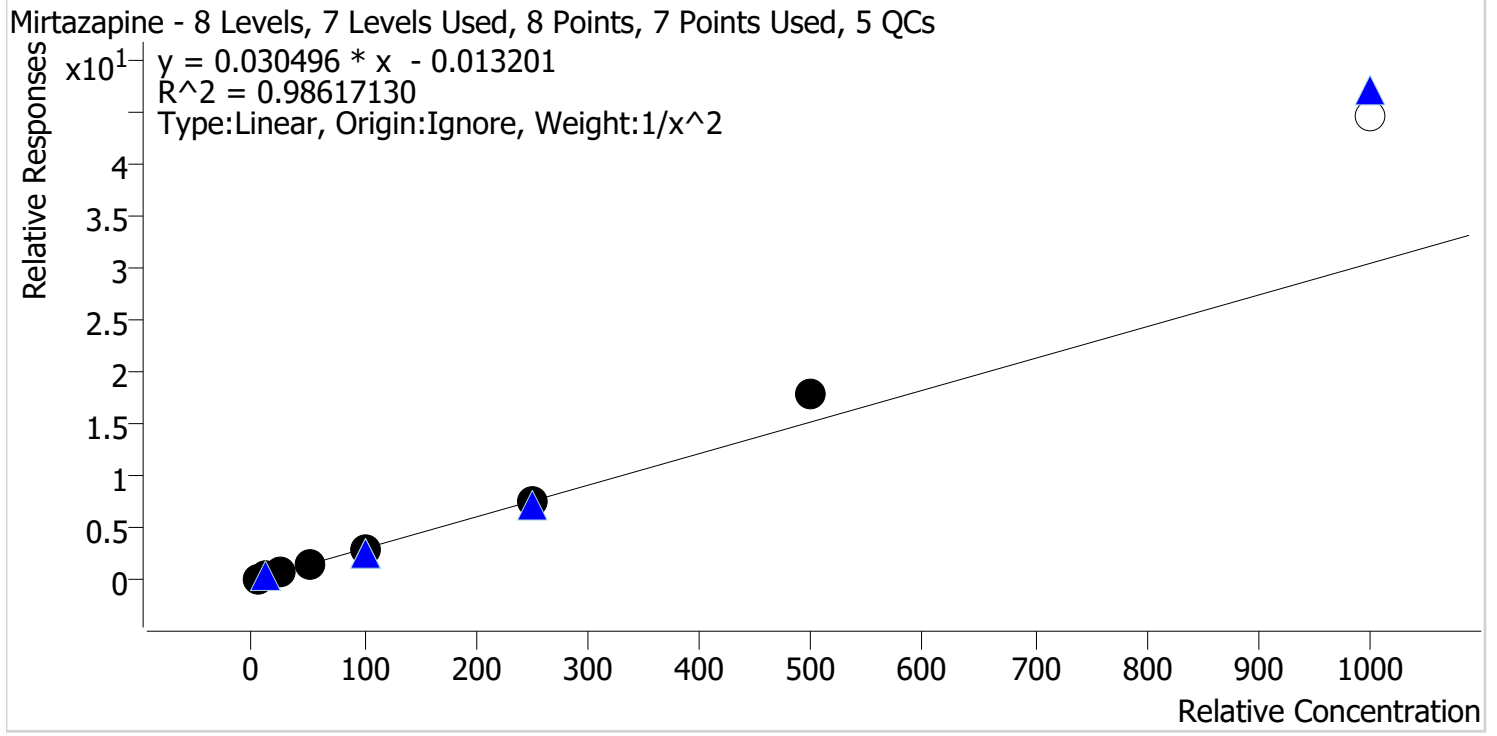
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	260.3	104.1
p1 Cal 7-500ng	7	✓	500.0	485.6	97.1
p1 Cal 8-1000ng	8	✓	1000.0	869.0	86.9

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.9
p1 Cal 2-10ng	2	✓	10.0	9.4	93.8
p1 Cal 3 -25ng	3	✓	25.0	22.2	88.8
p1 Cal 4-50ng	4	✓	50.0	45.6	91.1
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	589.1	117.8
p1 Cal 8-1000ng	8	x	1000.0	1460.2	146.0

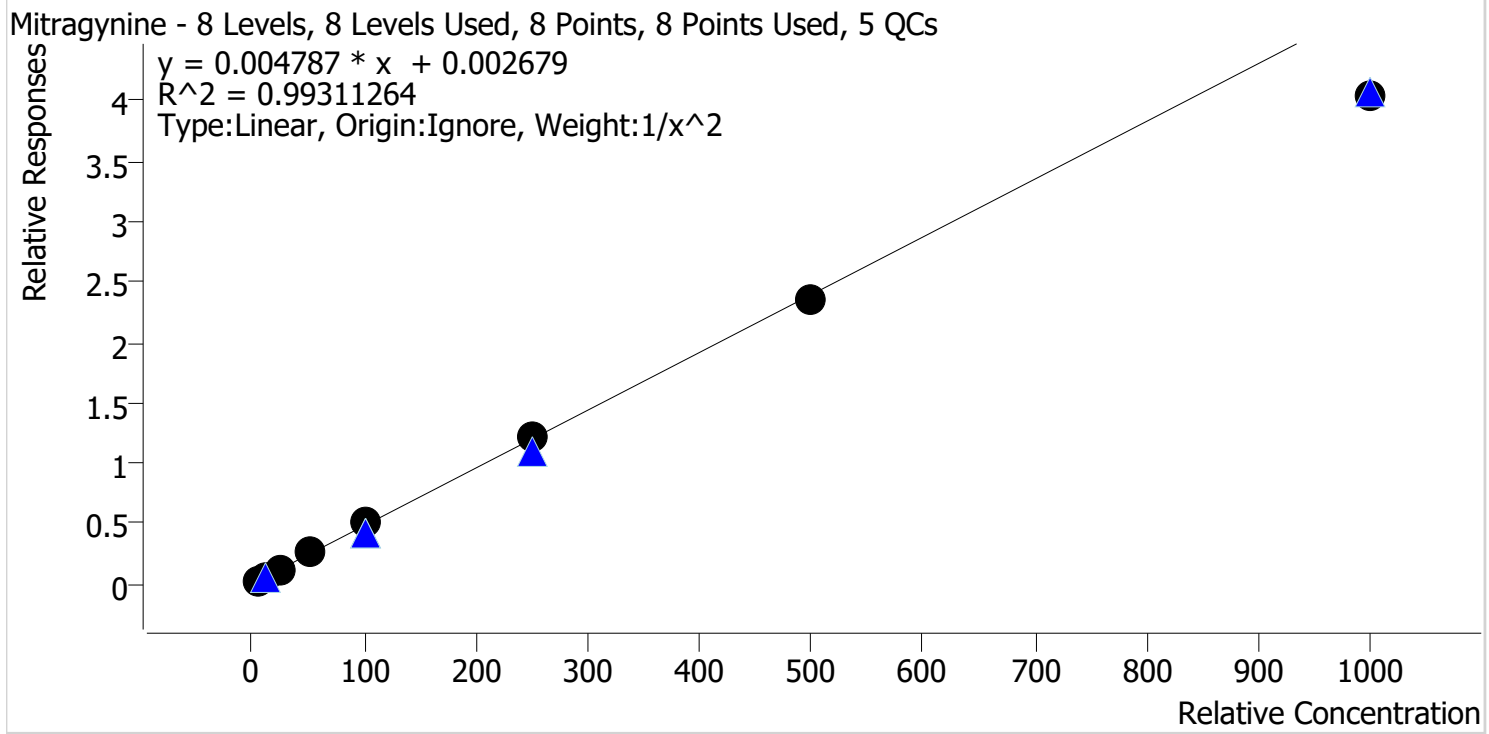


SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



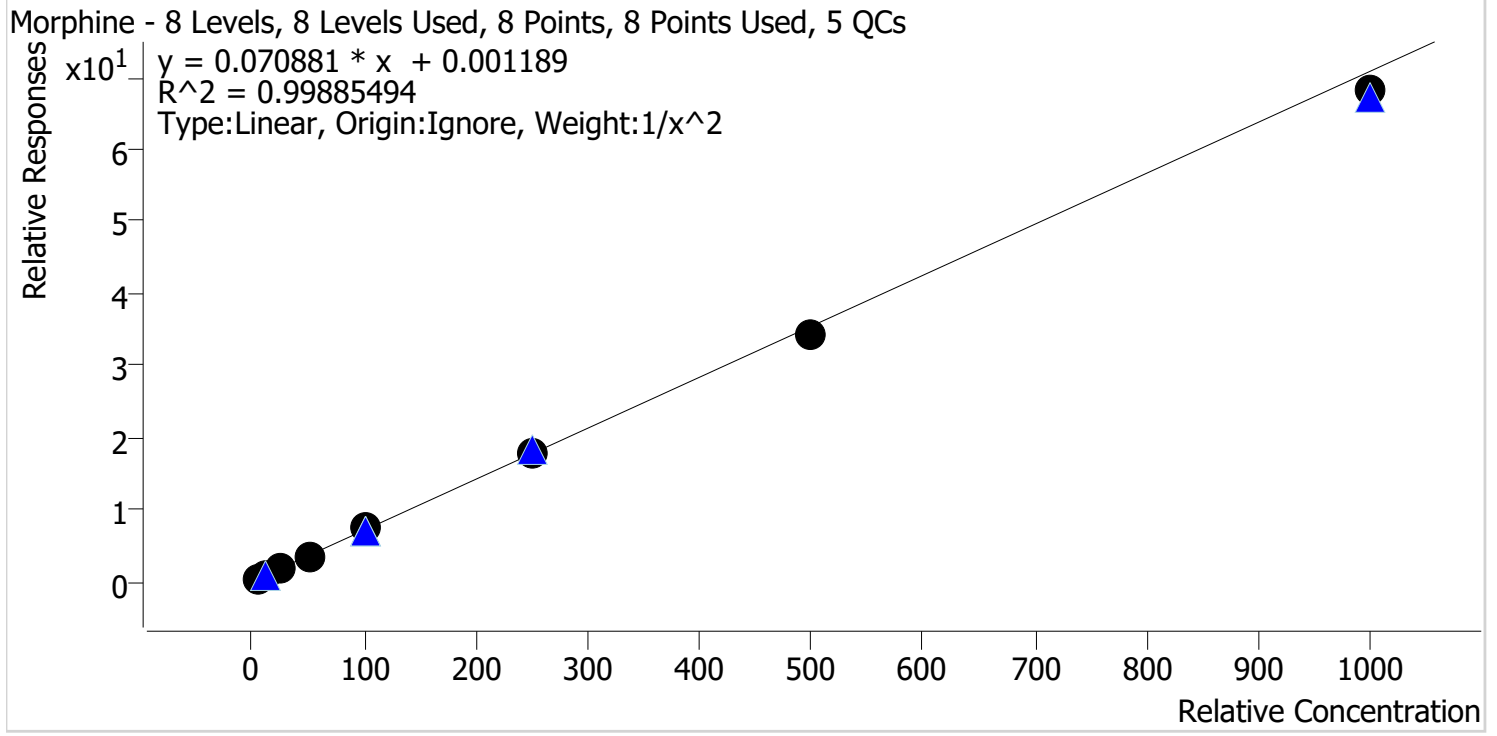
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	52.6	105.3
p1 Cal 5-100ng	5	✓	100.0	109.0	109.0
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	489.1	97.8
p1 Cal 8-1000ng	8	✓	1000.0	847.6	84.8

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	484.4	96.9
p1 Cal 8-1000ng	8	✓	1000.0	962.1	96.2

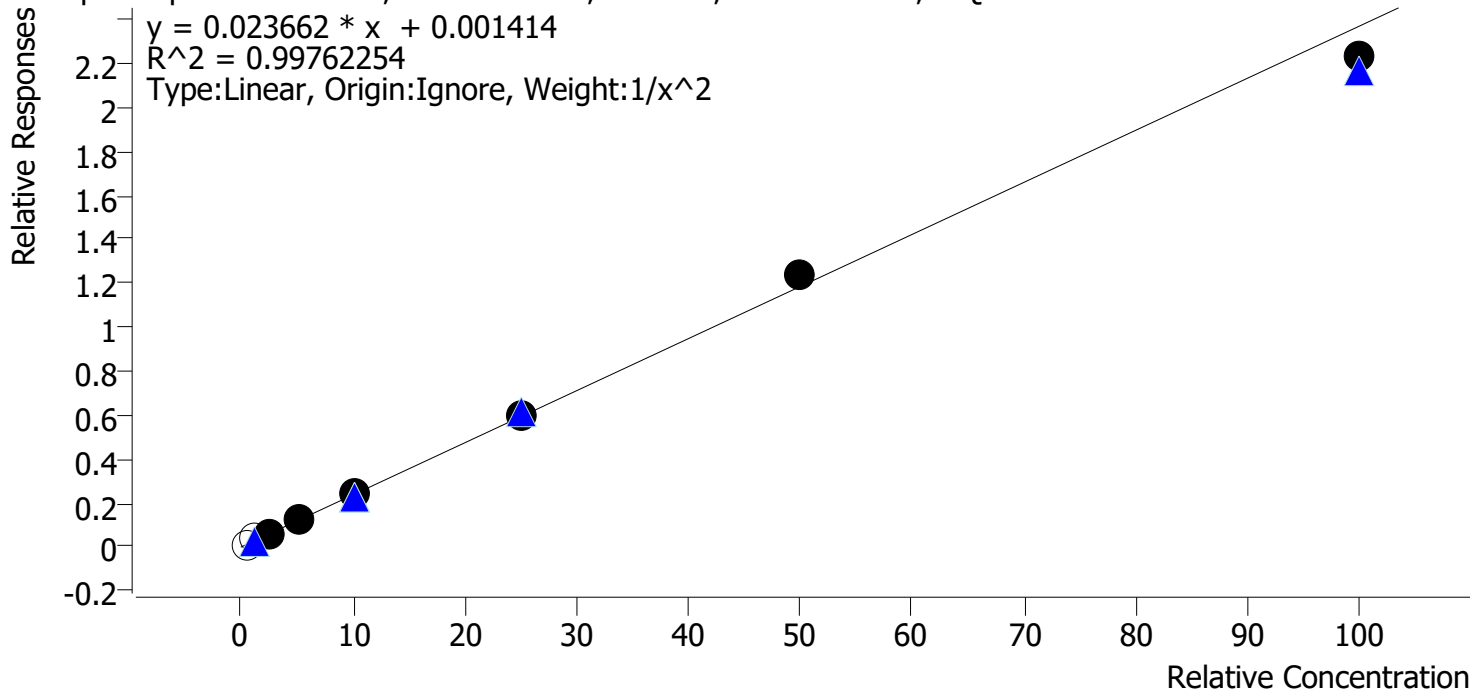
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 5 QCs



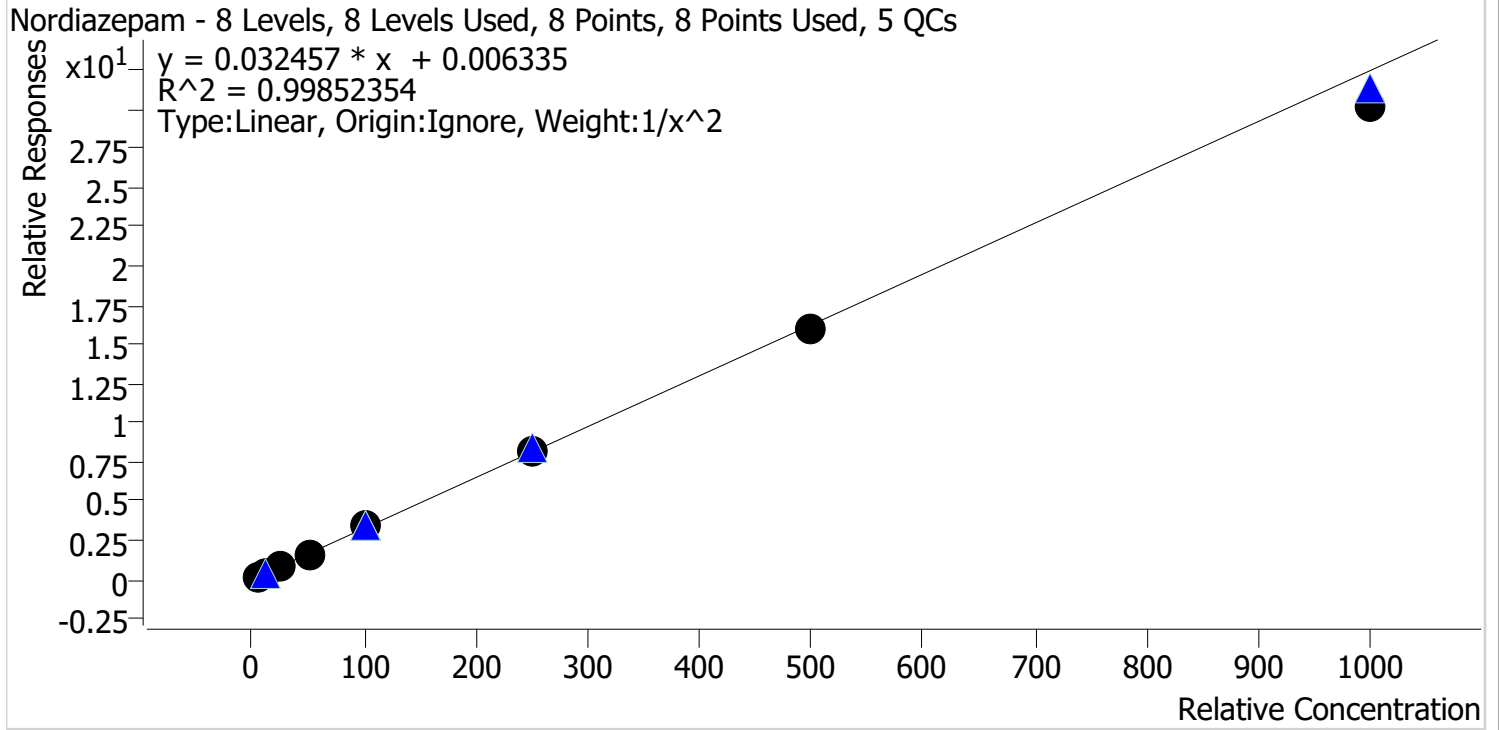
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.4	80.9
p1 Cal 2-10ng	2	x	1.0	1.4	139.2
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.2
p1 Cal 4-50ng	4	✓	5.0	5.2	103.7
p1 Cal 5-100ng	5	✓	10.0	9.9	99.5
p1 Cal 6-250ng	6	✓	25.0	24.9	99.4
p1 Cal 7-500ng	7	✓	50.0	52.5	105.0
p1 Cal 8-1000ng	8	✓	100.0	94.2	94.2

