

**Worklist: 6091**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2022-1837	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2022-3348	3	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2022-3493	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2022-2327	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2022-2328	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2022-2408	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2022-2589	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2022-2597	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2022-2646	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2022-2668	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2022-2786	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	

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

Extraction Date: 09/08/22 Analyst: Sarah Collins  
Plate lot#: IDP-121-3-POC-220802 Plate Retest Date: 09/24/22  
Mobile phase A: 5mM Amm Form + 0.01% FA Mobile phase B: 0.01% Formic Acid in MeOH  
Blank Blood Lot: Lampire 22B52015-1 Blank Urine Lot: POC021022  
Column: Agilent 120 EC-C18 (2.1x 100-2.7um) LCMS-QQQ ID: 069901

## Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- 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: *Curve Range Limits: 7-aminoclonazepam 5-500, alpha-hydroxyalprazolam 5-250, amphetamine 5-250, benzoylcegonine 25-1000, clonazolam 5-500, dihydrocodeine 5-500, flualprazolam 5-500, lamotrigine 5-500, lorazepam 5-100, MDA 5-500, meprobamate 5-500, methamphetamine 5-500, metoprolol 5-500, norfentanyl 0.5-50, norhydrocodone 5-500, oxycodone 5-500, phentermine 5-500*  
*QC 100 reinjected due to carryover in previous blank in initial injection*

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**Idaho State Police  
Forensic Services**

**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



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**Idaho State Police  
Forensic Services**

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

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Deviation Number (assigned by QM): TOX-22-02

Date of Request:  
03/02/2022

Requestor/Discipline:  
Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #:  
Toxicology AM #25, AM #26, and AM #27, 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):

Toxicology AM #25 3.3.1.1 Internal standards are prepared by the ToxBox plate manufacturer and contained on the 96 well plate. If the run contains urine samples, a positive external urine control must also be run.

Toxicology AM #26 3.3.2 A negative control will be run with each extraction. If the run contains urine samples, a negative urine control and external positive urine control must also be included.

Toxicology AM #27 3.3.2 A negative control will be run with each extraction. If the run contains urine samples, a negative urine control and positive external urine control will also be included in the run.

The deviation is to include the option of using an internal urine control in lieu of an external urine control.

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**Technical Justification for Analytical Method Deviations:**

Internal controls serve the same purpose as external controls but also helps to avoid the possible issues that can occur with using external controls (incorrect spiking, incorrect preparation, evaporation of compounds, etc.). If these errors occur, runs need to be repeated and this wastes time, sample, and supplies.

**Technical Review**

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Departure approved

Comments:

Departure Not Approved

Comments:



Approver: Rachel Cutler

Title: Lab Manager

Date: 3/2/22

**Quality Review**

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Quality Approver: Jason Crowe

Title: Quality Manager

Date: 3/2/2022



Analytical plate map

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1			IS + Cal. 1	IS + QC_1				p2022-2646-1	c2022-1837-1	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2			IS + Cal. 2	IS + QC_2				p2022-2597-1	negative urine	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3			IS + Cal. 3	IS + QC_3				p2022-2589-1	negative blood	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4			IS + Cal. 4	IS + QC_4				p2022-2408-1	IS + QC_2 urine	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2			IS + Cal. 5	IS + QC_2				p2022-2328-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6				IS + Cal. 6					p2022-2327-1	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7				IS + Cal. 7				p2022-2786-1	m2022-3493-2	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8				IS + Cal. 8				p2022-2668-1	m2022-3348-3	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

SLE plate map

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	1	2	3	4	5	6	7	8	9	10	11	12
A							p2022-2646-1	c2022-1837-1	IS + Cal. 8			
B							p2022-2597-1	negative urine	IS + Cal. 7			
C							p2022-2589-1	negative blood	IS + Cal. 6			
D							p2022-2408-1	IS + QC_2 urine	IS + Cal. 5			
E							p2022-2328-1	IS + QC_4	IS + Cal. 4			
F							p2022-2327-1	IS + QC_3	IS + Cal. 3			
G						p2022-2786-1	m2022-3493-2	IS + QC_2	IS + Cal. 2			
H						p2022-2668-1	m2022-3348-3	IS + QC_1	IS + Cal. 1			

All wells to contain 60 µl of Trapping Solution

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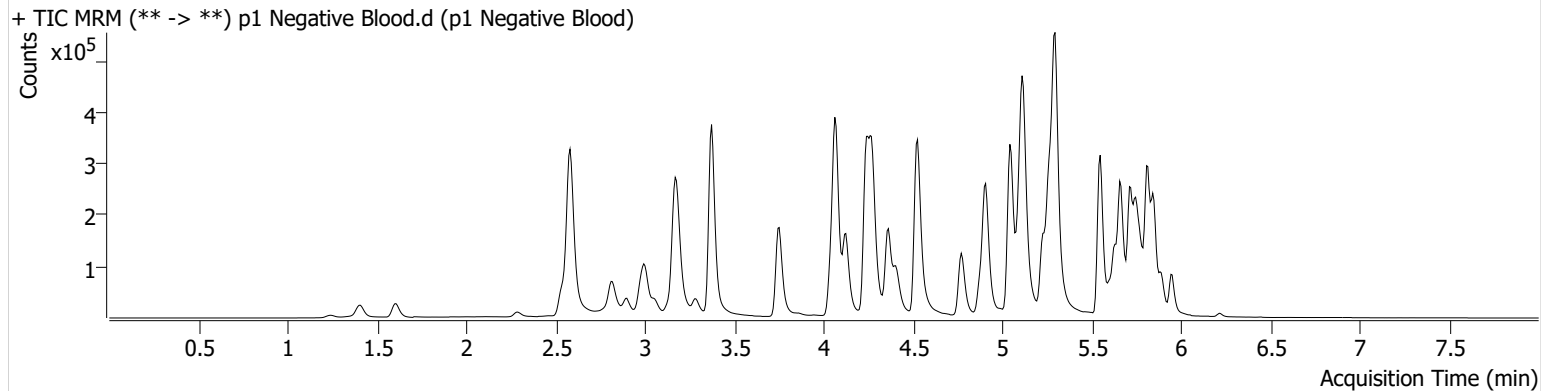


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-C8	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2022 3:29:13 PM		
<b>Sample Info.</b>			

## Sample Chromatogram





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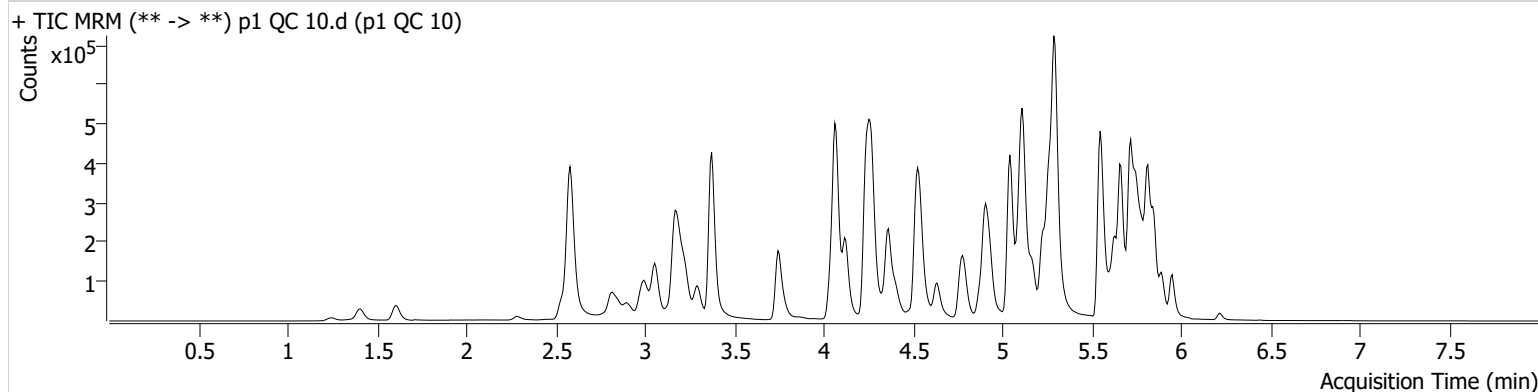


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	AM 28 P1 Updated 082522.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P6-H8	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2022 2:04:13 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	1902	708.96	65.7	1113.61	40706	1.1296 ng/ml
7-aminoclonazepam	4.265	24360	77.55	72.4	223.11	103630	10.4858 ng/ml
a-hydroxyalprazolam	5.695	16363	826.00	64.9	179.64	176000	11.4457 ng/ml
alpha-PPH	4.935	30110	105.33	272.3	1061.01	423900	10.2514 ng/ml
alpha-PVP	4.370	112350	7116.71	50.6	304.92	423900	9.5976 ng/ml
Alprazolam	5.772	53792	435.30	105.0	248.99	176000	10.4411 ng/ml
Amphetamine	3.057	221071	1636.06	42.4	117.28	182486	11.3261 ng/ml
Buprenorphine	5.857	2930	79.38	13.5	350.99	98844	1.0783 ng/ml
Bupropion	4.792	109262	225.68	74.6	192.47	330316	9.2497 ng/ml
Carisoprodol	5.727	49856	45153.50	63.6	618.08	202021	9.5599 ng/ml
Citalopram	5.225	94943	204.92	32.1	220294.62	366804	10.3404 ng/ml
Clonazepam	5.607	56530	919.37	34.1	449.32	71192	11.0447 ng/ml
Clonazolam	5.551	38928	36136.33	36.5	26574.98	71192	11.1220 ng/ml
Cocaine	4.264	76576	124.15	56.1	1262.44	635735	10.1871 ng/ml
Codeine	2.586	8679	67.52	107.4	61224.58	39988	10.4196 ng/ml
Cyclobenzaprine	5.631	72420	3679.53	8.5	36.73	297400	10.0195 ng/ml
Dextromethorphan	5.268	53019	225.34	84.0	192.86	224215	10.8885 ng/ml
Dextrophan	4.124	31229	774.55	194.8	669.42	325456	10.2668 ng/ml
Diazepam	5.951	35345	1246.95	89.5	226.52	153232	10.0621 ng/ml
Dihydrocodeine	2.565	20824	226.94	70.9	430.18	126838	10.1873 ng/ml
Diphenhydramine	5.296	241400	500.89	29.6	1033.15	1213710	9.9586 ng/ml
Doxylamine	4.538	199845	1644.47	97.5	1266.44	896714	9.9955 ng/ml
EDDP	5.261	96493	3107.22	42.2	588.53	462440	10.4430 ng/ml
Etizolam	5.817	27034	3041.65	26.3	8960.11	71192	9.6887 ng/ml
Fentanyl	5.101	7985	208.17	62.3	769.34	424324	1.0462 ng/ml
Flualprazolam	5.701	19706	1187.65	99.4	23664.10	176000	10.4818 ng/ml
Fluoxetine	5.717	115389	∞	7.6	69.66	374525	9.9476 ng/ml
Hydrocodone	3.026	35065	40.79	37.6	59.06	183553	10.2294 ng/ml
Hydromorphone	1.615	27412	632.22	80.3	1385.98	80711	10.3959 ng/ml
Ketamine	4.057	75049	6499.64	33.6	399.36	264579	10.4190 ng/ml
Lamotrigine	4.281	5966	141.87	87.3	106.74	264579	10.3353 ng/ml
Lorazepam	5.743	53972	345.50	52.1	61.05	71192	10.5121 ng/ml
MDA	3.205	128314	916.85	30.4	73.61	253625	10.9237 ng/ml

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# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.298	75695	597.13	90.3	486.40	68631	10.4198 ng/ml
Meprobamate	4.901	30910	2966.19	29.2	382.51	176765	10.9133 ng/ml
Methadone	5.662	142117	392.88	56.4	1907.58	518246	9.7113 ng/ml
Methamphetamine	3.226	160800	992.08	38.7	94.32	611104	11.3337 ng/ml
Metoprolol	4.327	21245	7781.47	102.1	371.87	782805	10.0833 ng/ml
Mirtazapine	4.634	143126	861.90	56.6	543.06	423900	10.0396 ng/ml
Mitragynine	5.236	31216	398.84	35.4	297.28	518246	9.5621 ng/ml
Morphine	1.253	3860	1274.69	32.1	1243.64	4994	10.2476 ng/ml
Norbuprenorphine	4.997	322	463.46	94.5	2477.94	14158	0.8390 ng/ml
Nordiazepam	5.897	40085	520.65	56.8	1172.59	121415	10.1609 ng/ml
Norfentanyl	4.085	18556	552.40	34.1	98.90	675777	0.9818 ng/ml
Norhydrocodone	3.074	5211	72.48	36.6	75.73	47475	9.4579 ng/ml
Noroxycodone	2.917	32452	274.07	47.4	430.34	88768	10.3068 ng/ml
O-desmethyl-tramadol	3.379	172555	423.15	5.8	184.58	909850	9.8718 ng/ml
Oxazepam	5.753	68429	122.64	73.4	859.50	327977	10.4286 ng/ml
Oxycodone	2.842	58705	309.30	29.5	182.65	215209	9.4930 ng/ml
Oxymorphone	1.411	25238	312.69	47.9	199.87	71253	10.3137 ng/ml
Phentermine	3.780	39391	342.24	6.6	66.22	476737	10.7122 ng/ml
Promethazine	5.547	166871	530.80	32.9	468.89	712672	10.1196 ng/ml
Pseudoephedrine	2.589	196085	477.21	17.4	1369.19	911923	10.0702 ng/ml
Quetiapine	5.564	107756	208.26	55.8	512646.47	133551	10.7994 ng/ml
Sertraline	5.786	41519	274.80	98.1	957.62	170505	9.9209 ng/ml
Temazepam	5.820	110971	2642.90	28.7	86.50	539467	9.9095 ng/ml
Tramadol	4.246	159714	195.73	3.3	33.55	782805	9.3858 ng/ml
Trazodone	5.161	135416	725.88	61.7	777.91	384825	9.8973 ng/ml
Venlafaxine	5.042	156952	425.70	35.5	227.21	858997	9.8776 ng/ml
Zolpidem	4.925	148252	1429.67	28.8	682.57	610535	10.2757 ng/ml

SC

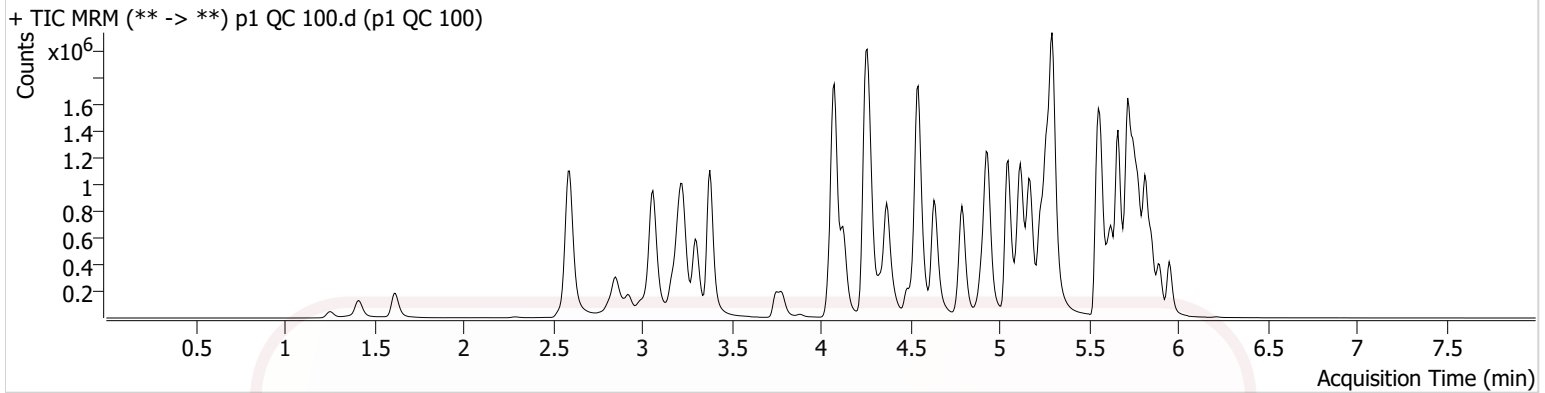


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-G8 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2022 8:26:38 PM Data not used due to carryover in blank previous to this injection. Reinject data used.  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	18383	318.13	71.0	325810.84	42984	10.1954 ng/ml
7-aminoclonazepam	4.265	255370	7870.76	71.3	289.64	110626	106.6335 ng/ml
a-hydroxyalprazolam	5.695	131891	754.40	71.9	3338.06	177031	96.7134 ng/ml
alpha-PHP	4.941	300265	11137.29	261.4	3396.01	429043	106.6379 ng/ml
alpha-PVP	4.370	1159444	910.06	50.7	28933.83	429043	97.1216 ng/ml
Alprazolam	5.772	537347	895.92	106.8	831.87	177031	98.8946 ng/ml
Amphetamine	3.064	1900490	1448.57	44.0	916.52	194104	100.3772 ng/ml
Benzoylcegonine	3.884	19111	385.22	8.2	237.42	6463	105.3867 ng/ml
Buprenorphine	5.857	28135	25074.68	16.1	18929.19	101914	9.4489 ng/ml
Bupropion	4.792	1182523	19214.99	71.5	3562.39	357344	95.2702 ng/ml
Carisoprodol	5.727	421451	751.18	61.0	1380.68	165341	93.5346 ng/ml
Citalopram	5.231	942332	29422.56	32.8	247.65	354552	104.9970 ng/ml
Clonazepam	5.607	520206	606.72	35.5	606.50	69169	110.8880 ng/ml
Clonazepam	5.551	356434	402008.60	35.6	212401.36	69169	115.7224 ng/ml
Cocaine	4.271	732678	24166.30	57.6	334.03	626965	99.1106 ng/ml
Codeine	2.593	87725	5297.76	102.5	746.27	42604	108.8571 ng/ml
Cyclobenzaprine	5.631	632500	17121.37	8.2	1200.99	260237	96.7299 ng/ml
Dextromethorphan	5.275	499456	14300.36	83.0	2839022.60	213972	105.2019 ng/ml
Dextrophan	4.124	316619	370.84	201.2	883882.12	340422	96.8309 ng/ml
Diazepam	5.951	365120	1546.57	87.6	877.21	158975	102.1435 ng/ml
Dihydrocodeine	2.572	227969	57197.06	67.4	12175.90	136509	108.9268 ng/ml
Diphenhydramine	5.296	2482330	2866.23	30.0	11661.92	1224143	99.8022 ng/ml
Doxylamine	4.545	2222444	1087.71	95.6	65990.68	949747	102.9396 ng/ml
EDDP	5.261	1006356	31605.14	42.7	13849.77	502606	99.3734 ng/ml
Etizolam	5.817	251811	951.55	27.7	79919.73	69169	88.1613 ng/ml
Fentanyl	5.108	74357	∞	67.2	195.13	413442	10.2380 ng/ml
Flualprazolam	5.701	187414	6821.58	103.1	242934.93	177031	105.6225 ng/ml
Fluoxetine	5.717	641216	∞	7.6	6915.24	207007	97.3576 ng/ml
Hydrocodone	3.033	353215	166.24	36.4	130.58	190338	106.7602 ng/ml
Hydromorphone	1.622	293832	490225.45	77.4	14262.18	85752	105.3459 ng/ml
Ketamine	4.057	742812	51870.45	34.6	5452.59	276569	107.4331 ng/ml
Lamotrigine	4.287	57948	2495.05	89.6	35832.10	276569	104.6743 ng/ml
Lorazepam	5.743	418719	4136.39	51.8	2538.45	69169	93.0456 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	1089923	2336.67	30.7	443.33	249034	101.9812 ng/ml
MDMA	3.298	752954	103498.66	91.4	2744.93	71814	100.0376 ng/ml
Meprobamate	4.901	271651	1990.67	28.9	142.27	174120	107.7328 ng/ml
Methadone	5.662	1498244	1434.25	53.2	32570.47	523224	98.8824 ng/ml
Methamphetamine	3.232	1325186	2974.70	38.7	6260.33	652340	101.2698 ng/ml
Metoprolol	4.334	211532	211979.24	101.7	3401.49	797055	102.5632 ng/ml
Mirtazapine	4.634	1500361	31295.07	54.1	90904.45	429043	99.6423 ng/ml
Mitragynine	5.243	297080	2601.09	34.7	121030.31	523224	93.1685 ng/ml
Morphine	1.253	42485	956.89	27.1	649.85	6280	89.7449 ng/ml
Norbuprenorphine	4.997	3433	1779.17	90.3	1161.60	14708	10.3709 ng/ml
Nordiazepam	5.897	378668	1623.23	58.0	458.18	115701	103.7591 ng/ml
Norfentanyl	4.091	182320	792.48	35.7	662.47	634738	9.6826 ng/ml
Norhydrocodone	3.081	48318	291.75	38.7	96.42	37886	98.4050 ng/ml
Noroxycodone	2.924	311468	1442.18	47.6	7925.22	89734	99.9555 ng/ml
O-desmethyl-tramadol	3.379	1807050	∞	5.8	430.07	935656	98.7344 ng/ml
Oxazepam	5.753	550546	3089.20	75.3	3883.11	268882	104.0567 ng/ml
Oxycodone	2.849	620725	832.78	30.7	1594.12	235171	106.9095 ng/ml
Oxymorphone	1.411	255779	∞	47.6	∞	77680	96.9599 ng/ml
Phentermine	3.787	388002	2896.61	6.1	177.84	485789	110.0438 ng/ml
Promethazine	5.547	1429330	7687.36	32.3	5393.44	603922	98.6920 ng/ml
Pseudoephedrine	2.596	1973341	896.73	17.0	74513.89	898284	98.1455 ng/ml
Quetiapine	5.564	1057815	401.02	58.7	274858.84	138667	104.1537 ng/ml
Sertraline	5.786	205411	674.64	94.1	5204.26	83447	97.2538 ng/ml
Temazepam	5.820	994880	12540.32	28.8	468.82	478848	102.0387 ng/ml
Tramadol	4.253	1733840	109.87	3.5	163.46	797055	101.5137 ng/ml
Trazodone	5.168	1315326	414.99	63.5	35477.90	385424	95.4688 ng/ml
Venlafaxine	5.049	1590452	1272.45	35.8	768.91	889839	92.0964 ng/ml
Zolpidem	4.925	1577876	5848.18	28.6	19489.35	642029	109.7189 ng/ml

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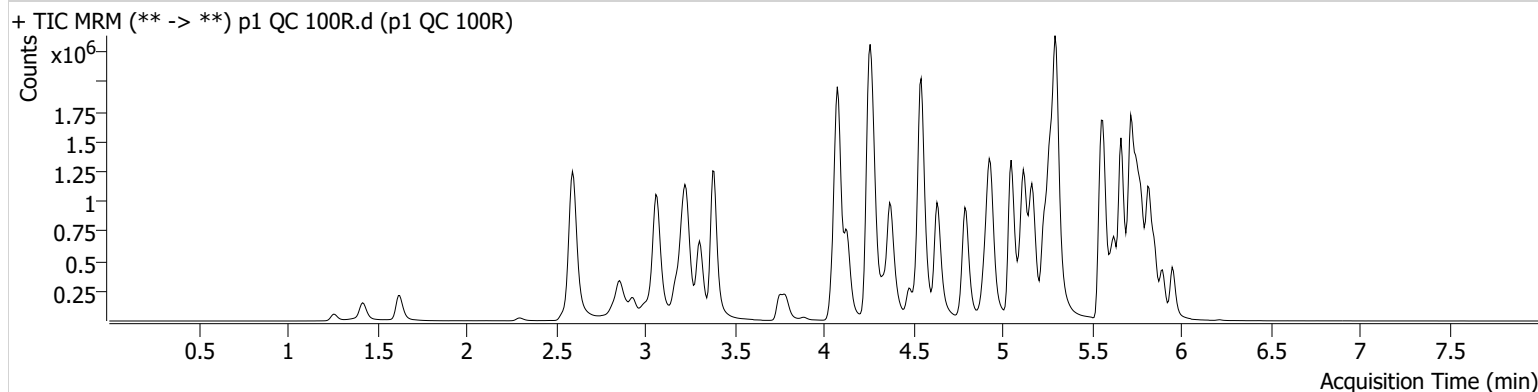


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 AM

**Instrument** Falco (069901) **Data File** p1 QC 100R.d  
**Type** QC **Sample** p1 QC 100R  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-G8 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/9/2022 8:26:48 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	21739	22836.52	66.5	67410.69	51543	10.0548 ng/ml
7-aminoclonazepam	4.271	289128	3284.56	71.3	5483.24	125260	106.6245 ng/ml
a-hydroxyalprazolam	5.695	139587	473.18	72.9	1068.71	192682	94.0227 ng/ml
alpha-PHP	4.941	351132	2023.11	257.0	4260.83	490831	109.0193 ng/ml
alpha-PVP	4.377	1318981	38228.54	51.3	10592.22	490831	96.5773 ng/ml
Alprazolam	5.772	595607	888.97	105.5	9129.44	192682	100.7029 ng/ml
Amphetamine	3.064	2132834	1342.56	43.1	2122.26	220339	99.2220 ng/ml
Benzoylecgonine	3.891	22745	2969.34	8.6	1411.41	7999	101.3393 ng/ml
Buprenorphine	5.850	31967	830.19	16.0	2530.65	110166	9.9282 ng/ml
Bupropion	4.792	1355798	4581.78	71.9	15447.40	398820	97.8788 ng/ml
Carisoprodol	5.727	478853	661676.55	63.1	455.08	188627	93.1567 ng/ml
Citalopram	5.231	1051067	11069.73	32.9	1351.76	392102	105.8962 ng/ml
Clonazepam	5.607	546064	12216.97	36.0	187320.51	75137	107.1298 ng/ml
Clonazepam	5.551	383061	595965.00	35.2	140349.30	75137	114.4757 ng/ml
Cocaine	4.271	829135	1372132.91	58.5	61371.60	713908	98.4992 ng/ml
Codeine	2.600	93956	261.56	104.4	5244.14	46545	106.6950 ng/ml
Cyclobenzaprine	5.631	624854	24591.74	7.9	302.91	247939	100.2870 ng/ml
Dextromethorphan	5.275	552431	312.43	82.9	1808.77	239631	103.9041 ng/ml
Dextrophan	4.131	363493	636442.96	201.1	883.56	380642	99.4119 ng/ml
Diazepam	5.951	392282	2312.10	89.7	1373.48	175863	99.1977 ng/ml
Dihydrocodeine	2.572	253283	8035.48	68.9	216.68	161369	102.3435 ng/ml
Diphenhydramine	5.303	2763972	32958.00	29.5	762.34	1369525	99.3300 ng/ml
Doxylamine	4.545	2602632	137597.56	94.0	73991.98	1112018	102.9580 ng/ml
EDDP	5.268	1130827	503.06	41.9	15173.48	561581	99.9372 ng/ml
Etizolam	5.817	288681	1883.72	27.9	66812.93	75137	93.0118 ng/ml
Fentanyl	5.108	81659	22924.41	65.3	9424.40	438861	10.5933 ng/ml
Flualprazolam	5.701	208117	11440.59	101.5	10000.07	192682	107.7789 ng/ml
Fluoxetine	5.717	560935	60516.76	7.4	70557.68	179579	98.1739 ng/ml
Hydrocodone	3.033	393355	402.10	37.5	720.98	216280	104.6149 ng/ml
Hydromorphone	1.629	323689	1668.95	78.2	4140.84	95636	104.0555 ng/ml
Ketamine	4.057	851948	417.04	33.5	1339.26	313703	108.6434 ng/ml
Lamotrigine	4.294	66841	999.34	87.3	118556.22	313703	106.4620 ng/ml
Lorazepam	5.743	414410	958.30	52.9	443.48	75137	84.6581 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.211	1200018	2033.69	30.8	1401.56	275048	101.6596 ng/ml
MDMA	3.305	850600	6456.87	93.1	1955.44	80968	100.2333 ng/ml
Meprobamate	4.908	305929	7756.56	29.0	3986.58	195323	108.1619 ng/ml
Methadone	5.662	1641874	1619.22	53.7	15529.67	580166	97.7294 ng/ml
Methamphetamine	3.232	1483048	1521.78	39.1	716.16	737517	100.2236 ng/ml
Metoprolol	4.334	247217	320025.35	99.8	36801.17	939439	101.6946 ng/ml
Mirtazapine	4.634	1688949	56875.82	53.3	446842.94	490831	98.0542 ng/ml
Mitragynine	5.243	321935	2064.64	33.7	239.75	580166	91.0456 ng/ml
Morphine	1.261	46653	727.70	28.0	98.99	6560	94.3471 ng/ml
Norbuprenorphine	5.004	3653	945.18	98.6	3973.75	16387	9.8974 ng/ml
Nordiazepam	5.897	409336	14137.98	57.2	514.26	123625	104.9772 ng/ml
Norfentanyl	4.091	207920	11304.68	35.5	640.16	714312	9.8112 ng/ml
Norhydrocodone	3.088	54450	144.96	38.6	212.37	41633	100.8860 ng/ml
Noroxycodone	2.931	337528	304.82	49.7	417.73	93993	103.4195 ng/ml
O-desmethyl-tramadol	3.386	2081625	34035.97	5.8	401.48	1072174	99.2539 ng/ml
Oxazepam	5.753	575301	3547.78	73.4	379.27	286709	101.9709 ng/ml
Oxycodone	2.849	703960	10965.20	30.4	1681.36	267825	106.4555 ng/ml
Oxymorphone	1.418	282055	∞	48.6	1178.99	83530	99.4361 ng/ml
Phentermine	3.787	435624	1796.10	6.5	815.32	559649	107.2255 ng/ml
Promethazine	5.547	1422486	779.42	32.2	29632.73	591236	100.3204 ng/ml
Pseudoephedrine	2.603	2240862	763.47	17.2	1214.46	1017726	98.3696 ng/ml
Quetiapine	5.564	1169412	84376.07	60.1	261727.78	154837	103.1148 ng/ml
Sertraline	5.786	164445	281.02	92.9	497.90	66539	97.6417 ng/ml
Temazepam	5.820	1065495	14542.57	27.3	1531.82	508755	102.8587 ng/ml
Tramadol	4.253	2020253	∞	3.4	273.65	939439	100.3538 ng/ml
Trazodone	5.161	1393292	1731.42	65.8	1221892.23	416212	93.6481 ng/ml
Venlafaxine	5.049	1851143	1100.13	35.4	10437.68	999928	95.3720 ng/ml
Zolpidem	4.925	1758139	1183546.95	28.6	4905.47	752903	104.2192 ng/ml

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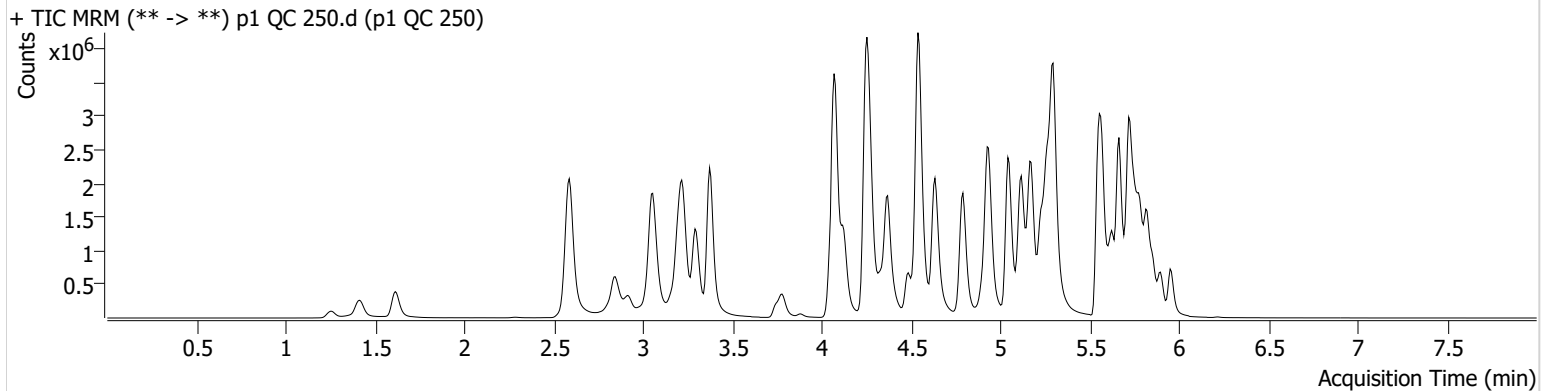


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-F8 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2022 2:25:29 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	47085	106962.76	67.7	620.01	44222	25.3566 ng/ml
7-aminoclonazepam	4.265	470319	491.14	70.1	2267.26	84646	257.2472 ng/ml
a-hydroxyalprazolam	5.688	221076	1912.55	70.2	12545.48	134858	213.6597 ng/ml
alpha-PHP	4.935	668948	5238.00	261.3	23264.65	406910	251.3554 ng/ml
alpha-PVP	4.370	2814937	8215.28	50.5	1410.51	406910	248.4953 ng/ml
Alprazolam	5.772	1051261	1863.96	104.8	615.22	134858	253.1375 ng/ml
Amphetamine	3.057	3963274	1797.89	43.8	30410.26	187897	217.6815 ng/ml
Benzoylecgonine	3.877	50085	774.94	7.7	297.57	6723	265.3317 ng/ml
Buprenorphine	5.864	67294	7038.82	14.5	13345.27	93053	24.6369 ng/ml
Bupropion	4.792	2863108	97935.47	71.5	27610.72	343839	240.1866 ng/ml
Carisoprodol	5.727	665206	247.31	63.6	161.27	104638	232.4427 ng/ml
Citalopram	5.225	2127473	33886.17	32.3	828.97	317342	264.6499 ng/ml
Clonazepam	5.607	921724	16892.15	35.5	12247.10	52569	259.5075 ng/ml
Clonazepam	5.551	569381	488478.32	36.7	255384.97	52569	244.6625 ng/ml
Cocaine	4.264	1750320	5645.83	56.7	399.68	586328	253.2282 ng/ml
Codeine	2.586	178666	119.80	101.4	5076.94	37302	254.7796 ng/ml
Cyclobenzaprine	5.631	1491059	205612.26	8.2	168.80	233976	253.0337 ng/ml
Dextromethorphan	5.275	1032723	844.44	82.8	12080.38	181027	256.7424 ng/ml
Dextrophan	4.124	752244	23420.72	201.0	1981.61	310041	252.1040 ng/ml
Diazepam	5.951	738517	956.04	89.1	886.44	128828	255.2761 ng/ml
Dihydrocodeine	2.558	512185	677.95	71.6	11683.36	139082	240.8996 ng/ml
Diphenhydramine	5.296	5442574	70210.30	29.8	28669.18	1066321	250.9200 ng/ml
Doxylamine	4.538	5810685	6572.71	94.3	190985.39	981047	260.2294 ng/ml
EDDP	5.261	2263105	753.58	41.6	55355.38	446538	251.3821 ng/ml
Etizolam	5.817	538556	3283.19	27.8	187915.63	52569	247.0981 ng/ml
Fentanyl	5.108	169828	190.53	65.5	243083.84	392058	24.6981 ng/ml
Flualprazolam	5.701	335310	2999.34	102.6	38780.96	134858	249.1086 ng/ml
Fluoxetine	5.717	1430372	16498.67	7.8	260.73	177608	252.6567 ng/ml
Hydrocodone	3.019	794148	311.10	39.3	297.71	183824	249.6660 ng/ml
Hydromorphone	1.615	715354	3077909.24	78.2	5291.46	83862	262.3270 ng/ml
Ketamine	4.050	1732988	1403.84	33.2	462.06	269179	258.9728 ng/ml
Lamotrigine	4.287	122902	5635.07	91.1	137922.95	269179	229.3249 ng/ml
* Lorazepam	5.743	583516	4569.91	51.9	669.20	52569	171.6996 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.198	2177718	2005.24	29.6	391.00	212773	239.7969 ng/ml
MDMA	3.292	1808755	5378.89	90.1	2313.50	67139	257.2263 ng/ml
Meprobamate	4.901	529689	35386.48	28.7	188.69	156162	235.7596 ng/ml
Methadone	5.662	3270244	107745.31	54.3	60749.27	452282	249.2786 ng/ml
Methamphetamine	3.226	3165458	1935.12	38.1	531.71	665158	239.9917 ng/ml
Metoprolol	4.334	490299	4430.55	102.5	27890.74	747071	254.2959 ng/ml
Mirtazapine	4.634	3583935	190605.67	55.4	6337.88	406910	250.2592 ng/ml
Mitragynine	5.236	648637	8352.95	34.6	406321.47	452282	235.8781 ng/ml
Morphine	1.253	105349	687.80	30.0	347.21	5523	253.0372 ng/ml
Norbuprenorphine	4.997	8555	7027.78	91.2	255.41	14741	26.0717 ng/ml
Nordiazepam	5.897	743405	2038.19	56.3	739.90	90064	262.2014 ng/ml
Norfentanyl	4.085	415881	33479.52	36.1	2106.04	518375	26.9330 ng/ml
Norhydrocodone	3.074	116989	7986.98	38.8	212.71	32581	275.0941 ng/ml
Noroxycodone	2.917	633719	4125.05	49.4	3178.68	72567	251.8562 ng/ml
O-desmethyl-tramadol	3.372	4625141	138626.21	5.8	17703.51	918244	257.1883 ng/ml
Oxazepam	5.753	866433	15218.56	70.2	12576.22	170845	258.0212 ng/ml
Oxycodone	2.835	1426813	3667.06	30.8	1460.26	235868	247.2604 ng/ml
Oxymorphone	1.411	643659	∞	47.2	∞	78576	241.4088 ng/ml
Phentermine	3.780	879478	2378.12	5.9	2325.92	492438	246.9926 ng/ml
Promethazine	5.547	3562191	1349.77	32.0	1272.41	579694	255.6107 ng/ml
Pseudoephedrine	2.589	4588911	3974.81	16.8	31654.86	816056	250.4283 ng/ml
Quetiapine	5.564	2322438	62303.52	59.1	2602660.82	119107	266.6006 ng/ml
Sertraline	5.786	556124	6415.19	93.8	114294.03	88385	248.0737 ng/ml
Temazepam	5.820	1713674	38004.40	27.9	4928.83	330969	254.6118 ng/ml
Tramadol	4.246	4178069	∞	3.6	114.00	747071	261.2207 ng/ml
Trazodone	5.168	3011992	58347.40	67.1	75996.88	332068	253.6438 ng/ml
Venlafaxine	5.042	4016947	3775.16	33.7	2449.33	829030	248.7841 ng/ml
Zolpidem	4.925	3539806	96230.98	28.2	5706.51	617009	256.9610 ng/ml



SC

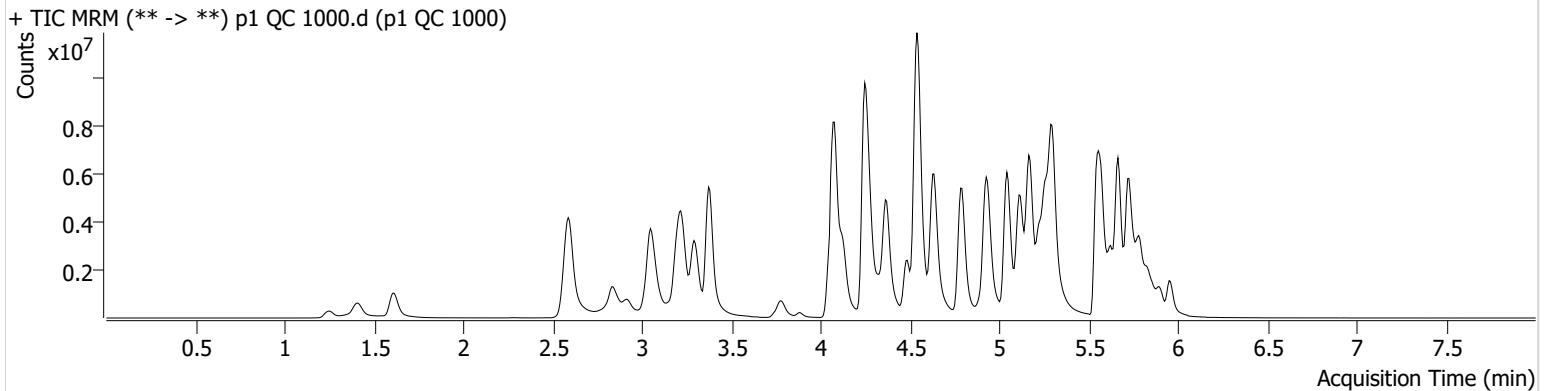


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-E8 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2022 2:46:43 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	169297	85382.98	68.4	1348.45	38412	104.9049 ng/ml
* <del>7-aminoclonazepam</del>	<del>4.265</del>	<del>686278</del>	<del>8518.81</del>	<del>70.7</del>	<del>2149.66</del>	<del>43093</del>	<del>738.0907 ng/ml</del>
* <del>a-hydroxyalprazolam</del>	<del>5.688</del>	<del>300187</del>	<del>559.23</del>	<del>66.4</del>	<del>626.30</del>	<del>76474</del>	<del>512.6000 ng/ml</del>
alpha-PHP	4.941	1736605	18696.26	262.6	6009.58	309821	858.5407 ng/ml
alpha-PVP	4.370	8968772	1385.84	49.9	84380.57	309821	1039.5931 ng/ml
Alprazolam	5.772	2426378	∞	102.1	495.60	76474	1028.6602 ng/ml
* <del>Amphetamine</del>	<del>3.050</del>	<del>8516860</del>	<del>1252.40</del>	<del>44.1</del>	<del>603.46</del>	<del>159521</del>	<del>552.9068 ng/ml</del>
Benzoylcegonine	3.884	205697	9310.30	8.3	327.91	7369	993.8113 ng/ml
Buprenorphine	5.864	245230	577307.51	15.3	24173.77	79896	104.3347 ng/ml
Bupropion	4.792	9574413	424740.37	69.5	82445.78	306922	900.6438 ng/ml
Carisoprodol	5.733	846541	435127.73	66.0	4197.33	30342	1018.2305 ng/ml
Citalopram	5.218	5087426	80264.46	32.2	28319.83	188745	1063.6568 ng/ml
Clonazepam	5.607	1629189	39866.35	34.1	2274.58	27888	866.3570 ng/ml
* <del>Clonazepam</del>	<del>5.544</del>	<del>739407</del>	<del>802562.25</del>	<del>37.3</del>	<del>349265.68</del>	<del>27888</del>	<del>600.7785 ng/ml</del>
Cocaine	4.271	4696952	694.84	56.2	1754.03	380227	1047.9716 ng/ml
Codeine	2.586	410619	4678.75	96.6	5305.98	26806	817.4073 ng/ml
Cyclobenzaprine	5.631	4171583	2199.36	7.8	3163.43	151767	1090.1758 ng/ml
Dextromethorphan	5.268	2281842	34713.39	81.7	3778.11	97232	1055.3659 ng/ml
Dextrophan	4.124	2300602	235168.02	200.1	∞	217657	1097.2325 ng/ml
Diazepam	5.957	1933271	6201.59	89.3	7177.98	91203	944.5267 ng/ml
* <del>Dihydrocodeine</del>	<del>2.558</del>	<del>1418295</del>	<del>17779.47</del>	<del>71.8</del>	<del>9837.17</del>	<del>133915</del>	<del>693.8996 ng/ml</del>
Diphenhydramine	5.296	14186274	1410.84	30.3	45960.06	668959	1041.9332 ng/ml
Doxylamine	4.538	18825040	760636.55	94.1	415845.04	835997	988.7568 ng/ml
EDDP	5.261	7301273	67962.14	40.8	54317.90	336773	1075.0295 ng/ml
Etizolam	5.817	1364704	17139.07	27.8	275670.12	27888	1178.2069 ng/ml
Fentanyl	5.101	480586	45855.20	63.0	290.01	322705	84.9806 ng/ml
* <del>Flualprazolam</del>	<del>5.701</del>	<del>569862</del>	<del>12246.11</del>	<del>108.0</del>	<del>15271.77</del>	<del>76474</del>	<del>748.1173 ng/ml</del>
Fluoxetine	5.724	2557717	75323.25	7.3	122893.88	78614	1019.8057 ng/ml
Hydrocodone	3.019	2367437	∞	40.0	2179.21	156541	876.1214 ng/ml
Hydromorphone	1.609	2278735	25082728.15	79.4	5482458.26	68453	1023.8775 ng/ml
Ketamine	4.050	4648709	549364.28	32.5	15173.87	225490	831.5675 ng/ml
* <del>Lamotrigine</del>	<del>4.287</del>	<del>243304</del>	<del>10479.81</del>	<del>93.9</del>	<del>1186.26</del>	<del>225490</del>	<del>543.3625 ng/ml</del>
* <del>Lorazepam</del>	<del>5.743</del>	<del>589828</del>	<del>286.60</del>	<del>56.4</del>	<del>5040.92</del>	<del>27888</del>	<del>328.3336 ng/ml</del>

