

**REVIEWED**

By Celena Shrum at 3:33 pm, Jun 02, 2022

AS

5/17/2022

**Worklist: 5903**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-1710	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1828	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1829	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1902	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1244	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1252	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1253	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1254	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1265	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1266	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1267	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1272	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1278	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1290	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1291	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1321	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1321	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1321	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1333	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1354	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1355	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 5903**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2022-1356	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2022-1366	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



**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

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

Extraction Date: 05/18/2022

Analyst: Amber Gerheart

Plate lot#: 220324

Plate Retest Date: 09/24/2022

**Mobile phase A:** 5mM Amm Form + 0.01% FA    **Mobile phase B:** 0.01% Formic Acid in MeOH

**Blank Blood Lot:** Lampire 22B52016-2

**Blank Urine Lot:** N/A

**Column:** Agilent 120 EC-C18 (2.1x 100-2.7um)    **LCMS-QQ 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. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: 42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. **Skipped per deviation**
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right)**
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left)**.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left)**.
- 15. Remove plate containing eluate. **If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).** Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. 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: *Calibration Curve Range:* 7-aminoclonazepam 5-500 ng/mL, alpha-hydroxyalprazolam 5-250 ng/mL, amphetamine 5-500 ng/mL, buprenorphine 2.5-100 ng/mL, dihydrocodeine 5-500 ng/mL, fentanyl 2.5-100 ng/mL, lamotrigine 5-250 ng/mL, lorazepam 5-100 ng/mL, meprobamate 5-500 ng/mL, methamphetamine 10-1000 ng/mL, norbuprenorphine 2.5-100 ng/mL, norhydrocodone 5-500 ng/mL, ~~trazodone~~ 5-500 ng/mL

Qualitative only: Fluoxetine, methamphetamine, sertraline

Not evaluated: Alpha-PHP and mirtazapine due to calibrator accuracy 6/2/2022

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2022-1829-4	P2022-1267-1	IS + Cal. 1	IS + QC_1	P2022-1356-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2022-1902-3	P2022-1272-1	IS + Cal. 2	IS + QC_2	P2022-1366-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	P2022-1244-2	P2022-1278-3	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	P2022-1252-1	P2022-1290-1	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	P2022-1253-1	P2022-1291-1	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Negative Blood	P2022-1254-1	P2022-1321-1	IS + Cal. 6	P2022-1333-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2022-1710-2	P2022-1265-1	P2022-1321-2	IS + Cal. 7	P2022-1354-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2022-1828-2	P2022-1266-1	P2022-1321-3	IS + Cal. 8	P2022-1355-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2022-1829-4	P2022-1267-1			P2022-1356-1	IS + Cal. 1	IS + QC_1	P2022-1354-1		
B	IS + Cal. 2	IS + QC_2	M2022-1902-3	P2022-1272-1			P2022-1366-1	IS + Cal. 2	IS + QC_2	P2022-1355-1		
C	IS + Cal. 3	IS + QC_3	P2022-1244-2	P2022-1278-3				IS + Cal. 3	IS + QC_3			
D	IS + Cal. 4	IS + QC_4	P2022-1252-1	P2022-1290-1				IS + Cal. 4	IS + QC_4			
E	IS + Cal. 5		P2022-1253-1	P2022-1291-1				IS + Cal. 5	Negative Blood			
F	IS + Cal. 6	Negative Blood	P2022-1254-1	P2022-1321-1		P2022-1333-1		IS + Cal. 6	P2022-1290-1			
G	IS + Cal. 7	M2022-1710-2	P2022-1265-1	P2022-1321-2		P2022-1354-1		IS + Cal. 7	P2022-1321-1			
H	IS + Cal. 8	M2022-1828-2	P2022-1266-1	P2022-1321-3		P2022-1355-1		IS + Cal. 8	P2022-1321-3			

Instrument Plate Positions

A8-B10 were P2 samples

AG

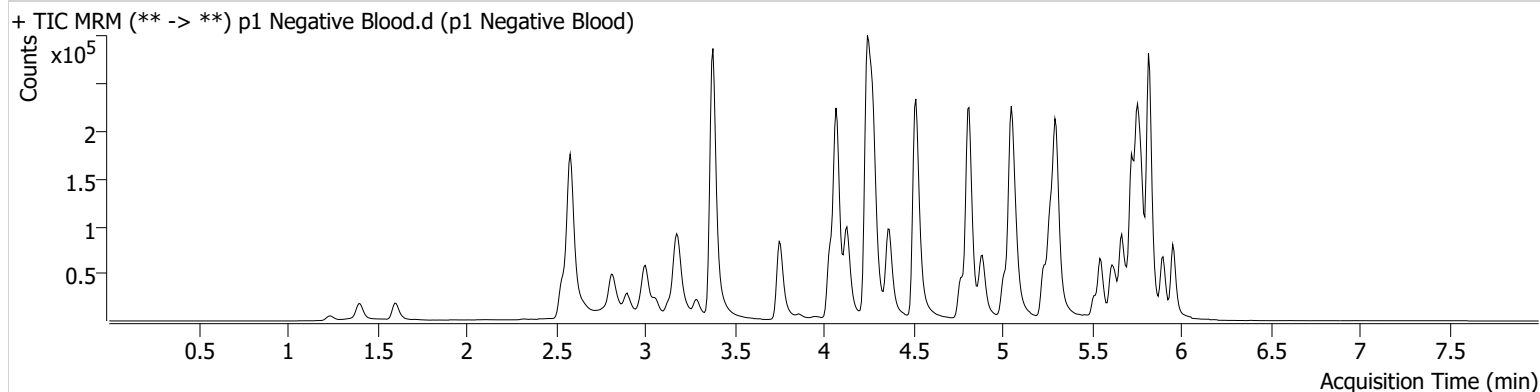


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 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 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-F2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 4:57:17 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



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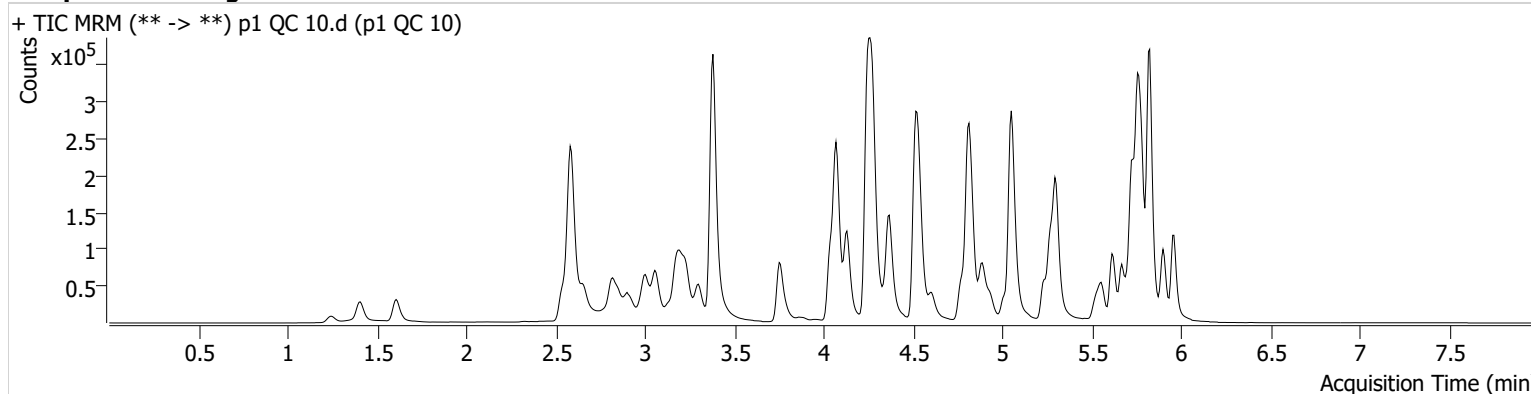


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-A2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 3:43:00 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	1398	4517.72	80.6	313.58	33388	1.0138 ng/ml
7-aminoclonazepam	4.263	28018	41.25	71.3	52.44	105427	10.3506 ng/ml
a-hydroxyalprazolam	5.706	16897	340.10	69.1	364.87	210129	10.7104 ng/ml
NE <del>alpha-PHP</del>	<del>4.936</del>	<del>15464</del>	<del>848.92</del>	<del>262.9</del>	<del>806.87</del>	<del>262627</del>	<del>9.1747 ng/ml</del>
alpha-PVP	4.375	67966	686.25	48.7	209.05	262627	9.8373 ng/ml
Alprazolam	5.782	54857	242.18	117.7	1848.27	210129	9.2852 ng/ml
Amphetamine	3.058	90831	361.96	43.0	85.15	66448	11.6811 ng/ml
Benzoyllecgonine	3.890	2931	220.83	7.1	250.07	7892	10.8236 ng/ml
* <del>Buprenorphine</del>	<del>5.677</del>	<del>598</del>	<del>1730.66</del>	<del>7.9 Low</del>	<del>123.42</del>	<del>19082</del>	<del>0.9912 ng/ml</del>
Bupropion	4.787	33112	18481.29	71.1	145.89	122016	9.5865 ng/ml
Carisoprodol	5.731	63231	379.16	59.4	320.78	282606	10.3915 ng/ml
Citalopram	5.232	22881	209.46	33.1	353.63	100405	10.3161 ng/ml
Clonazepam	5.619	66316	2514.04	33.8	1517.32	85014	10.2626 ng/ml
Clonazepam	5.556	38012	30885.50	30.1	19877.31	85014	10.2505 ng/ml
Cocaine	4.276	56927	188.31	56.6	106.67	446802	9.8810 ng/ml
Codeine	2.587	7537	15.02	111.7	1708.08	39321	9.7221 ng/ml
Cyclobenzaprine	5.635	4357	24.00	8.7	233.64	18206	10.2587 ng/ml
Dextromethorphan	5.275	8979	85.38	77.7	22834.96	32485	11.0451 ng/ml
Dextrophan	4.130	20326	57832.60	195.0	317.09	207000	10.4438 ng/ml
Diazepam	5.960	39577	1774.33	88.6	286.37	172667	10.5557 ng/ml
Dihydrocodeine	2.566	19012	84.21	65.2	22.60	114532	9.9722 ng/ml
Diphenhydramine	5.302	56724	3091.94	29.9	340.41	326080	10.8634 ng/ml
Doxylamine	4.535	148011	3265.88	104.3	2452.12	660647	9.9353 ng/ml
EDDP	5.267	33316	827.38	42.8	60.79	187239	9.3909 ng/ml
Etizolam	5.820	26990	19465.57	28.2	17950.13	85014	9.4390 ng/ml
* <del>Fentanyl</del>	<del>5.088</del>	<del>658</del>	<del>7.76 Low</del>	<del>73.9</del>	<del>1336.69</del>	<del>37159</del>	<del>1.2526 ng/ml</del>
Flualprazolam	5.712	21962	815.48	95.9	6569.53	210129	10.3991 ng/ml
Fluoxetine	5.721	5992	85.72	6.8	670.22	15714	13.6583 ng/ml
Hydrocodone	3.027	25683	63.81	35.3	89.00	152547	9.8239 ng/ml
Hydromorphone	1.615	21938	837.88	72.1	694.61	68558	9.4705 ng/ml
Ketamine	4.049	57448	386.28	33.3	88.67	228110	10.0507 ng/ml
Lamotrigine	4.278	4154	510.47	96.8	8082.88	228110	9.8281 ng/ml
Levetiracetam	2.658	27178	341.63	169.9	799.61	590257	9.7896 ng/ml



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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	56785	1213.94	52.6	190.64	85014	10.8564 ng/ml
MDA	3.205	68429	681.91	31.8	300.83	133306	11.0261 ng/ml
MDMA	3.306	43793	655.78	86.8	706.86	44652	9.8163 ng/ml
Meprobamate	4.910	28477	193.06	28.8	488.70	161417	10.5809 ng/ml
Methadone	5.666	22699	1197.21	57.9	401.02	95021	10.2174 ng/ml
Methamphetamine	3.233	103706	1771.70	40.2	334.38	152967	31.4376 ng/ml
Metoprolol	4.338	16513	1568.15	90.2	1481.89	682401	10.7736 ng/ml
NE Mirtazapine	<del>4.603</del>	<del>43429</del>	<del>1353.90</del>	<del>54.5</del>	<del>714.09</del>	<del>262627</del>	<del>7.9657 ng/ml</del>
Mitragynine	5.216	3907	2884.20	35.6	1855.44	95021	10.0644 ng/ml
Morphine	1.253	4245	302.92	26.4	276.59	6860	9.8599 ng/ml
Nordiazepam	5.907	38614	579.21	56.3	409.23	129507	9.9000 ng/ml
Norfentanyl	4.097	12920	664.54	36.0	82.17	544050	0.9936 ng/ml
Norhydrocodone	3.075	3183	255.67	37.3	29.78	37933	8.9329 ng/ml
Noroxycodone	2.925	28525	16.64	48.0	997.95	80946	10.0909 ng/ml
O-desmethyl-tramadol	3.386	160986	2874.63	5.7	277.85	814915	9.7810 ng/ml
Oxazepam	5.763	71386	1053.00	74.9	193.96	384395	10.7413 ng/ml
Oxycodone	2.843	54531	243.17	30.9	632.76	185242	10.4607 ng/ml
Oxymorphone	1.405	22747	2155.28	47.3	∞	65200	10.4682 ng/ml
Phentermine	3.787	17472	126.59	6.3	8.21 <b>Low</b>	231365	10.0084 ng/ml
Promethazine	5.552	11301	368.94	28.9	29.90	43891	11.5179 ng/ml
Pseudoephedrine	2.597	118509	745.68	16.7	202.16	590257	9.9479 ng/ml
Quetiapine	5.528	31816	6223.47	56.0	22826.54	40477	10.0536 ng/ml
Sertraline	5.790	2494	267.78	99.8	148.43	6653	16.0847 ng/ml
Temazepam	5.824	115155	515.85	28.7	133.52	601116	9.4254 ng/ml
Tramadol	4.257	153586	1257.44	3.1	73.20	682401	10.0946 ng/ml
Trazodone	5.046	20437	550.52	76.8	220.61	77934	11.1939 ng/ml
Venlafaxine	5.050	107305	900.55	32.2	203.81	546224	10.3028 ng/ml
Zolpidem	4.825	135025	882.73	31.9	718.60	608339	10.3768 ng/ml

\*Outside curve range

NE = not evaluated

Norbuprenorphine was outside curve range

AG

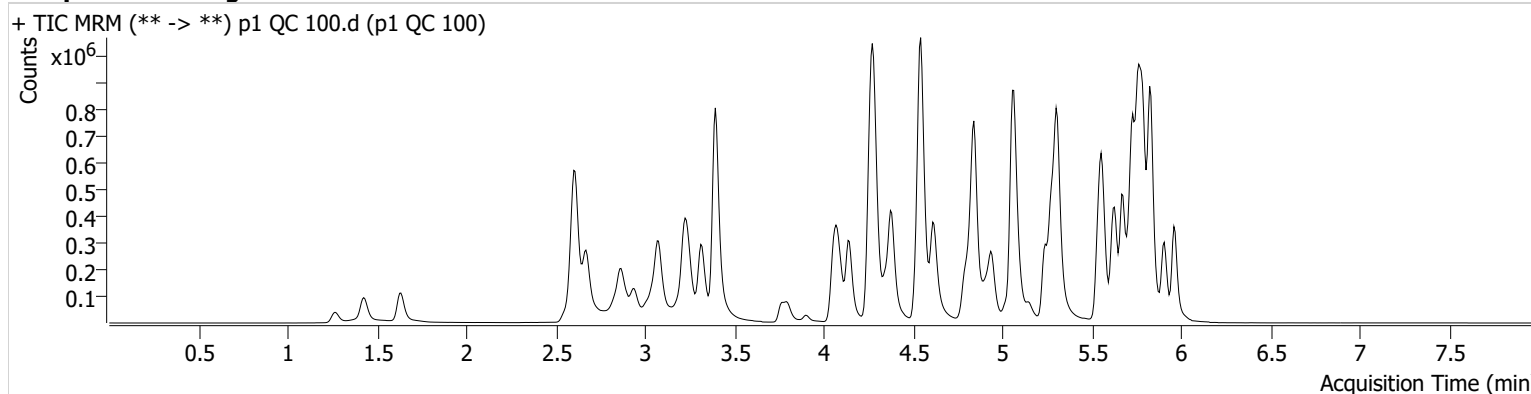


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 1:26:51 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.161	11873	48447.87	73.2	296.64	28880	9.8081 ng/ml
7-aminoclonazepam	4.270	231117	2768.85	73.8	5937.79	92777	105.9288 ng/ml
a-hydroxyalprazolam	5.706	116720	132.52	70.7	330.78	166126	103.6481 ng/ml
alpha-PPH	4.943	139844	1626.11	258.3	4213.40	211360	98.2281 ng/ml
alpha-PVP	4.381	540531	15844.75	50.0	7299.56	211360	97.1112 ng/ml
Alprazolam	5.782	477164	2307.59	110.8	∞	166126	99.0591 ng/ml
Amphetamine	3.078	583661	3276.21	41.6	2399.81	56405	115.8937 ng/ml
Benzoylcegonine	3.897	27765	1411.33	8.2	23253.00	7530	102.7259 ng/ml
Buprenorphine	5.683	8722	2376.51	15.5	3119.37	31241	10.7789 ng/ml
Bupropion	4.794	259795	286.08	69.8	325.10	97180	98.6276 ng/ml
Carisoprodol	5.737	457742	1171687.61	60.2	5313.55	205427	94.6444 ng/ml
Citalopram	5.239	356817	8021.62	34.2	6410.62	156245	100.9783 ng/ml
Clonazepam	5.619	523923	30561.09	33.8	38637.95	70446	105.6649 ng/ml
Clonazepam	5.563	306599	346794.26	32.5	61697.12	70446	102.4484 ng/ml
Cocaine	4.283	482747	22118.71	56.7	167115.32	377996	102.0492 ng/ml
Codeine	2.608	64501	130.25	107.4	111710.05	32703	108.1616 ng/ml
Cyclobenzaprine	5.635	208351	192155.57	8.5	29160.43	95126	92.2343 ng/ml
Dextromethorphan	5.281	164817	280.18	85.6	3505.68	67939	100.3516 ng/ml
Dextrophan	4.143	180001	594.88	203.6	1171.62	190562	97.7171 ng/ml
Diazepam	5.960	325681	458.62	88.6	7821.27	142585	108.1629 ng/ml
Dihydrocodeine	2.579	171933	11267.64	64.8	62.25	99767	108.4822 ng/ml
Diphenhydramine	5.309	883848	57908.75	29.8	6167.23	518851	106.1989 ng/ml
Doxylamine	4.542	1362767	18845.33	100.3	90412.41	593311	101.2770 ng/ml
EDDP	5.274	398721	4077.85	42.2	8053.15	224593	93.1548 ng/ml
Etizolam	5.827	220832	7860.03	27.8	94752.22	70446	91.8360 ng/ml
Fentanyl	5.095	22013	13480.40	69.4	26238.38	126338	9.3186 ng/ml
Flualprazolam	5.712	172915	4352.01	100.5	8114.63	166126	105.6884 ng/ml
Fluoxetine	5.728	297445	122543.43	7.4	48.08	107787	99.5831 ng/ml
Hydrocodone	3.041	216048	1079.63	35.5	147.48	132131	99.9109 ng/ml
Hydromorphone	1.635	186272	3852.16	75.6	515.50	55745	98.6710 ng/ml
Ketamine	4.056	460613	523.97	34.7	311.34	185783	104.6360 ng/ml
Lamotrigine	4.292	39587	1192.94	89.1	60649.83	185783	118.1286 ng/ml
Levetiracetam	2.671	236899	3766.06	166.1	4227.03	500977	101.4816 ng/ml

AA



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	337584	22093.21	51.4	233.36	70446	96.0212 ng/ml
MDA	3.226	597053	6330.62	30.8	1157.50	117109	117.1487 ng/ml
MDMA	3.312	411873	488083.03	86.4	1816.25	41206	101.4850 ng/ml
Meprobamate	4.916	221810	63461.67	28.0	818.22	136556	107.3549 ng/ml
Methadone	5.673	455213	478.08	60.2	439.66	194472	96.7494 ng/ml
Methamphetamine	3.247	312663	2834.17	39.2	801.53	132725	121.2119 ng/ml
Metoprolol	4.345	138907	109410.03	94.8	16179.92	579630	108.9560 ng/ml
NE Mirtazapine	<del>4.616</del>	<del>577776</del>	<del>6522.37</del>	<del>54.3</del>	<del>131159.28</del>	<del>211360</del>	<del>98.0456 ng/ml</del>
Mitragynine	5.222	95417	180148.65	35.1	1497.17	194472	106.3365 ng/ml
Morphine	1.267	37028	6746.60	27.5	3189.72	5874	98.5907 ng/ml
Norbuprenorphine	5.012	1070	1084.82	107.2	3290.11	4615	10.6195 ng/ml
Nordiazepam	5.907	315162	1227.73	55.6	719.80	105685	102.5669 ng/ml
Norfentanyl	4.104	118812	101750.58	34.9	191.95	488546	9.7891 ng/ml
Norhydrocodone	3.095	27714	155.70	32.6	512.30	29122	90.3174 ng/ml
Noroxycodone	2.939	225800	2044.52	44.8	18291.42	66110	100.2621 ng/ml
O-desmethyl-tramadol	3.393	1397626	2004.77	5.8	646.37	695342	98.0850 ng/ml
Oxazepam	5.763	479534	21225.56	74.2	176.47	273818	106.1012 ng/ml
Oxycodone	2.856	464642	2132.74	28.9	1698.19	159547	108.5947 ng/ml
Oxymorphone	1.425	184299	1303.94	48.0	∞	57320	99.1314 ng/ml
Phentermine	3.801	149957	899.57	5.8	97.06	206703	103.9499 ng/ml
Promethazine	5.552	514389	551.12	30.9	163.93	221016	99.6551 ng/ml
Pseudoephedrine	2.611	998760	12407.87	16.9	17393.29	500977	96.7368 ng/ml
Quetiapine	5.534	448116	1945.22	55.9	666.29	63023	96.0297 ng/ml
Sertraline	5.796	113680	4727.29	98.6	71131.96	47197	101.7383 ng/ml
Temazepam	5.831	855904	29766.51	28.9	1714.71	449961	100.7653 ng/ml
Tramadol	4.264	1285684	3228.82	3.3	395.24	579630	103.6019 ng/ml
Trazodone	5.059	375971	484822.00	79.3	373220.20	162061	104.7711 ng/ml
Venlafaxine	5.056	945732	1752.10	33.1	5374.50	495393	98.9119 ng/ml
Zolpidem	4.839	1250932	29458.81	30.5	590048.83	569403	104.2848 ng/ml