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



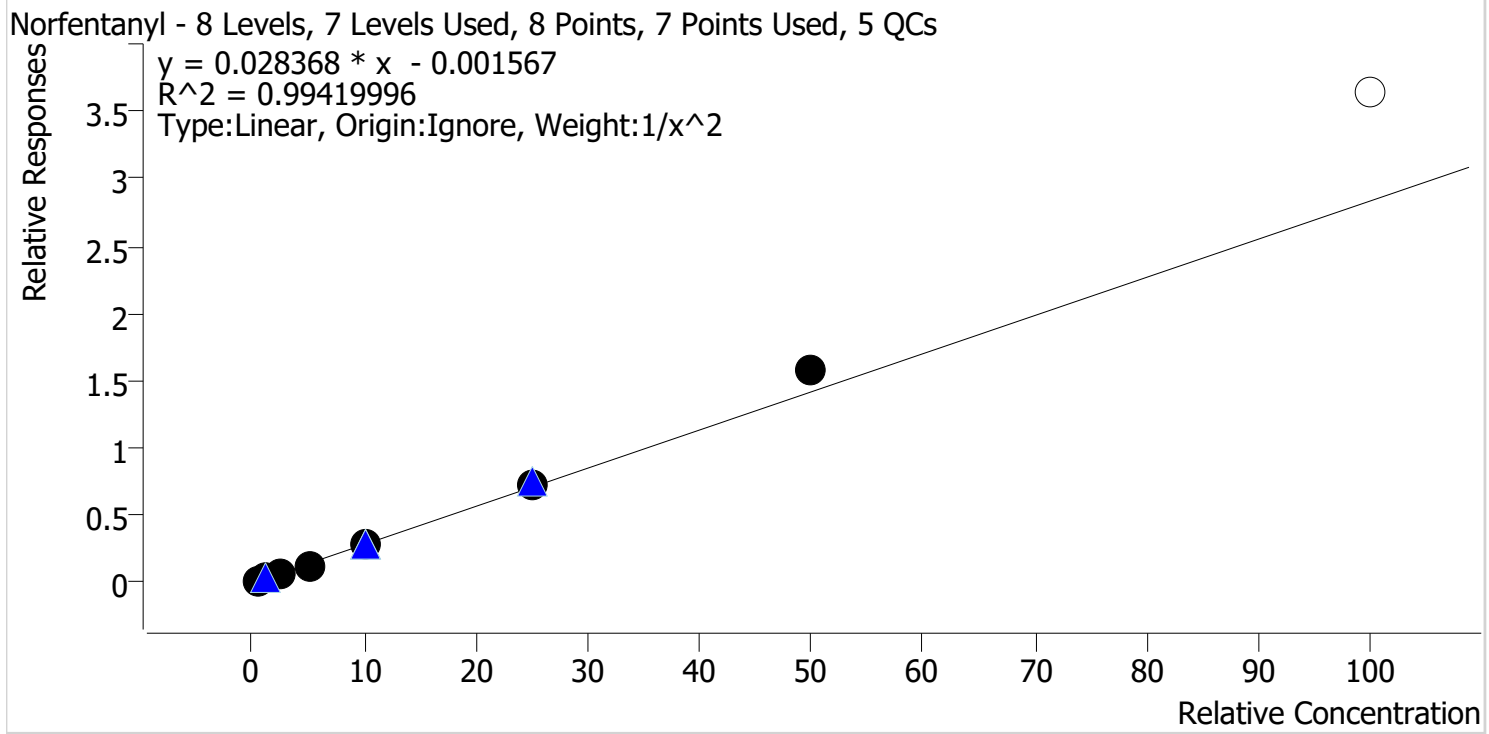
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.0
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	492.6	98.5
p1 Cal 8-1000ng	8	✓	1000.0	929.7	93.0

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl Internal Standard Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.8
p1 Cal 2-10ng	2	✓	1.0	1.0	95.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.5
p1 Cal 4-50ng	4	✓	5.0	4.7	93.8
p1 Cal 5-100ng	5	✓	10.0	9.7	96.6
p1 Cal 6-250ng	6	✓	25.0	25.6	102.3
p1 Cal 7-500ng	7	✓	50.0	56.0	112.0
p1 Cal 8-1000ng	8	✗	100.0	128.4	128.4

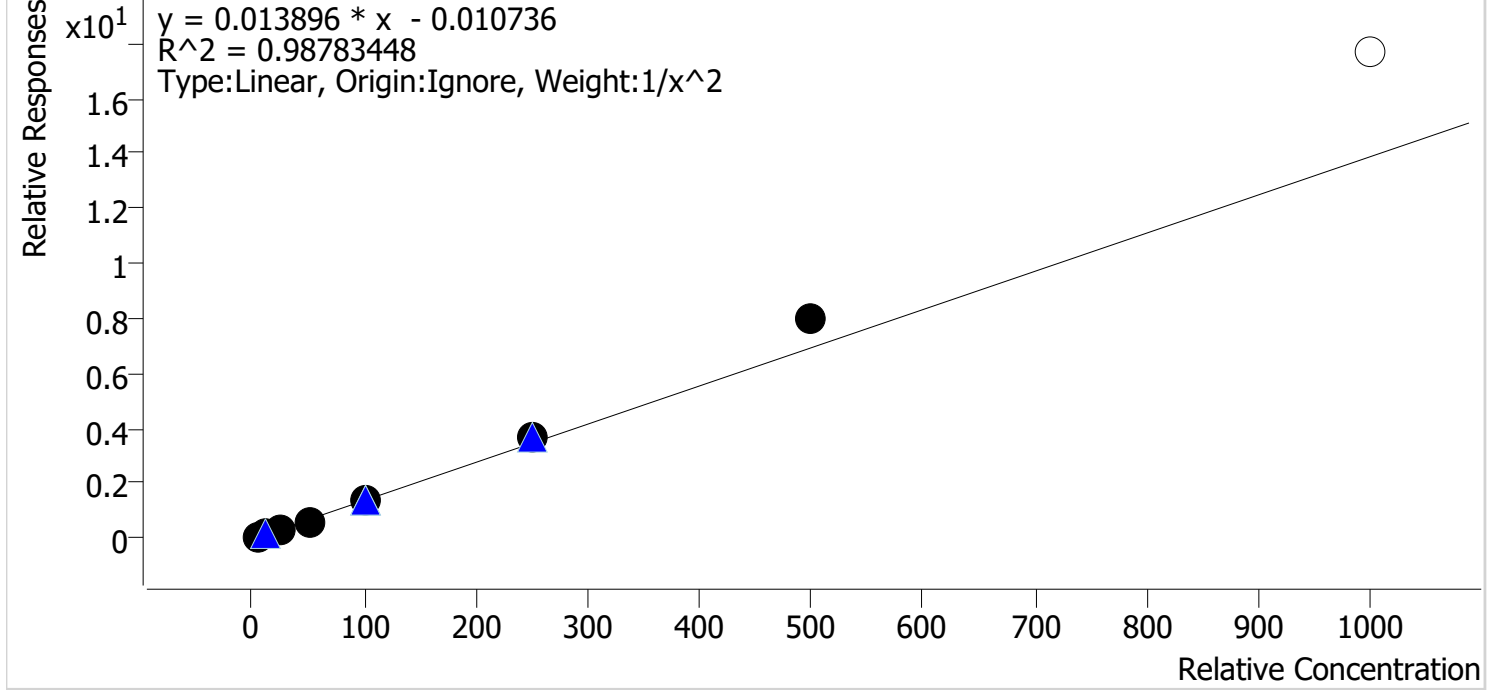
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



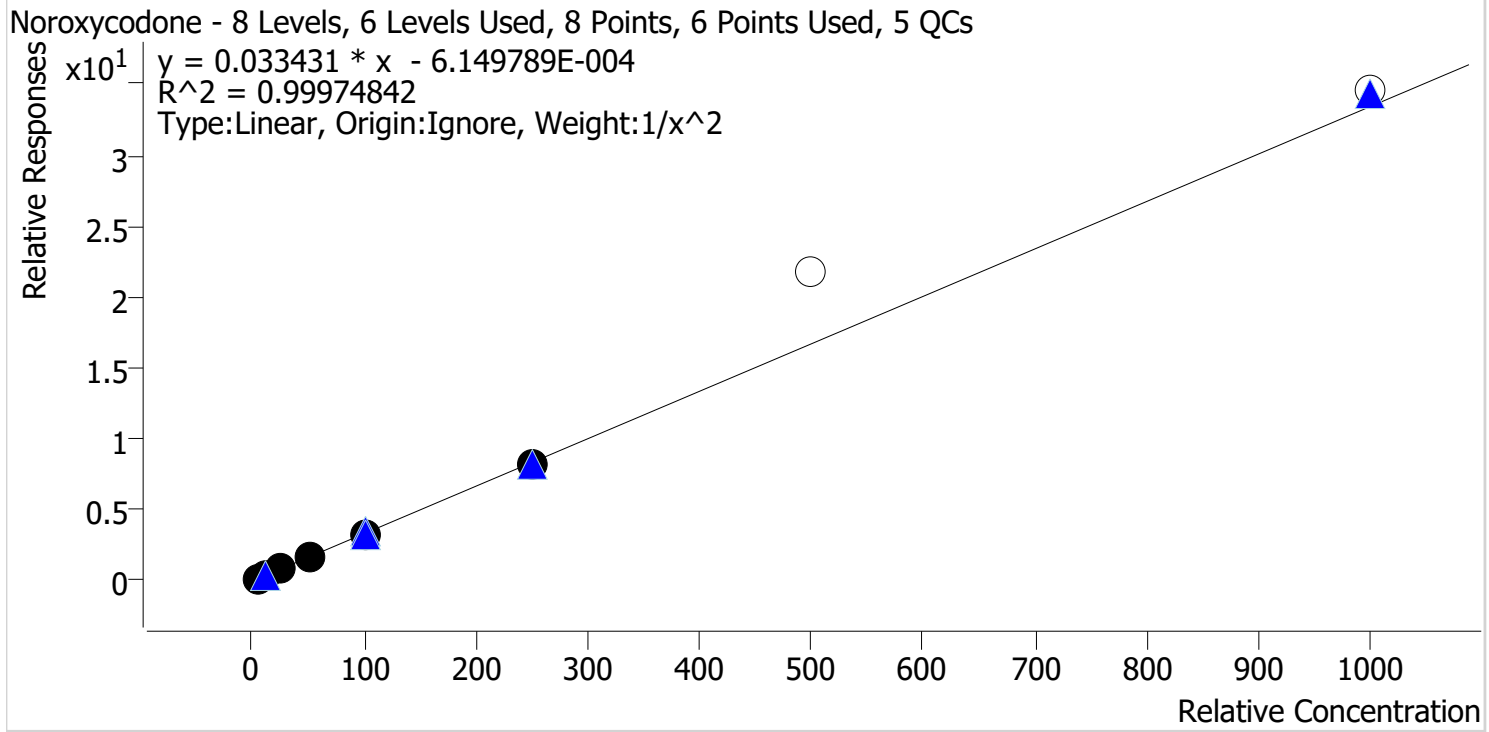
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.0
p1 Cal 2-10ng	2	✓	10.0	9.1	90.7
p1 Cal 3 -25ng	3	✓	25.0	22.6	90.6
p1 Cal 4-50ng	4	✓	50.0	47.0	94.0
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	265.6	106.2
p1 Cal 7-500ng	7	✓	500.0	573.8	114.8
p1 Cal 8-1000ng	8	✗	1000.0	1270.9	127.1

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



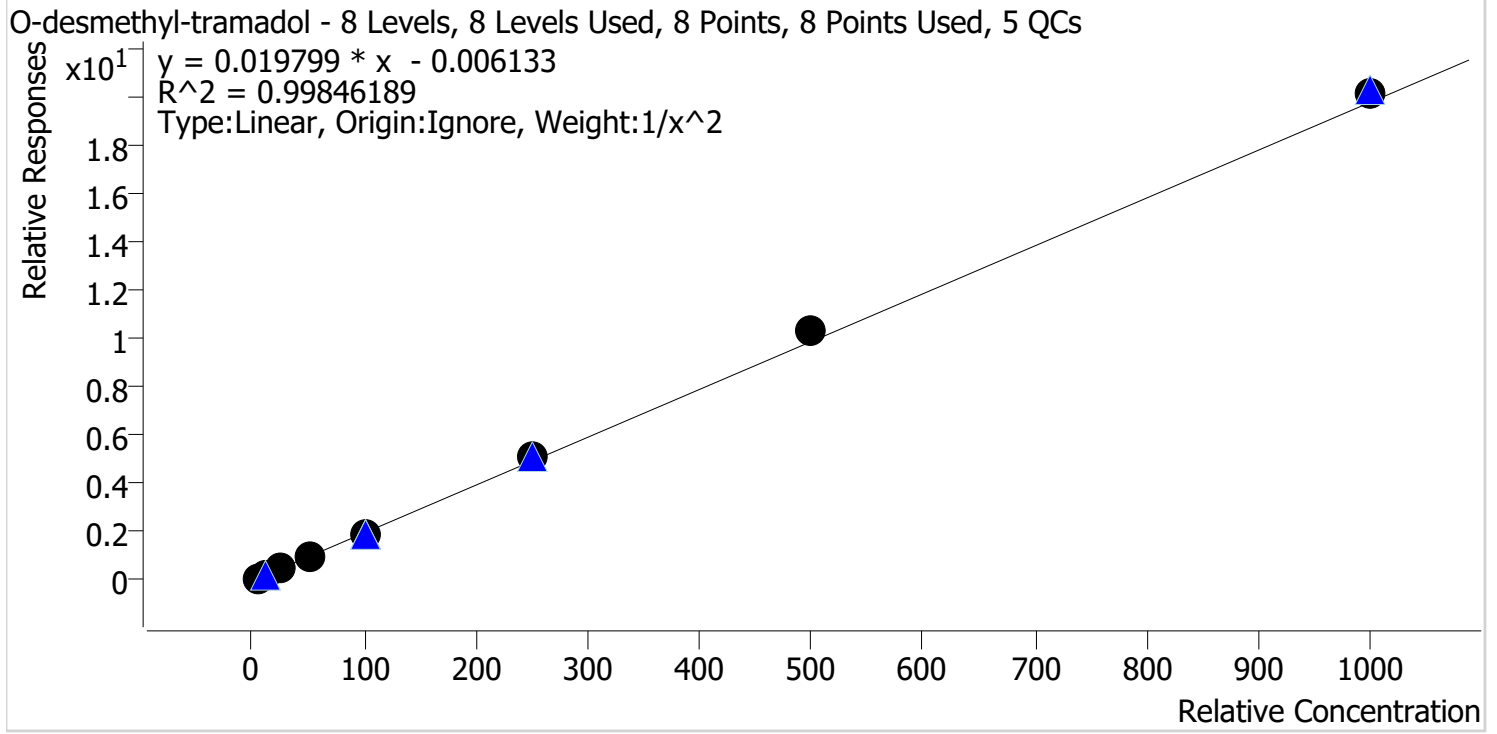
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	x	500.0	654.5	130.9
p1 Cal 8-1000ng	8	x	1000.0	1033.8	103.4

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	47.4	94.7
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	256.5	102.6
p1 Cal 7-500ng	7	✓	500.0	524.4	104.9
p1 Cal 8-1000ng	8	✓	1000.0	1016.7	101.7



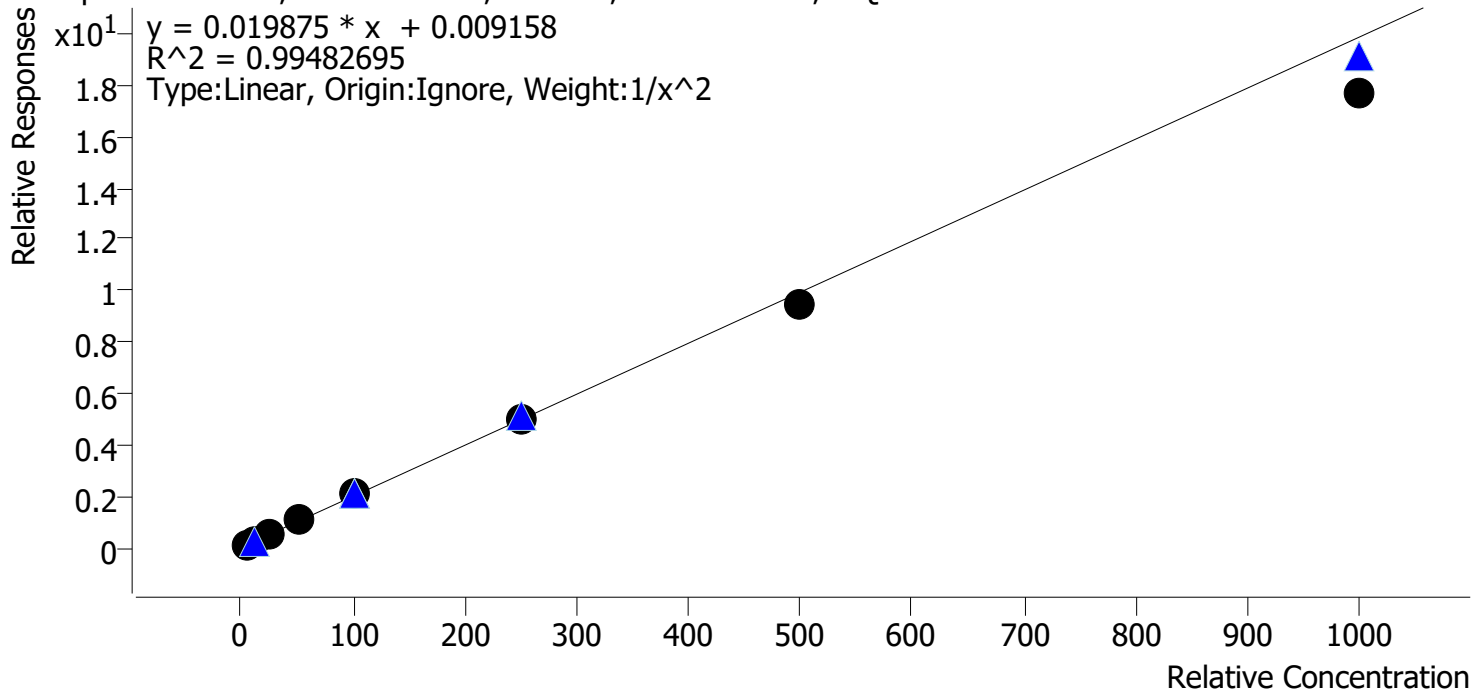
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam Internal Standard Oxazepam-D5