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* MDA	<del>3.191</del>	<del>4178149</del>	<del>19810.13</del>	<del>27.0</del>	<del>3109.30</del>	<del>141759</del>	<del>692.3821 ng/ml</del>
MDMA	3.292	5147512	6448.19	89.7	3749.99	47110	1043.6047 ng/ml
* Meprobamate	<del>4.894</del>	<del>1017653</del>	<del>16944.01</del>	<del>28.1</del>	<del>7256.79</del>	<del>112516</del>	<del>630.8306 ng/ml</del>
Methadone	5.662	9794610	59671.34	54.9	363426.56	325784	1035.6607 ng/ml
* Methamphetamine	<del>3.219</del>	<del>9165721</del>	<del>90754.45</del>	<del>36.5</del>	<del>25541.85</del>	<del>641934</del>	<del>724.1458 ng/ml</del>
* Metoprolol	<del>4.327</del>	<del>1196428</del>	<del>1270865.77</del>	<del>102.8</del>	<del>64245.43</del>	<del>600856</del>	<del>772.4550 ng/ml</del>
Mirtazapine	4.634	11381997	278204.31	54.2	310673.75	309821	1042.3744 ng/ml
Mitragynine	5.236	1635957	6003.33	36.0	557388.34	325784	826.8193 ng/ml
Morphine	1.253	351721	244.90	28.7	∞	4609	1012.5476 ng/ml
Norbuprenorphine	4.997	30300	8566.19	95.8	130.77	14066	97.2859 ng/ml
Nordiazepam	5.897	1498004	26631.02	56.7	6166.46	47930	993.7628 ng/ml
* Norfentanyl	<del>4.091</del>	<del>945736</del>	<del>30950.72</del>	<del>36.6</del>	<del>7395.33</del>	<del>230907</del>	<del>137.2415 ng/ml</del>
* Norhydrocodone	<del>3.074</del>	<del>395248</del>	<del>314.92</del>	<del>40.3</del>	<del>∞</del>	<del>22627</del>	<del>1334.0517 ng/ml</del>
Noroxycodone	2.917	1447986	6157.36	50.1	14302.28	41081	1017.2781 ng/ml
O-desmethyl-tramadol	3.372	14472116	385825.02	5.8	24502.48	687045	1074.9299 ng/ml
Oxazepam	5.753	854791	15431.10	72.4	9609.99	45998	945.9686 ng/ml
* Oxycodone	<del>2.828</del>	<del>3829910</del>	<del>1861.66</del>	<del>30.8</del>	<del>806.41</del>	<del>202968</del>	<del>774.9693 ng/ml</del>
Oxymorphone	1.405	1860422	∞	47.7	2415.68	61040	898.5824 ng/ml
* Phentermine	<del>3.780</del>	<del>2337282</del>	<del>∞</del>	<del>5.5</del>	<del>1478.02</del>	<del>443021</del>	<del>731.0841 ng/ml</del>
Promethazine	5.547	11358173	176133.20	29.3	79022.08	429841	1097.8581 ng/ml
Pseudoephedrine	2.589	12136906	114912.67	16.3	29963.15	487740	1106.4289 ng/ml
Quetiapine	5.564	5974761	69796.20	59.3	1249.11	79505	1028.1806 ng/ml
Sertraline	5.786	1181913	19660.37	92.5	478.67	45849	1015.3291 ng/ml
Temazepam	5.827	2148354	70071.37	30.4	2389.15	117020	903.3259 ng/ml
Tramadol	4.246	11751198	961.15	3.3	∞	600856	913.8675 ng/ml
Trazodone	5.168	8824447	207588.85	72.4	325933.22	222626	1108.2335 ng/ml
Venlafaxine	5.042	12551283	8481.10	31.8	24806.42	602021	1068.7641 ng/ml
Zolpidem	4.925	10000382	132784.09	27.2	729922.74	524886	854.8118 ng/ml

\*OCR

SC

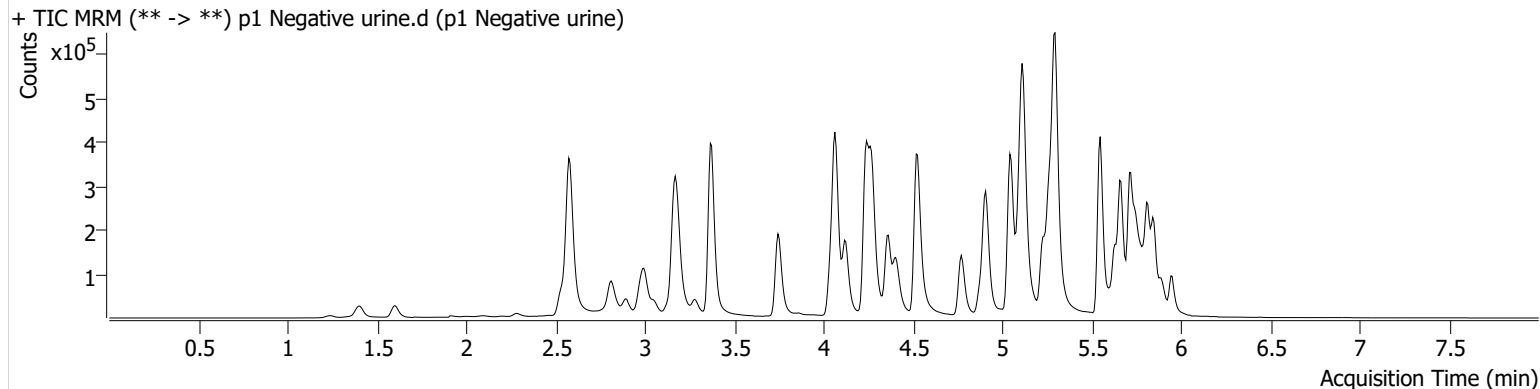


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative urine.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative urine
<b>Acq. Method</b>	AM 28 P1 Updated 082522.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P6-B8	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2022 4:11:42 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



SC

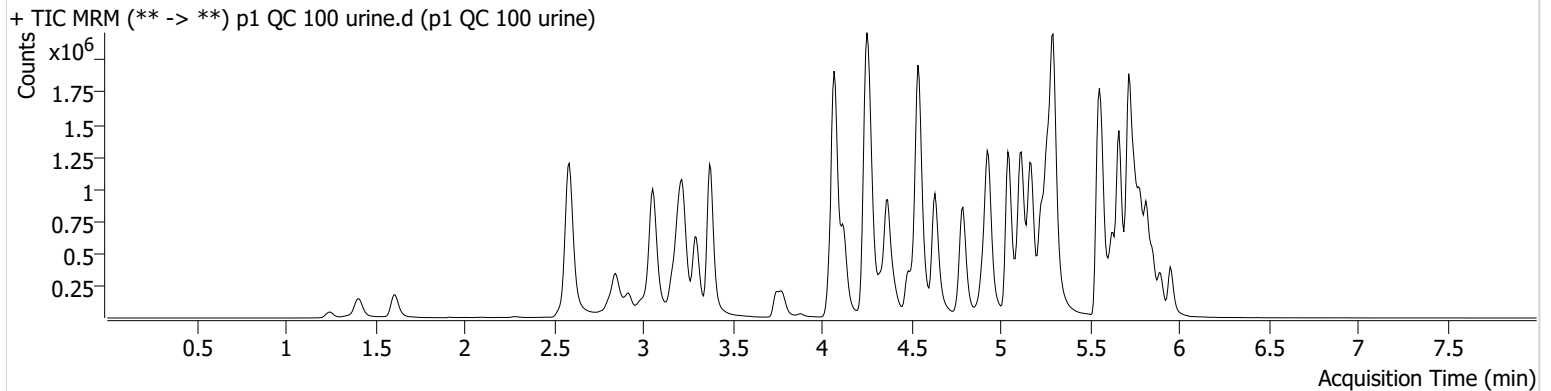


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 AM

**Instrument** Falco (069901) **Data File** p1 QC 100 urine.d  
**Type** QC **Sample** p1 QC 100 urine  
**Acq. Method** AM 28 P1 Updated 082522.m **Operator** Sarah Collins  
**Sample Position** P6-D8 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2022 3:50:28 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	19747	32141.20	69.0	10815.05	44243	10.6393 ng/ml
7-aminoclonazepam	4.265	271205	4276.48	71.5	2475.92	121164	103.3828 ng/ml
a-hydroxyalprazolam	5.695	113762	450.14	70.5	2009.72	153428	96.2485 ng/ml
alpha-PHP	4.935	310939	4042.37	261.3	2367.60	460114	102.9496 ng/ml
alpha-PVP	4.370	1253969	711.70	51.1	∞	460114	97.9455 ng/ml
Alprazolam	5.772	485370	596.54	104.9	1292.20	153428	103.0477 ng/ml
Amphetamine	3.057	1941916	1679.07	44.6	1329.55	206070	96.5625 ng/ml
Benzoylcegonine	3.884	22827	820.72	8.3	12.70	7564	107.5451 ng/ml
Buprenorphine	5.864	27755	1049.85	16.6	4701.16	98341	9.6583 ng/ml
Bupropion	4.792	1241296	985.13	71.4	648.56	369591	96.6958 ng/ml
Carisoprodol	5.727	350473	572828.02	64.3	645.91	139122	92.4476 ng/ml
Citalopram	5.225	1012201	9802.00	32.6	540.29	384178	104.0860 ng/ml
Clonazepam	5.607	329292	1119.82	35.4	6266.27	44170	109.9134 ng/ml
Clonazepam	5.551	286294	1579.10	37.1	3012.80	44170	145.8922 ng/ml
Cocaine	4.271	785241	488.35	57.4	9388.70	668103	99.6806 ng/ml
Codeine	2.586	93394	264.96	100.4	892.75	44416	111.1881 ng/ml
Cyclobenzaprine	5.631	725113	689.64	8.5	99.91	288947	99.8630 ng/ml
Dextromethorphan	5.275	544461	3902.33	81.9	3101.94	241469	101.6313 ng/ml
Dextrophan	4.124	335128	1400.11	198.3	2334.79	347563	100.3743 ng/ml
Diazepam	5.951	340086	2320.14	86.6	306.11	144671	104.5525 ng/ml
Dihydrocodeine	2.565	243277	20392.17	68.8	4873.78	152531	104.0056 ng/ml
Diphenhydramine	5.296	2574860	50972.01	30.8	15187.20	1294467	97.9019 ng/ml
Doxylamine	4.538	2489025	36958.39	93.6	22425.94	1062632	103.0398 ng/ml
EDDP	5.261	943732	57667.54	42.5	343.09	475951	98.4093 ng/ml
Etizolam	5.817	254342	6360.75	27.7	2958.35	44170	139.1267 ng/ml
Fentanyl	5.108	89854	2585.64	66.6	133.41	486144	10.5224 ng/ml
Flualprazolam	5.701	171091	8655.93	106.6	2719.56	153428	111.2977 ng/ml
Fluoxetine	5.717	1070724	243.44	7.4	416.36	344877	97.5799 ng/ml
Hydrocodone	3.026	360763	234.34	39.1	697.73	205141	101.1289 ng/ml
Hydromorphone	1.615	297830	1682.23	79.2	851497.64	88054	103.9866 ng/ml
Ketamine	4.057	779611	4208.06	34.3	396.19	306255	101.7718 ng/ml
Lamotrigine	4.287	61140	650.31	90.2	446.69	306255	99.6846 ng/ml
Lorazepam	5.743	305816	2112.71	55.6	421.86	44170	106.6065 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	1144102	5625.40	30.3	896.60	256487	103.9583 ng/ml
MDMA	3.298	810948	6973.64	89.6	1583.25	75042	103.1115 ng/ml
Meprobamate	4.901	243557	1951.06	29.2	306.60	155267	108.3271 ng/ml
Methadone	5.662	1526893	1943.24	52.9	19363.58	530428	99.4030 ng/ml
Methamphetamine	3.226	1422977	1240.40	38.3	3336.94	706917	100.3289 ng/ml
Metoprolol	4.327	227181	2437.16	102.1	2654.25	874170	100.4246 ng/ml
Mirtazapine	4.634	1612039	2106.04	55.3	4633.07	460114	99.8285 ng/ml
Mitragynine	5.243	335823	2098.63	36.0	71595.53	530428	103.9299 ng/ml
Morphine	1.247	41549	606.22	29.5	166.26	5717	96.4172 ng/ml
Norbuprenorphine	4.997	3520	10193.13	96.9	27.51	16262	9.6042 ng/ml
Nordiazepam	5.897	318077	4158.15	56.2	3936.18	96303	104.7155 ng/ml
Norfentanyl	4.085	195343	488.63	35.9	∞	664422	9.9093 ng/ml
Norhydrocodone	3.074	50585	744.23	38.6	119.99	39906	97.8133 ng/ml
Noroxycodone	2.917	335296	579.61	49.2	4723.74	94827	101.8273 ng/ml
O-desmethyl-tramadol	3.379	1956276	21739.03	5.9	587.30	992307	100.7816 ng/ml
Oxazepam	5.753	423782	∞	71.3	203.96	210768	102.1791 ng/ml
Oxycodone	2.842	709478	1031.45	31.1	875.82	278414	103.1566 ng/ml
Oxymorphone	1.405	316748	1003.80	47.9	402.81	95929	97.2304 ng/ml
Phentermine	3.780	412196	2853.56	5.9	215.06	514890	110.2999 ng/ml
Promethazine	5.547	1824790	1172.51	31.9	2707.16	760662	100.0294 ng/ml
Pseudoephedrine	2.589	2153357	1372.29	17.0	11807.47	961116	100.0870 ng/ml
Quetiapine	5.564	1050263	986.53	59.0	338.71	140384	102.1408 ng/ml
Sertraline	5.786	334582	390.69	96.6	493.68	141260	93.5922 ng/ml
Temazepam	5.820	723178	1246.31	28.9	362.85	358967	98.9357 ng/ml
Tramadol	4.246	1835529	∞	3.7	292.73	874170	97.9819 ng/ml
Trazodone	5.168	1488812	1160.75	66.2	28847.96	431004	96.6322 ng/ml
Venlafaxine	5.042	1751311	730.27	34.9	664.57	953392	94.6367 ng/ml
Zolpidem	4.925	1627911	4172.44	28.9	1384.24	695411	104.4790 ng/ml

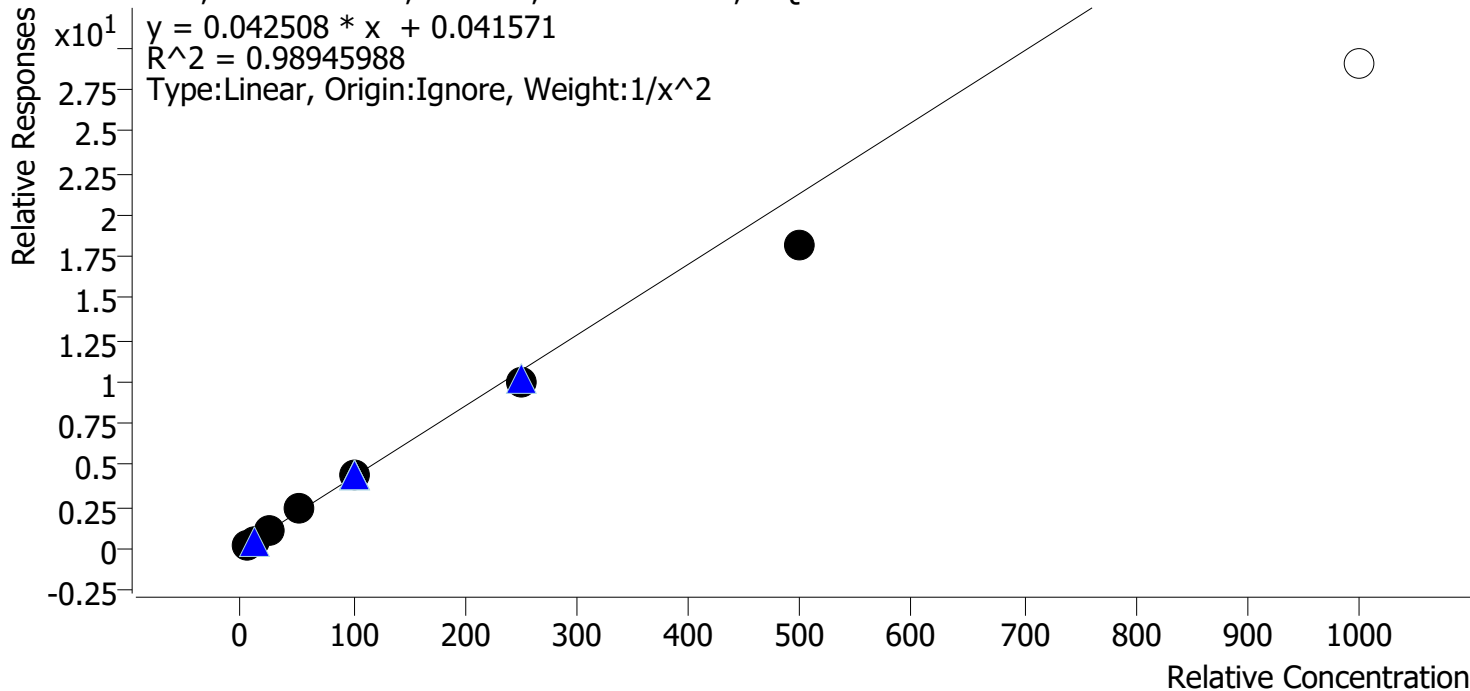
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

MDA - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



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	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.7
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	233.4	93.4
p1 Cal 7-500ng	7	✓	500.0	427.1	85.4
p1 Cal 8-1000ng	8	✗	1000.0	682.6	68.3

Cal 8 dropped due to accuracy

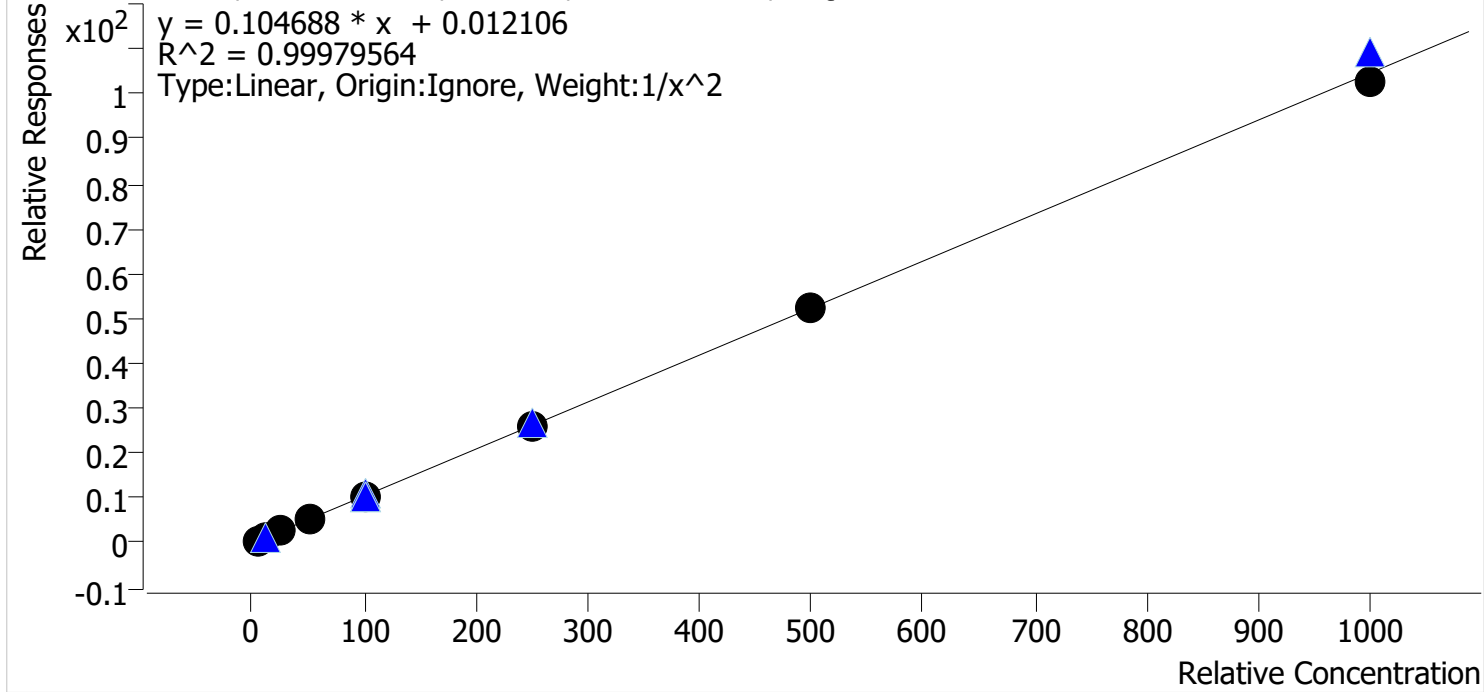
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

MDMA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	977.9	97.8

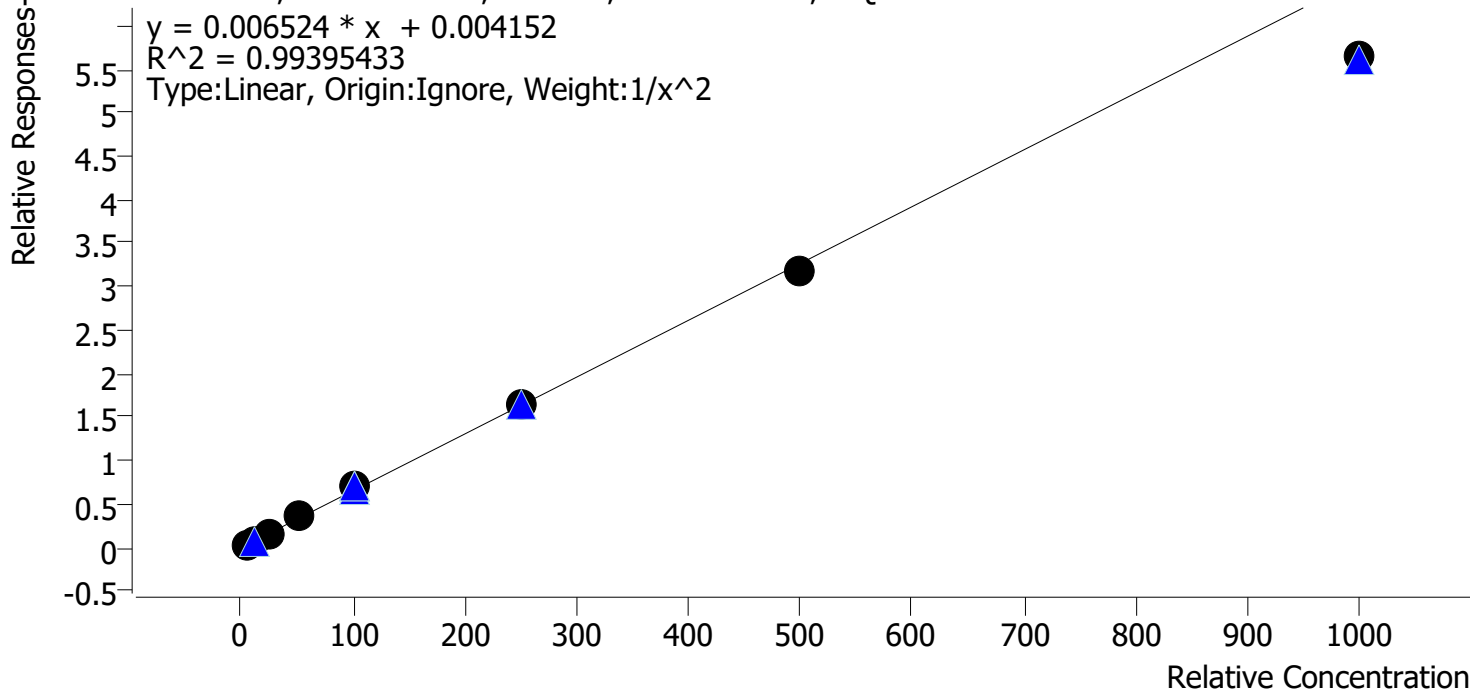
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	484.3	96.9
p1 Cal 8-1000ng	8	✓	1000.0	864.2	86.4

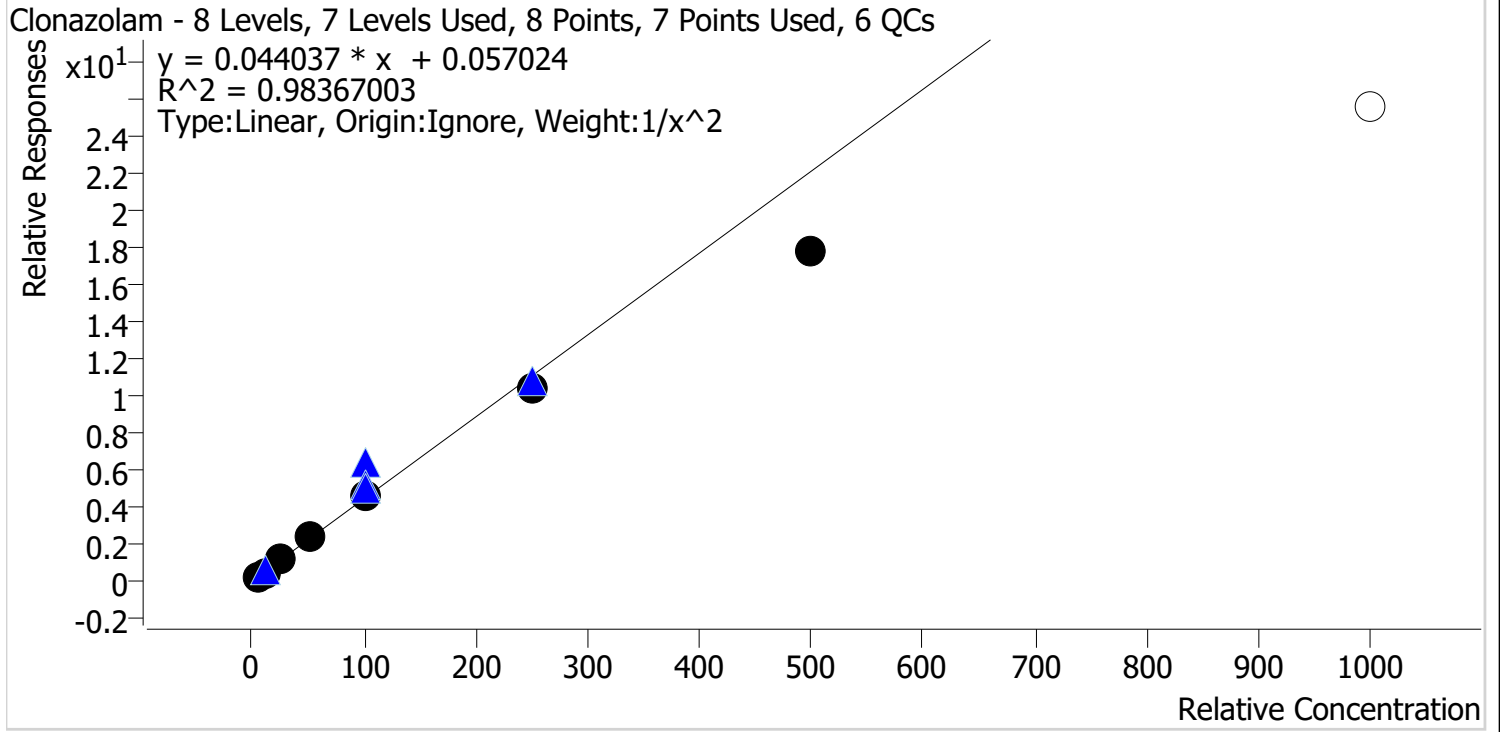


SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.8
p1 Cal 2-10ng	2	✓	10.0	10.6	106.3
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.5
p1 Cal 4-50ng	4	✓	50.0	55.1	110.1
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	236.1	94.4
p1 Cal 7-500ng	7	✓	500.0	403.3	80.7
p1 Cal 8-1000ng	8	✗	1000.0	578.1	57.8

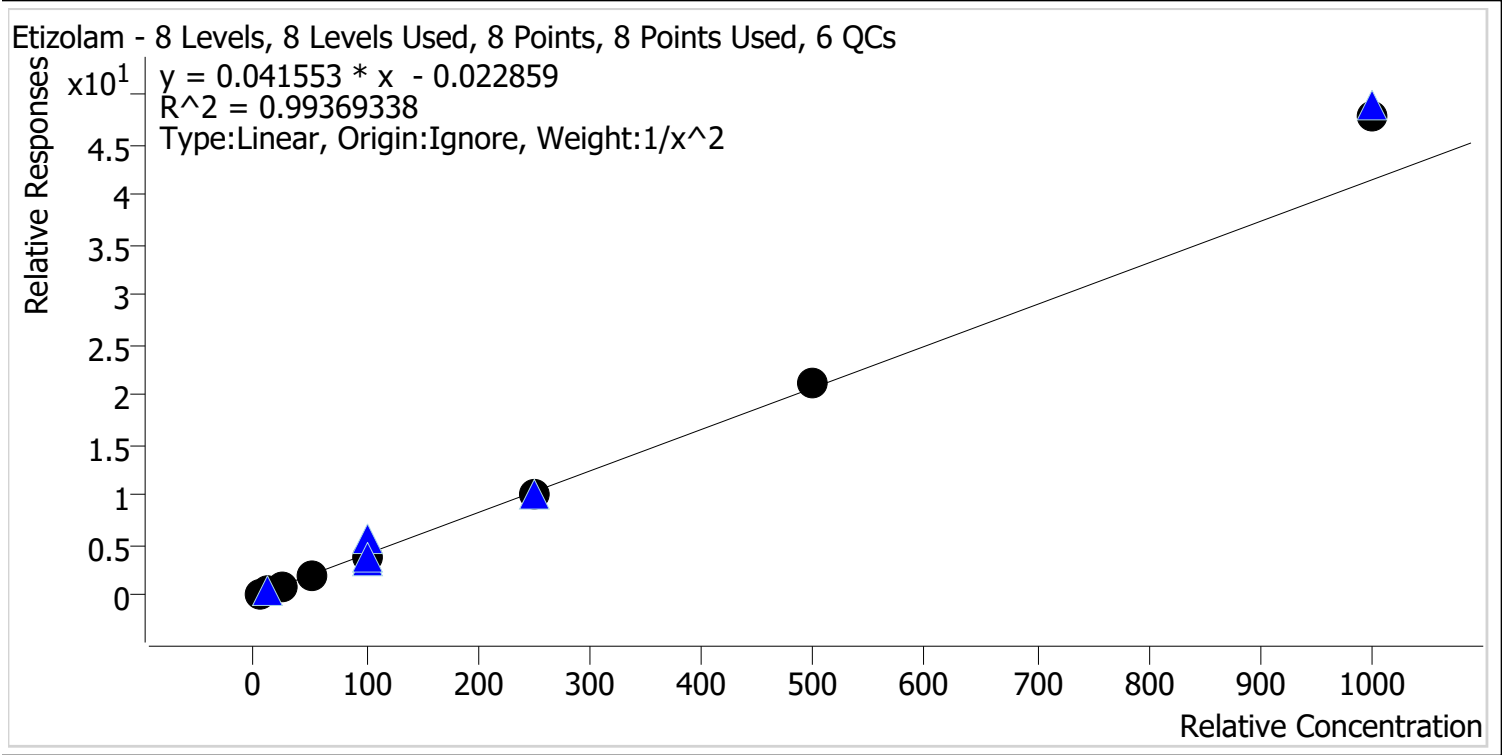
Cal 8 dropped due to accuracy

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4



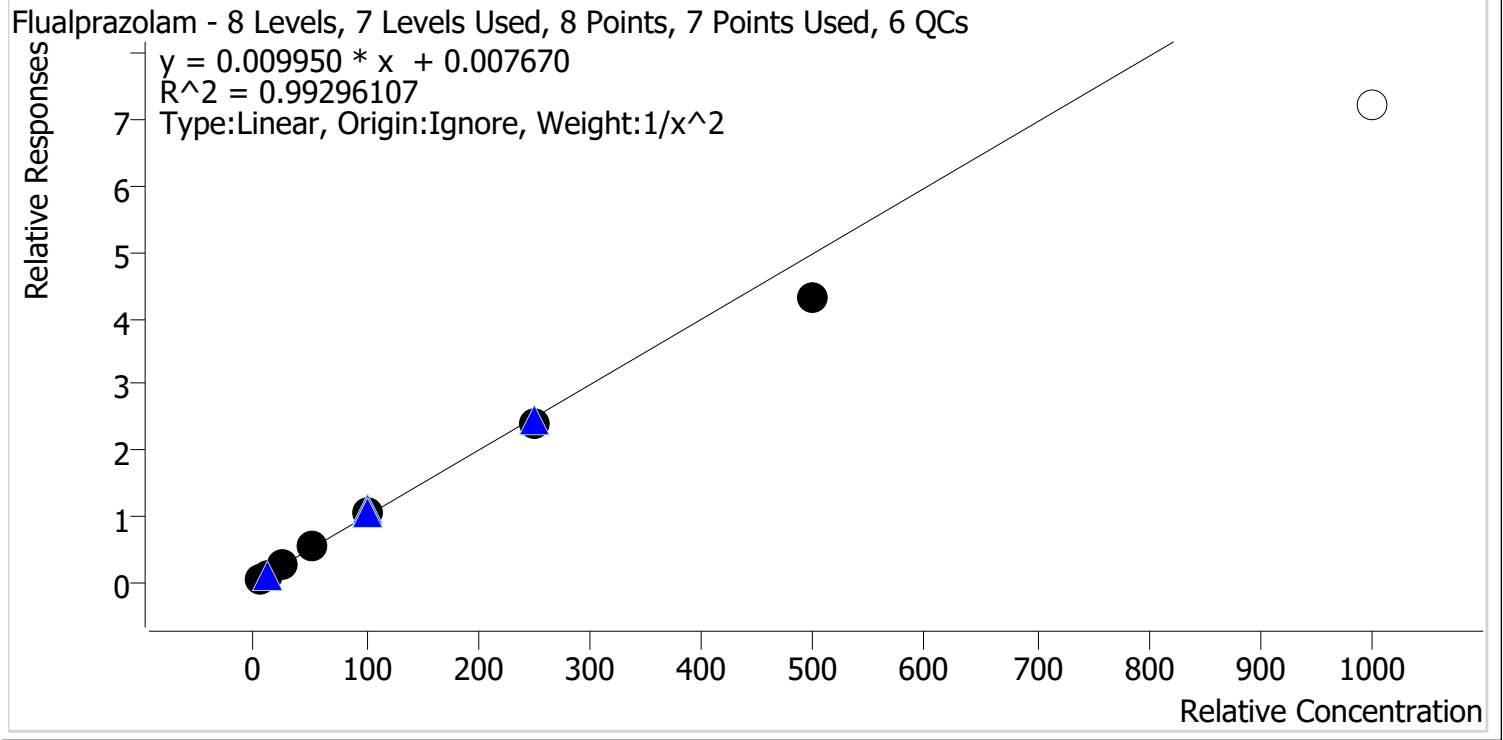
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	92.7	92.7
p1 Cal 6-250ng	6	✓	250.0	245.1	98.0
p1 Cal 7-500ng	7	✓	500.0	510.8	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1149.9	115.0

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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	96.9
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	241.3	96.5
p1 Cal 7-500ng	7	✓	500.0	433.9	86.8
p1 Cal 8-1000ng	8	✗	1000.0	726.3	72.6

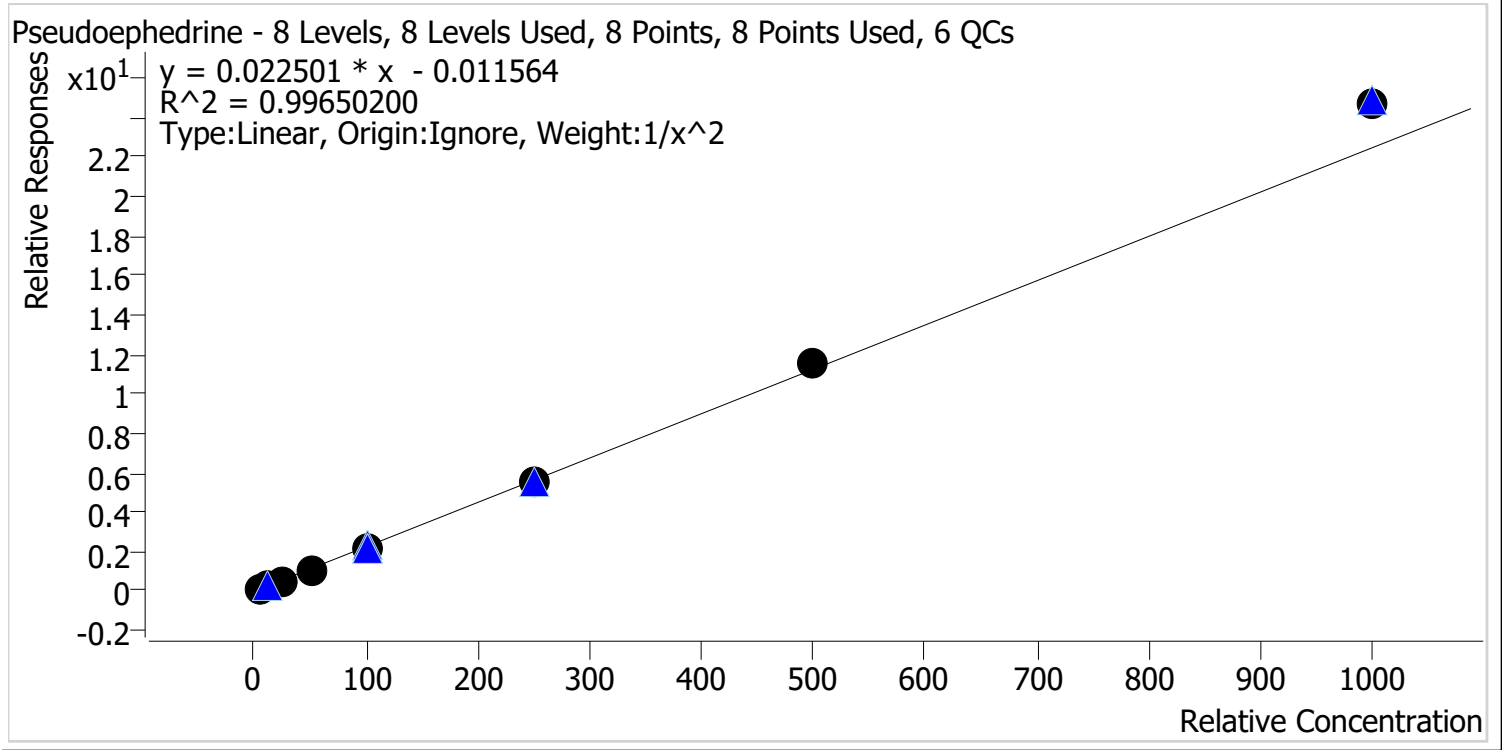
Cal 8 dropped due to accuracy

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	47.3	94.7
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	516.5	103.3
p1 Cal 8-1000ng	8	✓	1000.0	1102.2	110.2