NE = not evaluated

AG

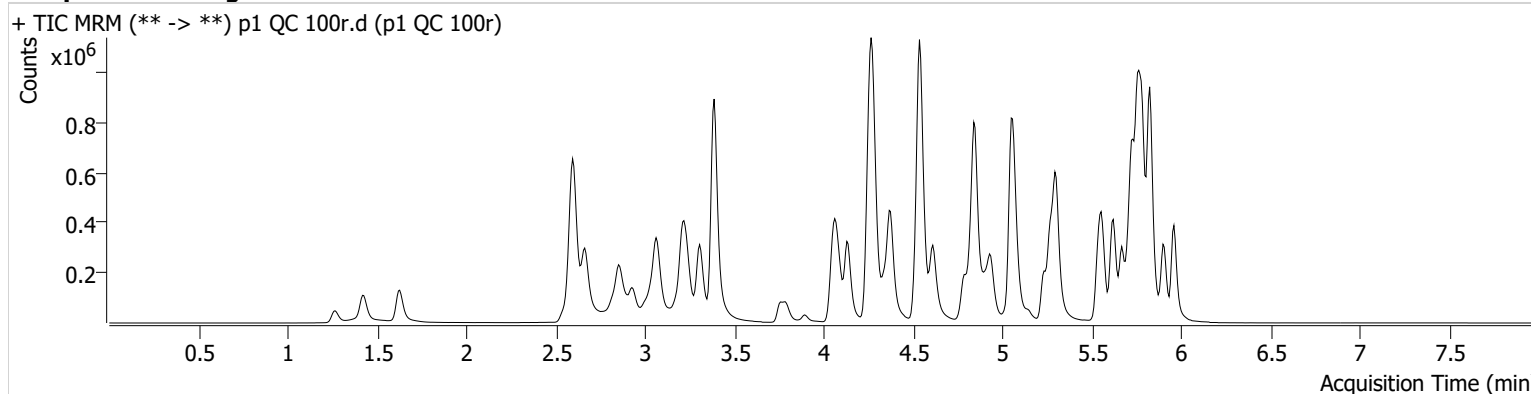


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 100r.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100r
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-B2	<b>Comment</b>	Reinjected as a bracket for reinjects
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 11:05:39 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	13493	19449.86	71.8	36027.69	31324	10.2762 ng/ml
7-aminoclonazepam	4.263	253629	692.24	71.3	159.24	100528	107.2978 ng/ml
a-hydroxyalprazolam	5.699	129145	339.91	69.0	588.85	183868	103.6148 ng/ml
NE alpha-PHP	<del>4.936</del>	<del>137148</del>	<del>4011.10</del>	<del>264.7</del>	<del>402145.35</del>	<del>224432</del>	<del>90.7593 ng/ml</del>
alpha-PVP	4.375	572707	12011.51	50.3	488.78	224432	96.8987 ng/ml
Alprazolam	5.782	529937	4291.41	109.1	1762.06	183868	99.3983 ng/ml
Amphetamine	3.065	627662	11273.34	42.3	1260.79	61015	115.1892 ng/ml
Benzoylecgonine	3.890	32437	553.56	8.4	179.80	8418	107.3305 ng/ml
Buprenorphine	5.690	5635	253.52	14.4	2989.84	21346	10.1800 ng/ml
Bupropion	4.787	254985	7765.32	68.7	3073.98	96736	97.2395 ng/ml
Carisoprodol	5.731	505078	399517.70	60.4	5821.36	225885	94.9702 ng/ml
Citalopram	5.232	240311	6833.23	35.1	295.59	107848	98.5322 ng/ml
Clonazepam	5.619	575939	606.98	33.1	94261.81	75038	109.0768 ng/ml
Clonazepam	5.556	349647	613136.55	31.5	113774.41	75038	109.7045 ng/ml
Cocaine	4.276	510526	62632.48	57.5	73766.84	403974	100.9782 ng/ml
Codeine	2.594	69941	99.21	111.7	1732.14	35439	108.2279 ng/ml
Cyclobenzaprine	5.635	93160	370372.76	8.7	12792.99	41648	94.1920 ng/ml
Dextromethorphan	5.275	104184	11693.60	85.3	588.81	41865	102.9537 ng/ml
Dextrophan	4.137	185079	1018.20	199.8	718.05	193423	98.9839 ng/ml
Diazepam	5.960	346215	3381.49	90.9	455.90	156517	104.7370 ng/ml
Dihydrocodeine	2.573	188595	136.16	65.8	563.34	113106	104.9448 ng/ml
Diphenhydramine	5.302	633805	49086.30	29.7	11867.17	372742	106.0065 ng/ml
Doxylamine	4.535	1385737	6144.84	101.9	1377867.09	610617	100.0662 ng/ml
EDDP	5.267	350825	1519.37	42.8	1460.85	198200	92.8795 ng/ml
Etizolam	5.820	236446	19302.24	28.1	156892.11	75038	92.3114 ng/ml
Fentanyl	5.088	11010	516.97	74.5	19233.16	66032	8.9323 ng/ml
Flualprazolam	5.712	190789	1053.16	100.2	120748.68	183868	105.3604 ng/ml
Fluoxetine	5.721	132898	463737.66	7.3	2513.52	48266	99.3618 ng/ml
Hydrocodone	3.034	239630	659.28	34.3	66.86	144739	101.1698 ng/ml
Hydromorphone	1.628	205684	1287263.82	76.5	3708.17	62199	97.6480 ng/ml
Ketamine	4.056	496908	66719.19	35.2	501.84	203699	102.9427 ng/ml
Lamotrigine	4.285	41798	1240.69	89.1	23969.68	203699	113.7442 ng/ml
Levetiracetam	2.664	268791	2026.24	162.5	499.63	549261	105.0251 ng/ml

AA



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	360332	22134.25	51.0	∞	75038	96.2256 ng/ml
MDA	3.212	609254	2742.86	30.6	2849.17	126215	110.8723 ng/ml
MDMA	3.306	425143	223098.79	86.9	1740.90	43137	100.0640 ng/ml
Meprobamate	4.910	249562	291.71	27.5	5141.65	152074	108.4740 ng/ml
Methadone	5.666	271020	561.86	58.8	260.11	118490	94.5472 ng/ml
Methamphetamine	3.240	336105	6838.07	39.5	480.56	153035	112.6799 ng/ml
Metoprolol	4.338	148368	544.20	94.5	4957.43	627459	107.5025 ng/ml
NE Mirtazapine	<del>4.609</del>	<del>444482</del>	<del>36203.71</del>	<del>53.0</del>	<del>6150.53</del>	<del>224432</del>	<del>71.6297 ng/ml</del>
Mitragynine	5.222	49600	424.13	34.3	36614.30	118490	90.9060 ng/ml
Morphine	1.267	44143	10244.82	25.6	4613.28	7522	91.7925 ng/ml
Norbuprenorphine	5.005	740	890.92	96.8	4530.23	3312	10.2279 ng/ml
Nordiazepam	5.907	332069	13059.41	56.6	823.12	111054	102.8446 ng/ml
Norfentanyl	4.097	126653	151.93	35.4	578.52	528067	9.6547 ng/ml
Norhydrocodone	3.082	29361	166.74	35.6	32.46	29672	93.8676 ng/ml
Noroxycodone	2.925	249128	2884.53	47.6	4764.97	74019	98.7964 ng/ml
O-desmethyl-tramadol	3.386	1536855	64739.34	5.7	10117.20	769780	97.4274 ng/ml
Oxazepam	5.756	511132	3713.34	76.7	2901.26	293724	105.4246 ng/ml
Oxycodone	2.850	513419	464.88	29.4	2758.33	177933	107.5903 ng/ml
Oxymorphone	1.425	211292	∞	47.0	216.27	63748	102.1996 ng/ml
Phentermine	3.794	157940	333.33	5.7	513.83	214943	105.2978 ng/ml
Promethazine	5.552	231886	429.16	31.1	6496.99	104162	95.3468 ng/ml
Pseudoephedrine	2.604	1102503	38564.78	16.9	757248.61	549261	97.3963 ng/ml
Quetiapine	5.528	329897	739787.21	56.8	1066325.87	45214	98.5584 ng/ml
Sertraline	5.790	55562	4294.93	97.2	143.20	23721	98.9436 ng/ml
Temazepam	5.824	931197	14046.86	28.4	2582.40	489923	100.6867 ng/ml
Tramadol	4.257	1384077	57131.32	3.3	152.40	627459	103.0263 ng/ml
Trazodone	5.066	250193	228991.79	78.5	412882.50	105399	107.2191 ng/ml
Venlafaxine	5.050	1025113	52156.03	33.1	1093.44	524726	101.2174 ng/ml
Zolpidem	4.846	1343549	5958.91	30.5	5315.58	606145	105.2182 ng/ml

NE = not evaluated

AG

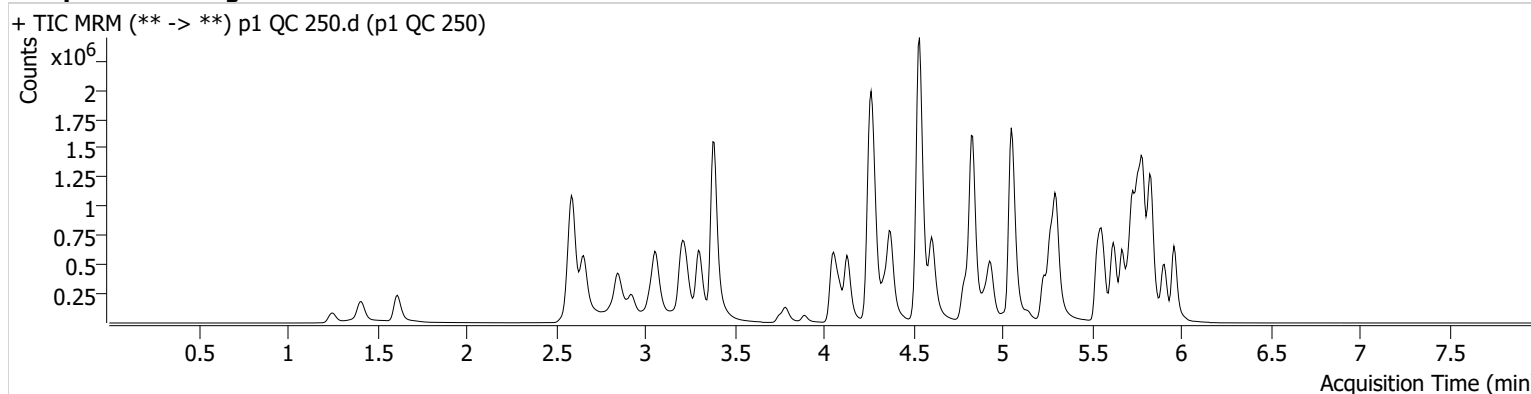


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 4:04:13 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	29518	57015.56	73.4	39465.93	28725	24.4919 ng/ml
7-aminoclonazepam	4.263	498385	9460.55	72.3	1248.62	87746	242.8855 ng/ml
a-hydroxyalprazolam	5.699	190583	1260.46	69.6	1010.79	137081	206.3704 ng/ml
NE alpha-PPH	<del>4.936</del>	<del>287826</del>	<del>560.12</del>	<del>260.1</del>	<del>207715.01</del>	<del>178055</del>	<del>239.3012 ng/ml</del>
alpha-PVP	4.375	1123627	13102.47	51.4	18822.29	178055	239.6117 ng/ml
Alprazolam	5.782	1045250	15747.29	107.7	10372.48	137081	262.4583 ng/ml
Amphetamine	3.065	1173426	24537.68	43.6	845.24	51152	262.0155 ng/ml
Benzoylcegonine	3.890	70838	976.23	8.2	22872.39	7497	262.4279 ng/ml
Buprenorphine	5.677	13818	17745.57	14.5	5409.83	20055	26.9659 ng/ml
Bupropion	4.787	456283	1230.11	70.0	5272.08	70065	240.9375 ng/ml
Carisoprodol	5.731	882402	581111.95	59.9	4498.11	156358	238.1930 ng/ml
Citalopram	5.232	576487	1054.48	34.3	20793.72	102518	248.2553 ng/ml
Clonazepam	5.619	1024344	69700.11	33.4	54904.24	54907	266.4377 ng/ml
Clonazepam	5.556	674104	211127.38	32.6	10298.33	54907	289.5508 ng/ml
Cocaine	4.276	1060772	1150.71	57.5	27914.08	340615	249.3284 ng/ml
Codeine	2.587	136842	4969.37	104.7	5663.46	30380	248.1358 ng/ml
Cyclobenzaprine	5.635	213435	3215.06	8.6	30848.26	38330	234.1763 ng/ml
Dextromethorphan	5.275	237513	13990.76	83.7	6103.94	38564	255.4466 ng/ml
Dextrophan	4.130	404792	831.24	199.0	11861.95	166436	251.1023 ng/ml
Diazepam	5.960	683924	4546.79	90.1	67439.08	122408	265.0603 ng/ml
Dihydrocodeine	2.566	400598	5559.47	66.5	3655.15	99448	254.2761 ng/ml
Diphenhydramine	5.302	1441295	61047.88	30.6	17420.13	338560	265.3695 ng/ml
Doxylamine	4.535	3312295	1296.94	98.6	79028.42	562991	259.3201 ng/ml
EDDP	5.267	840293	352.45	42.6	36822.94	183042	240.7902 ng/ml
Etizolam	5.827	491811	3368.05	27.9	347977.99	54907	262.1233 ng/ml
Fentanyl	5.088	26882	14643.68	63.7	73749.22	56041	25.0575 ng/ml
Flualprazolam	5.712	357307	16241.62	104.0	3417.26	137081	265.0221 ng/ml
Fluoxetine	5.728	248141	9573.13	7.4	22844.26	35158	254.8819 ng/ml
Hydrocodone	3.027	496652	1502.68	36.3	278.93	124053	245.3780 ng/ml
Hydromorphone	1.615	439115	2934810.37	76.4	1936.99	53335	243.0803 ng/ml
Ketamine	4.049	1016482	461.15	34.5	5616.08	168665	255.2673 ng/ml
Lamotrigine	4.285	87842	7201.44	91.2	1522.38	168665	289.1440 ng/ml
Levetiracetam	2.658	537017	9832.43	165.9	6954.20	442573	260.5618 ng/ml

AA



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* <del>Lorazepam</del>	<del>5.754</del>	<del>435046</del>	<del>20628.94</del>	<del>50.7</del>	<del>2289.22</del>	<del>54907</del>	<del>160.6819 ng/ml</del>
MDA	3.205	1223308	13275.47	29.8	1180.55	103651	272.3164 ng/ml
MDMA	3.299	914711	3351.15	87.7	3484.76	34899	266.3716 ng/ml
Meprobamate	4.910	449550	275.57	28.0	222.34	126971	235.4320 ng/ml
Methadone	5.666	668307	1019.48	60.5	79822.34	110171	250.1159 ng/ml
Methamphetamine	3.233	589032	1629.59	39.2	4627.37	118190	261.8355 ng/ml
Metoprolol	4.338	309026	518300.88	95.5	5525.22	519181	270.9921 ng/ml
NE <del>Mirtazapine</del>	<del>4.603</del>	<del>1077646</del>	<del>17540.70</del>	<del>54.0</del>	<del>5041.37</del>	<del>178055</del>	<del>214.4476 ng/ml</del>
Mitragynine	5.216	125819	681.63	33.4	149323.45	110171	245.8403 ng/ml
Morphine	1.253	90200	4765.80	26.8	397.51	5764	244.4312 ng/ml
Norbuprenorphine	5.005	1755	13210.58	91.9	2343.58	2993	26.8203 ng/ml
Nordiazepam	5.907	632705	2978.93	55.4	559.31	84564	257.9309 ng/ml
Norfentanyl	4.097	290317	13526.58	35.3	3215.08	467957	24.9072 ng/ml
Norhydrocodone	3.075	61751	191.93	37.5	87.76	22941	253.5185 ng/ml
Noroxycodone	2.925	469131	2406.95	47.7	171.91	56037	246.1635 ng/ml
O-desmethyl-tramadol	3.386	3454809	166875.64	5.7	5860.33	676638	248.9191 ng/ml
Oxazepam	5.763	707319	5266.75	75.7	160.68	164226	261.7697 ng/ml
Oxycodone	2.843	1079778	526.40	30.0	750.86	154691	261.0871 ng/ml
Oxymorphone	1.411	428733	∞	48.2	197.88	51320	258.0851 ng/ml
Phentermine	3.787	322249	∞	5.4	126.96	178204	260.4580 ng/ml
Promethazine	5.552	538408	21791.73	31.4	4703.91	92736	247.7682 ng/ml
Pseudoephedrine	2.597	2320997	3415.40	16.9	332.49	442573	254.0978 ng/ml
Quetiapine	5.528	857900	839.60	54.9	143280.04	46192	251.8512 ng/ml
Sertraline	5.796	101816	74797.43	98.8	12861.61	16781	255.8404 ng/ml
Temazepam	5.831	1513584	13068.43	27.9	2029.90	323849	248.7565 ng/ml
Tramadol	4.257	2913604	∞	3.3	282.85	519181	262.8290 ng/ml
Trazodone	5.046	615503	103908.04	77.1	401131.12	110728	252.0585 ng/ml
Venlafaxine	5.050	2255784	799.50	32.1	697.80	451311	258.7468 ng/ml
Zolpidem	4.832	3021219	13273.13	30.0	1655.58	549032	261.4781 ng/ml

NE = not evaluated

\*Outside curve range

AG

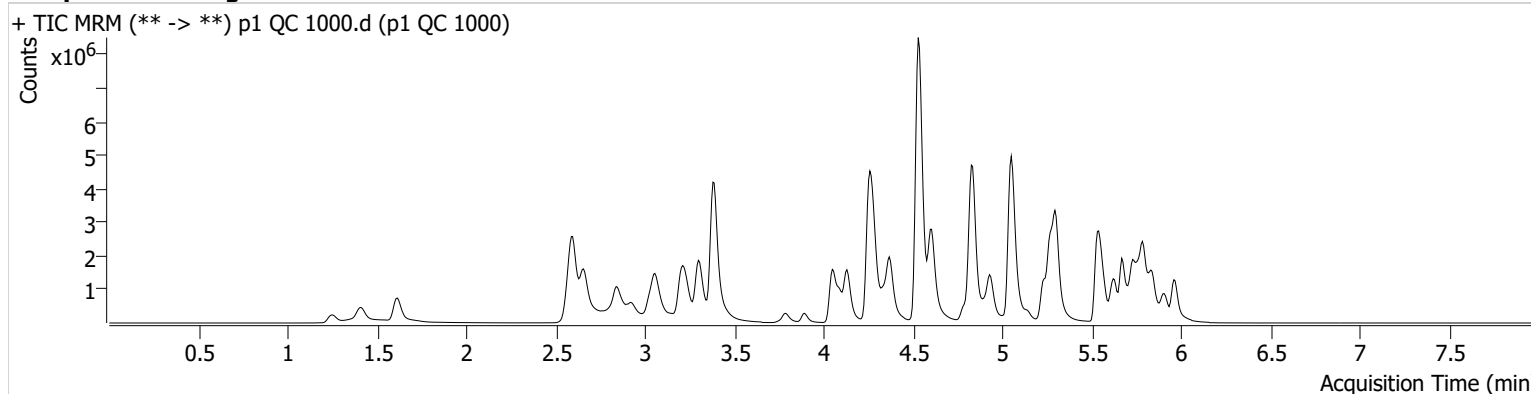


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 1000.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 1000
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-D2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 4:25:26 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	116209	1382.97	70.6	1513.01	27449	100.8523 ng/ml
* <del>7-aminoclonazepam</del>	<del>4.256</del>	<del>841410</del>	<del>5607.05</del>	<del>71.8</del>	<del>5787.63</del>	<del>56841</del>	<del>634.7222 ng/ml</del>
* <del>a-hydroxyalprazolam</del>	<del>5.692</del>	<del>291393</del>	<del>896.81</del>	<del>69.4</del>	<del>160.23</del>	<del>82668</del>	<del>525.2131 ng/ml</del>
NE <del>alpha-PHP</del>	<del>4.936</del>	<del>849236</del>	<del>81310.26</del>	<del>260.4</del>	<del>165228.22</del>	<del>115807</del>	<del>1083.8994 ng/ml</del>
alpha-PVP	4.368	2898904	137932.79	50.8	679.91	115807	950.4357 ng/ml
Alprazolam	5.782	2424337	∞	105.6	3636.78	82668	1008.5378 ng/ml
* <del>Amphetamine</del>	<del>3.058</del>	<del>2846334</del>	<del>52631.79</del>	<del>43.3</del>	<del>271.96</del>	<del>37357</del>	<del>879.9684 ng/ml</del>
Benzoylcegonine	3.890	332943	65029.59	8.2	155930.06	8371	1102.8919 ng/ml
Buprenorphine	5.677	32179	1291.38	15.8	13131.58	13018	97.3772 ng/ml
Bupropion	4.787	617028	76244.83	70.2	14394.37	26082	876.5056 ng/ml
Carisoprodol	5.737	1618071	3859839.91	61.0	4654.91	66566	1022.6948 ng/ml
Citalopram	5.232	1954119	48837.34	33.5	1312.51	82780	1041.3044 ng/ml
Clonazepam	5.619	2098478	25559.41	33.5	46863.85	34225	877.7641 ng/ml
Clonazepam	5.563	1400320	755069.21	34.9	123866.99	34225	965.6775 ng/ml
Cocaine	4.276	3169594	342.16	57.2	1522.18	254029	999.9273 ng/ml
Codeine	2.587	373714	19692.23	100.8	9236.51	23203	889.5149 ng/ml
Cyclobenzaprine	5.635	566868	352439.59	8.0	8502.80	24288	980.8921 ng/ml
Dextromethorphan	5.275	633067	246.10	83.4	1870.67	26174	1004.4491 ng/ml
Dextrophan	4.130	1281980	28396.88	201.3	83029.84	128165	1031.7125 ng/ml
Diazepam	5.960	1723201	∞	90.6	16234.93	81250	1007.0659 ng/ml
* <del>Dihydrocodeine</del>	<del>2.559</del>	<del>1237258</del>	<del>∞</del>	<del>68.9</del>	<del>27458.12</del>	<del>98976</del>	<del>790.1983 ng/ml</del>
Diphenhydramine	5.302	4808218	3596458.16	30.3	17634.42	274250	1092.8141 ng/ml
Doxylamine	4.528	12600304	367551.71	97.2	23889.88	540509	1027.3253 ng/ml
EDDP	5.267	3627944	116440.32	41.8	696.21	189125	1005.9769 ng/ml
Etizolam	5.827	1213546	5942.44	28.0	1251.81	34225	1037.1905 ng/ml
Fentanyl	5.088	83874	1211.24	67.7	304.61	39501	109.7471 ng/ml
Flualprazolam	5.712	732841	18152.39	108.3	44319.84	82668	901.9112 ng/ml
Fluoxetine	5.728	308187	27737.58	7.6	37974.82	10849	1026.1836 ng/ml
Hydrocodone	3.027	1788372	316.19	37.7	606.87	117812	931.8223 ng/ml
Hydromorphone	1.615	1655737	8220494.33	77.2	7010740.92	50424	969.4097 ng/ml
Ketamine	4.049	3290367	2002.10	33.7	13188.94	145986	956.4342 ng/ml
* <del>Lamotrigine</del>	<del>4.292</del>	<del>208137</del>	<del>1945.37</del>	<del>90.9</del>	<del>185162.45</del>	<del>145986</del>	<del>792.0524 ng/ml</del>
Levetiracetam	2.658	1504298	9645.47	168.1	40716.72	335287	963.7135 ng/ml

p1 QC 1000

NE = not evaluated

\*Outside curve range

Generated at 9:43 AM on 5/26/2022



AA



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	<del>5.754</del>	<del>529730</del>	<del>20822.29</del>	<del>52.1</del>	<del>776.22</del>	<del>34225</del>	<del>316.6862 ng/ml</del>
MDA	3.205	3093012	58517.65	28.9	3732.65	77973	917.2900 ng/ml
MDMA	3.299	3076293	223979.24	87.0	2692.85	31475	993.7154 ng/ml
* Meprobamate	<del>4.910</del>	<del>1013528</del>	<del>24450.02</del>	<del>27.2</del>	<del>10988.68</del>	<del>95496</del>	<del>708.1577 ng/ml</del>
Methadone	5.666	2269069	69544.71	59.2	1510.32	93878	995.4533 ng/ml
Methamphetamine	3.233	1449097	31500.77	39.4	5040.11	83755	920.9430 ng/ml
Metoprolol	4.338	859158	11200.41	98.5	29747.46	446911	875.8150 ng/ml
NE Mirtazapine	<del>4.603</del>	<del>4311749</del>	<del>9118.14</del>	<del>53.2</del>	<del>139037.02</del>	<del>115807</del>	<del>1308.0625 ng/ml</del>
Mitragynine	5.216	355850	298632.42	35.8	295200.45	93878	813.0623 ng/ml
Morphine	1.253	285712	2284.35	26.7	3782.07	4838	922.0229 ng/ml
Norbuprenorphine	5.005	5138	7456.11	89.6	3176.74	2066	113.6461 ng/ml
Nordiazepam	5.907	1196016	8039.28	54.6	6257.73	43871	940.8622 ng/ml
Norfentanyl	4.090	1150871	38726.14	35.7	16464.28	432867	106.6037 ng/ml
* Norhydrocodone	<del>3.075</del>	<del>271793</del>	<del>1063.14</del>	<del>39.8</del>	<del>171.95</del>	<del>19277</del>	<del>1323.4336 ng/ml</del>
Noroxycodone	2.925	1126909	2909.85	47.5	964.88	28302	1171.8667 ng/ml
O-desmethyl-tramadol	3.386	11558415	∞	5.8	17755.36	557947	1009.4641 ng/ml
Oxazepam	5.756	723335	14547.93	75.7	4449.04	47881	919.5909 ng/ml
Oxycodone	2.836	3416271	761.02	30.0	927.95	147267	869.0186 ng/ml
Oxymorphone	1.405	1482012	∞	45.8	∞	46578	983.8682 ng/ml
Phentermine	3.787	828824	19337.89	5.1	1222.11	131010	913.4786 ng/ml
Promethazine	5.545	1374698	92106.29	31.7	10659.68	58124	1007.6265 ng/ml
Pseudoephedrine	2.597	7165360	137213.39	16.9	2301524.87	335287	1034.7544 ng/ml
Quetiapine	5.528	3572289	2837.70	60.2	1593.92	52182	930.0267 ng/ml
Sertraline	5.796	130664	690.28	96.3	458.38	5131	1072.8934 ng/ml
Temazepam	5.837	2044071	35116.09	28.2	5640.60	118587	919.5817 ng/ml
Tramadol	4.251	8898844	812.72	3.2	430.88	446911	933.7373 ng/ml
* Trazodone	<del>5.046</del>	<del>2321010</del>	<del>304047.68</del>	<del>80.9</del>	<del>1995532.06</del>	<del>140981</del>	<del>747.9626 ng/ml</del>
Venlafaxine	5.050	7925361	8074.41	30.1	1430.82	377673	1085.8727 ng/ml
Zolpidem	4.825	10632390	540468.57	28.1	∞	532727	948.8324 ng/ml