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



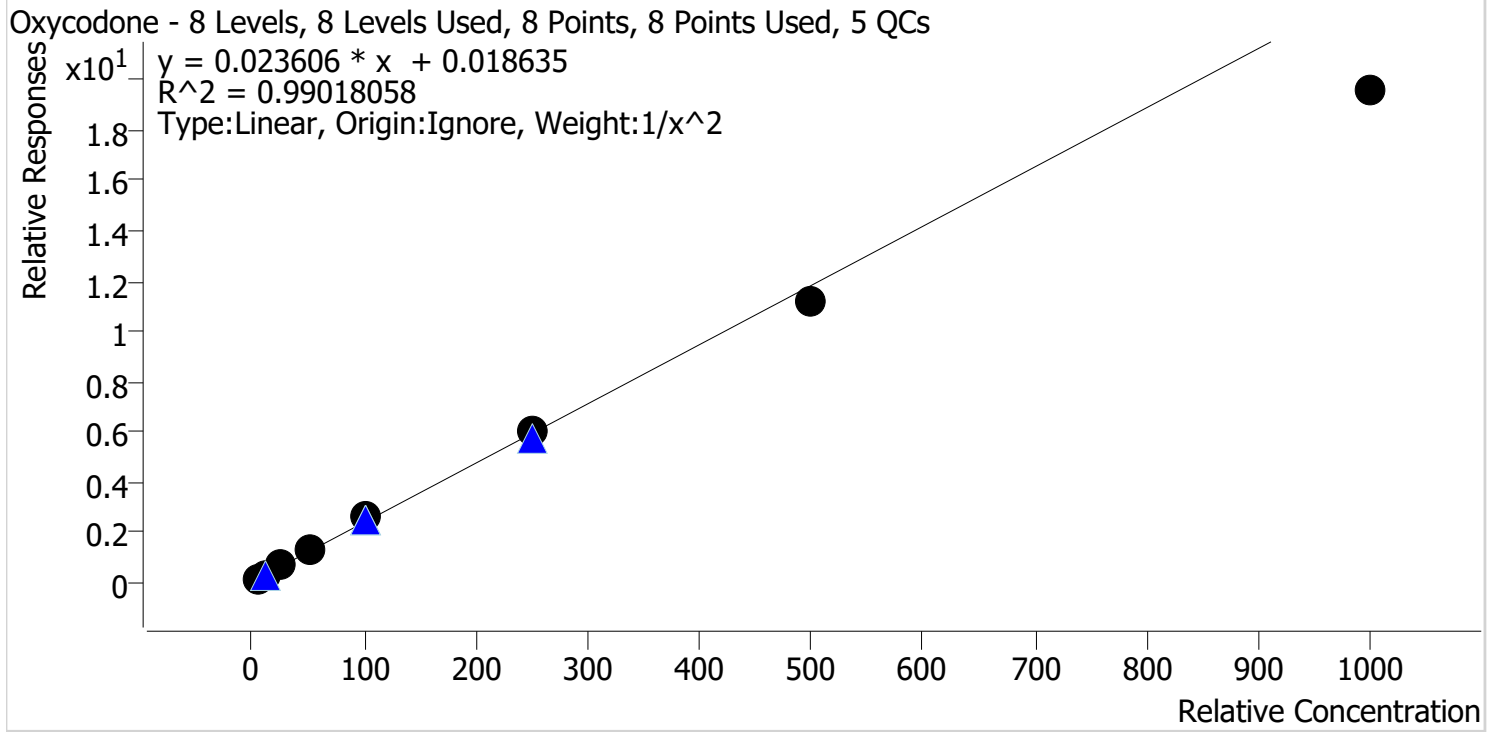
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	475.0	95.0
p1 Cal 8-1000ng	8	✓	1000.0	887.4	88.7

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6



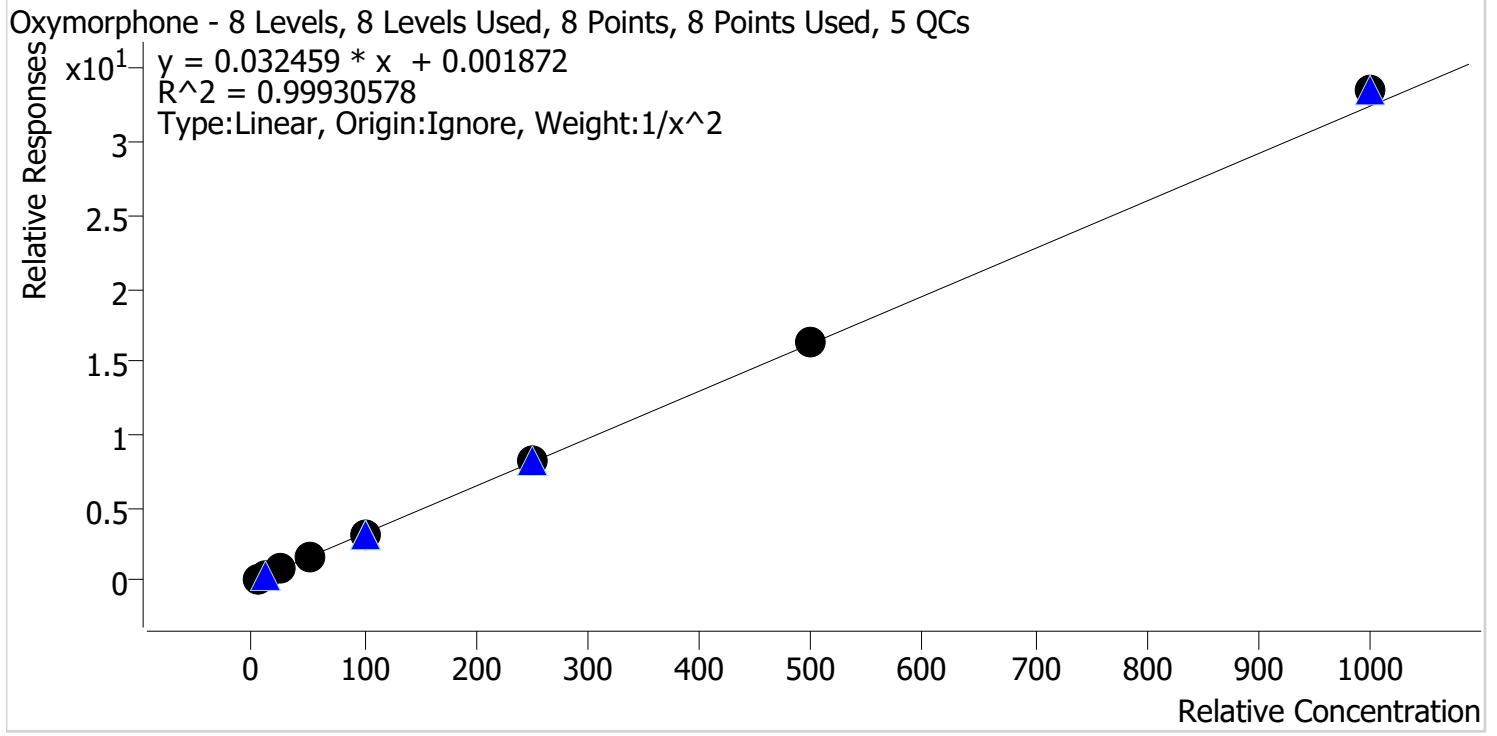
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	108.5	108.5
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	470.7	94.1
p1 Cal 8-1000ng	8	✓	1000.0	828.9	82.9

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



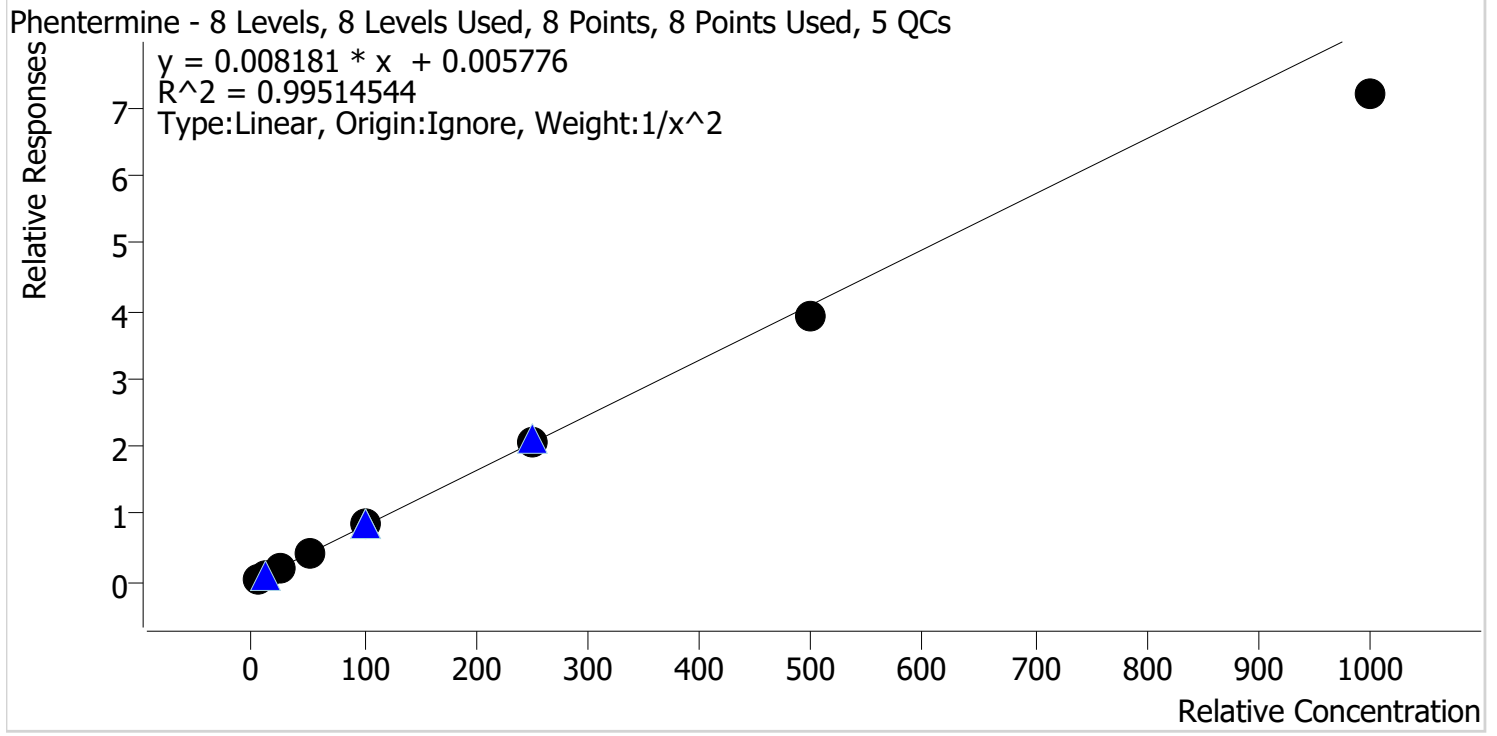
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1031.7	103.2

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



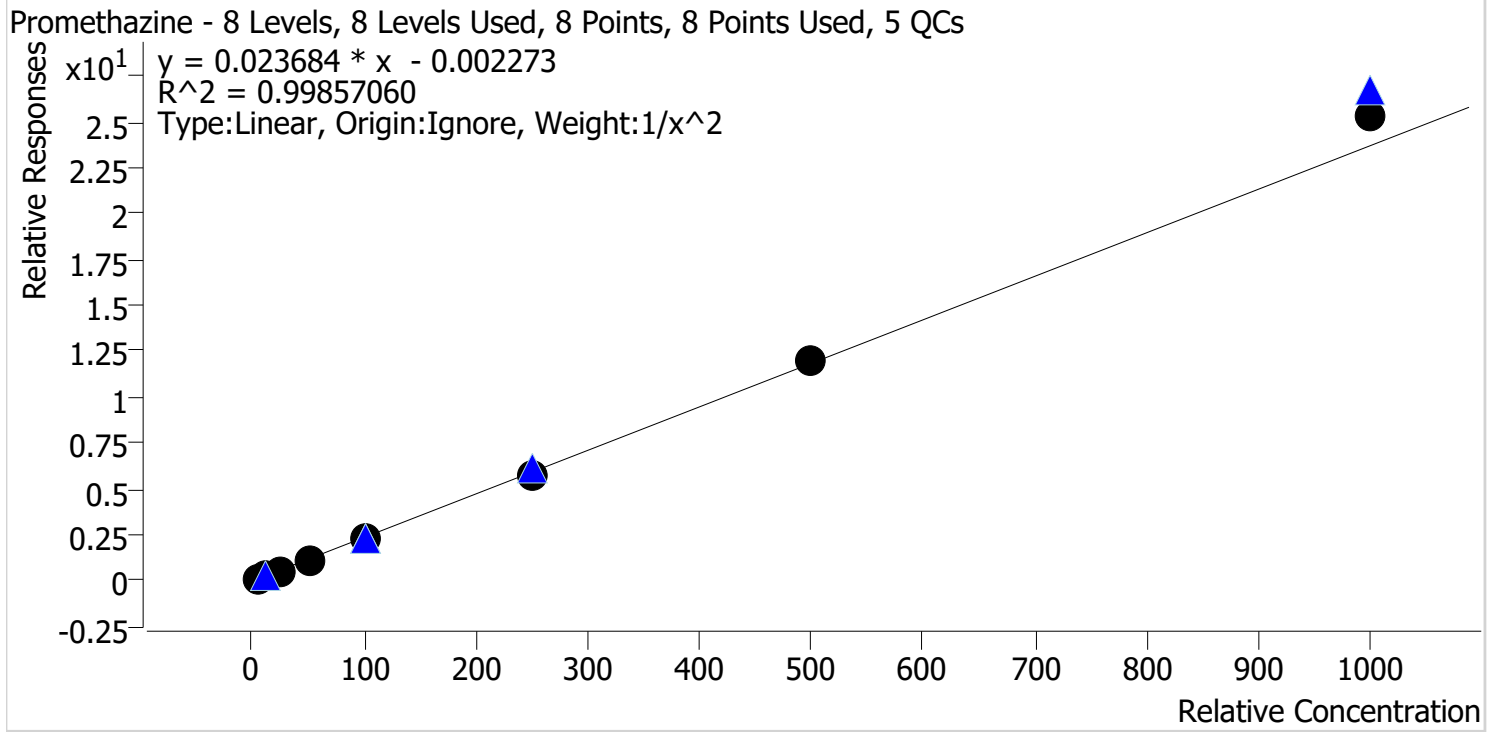
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	476.4	95.3
p1 Cal 8-1000ng	8	✓	1000.0	881.7	88.2

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



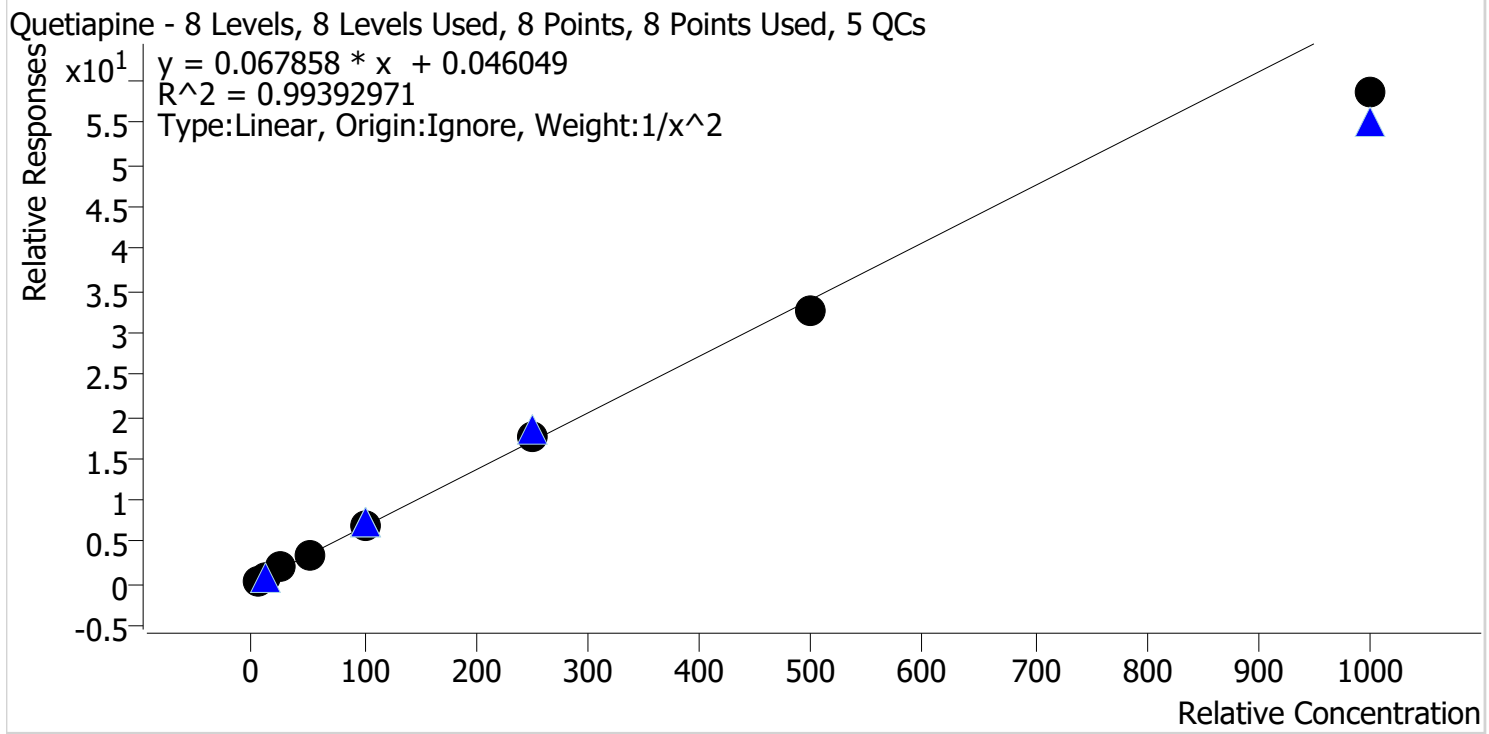
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	48.0	96.1
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1068.6	106.9