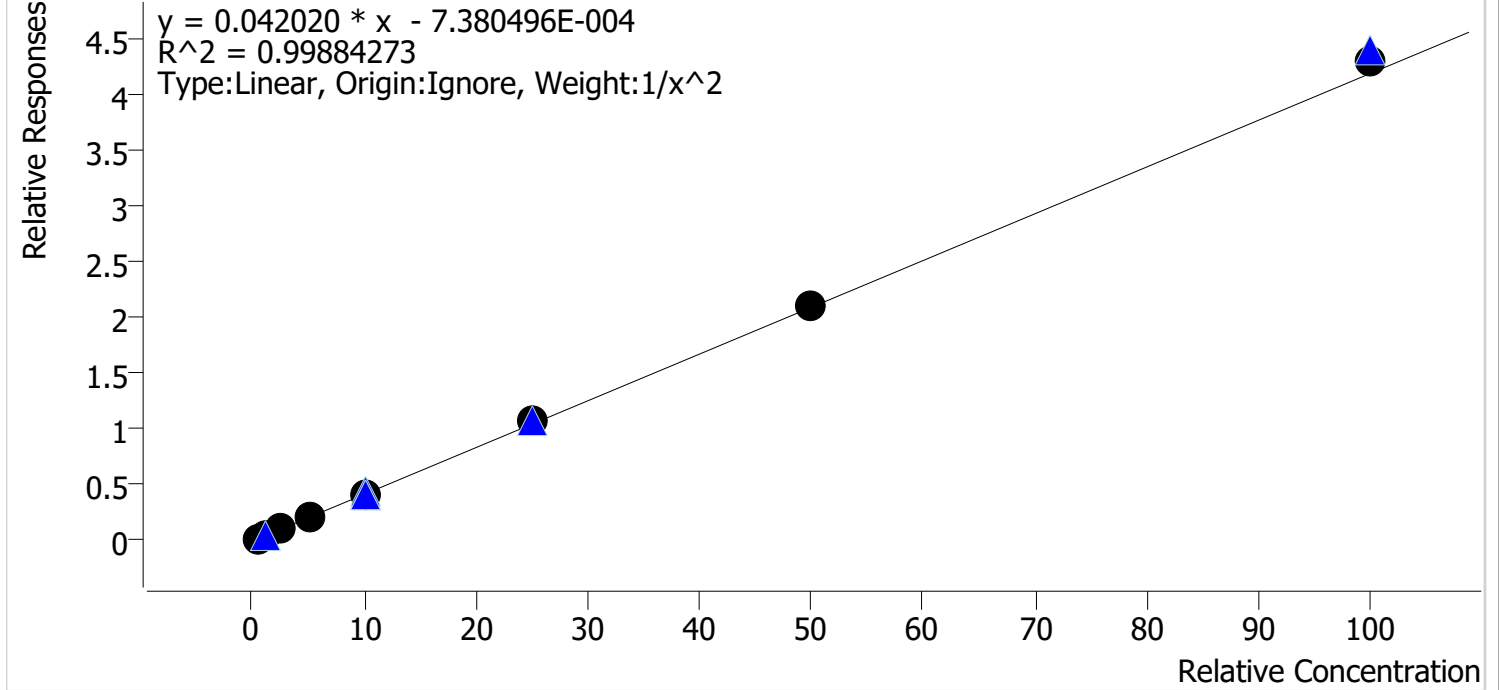
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.5
p1 Cal 2-10ng	2	✓	1.0	1.0	95.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.5
p1 Cal 4-50ng	4	✓	5.0	4.8	96.3
p1 Cal 5-100ng	5	✓	10.0	9.8	98.5
p1 Cal 6-250ng	6	✓	25.0	25.9	103.4
p1 Cal 7-500ng	7	✓	50.0	50.5	100.9
p1 Cal 8-1000ng	8	✓	100.0	103.0	103.0

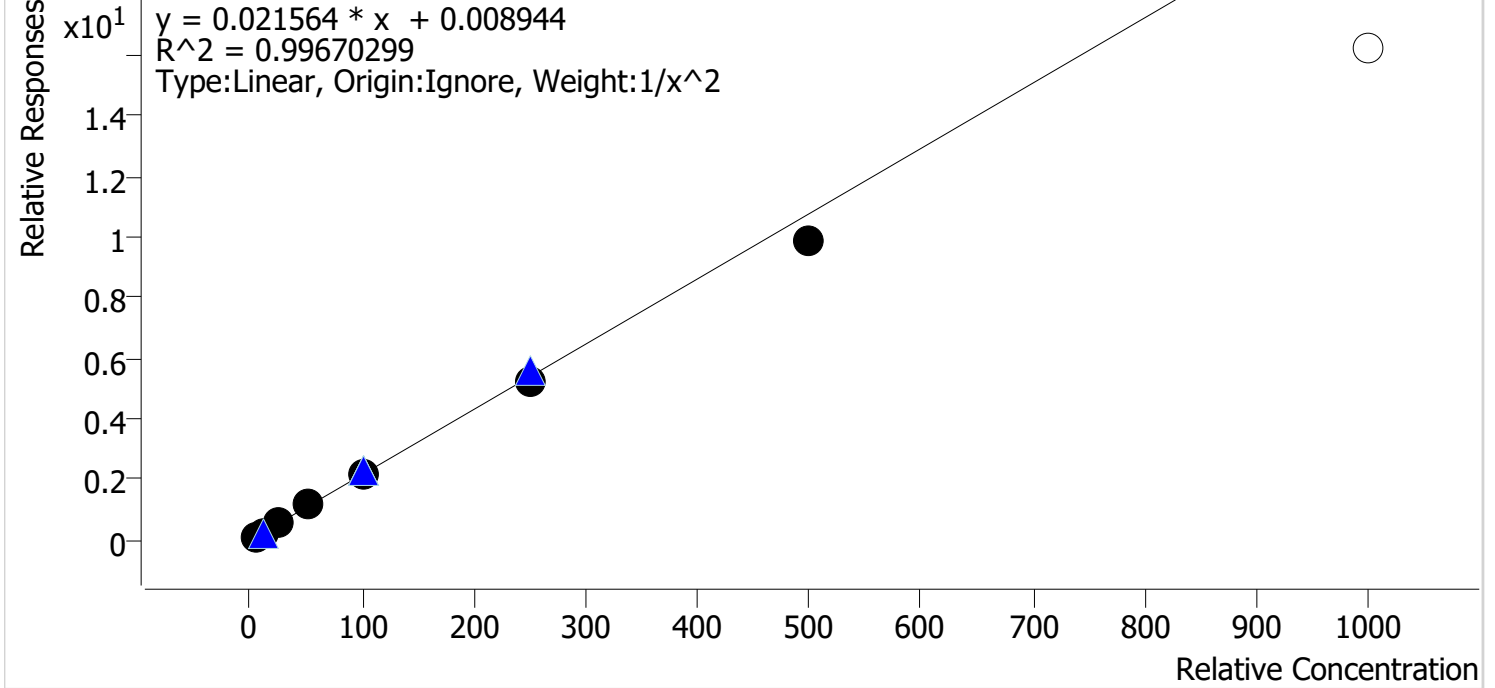
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.2
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	241.9	96.8
p1 Cal 7-500ng	7	✓	500.0	459.6	91.9
p1 Cal 8-1000ng	8	✗	1000.0	752.9	75.3

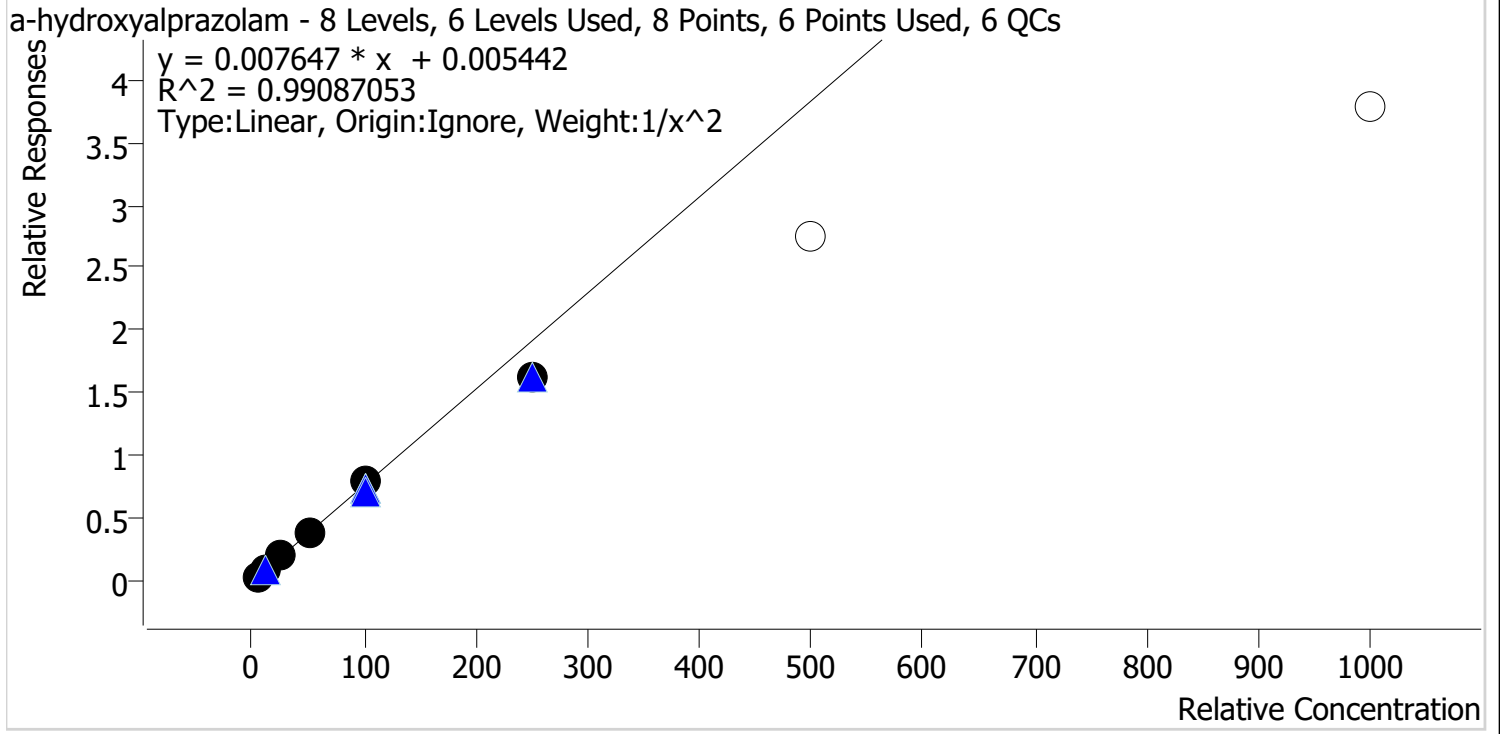
Cal 8 dropped due to accuracy

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	213.9	85.6
p1 Cal 7-500ng	7	x	500.0	358.7	71.7
p1 Cal 8-1000ng	8	x	1000.0	494.3	49.4

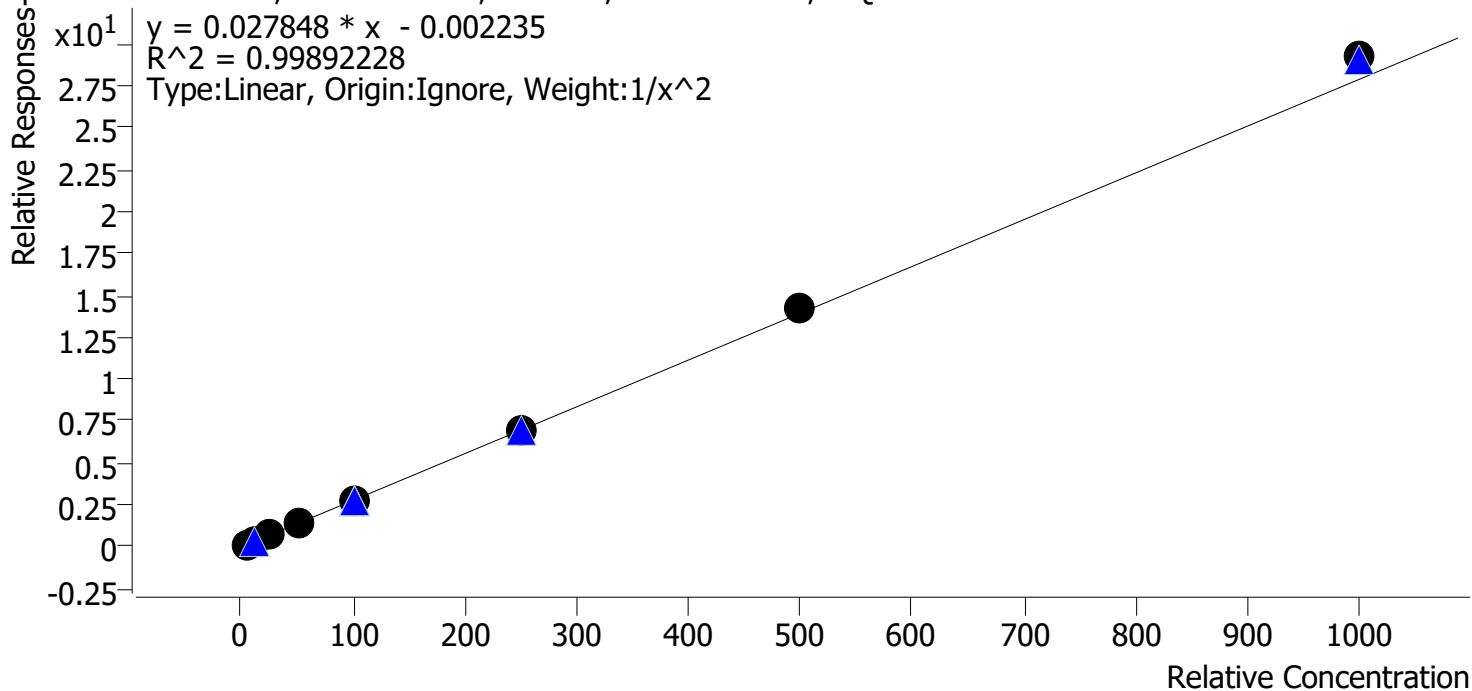
Cal 7 and 8 dropped due to accuracy



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	48.9	97.9
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	512.0	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1048.7	104.9



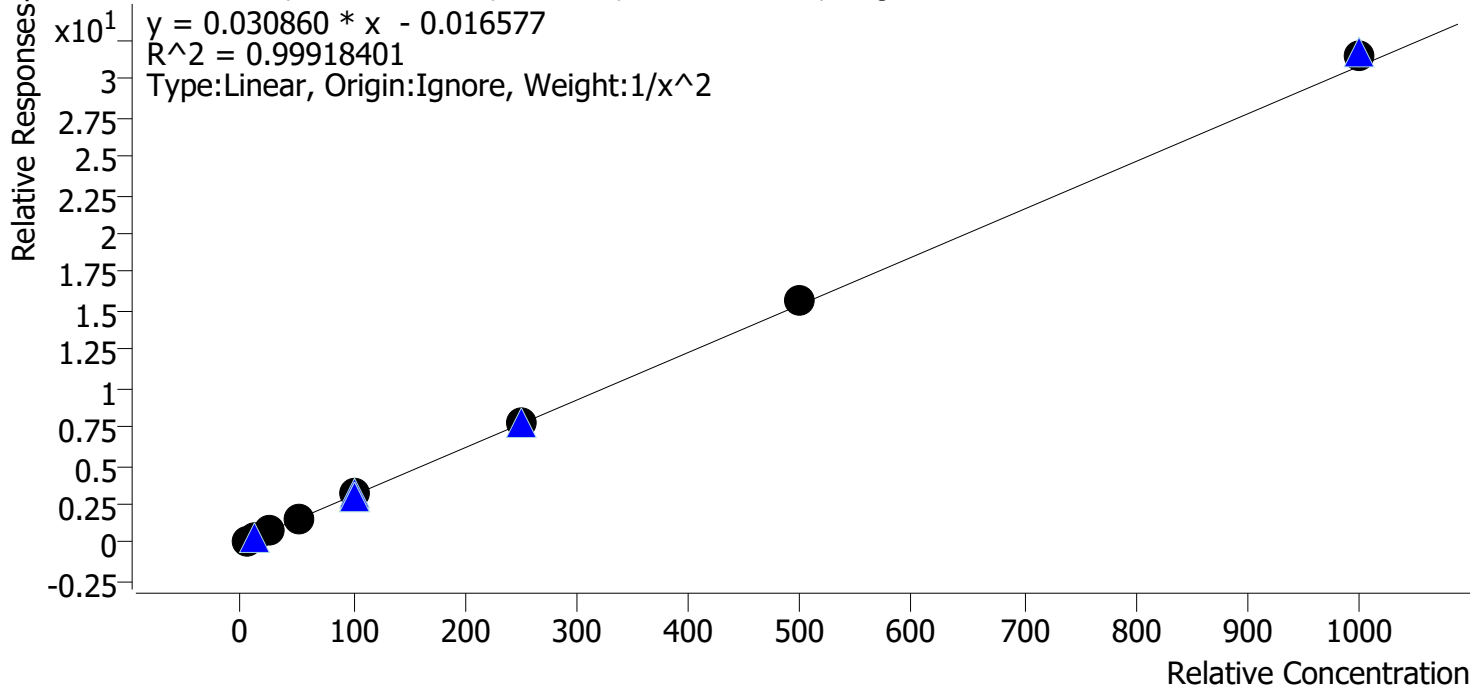
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 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	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	510.3	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1023.0	102.3

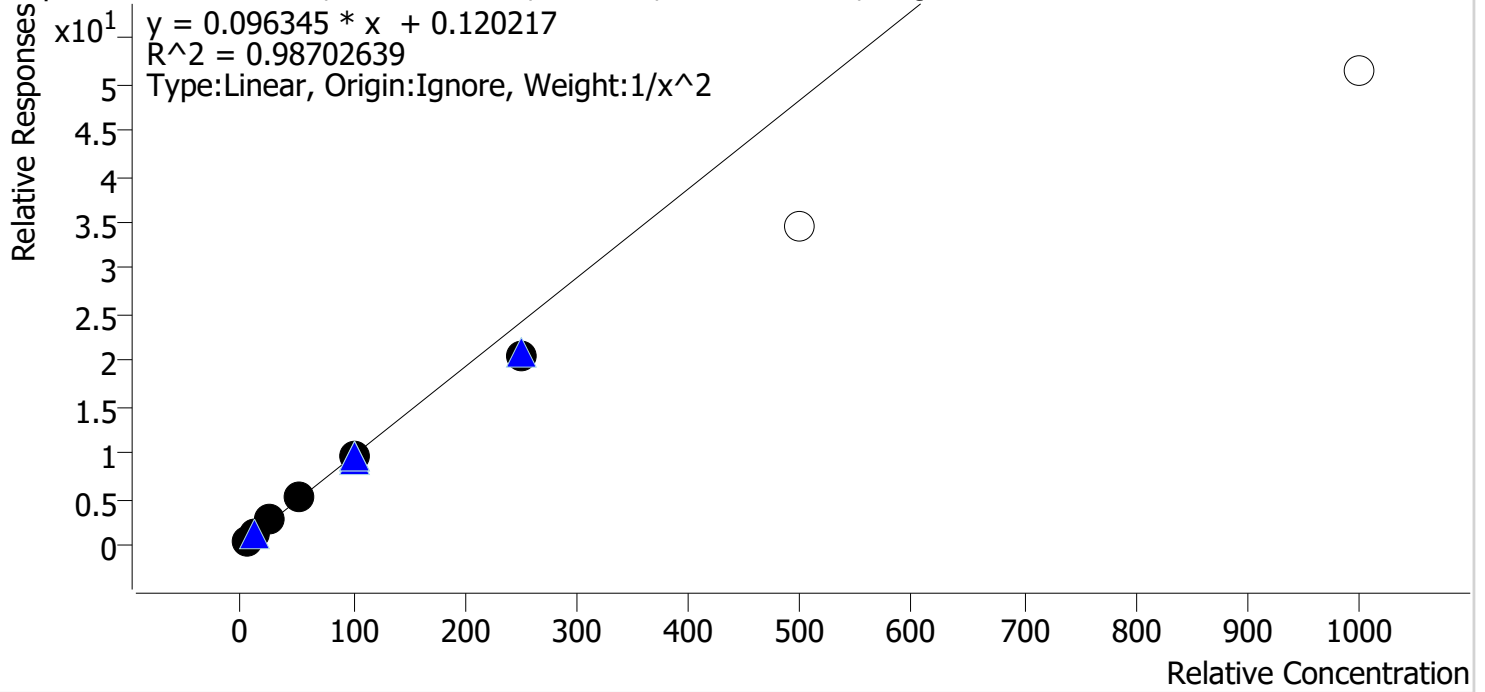
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 6 QCs



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	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.4
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	210.7	84.3
p1 Cal 7-500ng	7	x	500.0	358.1	71.6
p1 Cal 8-1000ng	8	x	1000.0	531.0	53.1

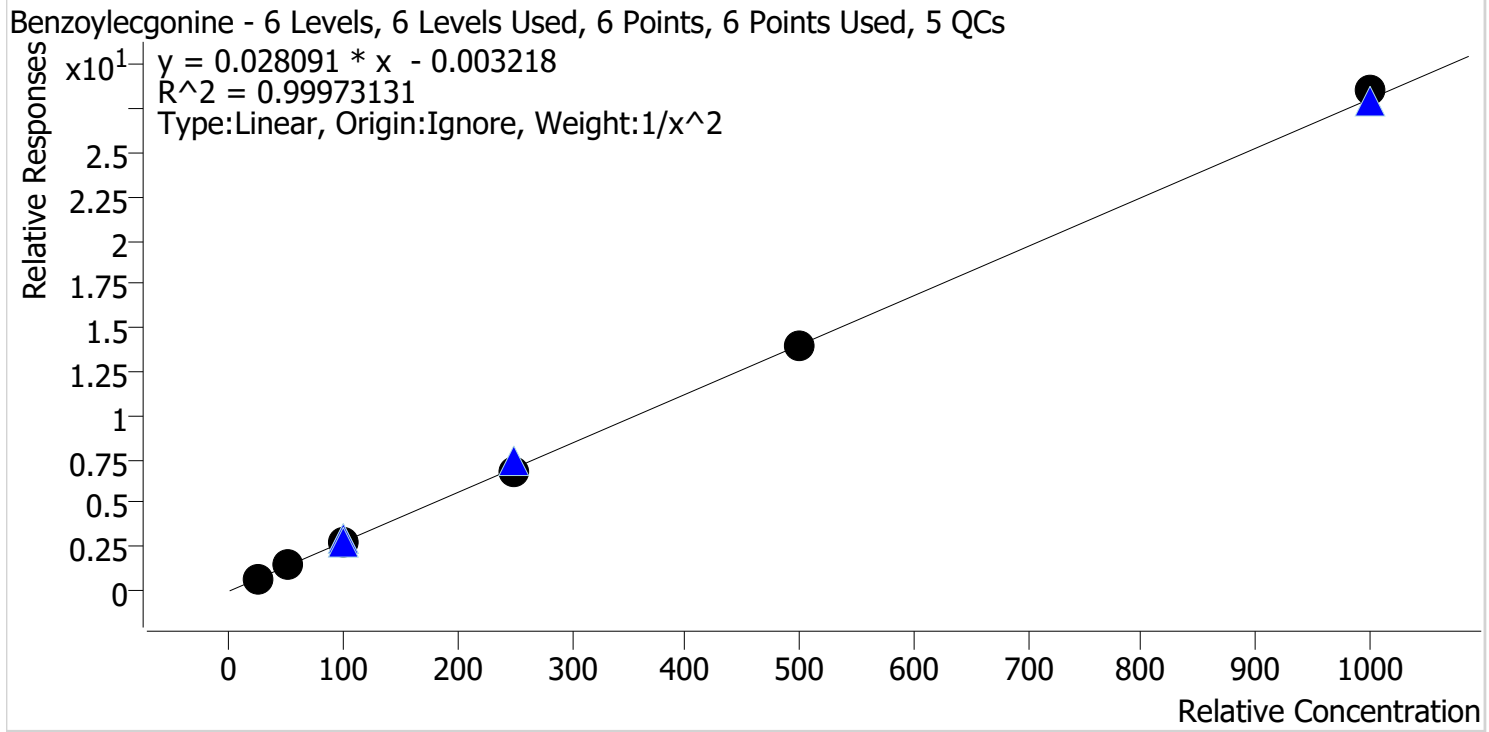
Cal 7 and 8 dropped due to accuracy

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1016.8	101.7

Cal 1 and 2 dropped due to ratio out on QC 10

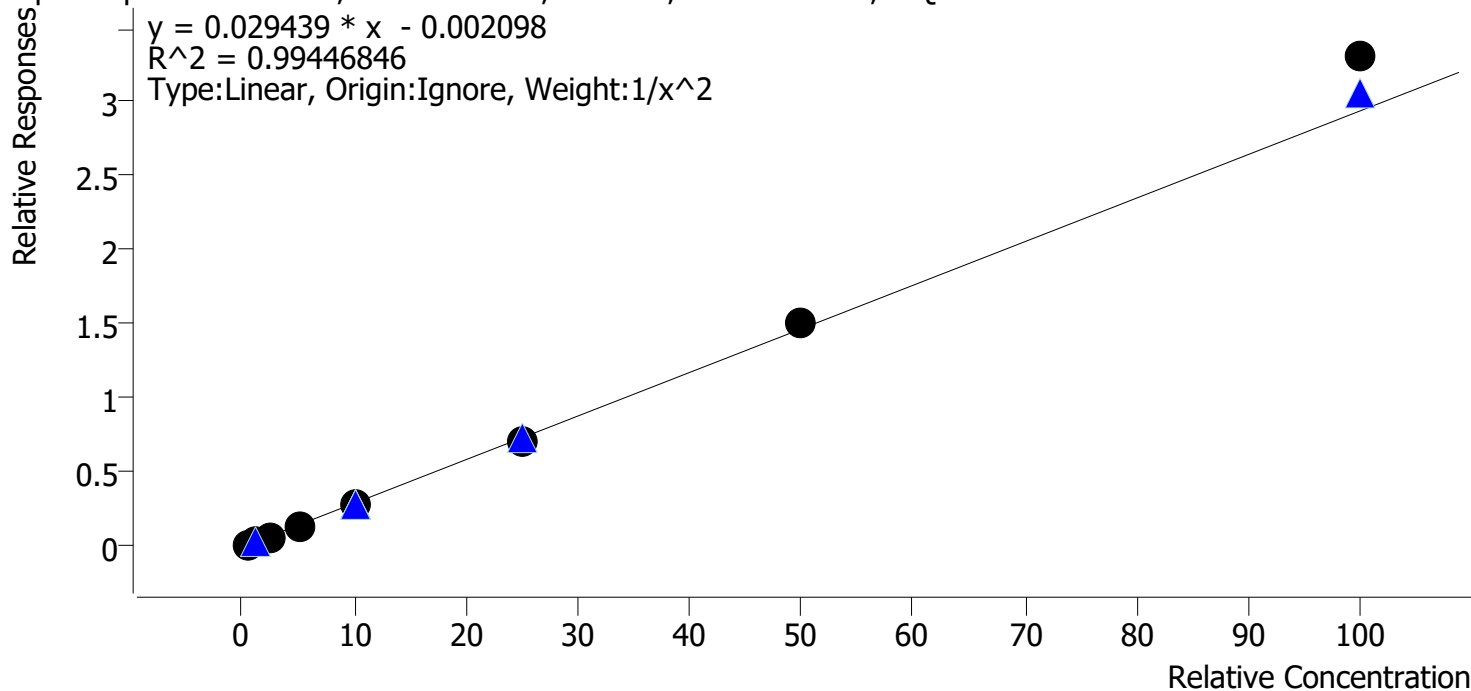
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

Buprenorphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



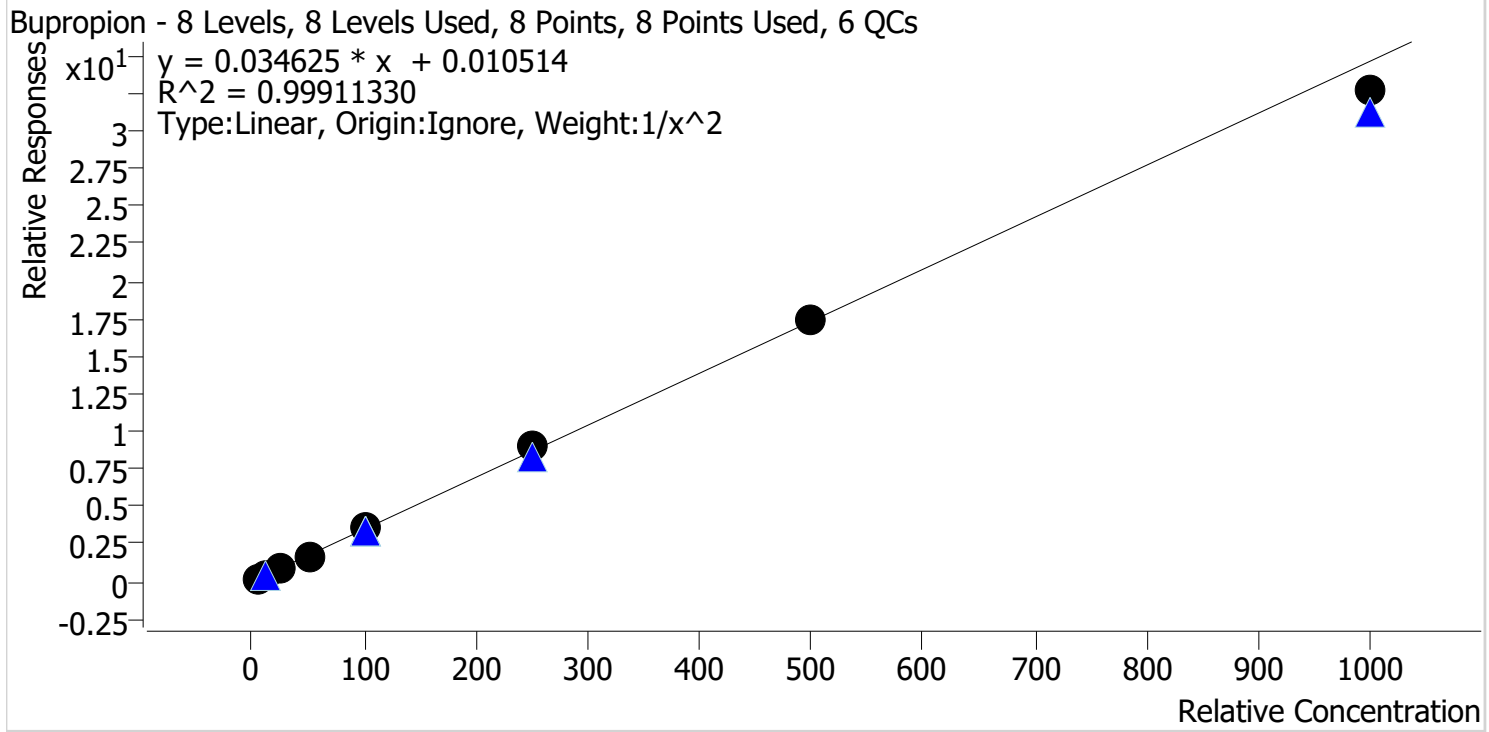
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.6
p1 Cal 2-10ng	2	✓	1.0	1.0	104.5
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.5
p1 Cal 4-50ng	4	✓	5.0	4.6	91.7
p1 Cal 5-100ng	5	✓	10.0	9.6	96.1
p1 Cal 6-250ng	6	✓	25.0	24.4	97.6
p1 Cal 7-500ng	7	✓	50.0	51.3	102.6
p1 Cal 8-1000ng	8	✓	100.0	112.5	112.5

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



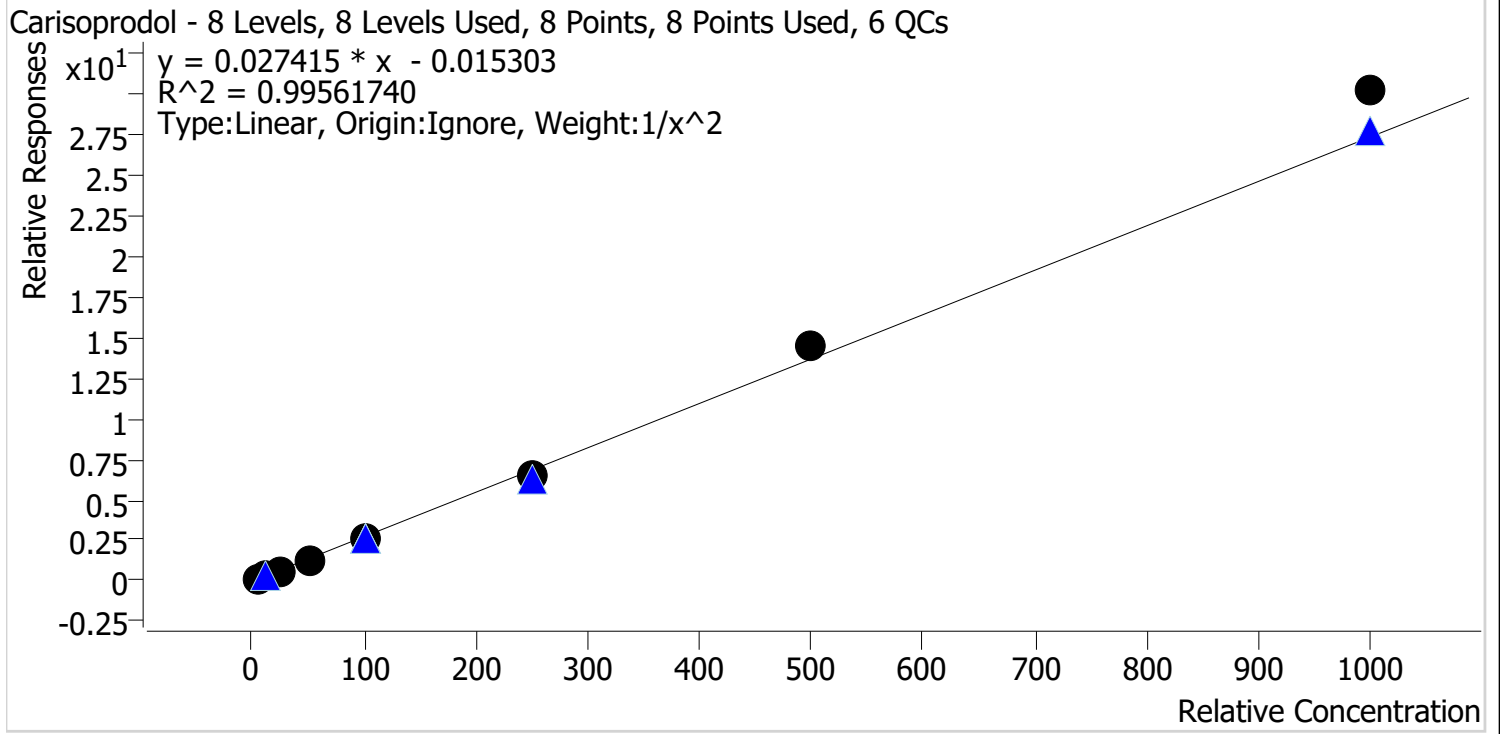
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	943.4	94.3

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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	102.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.2
p1 Cal 4-50ng	4	✓	50.0	47.3	94.7
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	240.9	96.4
p1 Cal 7-500ng	7	✓	500.0	528.1	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1104.6	110.5

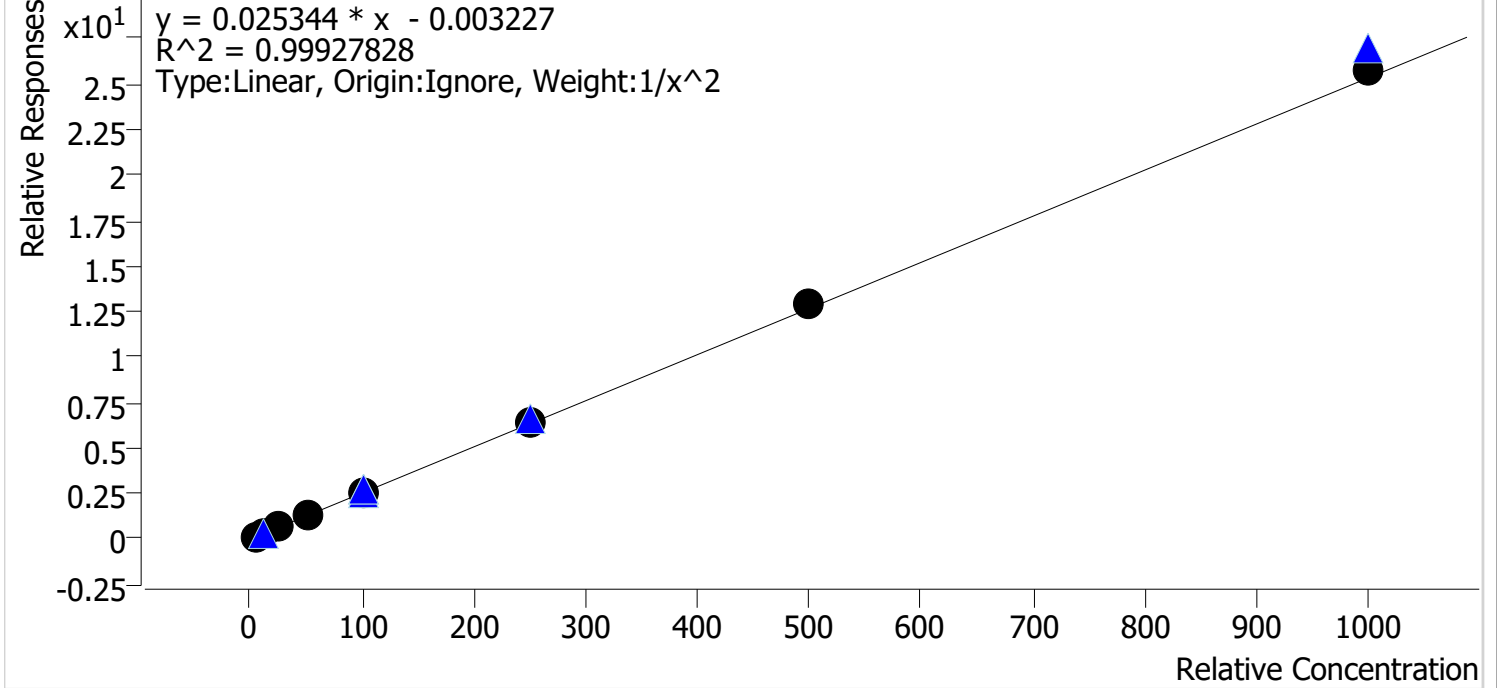
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	509.4	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1020.7	102.1

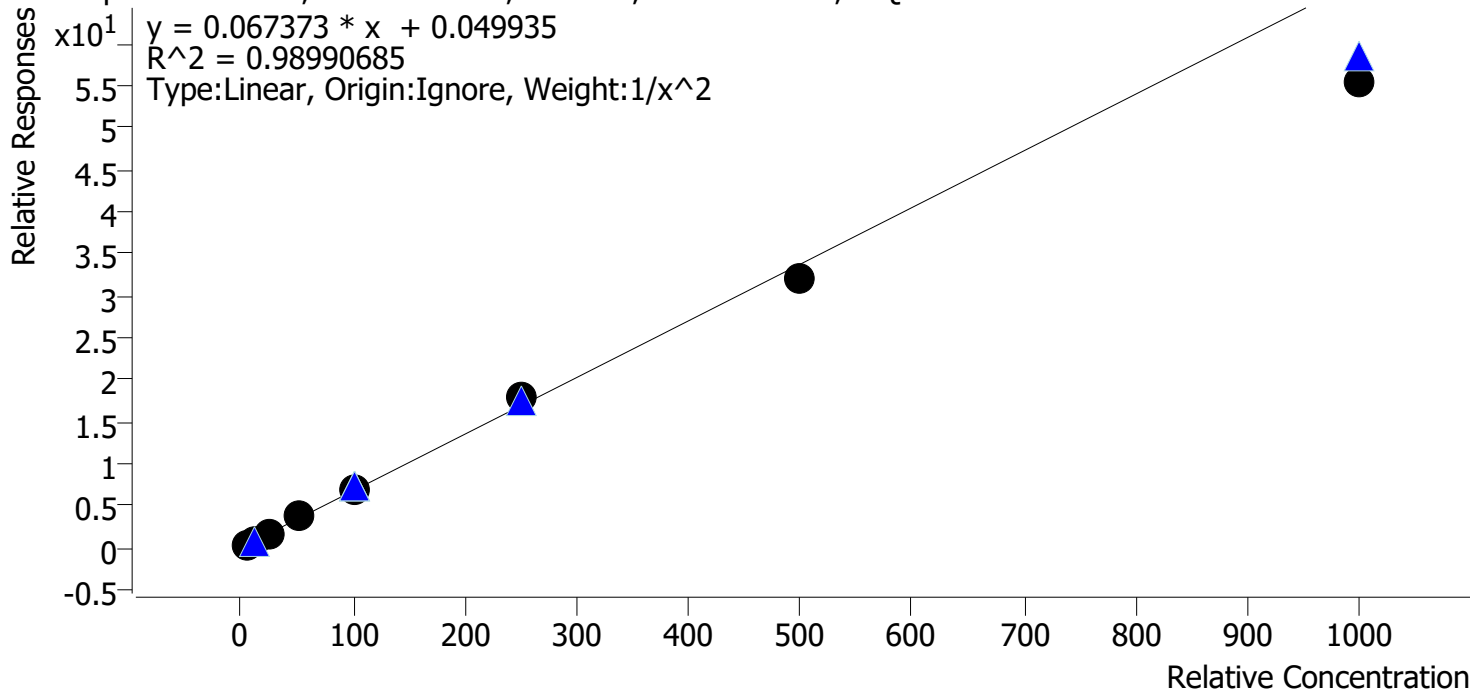
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

Clonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



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	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	264.5	105.8
p1 Cal 7-500ng	7	✓	500.0	472.3	94.5
p1 Cal 8-1000ng	8	✓	1000.0	819.3	81.9



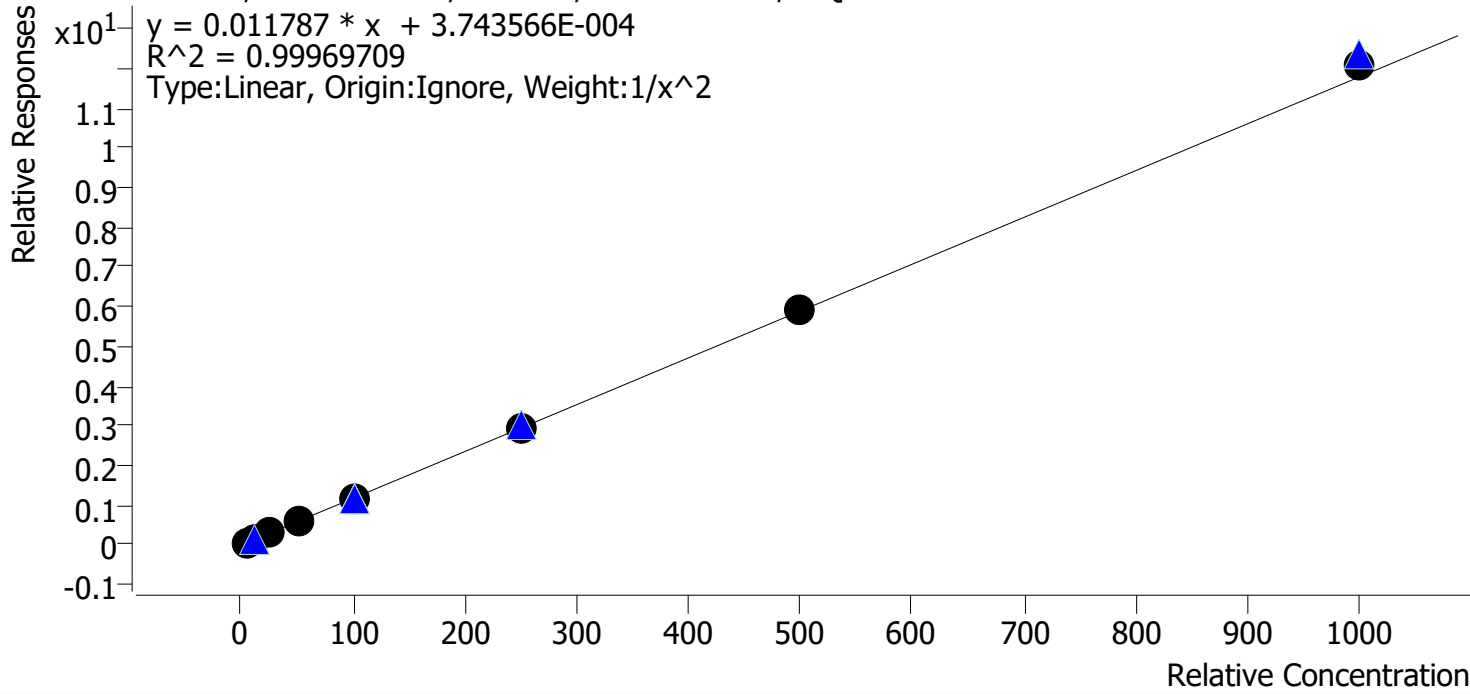
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