NE = not evaluated

\*Outside curve range

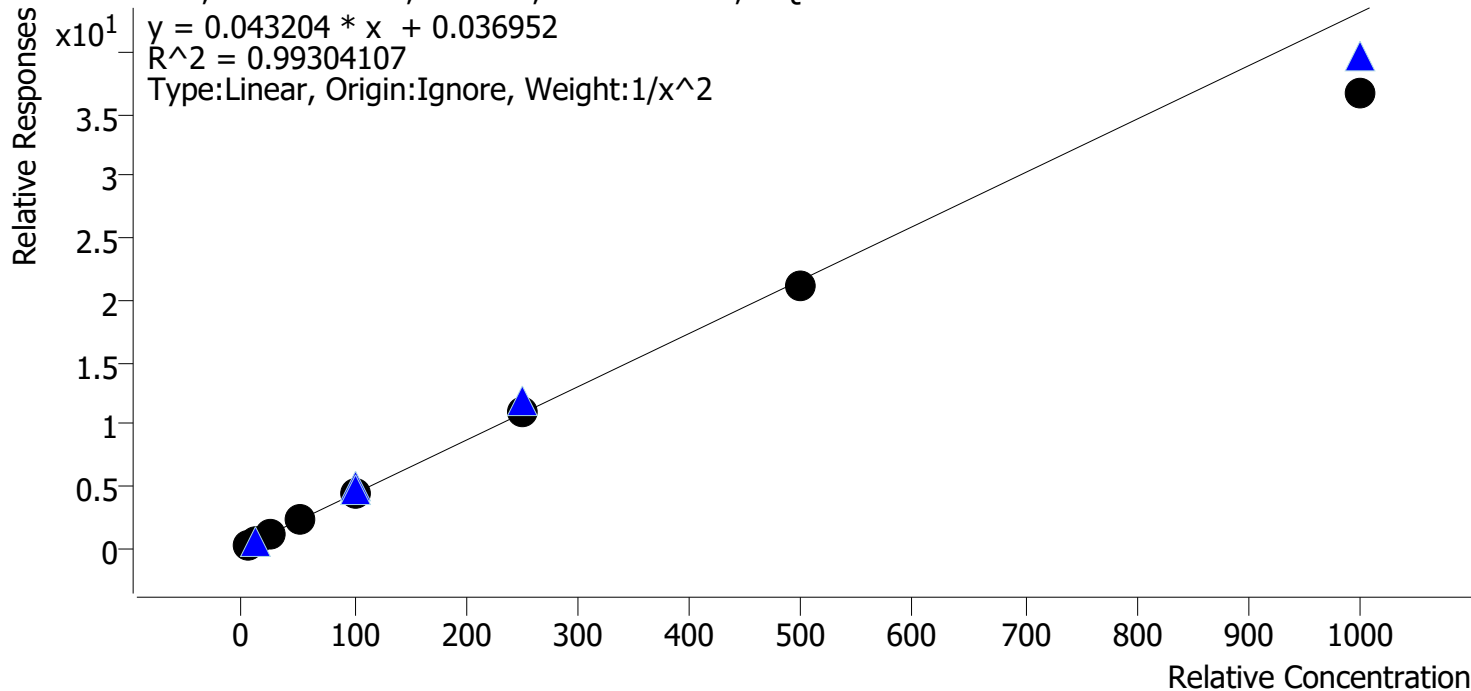
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.0
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	490.0	98.0
p1 Cal 8-1000ng	8	✓	1000.0	849.2	84.9

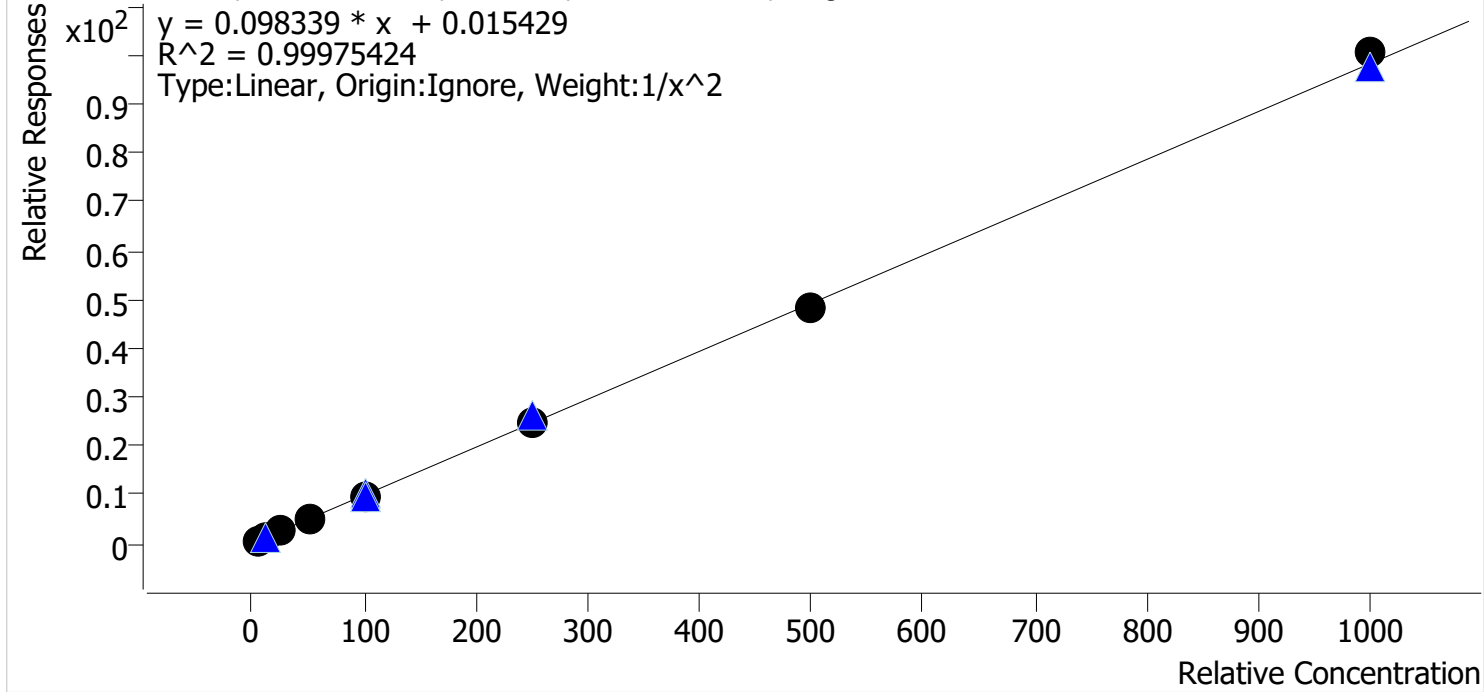
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** MDMA **Internal Standard** MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	251.9	100.7
p1 Cal 7-500ng	7	✓	500.0	487.2	97.4
p1 Cal 8-1000ng	8	✓	1000.0	1023.0	102.3

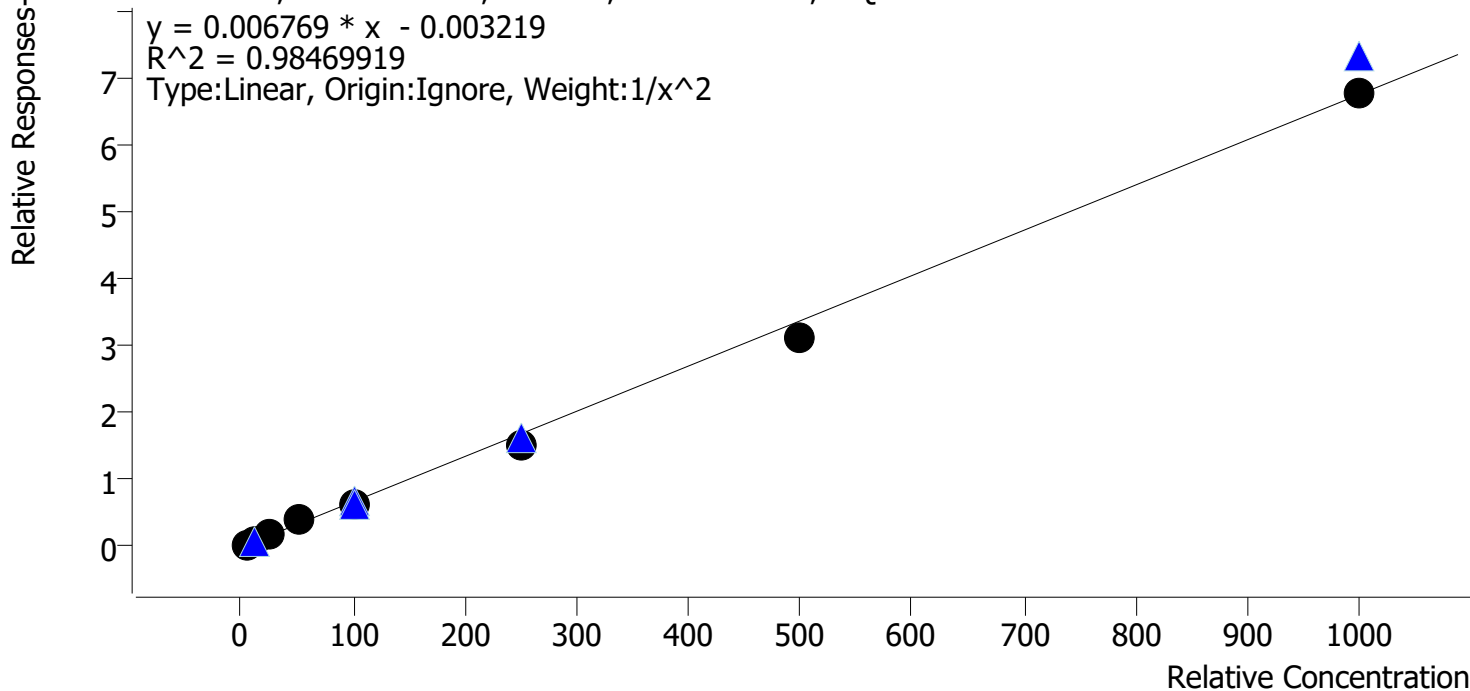
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	62.3	124.5
p1 Cal 5-100ng	5	✓	100.0	93.1	93.1
p1 Cal 6-250ng	6	✓	250.0	228.3	91.3
p1 Cal 7-500ng	7	✓	500.0	458.8	91.8
p1 Cal 8-1000ng	8	✓	1000.0	1001.4	100.1

Compound not evaluated due to cal 4 accuracy

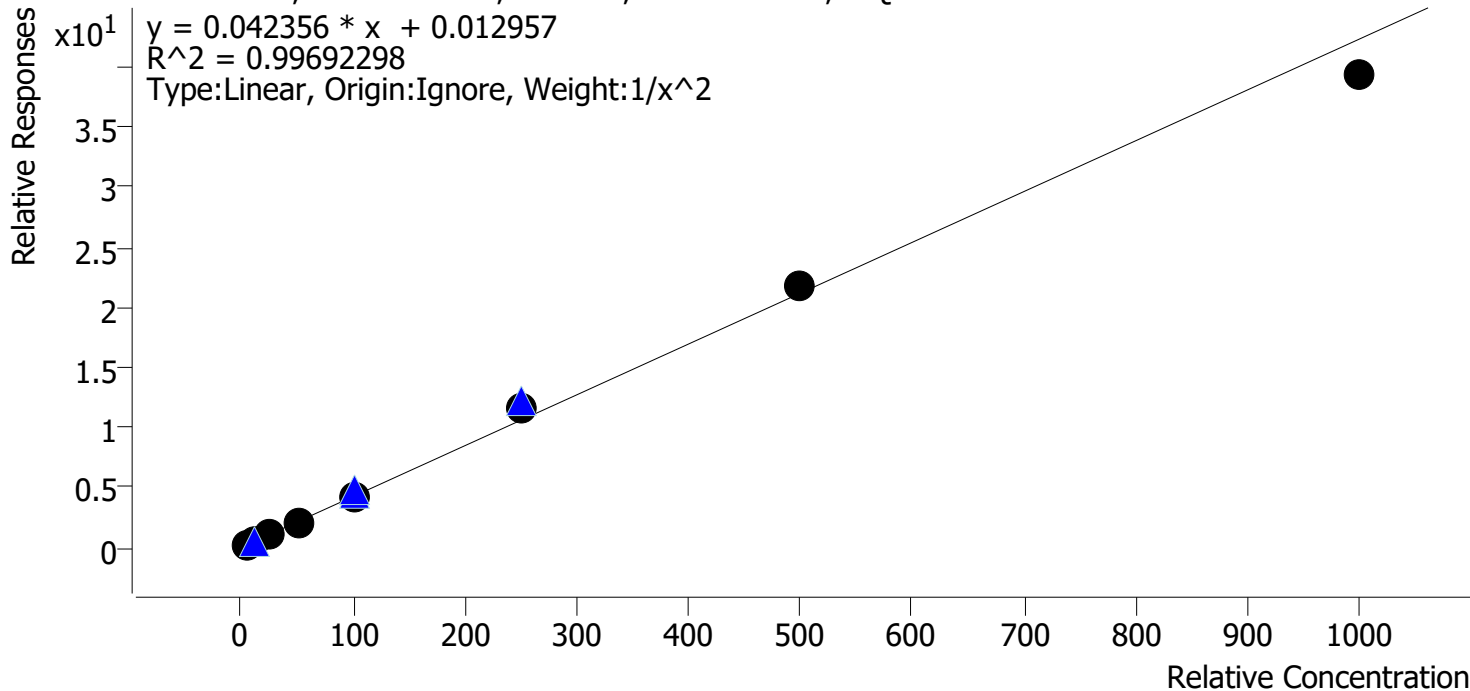
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	47.1	94.2
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	270.9	108.4
p1 Cal 7-500ng	7	✓	500.0	512.6	102.5
p1 Cal 8-1000ng	8	✓	1000.0	932.5	93.3

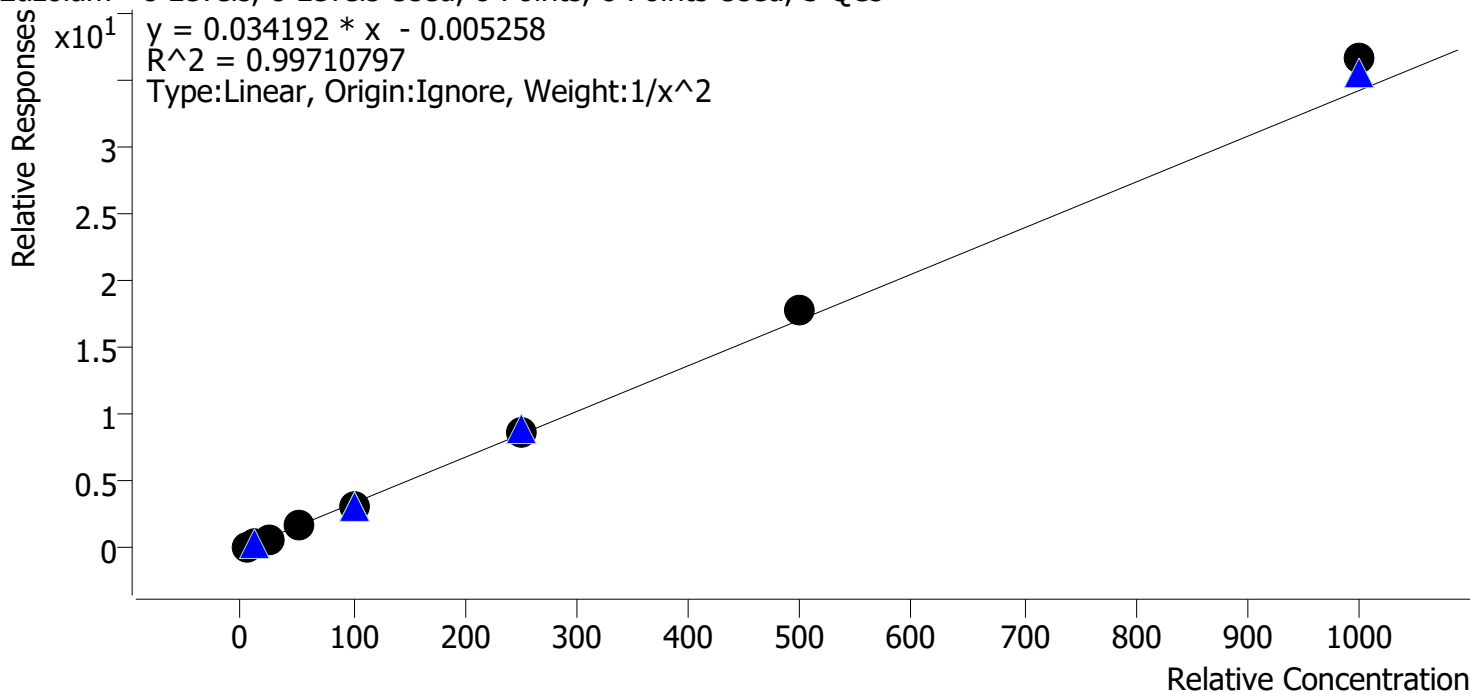
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



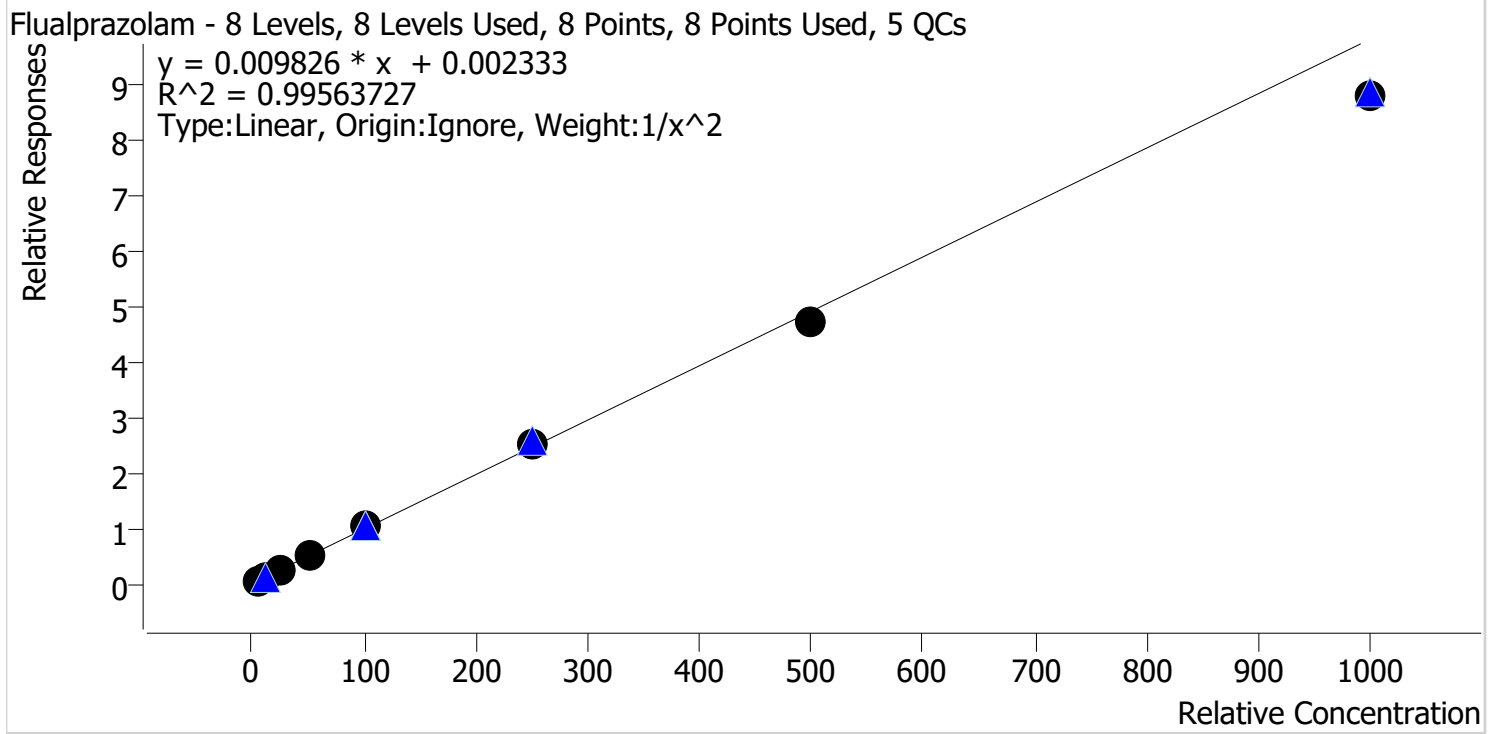
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	93.8	93.8
p1 Cal 6-250ng	6	✓	250.0	256.7	102.7
p1 Cal 7-500ng	7	✓	500.0	519.4	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1069.6	107.0

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



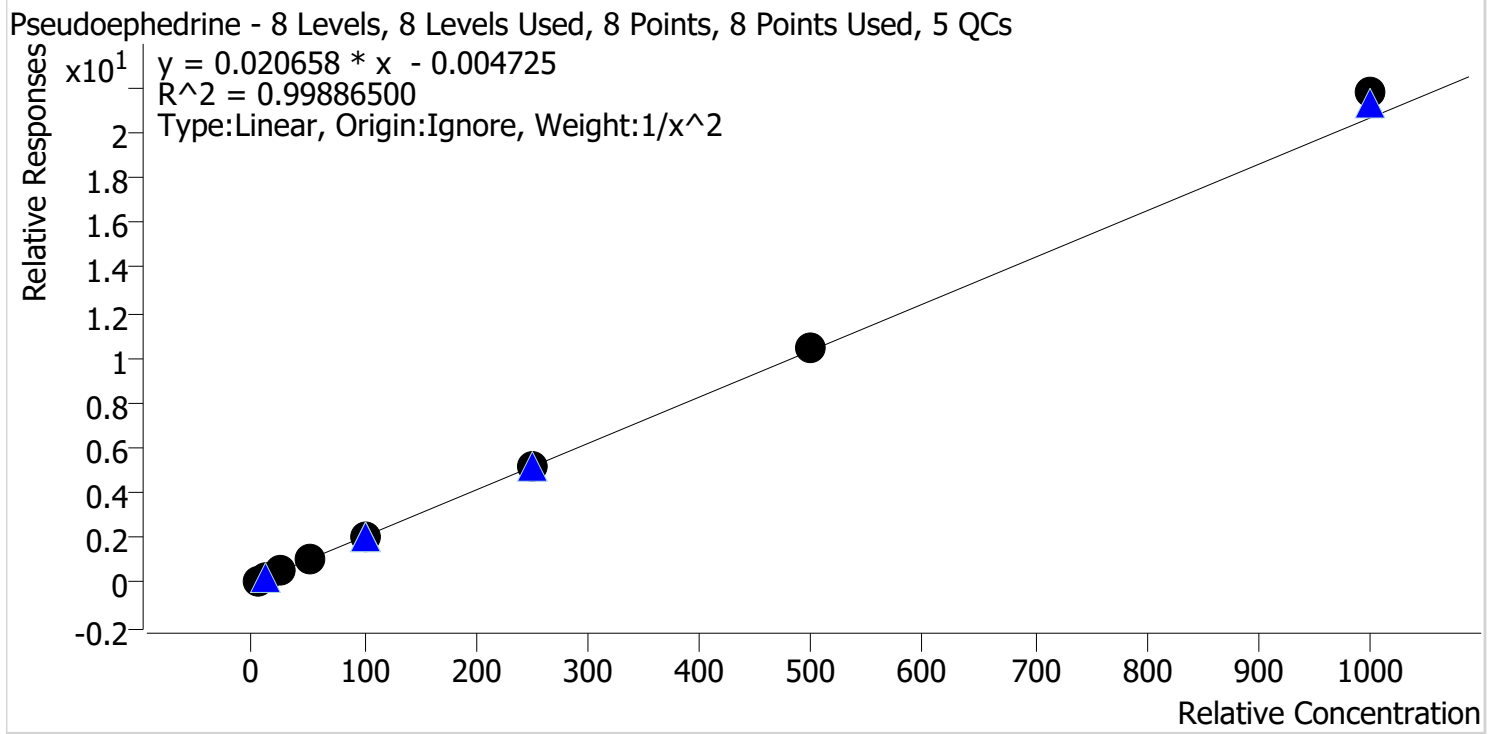
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.7	107.3
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	256.5	102.6
p1 Cal 7-500ng	7	✓	500.0	481.8	96.4
p1 Cal 8-1000ng	8	✓	1000.0	896.0	89.6

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-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	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
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	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	507.3	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1054.4	105.4

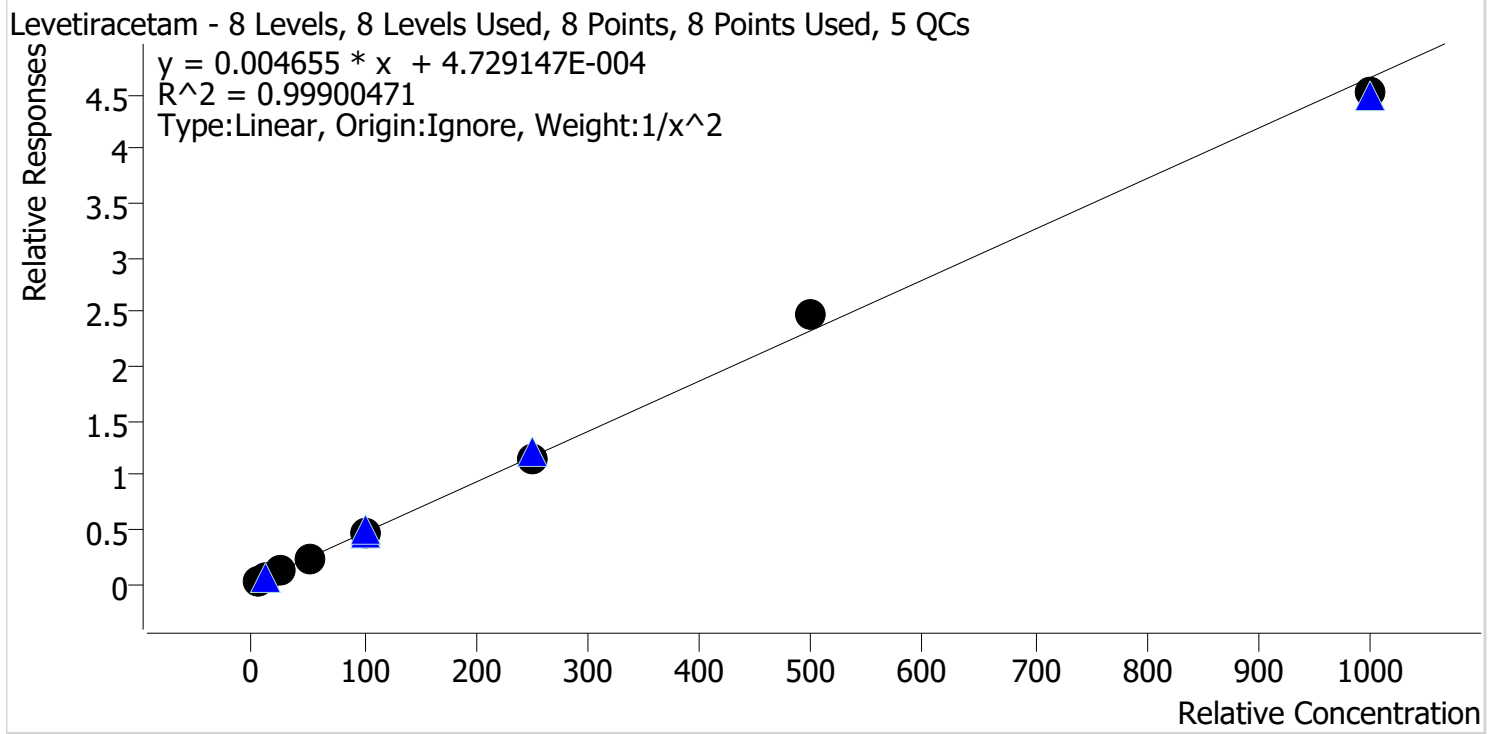


AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3



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	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	528.3	105.7
p1 Cal 8-1000ng	8	✓	1000.0	970.4	97.0