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



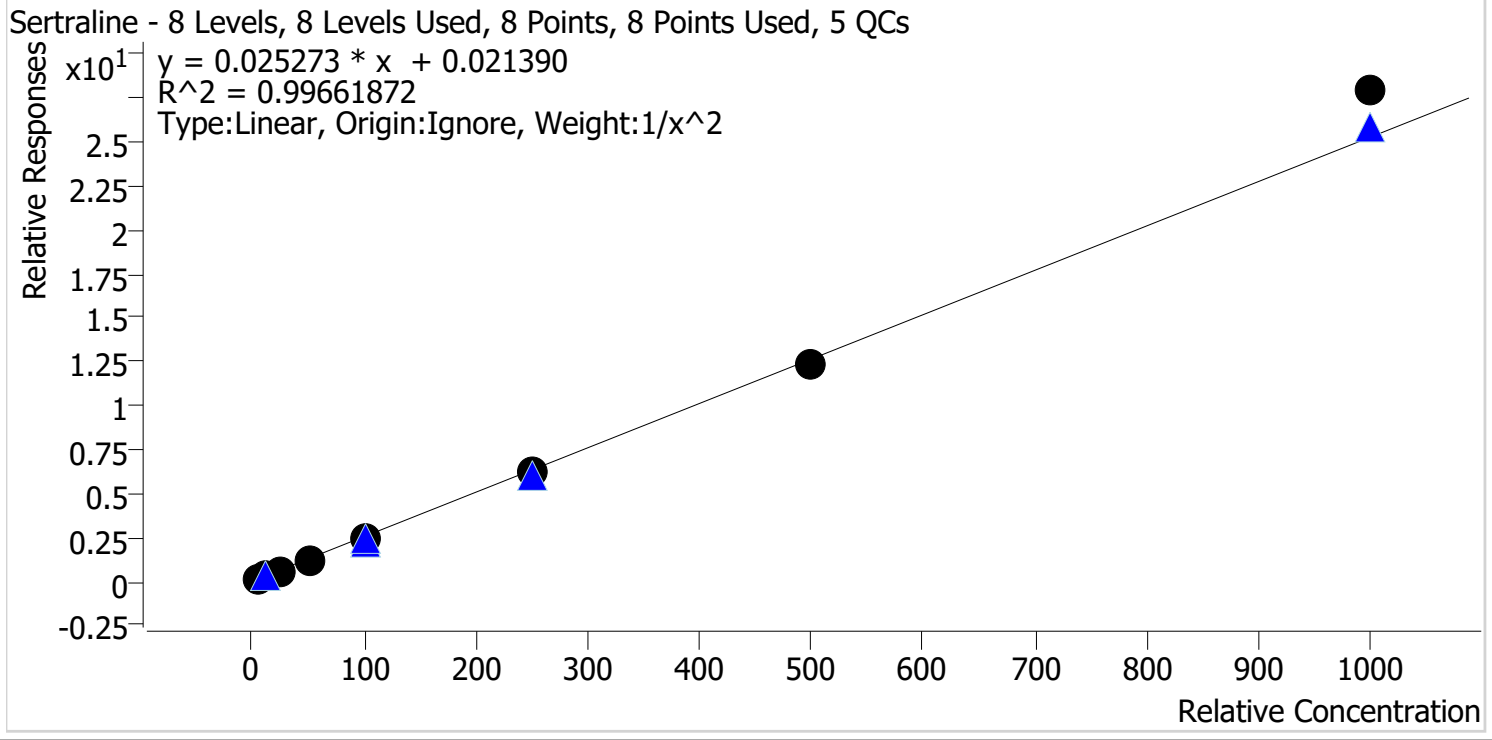
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.3
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	258.6	103.4
p1 Cal 7-500ng	7	✓	500.0	481.3	96.3
p1 Cal 8-1000ng	8	✓	1000.0	863.9	86.4

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



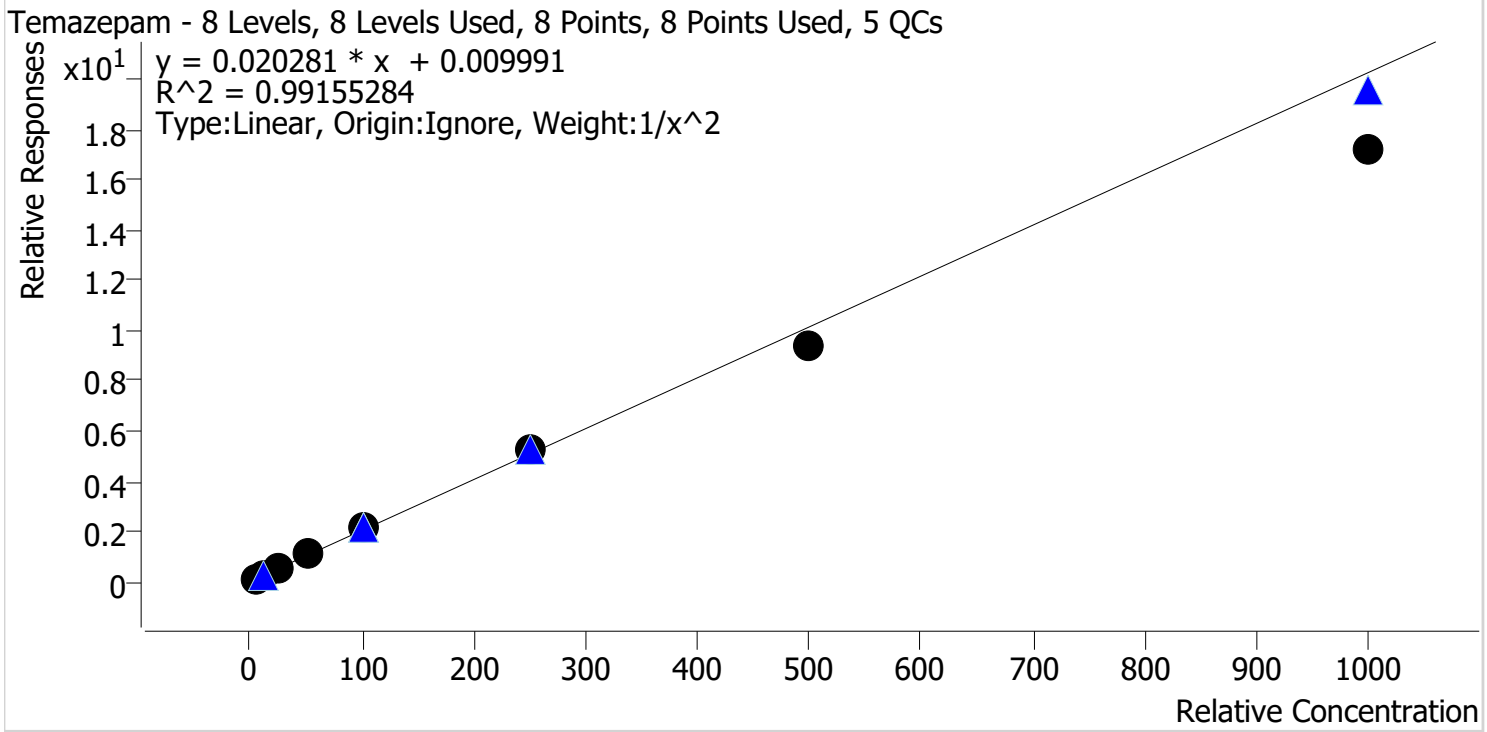
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	484.4	96.9
p1 Cal 8-1000ng	8	✓	1000.0	1105.0	110.5

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	261.6	104.7
p1 Cal 7-500ng	7	✓	500.0	462.9	92.6
p1 Cal 8-1000ng	8	✓	1000.0	847.1	84.7

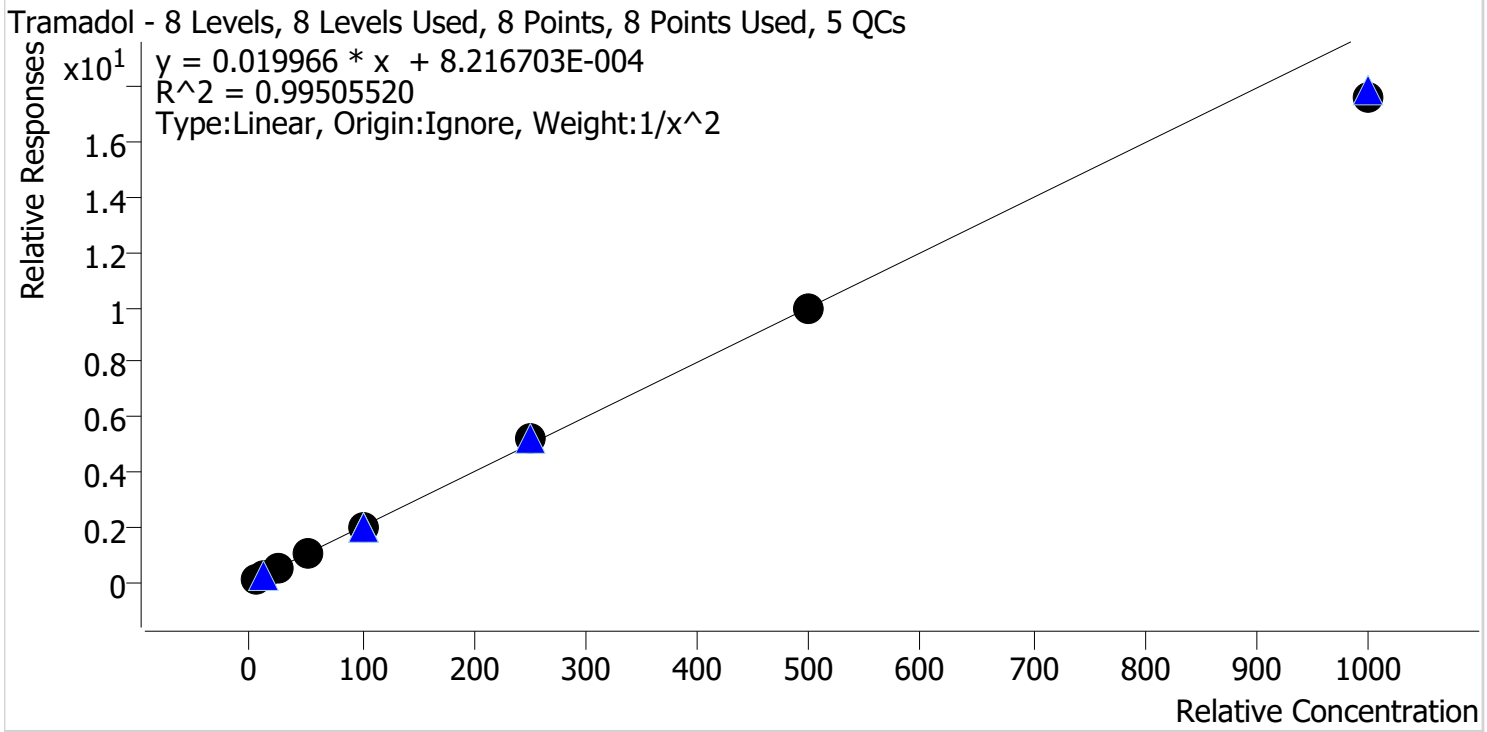


SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



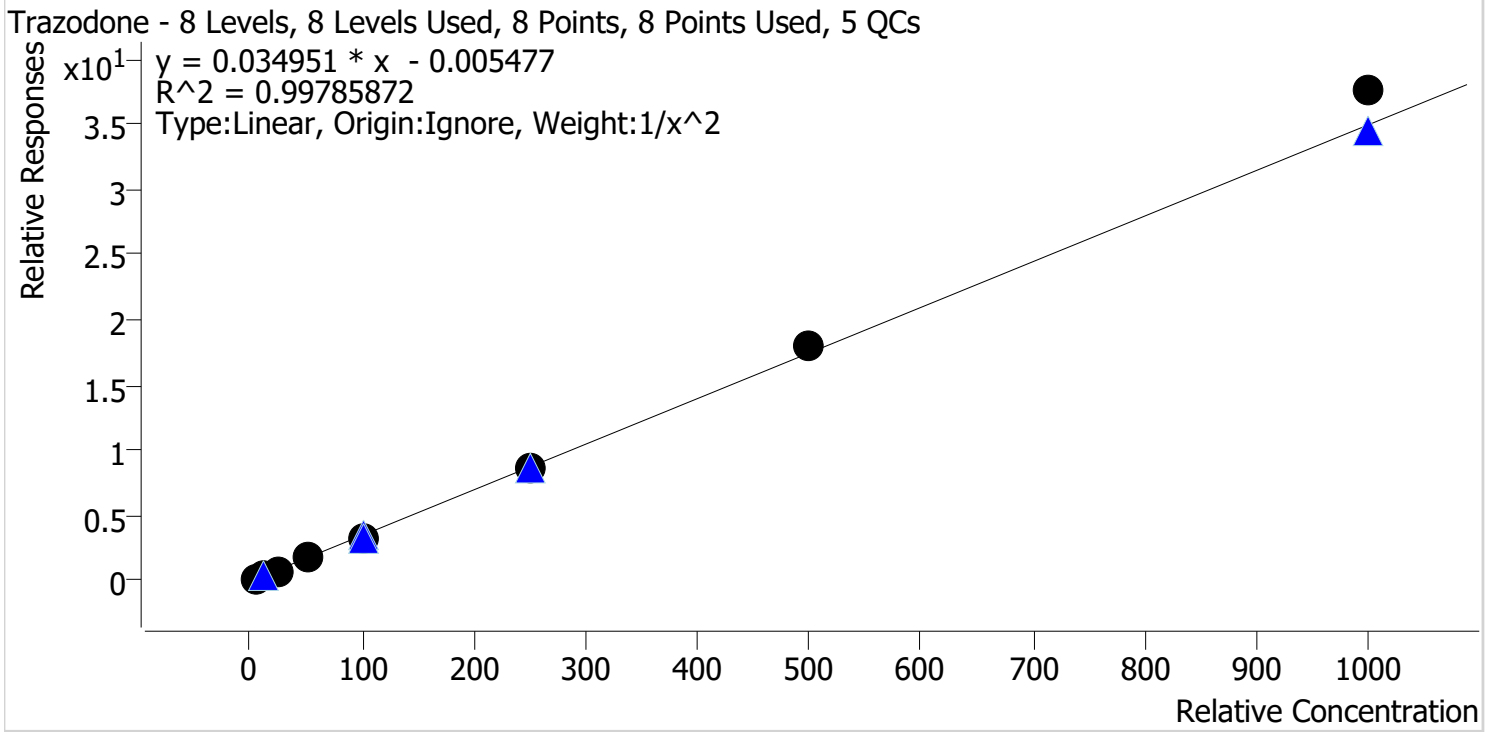
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	10.7	107.1
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	262.6	105.0
p1 Cal 7-500ng	7	✓	500.0	496.2	99.2
p1 Cal 8-1000ng	8	✓	1000.0	881.8	88.2

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



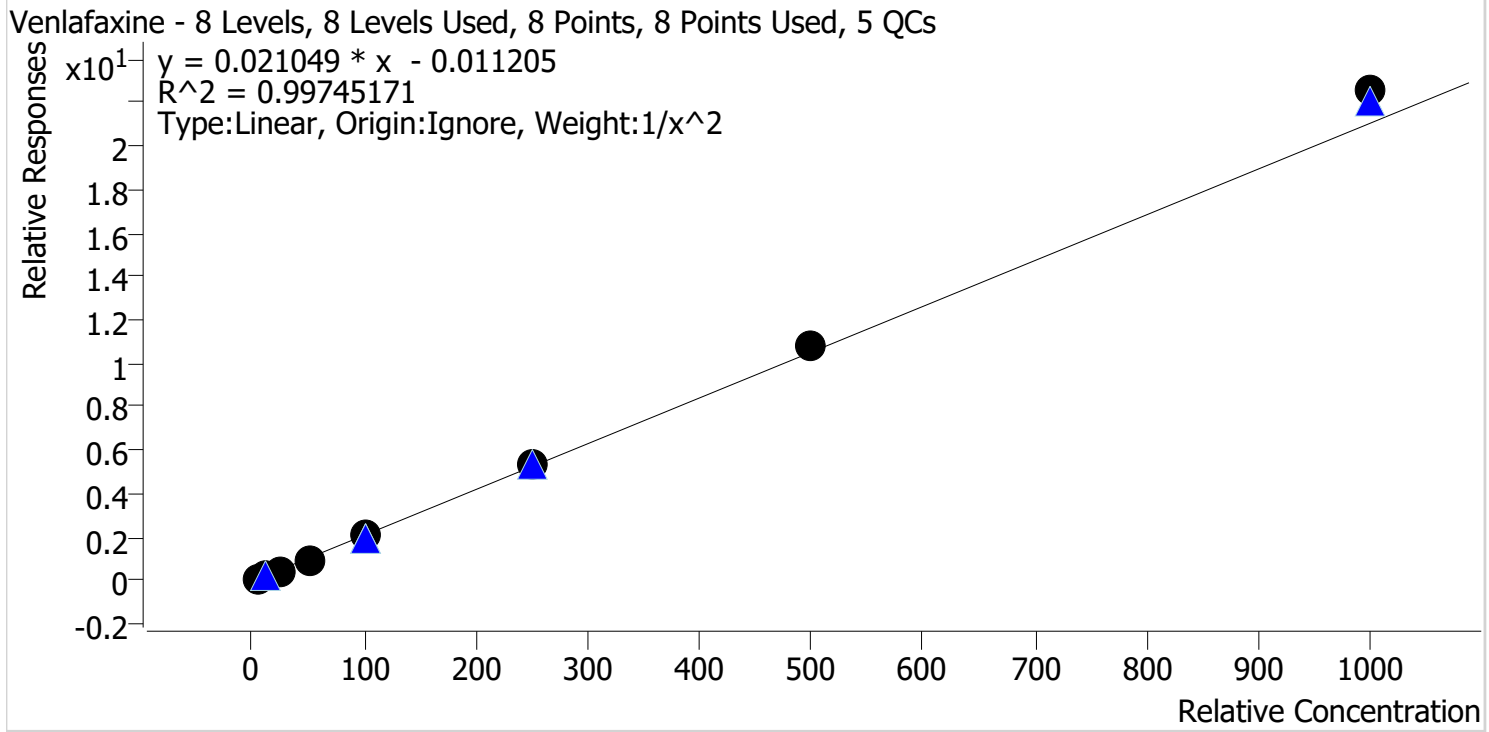
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	514.6	102.9
p1 Cal 8-1000ng	8	✓	1000.0	1075.2	107.5

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	47.6	95.1
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	252.6	101.1
p1 Cal 7-500ng	7	✓	500.0	517.8	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1071.3	107.1