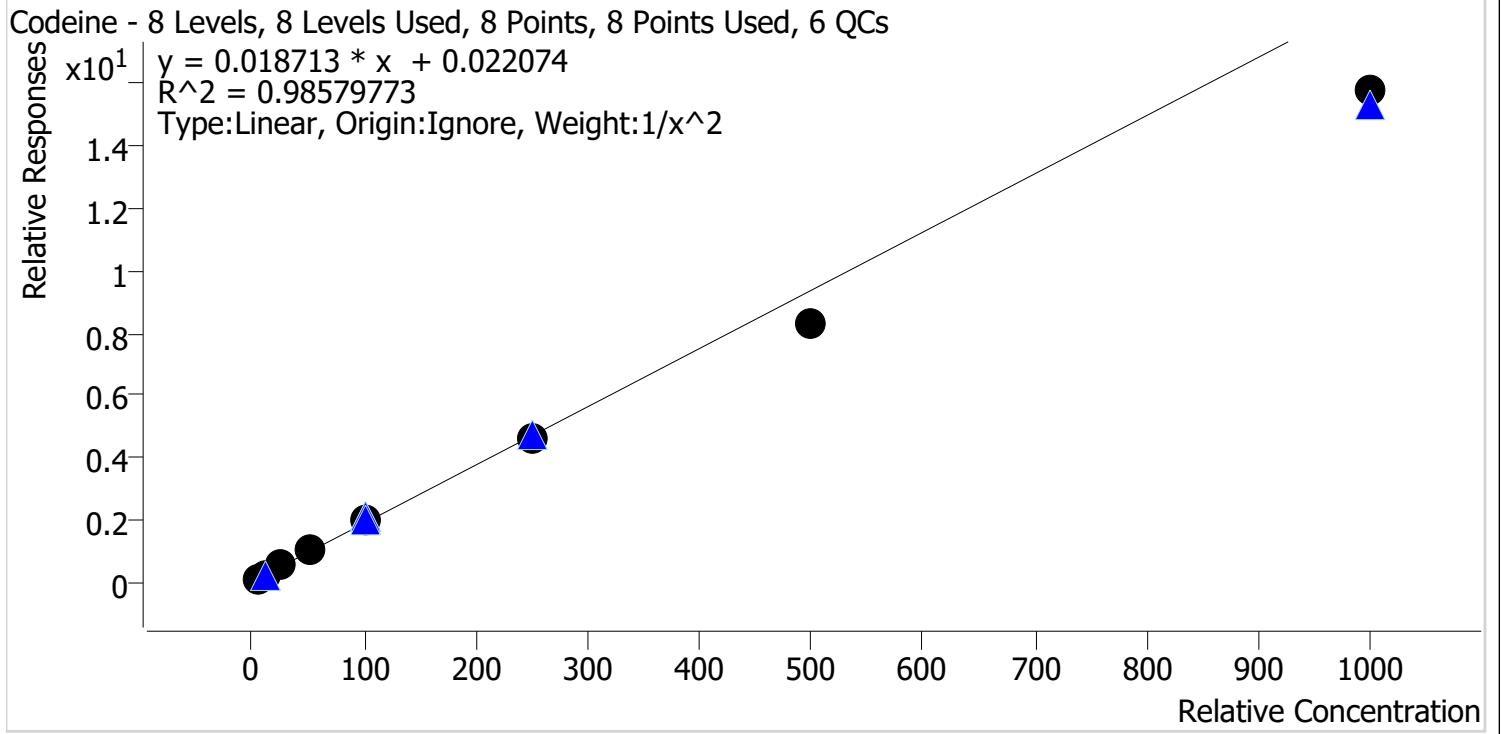
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	503.3	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1023.4	102.3

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



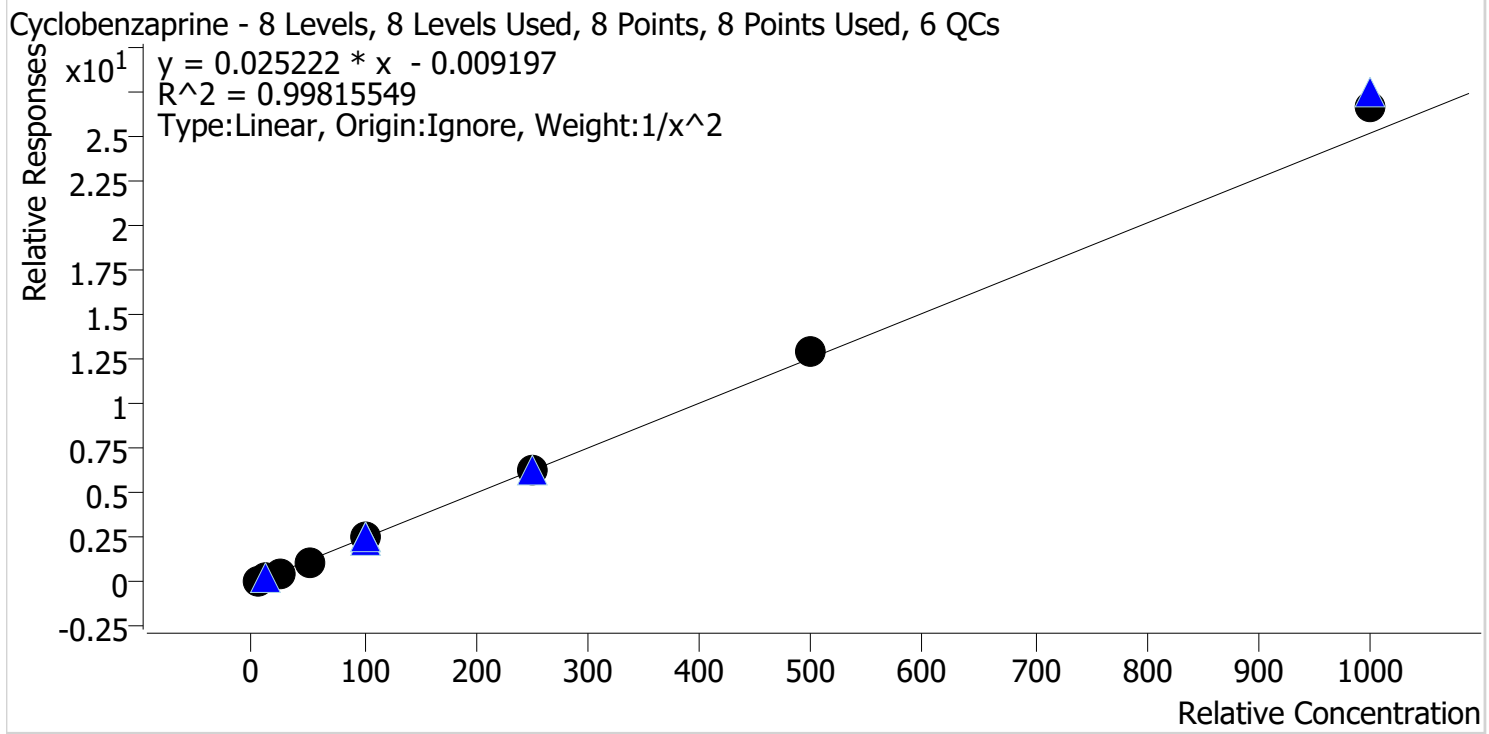
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.6
p1 Cal 2-10ng	2	✓	10.0	10.5	105.5
p1 Cal 3 -25ng	3	✓	25.0	28.1	112.4
p1 Cal 4-50ng	4	✓	50.0	55.6	111.2
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	244.4	97.7
p1 Cal 7-500ng	7	✓	500.0	445.5	89.1
p1 Cal 8-1000ng	8	✓	1000.0	842.9	84.3

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



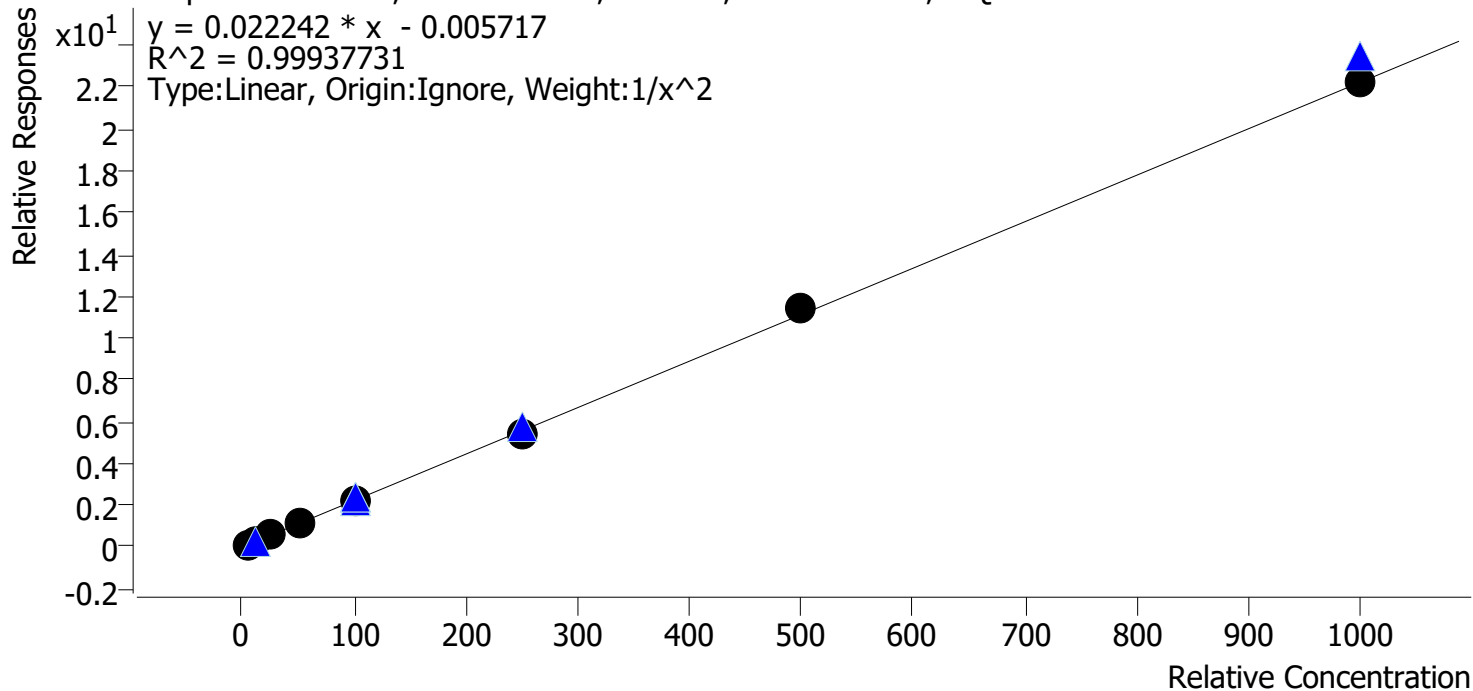
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	47.5	95.1
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	512.5	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1058.9	105.9



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



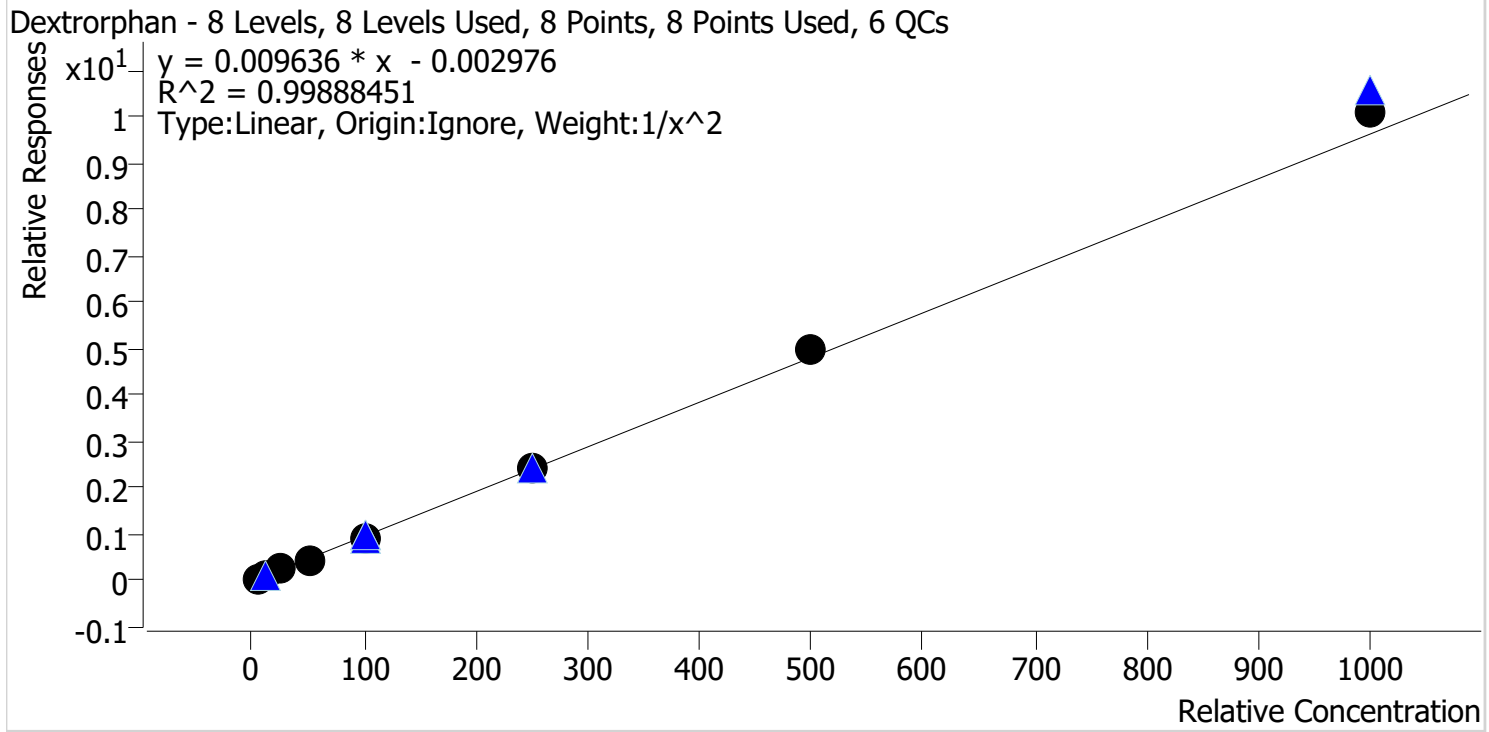
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	511.3	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1002.9	100.3

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3



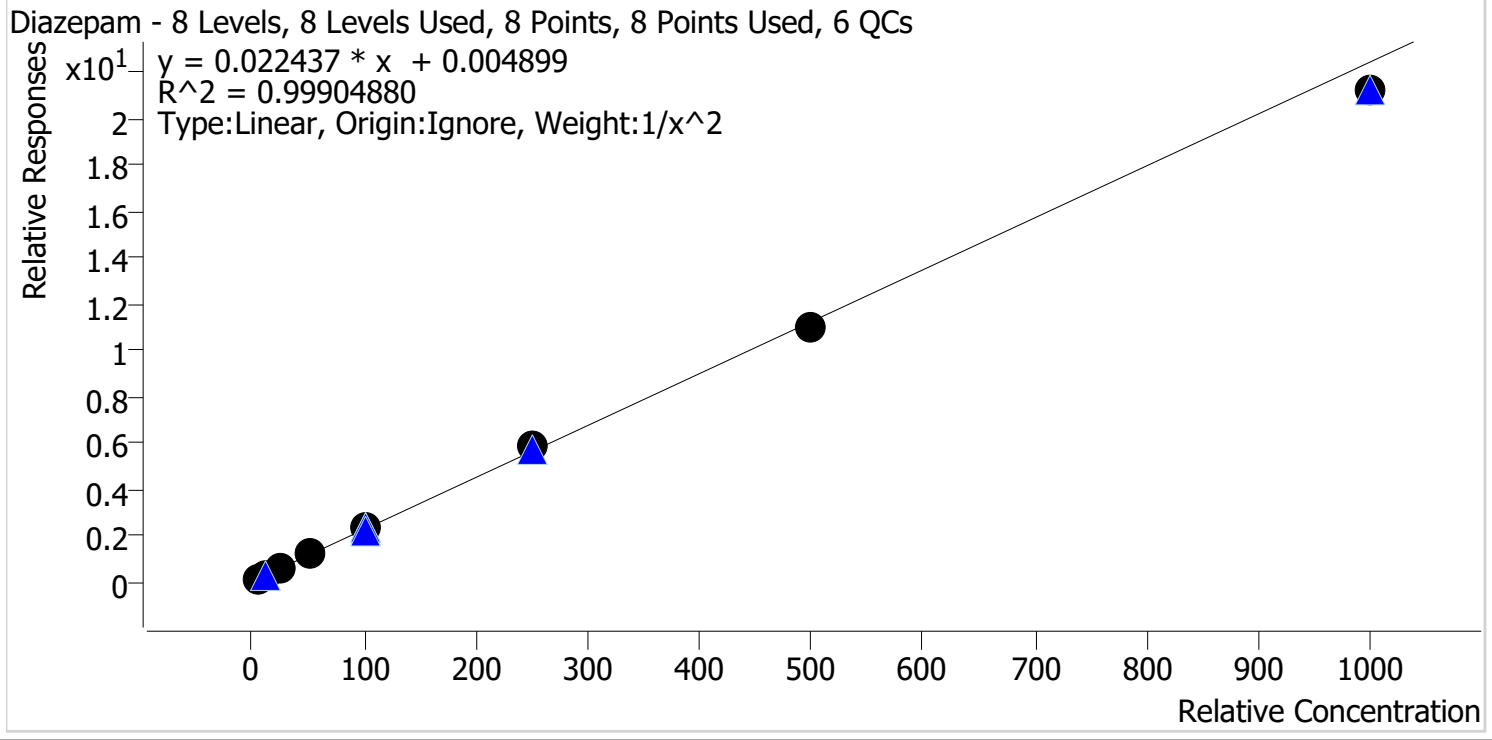
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	48.1	96.1
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	514.6	102.9
p1 Cal 8-1000ng	8	✓	1000.0	1049.2	104.9

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



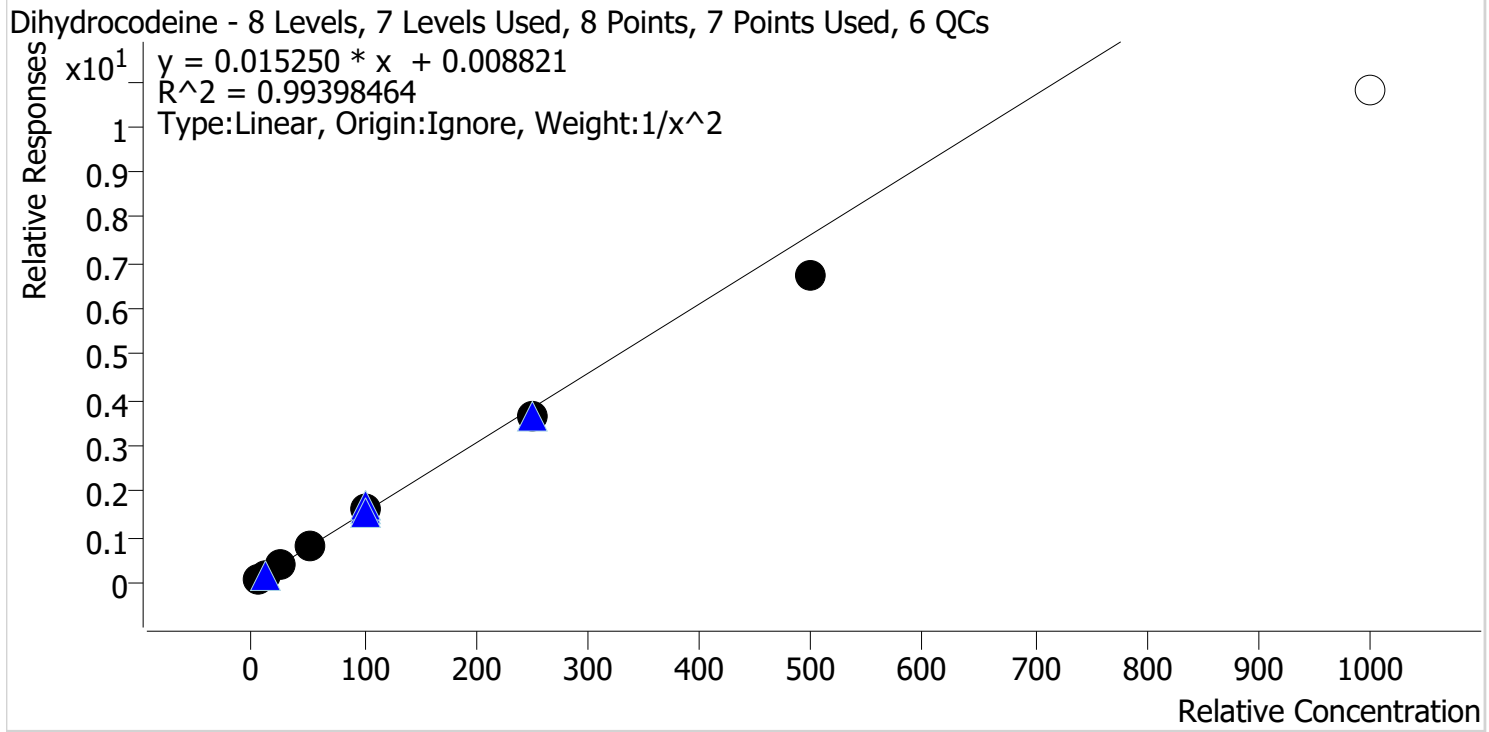
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	491.8	98.4
p1 Cal 8-1000ng	8	✓	1000.0	945.0	94.5

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	239.3	95.7
p1 Cal 7-500ng	7	✓	500.0	442.6	88.5
p1 Cal 8-1000ng	8	✗	1000.0	706.7	70.7

Cal 8 dropped due to accuracy

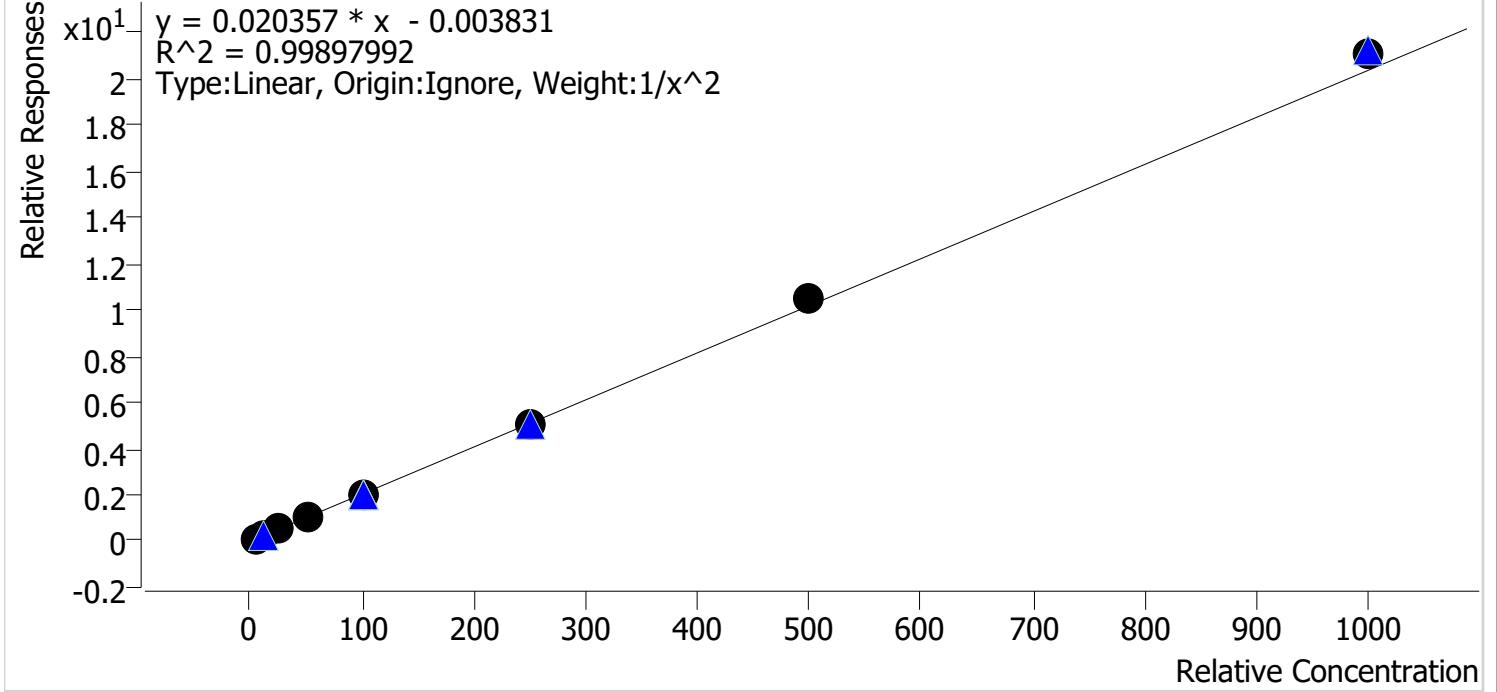
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	518.0	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1039.0	103.9

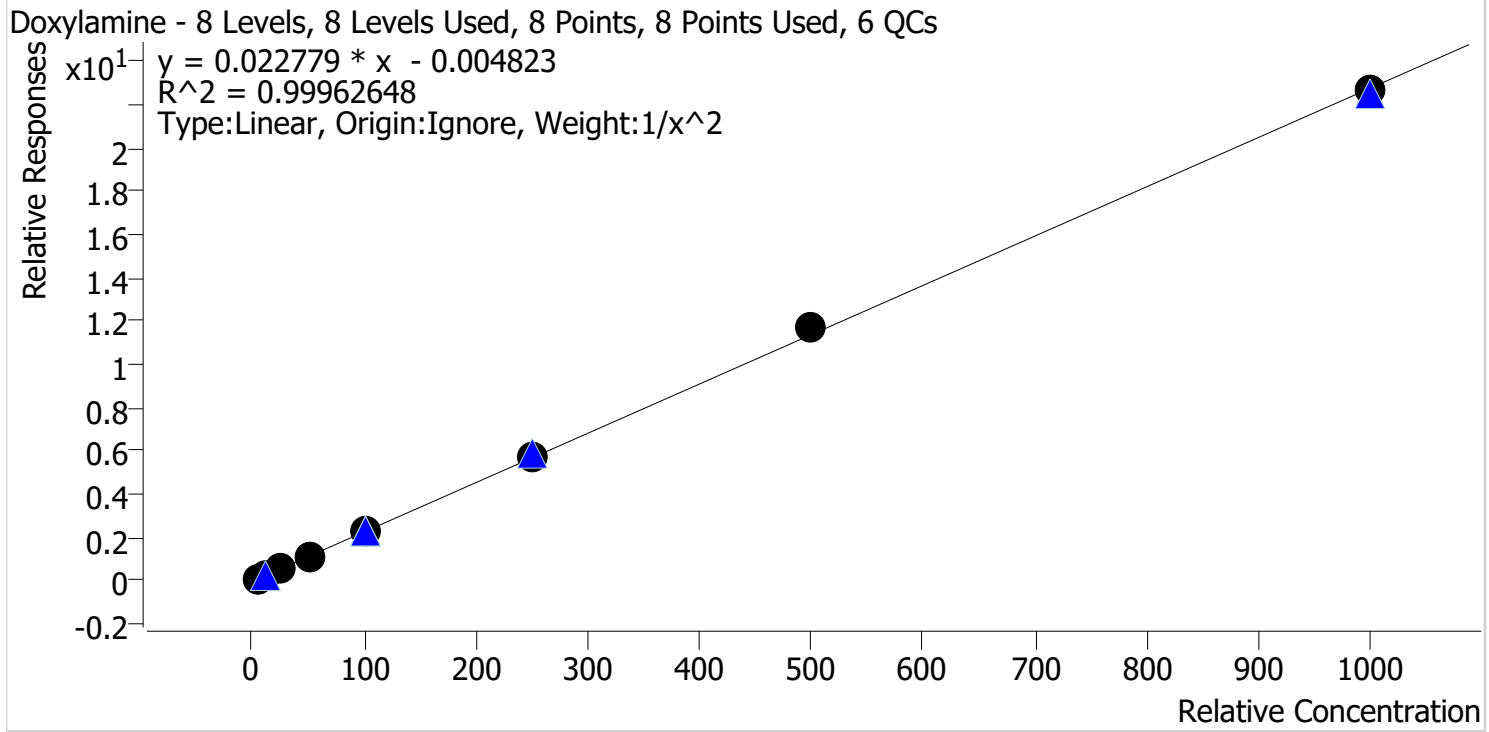


SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.0	98.1
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	516.6	103.3
p1 Cal 8-1000ng	8	✓	1000.0	995.1	99.5

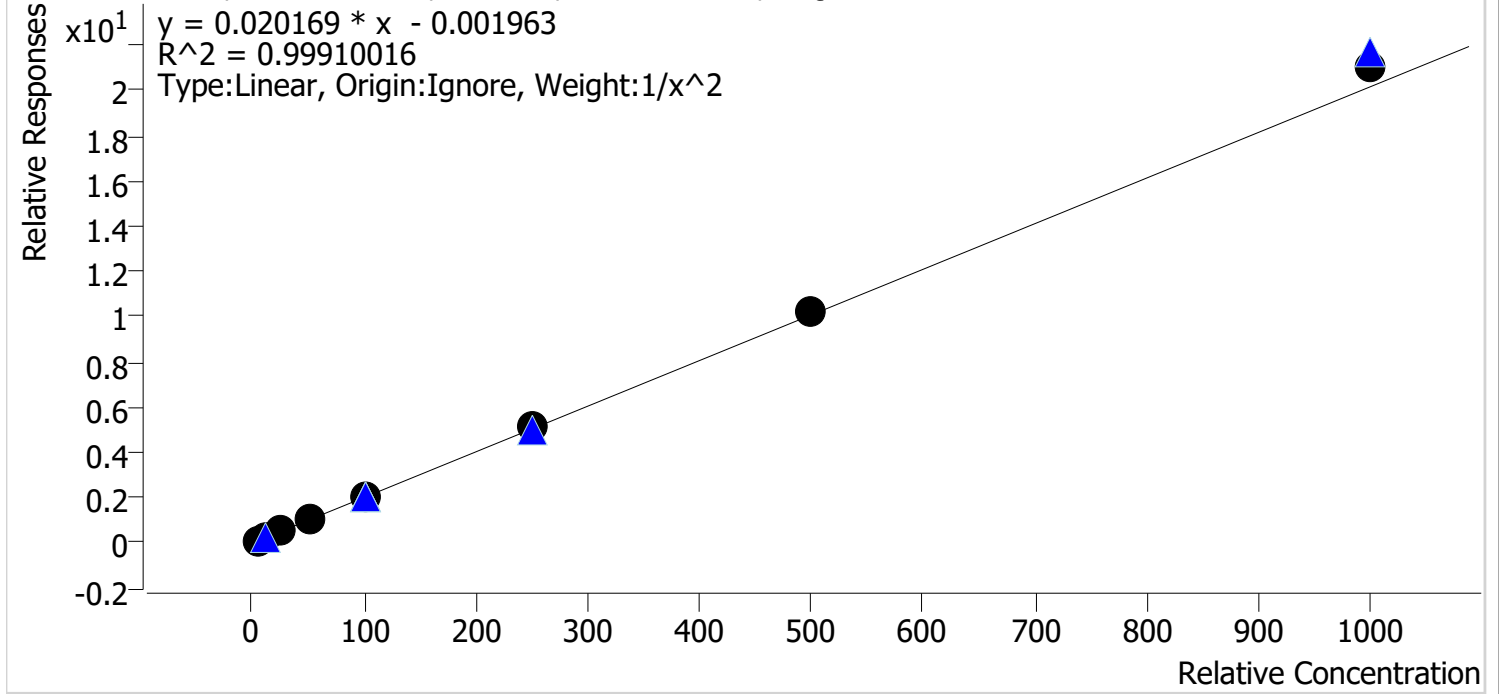
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



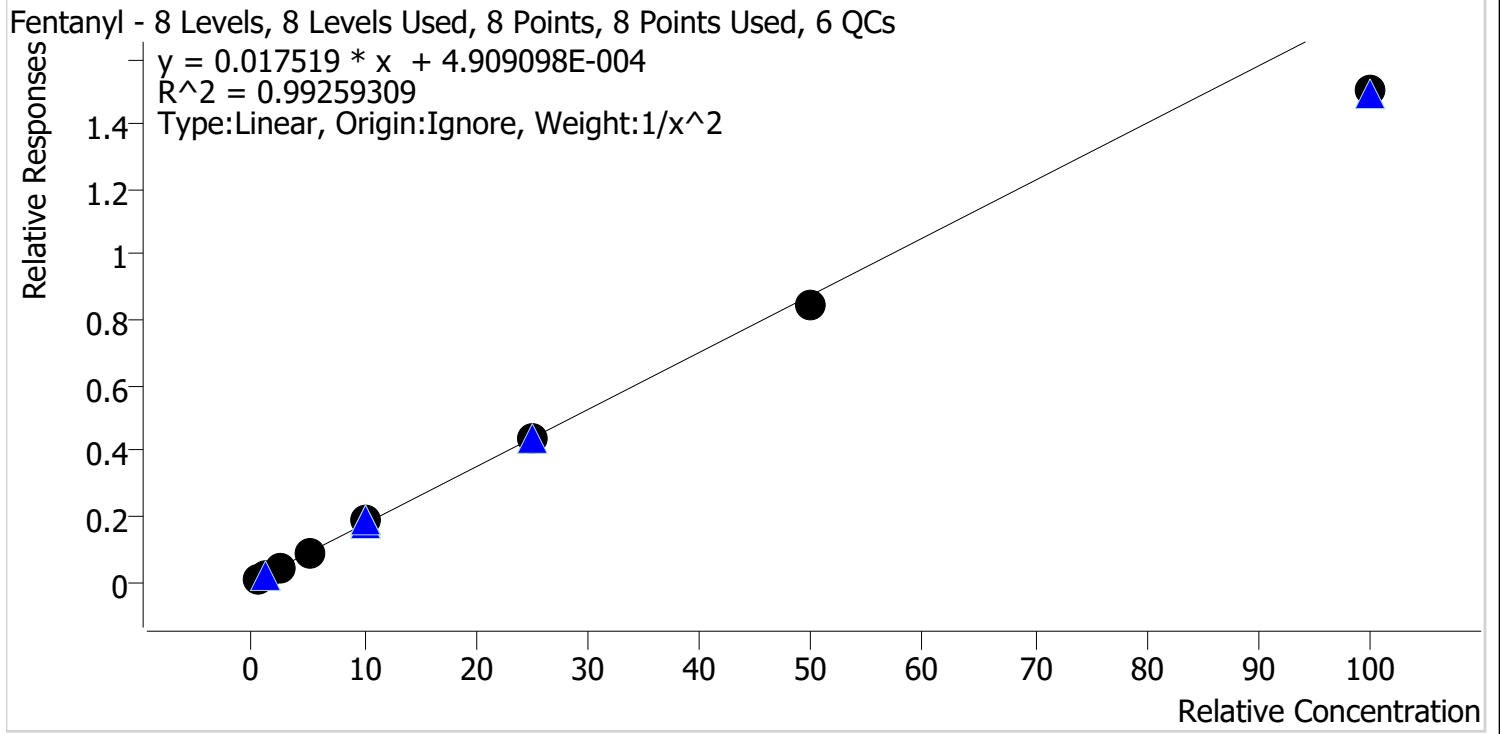
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	48.8	97.5
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1045.1	104.5

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5



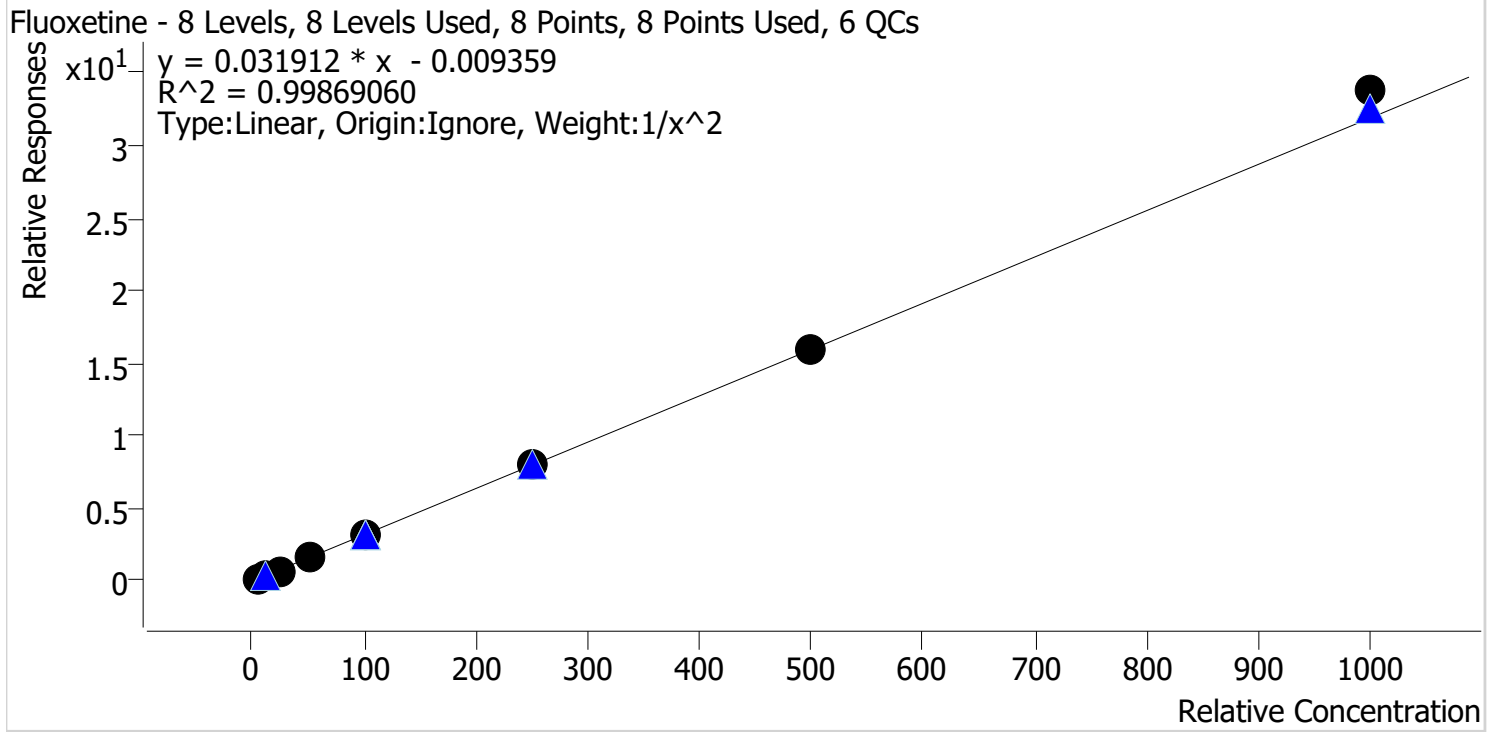
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	94.7
p1 Cal 2-10ng	2	✓	1.0	1.1	107.2
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.1
p1 Cal 4-50ng	4	✓	5.0	5.2	104.1
p1 Cal 5-100ng	5	✓	10.0	10.7	107.2
p1 Cal 6-250ng	6	✓	25.0	25.0	99.9
p1 Cal 7-500ng	7	✓	50.0	48.0	96.1
p1 Cal 8-1000ng	8	✓	100.0	85.7	85.7

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



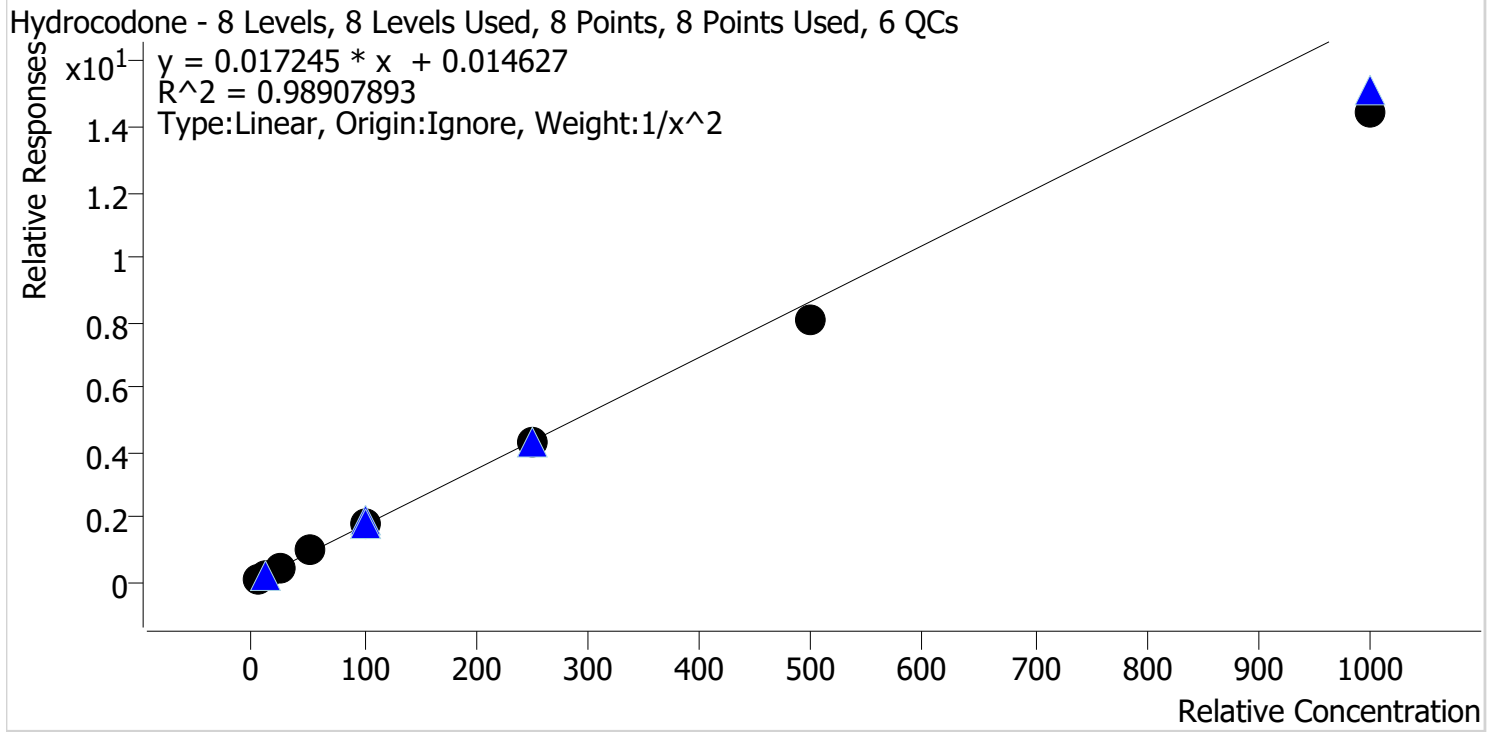
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.0
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1059.3	105.9