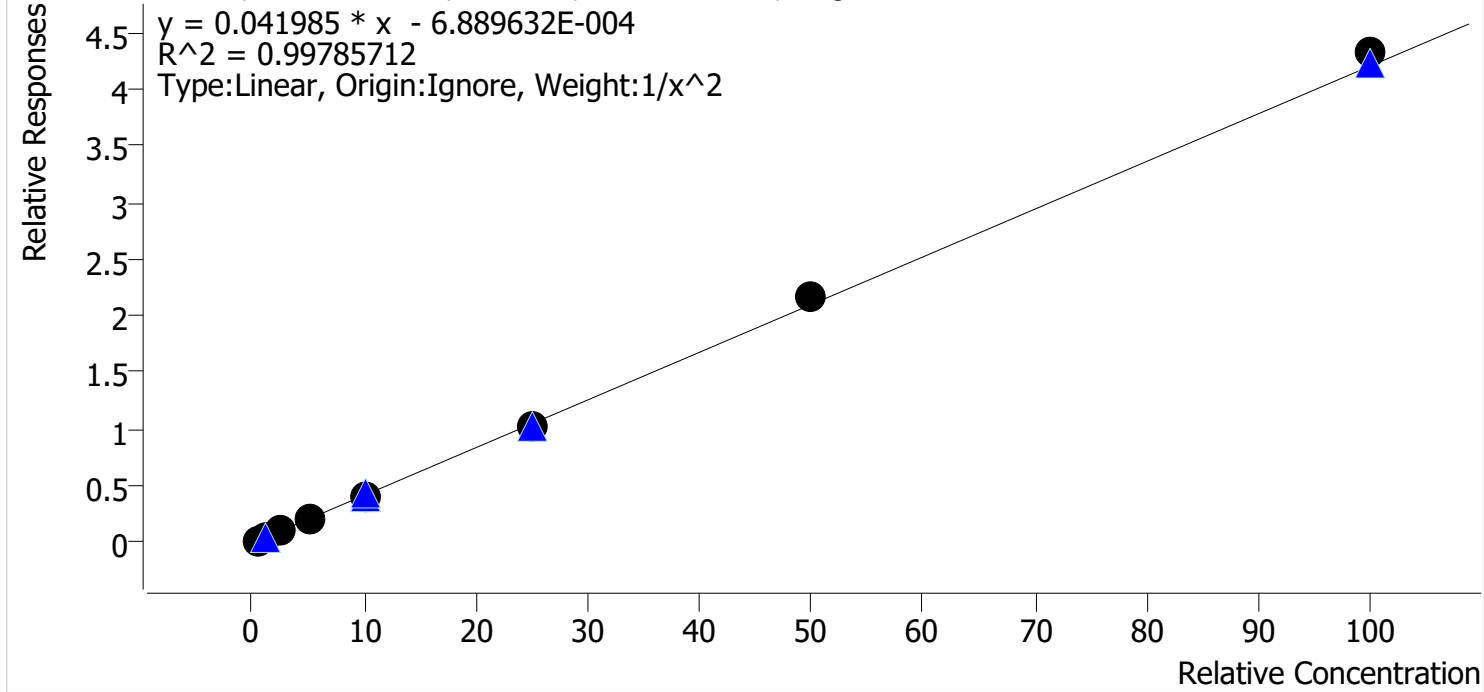
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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



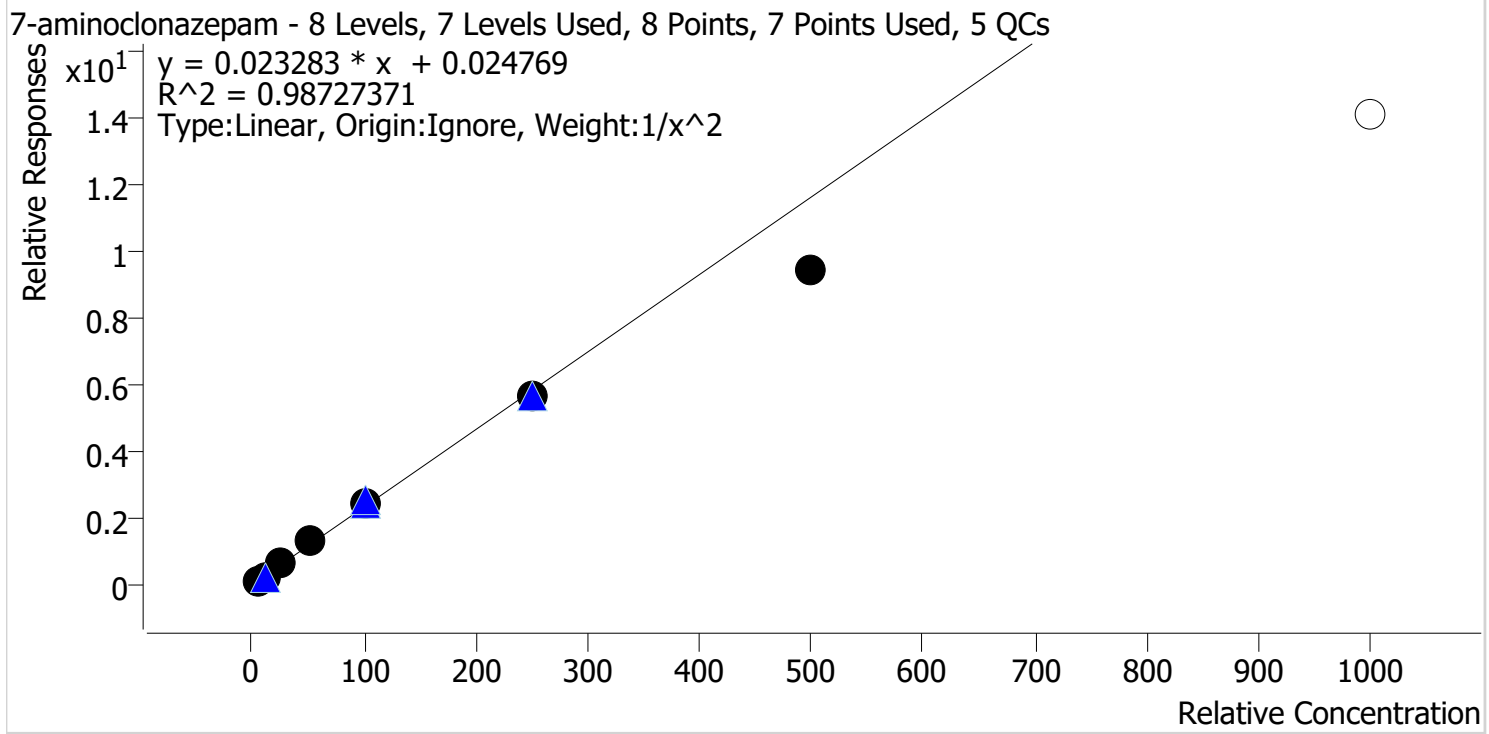
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.5
p1 Cal 2-10ng	2	✓	1.0	1.1	107.3
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.2
p1 Cal 4-50ng	4	✓	5.0	4.8	96.8
p1 Cal 5-100ng	5	✓	10.0	9.9	99.2
p1 Cal 6-250ng	6	✓	25.0	24.2	96.9
p1 Cal 7-500ng	7	✓	50.0	51.6	103.2
p1 Cal 8-1000ng	8	✓	100.0	102.8	102.8

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng	4	✓	50.0	55.3	110.6
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	242.7	97.1
p1 Cal 7-500ng	7	✓	500.0	407.5	81.5
p1 Cal 8-1000ng	8	✗	1000.0	608.7	60.9

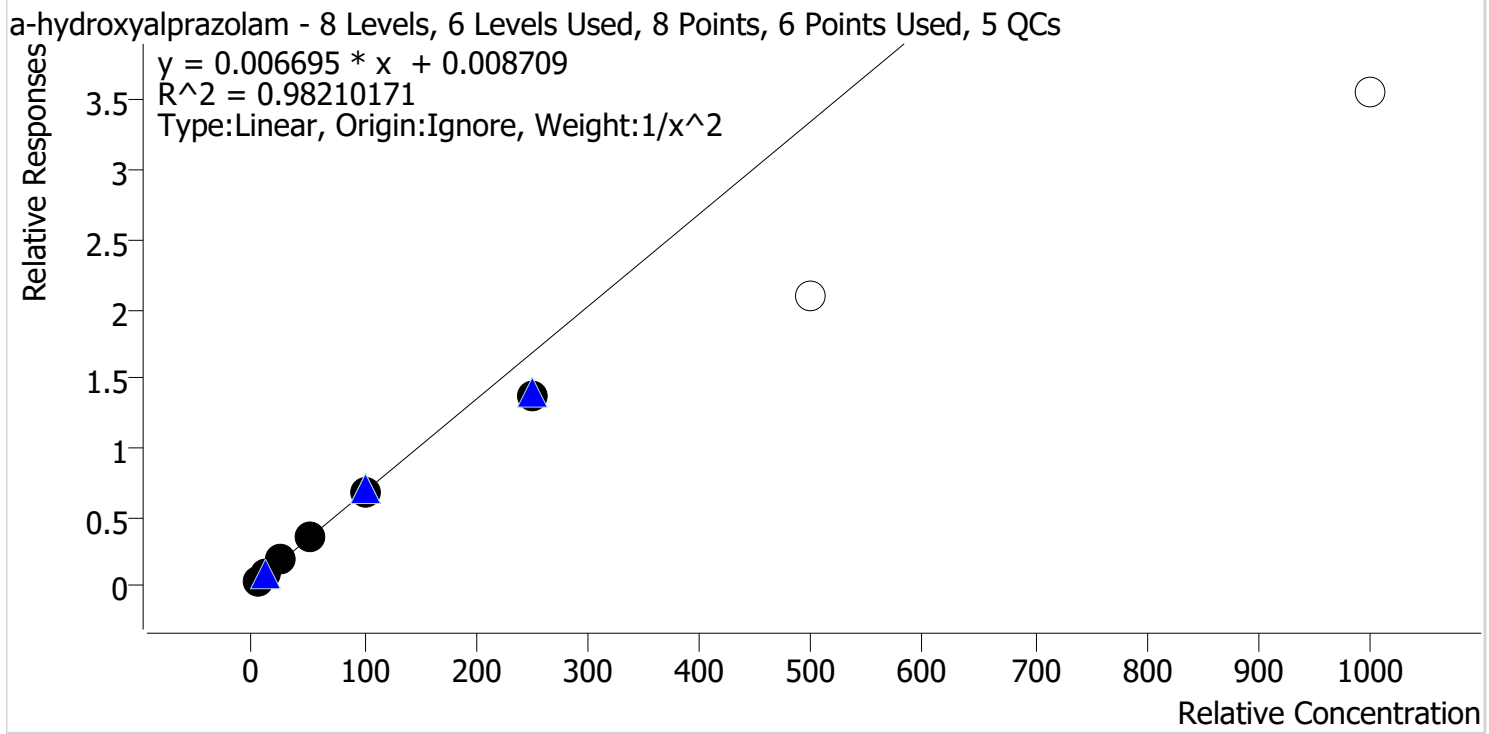
Cal 8 dropped due to accuracy

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.7
p1 Cal 2-10ng	2	✓	10.0	10.5	105.1
p1 Cal 3 -25ng	3	✓	25.0	28.0	112.1
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	202.6	81.0
p1 Cal 7-500ng	7	x	500.0	309.8	62.0
p1 Cal 8-1000ng	8	x	1000.0	530.6	53.1

Cal 7 and 8 dropped due to accuracy

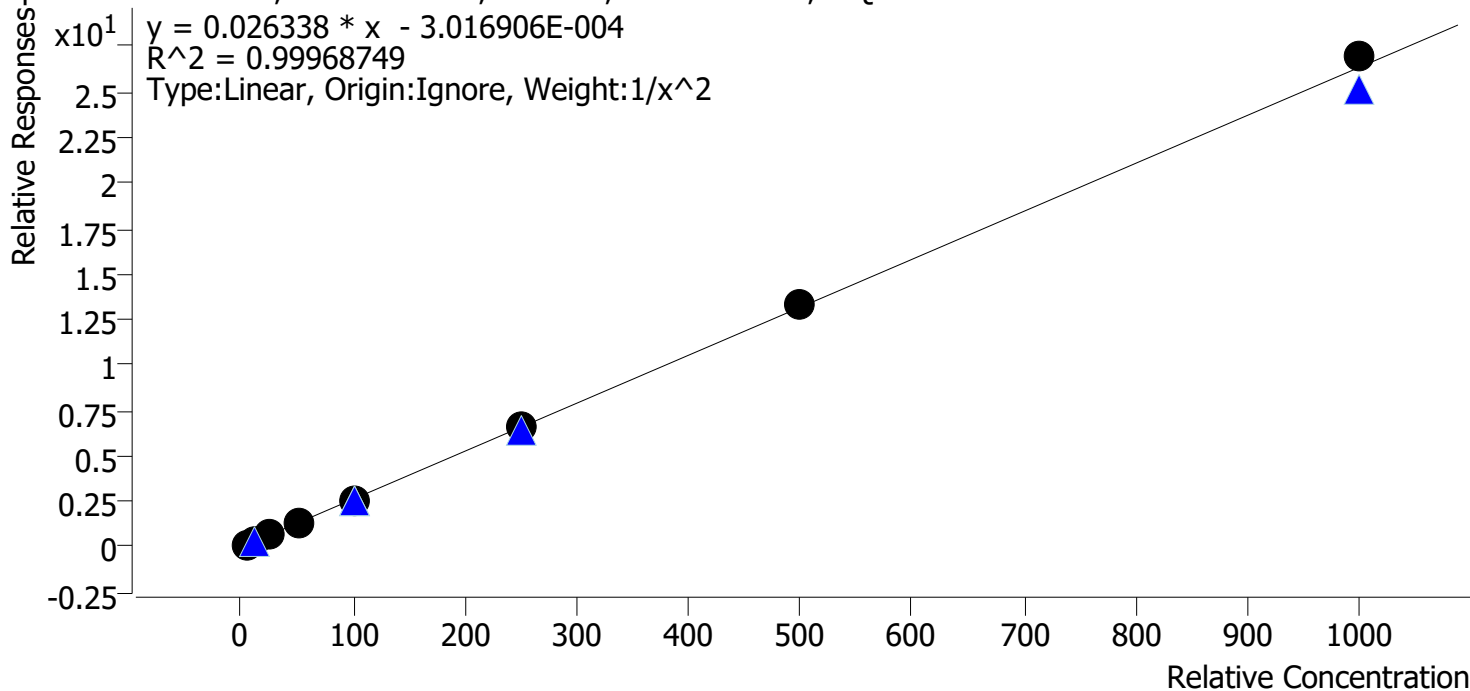
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	508.2	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1022.6	102.3

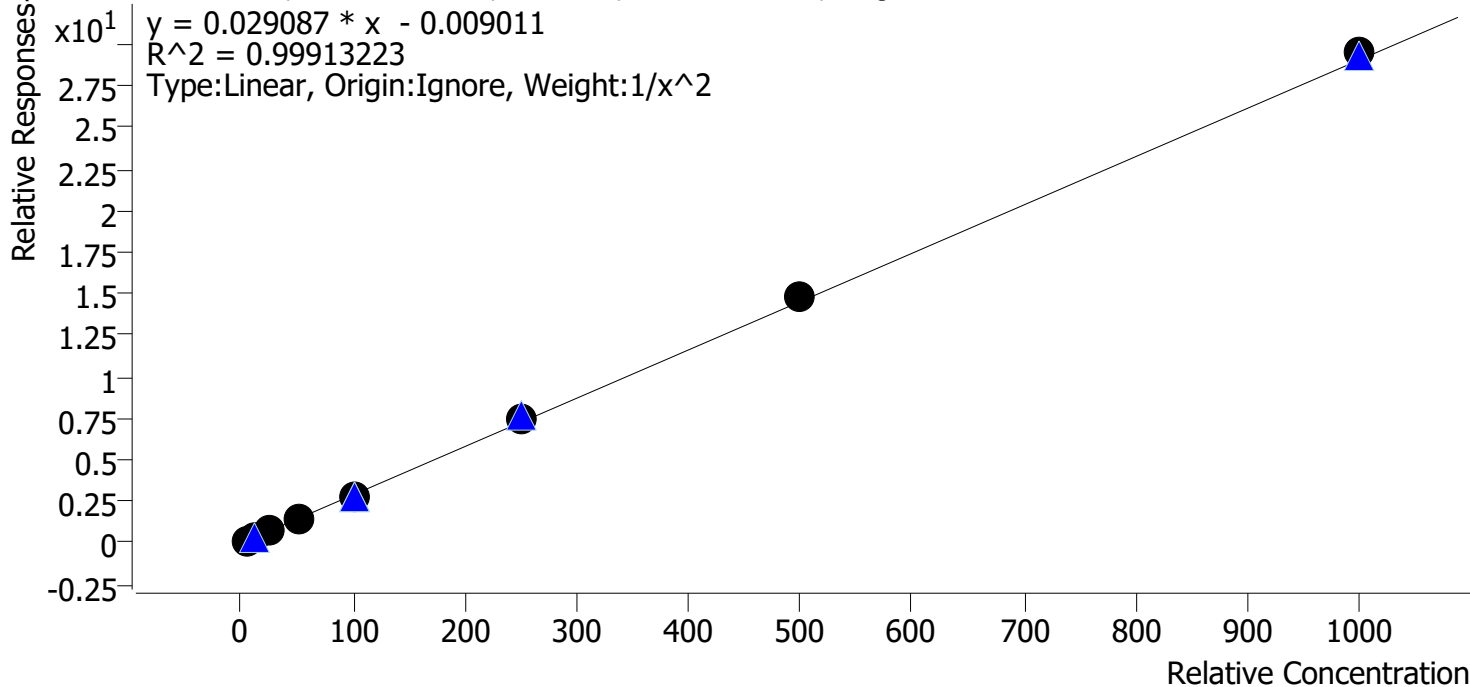
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	48.2	96.3
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	257.3	102.9
p1 Cal 7-500ng	7	✓	500.0	513.4	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1015.4	101.5

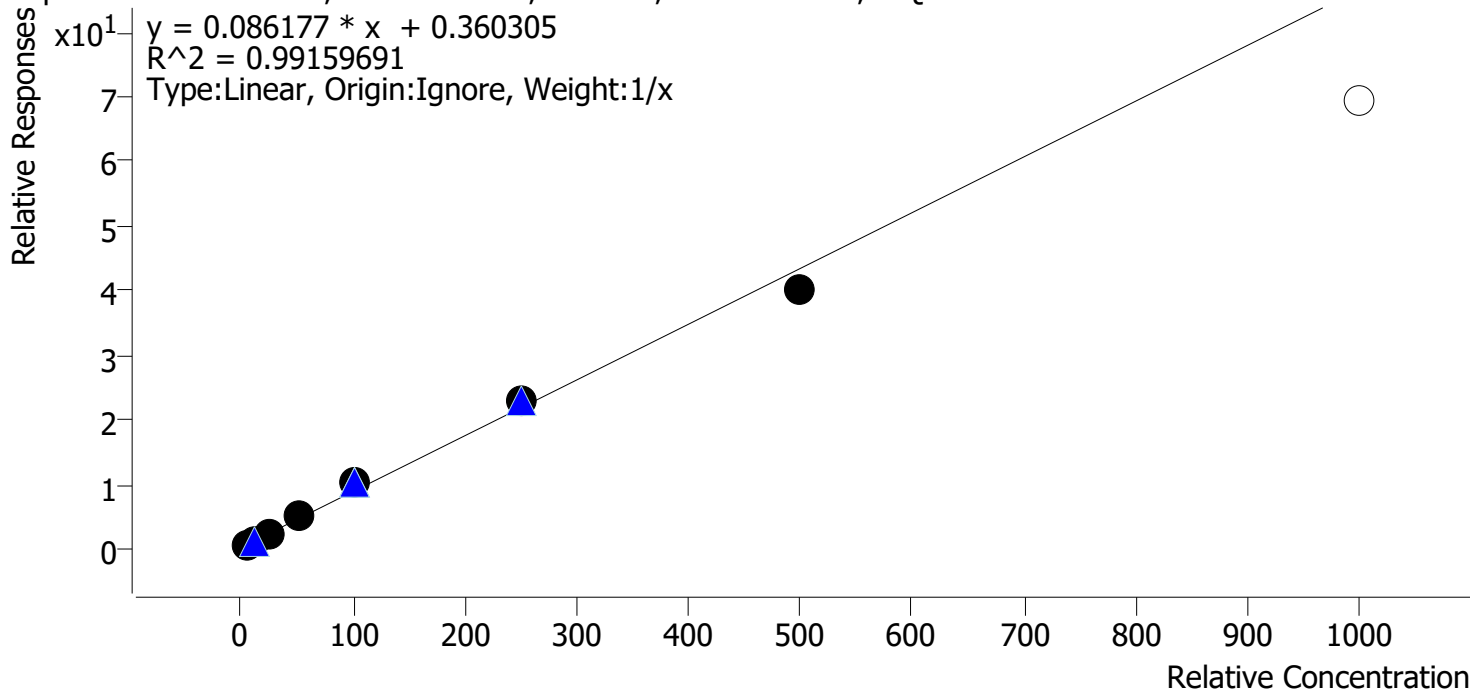
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.4	88.9
p1 Cal 2-10ng	2	✓	10.0	8.5	84.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	57.8	115.6
p1 Cal 5-100ng	5	✓	100.0	113.9	113.9
p1 Cal 6-250ng	6	✓	250.0	265.7	106.3
p1 Cal 7-500ng	7	✓	500.0	465.3	93.1
p1 Cal 8-1000ng	8	x	1000.0	803.5	80.4

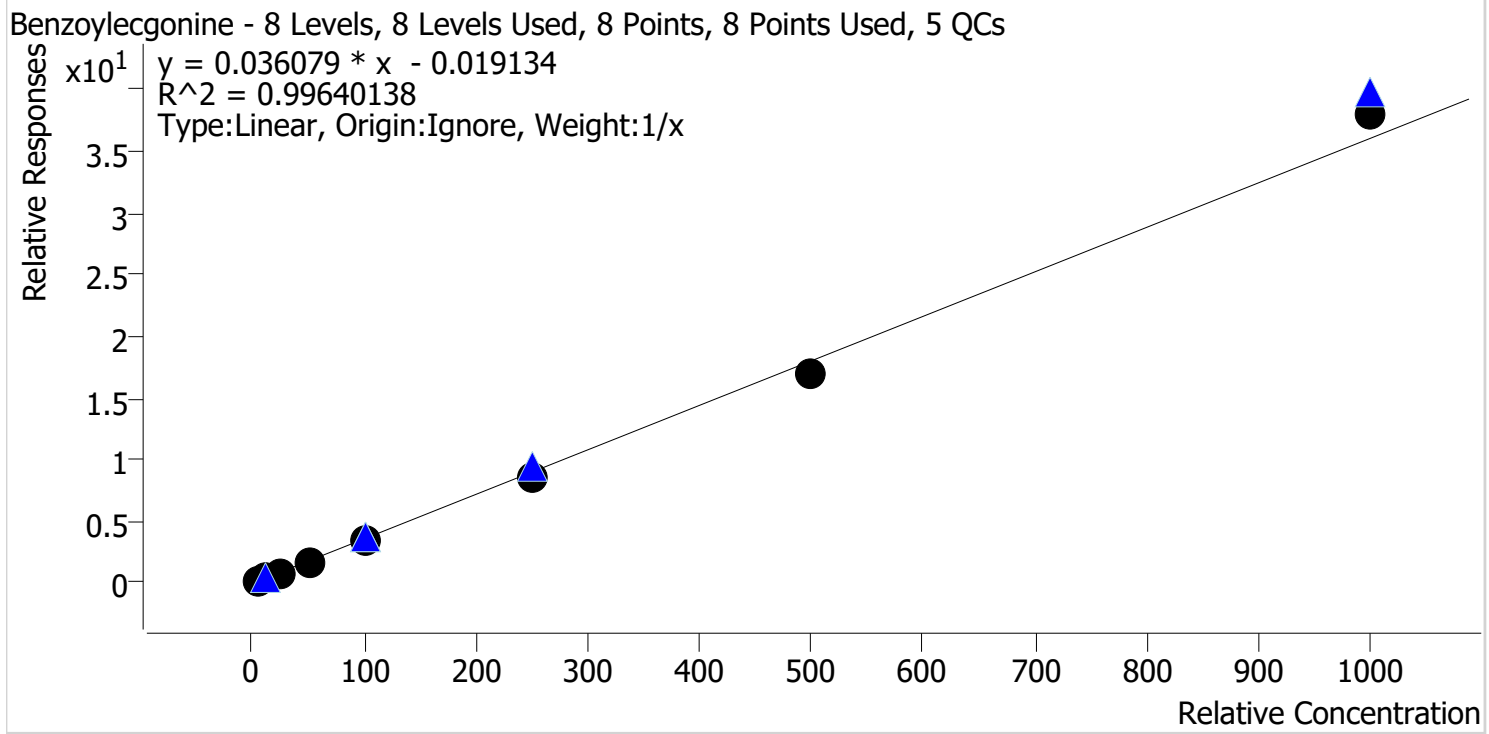
Cal 8 dropped due to accuracy

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.9	118.1
p1 Cal 2-10ng	2	✓	10.0	10.6	106.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	44.9	89.8
p1 Cal 5-100ng	5	✓	100.0	94.3	94.3
p1 Cal 6-250ng	6	✓	250.0	237.7	95.1
p1 Cal 7-500ng	7	✓	500.0	469.2	93.8
p1 Cal 8-1000ng	8	✓	1000.0	1053.1	105.3