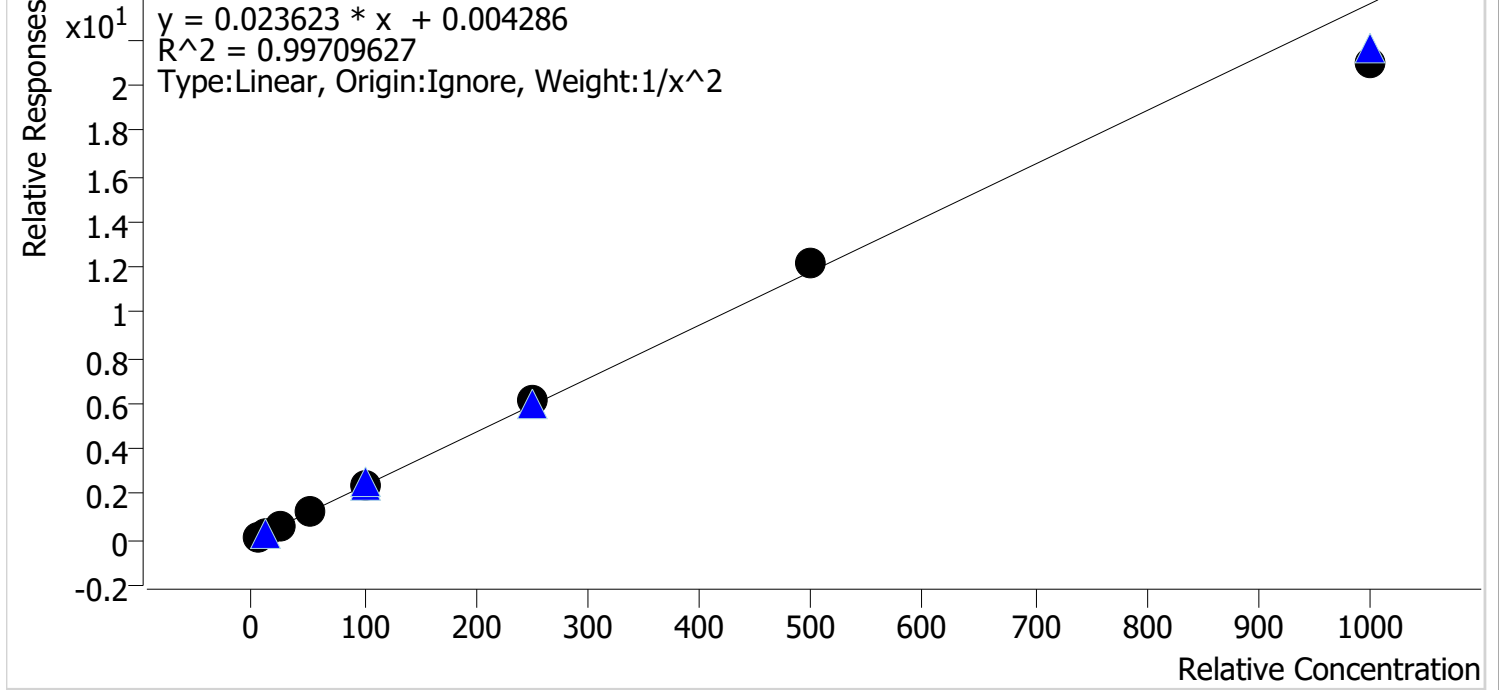
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 10/7/2022 10:35 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	259.4	103.8
p1 Cal 7-500ng	7	✓	500.0	512.8	102.6
p1 Cal 8-1000ng	8	✓	1000.0	889.7	89.0

SC

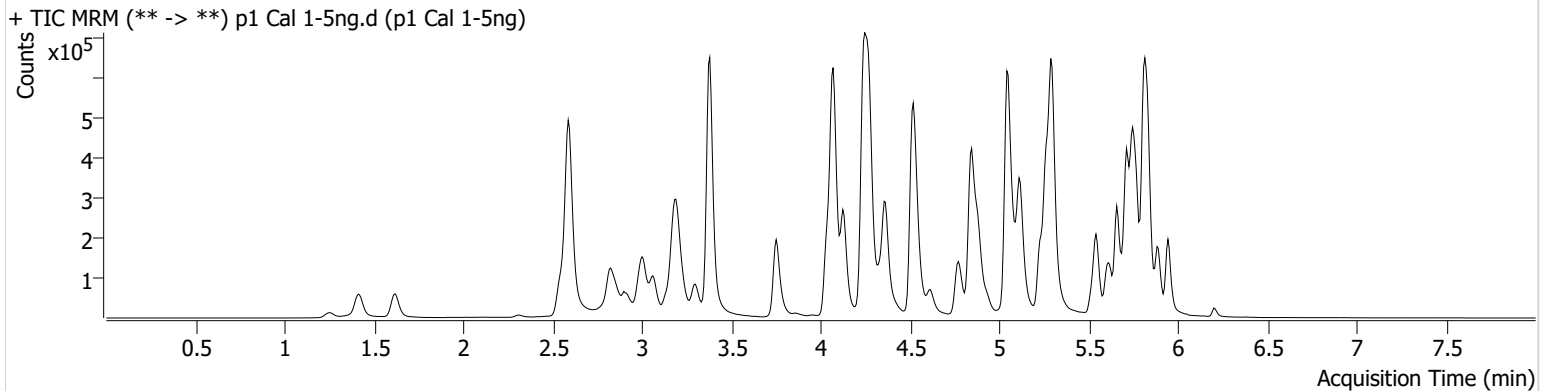


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 Cal 1-5ng.d  
**Type** Cal **Sample** p1 Cal 1-5ng  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-H5 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 12:13:38 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	1668	177.68	65.9	2159.93	74461	0.5224 ng/ml
7-aminoclonazepam	4.265	26745	239.31	73.7	1092.84	218909	4.8609 ng/ml
a-hydroxyalprazolam	5.695	13547	1206.80	63.9	94.27	1041394	4.9034 ng/ml
alpha-PHP	4.935	19818	687.79	254.9	512.76	570940	5.1572 ng/ml
alpha-PVP	4.370	76282	7372.24	50.6	151.63	570940	5.0704 ng/ml
Alprazolam	5.772	49195	234.44	108.4	210.26	352293	5.0323 ng/ml
Amphetamine	3.064	97576	206.26	52.1	153.61	251618	4.8054 ng/ml
Benzoylcegonine	3.884	1801	17.12	6.7	999.05	11949	5.0884 ng/ml
Buprenorphine	5.713	1006	799.47	17.8	133.91	65501	0.5319 ng/ml
Bupropion	4.785	51846	239.98	68.4	4289.89	328828	4.9884 ng/ml
Carisoprodol	5.720	61067	59485.78	63.4	149.05	523009	5.1311 ng/ml
Chlordiazepoxide	5.834	29781	1069.99	76.8	261.79	635323	4.7581 ng/ml
Chlorpheniramine	5.117	80793	685.56	0.3	7.52	719108	5.0337 ng/ml
Citalopram	5.231	45332	236.91	33.2	233.95	365782	5.1396 ng/ml
Clonazepam	5.607	52408	1240.10	35.6	33908.08	137662	4.8196 ng/ml
Clonazolam	5.551	36305	51763.77	36.8	14822.57	137662	4.8402 ng/ml
Cocaine	4.271	57759	4294.50	54.9	672.83	978310	5.1022 ng/ml
Codeine	2.593	7832	561.79	103.4	13003.27	72584	4.7057 ng/ml
Cyclobenzaprine	5.624	15281	24544.15	6.8	30.53	117907	5.0504 ng/ml
Dextromethorphan	5.275	20731	787.75	86.6	94.57	183071	5.0627 ng/ml
Dextrorphan	4.131	23508	298.26	204.7	830.45	490006	5.0451 ng/ml
Diazepam	5.951	36660	112.36	89.3	472.12	311368	5.0080 ng/ml
Dihydrocodeine	2.572	18958	326.64	68.8	324.97	219545	4.8797 ng/ml
Diphenhydramine	5.296	114840	∞	31.3	3899.59	1191349	5.0836 ng/ml
Doxylamine	4.531	156534	1283.26	97.0	719.17	1396731	5.0531 ng/ml
Duloxetine	5.650	1084	5.91	14.3	1.41	10329	4.8567 ng/ml
EDDP	5.261	66544	123.29	41.0	402.60	630917	5.0713 ng/ml
Etizolam	5.810	24217	1709.33	26.6	11144.93	137662	5.1168 ng/ml
Fentanyl	5.087	2053	84.40	66.8	122.57	202019	0.5277 ng/ml
Flualprazolam	5.701	21940	797.84	100.2	2810.69	352293	4.7868 ng/ml
Fluoxetine	5.717	12870	482.89	8.6	1230.06	79619	5.0843 ng/ml
Hydrocodone	3.033	28783	∞	37.4	55.01	294954	4.8669 ng/ml
Hydromorphone	1.629	26829	228.79	77.7	879.14	161428	4.9977 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	25131	483.08	77.3	877.28	183071	5.1912 ng/ml
Ketamine	4.050	59327	452.74	33.6	71.48	461178	4.8798 ng/ml
Lamotrigine	4.287	5907	440.37	84.3	424.46	1336199	4.9715 ng/ml
Lorazepam	5.743	45924	885.71	50.0	36.87	594953	4.6618 ng/ml
MDA	3.211	101788	383.91	29.6	298.66	511498	4.8660 ng/ml
MDMA	3.305	55550	457.75	93.6	405.44	112574	5.0349 ng/ml
Meprobamate	4.908	42371	961.57	28.6	208.40	383485	4.9673 ng/ml
Methadone	5.655	56901	4035.55	58.0	763.19	450766	5.0758 ng/ml
Methamphetamine	3.232	48594	194.76	37.6	95.19	439967	4.9468 ng/ml
Metoprolol	4.334	15273	166.32	92.8	191.20	1303158	4.8885 ng/ml
Mirtazapine	4.613	84697	1374.26	52.9	473.53	570940	5.2973 ng/ml
Mitragynine	5.222	11706	57.19	35.9	98.02	450766	4.8656 ng/ml
Morphine	1.261	4215	1005.36	30.3	224.45	12166	4.8713 ng/ml
Norbuprenorphine	5.004	126	7.41 <b>Low</b>	158.5 <b>High</b>	666.67	11481	0.4046 ng/ml
Nordiazepam	5.890	40955	333.29	56.5	557.56	245663	4.9412 ng/ml
Norfentanyl	4.091	13596	102.12	36.1	24.71	1033490	0.5190 ng/ml
Norhydrocodone	3.081	5290	67.79	35.8	51.92	83145	5.3513 ng/ml
Noroxycodone	2.931	26568	146.23	49.2	362.56	160148	4.9808 ng/ml
O-desmethyl-tramadol	3.386	148062	12680.72	5.9	143.67	1561478	5.0991 ng/ml
o-desmethylvenlafaxine	4.076	214039	6588.46	15.8	258.57	304859	5.1345 ng/ml
Olanzapine	4.407	13432	6696.12	57.2	289.88	63219	5.1418 ng/ml
Oxazepam	5.753	63444	97.39	72.4	175.70	594953	4.9046 ng/ml
Oxycodone	2.849	53139	901.25	30.6	1787.23	403691	4.7868 ng/ml
Oxymorphone	1.418	29376	394.34	48.0	472.58	180511	4.9560 ng/ml
Phentermine	3.787	24234	95.12	5.7	30.53	532792	4.8539 ng/ml
Promethazine	5.540	32484	633.90	30.4	84.15	275240	5.0791 ng/ml
Pseudoephedrine	2.603	139144	1149.70	18.3	1242.99	1336199	5.1715 ng/ml
Quetiapine	5.529	50225	50638.51	57.8	173.41	133822	4.8522 ng/ml
Sertraline	5.779	4419	217.51	87.0	357.76	30014	4.9799 ng/ml
Temazepam	5.813	112110	139.99	26.1	63.03	1041394	4.8154 ng/ml
Tramadol	4.253	125163	401.71	3.3	14.32	1303158	4.7693 ng/ml
Trazodone	5.086	50440	177.34	64.0	6060.26	295024	5.0483 ng/ml
Venlafaxine	5.049	116102	243.67	34.6	121.94	1193442	5.1540 ng/ml
Zolpidem	4.864	125508	280.16	28.2	16575.21	1032298	4.9652 ng/ml

SC

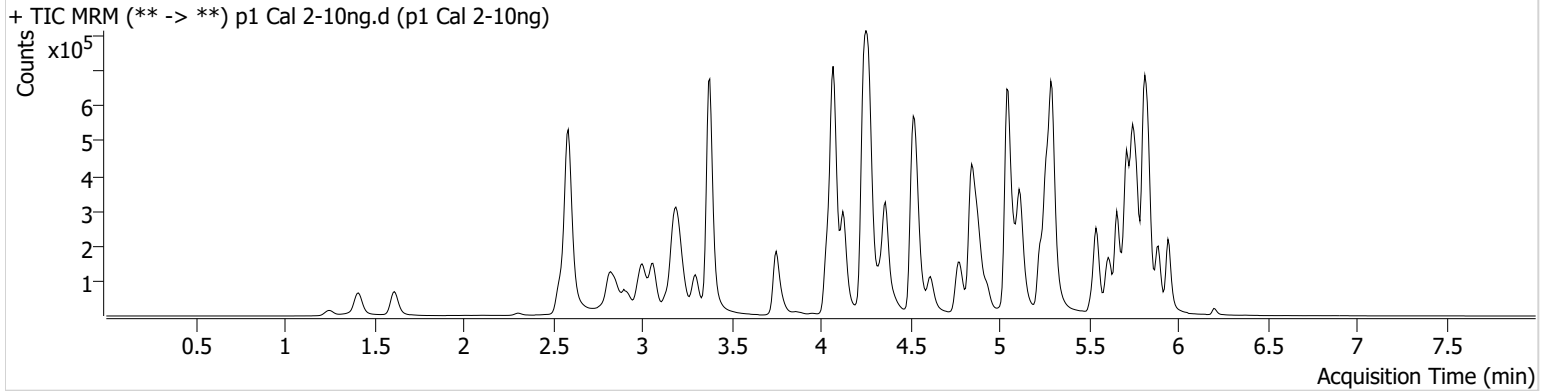


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 Cal 2-10ng.d  
**Type** Cal **Sample** p1 Cal 2-10ng  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-G5 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 12:24:25 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	2792	4148.91	82.9	285.76	72851	0.9230 ng/ml
7-aminoclonazepam	4.265	48523	1203.26	73.0	162.98	205557	10.0337 ng/ml
a-hydroxyalprazolam	5.695	25167	178.12	66.6	355.17	951595	10.2236 ng/ml
alpha-PHP	4.935	35634	270.82	256.0	1005.62	550381	9.6826 ng/ml
alpha-PVP	4.370	144946	335.45	50.0	305.30	550381	9.9215 ng/ml
Alprazolam	5.772	96114	361.75	103.6	222.64	333446	9.9788 ng/ml
Amphetamine	3.064	185430	230.17	51.2	833.79	236474	10.4065 ng/ml
Benzoylecgonine	3.884	3139	127.64	7.2	46.45	10970	9.5604 ng/ml
Buprenorphine	5.713	1583	42.73	18.8	∞	63460	0.8896 ng/ml
Bupropion	4.785	97802	284.04	67.9	229.37	308204	10.1381 ng/ml
Carisoprodol	5.720	111941	111474.35	64.5	72.79	476087	9.7945 ng/ml
Chlordiazepoxide	5.841	58412	3267.41	68.0	457.82	600566	10.6241 ng/ml
Chlorpheniramine	5.117	147487	587.64	0.3	11.84	649776	10.1130 ng/ml
Citalopram	5.231	79646	936.05	34.9	343.83	336575	9.5871 ng/ml
Clonazepam	5.607	100019	1905.74	35.9	4314.65	132147	10.2934 ng/ml
Clonazolam	5.551	69422	112396.88	37.2	43126.47	132147	10.2636 ng/ml
Cocaine	4.271	106209	1367.26	58.8	13987.70	937745	9.7508 ng/ml
Codeine	2.593	15282	400.53	103.0	368.85	69663	10.5067 ng/ml
Cyclobenzaprine	5.624	27400	38862.23	7.9	43.96	104110	10.1252 ng/ml
Dextromethorphan	5.275	36884	177.02	87.6	1236.60	168848	9.7899 ng/ml
Dextrorphan	4.131	45458	403.79	200.0	3313.21	469758	9.8980 ng/ml
Diazepam	5.951	68400	2082.57	90.8	945.33	299056	9.9125 ng/ml
Dihydrocodeine	2.572	35794	202337.96	69.1	337.96	210757	10.2050 ng/ml
Diphenhydramine	5.296	207343	798.16	31.7	1260.11	1094098	9.8303 ng/ml
Doxylamine	4.538	291865	1971.90	98.7	10199.75	1330606	9.8412 ng/ml
Duloxetine	5.650	2139	38.44	14.5	320.83	9760	10.5865 ng/ml
EDDP	5.261	123730	656.18	41.7	782.43	604839	9.7964 ng/ml
Etizolam	5.810	46615	37444.81	25.1	796.03	132147	9.9206 ng/ml
Fentanyl	5.094	3330	66.79	79.4	3231.80	183267	0.9227 ng/ml
Flualprazolam	5.701	40718	947.99	100.7	19396.59	333446	10.3866 ng/ml
Fluoxetine	5.717	24273	1143.14	7.8	127.90	78105	9.9586 ng/ml
Hydrocodone	3.033	55620	87.78	37.3	49.73	287441	10.2457 ng/ml
Hydromorphone	1.622	49899	247142.01	78.4	94322.99	148778	10.0962 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	46333	635.18	71.7	1797.42	168848	9.5357 ng/ml
Ketamine	4.050	109383	10720.49	34.5	229.67	434071	10.2226 ng/ml
Lamotrigine	4.287	10513	673.53	87.5	1257.30	1291898	9.6089 ng/ml
Lorazepam	5.743	87038	2064.21	50.4	95.96	570311	10.6709 ng/ml
MDA	3.211	189765	686.09	29.9	99.60	490925	10.0798 ng/ml
MDMA	3.305	105105	785.48	92.8	449.19	106429	9.9685 ng/ml
Meprobamate	4.908	75229	254.88	28.5	84.03	360239	9.8658 ng/ml
Methadone	5.662	104699	196.39	56.7	659.52	417901	9.9016 ng/ml
Methamphetamine	3.232	91094	548.08	38.0	135.42	428977	10.1184 ng/ml
Metoprolol	4.334	28944	783.95	103.5	839.53	1261774	10.1490 ng/ml
Mirtazapine	4.613	150104	1617.50	55.4	1039.32	550381	9.3758 ng/ml
Mitragynine	5.222	21640	881.07	35.1	12185.21	417901	10.2577 ng/ml
Morphine	1.261	8220	1345.74	26.8	6672.19	11146	10.3879 ng/ml
Norbuprenorphine	4.997	375	67.95	84.9	258.76	10911	1.3921 ng/ml
Nordiazepam	5.890	78267	889.60	55.3	1084.14	235203	10.0573 ng/ml
Norfentanyl	4.091	26093	234.95	38.9	112.66	1027293	0.9506 ng/ml
Norhydrocodone	3.081	9162	82.01	41.6	30.99	79465	9.0699 ng/ml
Noroxycodone	2.924	52889	637.34	47.3	12.85	158133	10.0229 ng/ml
O-desmethyl-tramadol	3.379	284374	580.04	5.8	876.54	1507647	9.8368 ng/ml
o-desmethylvenlafaxine	4.076	407535	15182.00	15.7	505.48	291754	9.7756 ng/ml
Olanzapine	4.407	23845	651.60	60.1	1654.79	57161	9.6776 ng/ml
Oxazepam	5.753	118422	∞	71.9	112.99	570311	9.9867 ng/ml
Oxycodone	2.849	101595	886.23	28.8	326.26	383929	10.4203 ng/ml
Oxymorphone	1.411	54657	119.70	45.3	∞	162848	10.2826 ng/ml
Phentermine	3.787	45339	98.06	5.4	34.04	504804	10.2726 ng/ml
Promethazine	5.540	57553	245.00	29.9	94.35	249799	9.8240 ng/ml
Pseudoephedrine	2.596	267292	5262.03	18.0	6191.01	1291898	9.7123 ng/ml
Quetiapine	5.529	88977	162956.45	59.3	67884.93	121177	10.1420 ng/ml
Sertraline	5.786	8072	66.75	82.8	9442.38	28447	10.3816 ng/ml
Temazepam	5.813	208633	331.83	27.9	1122.41	951595	10.3176 ng/ml
Tramadol	4.253	270973	1632.94	3.2	38.32	1261774	10.7148 ng/ml
Trazodone	5.086	93089	119.91	62.4	52135.21	268828	10.0642 ng/ml
Venlafaxine	5.049	220537	559.89	35.1	972.29	1146496	9.6707 ng/ml
Zolpidem	4.864	235736	2907.86	29.2	126.89	977866	10.0234 ng/ml