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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	4.6	92.8
p1 Cal 2-10ng	2	✓	10.0	11.0	110.0
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	467.0	93.4
p1 Cal 8-1000ng	8	✓	1000.0	840.1	84.0

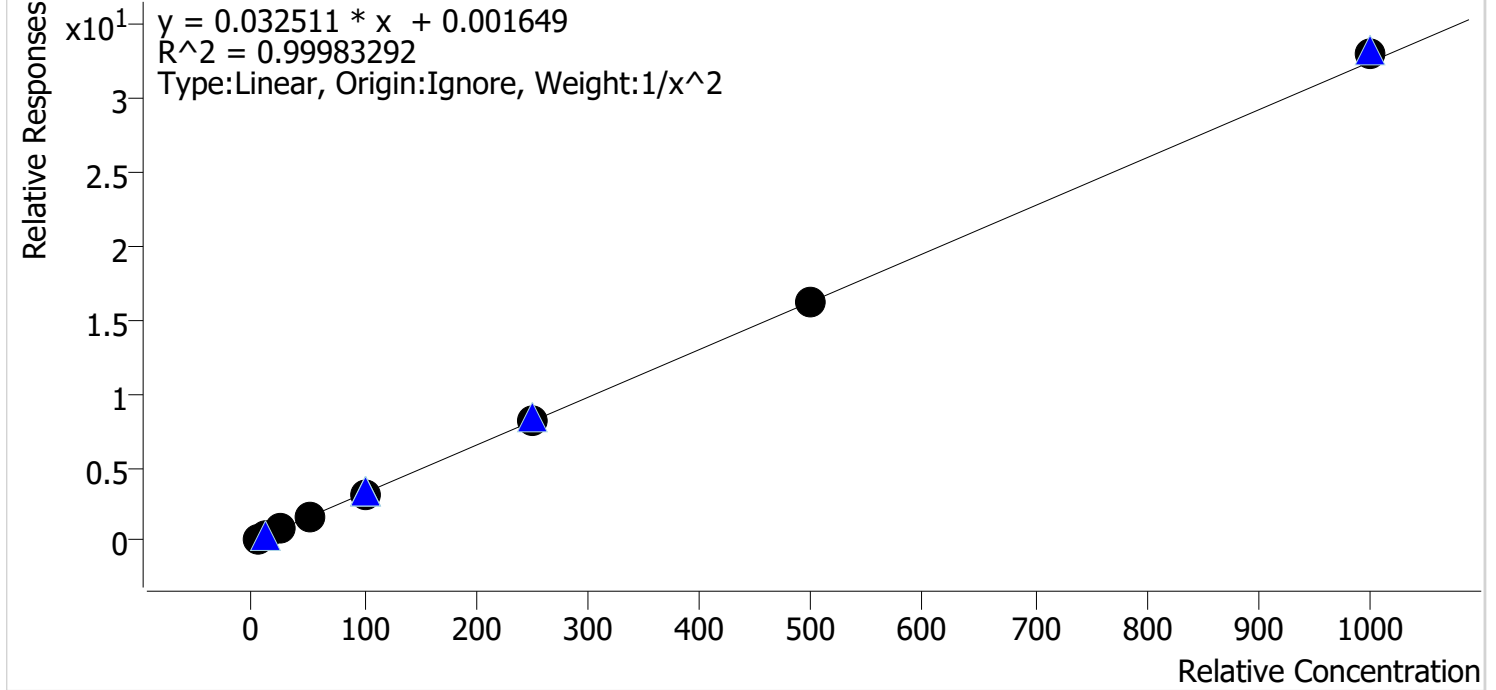
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



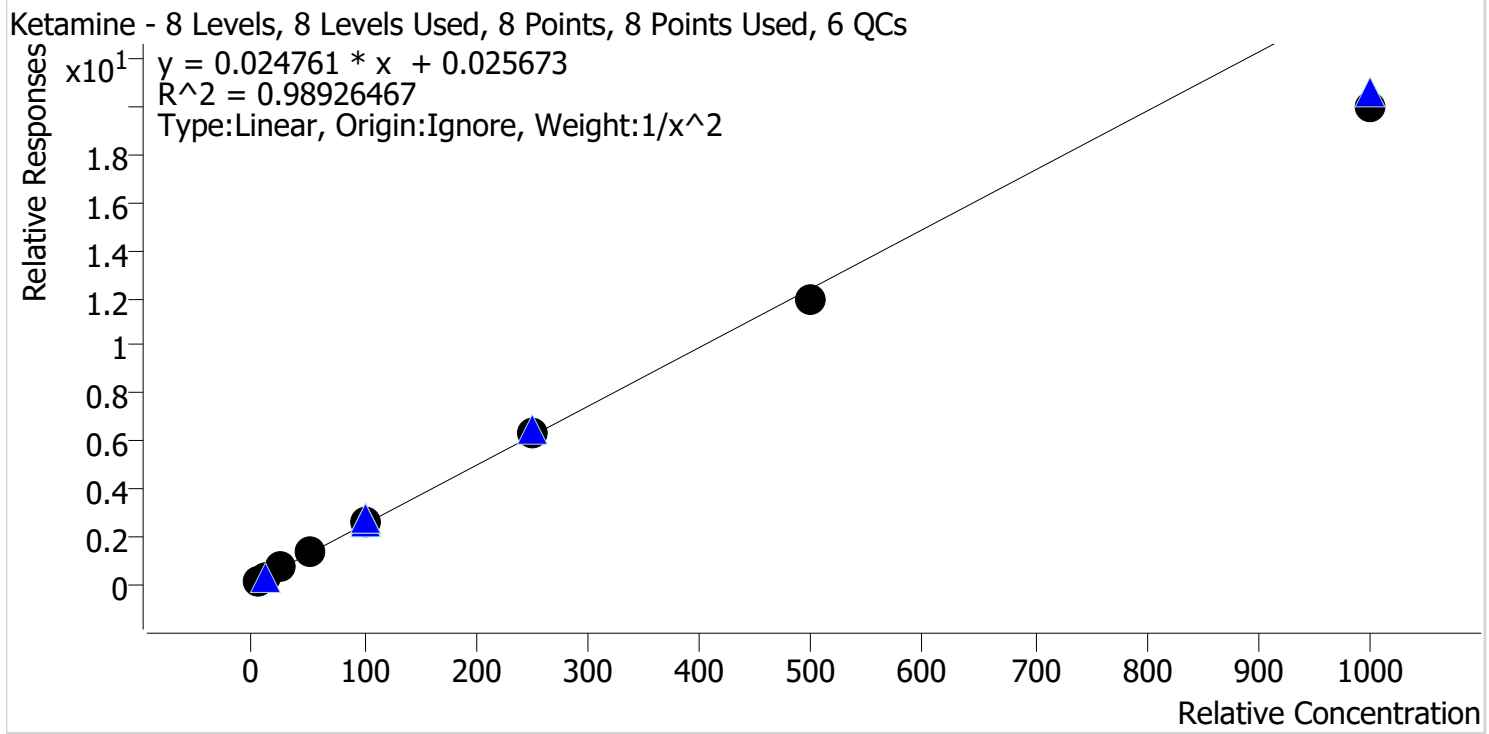
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	502.3	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1013.6	101.4

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



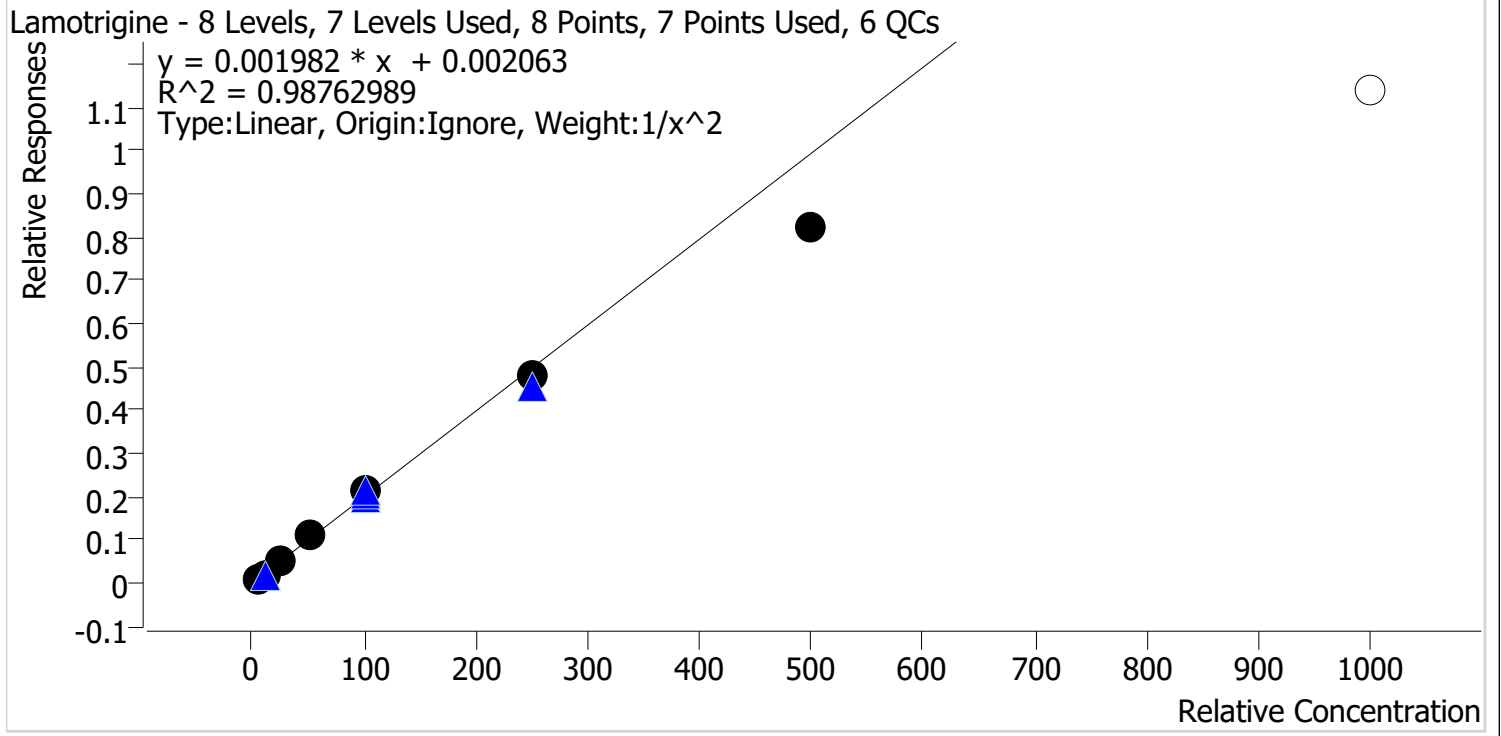
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	54.3	108.5
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	484.1	96.8
p1 Cal 8-1000ng	8	✓	1000.0	807.9	80.8

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	55.0	110.0
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	239.6	95.8
p1 Cal 7-500ng	7	✓	500.0	412.1	82.4
p1 Cal 8-1000ng	8	✗	1000.0	572.9	57.3

Cal 8 dropped due to accuracy



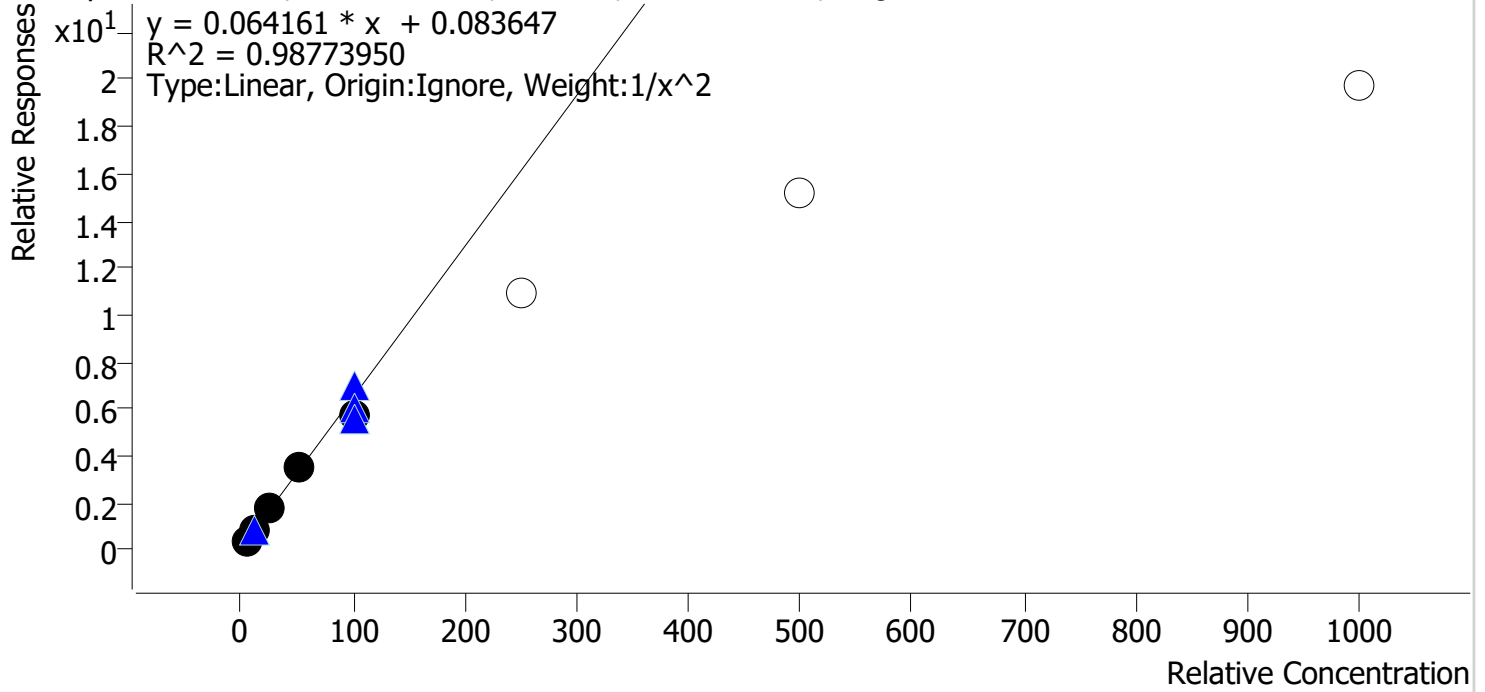
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.0
p1 Cal 2-10ng	2	✓	10.0	10.9	108.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	87.5	87.5
p1 Cal 6-250ng	6	x	250.0	169.8	67.9
p1 Cal 7-500ng	7	x	500.0	235.2	47.0
p1 Cal 8-1000ng	8	x	1000.0	306.3	30.6

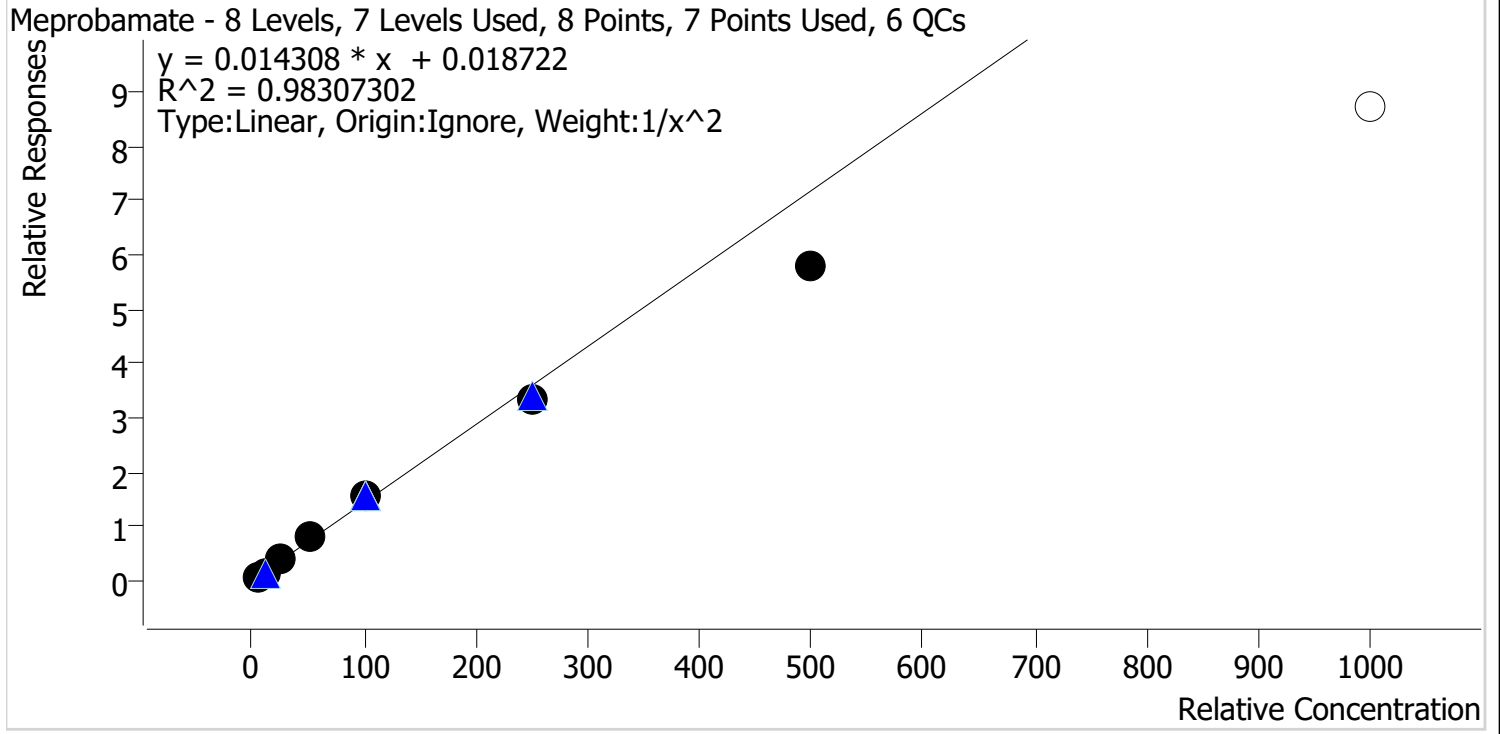
Cal 6-8 dropped due to accuracy

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.4
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	108.4	108.4
p1 Cal 6-250ng	6	✓	250.0	232.2	92.9
p1 Cal 7-500ng	7	✓	500.0	401.7	80.3
p1 Cal 8-1000ng	8	✗	1000.0	609.3	60.9

Cal 8 dropped due to accuracy

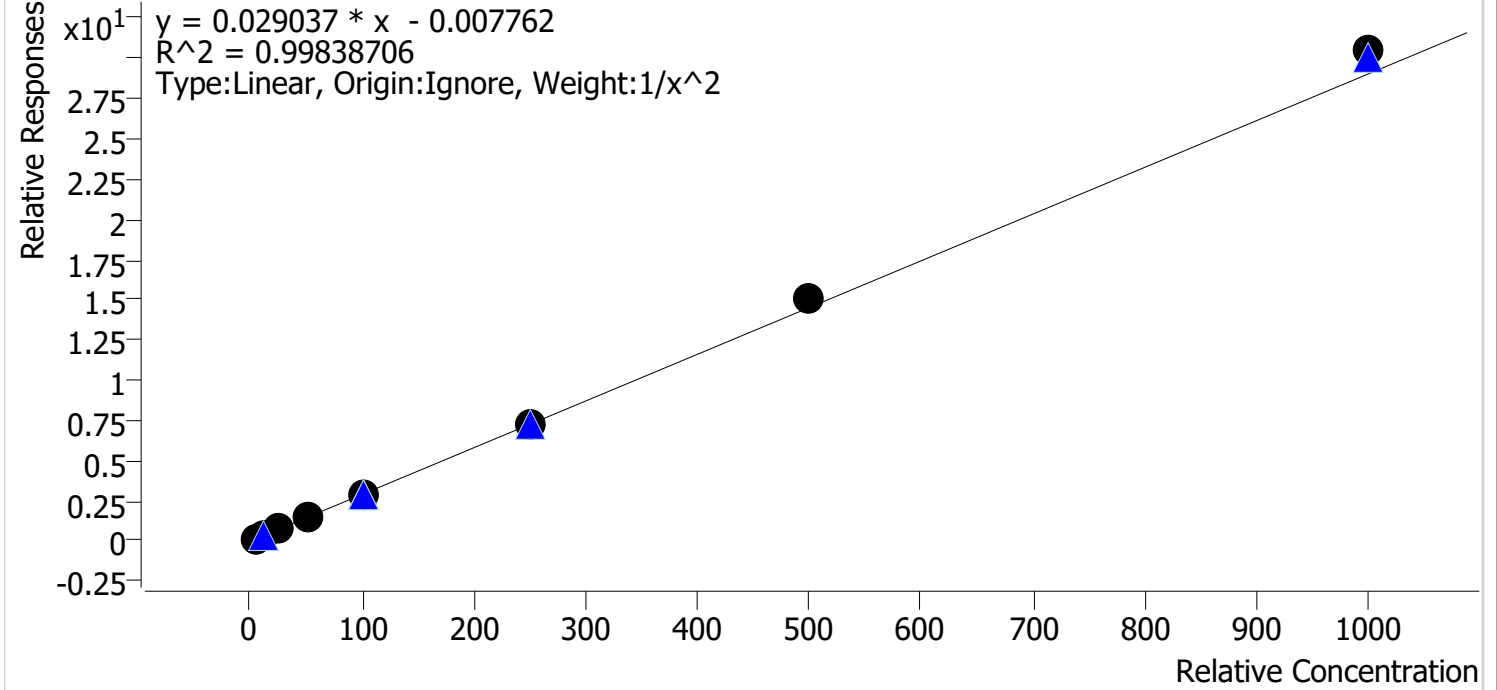
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

Methadone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



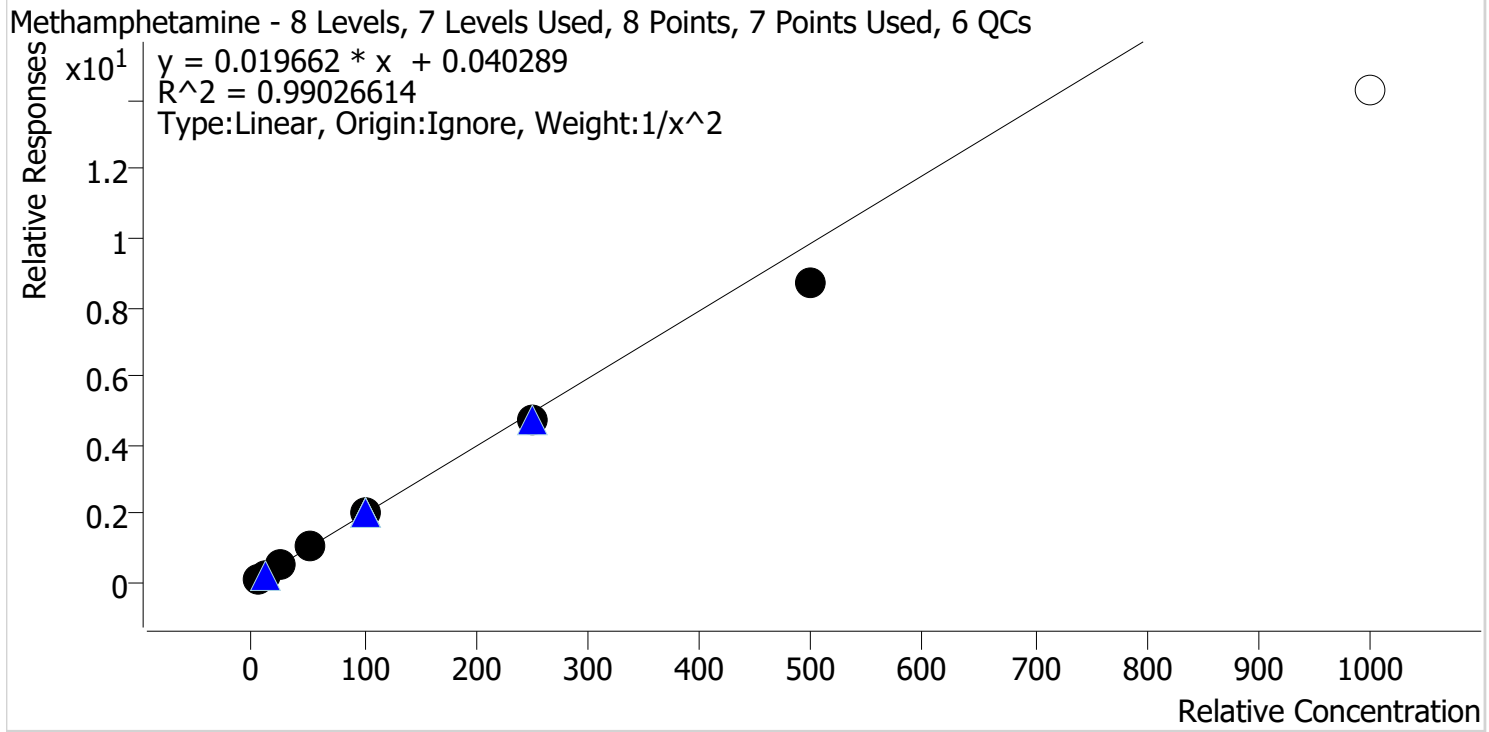
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	521.5	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1050.0	105.0

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	92.9
p1 Cal 2-10ng	2	✓	10.0	11.0	109.9
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.7
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	239.4	95.7
p1 Cal 7-500ng	7	✓	500.0	439.6	87.9
p1 Cal 8-1000ng	8	✗	1000.0	725.0	72.5

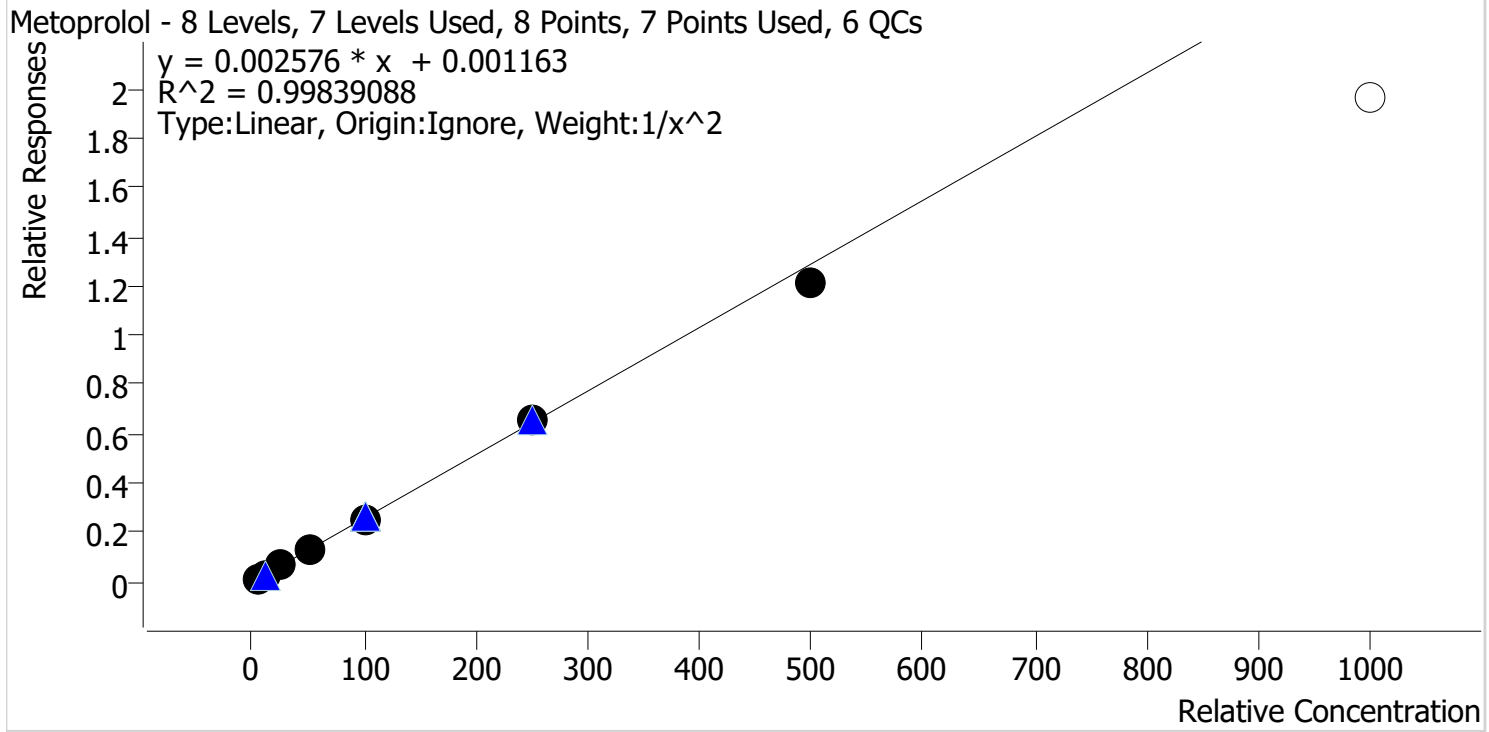
Cal 8 dropped due to accuracy

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	468.2	93.6
p1 Cal 8-1000ng	8	✗	1000.0	763.1	76.3

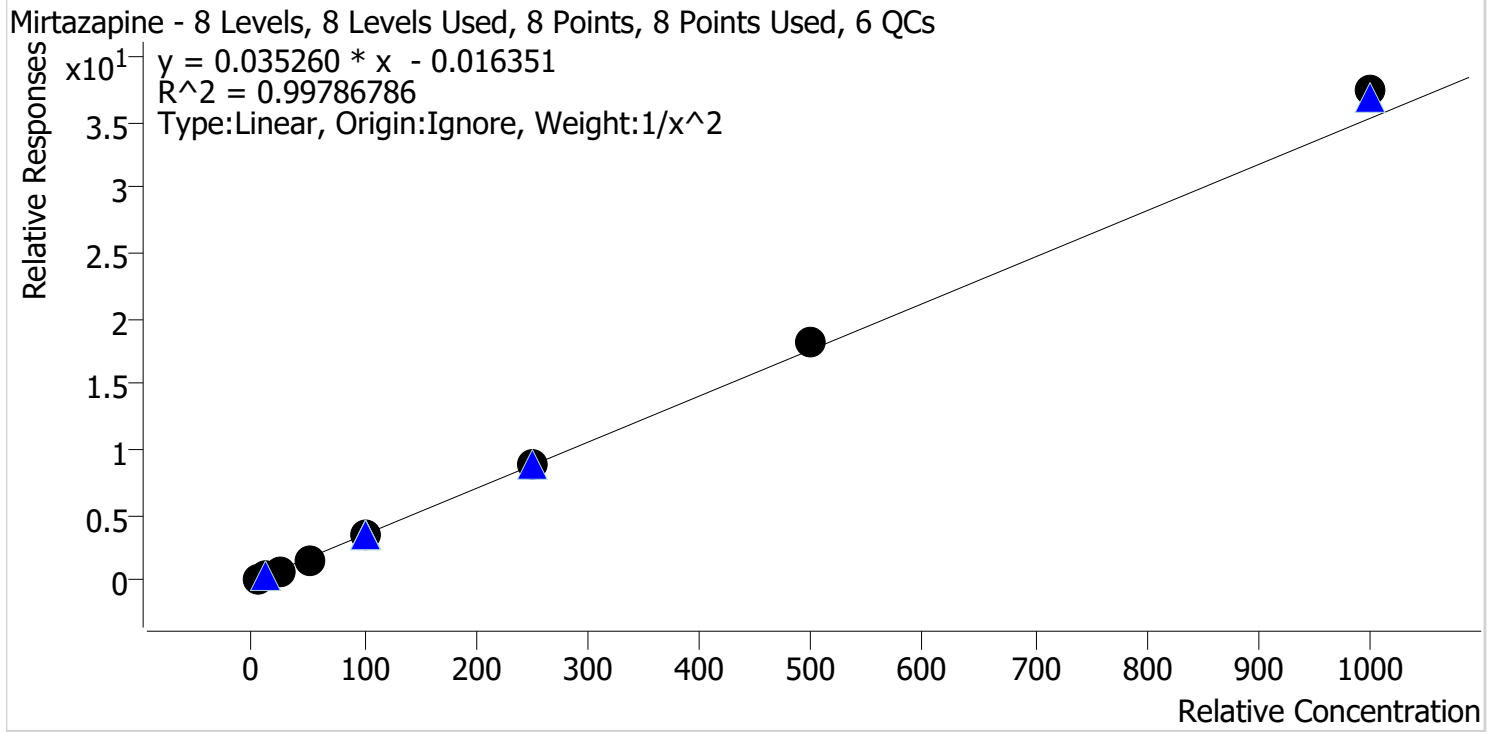
Cal 8 dropped due to accuracy

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



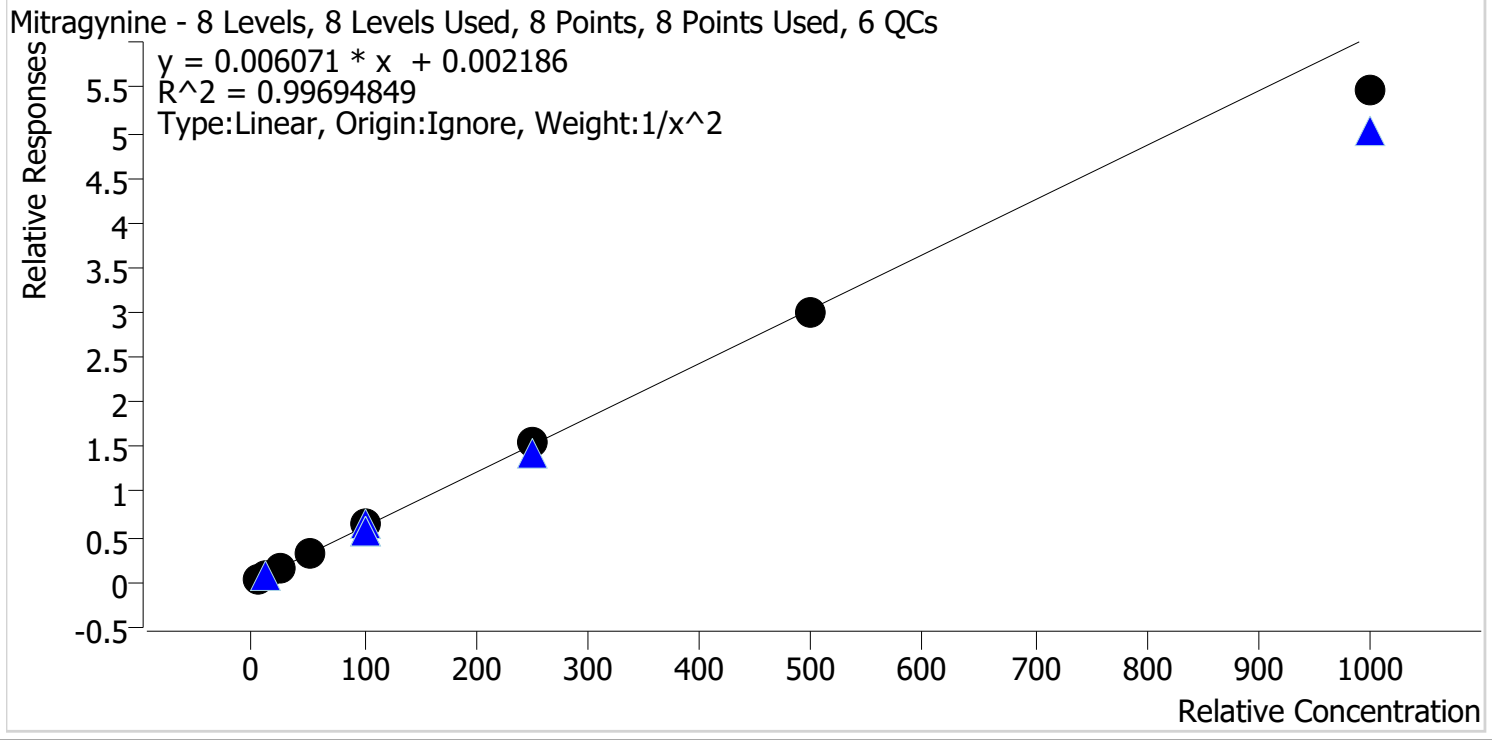
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	47.8	95.6
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	251.9	100.7
p1 Cal 7-500ng	7	✓	500.0	518.5	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1059.9	106.0

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



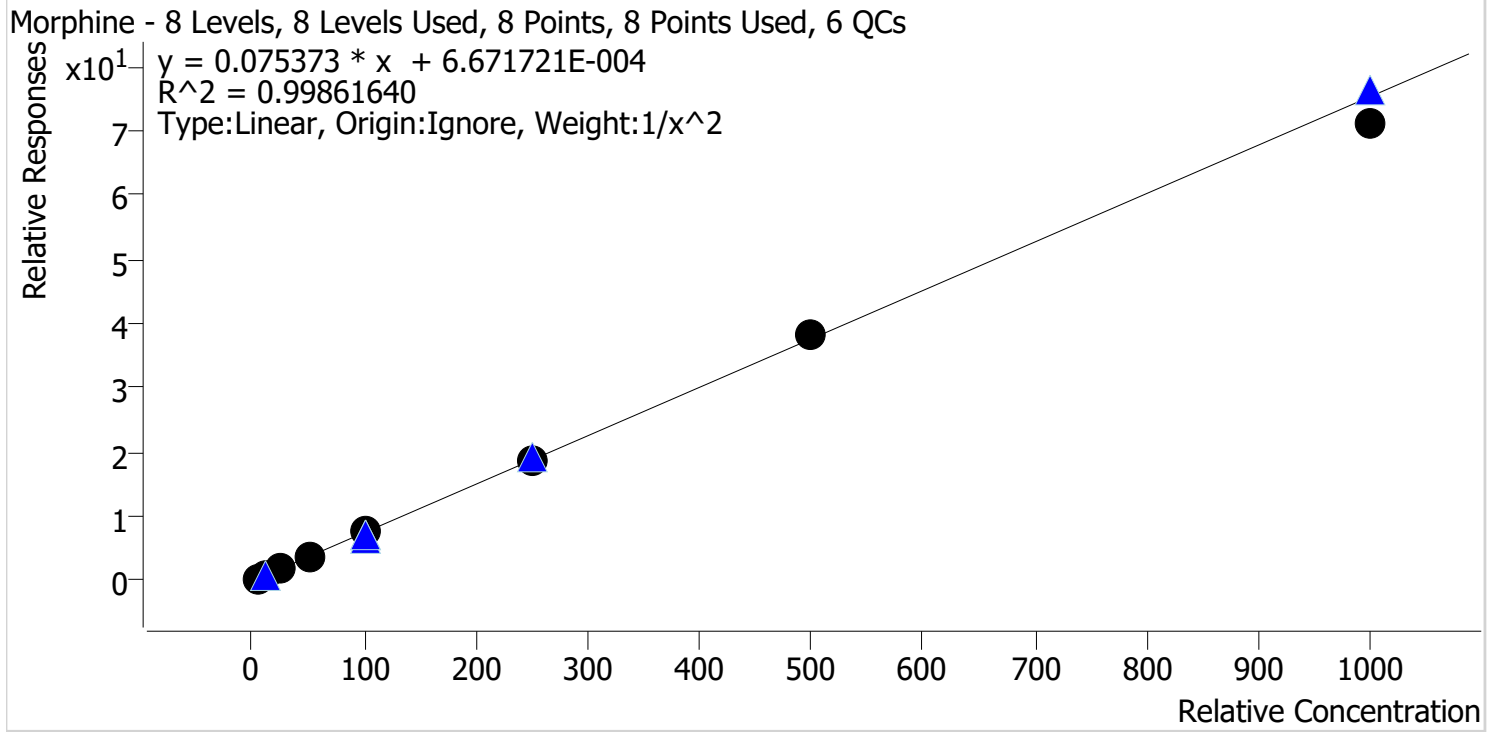
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	491.4	98.3
p1 Cal 8-1000ng	8	✓	1000.0	900.7	90.1

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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	98.3
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	507.7	101.5
p1 Cal 8-1000ng	8	✓	1000.0	941.5	94.1