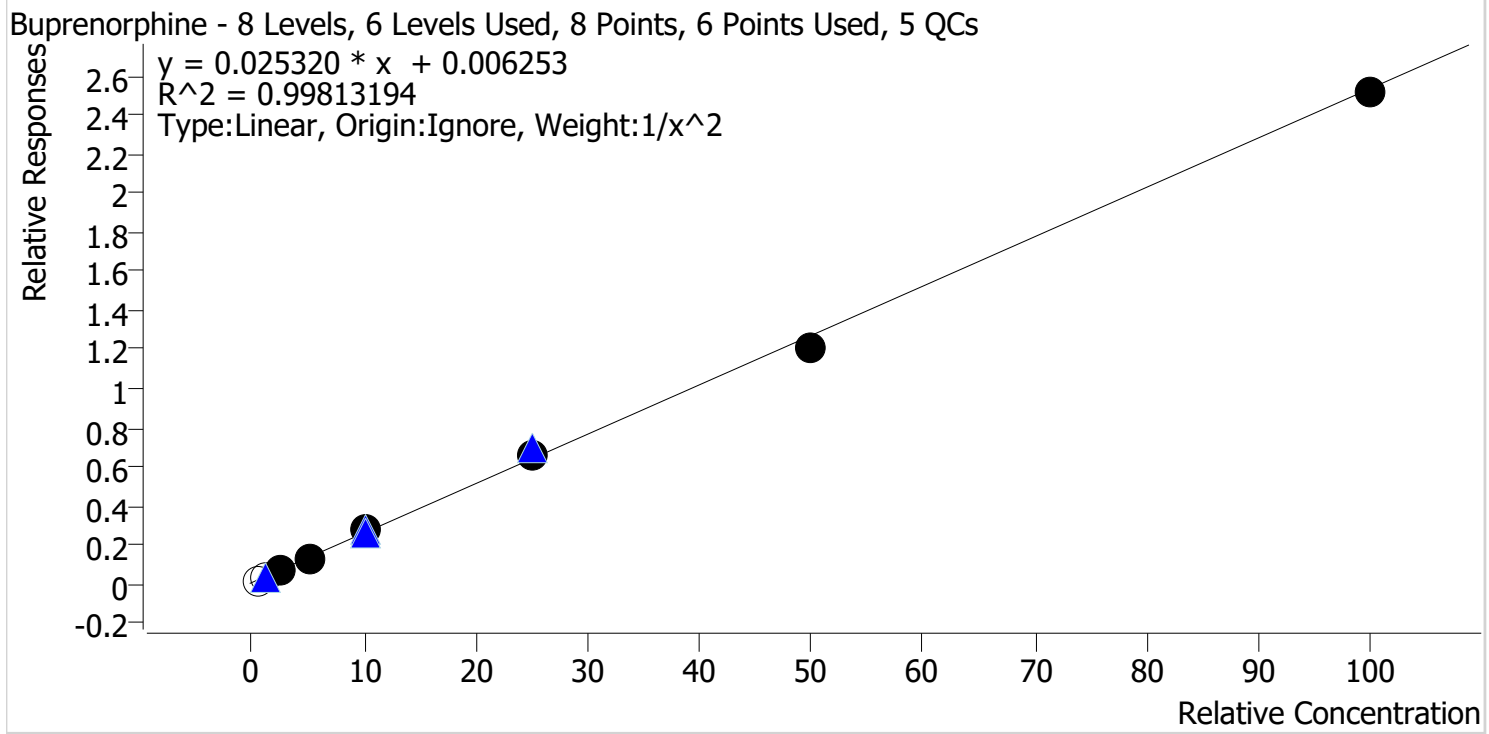


AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.3	62.5
p1 Cal 2-10ng	2	x	1.0	0.8	77.3
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.9
p1 Cal 4-50ng	4	✓	5.0	5.0	99.9
p1 Cal 5-100ng	5	✓	10.0	10.4	104.3
p1 Cal 6-250ng	6	✓	25.0	25.8	103.2
p1 Cal 7-500ng	7	✓	50.0	47.3	94.5
p1 Cal 8-1000ng	8	✓	100.0	99.2	99.2

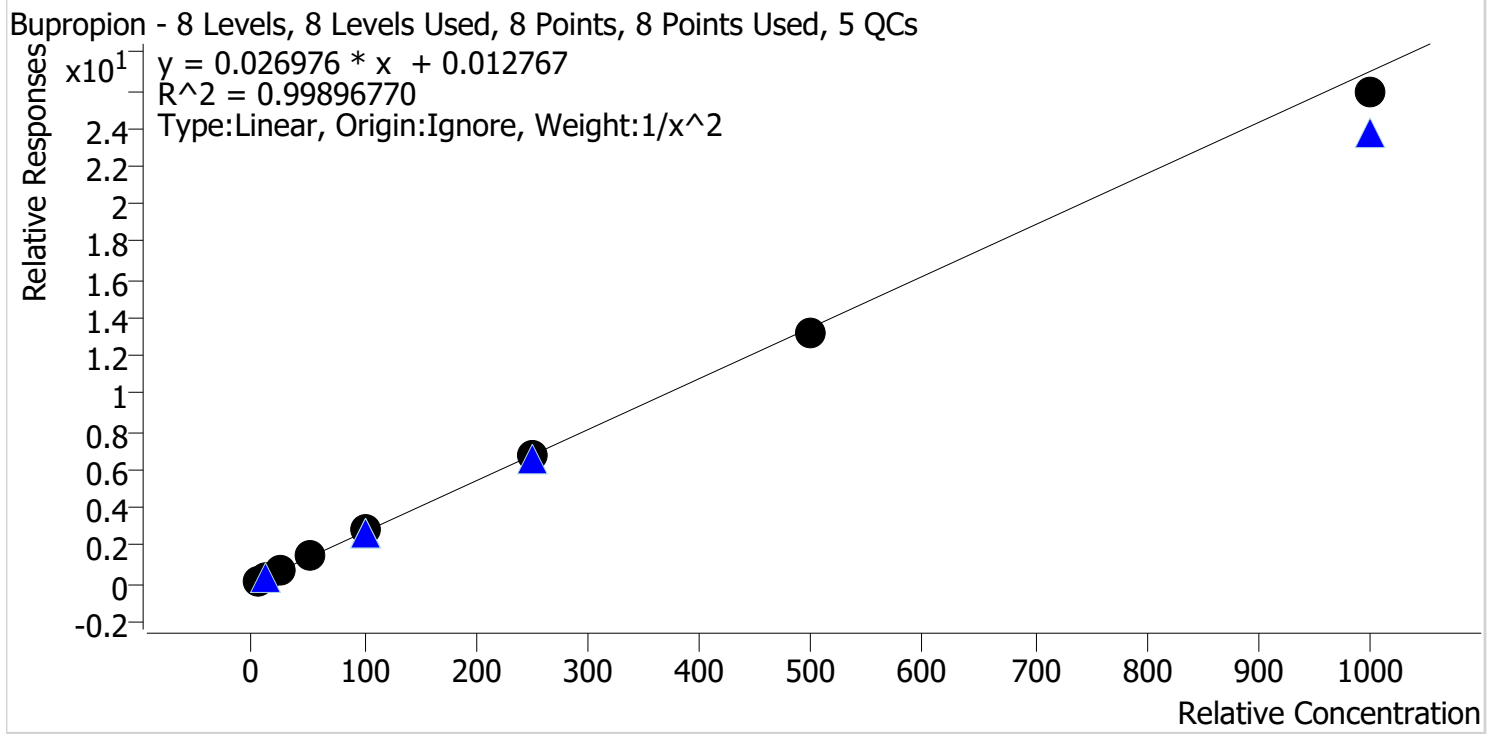
Cal 1 and 2 dropped due to ratio being out

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



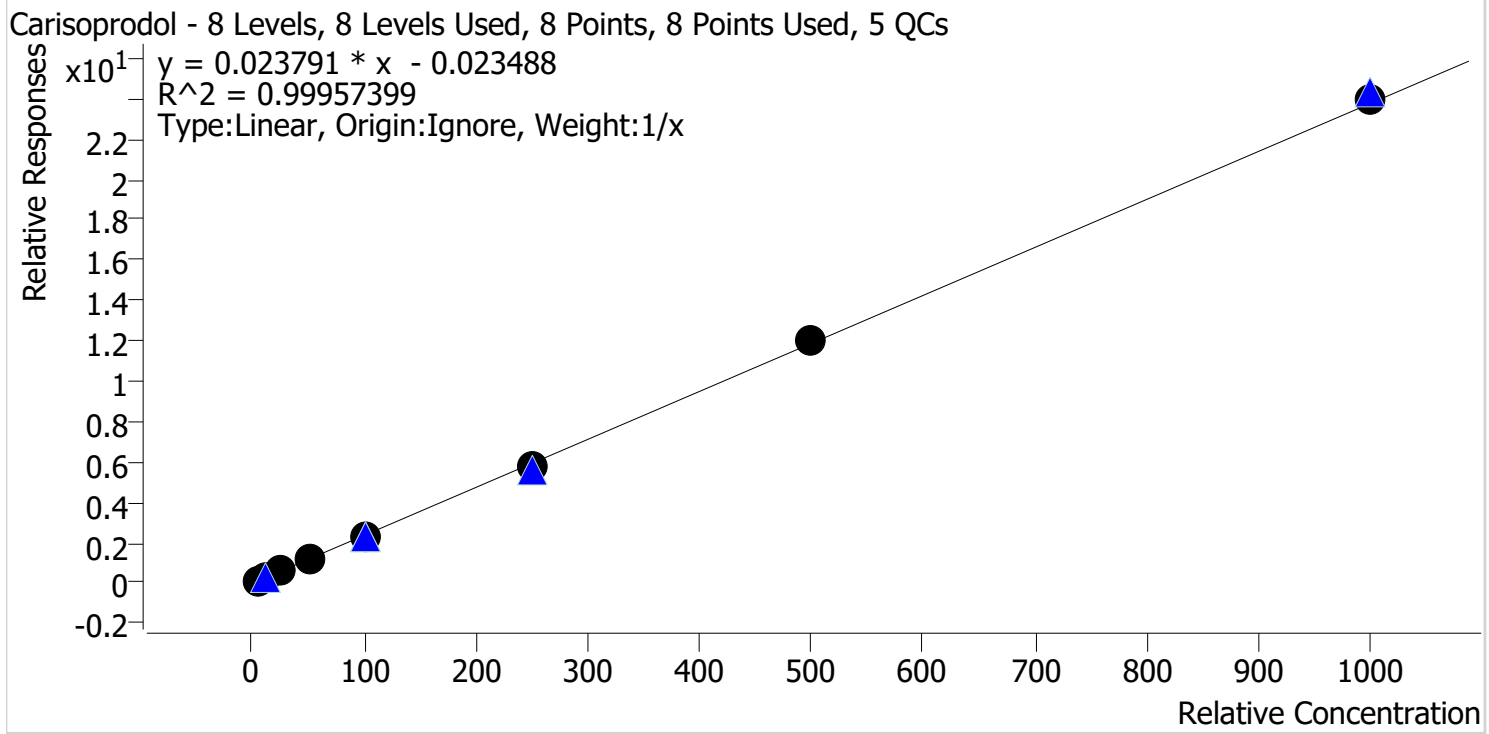
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	489.8	98.0
p1 Cal 8-1000ng	8	✓	1000.0	958.6	95.9

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	✓	250.0	242.6	97.0
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1008.1	100.8

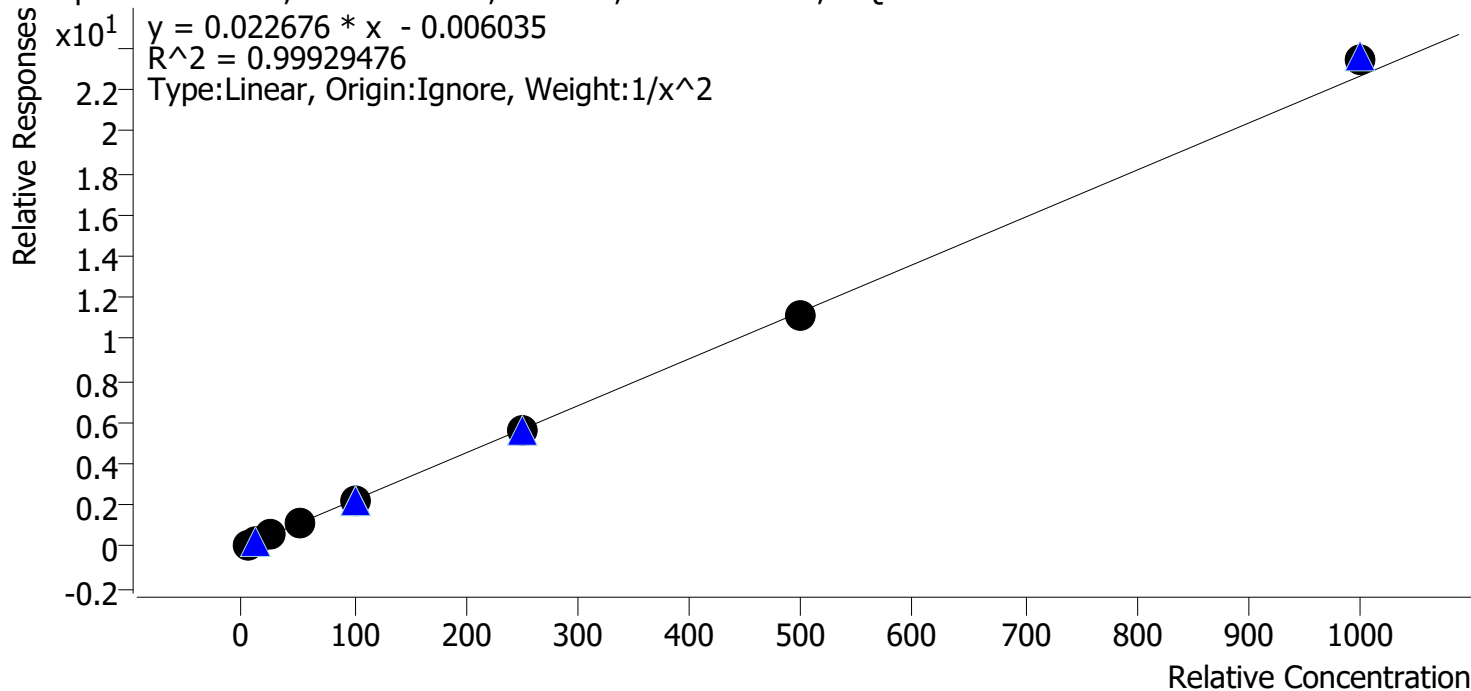
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



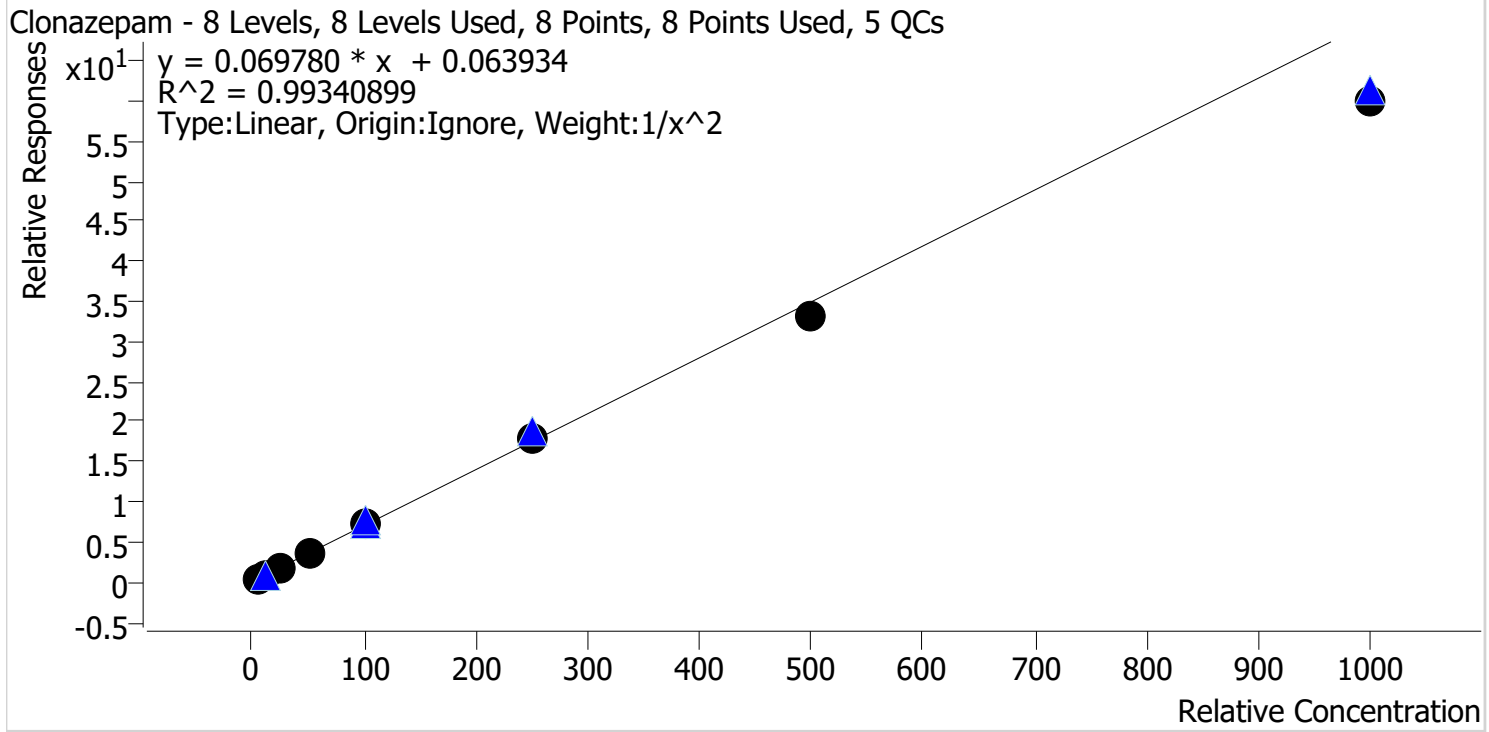
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	495.1	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1038.1	103.8

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	257.4	102.9
p1 Cal 7-500ng	7	✓	500.0	475.5	95.1
p1 Cal 8-1000ng	8	✓	1000.0	857.7	85.8

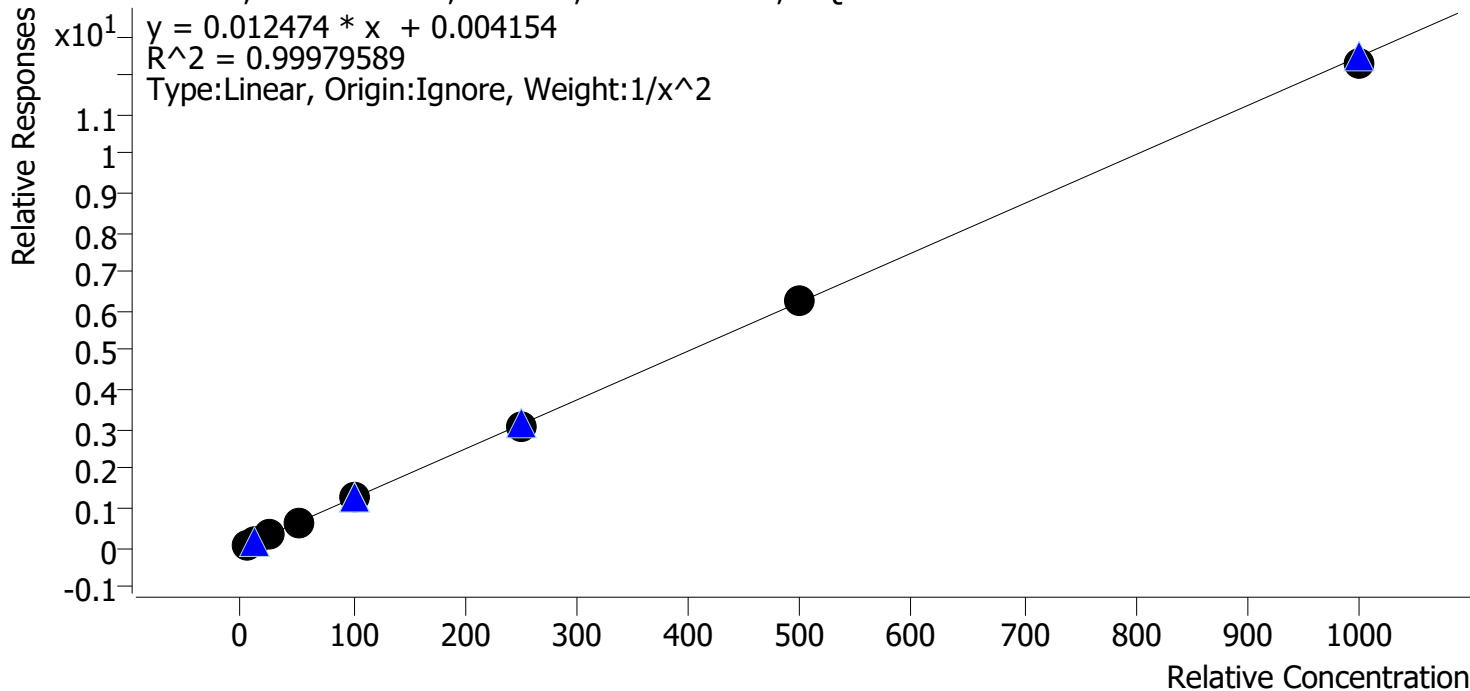
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	500.6	100.1
p1 Cal 8-1000ng	8	✓	1000.0	984.8	98.5

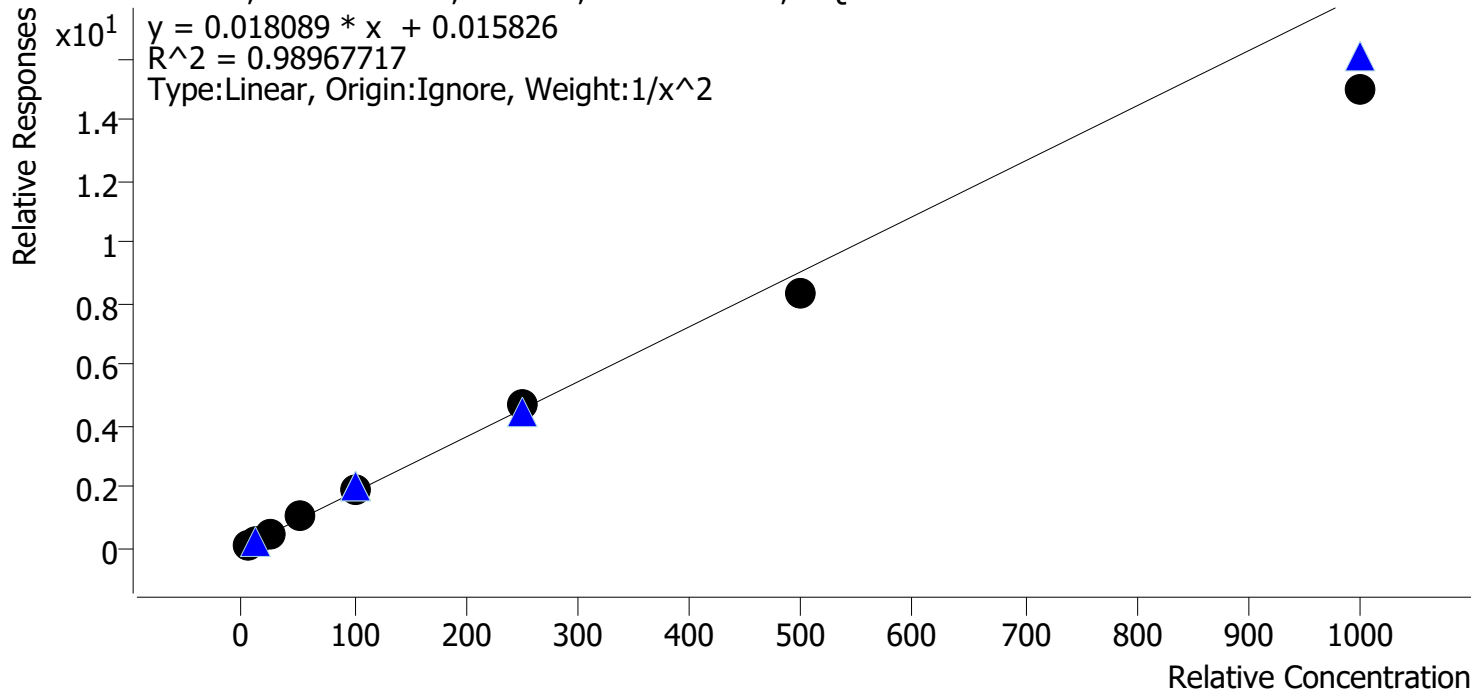
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.0
p1 Cal 4-50ng	4	✓	50.0	54.7	109.5
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	258.8	103.5
p1 Cal 7-500ng	7	✓	500.0	463.1	92.6
p1 Cal 8-1000ng	8	✓	1000.0	829.3	82.9