SC

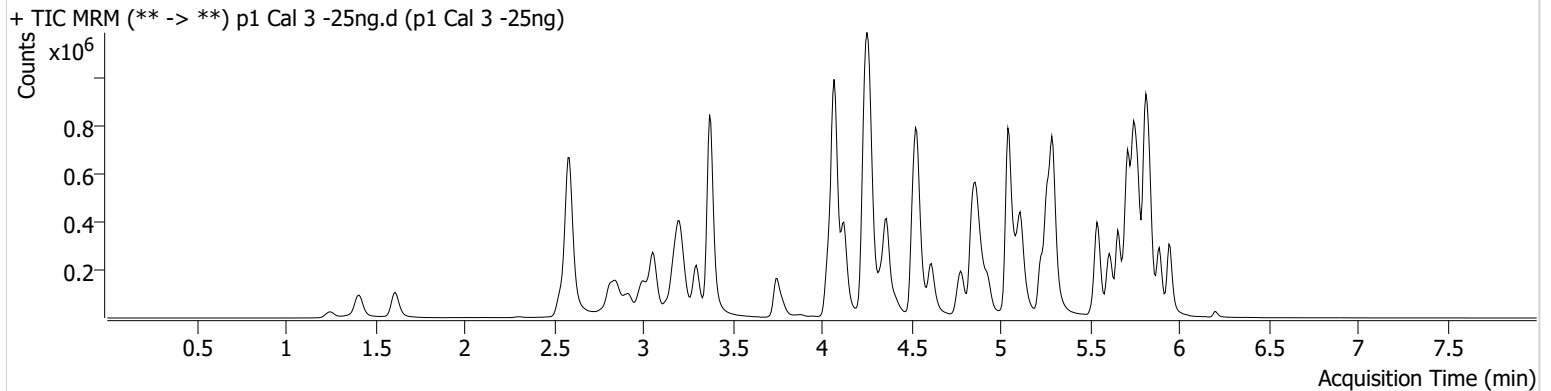


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 Cal 3 -25ng.d  
**Type** Cal **Sample** p1 Cal 3 -25ng  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-F5 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 12:35:02 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	7064	20292.29	74.9	3460.98	71755	2.4351 ng/ml
7-aminoclonazepam	4.258	124538	123.00	71.2	98.97	201293	27.4137 ng/ml
a-hydroxyalprazolam	5.695	62733	204.14	65.9	340.57	942964	26.0914 ng/ml
alpha-PHP	4.935	78585	715.36	262.5	18004.76	502783	23.4784 ng/ml
alpha-PVP	4.370	324835	9370.19	50.7	3477.99	502783	24.2308 ng/ml
Alprazolam	5.772	237291	665.30	104.2	913.11	324359	24.7358 ng/ml
Amphetamine	3.057	396031	3911.00	51.4	3008.12	207996	26.2320 ng/ml
Benzoylcegonine	3.884	8001	17045.84	8.3	94.14	10164	26.0949 ng/ml
Buprenorphine	5.713	3151	77.75	16.8	284.65	48537	2.3793 ng/ml
Bupropion	4.785	198618	5288.54	68.1	1844.61	258638	24.6724 ng/ml
Carisoprodol	5.720	277134	1376044.77	64.2	2010.91	468055	23.8588 ng/ml
Chlordiazepoxide	5.841	143412	2984.15	70.5	1156.41	615650	26.4210 ng/ml
Chlorpheniramine	5.117	311914	1125.50	0.3	15.33	575647	24.0649 ng/ml
Citalopram	5.225	174747	1679.31	33.7	341.92	288189	24.1772 ng/ml
Clonazepam	5.607	248530	400.82	36.2	3759.97	131373	26.8075 ng/ml
Clonazolam	5.551	171082	180541.10	37.5	87965.79	131373	26.3698 ng/ml
Cocaine	4.264	260956	357.31	57.3	6243.96	925781	24.2068 ng/ml
Codeine	2.593	38353	533.71	97.8	176.75	68823	28.0919 ng/ml
Cyclobenzaprine	5.624	58802	218.74	7.8	204.20	96878	23.1863 ng/ml
Dextromethorphan	5.268	76579	519.99	87.3	12124.98	138379	24.8404 ng/ml
Dextrorphan	4.124	111173	112788.00	199.9	300.04	450533	24.8161 ng/ml
Diazepam	5.951	169899	354.41	89.6	460.28	293943	25.3483 ng/ml
Dihydrocodeine	2.565	89983	236.95	68.3	53.41	214691	26.1067 ng/ml
Diphenhydramine	5.296	435144	368.59	31.5	1221.37	905419	24.6690 ng/ml
Doxylamine	4.531	716667	1413.47	97.1	1719.71	1302450	24.6103 ng/ml
Duloxetine	5.650	4913	287.17	13.6	15.84	9641	25.1425 ng/ml
EDDP	5.261	288367	215.87	41.0	2394.02	554208	24.8525 ng/ml
Etizolam	5.810	113051	2268.16	27.1	31301.92	131373	23.7150 ng/ml
Fentanyl	5.087	7189	306.60	72.4	5991.55	157343	2.2803 ng/ml
Flualprazolam	5.701	97325	5293.42	103.5	183851.93	324359	27.0397 ng/ml
Fluoxetine	5.710	58265	603.56	7.4	11068.02	79314	23.8122 ng/ml
Hydrocodone	3.026	136049	936.78	38.6	151.96	282141	26.4358 ng/ml
Hydromorphone	1.615	124303	2026.96	78.3	397870.92	151434	24.7245 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	101328	1474.35	75.5	1224.42	138379	24.0410 ng/ml
Ketamine	4.050	256120	17364.86	34.5	879.23	416497	25.9433 ng/ml
Lamotrigine	4.281	27941	486.30	85.6	99.13	1240178	27.5681 ng/ml
Lorazepam	5.743	205769	1328.54	52.7	146.18	554335	28.0858 ng/ml
MDA	3.205	449147	185.45	29.0	1234.16	451962	26.9608 ng/ml
MDMA	3.298	248535	58231.84	92.4	3961.63	102332	24.3581 ng/ml
Meprobamate	4.901	190658	32642.20	28.8	499.93	355312	26.1922 ng/ml
Methadone	5.662	218755	374.45	57.4	2006.50	354812	24.1110 ng/ml
Methamphetamine	3.232	188054	838.73	39.8	900.92	371008	25.0656 ng/ml
Metoprolol	4.334	69933	94434.45	104.5	2224.60	1237381	25.8926 ng/ml
Mirtazapine	4.613	333805	892.87	56.0	669.54	502783	22.2032 ng/ml
Mitragynine	5.222	44492	33206.68	35.1	738.41	354812	25.6355 ng/ml
Morphine	1.253	19711	73.58	28.9	174.06	10858	25.5953 ng/ml
Norbuprenorphine	4.997	510	893.18	115.8	∞	8574	2.4556 ng/ml
Nordiazepam	5.890	195380	564.73	55.0	8375.97	231978	25.7541 ng/ml
Norfentanyl	4.085	65699	1538.86	35.0	128.69	982866	2.4116 ng/ml
Norhydrocodone	3.081	22481	106.33	39.8	68.78	73953	22.6483 ng/ml
Noroxycodone	2.924	130584	781.44	47.6	139.76	153313	25.4962 ng/ml
O-desmethyl-tramadol	3.379	699389	44828.35	5.9	15080.57	1484378	24.1078 ng/ml
o-desmethylvenlafaxine	4.076	1012216	45605.55	16.0	1649.52	288310	23.8980 ng/ml
Olanzapine	4.407	56557	59048.64	58.7	737.57	52715	24.2071 ng/ml
Oxazepam	5.753	295079	373.97	72.0	201.35	554335	26.3221 ng/ml
Oxycodone	2.842	248467	362.65	30.1	2394.04	387221	26.3928 ng/ml
Oxymorphone	1.411	135496	495.49	45.4	365.87	167507	24.8633 ng/ml
Phentermine	3.780	97168	1595.74	5.0	65.37	444825	25.9959 ng/ml
Promethazine	5.540	127446	11694.34	31.0	180.09	219109	24.6552 ng/ml
Pseudoephedrine	2.596	640665	5754.46	17.8	6125.19	1240178	23.3966 ng/ml
Quetiapine	5.529	216215	10105.00	56.8	5412.36	114784	27.0804 ng/ml
Sertraline	5.779	19396	∞	88.5	∞	31423	23.5766 ng/ml
Temazepam	5.813	516324	678.46	26.9	270.28	942964	26.5054 ng/ml
Tramadol	4.246	648566	286.62	3.2	77.07	1237381	26.2106 ng/ml
Trazodone	5.086	212030	3831.77	64.4	463.39	255760	23.8761 ng/ml
Venlafaxine	5.042	532381	466.51	32.7	546.88	1085862	23.8245 ng/ml
Zolpidem	4.864	600433	3982.10	28.5	34890.47	994327	25.3805 ng/ml

SC

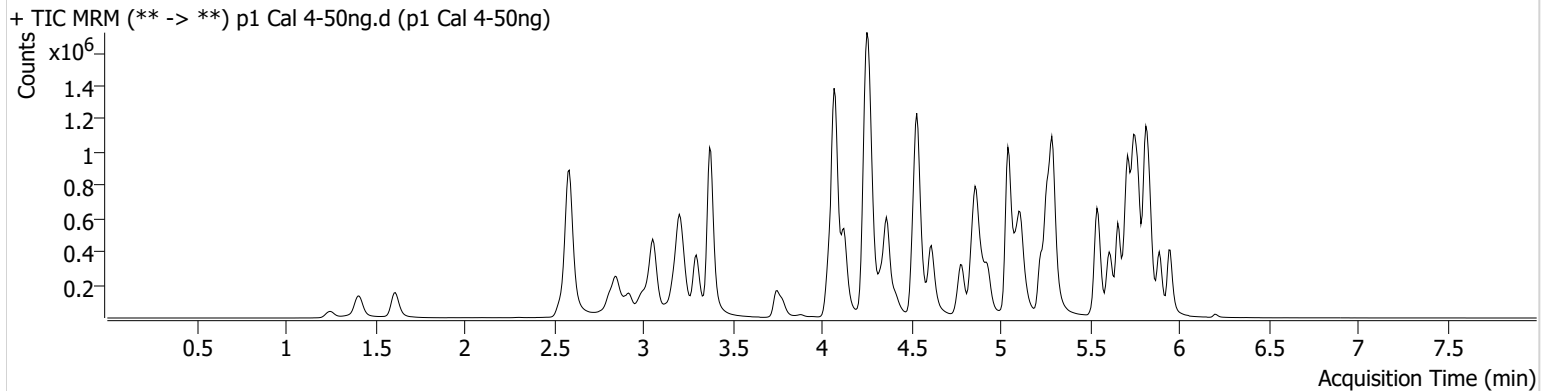


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 Cal 4-50ng.d  
**Type** Cal **Sample** p1 Cal 4-50ng  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-E5 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 12:45:38 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	13404	2138.00	68.0	440.81	68282	4.8965 ng/ml
7-aminoclonazepam	4.258	221296	3176.10	72.9	2561.36	185291	53.5600 ng/ml
a-hydroxyalprazolam	5.688	105009	358.54	67.9	1164.66	819696	50.4705 ng/ml
alpha-PHP	4.928	158911	608.99	261.8	3150.61	492781	48.5181 ng/ml
alpha-PVP	4.370	636629	500.59	50.3	1870.20	492781	48.3776 ng/ml
Alprazolam	5.772	427709	2011.11	107.2	2290.15	299754	47.8800 ng/ml
Amphetamine	3.057	792783	705.37	49.7	203.11	205381	53.8734 ng/ml
Benzoylecgonine	3.884	14180	217.32	8.3	149.59	9886	47.4539 ng/ml
Buprenorphine	5.713	7319	902.29	17.1	856.48	54366	4.9773 ng/ml
Bupropion	4.785	411530	458.98	67.9	382.42	268344	49.3684 ng/ml
Carisoprodol	5.720	478794	76933.87	63.8	1429.07	409317	46.6171 ng/ml
Chlordiazepoxide	5.841	253009	9146.60	70.7	2011.02	548335	53.0204 ng/ml
Chlorpheniramine	5.117	645406	3827.09	0.3	38.93	602000	47.5606 ng/ml
Citalopram	5.225	362349	303.92	34.4	2816.59	290305	49.5037 ng/ml
Clonazepam	5.607	440118	1953.64	35.1	1898.01	118159	53.4793 ng/ml
Clonazolam	5.551	306173	207594.37	37.8	77758.38	118159	53.0903 ng/ml
Cocaine	4.264	494261	780.25	55.7	45892.93	861467	49.2296 ng/ml
Codeine	2.593	67074	169.60	101.0	306.37	64148	53.5069 ng/ml
Cyclobenzaprine	5.624	129281	150240.60	7.3	118.90	100718	48.8930 ng/ml
Dextromethorphan	5.268	166810	5049.67	88.1	264.05	151140	49.5658 ng/ml
Dextrorphan	4.124	208932	445104.73	200.2	515.24	427942	48.8319 ng/ml
Diazepam	5.951	303067	845.53	91.5	160279.13	269285	49.5417 ng/ml
Dihydrocodeine	2.565	162651	3869.58	70.1	655.20	198253	51.7040 ng/ml
Diphenhydramine	5.296	892218	2197.12	32.0	280.26	957159	47.6874 ng/ml
Doxylamine	4.531	1382663	8855.55	97.9	3698.67	1258965	49.0699 ng/ml
Duloxetine	5.650	9633	239.05	14.3	19.95	9776	48.9963 ng/ml
EDDP	5.261	584804	408.64	40.0	269.50	571760	48.8127 ng/ml
Etizolam	5.810	199706	1322.12	27.3	80522.11	118159	46.2521 ng/ml
Fentanyl	5.087	17444	232.24	71.3	257.11	174461	4.9593 ng/ml
Flualprazolam	5.701	169149	19586.73	104.9	4545.66	299754	51.7690 ng/ml
Fluoxetine	5.710	105384	7057.10	7.7	7484.82	72238	47.4841 ng/ml
Hydrocodone	3.026	244089	775.51	40.1	427.00	266173	50.8205 ng/ml
Hydromorphone	1.615	225004	2443.18	78.8	693.47	139375	48.6366 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	213480	1994.77	75.2	4272.67	151140	45.5912 ng/ml
Ketamine	4.050	472427	997.46	34.2	1349.84	388553	51.9718 ng/ml
Lamotrigine	4.281	47772	1686.59	90.3	453.58	1173330	50.2596 ng/ml
Lorazepam	5.743	338555	4974.53	52.5	189.27	472711	55.5719 ng/ml
MDA	3.205	842578	500.46	29.1	1680.23	434858	53.1993 ng/ml
MDMA	3.298	478944	249.87	93.3	324.00	95993	49.9258 ng/ml
Meprobamate	4.901	328545	277.31	28.6	157.80	313025	51.7449 ng/ml
Methadone	5.655	471203	1933.88	57.3	1809.29	380219	48.2883 ng/ml
Methamphetamine	3.226	344699	2941.47	38.3	244.89	337314	51.2032 ng/ml
Metoprolol	4.334	133912	6767.91	101.9	2156.88	1164555	53.3091 ng/ml
Mirtazapine	4.613	678284	1991.92	54.7	748.88	492781	45.5676 ng/ml
Mitragynine	5.222	96814	2818.16	34.7	656.13	380219	52.6315 ng/ml
Morphine	1.253	36134	385.12	29.2	576.85	10120	50.3584 ng/ml
Norbuprenorphine	4.997	1241	1636.68	96.0	430.62	10000	5.1858 ng/ml
Nordiazepam	5.890	342834	8749.65	55.2	4650.38	207610	50.6826 ng/ml
Norfentanyl	4.085	121188	5365.07	35.7	905.66	921715	4.6902 ng/ml
Norhydrocodone	3.074	41143	450.35	39.3	67.57	64063	46.9884 ng/ml
Noroxycodone	2.924	236425	677.92	47.4	1345.29	143582	49.2727 ng/ml
O-desmethyl-tramadol	3.379	1278615	81957.28	5.9	371.23	1372659	47.3580 ng/ml
o-desmethylvenlafaxine	4.076	1856876	107543.19	15.7	1140.53	265882	47.0986 ng/ml
Olanzapine	4.414	118749	507.78	58.1	1232.60	55584	47.7720 ng/ml
Oxazepam	5.753	507893	447.14	71.5	9323.20	472711	53.5982 ng/ml
Oxycodone	2.842	460132	3193.35	30.4	2098.12	357904	53.6724 ng/ml
Oxymorphone	1.411	241062	∞	46.9	∞	153738	48.2504 ng/ml
Phentermine	3.780	190800	339.80	5.2	148.34	435478	52.8513 ng/ml
Promethazine	5.540	272977	282.25	30.7	513.21	240389	48.0429 ng/ml
Pseudoephedrine	2.589	1226337	17239.51	17.9	16780.57	1173330	46.7530 ng/ml
Quetiapine	5.529	409452	28880.91	58.3	897791.56	113230	52.6106 ng/ml
Sertraline	5.779	35318	102.45	96.3	112.36	28328	48.4842 ng/ml
Temazepam	5.813	894161	550.07	26.3	300.15	819696	53.2932 ng/ml
Tramadol	4.253	1170366	∞	3.2	228.78	1164555	50.2937 ng/ml
Trazodone	5.086	414532	14322.96	63.6	29302.58	242974	48.9698 ng/ml
Venlafaxine	5.042	1036392	1351.50	33.7	860.95	1047091	47.5543 ng/ml
Zolpidem	4.864	1099902	6170.40	28.2	2699.09	919328	50.4642 ng/ml