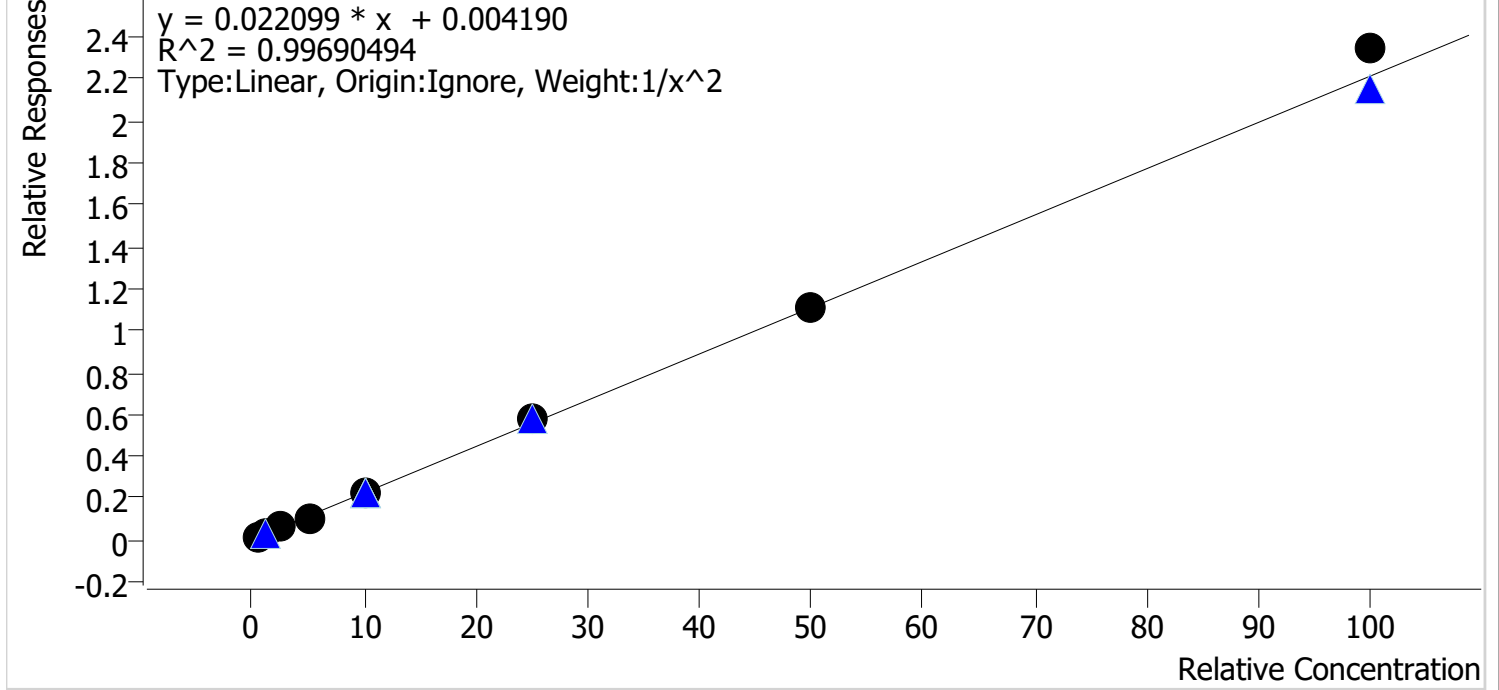
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



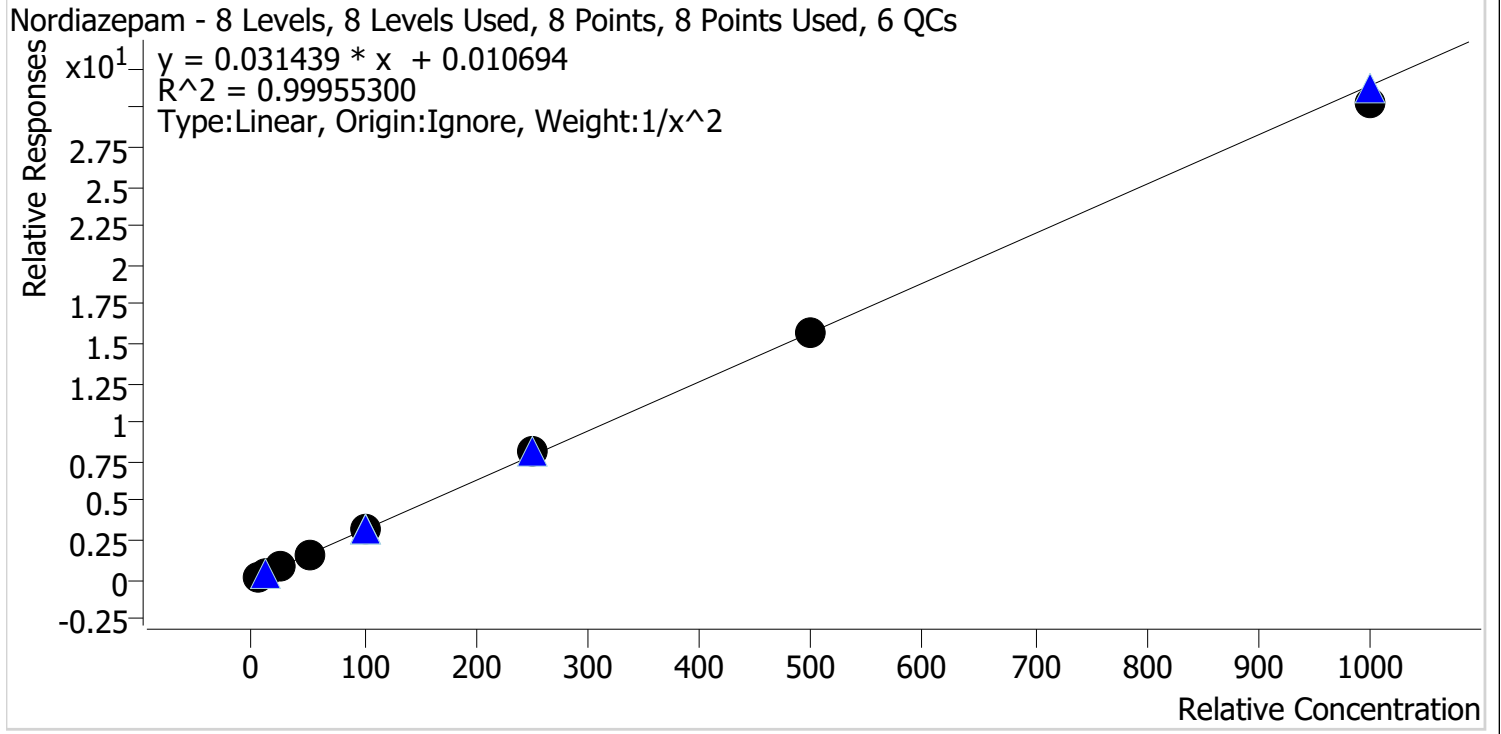
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.4
p1 Cal 2-10ng	2	✓	1.0	1.0	95.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.4
p1 Cal 4-50ng	4	✓	5.0	4.6	92.0
p1 Cal 5-100ng	5	✓	10.0	10.3	102.6
p1 Cal 6-250ng	6	✓	25.0	26.0	103.9
p1 Cal 7-500ng	7	✓	50.0	50.0	99.9
p1 Cal 8-1000ng	8	✓	100.0	105.9	105.9

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



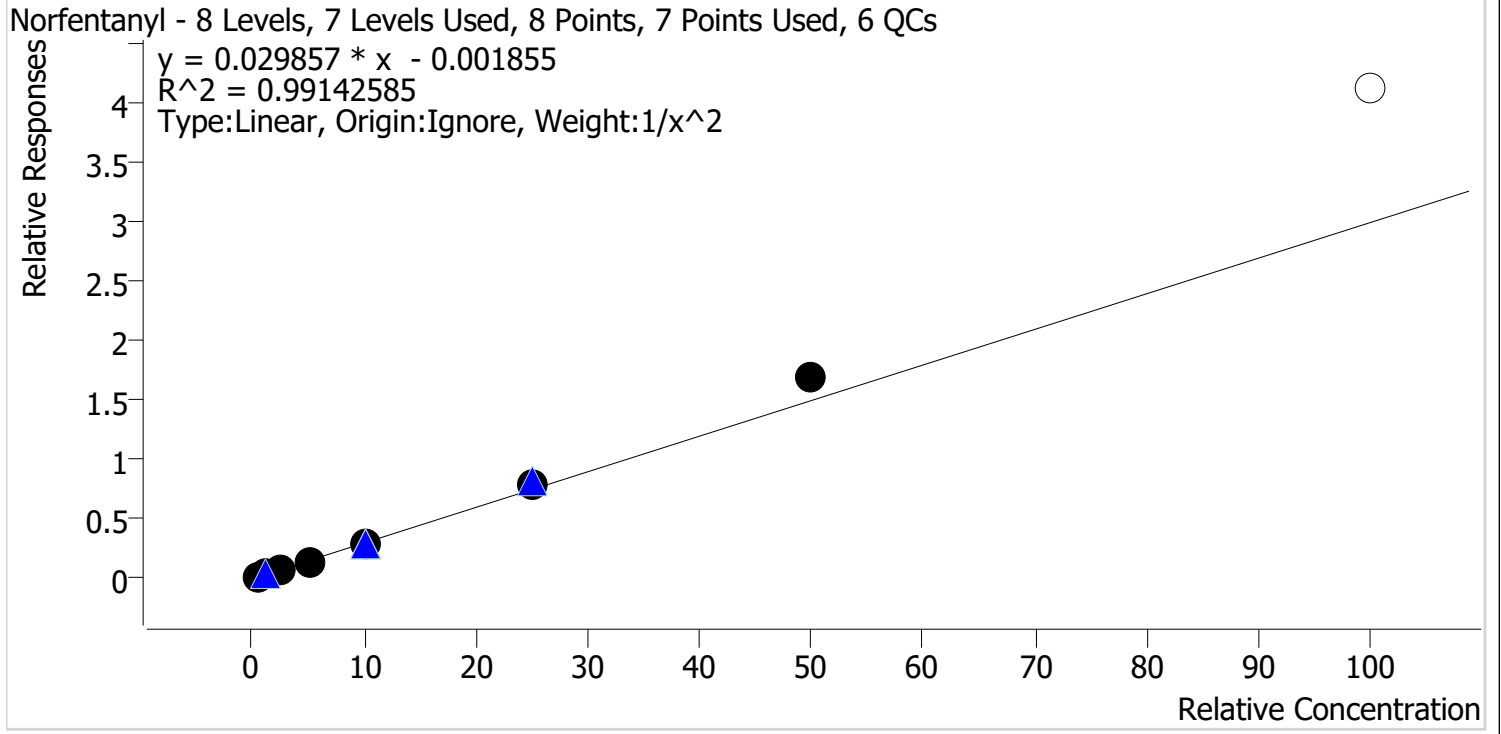
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	256.1	102.4
p1 Cal 7-500ng	7	✓	500.0	497.1	99.4
p1 Cal 8-1000ng	8	✓	1000.0	965.8	96.6

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl Internal Standard Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.5
p1 Cal 2-10ng	2	✓	1.0	1.0	95.4
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.0
p1 Cal 4-50ng	4	✓	5.0	4.6	92.5
p1 Cal 5-100ng	5	✓	10.0	9.8	97.9
p1 Cal 6-250ng	6	✓	25.0	26.0	103.8
p1 Cal 7-500ng	7	✓	50.0	56.9	113.8
p1 Cal 8-1000ng	8	✗	100.0	137.6	137.6

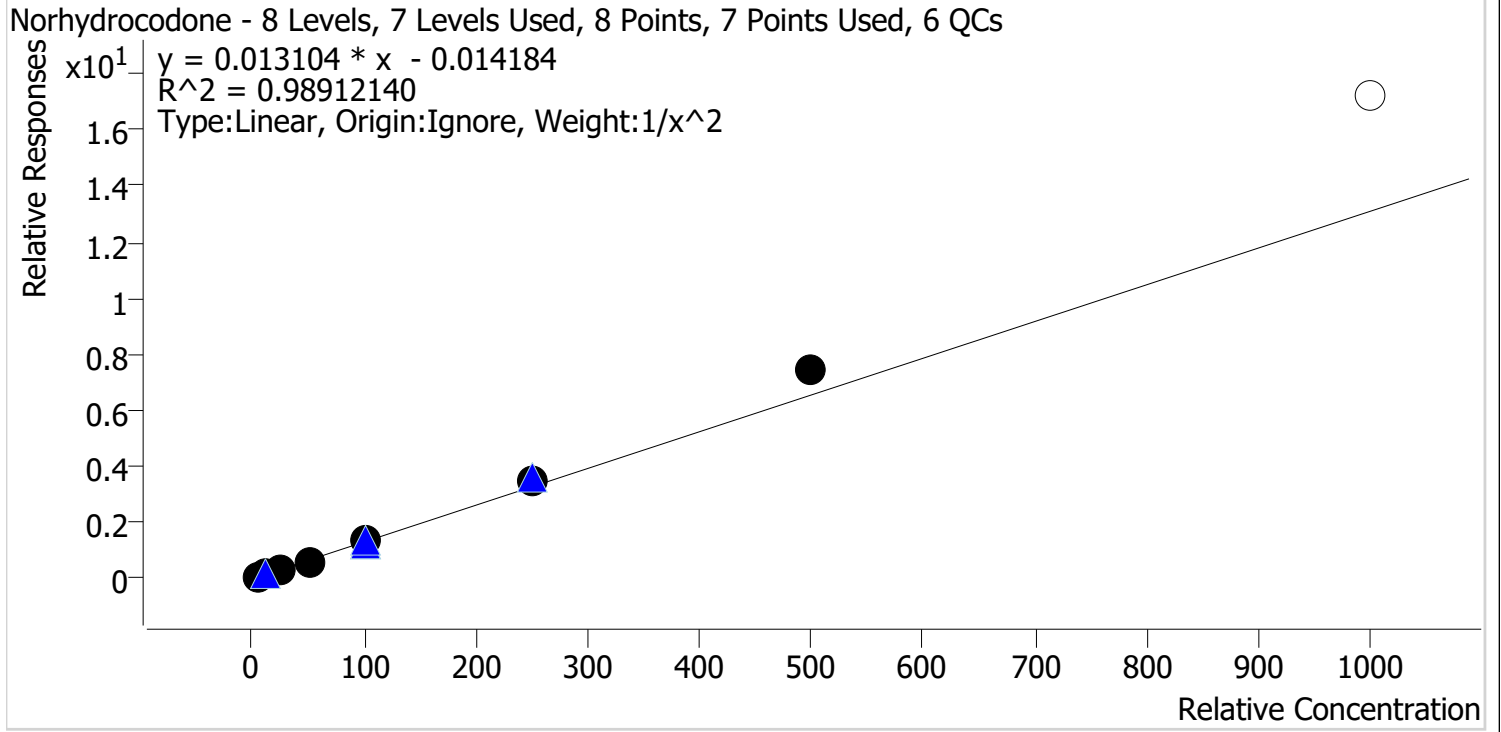
Cal 8 dropped due to accuracy

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.5
p1 Cal 2-10ng	2	✓	10.0	9.2	92.1
p1 Cal 3 -25ng	3	✓	25.0	22.2	89.0
p1 Cal 4-50ng	4	✓	50.0	46.8	93.6
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	262.2	104.9
p1 Cal 7-500ng	7	✓	500.0	566.9	113.4
p1 Cal 8-1000ng	8	x	1000.0	1311.4	131.1

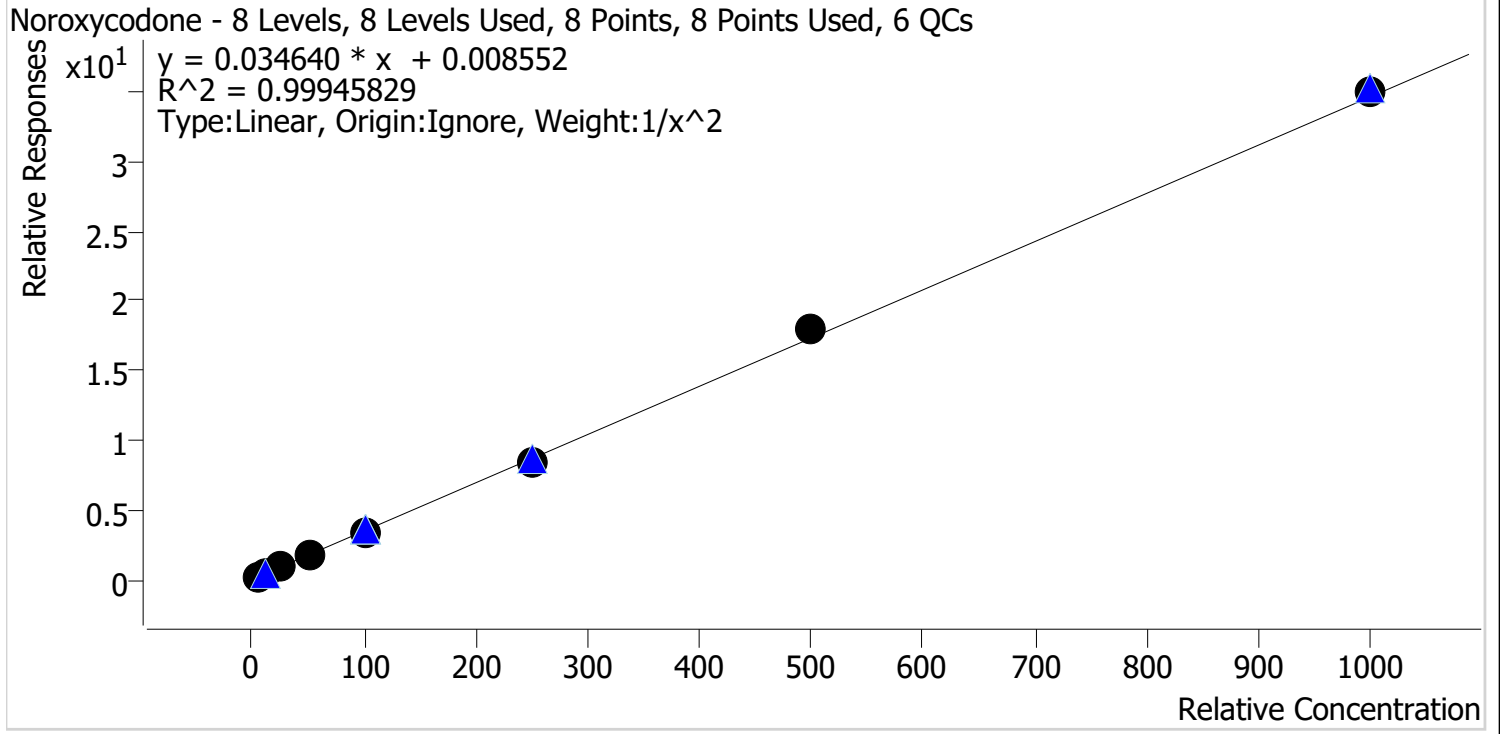
Cal 8 dropped due to accuracy

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



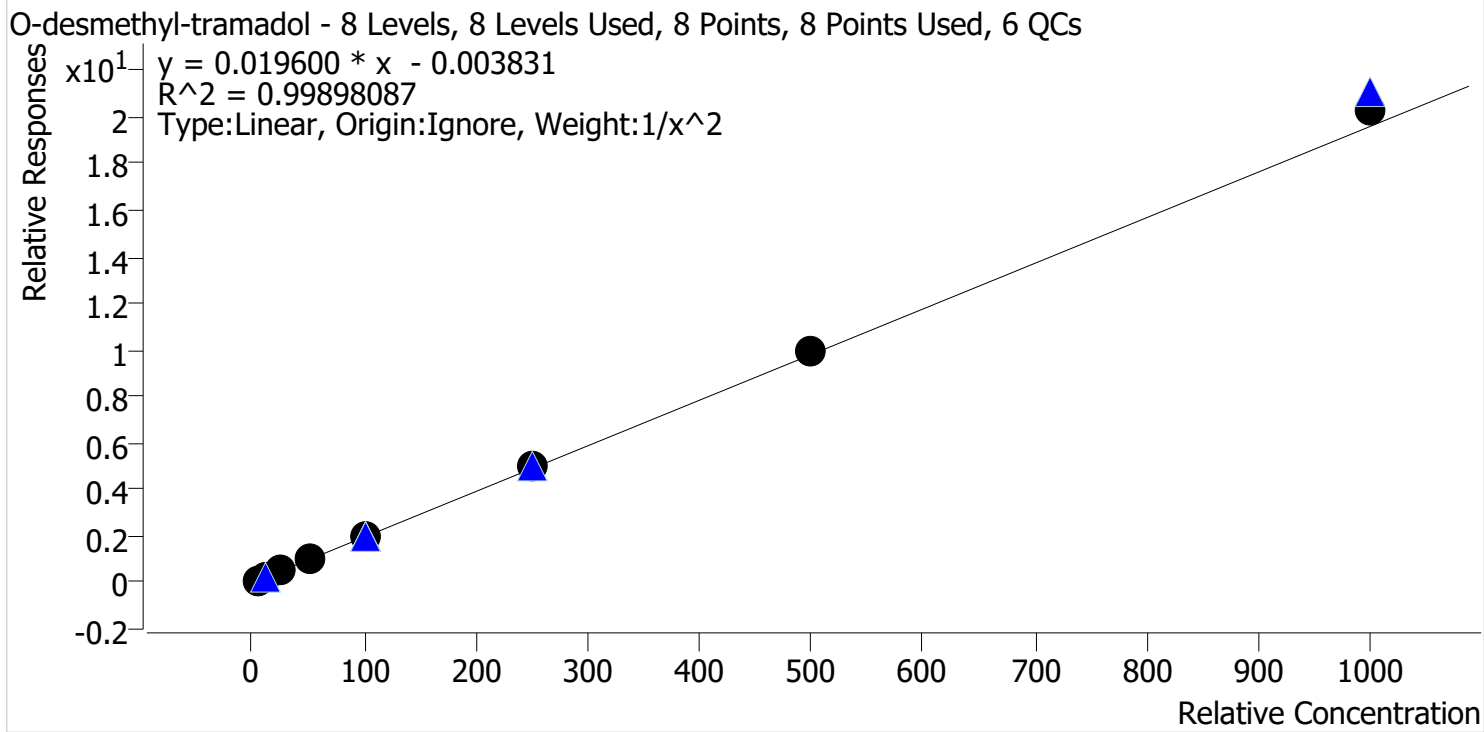
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	244.9	97.9
p1 Cal 7-500ng	7	✓	500.0	518.3	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1011.0	101.1

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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	102.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.7	97.5
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	255.9	102.3
p1 Cal 7-500ng	7	✓	500.0	509.3	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1036.4	103.6

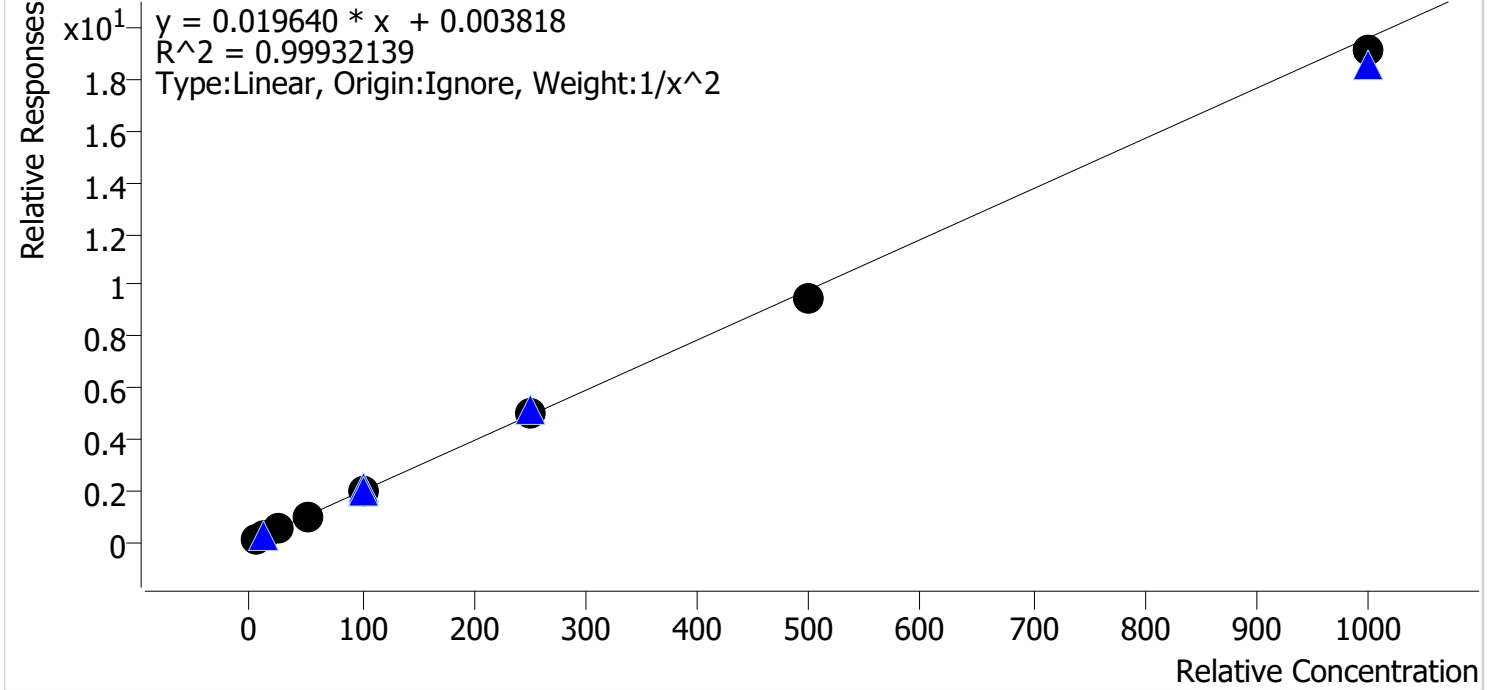
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam Internal Standard Oxazepam-D5

Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



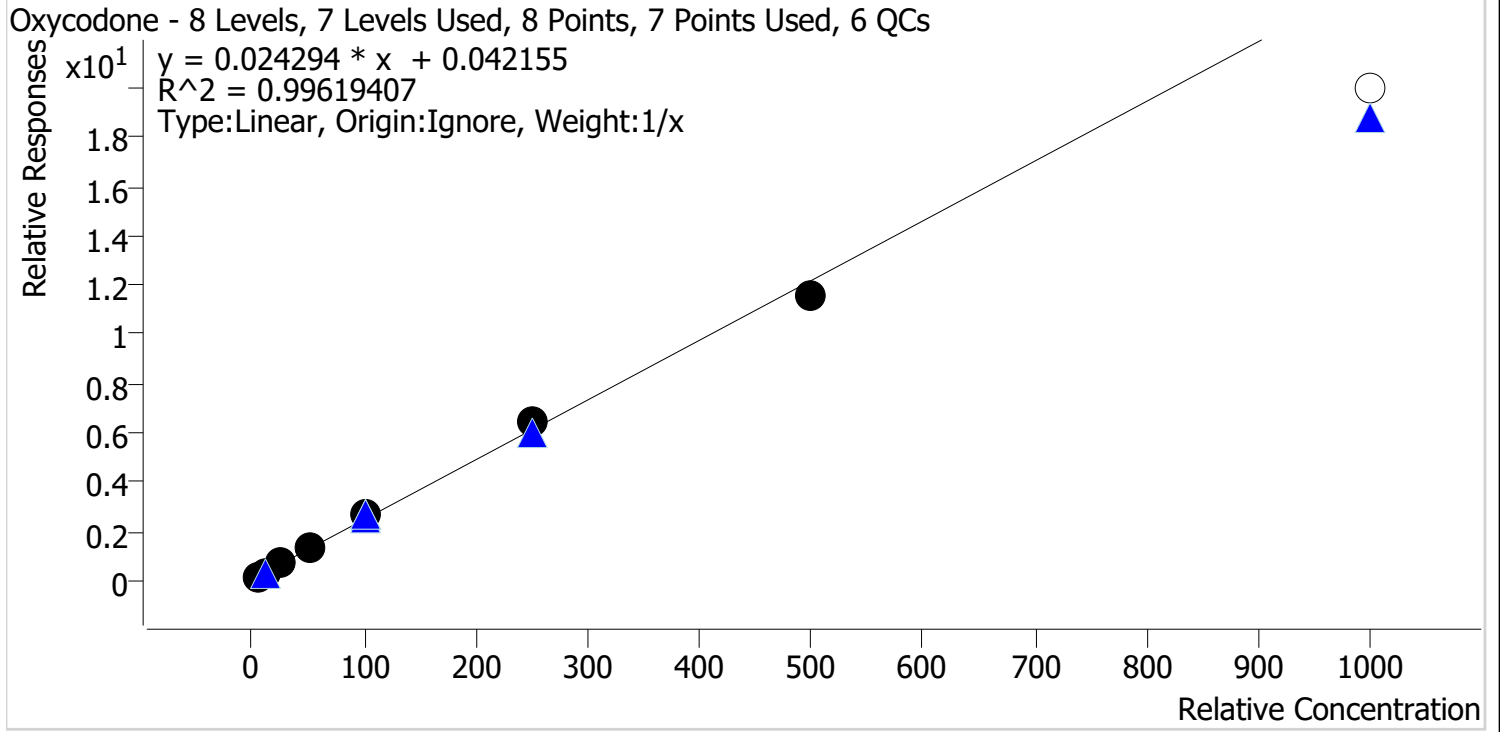
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	51.5	102.9
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	483.1	96.6
p1 Cal 8-1000ng	8	✓	1000.0	974.9	97.5

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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	4.1	81.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	109.3	109.3
p1 Cal 6-250ng	6	✓	250.0	261.7	104.7
p1 Cal 7-500ng	7	✓	500.0	475.5	95.1
p1 Cal 8-1000ng	8	✗	1000.0	821.3	82.1

Cal 8 dropped due to accuracy

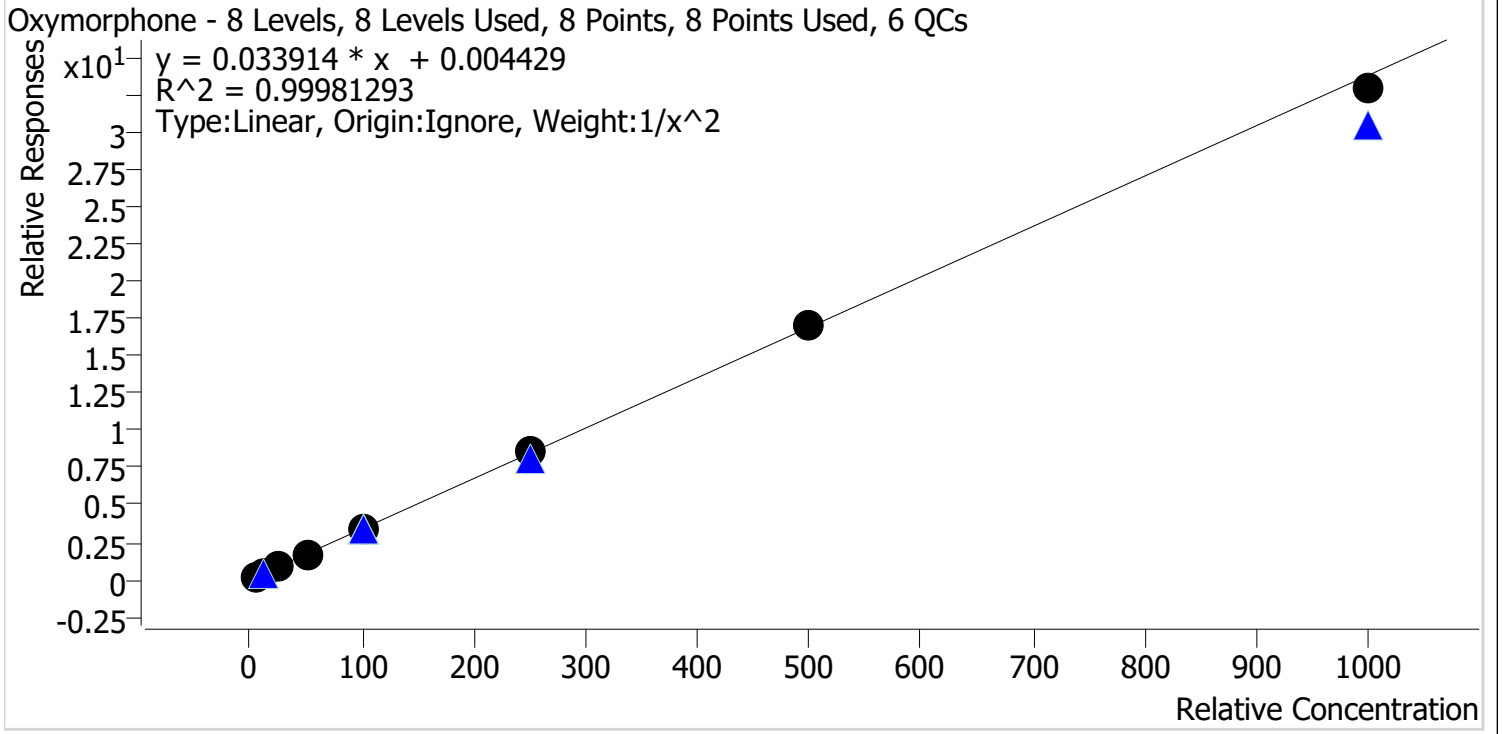


SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



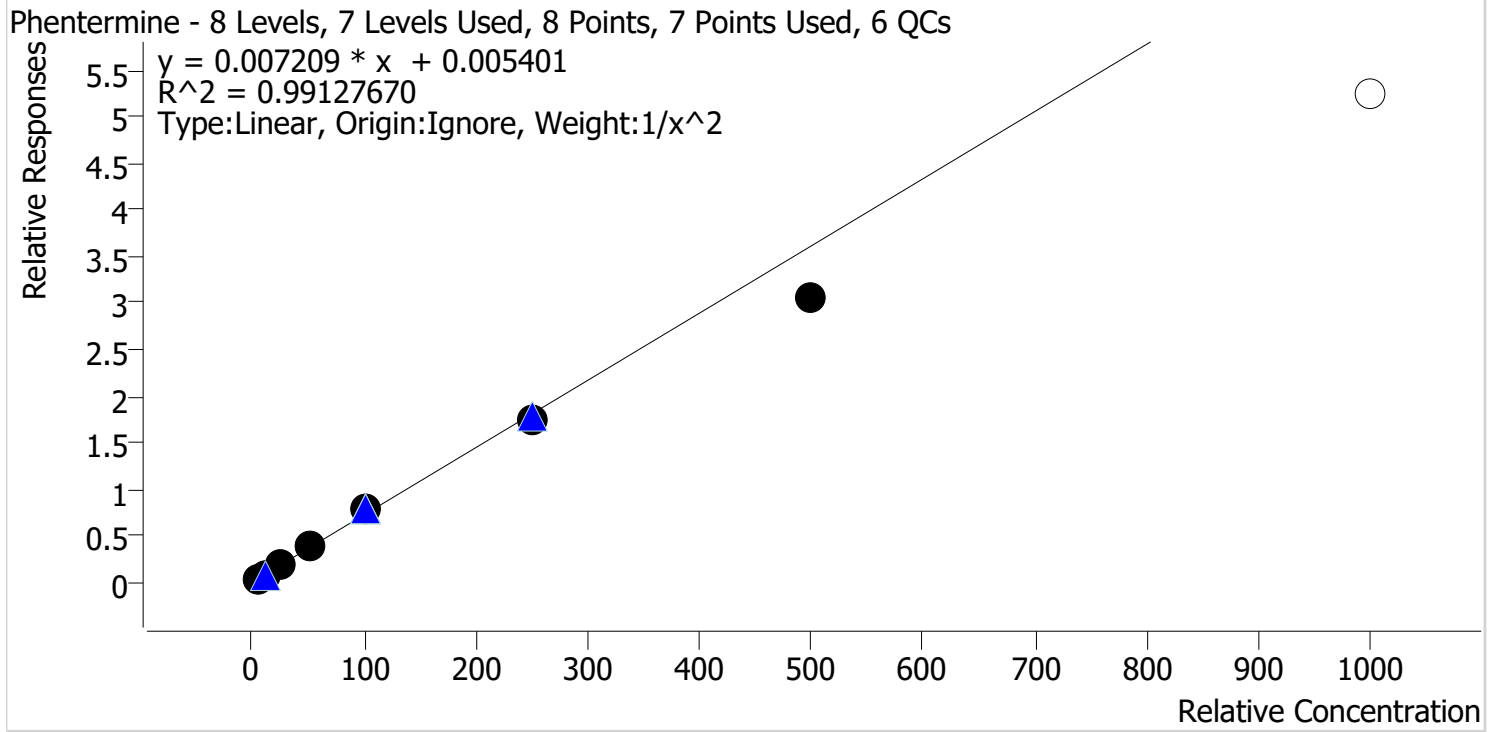
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	501.5	100.3
p1 Cal 8-1000ng	8	✓	1000.0	973.6	97.4

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	241.5	96.6
p1 Cal 7-500ng	7	✓	500.0	425.0	85.0
p1 Cal 8-1000ng	8	✗	1000.0	724.4	72.4

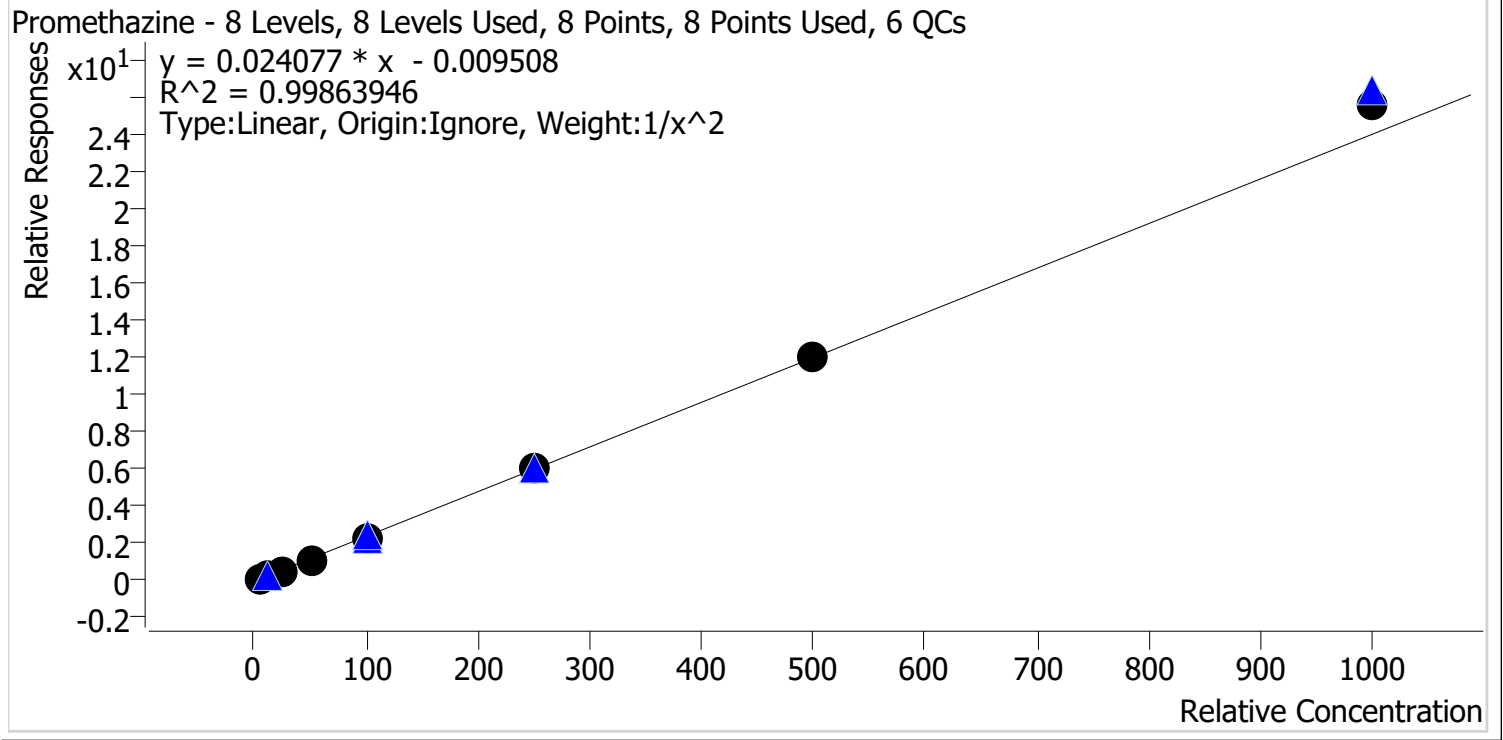
Cal 8 dropped due to accuracy

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1063.9	106.4

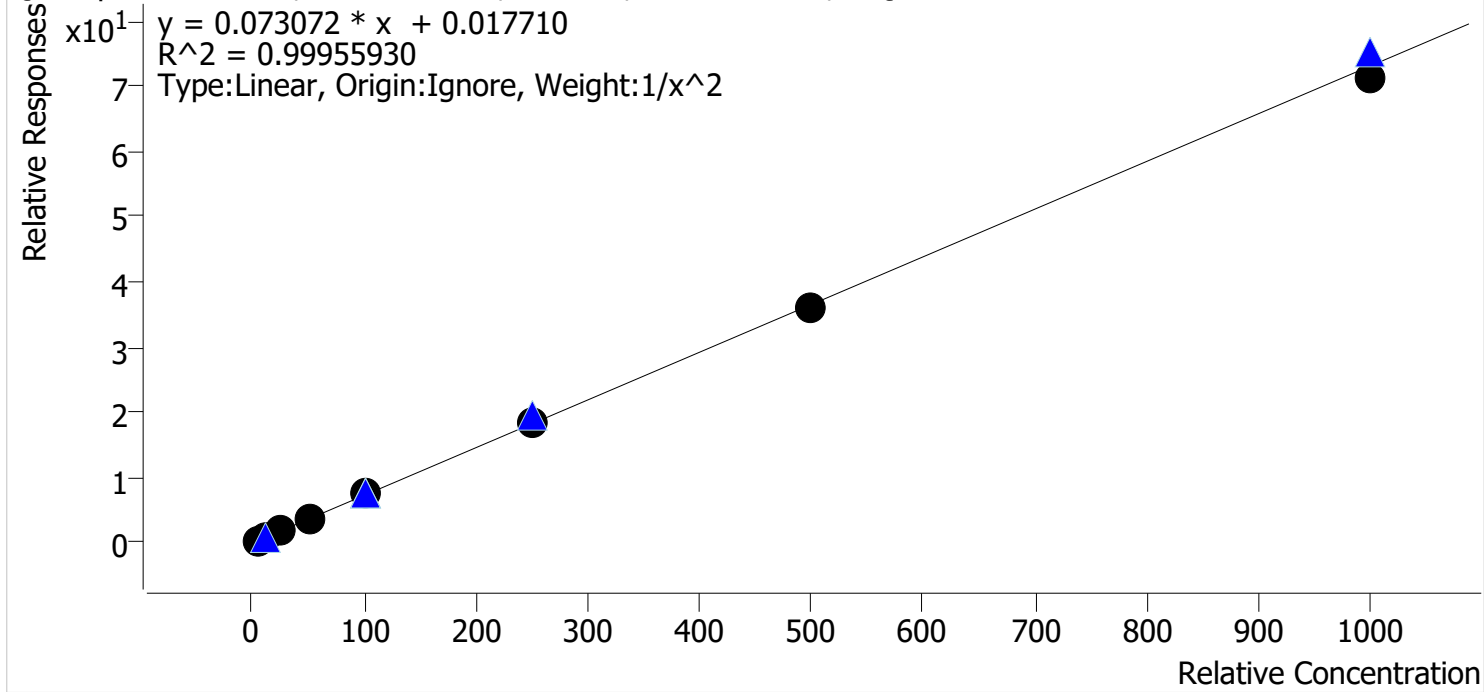
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