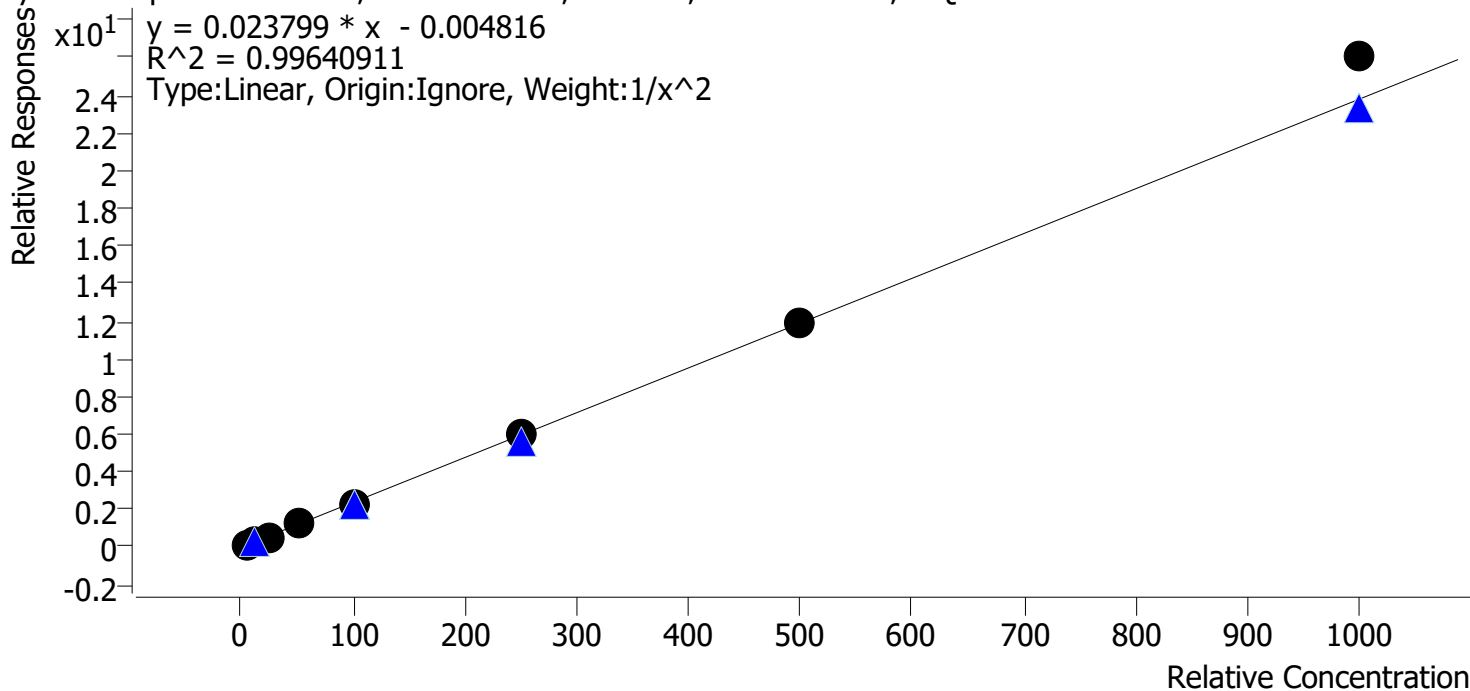
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.3
p1 Cal 2-10ng	2	✓	10.0	9.3	92.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	49.8	99.5
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	496.4	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1095.1	109.5



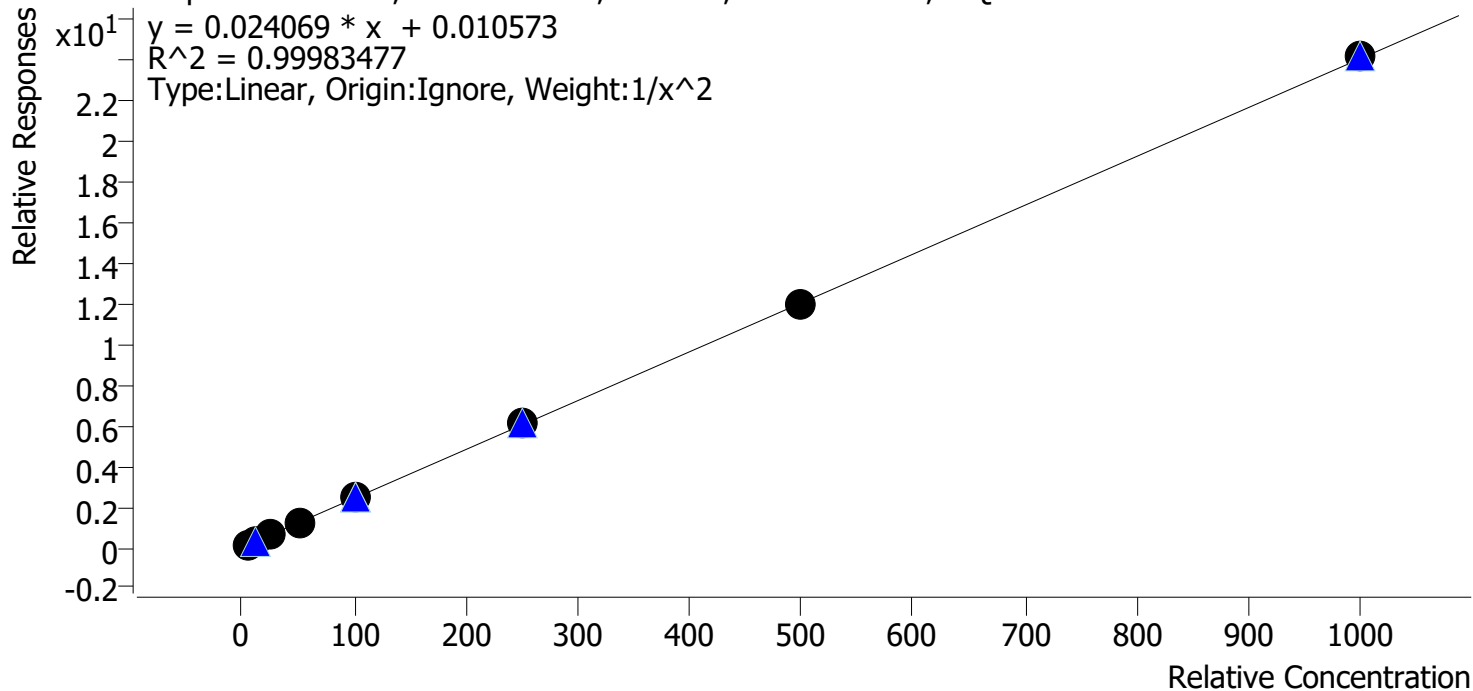
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



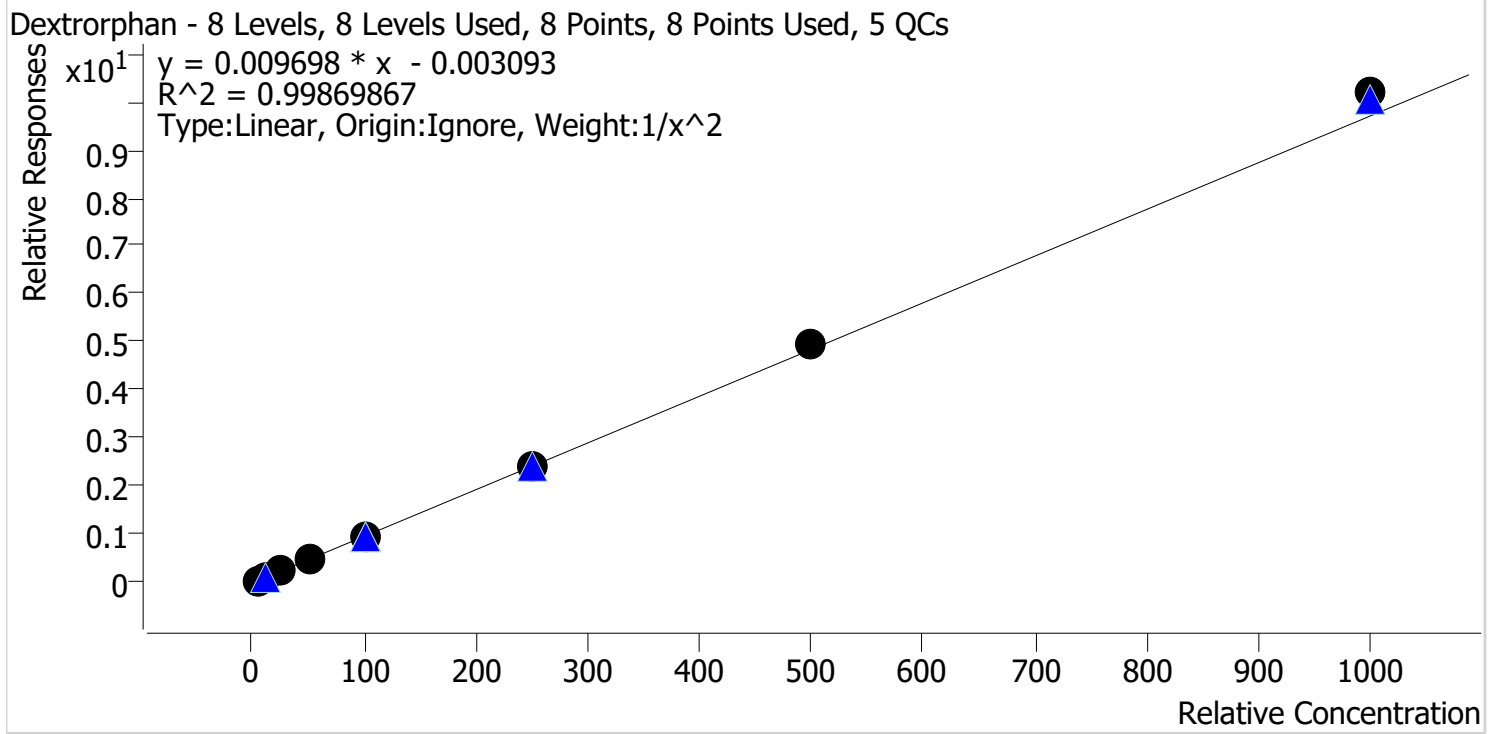
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	494.0	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1002.0	100.2

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Dextrophan Internal Standard Dextrophan-D3



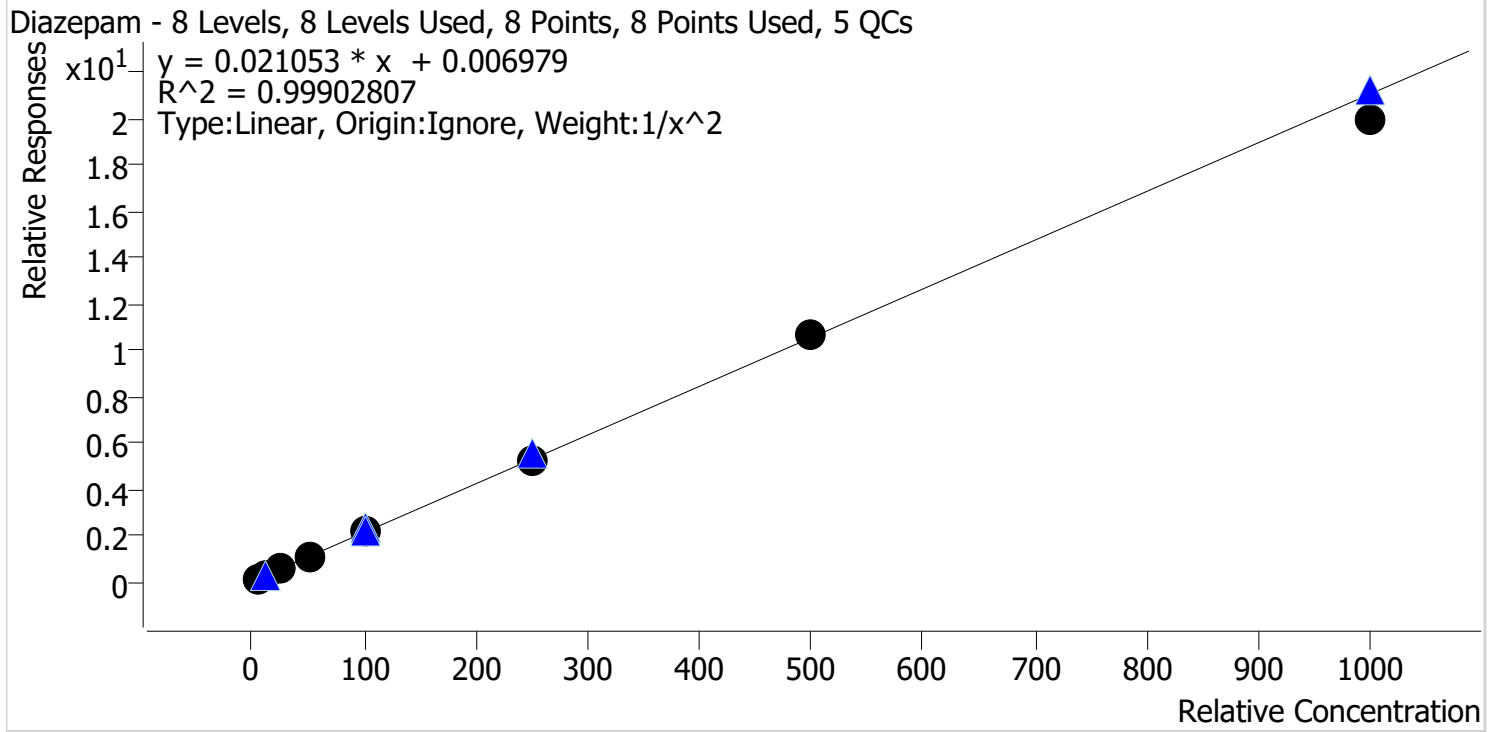
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	247.6	99.0
p1 Cal 7-500ng	7	✓	500.0	510.3	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1050.2	105.0

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	507.0	101.4
p1 Cal 8-1000ng	8	✓	1000.0	947.9	94.8

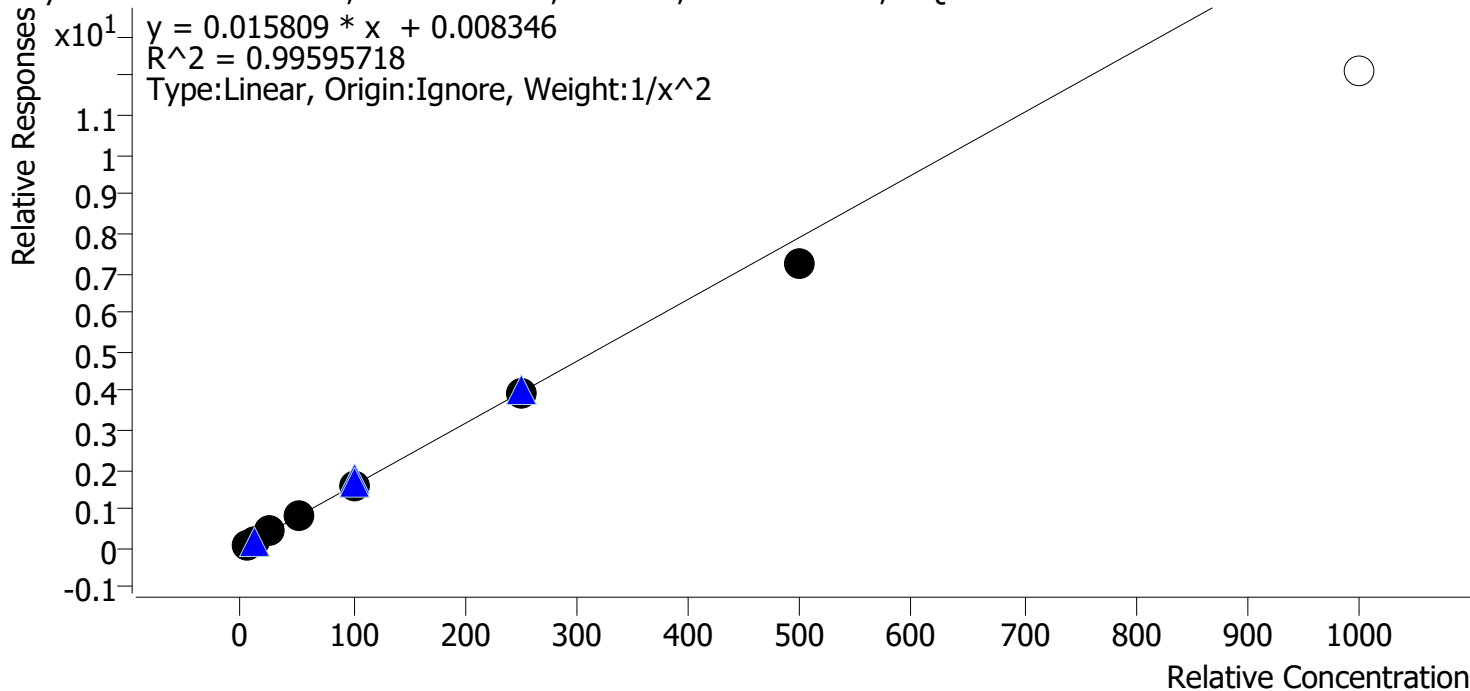
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	456.7	91.3
p1 Cal 8-1000ng	8	x	1000.0	764.8	76.5

Cal 8 dropped due to accuracy

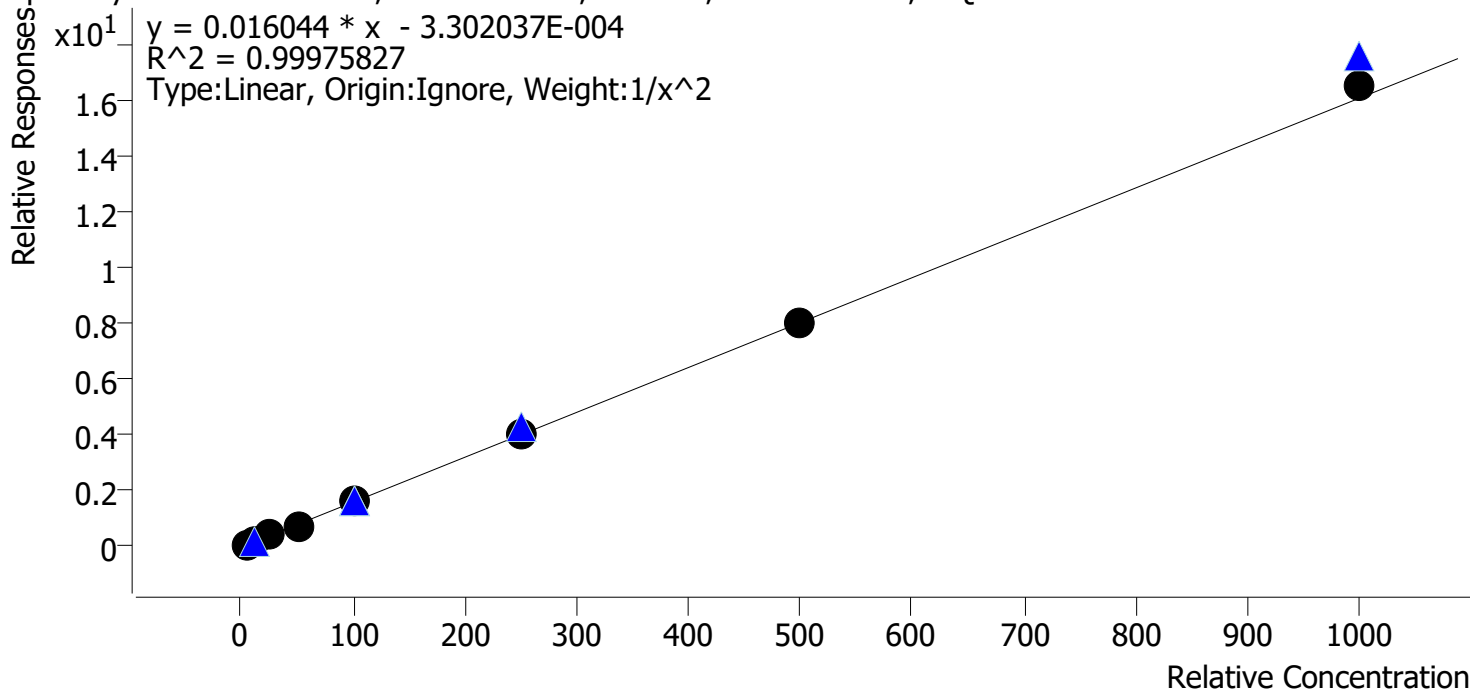
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1024.8	102.5

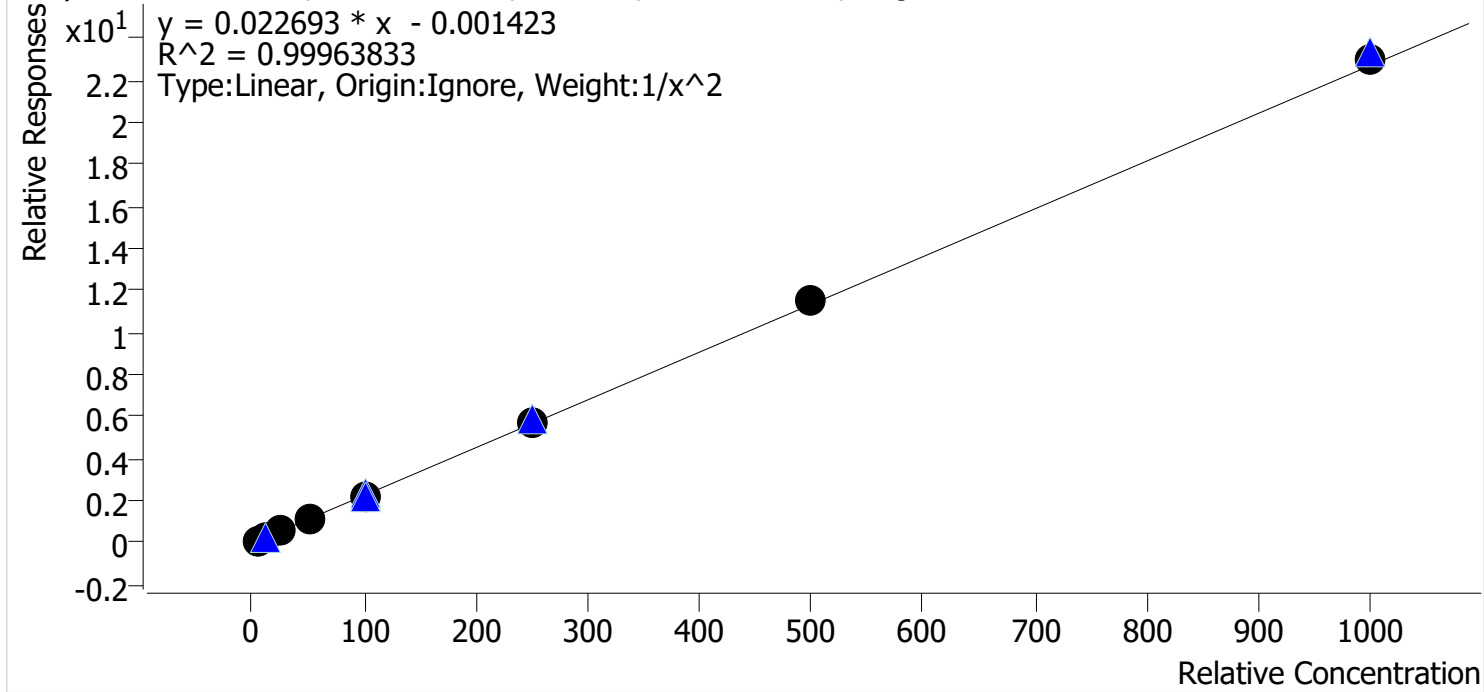
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	253.4	101.3
p1 Cal 7-500ng	7	✓	500.0	511.5	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1010.9	101.1