SC

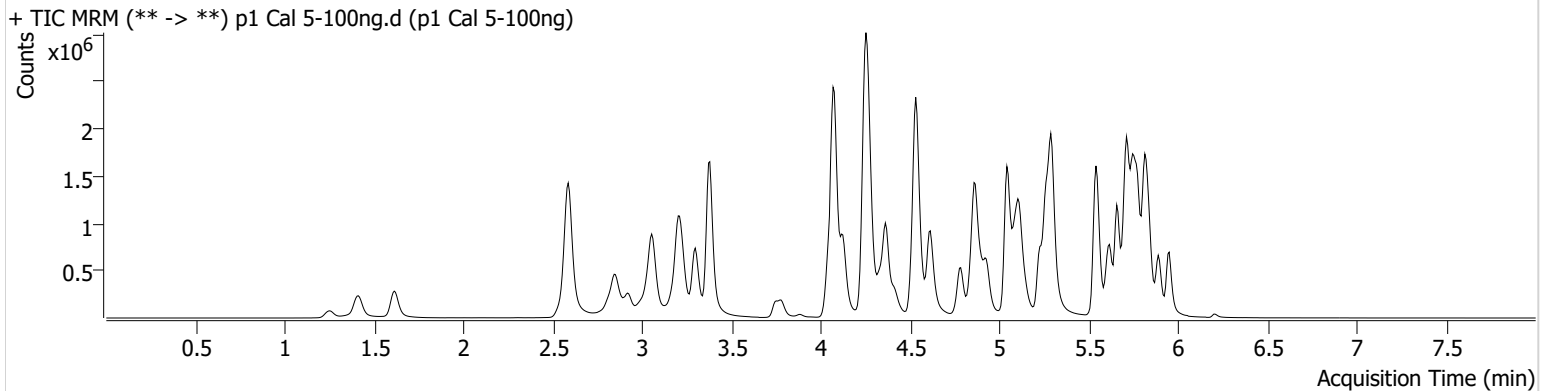


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 Cal 5-100ng.d  
**Type** Cal **Sample** p1 Cal 5-100ng  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-D5 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 12:56:15 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	28644	87085.47	71.5	2480.62	71526	10.0321 ng/ml
7-aminoclonazepam	4.258	438035	5664.71	70.8	1869.77	190922	103.5239 ng/ml
a-hydroxyalprazolam	5.688	184552	1379.01	68.1	∞	742926	98.0989 ng/ml
alpha-PHP	4.928	311337	3193.13	260.4	20310.06	475262	98.6358 ng/ml
alpha-PVP	4.370	1247272	25990.91	51.3	1488.04	475262	98.1970 ng/ml
Alprazolam	5.772	852613	1185.48	107.0	2175.79	283027	100.6604 ng/ml
Amphetamine	3.057	1567383	215.94	49.6	163.39	206204	106.7400 ng/ml
Benzoylcegonine	3.884	32034	1878.59	8.0	15.83	10546	100.3725 ng/ml
Buprenorphine	5.720	16824	1925.46	16.0	2396.15	61792	10.1075 ng/ml
Bupropion	4.785	748382	20271.40	69.0	588.71	244170	98.7637 ng/ml
Carisoprodol	5.720	868910	1257270.45	63.9	3862.83	347827	98.9534 ng/ml
Chlordiazepoxide	5.841	464989	24066.76	75.7	2618.42	517022	104.0079 ng/ml
Chlorpheniramine	5.117	1570084	1490.52	0.3	125.18	703050	99.0113 ng/ml
Citalopram	5.225	811844	4374.94	34.4	291.53	319779	100.4331 ng/ml
Clonazepam	5.607	819093	456.43	36.6	441.74	116392	101.6802 ng/ml
Clonazolam	5.551	590410	13463.02	37.6	295285.98	116392	104.5317 ng/ml
Cocaine	4.264	1011632	1452.61	58.0	98741.15	878340	98.7845 ng/ml
Codeine	2.586	136476	3932.00	101.8	2183.03	65524	107.4869 ng/ml
Cyclobenzaprine	5.624	498139	13706.35	7.9	856.09	189678	99.9027 ng/ml
Dextromethorphan	5.268	420223	360.94	86.4	245496.43	189495	99.6173 ng/ml
Dextrorphan	4.124	419732	1690078.75	201.0	51155.87	419983	99.6733 ng/ml
Diazepam	5.951	619175	1921.31	89.1	5767.37	268449	101.7353 ng/ml
Dihydrocodeine	2.565	348768	440.63	70.1	856.34	208909	105.8629 ng/ml
Diphenhydramine	5.296	2076759	562.65	32.0	719.54	1095103	96.8414 ng/ml
Doxylamine	4.531	2954712	1946.37	95.1	167.25	1289728	102.3046 ng/ml
Duloxetine	5.650	52204	1774.24	13.6	8376.54	25708	101.4048 ng/ml
EDDP	5.261	1166544	682.88	40.8	12960.99	566173	98.2878 ng/ml
Etizolam	5.810	406052	10911.58	27.8	58955.72	116392	95.1100 ng/ml
Fentanyl	5.087	55624	2097.32	66.8	1704.19	273363	10.0650 ng/ml
Flualprazolam	5.701	330742	13786.76	107.4	9132.96	283027	108.3237 ng/ml
Fluoxetine	5.717	544207	23120.40	7.8	36002.70	181543	97.7828 ng/ml
Hydrocodone	3.026	516929	∞	39.0	145.18	277093	104.0119 ng/ml
Hydromorphone	1.615	485015	1705789.66	78.4	2159405.12	144856	100.8847 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	623326	6442.02	77.6	7963.83	189495	105.0556 ng/ml
Ketamine	4.050	972243	41170.26	34.0	1172.06	402374	103.9660 ng/ml
Lamotrigine	4.281	101693	5746.61	90.0	77804.16	1163028	108.5610 ng/ml
Lorazepam	5.743	538051	2664.53	52.1	377.28	409654	103.1534 ng/ml
MDA	3.205	1585173	192.12	29.5	539.81	422958	103.5242 ng/ml
MDMA	3.298	983636	226.62	93.1	5958.44	99139	99.1754 ng/ml
Meprobamate	4.901	632896	863.38	28.7	213.19	306435	102.3421 ng/ml
Methadone	5.655	1187777	939.11	56.2	653.07	462547	99.8691 ng/ml
Methamphetamine	3.226	748883	800.13	38.5	263.79	364552	103.5961 ng/ml
Metoprolol	4.334	265921	12171.06	102.1	4289.88	1210451	102.3988 ng/ml
Mirtazapine	4.613	1477159	560.78	54.3	3301.11	475262	102.3500 ng/ml
Mitragynine	5.222	242480	186624.56	34.0	74808.50	462547	108.9509 ng/ml
Morphine	1.253	78008	445.34	28.5	175.96	10695	102.8837 ng/ml
Norbuprenorphine	4.997	2689	2739.92	101.1	927.62	11356	9.9475 ng/ml
Nordiazepam	5.890	670726	76648.28	55.5	5310.13	199302	103.4921 ng/ml
Norfentanyl	4.085	242108	185.54	37.7	2879.81	888490	9.6611 ng/ml
Norhydrocodone	3.074	80880	182.08	39.9	164.36	60662	96.7173 ng/ml
Noroxycodone	2.924	466139	684.10	47.7	4100.97	138330	100.8163 ng/ml
O-desmethyl-tramadol	3.379	2811682	64732.86	5.9	6575.10	1434199	99.3297 ng/ml
o-desmethylvenlafaxine	4.076	3957716	90455.55	15.8	3107.61	277170	95.8331 ng/ml
Olanzapine	4.414	326870	347.17	57.9	1836.11	76247	95.4247 ng/ml
Oxazepam	5.753	868635	3686.41	71.4	4242.04	409654	106.2261 ng/ml
Oxycodone	2.842	975562	5898.53	30.1	11656.01	378067	108.5211 ng/ml
Oxymorphone	1.411	511159	∞	46.8	422.06	160857	97.8435 ng/ml
Phentermine	3.780	383551	1006.83	5.1	194.22	442576	105.2298 ng/ml
Promethazine	5.540	1062720	2785.30	30.7	2172.63	453500	99.0401 ng/ml
Pseudoephedrine	2.589	2512736	157.93	17.8	1739.71	1163028	96.0358 ng/ml
Quetiapine	5.529	902968	7292.30	59.4	6252.71	129721	101.9007 ng/ml
Sertraline	5.786	220642	202.30	92.7	22540.36	87850	98.5312 ng/ml
Temazepam	5.813	1603977	658.18	27.1	697.38	742926	105.9604 ng/ml
Tramadol	4.246	2407591	∞	3.4	315.42	1210451	99.5779 ng/ml
Trazodone	5.086	1008137	4584.40	65.9	74426.60	303013	95.3480 ng/ml
Venlafaxine	5.042	2123367	49147.59	32.7	281.36	1034279	98.0647 ng/ml
Zolpidem	4.864	2398822	6176.51	27.8	75998.83	986925	102.7084 ng/ml

SC

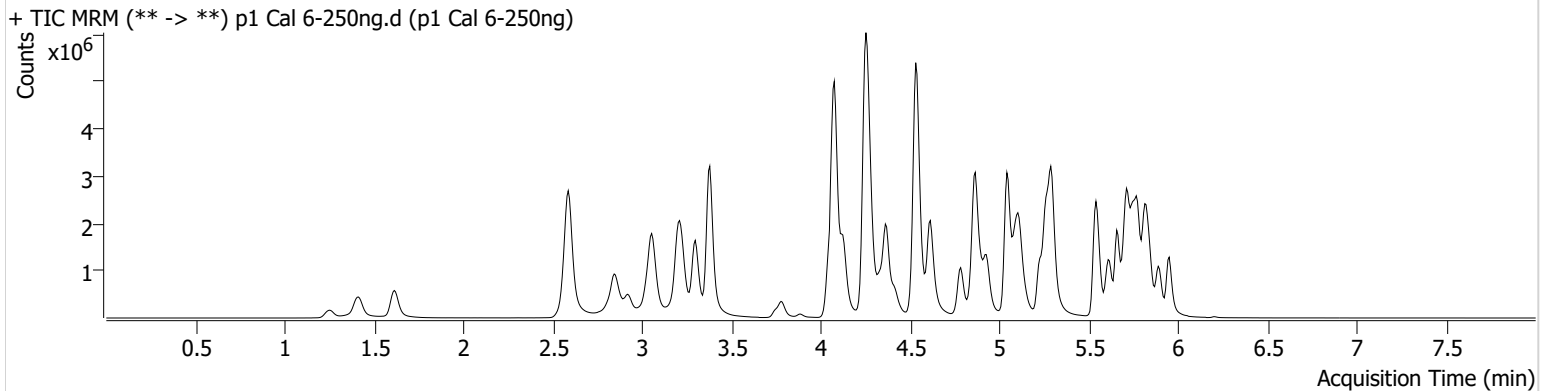


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 Cal 6-250ng.d  
**Type** Cal **Sample** p1 Cal 6-250ng  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-C5 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 1:06:52 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	70817	8556.31	71.1	1026.43	70150	25.3520 ng/ml
7-aminoclonazepam	4.258	871101	5264.33	70.4	3630.49	162039	243.4949 ng/ml
a-hydroxyalprazolam	5.688	320139	840.10	66.5	1032.69	511282	247.6429 ng/ml
alpha-PHP	4.928	705678	2032.45	260.2	67200.17	434997	244.3705 ng/ml
alpha-PVP	4.370	2826565	805.81	51.6	58059.77	434997	243.0219 ng/ml
Alprazolam	5.772	1846734	23173.60	102.3	1505.73	240752	255.7180 ng/ml
Amphetamine	3.057	3303074	819.17	49.8	193.85	194390	239.4468 ng/ml
Benzoylecgonine	3.884	79308	712.10	8.0	2162.62	10327	253.5744 ng/ml
Buprenorphine	5.720	26248	444.42	14.7	4704.10	37918	25.7602 ng/ml
Bupropion	4.785	1577904	26572.29	68.4	12340.81	206830	245.9733 ng/ml
Carisoprodol	5.720	1642874	∞	65.6	7636.34	266209	243.6747 ng/ml
Chlordiazepoxide	5.841	860331	4331.67	81.0	7849.48	421288	237.0560 ng/ml
Chlorpheniramine	5.111	3146558	33767.78	0.3	129.39	561639	248.3019 ng/ml
Citalopram	5.225	1571346	957.29	34.0	627.39	252626	245.7031 ng/ml
Clonazepam	5.607	1645391	8912.77	35.9	782770.24	94292	253.1942 ng/ml
Clonazolam	5.551	1171574	1276217.74	38.5	437574.54	94292	256.9528 ng/ml
Cocaine	4.271	2225325	483.38	57.8	621.12	756762	252.1473 ng/ml
Codeine	2.586	273775	3289.60	102.0	1959.36	58308	243.4499 ng/ml
Cyclobenzaprine	5.624	578132	119795.44	8.0	618.96	88615	247.9914 ng/ml
Dextromethorphan	5.268	702550	643.15	83.3	249.22	124524	253.4794 ng/ml
Dextrorphan	4.124	963801	1266.54	200.5	1453.38	387435	247.6924 ng/ml
Diazepam	5.951	1339909	10668.22	90.2	524.96	234092	252.7581 ng/ml
Dihydrocodeine	2.565	789808	9824.75	69.8	567.18	202184	248.5491 ng/ml
Diphenhydramine	5.296	4078993	56870.01	31.2	480.61	834731	249.2698 ng/ml
Doxylamine	4.531	7374338	89581.96	96.4	5726.42	1261391	260.9876 ng/ml
Duloxetine	5.650	42441	615.90	13.1	257.48	8690	244.4614 ng/ml
EDDP	5.261	2759550	245870.21	41.0	17821.15	528535	249.0001 ng/ml
Etizolam	5.810	851510	6434.16	27.3	269946.33	94292	245.6610 ng/ml
Fentanyl	5.087	76956	3402.34	62.9	122394.31	146132	26.0071 ng/ml
Flualprazolam	5.701	671605	624.65	108.6	833053.09	240752	260.0313 ng/ml
Fluoxetine	5.717	392363	12297.56	7.7	25807.87	50963	251.4498 ng/ml
Hydrocodone	3.026	1168387	∞	40.2	∞	262397	249.0998 ng/ml
Hydromorphone	1.615	1113640	5320293.98	77.4	2873.51	133931	250.5515 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	885177	6300.78	80.5	1539.28	124524	226.0493 ng/ml
Ketamine	4.050	2179381	68841.58	33.6	2193.87	372403	252.7911 ng/ml
Lamotrigine	4.287	212239	869.10	90.0	26006.06	1000774	264.0827 ng/ml
Lorazepam	5.743	759722	19789.77	52.8	621.93	264323	227.5026 ng/ml
MDA	3.205	3316342	10795.34	28.7	720.35	366929	250.5949 ng/ml
MDMA	3.298	2297154	3102.89	93.2	786.05	91315	251.2881 ng/ml
Meprobamate	4.901	1220328	1012.78	28.4	4583.87	248094	244.4775 ng/ml
Methadone	5.655	2132457	55577.16	55.9	1457.48	332595	249.0916 ng/ml
Methamphetamine	3.226	1644308	12563.99	38.4	281.20	326405	255.0046 ng/ml
Metoprolol	4.334	598442	118531.04	101.6	42430.57	1075283	260.3413 ng/ml
Mirtazapine	4.613	3316542	68766.01	53.9	44514.78	434997	250.4401 ng/ml
Mitragynine	5.215	402016	392.79	34.6	554.78	332595	251.9413 ng/ml
Morphine	1.253	183409	2227.76	27.8	410.67	10388	249.0744 ng/ml
Norbuprenorphine	4.997	4648	7524.01	102.0	1431.11	7882	24.8621 ng/ml
Nordiazepam	5.890	1336772	105638.43	54.4	595.31	162609	253.0871 ng/ml
Norfentanyl	4.091	537233	841.88	36.5	647.51	742333	25.5671 ng/ml
Norhydrocodone	3.074	178306	598.22	40.6	∞	48456	265.5738 ng/ml
Noroxycodone	2.924	958169	4244.81	47.9	3739.66	116037	247.0177 ng/ml
O-desmethyl-tramadol	3.379	6797295	137521.86	5.8	857.53	1339902	256.5390 ng/ml
o-desmethylvenlafaxine	4.076	9283415	172195.89	15.4	9273.96	247110	251.4105 ng/ml
Olanzapine	4.414	641053	932.76	58.5	3249.32	56649	251.1787 ng/ml
Oxazepam	5.746	1310461	∞	71.9	∞	264323	248.9877 ng/ml
Oxycodone	2.842	2189854	5071.77	30.1	791.96	364139	253.9661 ng/ml
Oxymorphone	1.411	1132631	∞	46.9	∞	138540	251.8164 ng/ml
Phentermine	3.780	851966	310.42	5.0	418.66	407951	254.5765 ng/ml
Promethazine	5.540	1194554	939.34	30.5	674.74	205371	245.6885 ng/ml
Pseudoephedrine	2.589	5756025	153.01	17.5	2565.36	1000774	254.7124 ng/ml
Quetiapine	5.529	2012956	1060.72	60.0	93274.71	114408	258.6068 ng/ml
Sertraline	5.779	146139	523.76	92.0	25451.08	23193	248.4715 ng/ml
Temazepam	5.813	2718048	4116.05	26.7	273.42	511282	261.6280 ng/ml
Tramadol	4.246	5638759	∞	3.5	206.33	1075283	262.6030 ng/ml
Trazodone	5.086	2006657	44893.61	69.4	33452.00	231732	247.9140 ng/ml
Venlafaxine	5.042	5165629	151592.56	31.8	15768.54	973457	252.6294 ng/ml
Zolpidem	4.864	5875892	2003.85	27.2	11748.96	958143	259.4171 ng/ml