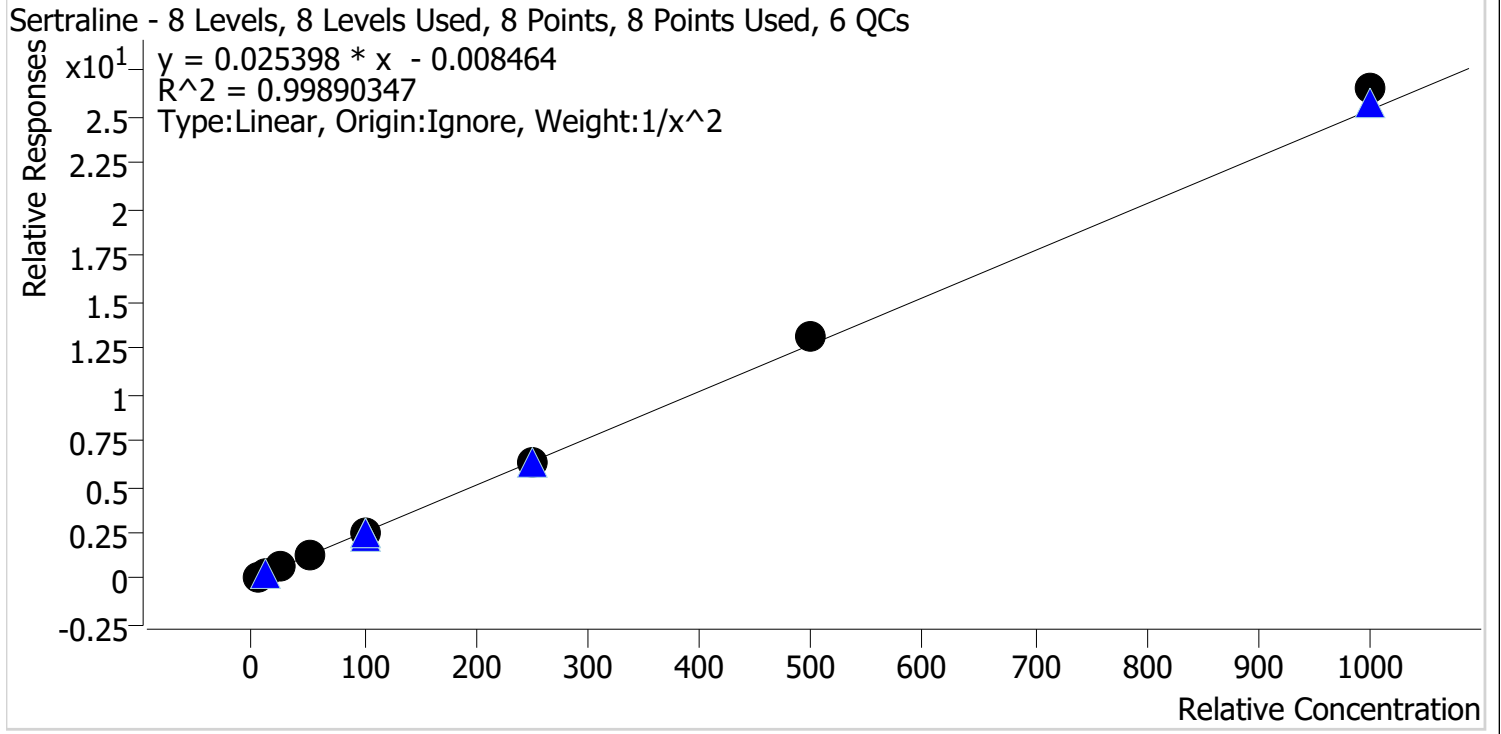
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	492.9	98.6
p1 Cal 8-1000ng	8	✓	1000.0	973.6	97.4

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



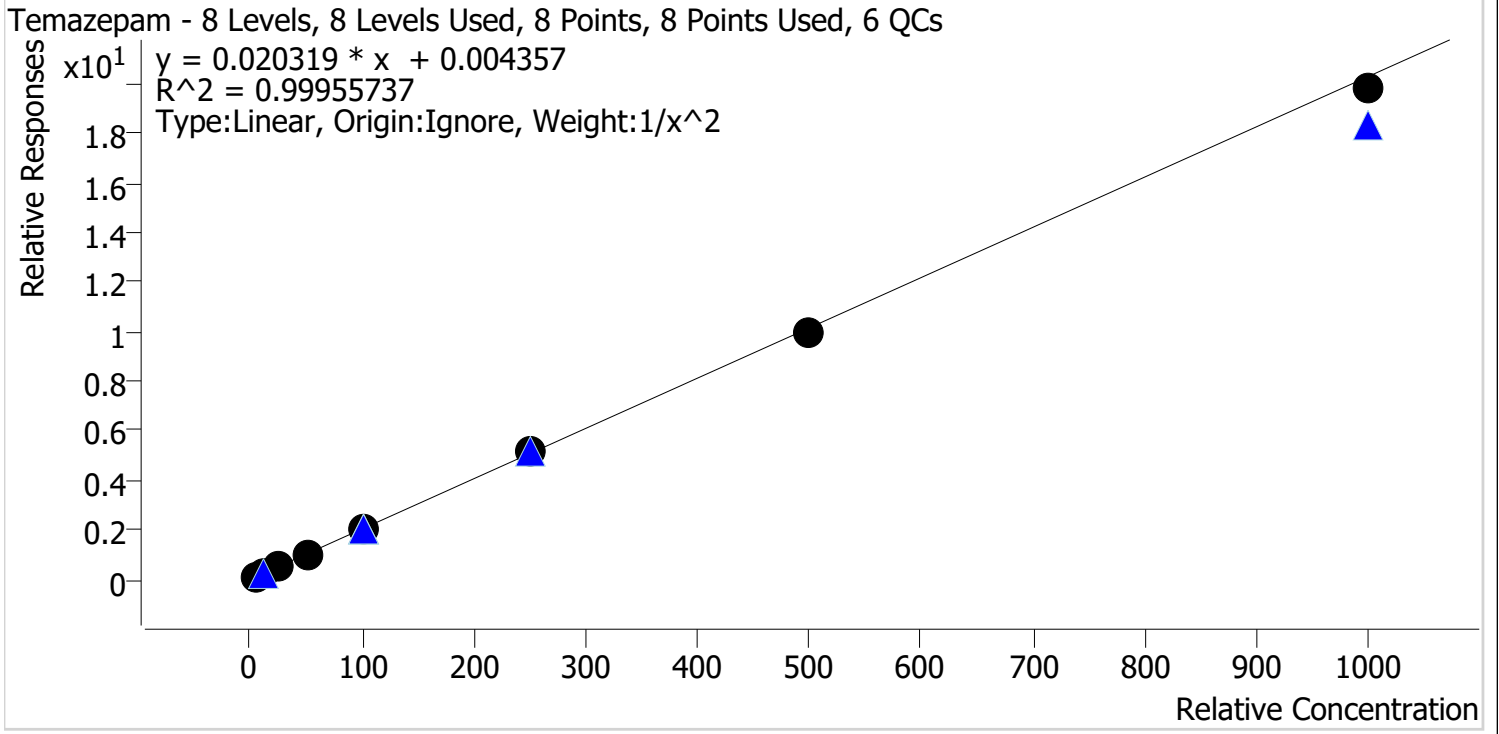
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	48.3	96.7
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	514.5	102.9
p1 Cal 8-1000ng	8	✓	1000.0	1045.4	104.5

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



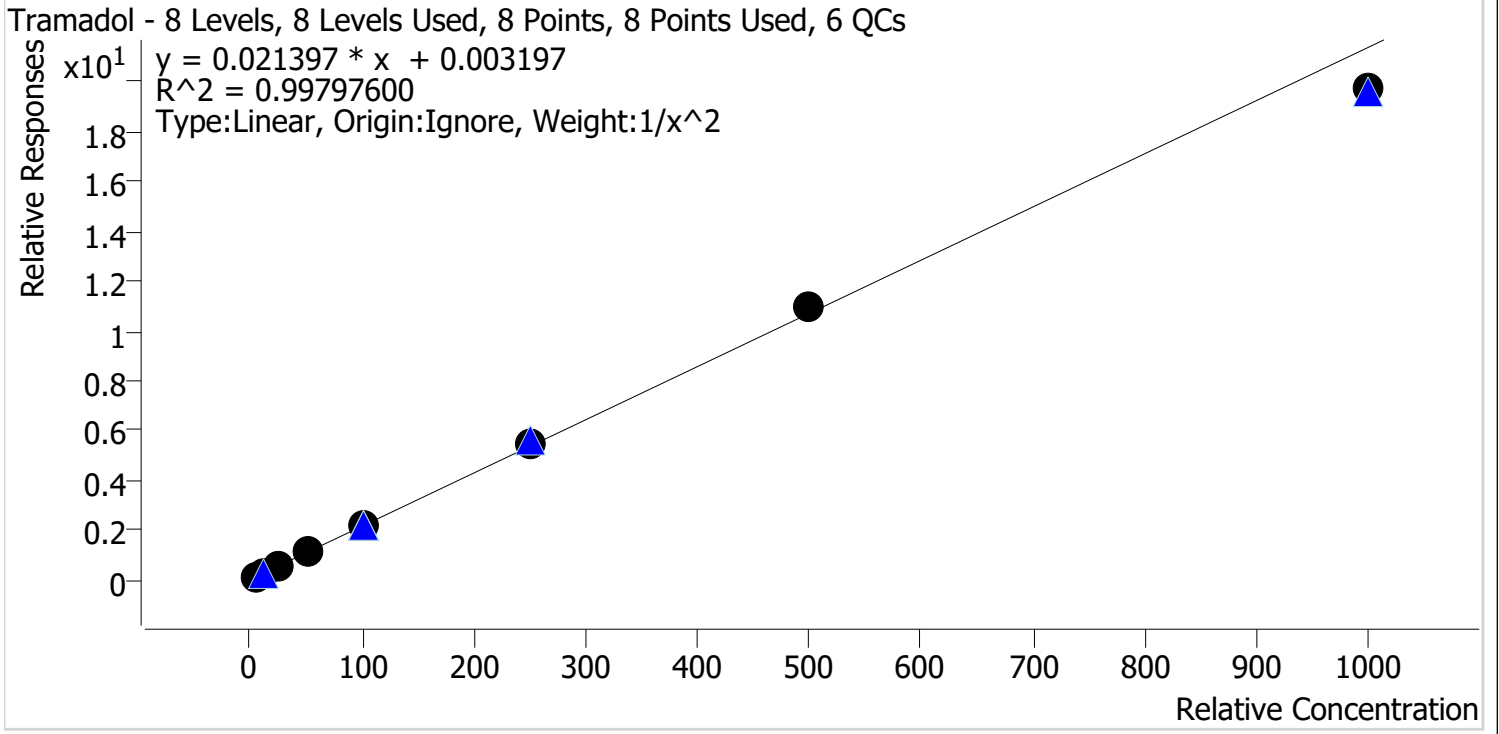
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	492.2	98.4
p1 Cal 8-1000ng	8	✓	1000.0	976.0	97.6

SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	257.9	103.1
p1 Cal 7-500ng	7	✓	500.0	514.0	102.8
p1 Cal 8-1000ng	8	✓	1000.0	922.6	92.3

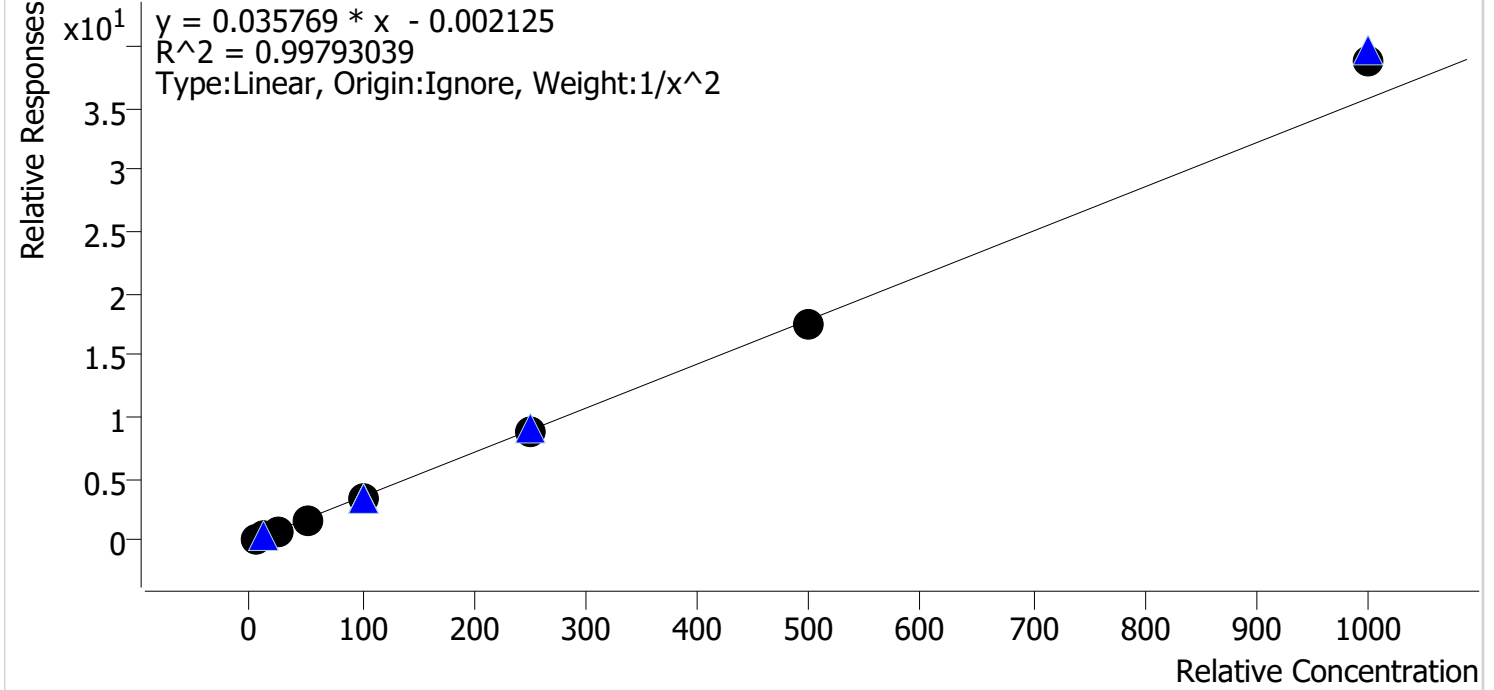
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	248.4	99.3
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1088.6	108.9

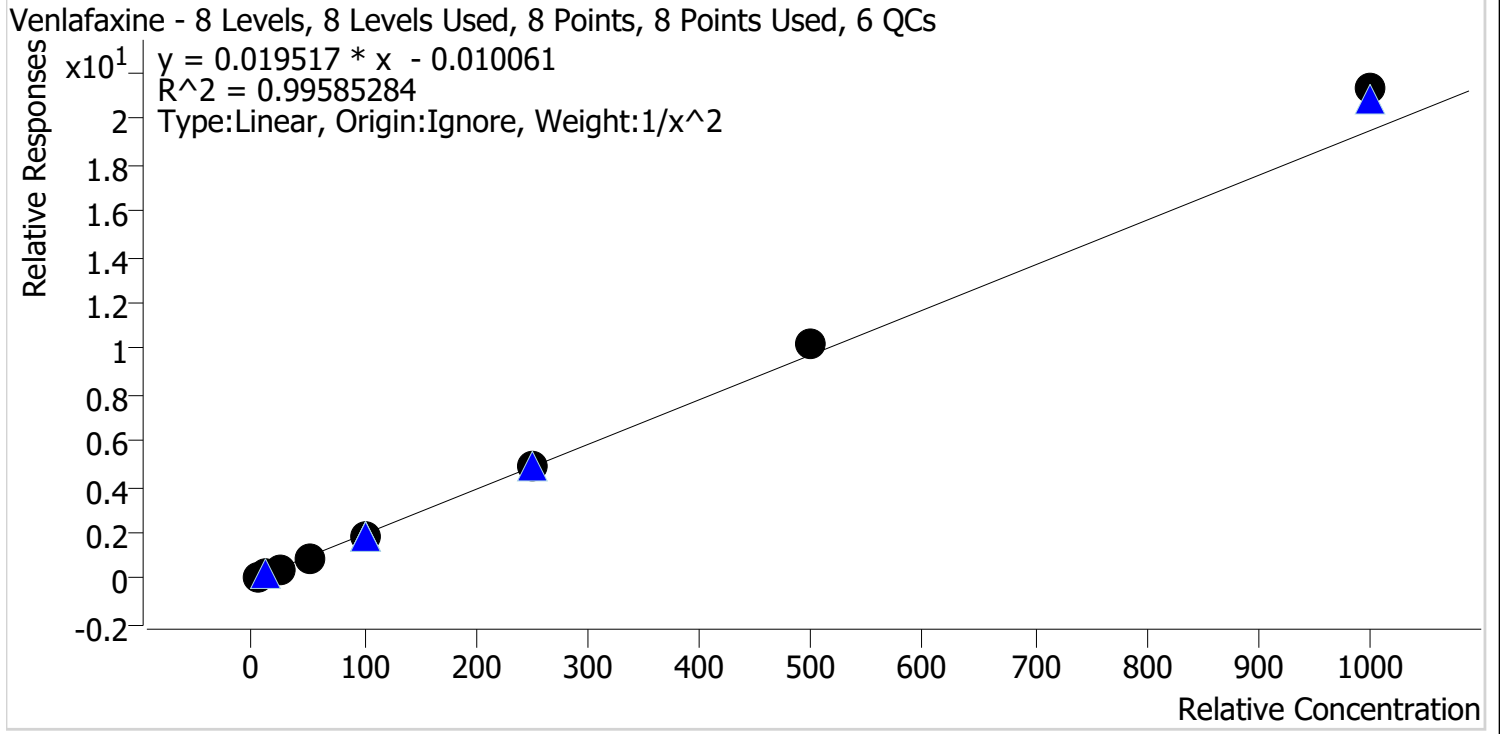


SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 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	104.2
p1 Cal 2-10ng	2	✓	10.0	9.5	94.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	47.4	94.8
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	525.1	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1093.6	109.4

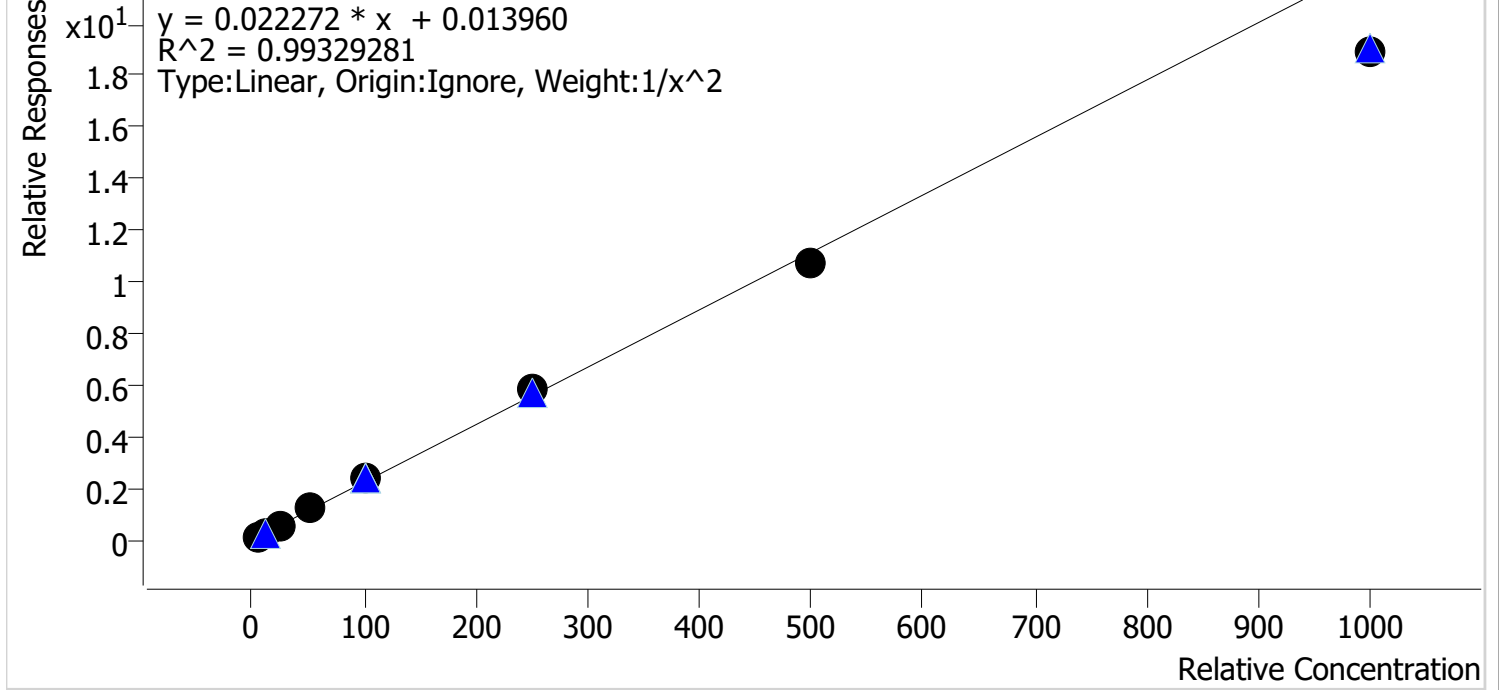
SC



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Last Cal. Update** 9/9/2022 9:11 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	260.8	104.3
p1 Cal 7-500ng	7	✓	500.0	478.8	95.8
p1 Cal 8-1000ng	8	✓	1000.0	850.5	85.0

SC

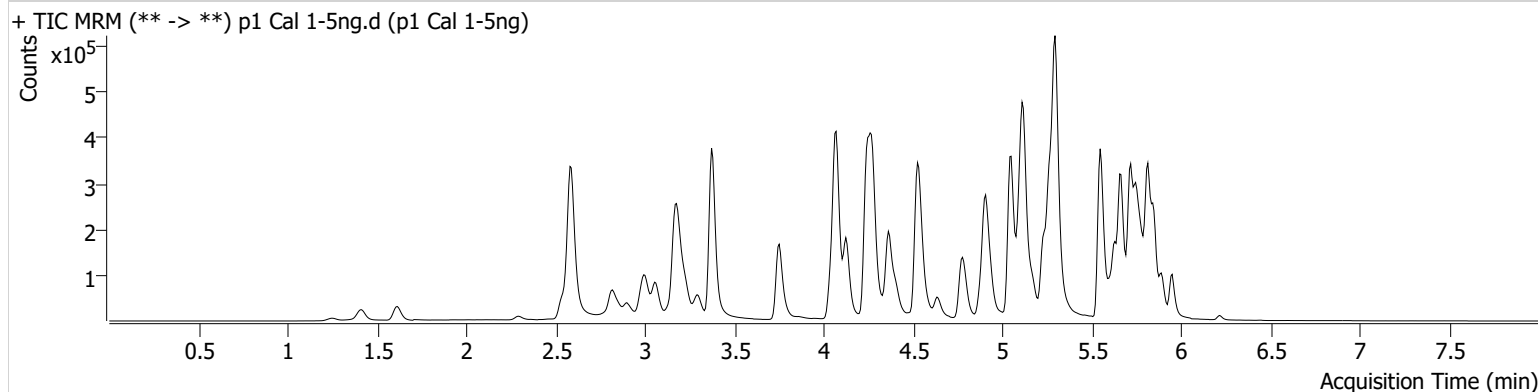


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-H9 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2022 12:07:09 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	844	347.54	75.1	523.04	40586	0.5125 ng/ml
7-aminoclonazepam	4.265	10245	385.30	72.4	31.34	90353	4.8433 ng/ml
a-hydroxyalprazolam	5.695	7926	86.04	74.5	234.98	187258	4.8231 ng/ml
alpha-PHP	4.941	14663	1153.37	263.0	2096.97	408052	4.8717 ng/ml
alpha-PVP	4.370	56948	510.15	49.1	1216.63	408052	5.0918 ng/ml
Alprazolam	5.772	25991	322.97	105.3	183.92	187258	5.0348 ng/ml
Amphetamine	3.064	101301	1011.27	43.3	401.02	174777	4.7681 ng/ml
Buprenorphine	5.857	1212	833.05	18.1	∞	96408	0.4982 ng/ml
Bupropion	4.792	58616	196.00	70.4	108.41	320067	4.9856 ng/ml
Carisoprodol	5.727	26963	57879.13	64.8	290.92	214769	5.1375 ng/ml
Citalopram	5.231	44519	1555.87	31.8	42.19	356017	5.0613 ng/ml
Clonazepam	5.607	28107	3035.15	37.1	7431.65	74509	4.8579 ng/ml
Clonazolam	5.551	19642	25758.22	33.8	6228.58	74509	4.6914 ng/ml
Cocaine	4.271	37372	168.72	57.4	253.51	627881	5.0178 ng/ml
Codeine	2.593	4364	2390.36	103.6	4745.23	39803	4.6795 ng/ml
Cyclobenzaprine	5.631	32491	46393.41	8.5	312.85	271494	5.1096 ng/ml
Dextromethorphan	5.275	22471	277.48	92.6	18799.94	216066	4.9329 ng/ml
Dextrophan	4.131	14901	20236.22	200.1	219.96	324407	5.0757 ng/ml
Diazepam	5.951	18534	169.47	89.7	574.26	159145	4.9722 ng/ml
Dihydrocodeine	2.572	10333	12910.09	67.8	484.31	124404	4.8683 ng/ml
Diphenhydramine	5.296	117742	123.53	29.8	140.01	1178291	5.0970 ng/ml
Doxylamine	4.545	97584	453.75	98.6	2740.70	885387	5.0502 ng/ml
EDDP	5.268	47573	1421.20	42.3	77.05	471752	5.0973 ng/ml
Etizolam	5.817	14192	13694.42	28.1	3942.63	74509	5.1339 ng/ml
Fentanyl	5.108	3496	57.98	63.0	16.81	397773	0.4737 ng/ml
Flualprazolam	5.701	10463	883.31	102.8	2136.17	187258	4.8448 ng/ml
Fluoxetine	5.717	45731	281.60	7.9	208.53	299224	5.0824 ng/ml
Hydrocodone	3.033	17085	139.68	36.6	78.57	180445	4.6423 ng/ml
Hydromorphone	1.622	13883	607.82	70.0	846.22	83768	5.0468 ng/ml
Ketamine	4.057	36930	20814.22	33.3	260.09	255709	4.7959 ng/ml
Lamotrigine	4.294	2945	198.46	83.6	2421.96	255709	4.7710 ng/ml
Lorazepam	5.750	28951	221.95	52.7	92.35	74509	4.7524 ng/ml
MDA	3.205	59693	589.73	34.1	63.87	244414	4.7675 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.298	35430	82741.64	90.7	166.96	66496	4.9740 ng/ml
Meprobamate	4.901	15425	248.53	33.0	198.23	177235	4.7745 ng/ml
Methadone	5.662	70235	238.23	55.8	212.25	498480	5.1197 ng/ml
Methamphetamine	3.232	77227	659.18	39.8	561.20	586589	4.6469 ng/ml
Metoprolol	4.334	10504	623.37	100.1	599.82	748496	4.9960 ng/ml
Mirtazapine	4.634	67248	563.84	57.6	4643.88	408052	5.1377 ng/ml
Mitragynine	5.243	16001	127.34	33.4	4690.98	498480	4.9277 ng/ml
Morphine	1.261	1968	226.08	29.8	112.00	5305	4.9125 ng/ml
Norbuprenorphine	5.004	218	114.10	83.8	211.19	13945	0.5168 ng/ml
Nordiazepam	5.897	20908	45497.59	53.5	355.97	125457	4.9607 ng/ml
Norfentanyl	4.091	9061	137.89	37.0	56.83	659018	0.5226 ng/ml
Norhydrocodone	3.074	2658	371.33	38.1	231.83	47780	5.3273 ng/ml
Noroxycodone	2.924	15613	167.02	49.1	113.17	84958	5.0583 ng/ml
O-desmethyl-tramadol	3.379	85213	1531.25	5.9	214.90	884311	5.1119 ng/ml
Oxazepam	5.753	34193	119.25	74.4	66.19	336699	4.9762 ng/ml
Oxycodone	2.849	29998	438.70	30.6	231.66	212490	4.0758 ng/ml
Oxymorphone	1.418	12868	87.52	48.7	102.55	74024	4.9951 ng/ml
Phentermine	3.787	18179	176.49	8.1	46.58	452597	4.8223 ng/ml
Promethazine	5.547	70626	2317.28	32.9	114.18	627182	5.0718 ng/ml
Pseudoephedrine	2.596	92792	630.48	17.0	988.72	893641	5.1287 ng/ml
Quetiapine	5.564	49380	1543002.69	57.8	149.89	130956	4.9179 ng/ml
Sertraline	5.786	14054	290.03	103.2	14564.21	117396	5.0468 ng/ml
Temazepam	5.820	57775	572.48	29.2	138.48	551587	4.9406 ng/ml
Tramadol	4.253	80937	∞	3.7	57.20	748496	4.9042 ng/ml
Trazodone	5.168	64603	620.11	60.3	70.29	365325	5.0033 ng/ml
Venlafaxine	5.049	76970	376200.83	36.4	139.20	840384	5.2084 ng/ml
Zolpidem	4.925	73574	36793.13	29.3	569.25	603861	4.8437 ng/ml

SC

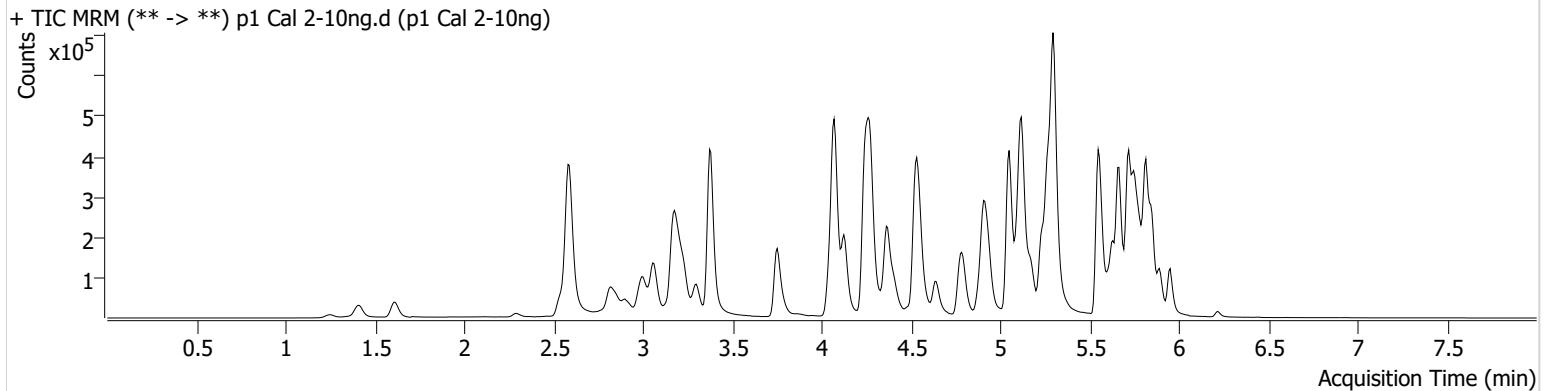


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-G9 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2022 12:17:56 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	1593	754.79	83.1	4404.05	40277	0.9591 ng/ml
7-aminoclonazepam	4.265	22170	54.69	68.7	402.11	95258	10.3779 ng/ml
a-hydroxyalprazolam	5.695	15607	75.97	72.9	12693.31	183566	10.4067 ng/ml
alpha-PHP	4.941	28980	286.18	266.2	721.72	413438	10.1079 ng/ml
alpha-PVP	4.377	112279	3352.44	50.2	181.35	413438	9.8322 ng/ml
Alprazolam	5.772	53862	453.46	107.4	815.80	183566	10.0452 ng/ml
Amphetamine	3.064	202427	2336.33	42.9	618.46	179157	10.4797 ng/ml
Buprenorphine	5.857	2783	1955.94	12.6	1264.22	97076	1.0452 ng/ml
Bupropion	4.792	114454	∞	71.4	223.87	321525	9.9773 ng/ml
Carisoprodol	5.727	52975	119922.59	64.7	285.90	209029	9.8025 ng/ml
Citalopram	5.231	87546	920.75	31.3	40615.61	352422	9.9290 ng/ml
Clonazepam	5.607	53786	447.43	35.4	88.14	73357	10.1416 ng/ml
Clonazepam	5.551	38533	52043.17	33.5	20596.12	73357	10.6333 ng/ml
Cocaine	4.271	75043	55191.32	56.3	139.69	630995	10.0579 ng/ml
Codeine	2.593	8869	2950.23	96.1	102056.93	40423	10.5459 ng/ml
Cyclobenzaprine	5.631	61266	58523.02	8.8	56.94	256345	9.8406 ng/ml
Dextromethorphan	5.275	47304	29902.12	84.3	929.29	210078	10.3807 ng/ml
Dextrophan	4.131	29840	35842.69	199.2	24000.98	323940	9.8686 ng/ml
Diazepam	5.951	36982	1484.99	90.7	160.09	160944	10.0227 ng/ml
Dihydrocodeine	2.565	21028	752.52	69.9	1228.21	128745	10.1316 ng/ml
Diphenhydramine	5.303	228864	2800.40	29.4	628.36	1170950	9.7895 ng/ml
Doxylamine	4.545	202897	2801.88	96.3	8219.05	920715	9.8860 ng/ml
EDDP	5.268	96895	1947.41	42.4	159.96	498529	9.7341 ng/ml
Etizolam	5.817	28180	53324.25	28.8	138.39	73357	9.7948 ng/ml
Fentanyl	5.108	7288	20.13	60.2	45191.96	378179	1.0720 ng/ml
Flualprazolam	5.701	20238	486.86	97.0	994.24	183566	10.3092 ng/ml
Fluoxetine	5.717	90074	812.10	7.2	10939.18	293536	9.9089 ng/ml
Hydrocodone	3.033	35867	745.95	37.4	113.23	175521	11.0014 ng/ml
Hydromorphone	1.615	27777	1229.13	76.7	1116.25	86006	9.8832 ng/ml
Ketamine	4.057	73263	1456.92	32.4	266.03	260344	10.3282 ng/ml
Lamotrigine	4.287	5940	54.18	86.7	5850.28	260344	10.4705 ng/ml
Lorazepam	5.750	57259	971.92	53.0	109.22	73357	10.8619 ng/ml
MDA	3.205	117387	615.46	32.0	38.61	241936	10.4363 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.298	71032	52954.53	92.3	482.26	66414	10.1008 ng/ml
Meprobamate	4.908	29191	229.52	30.6	318.24	176113	10.2763 ng/ml
Methadone	5.662	138117	750.35	56.2	497.91	503153	9.7209 ng/ml
Methamphetamine	3.232	151585	480.97	37.8	805.63	591397	10.9872 ng/ml
Metoprolol	4.334	20001	39762.07	100.4	327.85	756255	9.8147 ng/ml
Mirtazapine	4.641	135243	1659.40	57.0	21768.55	413438	9.7412 ng/ml
Mitragynine	5.243	31561	1017.36	34.0	183.71	503153	9.9725 ng/ml
Morphine	1.253	4060	525.85	31.1	352.17	5175	10.3984 ng/ml
Norbuprenorphine	5.004	352	264.98	90.0	353.15	13877	0.9583 ng/ml
Nordiazepam	5.897	41062	325.18	55.2	366.44	124659	10.1369 ng/ml
Norfentanyl	4.091	18409	2938.53	34.8	44.90	691114	0.9543 ng/ml
Norhydrocodone	3.081	5276	68.88	37.6	43.82	49548	9.2085 ng/ml
Noroxycodone	2.924	31367	120.62	50.0	591.08	89672	9.8513 ng/ml
O-desmethyl-tramadol	3.379	169624	1103.65	5.7	329.36	907698	9.7300 ng/ml
Oxazepam	5.753	66747	1629.37	74.9	109.98	332244	10.0344 ng/ml
Oxycodone	2.849	62275	632.45	30.7	261.19	223897	9.7136 ng/ml
Oxymorphone	1.411	26464	251.62	48.9	189.47	76942	10.0111 ng/ml
Phentermine	3.787	36637	255.68	7.2	36.84	459863	10.3022 ng/ml
Promethazine	5.547	137357	825.83	32.5	359.26	600172	9.9002 ng/ml
Pseudoephedrine	2.596	187793	1166.38	17.3	705.70	899302	9.7946 ng/ml
Quetiapine	5.564	100957	183760.33	57.8	191.22	131455	10.2677 ng/ml
Sertraline	5.786	30337	847.32	96.4	769.37	123126	10.0346 ng/ml
Temazepam	5.820	116216	295.58	28.0	251.85	546833	10.2452 ng/ml
Tramadol	4.253	170780	348.85	3.4	26.97	756255	10.4045 ng/ml
Trazodone	5.168	125742	33749.91	61.4	209954.75	347419	10.1780 ng/ml
Venlafaxine	5.049	148615	443.24	37.6	223.87	850810	9.4656 ng/ml
Zolpidem	4.925	147082	1349.89	28.6	46214.97	603084	10.3234 ng/ml

SC

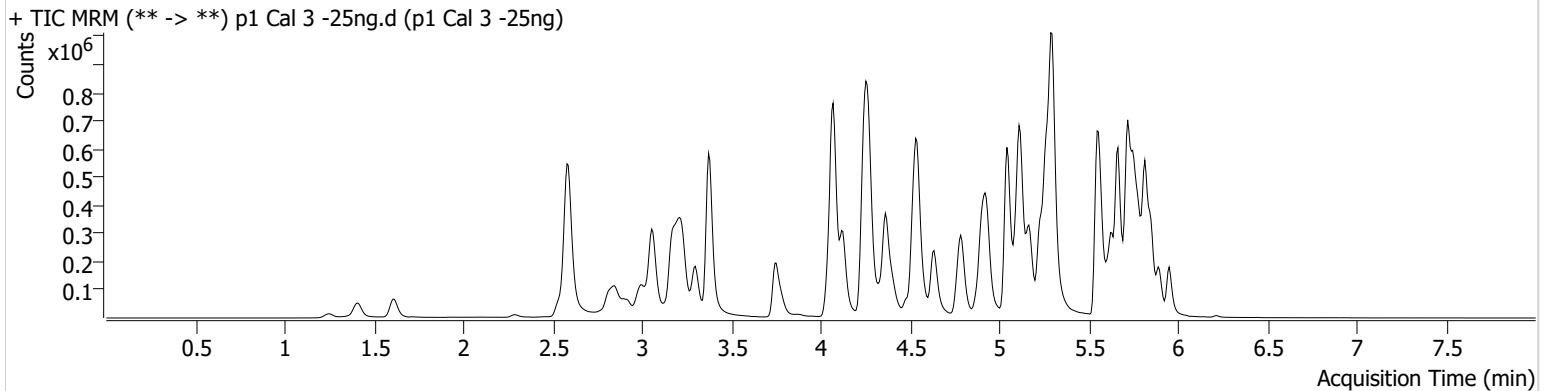


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-F9 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2022 12:28:32 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	4783	598.51	68.7	340.20	46071	2.4881 ng/ml
7-aminoclonazepam	4.265	63019	147.85	62.8	2476.73	110425	26.0502 ng/ml
a-hydroxyalprazolam	5.695	40080	494.60	72.7	493.91	192477	26.5188 ng/ml
alpha-PHP	4.935	83336	411.86	258.1	13596.05	472978	26.3711 ng/ml
alpha-PVP	4.370	315165	443.75	49.6	2330.64	472978	24.0081 ng/ml
Alprazolam	5.772	141293	361.85	108.1	951.80	192477	24.3242 ng/ml
Amphetamine	3.057	552019	1533.69	43.1	1077.52	200389	27.3446 ng/ml
Benzoylecgonine	3.884	4948	221.37	9.6	188.69	7110	24.8887 ng/ml
Buprenorphine	5.857	7345	1601.33	15.5	692.94	107709	2.3877 ng/ml
Bupropion	4.792	317002	225.49	72.6	587.57	355956	25.4170 ng/ml
Carisoprodol	5.727	134874	6076.98	63.4	573.62	213995	23.5477 ng/ml
Citalopram	5.225	246566	11440.44	32.8	73050.27	402223	24.3149 ng/ml
Clonazepam	5.607	141005	29811.65	35.4	236.04	77623	26.2212 ng/ml
Clonazepam	5.551	98815	94529.23	34.2	22967.68	77623	27.6127 ng/ml
Cocaine	4.271	204039	9627.86	58.3	485.43	708699	24.3936 ng/ml
Codeine	2.586	24402	59853.79	101.2	68.42	44530	28.1040 ng/ml
Cyclobenzaprine	5.631	176475	7578.82	8.3	413.87	298376	23.8148 ng/ml
Dextromethorphan	5.275	130663	507.26	85.7	227.48	243943	24.3387 ng/ml
Dextrophan	4.124	83514	169245.10	198.5	489.33	359047	24.4477 ng/ml
Diazepam	5.951	96028	388.30	90.9	208.41	168099	25.2421 ng/ml
Dihydrocodeine	2.565	59560	13697.64	69.6	1911.94	143157	26.7030 ng/ml
Diphenhydramine	5.296	637734	380.39	29.8	408.57	1304551	24.2026 ng/ml
Doxylamine	4.538	572585	3898.28	96.3	2699.80	1029789	24.6211 ng/ml
EDDP	5.261	274664	∞	43.1	380.69	555713	24.6033 ng/ml
Etizolam	5.817	74899	246810.81	27.0	3276.71	77623	23.7711 ng/ml
Fentanyl	5.108	20379	1011.07	63.8	20398.02	438209	2.6265 ng/ml
Flualprazolam	5.701	51526	779.88	102.7	12362.50	192477	26.1329 ng/ml
Fluoxetine	5.717	225182	14550.74	7.3	3611.98	300668	23.7619 ng/ml
Hydrocodone	3.026	95624	152.74	37.3	118.24	202425	26.5446 ng/ml
Hydromorphone	1.615	76940	122.95	79.6	150128.09	95751	24.6652 ng/ml
Ketamine	4.057	199838	614.58	33.5	506.81	291007	26.6969 ng/ml
Lamotrigine	4.287	15892	1277.41	92.8	472.91	291007	26.5132 ng/ml
Lorazepam	5.750	135800	2288.48	54.2	511.63	77623	25.9632 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	321220	1786.12	32.3	156.43	268344	27.1824 ng/ml
MDMA	3.298	198565	3420.17	92.1	780.87	75422	25.0327 ng/ml
Meprobamate	4.901	78553	14771.16	30.7	1523.66	189972	27.5917 ng/ml
Methadone	5.662	391954	874.39	54.8	557.61	562776	24.2527 ng/ml
Methamphetamine	3.232	393553	688.32	38.6	376.29	678937	27.4325 ng/ml
Metoprolol	4.327	57110	5328.96	102.3	538.42	841226	25.9003 ng/ml
Mirtazapine	4.634	387241	3466.15	56.3	31407.01	472978	23.6837 ng/ml
Mitragynine	5.236	91766	951.35	34.3	48323.40	562776	26.5000 ng/ml
Morphine	1.253	11077	369.97	30.2	2186.62	6000	24.4860 ng/ml
Norbuprenorphine	4.997	904	4166.28	93.1	455.60	15727	2.4107 ng/ml
Nordiazepam	5.897	105265	739.05	56.8	467.08	131496	25.1221 ng/ml
Norfentanyl	4.085	49964	3541.12	37.0	53.33	748018	2.2993 ng/ml
Norhydrocodone	3.074	13817	109.97	36.4	33.57	49829	22.2427 ng/ml
Noroxycodone	2.924	83004	202.52	49.8	168.24	97083	24.4350 ng/ml
O-desmethyl-tramadol	3.379	473454	9635.15	5.8	201.13	1006106	24.2053 ng/ml
Oxazepam	5.753	171177	1562.85	71.5	1296.68	347701	24.8718 ng/ml
Oxycodone	2.842	172483	761.96	29.6	775.23	252216	26.4141 ng/ml
Oxymorphone	1.411	73531	384.77	48.6	198.48	86570	24.9149 ng/ml
Phentermine	3.780	104063	479.54	6.6	240.73	526381	26.6741 ng/ml
Promethazine	5.547	395713	1010.86	32.1	6301.10	685661	24.3644 ng/ml
Pseudoephedrine	2.589	527229	5912.59	17.4	174.17	1005621	23.8145 ng/ml
Quetiapine	5.564	277040	1006070.95	56.8	463.90	149383	25.1374 ng/ml
Sertraline	5.786	69348	872.43	98.0	3918.82	115028	24.0708 ng/ml
Temazepam	5.820	294075	1898.05	28.6	208.31	581673	24.6674 ng/ml
Tramadol	4.246	444984	∞	3.5	179.30	841226	24.5720 ng/ml
Trazodone	5.161	354401	145098.53	62.3	254829.82	408000	24.3440 ng/ml
Venlafaxine	5.042	439183	9262.12	35.6	10383.32	962701	23.8904 ng/ml
Zolpidem	4.925	407417	3781.03	28.8	428.36	689043	25.9211 ng/ml