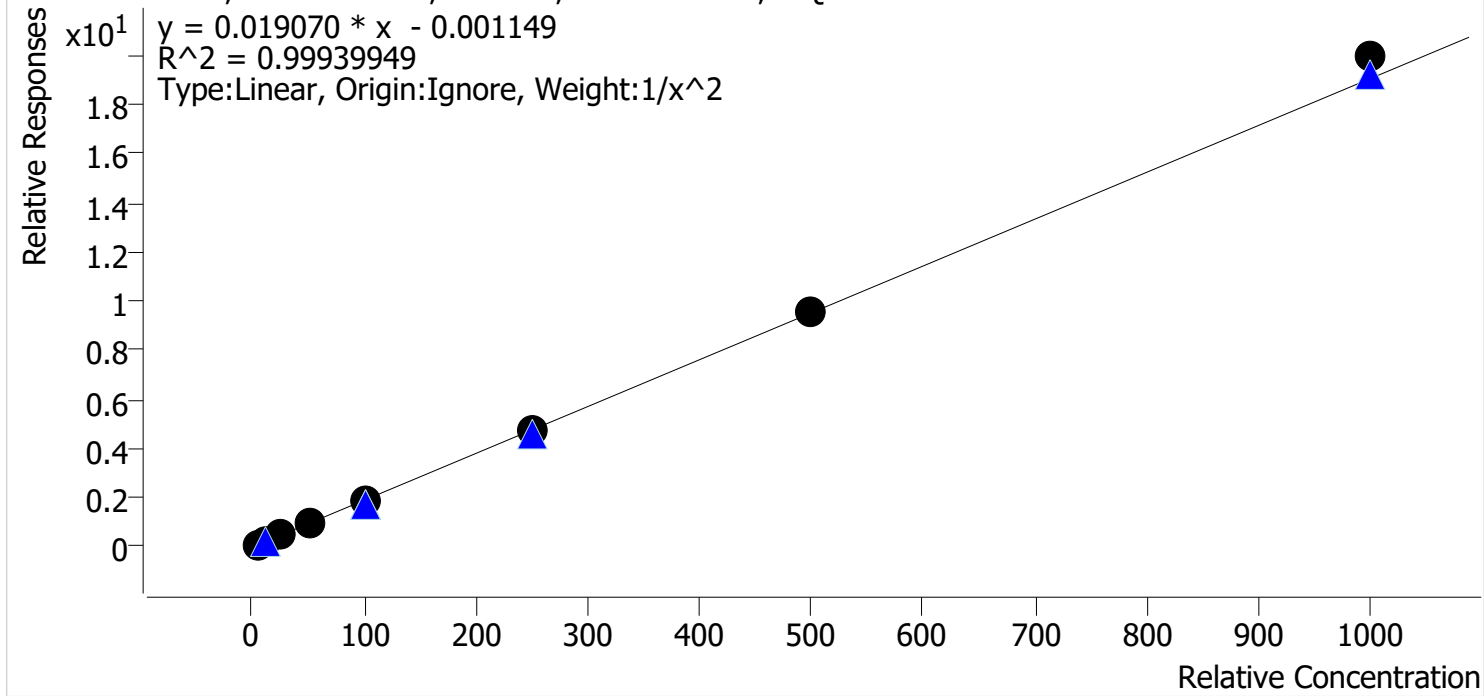
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	499.4	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1047.1	104.7

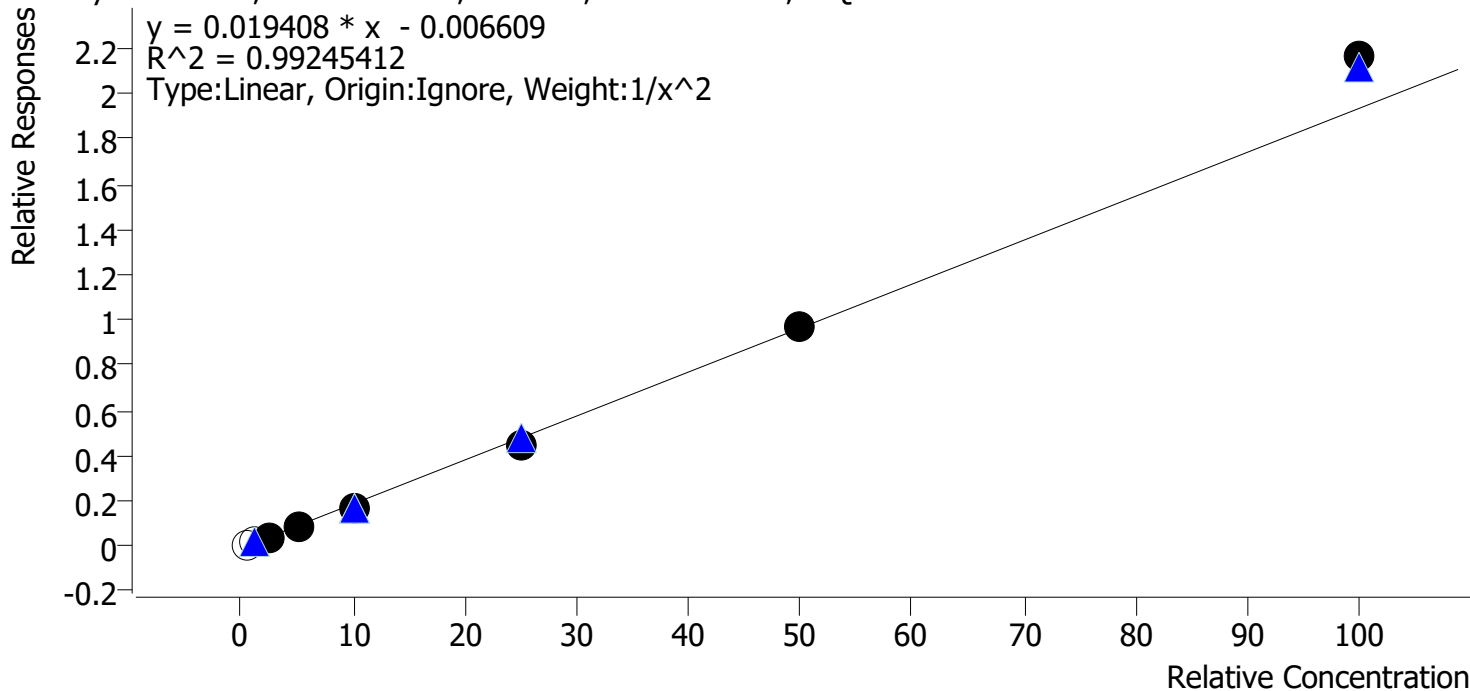
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.7	141.5
p1 Cal 2-10ng	2	x	1.0	1.2	120.2
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.5
p1 Cal 4-50ng	4	✓	5.0	4.9	98.8
p1 Cal 5-100ng	5	✓	10.0	9.4	94.1
p1 Cal 6-250ng	6	✓	25.0	23.0	92.2
p1 Cal 7-500ng	7	✓	50.0	50.3	100.7
p1 Cal 8-1000ng	8	✓	100.0	111.8	111.8

Cal 1 and 2 dropped due to ratio and S/N



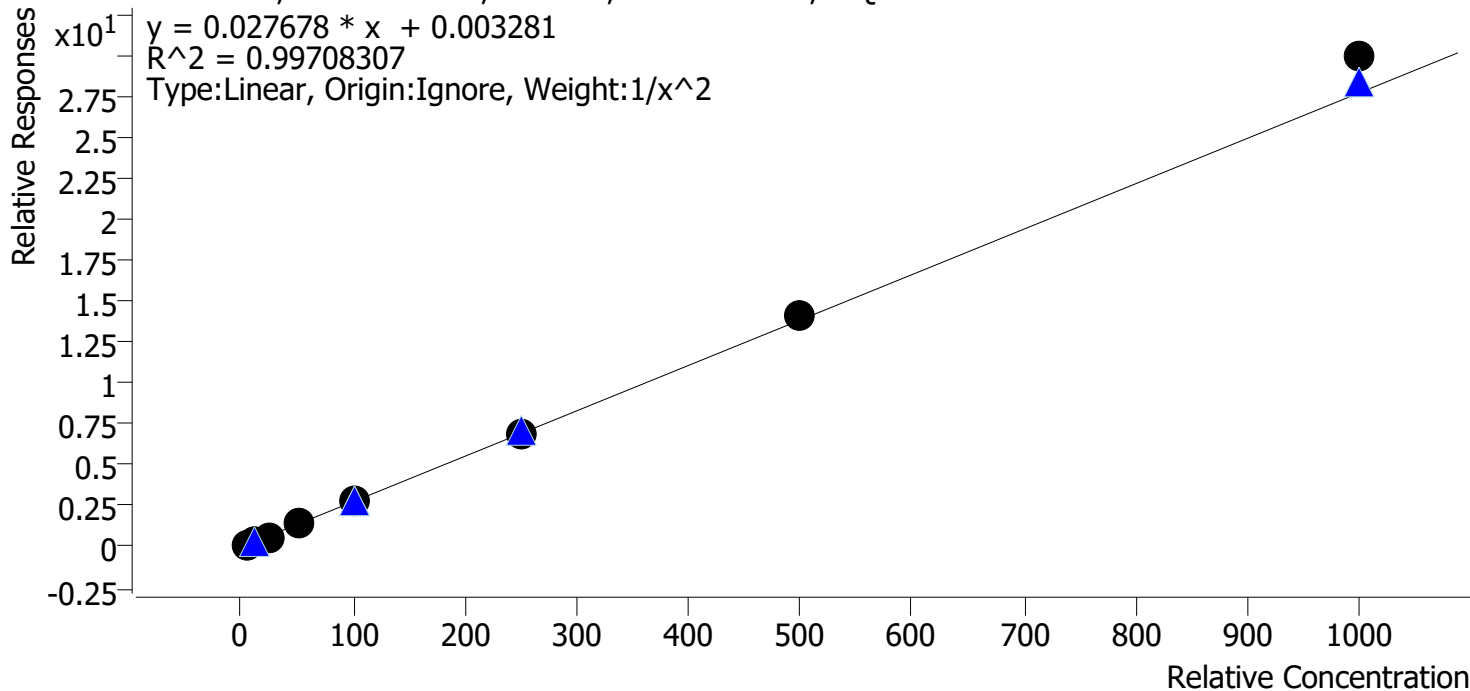
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2-10ng	2	✓	10.0	9.3	93.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	48.9	97.7
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	506.3	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1080.0	108.0

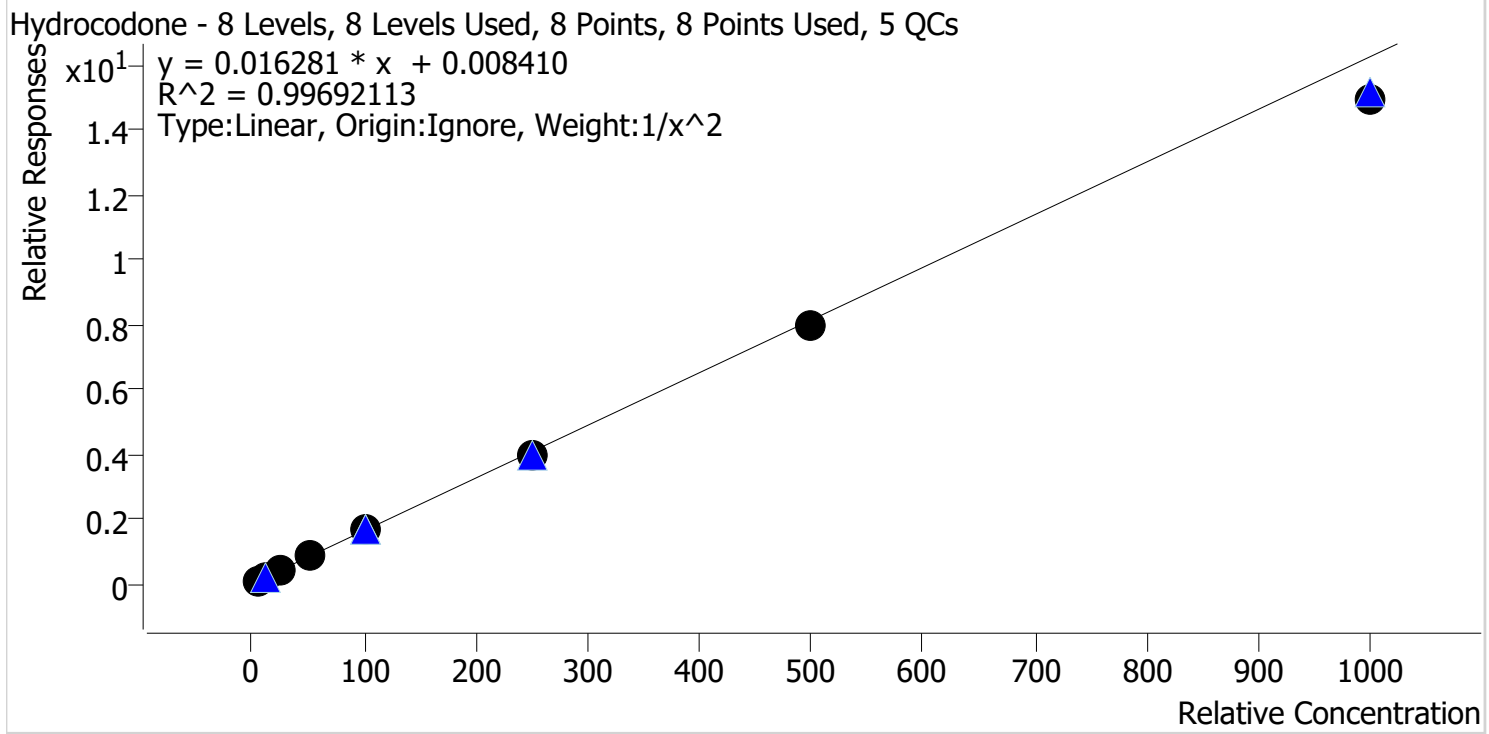
Qualitative only due to QC accuracy

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



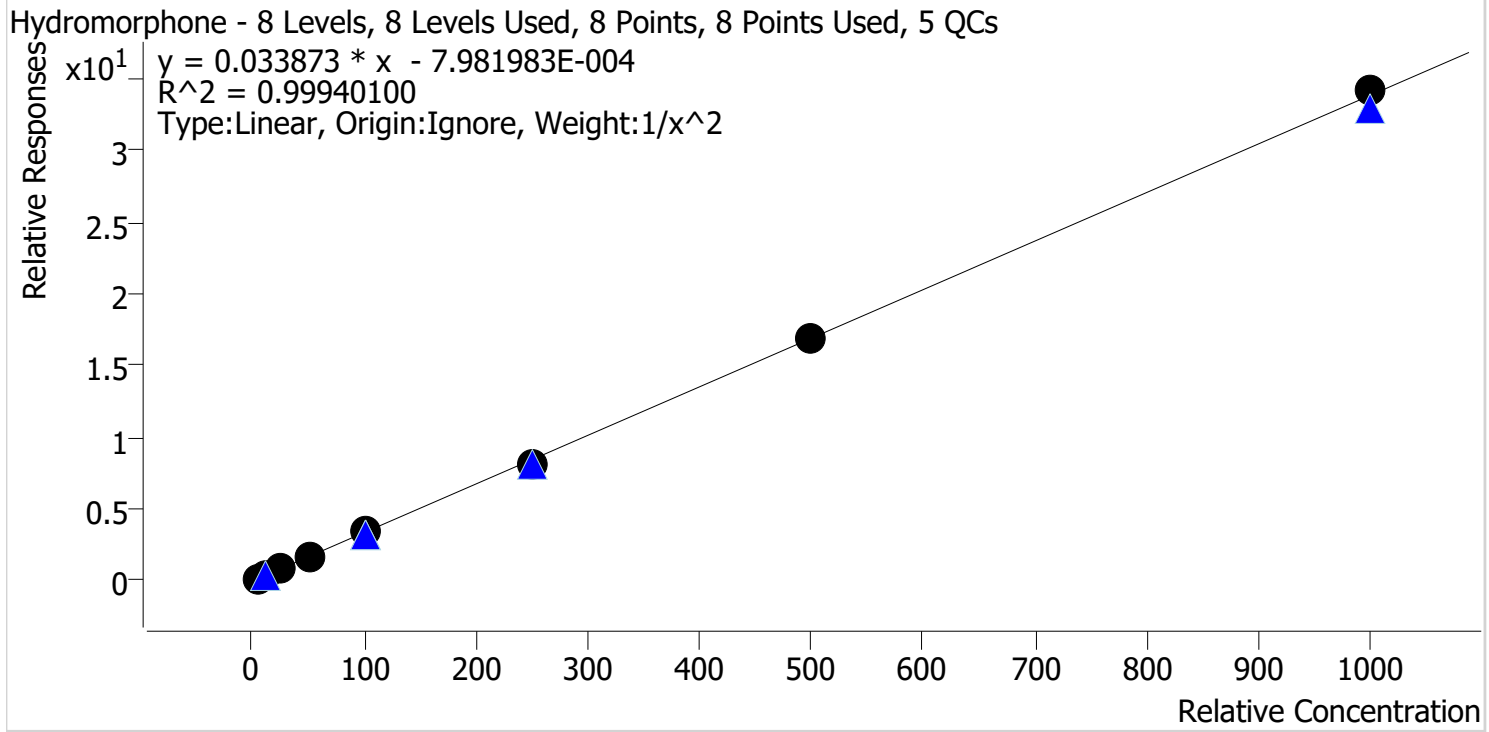
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	486.4	97.3
p1 Cal 8-1000ng	8	✓	1000.0	916.1	91.6

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6



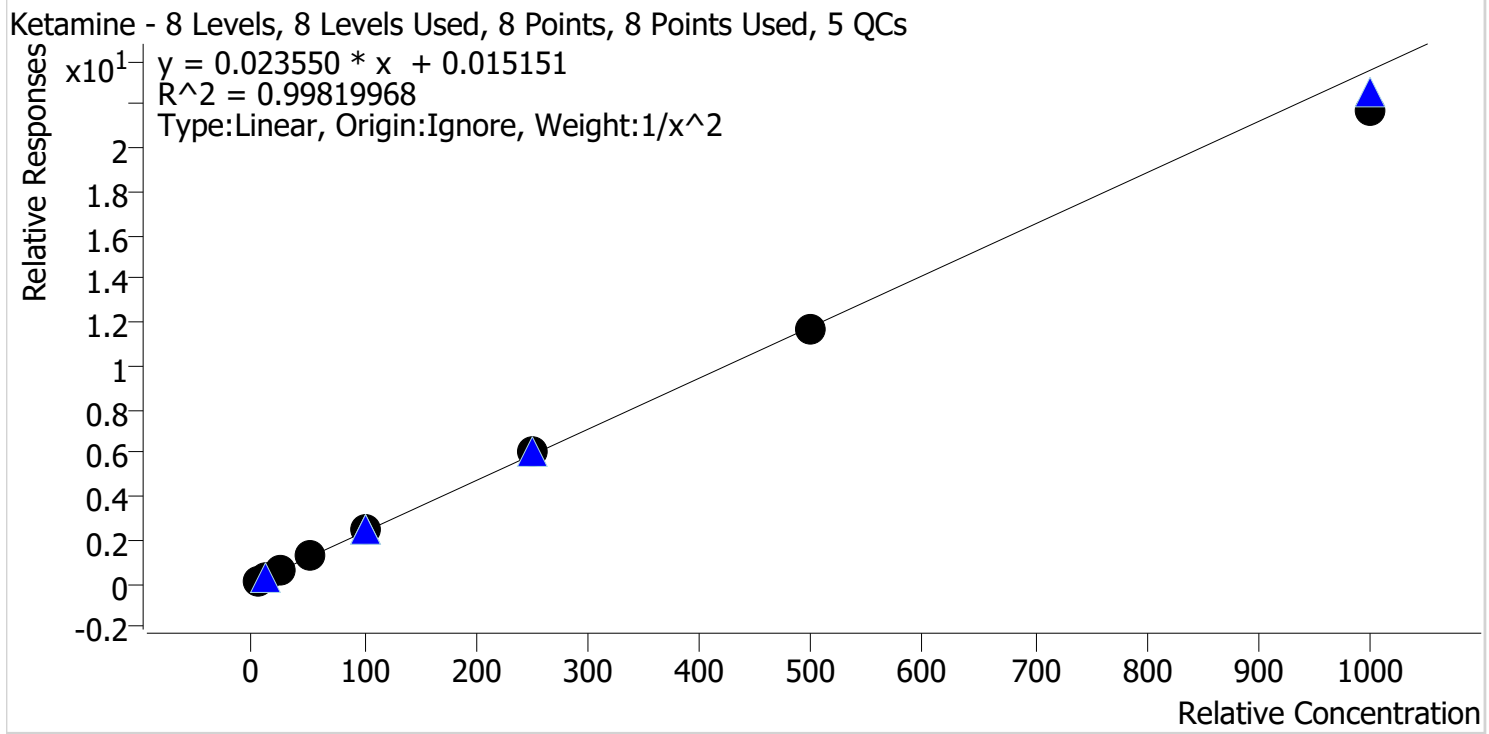
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	243.3	97.3
p1 Cal 7-500ng	7	✓	500.0	503.4	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1009.9	101.0

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



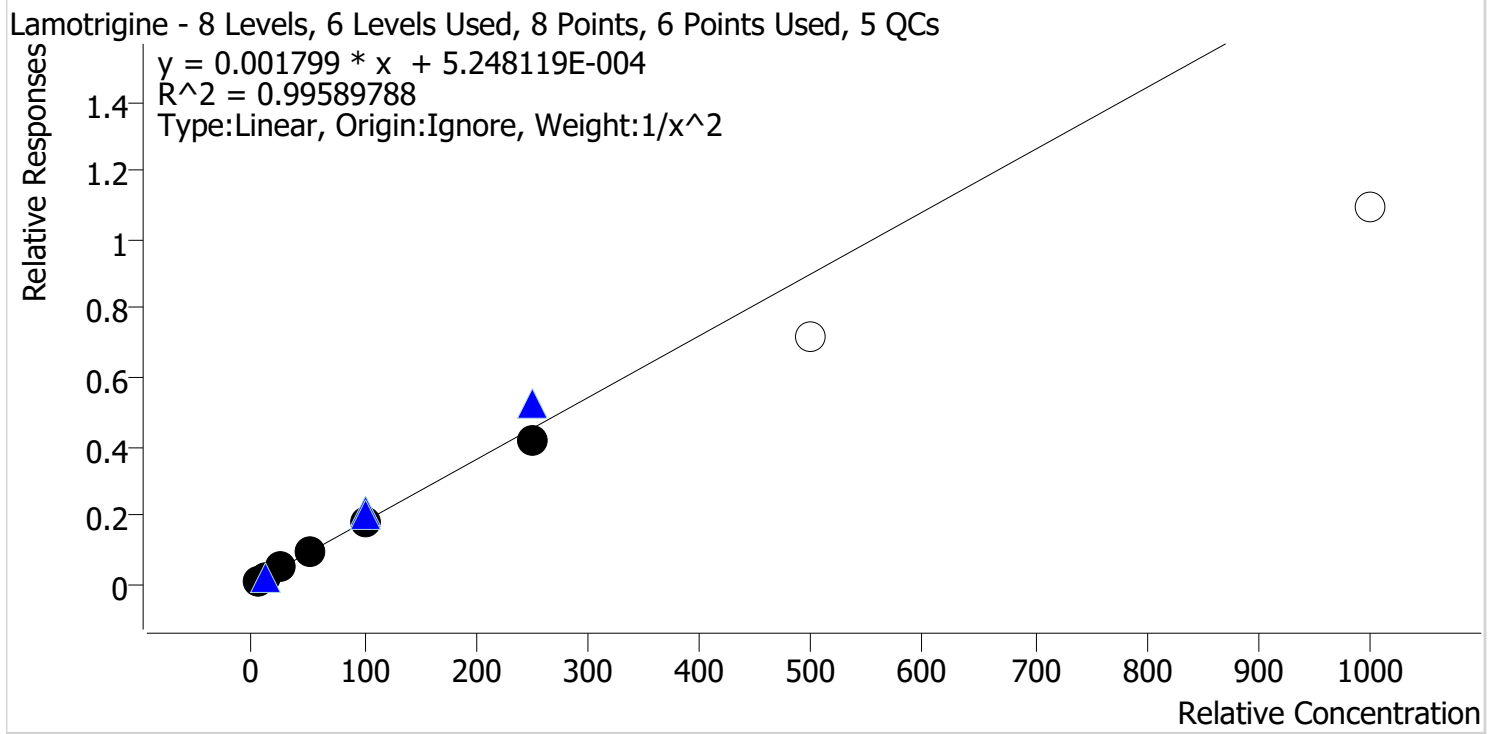
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	51.4	102.9
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	491.9	98.4
p1 Cal 8-1000ng	8	✓	1000.0	920.5	92.0

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



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	10.5	105.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	52.5	104.9
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	228.3	91.3
p1 Cal 7-500ng	7	x	500.0	401.2	80.2
p1 Cal 8-1000ng	8	x	1000.0	608.8	60.9