# AM #28 Multi-Drug Quant. Results

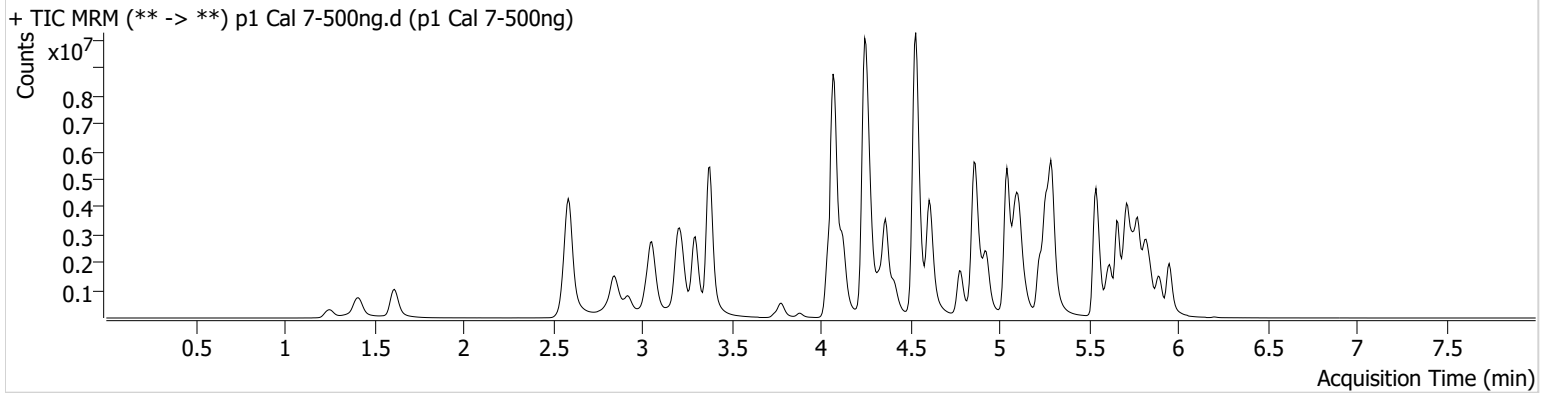
SC



**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

**Instrument** Falco (069901) **Data File** p1 Cal 7-500ng.d  
**Type** Cal **Sample** p1 Cal 7-500ng  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-B5 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/6/2022 1:17:29 PM  
**Sample Info.**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	145950	3724.35	70.1	4843.30	71807	51.0847 ng/ml
7-aminoclonazepam	4.258	1259841	8618.80	68.0	186.50	134825	423.7488 ng/ml
a-hydroxyalprazolam	5.688	407537	1534.99	65.2	779.28	339444	475.0649 ng/ml
alpha-PHP	4.928	1317295	1495.50	263.7	63234.59	391370	507.0969 ng/ml
alpha-PVP	4.363	5431300	1341.79	51.1	1267.47	391370	518.9405 ng/ml
Alprazolam	5.772	3024798	1096.94	104.1	778.93	198775	506.9166 ng/ml
Amphetamine	3.057	5128467	57939.04	49.3	4919.45	170990	423.1661 ng/ml
Benzoylecgonine	3.884	175127	5094.67	8.3	19378.89	11381	507.9639 ng/ml
Buprenorphine	5.720	44427	28373.75	15.0	10228.02	32817	50.4164 ng/ml
Bupropion	4.785	2613983	77115.51	68.6	32613.82	167385	503.6109 ng/ml
Carisoprodol	5.727	2336520	3492023.03	65.6	7274.68	174984	526.6131 ng/ml
Chlordiazepoxide	5.841	1205932	5672.38	88.2	1946.00	318432	440.2114 ng/ml
Chlorpheniramine	5.111	6536395	11040.49	0.3	545.95	558692	518.4630 ng/ml
Citalopram	5.225	2971764	1157.92	33.8	779.17	230665	508.6513 ng/ml
Clonazepam	5.607	2432557	74836.85	36.1	976.58	75010	471.1611 ng/ml
Clonazolam	5.551	1717839	42419.90	38.6	932893.87	75010	474.1355 ng/ml
Cocaine	4.264	4051428	629.94	57.3	43213.73	685812	506.5102 ng/ml
Codeine	2.586	461835	13613.86	98.8	147.43	50761	472.5929 ng/ml
Cyclobenzaprine	5.624	1287932	2241.21	7.8	405.76	94291	519.0690 ng/ml
Dextromethorphan	5.268	1239533	20888.91	84.0	3017.59	112396	495.5071 ng/ml
Dextrorphan	4.124	1781460	84940.22	202.6	1007.06	353040	502.1495 ng/ml
Diazepam	5.951	2277732	10522.56	90.4	29921.95	203407	494.6725 ng/ml
Dihydrocodeine	2.558	1433940	58065.05	71.6	12608.08	209395	436.1884 ng/ml
Diphenhydramine	5.296	7917995	2569.71	31.2	33471.93	776684	519.8528 ng/ml
Doxylamine	4.531	14830435	173548.74	95.9	1283.27	1223121	541.2366 ng/ml
Duloxetine	5.650	100842	1634.42	13.2	198.23	10144	497.9694 ng/ml
EDDP	5.261	5472326	2048.84	40.2	∞	509091	512.5945 ng/ml
Etizolam	5.810	1460438	15613.98	27.1	11528.84	75010	529.2502 ng/ml
Fentanyl	5.087	159364	324.20	66.8	7827.08	150674	52.2068 ng/ml
Flualprazolam	5.701	993686	6507.08	112.6	3861.60	198775	466.8058 ng/ml
Fluoxetine	5.717	825139	47781.64	7.6	108100.83	51551	522.9824 ng/ml
Hydrocodone	3.026	2209936	∞	40.4	1359.78	257386	480.8924 ng/ml
Hydromorphone	1.615	2154669	6099379.90	77.6	5948574.19	129801	500.2034 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	1754811	165038.83	79.7	1479.38	112396	495.4802 ng/ml
Ketamine	4.043	4155471	1609.81	33.7	3950.85	370634	484.9364 ng/ml
Lamotrigine	4.281	342222	4691.93	92.6	1762.34	888665	479.9792 ng/ml
Lorazepam	5.743	819402	14132.95	52.9	25220.41	149216	436.0121 ng/ml
MDA	3.205	5500349	645.04	28.1	1452.62	323819	471.5448 ng/ml
MDMA	3.298	4335353	98693.55	94.0	40760.04	85736	505.0040 ng/ml
Meprobamate	4.901	1921441	509.86	28.2	4518.93	198561	481.4828 ng/ml
Methadone	5.662	4351997	76823.93	55.1	23302.71	331670	509.5903 ng/ml
Methamphetamine	3.226	2730295	1874.69	38.2	52471.16	276246	500.9388 ng/ml
Metoprolol	4.327	1081868	1578.90	102.3	5387.09	1043302	485.5976 ng/ml
Mirtazapine	4.607	7026051	18936.71	52.8	1633.24	391370	589.1098 ng/ml
Mitragynine	5.215	777408	719.24	34.9	10723.18	331670	489.0818 ng/ml
Morphine	1.253	356484	1986.10	27.6	∞	10383	484.3763 ng/ml
Norbuprenorphine	4.997	9938	1582.05	87.3	192.17	7993	52.4872 ng/ml
Nordiazepam	5.897	1999360	2301.48	55.1	555.11	124999	492.6118 ng/ml
Norfentanyl	4.085	928913	56193.64	37.4	2411.33	585366	55.9956 ng/ml
Norhydrocodone	3.074	348963	∞	41.5	∞	43824	573.7898 ng/ml
Noroxycodone	2.917	1528157	2283.42	46.0	264.17	69845	654.4763 ng/ml
O-desmethyl-tramadol	3.379	13112112	1533.30	5.8	1071.71	1263558	524.4449 ng/ml
o-desmethylvenlafaxine	4.069	17305091	314475.44	15.1	7254.86	220483	524.7654 ng/ml
Olanzapine	4.407	1423360	4185.28	57.1	7214.77	61264	515.2357 ng/ml
Oxazepam	5.746	1410005	11017.67	70.0	22960.53	149216	474.9797 ng/ml
Oxycodone	2.835	3994345	1568.26	30.1	4226.65	358861	470.7246 ng/ml
Oxymorphone	1.411	2102892	∞	46.6	1519.83	129089	501.8226 ng/ml
Phentermine	3.780	1427844	529.85	4.9	717.83	365843	476.3758 ng/ml
Promethazine	5.540	2626093	4171.87	30.4	3236.24	218974	506.4652 ng/ml
Pseudoephedrine	2.589	10607112	119.29	16.8	348.81	888665	527.9815 ng/ml
Quetiapine	5.529	4193735	98522.42	61.5	734.24	128220	481.3170 ng/ml
Sertraline	5.786	322648	320.14	93.1	3441.69	26307	484.4339 ng/ml
Temazepam	5.813	3190243	14271.78	26.5	9530.20	339444	462.9120 ng/ml
Tramadol	4.246	10336591	∞	3.6	463.46	1043302	496.1787 ng/ml
Trazodone	5.086	4459068	106672.40	72.9	2044.30	248004	514.5835 ng/ml
Venlafaxine	5.042	10078402	1520.70	31.3	∞	925632	517.7992 ng/ml
Zolpidem	4.857	11904995	214247.56	26.2	164286.80	982315	512.8422 ng/ml

# AM #28 Multi-Drug Quant. Results

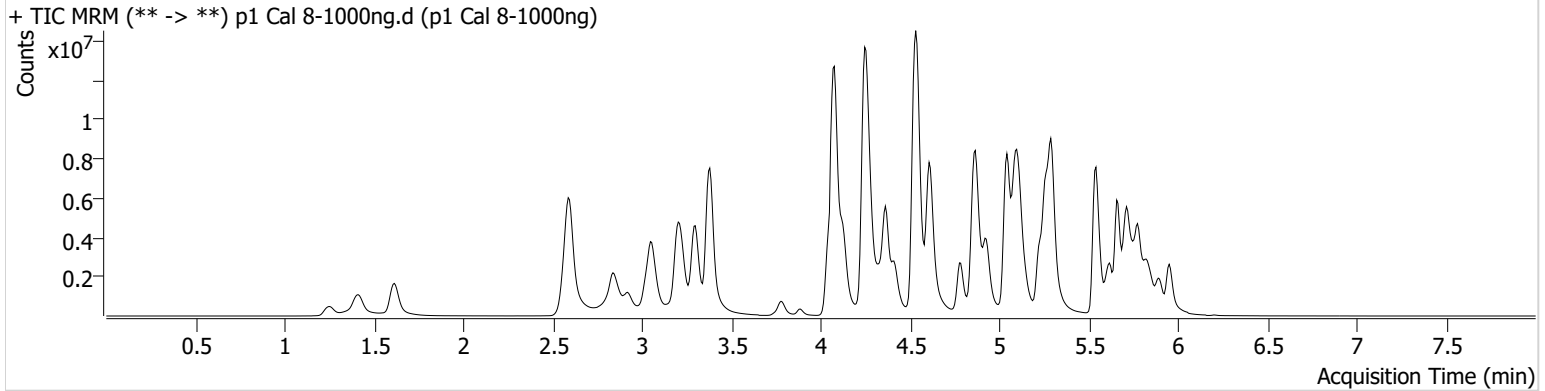
SC



**Batch results** D:\MassHunter\Data\2022\AM 27-28\100622 AM 28 SC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 10/7/2022 10:35:48 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	AM 28 P1 Updated 082522.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P6-A5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	10/6/2022 1:28:07 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	277720	2140.02	69.1	18940.48	67160	103.9746 ng/ml
7-aminoclonazepam	4.258	1345079	3509.60	70.6	4281.03	98862	617.3068 ng/ml
a-hydroxyalprazolam	5.681	463987	578.62	66.8	334.27	179656	1022.2092 ng/ml
alpha-PHP	4.928	2275765	40923.71	266.7	641.62	308140	1112.7767 ng/ml
alpha-PVP	4.363	8777051	49883.96	50.9	15293.76	308140	1065.0475 ng/ml
Alprazolam	5.772	4351757	3647.16	104.6	2311.12	144146	1005.3159 ng/ml
Amphetamine	3.057	6950661	83379.20	48.2	245.41	135904	722.0601 ng/ml
Benzoylcegonine	3.884	374765	20334.81	8.3	1411.97	12377	999.4493 ng/ml
Buprenorphine	5.720	60928	2783.41	14.7	364.81	21621	104.9909 ng/ml
Bupropion	4.778	4170469	55527.21	67.5	1700.29	129892	1035.5088 ng/ml
Carisoprodol	5.727	2964402	110146.92	63.7	5028.95	107185	1090.1798 ng/ml
Chlordiazepoxide	5.841	1384129	15205.51	103.9 <b>High</b>	14937.25	212331	758.2387 ng/ml
Chlorpheniramine	5.111	12803170	10000.75	0.3	366.22	541402	1047.9147 ng/ml
Citalopram	5.225	5078904	909.96	33.2	1245.85	190603	1051.7650 ng/ml
Clonazepam	5.607	3230029	86782.34	35.2	29606.90	52592	892.9461 ng/ml
Clonazolam	5.558	2202637	20667.67	38.8	394810.78	52592	867.6059 ng/ml
Cocaine	4.264	6366004	456.98	56.9	463.24	523722	1042.1588 ng/ml
Codeine	2.586	673614	131.52	99.5	13705.80	42678	820.5175 ng/ml
Cyclobenzaprine	5.624	2045184	818.26	7.7	291.80	74509	1042.9606 ng/ml
Dextromethorphan	5.268	1883925	87084.86	82.0	386.46	82791	1022.4324 ng/ml
Dextrorphan	4.124	2969824	3146.03	204.3	72367.20	284061	1040.1056 ng/ml
Diazepam	5.951	3479008	11329.88	90.9	72415.79	156113	984.6501 ng/ml
Dihydrocodeine	2.558	2343436	424.49	71.6	36108.58	203968	732.2400 ng/ml
Diphenhydramine	5.296	13511314	760.39	31.7	441.40	653240	1054.5379 ng/ml
Doxylamine	4.536	23779652	1260900.63	97.4	263222.14	1192636	889.9885 ng/ml
Duloxetine	5.650	122432	1809.93	13.7	530.26	6157	996.5476 ng/ml
EDDP	5.261	10006856	4564.62	39.2	1811.21	462523	1031.6770 ng/ml
Etizolam	5.810	2165106	9757.83	27.0	392269.29	52592	1118.6909 ng/ml
Fentanyl	5.087	249531	1640.16	66.0	316059.03	119894	102.7053 ng/ml
Flualprazolam	5.701	1280041	4707.43	111.1	56229.81	144146	830.0323 ng/ml
Fluoxetine	5.717	869956	251401.56	8.1	936.68	26935	1055.5185 ng/ml
Hydrocodone	3.019	3888980	935.75	39.1	∞	234379	929.8968 ng/ml
Hydromorphone	1.615	3773556	8797085.53	78.8	7347804.76	111736	1017.6667 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.700	3104952	22391.94	79.7	110145.75	82791	1189.0149 ng/ml
Ketamine	4.043	7007919	1193181.01	32.6	39332.12	335548	903.9208 ng/ml
Lamotrigine	4.287	461403	3540.55	87.6	35556.07	689072	834.9839 ng/ml
Lorazepam	5.743	909749	35588.00	52.4	4947.44	76007	952.1055 ng/ml
MDA	3.198	8580222	27987.22	27.5	987.36	266116	895.6811 ng/ml
MDMA	3.298	7426179	99523.90	93.8	61575.99	72960	1016.4102 ng/ml
Meprobamate	4.901	2521640	1828.03	28.6	340.83	129011	973.0796 ng/ml
Methadone	5.655	7949714	400429.02	52.6	44575.93	293915	1050.2476 ng/ml
Methamphetamine	3.226	3722026	408.24	37.6	40279.65	206462	914.2571 ng/ml
Metoprolol	4.327	1633061	213870.77	102.3	4106.22	880555	868.9558 ng/ml
Mirtazapine	4.607	13717787	219603.01	51.9	1186.07	308140	1460.2166 ng/ml
Mitragynine	5.215	1193376	585.28	35.5	826.52	293915	847.6259 ng/ml
Morphine	1.253	599970	∞	28.7	∞	8798	962.0823 ng/ml
Norbuprenorphine	4.997	16423	462.43	92.1	259.15	7367	94.1612 ng/ml
Nordiazepam	5.897	2502615	947.10	55.1	1522.47	82917	929.7189 ng/ml
Norfentanyl	4.091	1377553	3028.73	36.9	8290.06	378353	128.4032 ng/ml
Norhydrocodone	3.074	658786	735.03	40.8	∞	37324	1270.9309 ng/ml
Noroxycodone	2.917	2200875	9566.90	47.0	875.87	63684	1033.7632 ng/ml
O-desmethyl-tramadol	3.379	21350029	308681.64	6.1	19640.95	1060984	1016.6877 ng/ml
o-desmethylvenlafaxine	4.076	27183792	811348.18	15.3	3251.53	167570	1084.1496 ng/ml
Olanzapine	4.407	3444313	2304.93	58.7	4700.72	69998	1090.7287 ng/ml
Oxazepam	5.746	1341228	12069.31	71.1	4061.04	76007	887.3867 ng/ml
Oxycodone	2.828	6464690	643.50	30.3	686.88	330063	828.9217 ng/ml
Oxymorphone	1.411	3649197	∞	43.7	∞	108971	1031.6546 ng/ml
Phentermine	3.780	2151708	16331.12	4.8	207.84	298059	881.7404 ng/ml
Promethazine	5.540	4106508	2278.60	29.7	14689.84	162269	1068.6221 ng/ml
Pseudoephedrine	2.596	16963699	146065.69	16.7	54386.10	689072	1088.3634 ng/ml
Quetiapine	5.529	8116378	138914.47	60.8	568.24	138350	863.8521 ng/ml
Sertraline	5.786	359708	395.85	92.5	5673.95	12870	1105.0449 ng/ml
Temazepam	5.813	3088445	24833.36	28.0	7100.27	179656	847.1327 ng/ml
Tramadol	4.246	15504122	∞	3.7	∞	880555	881.8148 ng/ml
Trazodone	5.079	8869886	1939.16	74.5	279.18	236071	1075.1707 ng/ml
Venlafaxine	5.042	17164580	243680.50	31.4	2192.59	761556	1071.2941 ng/ml
Zolpidem	4.864	19703421	272364.65	27.3	177728.38	937307	889.6717 ng/ml