SC

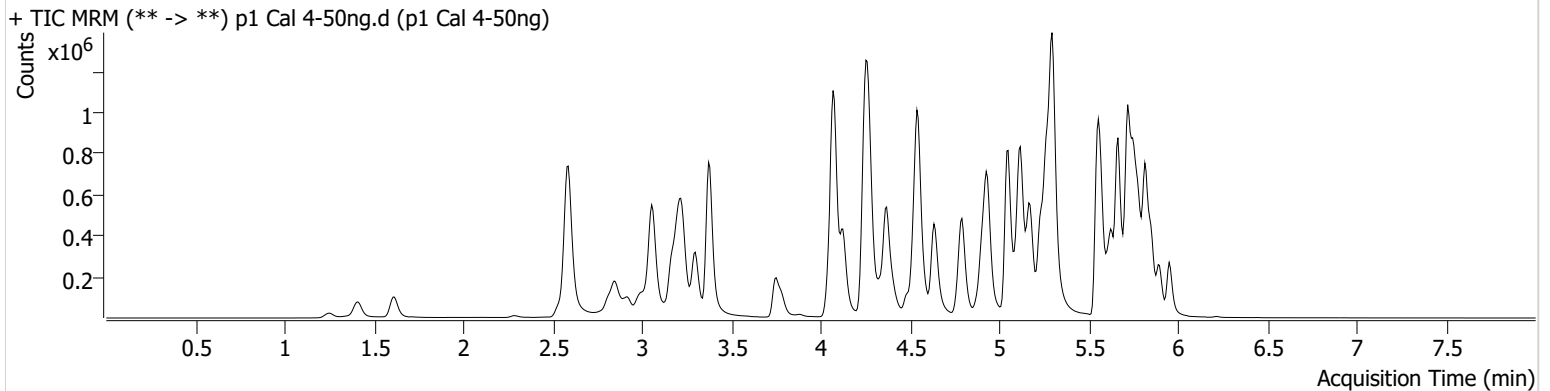


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-E9 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2022 12:39:10 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	9083	20782.21	68.1	209.94	45066	4.8139 ng/ml
7-aminoclonazepam	4.265	112769	5048.45	68.6	∞	99249	52.2752 ng/ml
a-hydroxyalprazolam	5.695	76476	233.94	71.7	194.77	190253	51.8534 ng/ml
alpha-PHP	4.935	160820	1420.84	258.8	1124.87	452839	53.7999 ng/ml
alpha-PVP	4.370	616153	11943.29	50.3	4997.21	452839	48.9401 ng/ml
Alprazolam	5.772	276194	1438.47	106.5	394.67	190253	47.5788 ng/ml
Amphetamine	3.057	1045590	5206.90	42.4	1150.98	197545	53.6891 ng/ml
Benzoylecgonine	3.884	9591	410.16	8.1	73.68	6746	50.7246 ng/ml
Buprenorphine	5.857	14502	8694.99	15.7	2470.71	109184	4.5830 ng/ml
Bupropion	4.792	629209	32416.13	72.5	3563.99	361805	49.9231 ng/ml
Carisoprodol	5.727	248913	335096.88	62.6	1764.24	194041	47.3489 ng/ml
Citalopram	5.231	473468	411.14	32.6	1591.49	390047	48.0235 ng/ml
Clonazepam	5.607	275730	17340.33	36.2	380.62	73826	54.6941 ng/ml
Clonazolam	5.551	183201	275642.01	36.9	63874.13	73826	55.0559 ng/ml
Cocaine	4.271	393411	5029.61	57.0	7113.78	677755	49.2134 ng/ml
Codeine	2.586	46355	381.24	100.1	1011.27	43630	55.5971 ng/ml
Cyclobenzaprine	5.631	328404	373.34	8.8	194.71	275967	47.5469 ng/ml
Dextromethorphan	5.275	250052	378.16	85.0	5038.91	224929	50.2381 ng/ml
Dextrophan	4.124	161636	16593.01	199.5	19543.73	351246	48.0655 ng/ml
Diazepam	5.951	193101	5896.72	90.4	12617.05	169440	50.5744 ng/ml
Dihydrocodeine	2.565	114461	2921.28	70.0	2164.29	140074	53.0040 ng/ml
Diphenhydramine	5.296	1253074	1628.22	30.2	5220.33	1265508	48.8294 ng/ml
Doxylamine	4.545	1124955	14016.62	95.2	5317.01	1011214	49.0497 ng/ml
EDDP	5.268	532741	364.93	40.6	4631.77	542834	48.7570 ng/ml
Etizolam	5.817	146131	99197.28	28.5	63719.51	73826	48.1853 ng/ml
Fentanyl	5.108	38468	83.74	65.5	67542.31	419727	5.2035 ng/ml
Flualprazolam	5.701	100737	4278.67	101.1	9685.65	190253	52.4425 ng/ml
Fluoxetine	5.717	380814	520.08	7.5	70004.24	245928	48.8161 ng/ml
Hydrocodone	3.026	185775	228.76	37.1	442.14	197165	53.7893 ng/ml
Hydromorphone	1.615	148508	568702.28	78.2	387185.04	92114	49.5393 ng/ml
Ketamine	4.057	390873	14469.22	33.2	444.85	285485	54.2583 ng/ml
Lamotrigine	4.287	31696	803.36	89.3	102.27	285485	54.9770 ng/ml
Lorazepam	5.750	254794	8612.82	52.7	521.40	73826	52.4868 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	603486	4838.59	31.7	207.21	260041	53.6169 ng/ml
MDMA	3.298	378129	4873.30	94.9	3573.89	72809	49.4930 ng/ml
Meprobamate	4.901	148227	9655.54	29.6	18157.11	184422	54.8665 ng/ml
Methadone	5.662	756401	37158.04	56.1	6307.50	546685	47.9174 ng/ml
Methamphetamine	3.226	706151	1008.93	38.8	4064.47	664825	51.9725 ng/ml
Metoprolol	4.334	111680	129505.10	102.0	4539.45	832959	51.5916 ng/ml
Mirtazapine	4.634	755516	11075.55	56.3	423.51	452839	47.7813 ng/ml
Mitragynine	5.243	171008	154453.73	34.4	238.12	546685	51.1672 ng/ml
Morphine	1.253	21008	846.79	29.8	832.09	5579	49.9499 ng/ml
Norbuprenorphine	4.997	1634	312.96	103.7	118.33	15442	4.5983 ng/ml
Nordiazepam	5.897	205271	648.83	56.0	4625.32	130907	49.5359 ng/ml
Norfentanyl	4.091	96225	207.92	35.8	250.68	706289	4.6252 ng/ml
Norhydrocodone	3.074	26667	121.15	37.0	48.70	44529	46.7822 ng/ml
Noroxycodone	2.917	159866	466.00	49.3	2437.90	91229	50.3409 ng/ml
O-desmethyl-tramadol	3.379	931803	1130.77	5.8	738.85	979478	48.7337 ng/ml
Oxazepam	5.753	323588	1988.92	71.4	2250.12	318893	51.4708 ng/ml
Oxycodone	2.842	328868	950.67	30.8	1447.40	245940	53.3058 ng/ml
Oxymorphone	1.411	144235	∞	47.2	252.25	84376	50.2743 ng/ml
Phentermine	3.780	200291	488.68	6.8	312.19	515915	53.1035 ng/ml
Promethazine	5.547	750151	10177.71	32.2	953.24	651659	48.2047 ng/ml
Pseudoephedrine	2.589	1022031	2177.46	17.4	1891.09	970191	47.3315 ng/ml
Quetiapine	5.564	523239	9364.32	59.4	377780.06	140040	50.8900 ng/ml
Sertraline	5.786	111035	1707.52	97.3	581.48	91049	48.3498 ng/ml
Temazepam	5.820	562751	6393.67	27.6	243.67	543267	50.7663 ng/ml
Tramadol	4.253	914419	515.43	3.4	116.54	832959	51.1561 ng/ml
Trazodone	5.168	683380	40235.20	61.3	142594.48	393966	48.5547 ng/ml
Venlafaxine	5.049	864324	2837.40	35.3	2967.66	944803	47.3894 ng/ml
Zolpidem	4.925	783749	854348.05	29.0	2813.96	662452	52.4934 ng/ml

SC

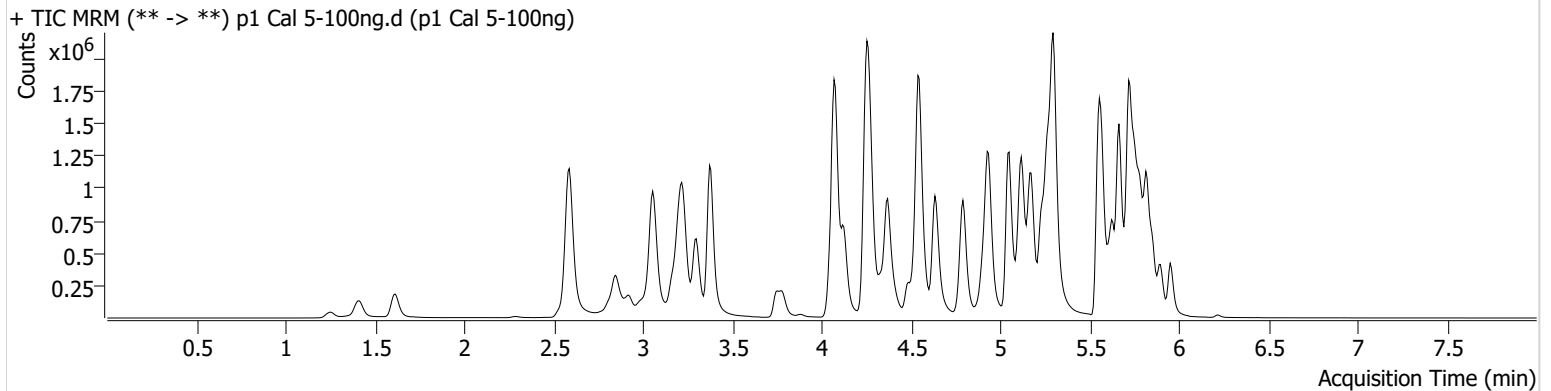


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-D9 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2022 12:49:46 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	18723	631.27	74.4	326.82	45339	9.8451 ng/ml
7-aminoclonazepam	4.265	213048	4312.57	71.9	1650.44	96548	101.9138 ng/ml
a-hydroxyalprazolam	5.695	134478	1807.45	72.0	500.89	167726	104.1352 ng/ml
alpha-PHP	4.941	314141	3955.78	262.3	4583.75	453524	105.5369 ng/ml
alpha-PVP	4.370	1256694	176562.64	50.4	26413.86	453524	99.5832 ng/ml
Alprazolam	5.772	520162	796.98	104.5	1337.32	167726	101.0311 ng/ml
Amphetamine	3.057	1952331	545.30	42.9	497.53	202506	98.8180 ng/ml
Benzoylcegonine	3.884	19483	40870.45	8.0	3872.56	6978	99.5022 ng/ml
Buprenorphine	5.857	29970	1544.22	15.7	6854.82	106744	9.6086 ng/ml
Bupropion	4.792	1287489	42016.67	73.0	430.67	367766	100.8046 ng/ml
Carisoprodol	5.727	419129	278011.15	61.8	388.16	157077	97.8872 ng/ml
Citalopram	5.231	957106	11585.55	32.0	28925.25	378261	99.9650 ng/ml
Clonazepam	5.607	499776	35404.80	36.0	5482.25	70170	104.9735 ng/ml
Clonazepam	5.551	325910	311315.94	36.6	222097.62	70170	104.1746 ng/ml
Cocaine	4.271	797262	1179.25	56.9	11659.56	681324	99.2426 ng/ml
Codeine	2.586	86104	1489.77	103.9	48518.31	42849	106.2072 ng/ml
Cyclobenzaprine	5.631	754733	39208.49	8.2	166.47	302689	99.2255 ng/ml
Dextromethorphan	5.275	502669	6327.06	84.2	11504.41	230182	98.4390 ng/ml
Dextroprhan	4.124	331665	16262.05	200.3	93087.39	350179	98.6006 ng/ml
Diazepam	5.951	365043	1239.93	89.0	4686.95	158622	102.3497 ng/ml
Dihydrocodeine	2.565	232831	239.73	68.7	241.96	145636	104.2535 ng/ml
Diphenhydramine	5.296	2554262	1696.47	29.9	32778.67	1271694	98.8560 ng/ml
Doxylamine	4.545	2368773	5065.40	95.0	10785.86	1037355	100.4565 ng/ml
EDDP	5.268	1032114	43985.61	41.8	525.65	523500	97.8507 ng/ml
Etizolam	5.817	268812	4878.73	28.4	70090.79	70170	92.7420 ng/ml
Fentanyl	5.108	85976	2679.89	64.5	91136.15	456548	10.7215 ng/ml
Flualprazolam	5.701	180361	1931.42	99.0	39612.46	167726	107.2989 ng/ml
Fluoxetine	5.717	974556	7165612.90	7.4	215.99	306642	99.8832 ng/ml
Hydrocodone	3.026	372632	252.38	37.5	132.08	202229	106.0004 ng/ml
Hydromorphone	1.615	307647	2754.15	79.2	53570.41	95125	99.4281 ng/ml
Ketamine	4.057	774471	17120.38	33.5	317.03	290198	106.7451 ng/ml
Lamotrigine	4.287	61346	984.27	89.4	19806.87	290198	105.6159 ng/ml
Lorazepam	5.750	399846	1740.93	54.5	896.06	70170	87.5073 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	1123750	5345.61	31.4	240.15	248174	105.5442 ng/ml
MDMA	3.298	786182	2376.43	91.4	2460.68	73684	101.8024 ng/ml
Meprobamate	4.901	283244	427.28	28.4	3827.63	180406	108.4246 ng/ml
Methadone	5.662	1560497	21392.76	53.8	13623.73	541838	99.4514 ng/ml
Methamphetamine	3.226	1389899	4101.30	38.4	2186.55	693763	99.8451 ng/ml
Metoprolol	4.334	223482	5477.69	102.0	3625.21	862924	100.0752 ng/ml
Mirtazapine	4.634	1577220	28496.95	55.8	45626.70	453524	99.0948 ng/ml
Mitragynine	5.243	342813	194477.94	35.9	223266.02	541838	103.8589 ng/ml
Morphine	1.253	44689	2627.51	29.8	1550.67	5723	103.5862 ng/ml
Norbuprenorphine	4.997	3736	162.35	98.8	1126.49	16175	10.2631 ng/ml
Nordiazepam	5.897	384663	1785.52	55.9	4105.15	120234	101.4201 ng/ml
Norfentanyl	4.091	194089	193.79	36.7	734.84	667913	9.7949 ng/ml
Norhydrocodone	3.074	50557	∞	39.5	159.17	38774	100.5827 ng/ml
Noroxycodone	2.917	313378	863.23	48.8	1079.84	90976	99.1931 ng/ml
O-desmethyl-tramadol	3.379	1918668	1103.10	5.9	632.04	997517	98.3327 ng/ml
Oxazepam	5.753	538603	249.00	73.9	5902.98	265986	102.9059 ng/ml
Oxycodone	2.842	674894	935.83	31.2	1057.62	250187	109.3011 ng/ml
Oxymorphone	1.411	286568	∞	48.2	∞	83733	100.7840 ng/ml
Phentermine	3.780	403912	244.55	6.3	99.40	524861	106.0009 ng/ml
Promethazine	5.547	1667776	686.18	32.4	686.11	714030	97.4035 ng/ml
Pseudoephedrine	2.589	2066588	1373.94	17.2	145.20	945389	97.6644 ng/ml
Quetiapine	5.564	1058198	86716.57	58.5	11156.41	143126	100.9376 ng/ml
Sertraline	5.786	393085	330.52	95.2	84995.75	158074	98.2441 ng/ml
Temazepam	5.820	989746	1900.11	27.8	1228.44	477757	101.7432 ng/ml
Tramadol	4.253	1831765	∞	3.5	122.66	862924	99.0569 ng/ml
Trazodone	5.168	1423451	182800.83	64.9	785.76	411302	96.8153 ng/ml
Venlafaxine	5.049	1759037	1317.21	34.8	1838.04	941305	96.2659 ng/ml
Zolpidem	4.925	1608758	37537.15	28.8	1333.22	676750	106.1064 ng/ml

SC

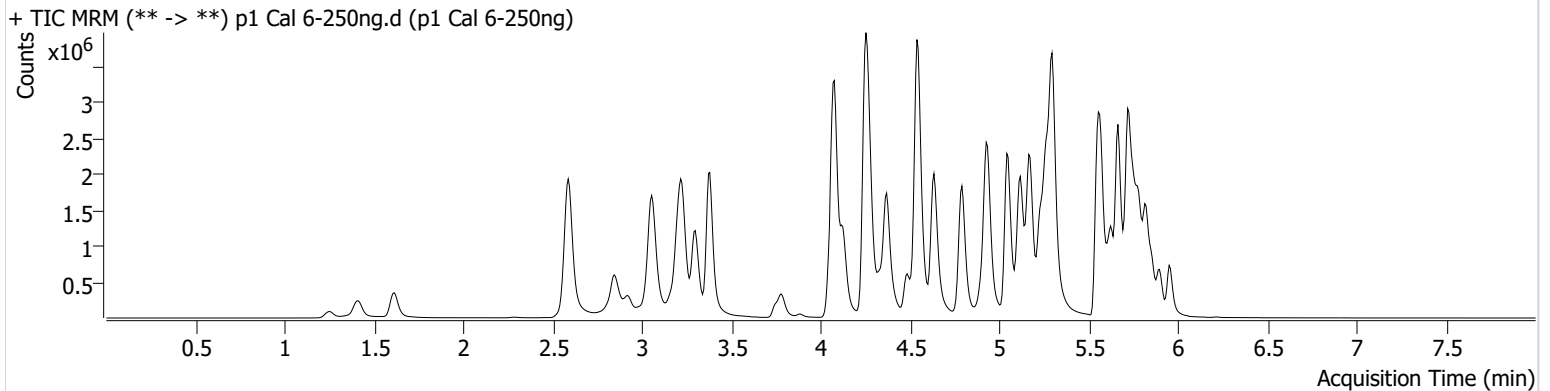


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-C9 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2022 1:00:24 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	44554	74332.09	67.2	52456.18	41042	25.8520 ng/ml
7-aminoclonazepam	4.265	383864	222.23	75.0	2976.60	73454	241.9253 ng/ml
a-hydroxyalprazolam	5.695	222534	723.99	69.0	437.66	135607	213.8817 ng/ml
alpha-PHP	4.935	633381	21334.04	262.7	6383.45	388973	248.9593 ng/ml
alpha-PVP	4.370	2682304	1066.37	50.7	4675.12	388973	247.7058 ng/ml
Alprazolam	5.772	1054475	1509.82	102.5	898.15	135607	252.5108 ng/ml
Amphetamine	3.057	3588701	1331.11	44.0	2052.15	175771	210.6660 ng/ml
Benzoylecgonine	3.884	44630	1560.62	8.0	472.00	6471	245.6197 ng/ml
Buprenorphine	5.857	66340	525.28	15.8	13104.90	92667	24.3895 ng/ml
Bupropion	4.792	2844786	88730.64	70.8	21583.08	317754	258.2640 ng/ml
Carisoprodol	5.727	688486	1957865.97	63.2	2566.73	104485	240.9094 ng/ml
Citalopram	5.225	1968917	10677.21	32.3	13813.10	304023	255.6606 ng/ml
Clonazepam	5.607	940159	17879.91	34.6	456969.83	52615	264.4766 ng/ml
Clonazepam	5.551	550002	8109.80	37.3	192227.18	52615	236.0801 ng/ml
Cocaine	4.271	1633134	33611.49	56.9	603.27	549677	252.0283 ng/ml
Codeine	2.593	166146	5597.17	100.5	2187.68	36159	244.3729 ng/ml
Cyclobenzaprine	5.631	1448834	1487.43	8.1	230.52	226843	253.5988 ng/ml
Dextromethorphan	5.275	980920	45365.94	82.6	15756.77	178900	246.7731 ng/ml
Dextrophan	4.124	703738	68314.45	199.7	1338.71	294145	248.5974 ng/ml
Diazepam	5.951	745126	604.95	88.7	3005.76	128845	257.5294 ng/ml
Dihydrocodeine	2.565	469259	7917.27	71.3	6369.88	128257	239.3349 ng/ml
Diphenhydramine	5.296	5230038	44069.40	30.2	31731.78	1035395	248.3253 ng/ml
Doxylamine	4.538	5318160	287585.89	94.4	3640.36	932119	250.6815 ng/ml
EDDP	5.261	2180342	327482.56	41.8	1884.45	427778	252.8100 ng/ml
Etizolam	5.817	534566	12475.44	27.8	166565.72	52615	245.0541 ng/ml
Fentanyl	5.108	166818	6167.19	63.5	108094.51	380740	24.9819 ng/ml
Flualprazolam	5.701	326652	8554.01	106.4	14330.53	135607	241.3127 ng/ml
Fluoxetine	5.717	1333421	79294.01	7.5	2089.78	166641	251.0346 ng/ml
Hydrocodone	3.026	748831	255.29	38.7	312.20	173160	249.9184 ng/ml
Hydromorphone	1.615	653421	2827.69	79.0	4689.59	79393	253.1018 ng/ml
Ketamine	4.057	1603521	1996.63	33.1	6570.51	255041	252.8843 ng/ml
Lamotrigine	4.287	121642	282.60	91.2	150182.73	255041	239.6018 ng/ml
Lorazepam	5.743	577686	16534.51	53.4	1444.30	52615	169.8190 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.205	2009345	5303.46	30.5	924.77	201666	233.4173 ng/ml
MDMA	3.298	1640910	12908.91	93.1	2580.67	62366	251.2102 ng/ml
Meprobamate	4.901	499518	13552.44	29.6	13521.62	149511	232.2016 ng/ml
Methadone	5.662	3244068	117735.88	55.4	1414.06	452864	246.9680 ng/ml
Methamphetamine	3.226	2947146	24322.84	38.5	11997.04	620913	239.3568 ng/ml
Metoprolol	4.334	458485	1137680.28	100.5	2969.89	700528	253.5938 ng/ml
Mirtazapine	4.634	3448023	8412.43	54.7	8532.13	388973	251.8680 ng/ml
Mitragynine	5.243	696397	4930.15	34.5	323467.14	452864	252.9469 ng/ml
Morphine	1.253	97371	11588.19	29.5	305.65	5134	251.6156 ng/ml
Norbuprenorphine	4.997	7992	2600.79	93.8	8588.53	13819	25.9808 ng/ml
Nordiazepam	5.897	734361	1931.77	56.4	819.77	91090	256.0872 ng/ml
Norfentanyl	4.091	388150	104.65	35.3	477.88	501987	25.9600 ng/ml
Norhydrocodone	3.074	105793	∞	40.2	93.06	30919	262.1910 ng/ml
Noroxycodone	2.917	597493	4837.12	47.4	667.38	70369	244.8684 ng/ml
O-desmethyl-tramadol	3.379	4223577	1870.36	5.8	41742.56	842842	255.8704 ng/ml
Oxazepam	5.753	838781	8030.92	74.0	159.68	169552	251.6869 ng/ml
Oxycodone	2.842	1397116	891.03	30.5	684.83	218292	261.7083 ng/ml
Oxymorphone	1.411	598062	∞	47.6	∞	69575	253.3328 ng/ml
Phentermine	3.780	805124	3564.96	6.3	1274.12	460942	241.5446 ng/ml
Promethazine	5.547	3304056	1473.19	31.9	24739.92	544892	252.2358 ng/ml
Pseudoephedrine	2.589	4224316	77497.98	17.2	42166.90	764902	245.9579 ng/ml
Quetiapine	5.564	2119599	2373.03	60.9	656.75	116204	249.3776 ng/ml
Sertraline	5.786	504045	443.66	94.6	222.36	79458	250.1004 ng/ml
Temazepam	5.820	1689106	1337.44	28.0	2790.87	329749	251.8874 ng/ml
Tramadol	4.246	3867529	∞	3.5	∞	700528	257.8690 ng/ml
Trazodone	5.168	2933637	89753.51	65.8	42432.61	330313	248.3595 ng/ml
Venlafaxine	5.042	3837160	2270.34	34.3	14514.40	786509	250.4937 ng/ml
Zolpidem	4.925	3392478	4176.76	27.7	72678.66	582730	260.7623 ng/ml

SC

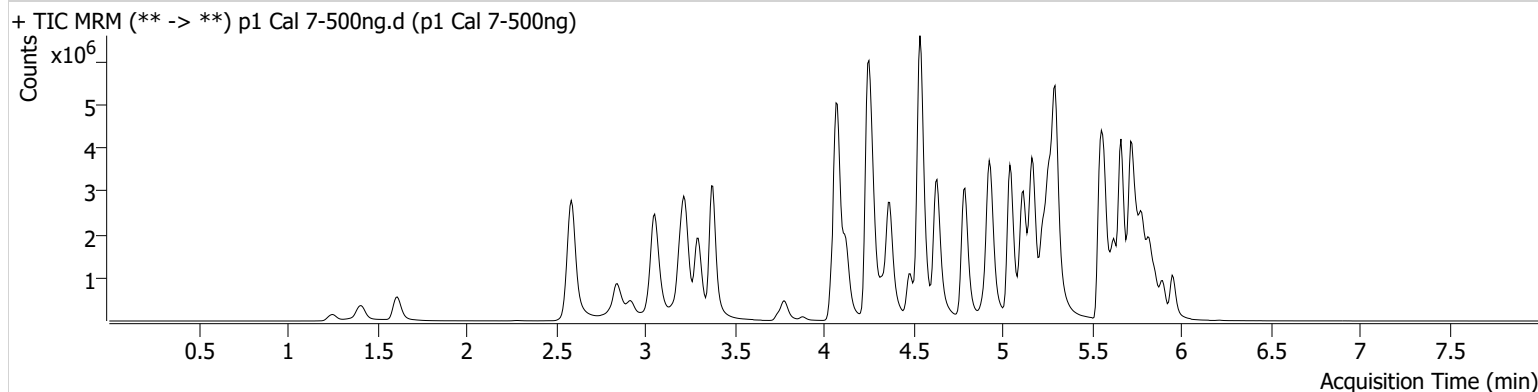


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-B9 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 9/8/2022 1:11:02 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	76305	402.64	69.8	2988.81	36007	50.4507 ng/ml
7-aminoclonazepam	4.265	567795	1956.24	68.0	3023.50	57237	459.6045 ng/ml
a-hydroxyalprazolam	5.688	278071	718.98	71.1	351.99	101185	358.6592 ng/ml
alpha-PHP	4.935	1013261	1316.38	259.3	56328.54	320266	484.3202 ng/ml
alpha-PVP	4.370	4565312	115221.06	50.4	454848.22	320266	511.9593 ng/ml
Alprazolam	5.772	1591785	389.98	104.3	793.12	101185	510.3016 ng/ml
Amphetamine	3.057	5360419	49517.98	43.9	2923.84	154834	358.0883 ng/ml
Benzoylcegonine	3.884	84606	6171.38	8.2	234.02	6051	497.8471 ng/ml
Buprenorphine	5.857	118716	14373.31	15.1	24195.05	78730	51.2929 ng/ml
Bupropion	4.792	4930432	99164.24	71.3	26573.82	283075	502.7328 ng/ml
Carisoprodol	5.727	838238	20089.97	62.6	1828.00	57958	528.1063 ng/ml
Citalopram	5.225	3089544	90997.80	32.3	10980.51	239368	509.4047 ng/ml
Clonazepam	5.607	1269170	51397.62	36.1	605.73	39822	472.3109 ng/ml
Clonazepam	5.551	709599	1129817.44	36.8	808.67	39822	403.3477 ng/ml
Cocaine	4.271	2601756	1357.90	57.0	609.87	438489	503.3498 ng/ml
Codeine	2.586	241837	8210.07	99.4	2718.56	28935	445.4658 ng/ml
Cyclobenzaprine	5.631	2393689	119504.80	8.1	321.63	185318	512.4929 ng/ml
Dextromethorphan	5.268	1510914	47142.51	80.9	26314.78	132911	511.3485 ng/ml
Dextrophan	4.124	1174475	686.58	199.9	4084.68	237006	514.5791 ng/ml
Diazepam	5.951	1159289	2028.99	91.4	14691.97	105020	491.7686 ng/ml
Dihydrocodeine	2.558	760696	22966.70	71.7	7051.52	112564	442.5518 ng/ml
Diphenhydramine	5.296	8600514	95630.49	29.8	30581.01	815844	518.0455 ng/ml
Doxylamine	4.538	9349174	124652.22	93.5	11485.75	794876	516.5560 ng/ml
EDDP	5.261	3682276	37840.64	41.8	54217.48	360530	506.4991 ng/ml
Etizolam	5.817	844384	19027.80	27.6	27941.06	39822	510.8349 ng/ml
Fentanyl	5.101	285473	642.93	64.0	272743.22	338953	48.0473 ng/ml
Flualprazolam	5.701	437595	4035.33	108.2	630838.94	101185	433.8578 ng/ml
Fluoxetine	5.717	2035294	17116.55	7.3	13599.88	127173	501.7936 ng/ml
Hydrocodone	3.026	1235501	∞	38.9	178.56	153126	467.0233 ng/ml
Hydromorphone	1.615	1102385	4909258.10	79.0	5993820.48	67497	502.3153 ng/ml
Ketamine	4.050	2609471	144645.48	32.8	547.00	217250	484.0576 ng/ml
Lamotrigine	4.287	177876	9570.98	91.5	4821.68	217250	412.0596 ng/ml
Lorazepam	5.743	604248	28699.23	54.3	531.57	39822	235.1893 ng/ml

SC



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.198	2911372	2930.74	28.4	295.01	160008	427.0609 ng/ml
MDMA	3.298	2718857	1644.96	91.9	5844.15	51767	501.5723 ng/ml
Meprobamate	4.901	708437	20632.74	28.9	179.86	122857	401.7137 ng/ml
Methadone	5.662	5581975	79645.76	52.9	33675.37	368779	521.5465 ng/ml
Methamphetamine	3.226	4864595	2107.66	38.1	22334.85	560151	439.6418 ng/ml
Metoprolol	4.327	723128	12020.78	102.5	11974.39	598949	468.1851 ng/ml
Mirtazapine	4.634	5850261	109174.62	54.3	17437.95	320266	518.5324 ng/ml
Mitragynine	5.236	1100875	32281.36	35.6	3052.81	368779	491.3738 ng/ml
Morphine	1.253	167941	759.29	29.6	2274.59	4389	507.7027 ng/ml
Norbuprenorphine	4.997	14390	14962.43	96.1	4556.89	12986	49.9549 ng/ml
Nordiazepam	5.897	1084947	34558.93	57.2	15060.39	69370	497.1221 ng/ml
Norfentanyl	4.091	604461	23103.32	35.8	3263.68	356266	56.8885 ng/ml
Norhydrocodone	3.074	179762	749.06	41.5	109.59	24245	566.8707 ng/ml
Noroxycodone	2.917	906330	4957.04	48.8	1926.44	50459	518.2723 ng/ml
O-desmethyl-tramadol	3.379	7181341	50374.19	5.8	24452.74	719756	509.2617 ng/ml
Oxazepam	5.753	948157	11111.55	74.8	5655.77	99881	483.1399 ng/ml
Oxycodone	2.835	2199734	∞	30.7	1272.10	189735	475.4814 ng/ml
Oxymorphone	1.411	967437	718.65	47.4	∞	56868	501.4866 ng/ml
Phentermine	3.780	1244179	∞	6.1	243.63	405329	425.0463 ng/ml
Promethazine	5.547	5885314	1254.39	30.7	∞	484387	505.0168 ng/ml
Pseudoephedrine	2.589	6876210	67938.49	16.7	40611.45	592281	516.4819 ng/ml
Quetiapine	5.564	3404501	12511.63	59.7	634.42	94469	492.9448 ng/ml
Sertraline	5.786	836395	16988.62	94.2	913.26	64044	514.5423 ng/ml
Temazepam	5.820	2102392	42197.47	28.8	12745.23	210146	492.1609 ng/ml
Tramadol	4.246	6589863	5418.77	3.4	389.59	598949	514.0471 ng/ml
Trazodone	5.168	4756597	196255.40	69.8	205855.47	269642	493.2385 ng/ml
Venlafaxine	5.042	6686262	1015.83	32.6	13344.76	653116	525.0682 ng/ml
Zolpidem	4.925	5444823	115059.17	28.2	2488.71	509892	478.8228 ng/ml



# AM #28 Multi-Drug Quant. Results

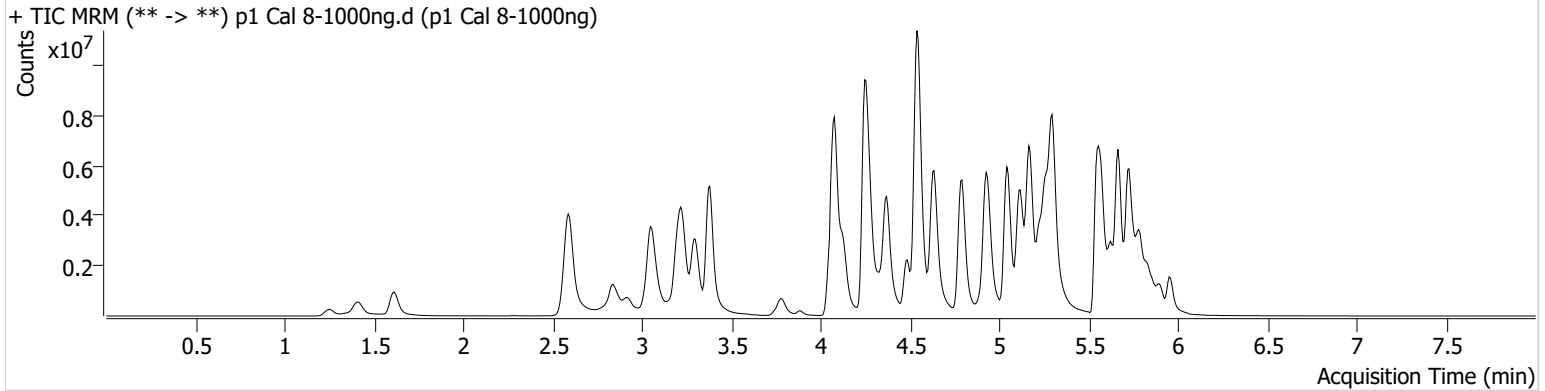
SC



**Batch results** D:\MassHunter\Data\2022\AM 27-28\090822 AM 27 28 CS SC\QuantResults\AM 28 SC.batch.bin  
**Calibration Last Update** 9/9/2022 9:11:12 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-A9	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	9/8/2022 1:21:39 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	157296	∞	69.1	875.33	36338	103.0317 ng/ml
7-aminoclonazepam	4.265	647561	12211.37	71.8	2872.59	39862	752.9158 ng/ml
a-hydroxyalprazolam	5.688	284325	507.57	68.3	660.85	75110	494.3066 ng/ml
alpha-PHP	4.941	1663964	4957.20	264.1	49163.94	294927	864.1752 ng/ml
alpha-PVP	4.370	8612595	17147.83	50.1	139040.22	294927	1048.7215 ng/ml
Alprazolam	5.772	2370043	∞	101.9	2264.70	75110	1023.0288 ng/ml
Amphetamine	3.057	8117692	7051.97	44.3	1980.62	158298	531.0153 ng/ml
Benzoylecgonine	3.884	189020	9985.01	8.1	8725.64	6619	1016.7658 ng/ml
Buprenorphine	5.857	244582	51294.18	15.1	52023.33	73928	112.4533 ng/ml
Bupropion	4.792	9580782	161257.78	69.6	420476.08	293197	943.4449 ng/ml
Carisoprodol	5.733	859489	16937.09	62.5	1539.04	28395	1104.6478 ng/ml
Citalopram	5.225	4772326	160215.08	32.9	331.82	184511	1020.6766 ng/ml
Clonazepam	5.607	1563167	2914.58	35.2	1029.37	28294	819.2715 ng/ml
Clonazepam	5.544	721934	365701.93	37.8	167566.33	28294	578.1099 ng/ml
Cocaine	4.271	4479586	72527.61	56.4	1156.40	371338	1023.3993 ng/ml
Codeine	2.586	378686	4826.59	97.9	8913.48	23975	842.9100 ng/ml
Cyclobenzaprine	5.631	4121606	134909.17	8.0	1605.09	154386	1058.8577 ng/ml
Dextromethorphan	5.275	2198032	260141.38	81.7	436.83	98566	1002.8619 ng/ml
Dextroprphan	4.124	2150957	66966.37	200.8	∞	212811	1049.2382 ng/ml
Diazepam	5.957	1924678	4475.05	89.5	546.87	90755	944.9673 ng/ml
Dihydrocodeine	2.558	1330109	20739.38	71.4	244.21	123317	706.6955 ng/ml
Diphenhydramine	5.296	14080902	155618.96	30.1	66757.52	665860	1039.0079 ng/ml
Doxylamine	4.538	17659930	157099.48	94.7	288917.74	779241	995.1192 ng/ml
EDDP	5.261	6918752	55161.04	40.2	134499.90	328261	1045.1275 ng/ml
Etizolam	5.817	1351289	7726.00	27.8	18103.85	28294	1149.8857 ng/ml
Fentanyl	5.101	491543	8415.85	62.6	9049.98	327288	85.7013 ng/ml
Flualprazolam	5.701	543410	1006.00	110.3	3399.65	75110	726.3258 ng/ml
Fluoxetine	5.724	2772746	39048.36	7.5	1061544.14	82046	1059.2842 ng/ml
Hydrocodone	3.019	2163768	∞	42.2	∞	149201	840.1061 ng/ml
Hydromorphone	1.615	2098149	10574934.51	78.5	5048653.42	63668	1013.6002 ng/ml
Ketamine	4.050	4417601	90936.47	32.6	8674.13	220561	807.8579 ng/ml
Lamotrigine	4.294	250903	19623.46	90.7	217268.67	220561	572.9103 ng/ml
Lorazepam	5.743	558387	15170.14	51.9	91.48	28294	306.2806 ng/ml

SC

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.191	3999389	5089.07	27.3	416.10	137645	682.5577 ng/ml
MDMA	3.298	4789505	1767.33	88.1	75570.33	46776	977.9476 ng/ml
Meprobamate	4.894	968427	34735.19	29.4	8086.46	110851	609.2918 ng/ml
Methadone	5.662	9798569	86686.87	52.7	86474.58	321451	1050.0421 ng/ml
Methamphetamine	3.226	8772087	73776.29	36.7	79519.19	613679	724.9584 ng/ml
Metoprolol	4.334	1138188	40349.52	103.2	82986.34	578593	763.1229 ng/ml
Mirtazapine	4.634	11016889	187678.97	53.7	57494.83	294927	1059.8810 ng/ml
Mitragynine	5.236	1758444	5435.58	35.2	164213.64	321451	900.7372 ng/ml
Morphine	1.253	311446	1611.65	30.0	2509.83	4389	941.4841 ng/ml
Norbuprenorphine	4.997	31474	284.20	90.1	6341.90	13419	105.9481 ng/ml
Nordiazepam	5.897	1456030	17000.03	56.9	25187.37	47937	965.7767 ng/ml
Norfentanyl	4.091	919759	16700.50	36.5	9252.44	223904	137.6460 ng/ml
Norhydrocodone	3.074	371650	816.94	40.0	∞	21645	1311.3669 ng/ml
Noroxycodone	2.917	1374891	7656.76	49.4	2927.97	39248	1011.0341 ng/ml
O-desmethyl-tramadol	3.379	13370013	528268.53	5.9	78474.54	658327	1036.3972 ng/ml
Oxazepam	5.753	843706	5472.81	71.7	4199.74	44053	974.9453 ng/ml
Oxycodone	2.828	3694630	16668.15	30.4	5730.52	184765	821.3486 ng/ml
Oxymorphone	1.411	1682884	∞	47.5	∞	50959	973.6430 ng/ml
Phentermine	3.780	2215307	4499.79	5.6	1237.20	423747	724.4434 ng/ml
Promethazine	5.547	11119895	62762.57	29.6	1638.90	434246	1063.9342 ng/ml
Pseudoephedrine	2.589	11634040	42266.41	16.3	48621.02	469347	1102.1505 ng/ml
Quetiapine	5.570	5566523	1458.03	59.2	166261.95	78227	973.5689 ng/ml
Sertraline	5.786	1282671	523.94	90.1	532.81	48324	1045.4296 ng/ml
Temazepam	5.827	2219914	17023.19	28.3	4446.82	111912	976.0349 ng/ml
Tramadol	4.246	11423592	1192.14	3.2	∞	578593	922.5743 ng/ml
Trazodone	5.161	8723129	86744.42	73.4	167469.81	224034	1088.6237 ng/ml
Venlafaxine	5.042	12284729	6243.46	32.1	26242.91	575854	1093.5884 ng/ml
Zolpidem	4.925	9637604	233836.74	27.5	1642.17	508433	850.4580 ng/ml