Cal 7 and 8 dropped due to accuracy

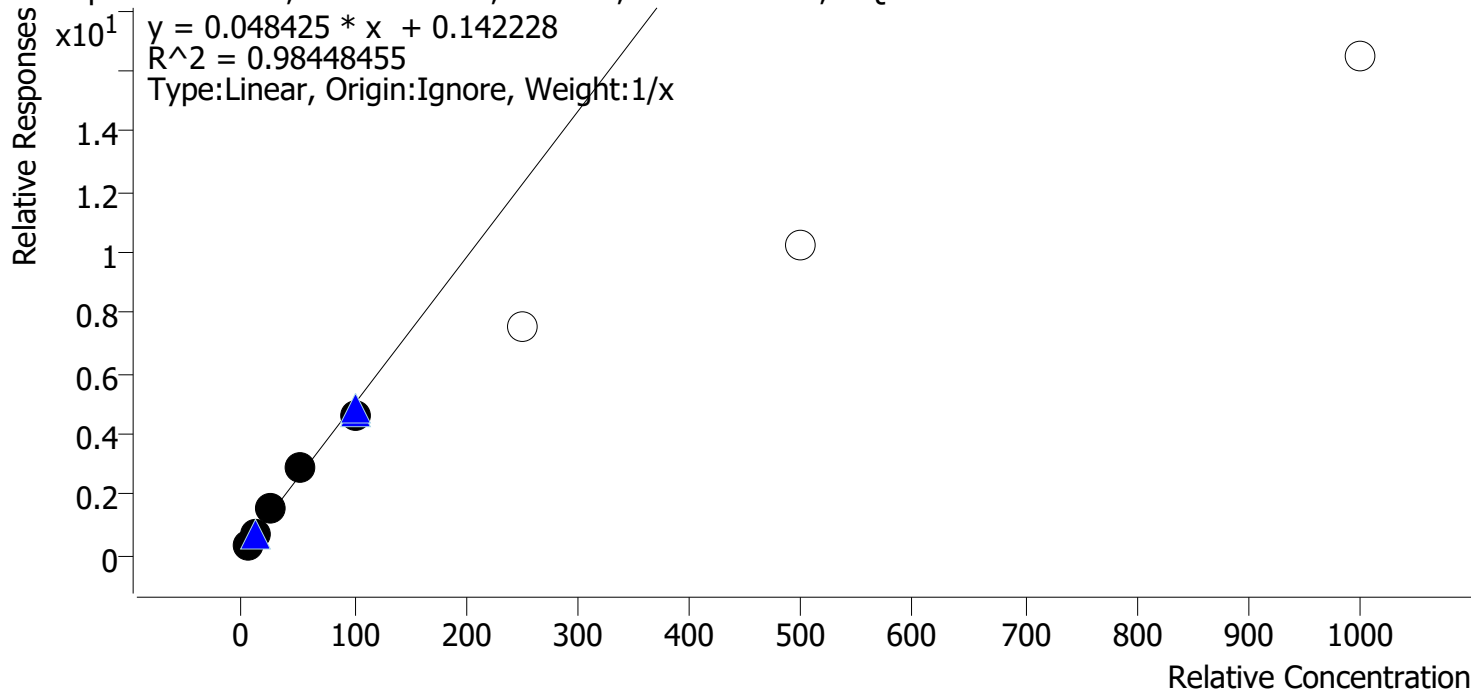
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.1	81.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	28.2	112.7
p1 Cal 4-50ng	4	✓	50.0	55.7	111.5
p1 Cal 5-100ng	5	✓	100.0	91.7	91.7
p1 Cal 6-250ng	6	✗	250.0	153.9	61.6
p1 Cal 7-500ng	7	✗	500.0	210.0	42.0
p1 Cal 8-1000ng	8	✗	1000.0	337.5	33.8

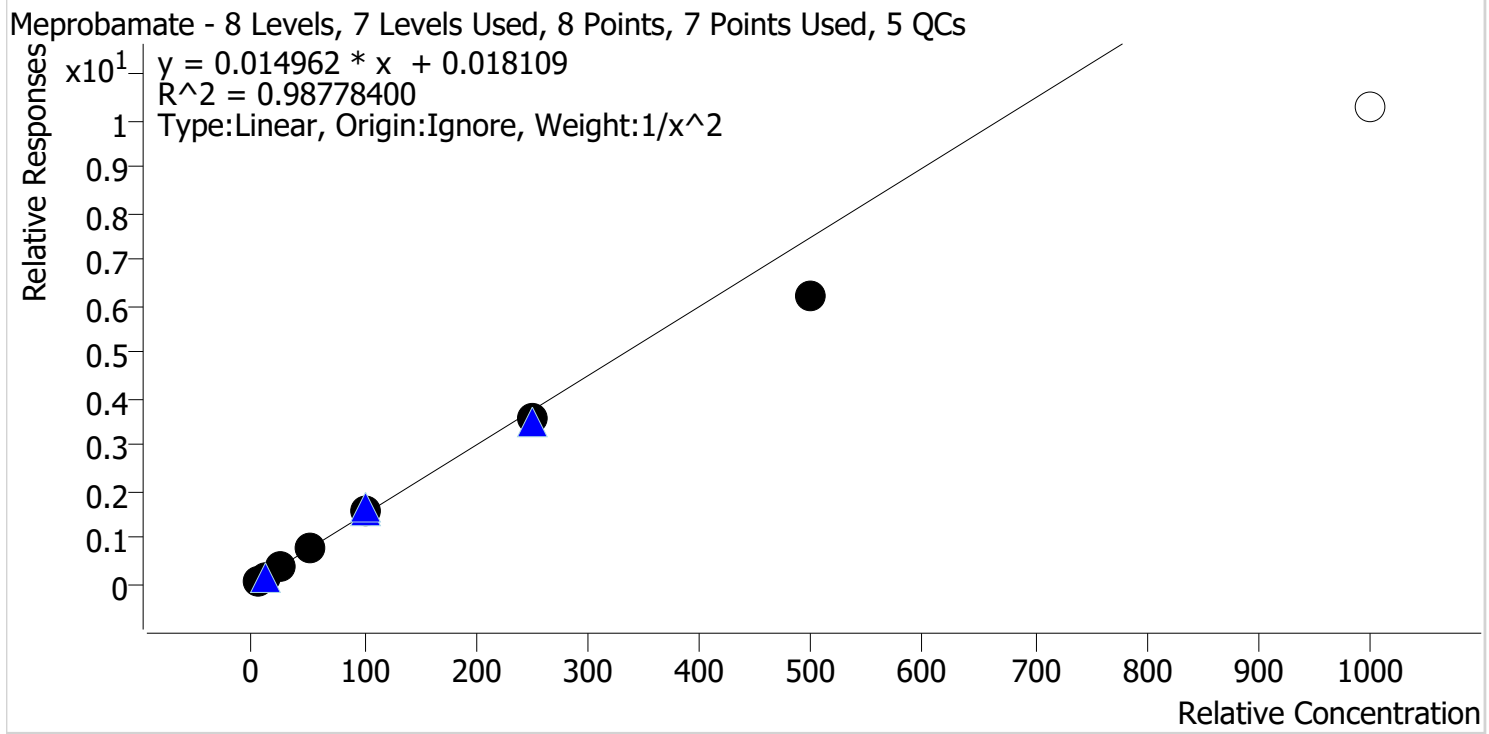
Cal 6, 7, and 8 dropped due to accuracy

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



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	10.5	104.9
p1 Cal 3 -25ng	3	✓	25.0	27.2	109.0
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	237.6	95.0
p1 Cal 7-500ng	7	✓	500.0	414.8	83.0
p1 Cal 8-1000ng	8	✗	1000.0	685.3	68.5

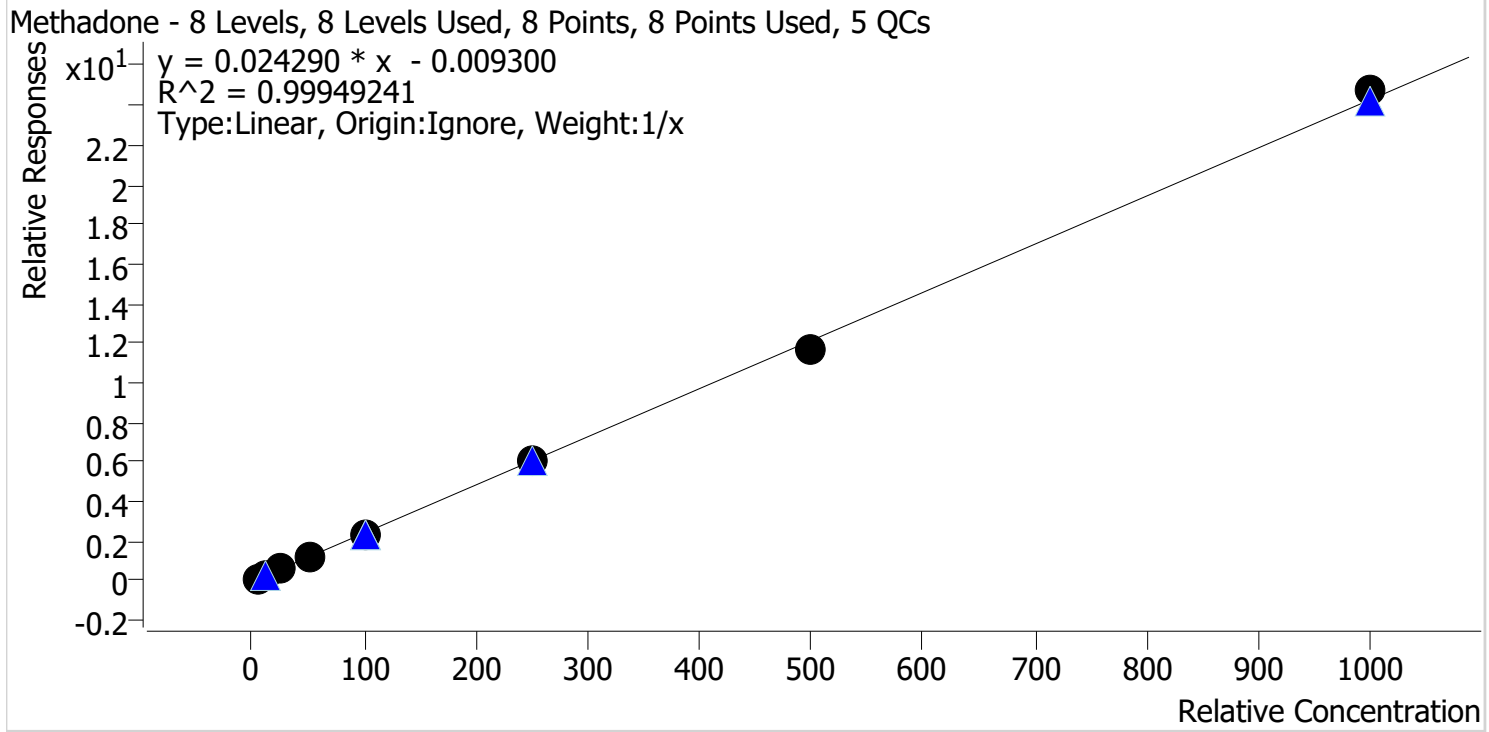
Cal 8 dropped due to accuracy

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Methadone **Internal Standard** Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.1
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	49.5	98.9
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	247.9	99.1
p1 Cal 7-500ng	7	✓	500.0	485.0	97.0
p1 Cal 8-1000ng	8	✓	1000.0	1019.0	101.9

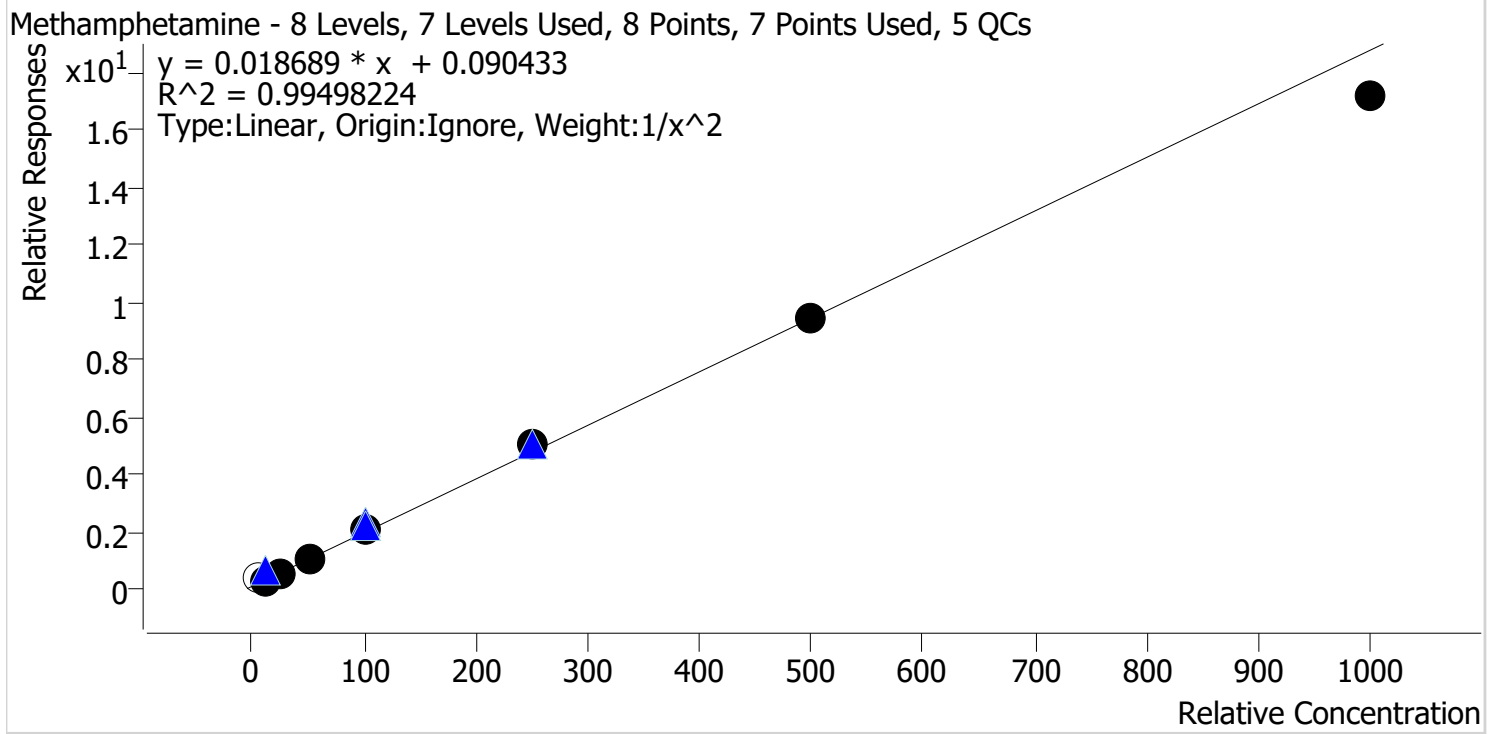


AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	17.8	356.7
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.6
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	263.2	105.3
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	917.0	91.7

Cal 1 dropped due to accuracy  
Qualitative only

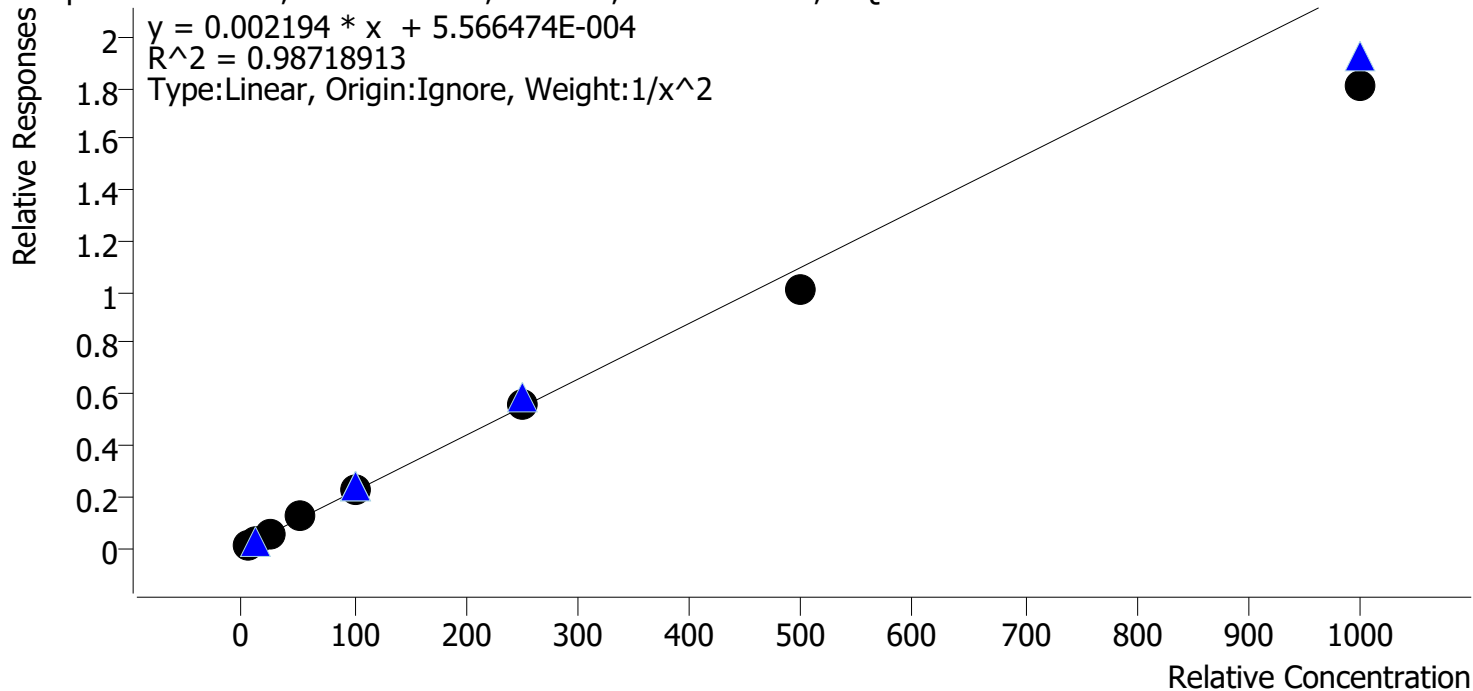
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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



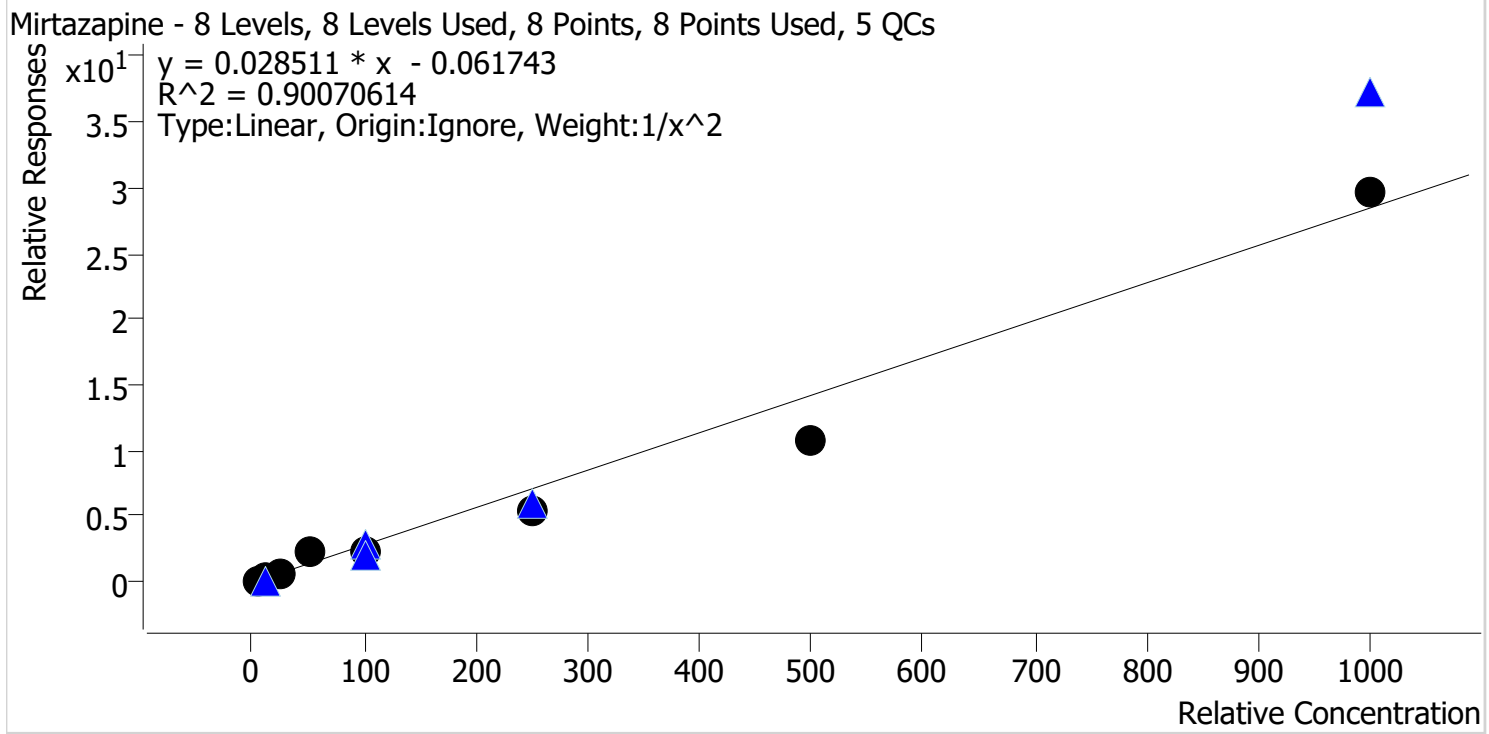
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	58.1	116.3
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	463.2	92.6
p1 Cal 8-1000ng	8	✓	1000.0	826.3	82.6

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	9.0	90.2
p1 Cal 3 -25ng	3	✓	25.0	27.2	109.0
p1 Cal 4-50ng	4	✓	50.0	82.1	164.3
p1 Cal 5-100ng	5	✓	100.0	82.2	82.2
p1 Cal 6-250ng	6	✓	250.0	188.4	75.4
p1 Cal 7-500ng	7	✓	500.0	381.8	76.4
p1 Cal 8-1000ng	8	✓	1000.0	1042.6	104.3

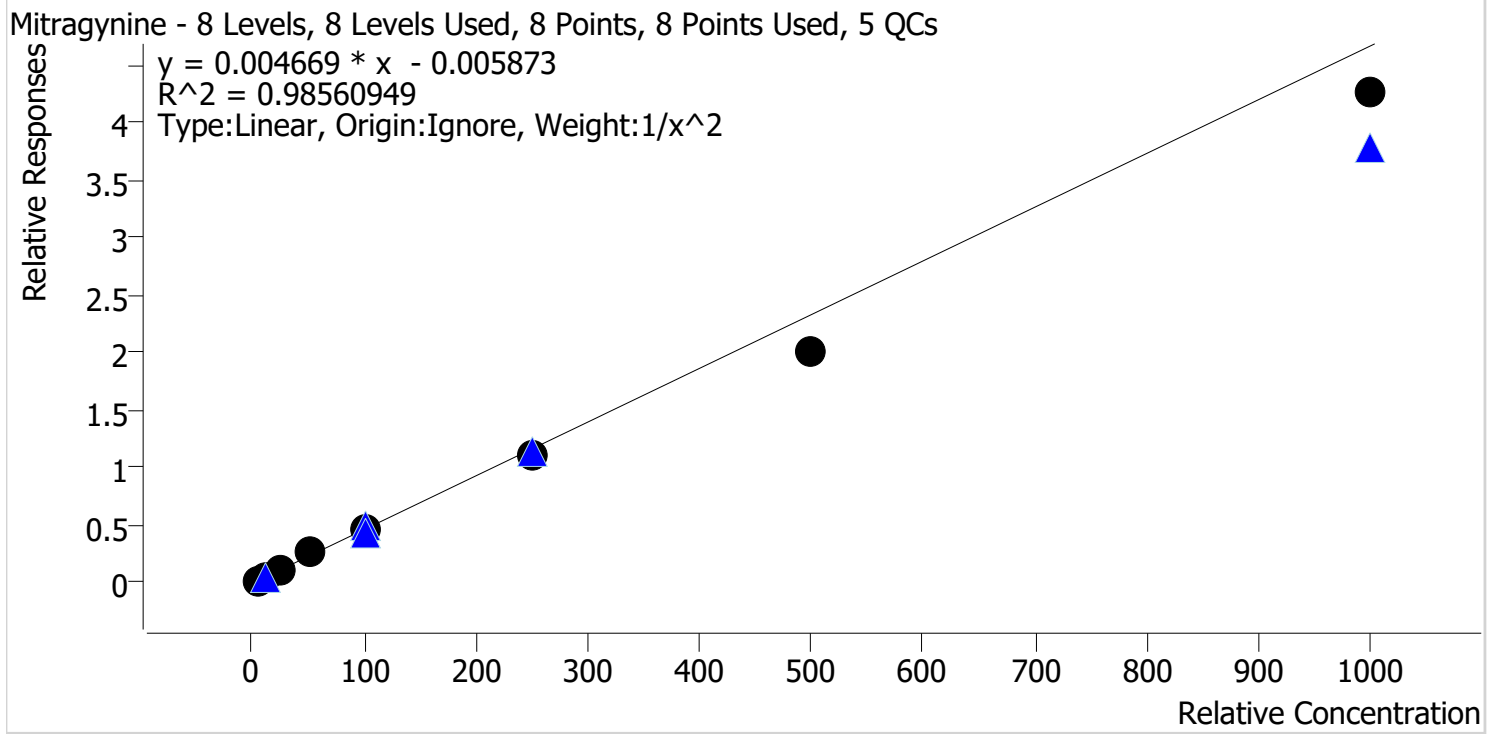
Compound not evaluated due to accuracy of calibrators

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



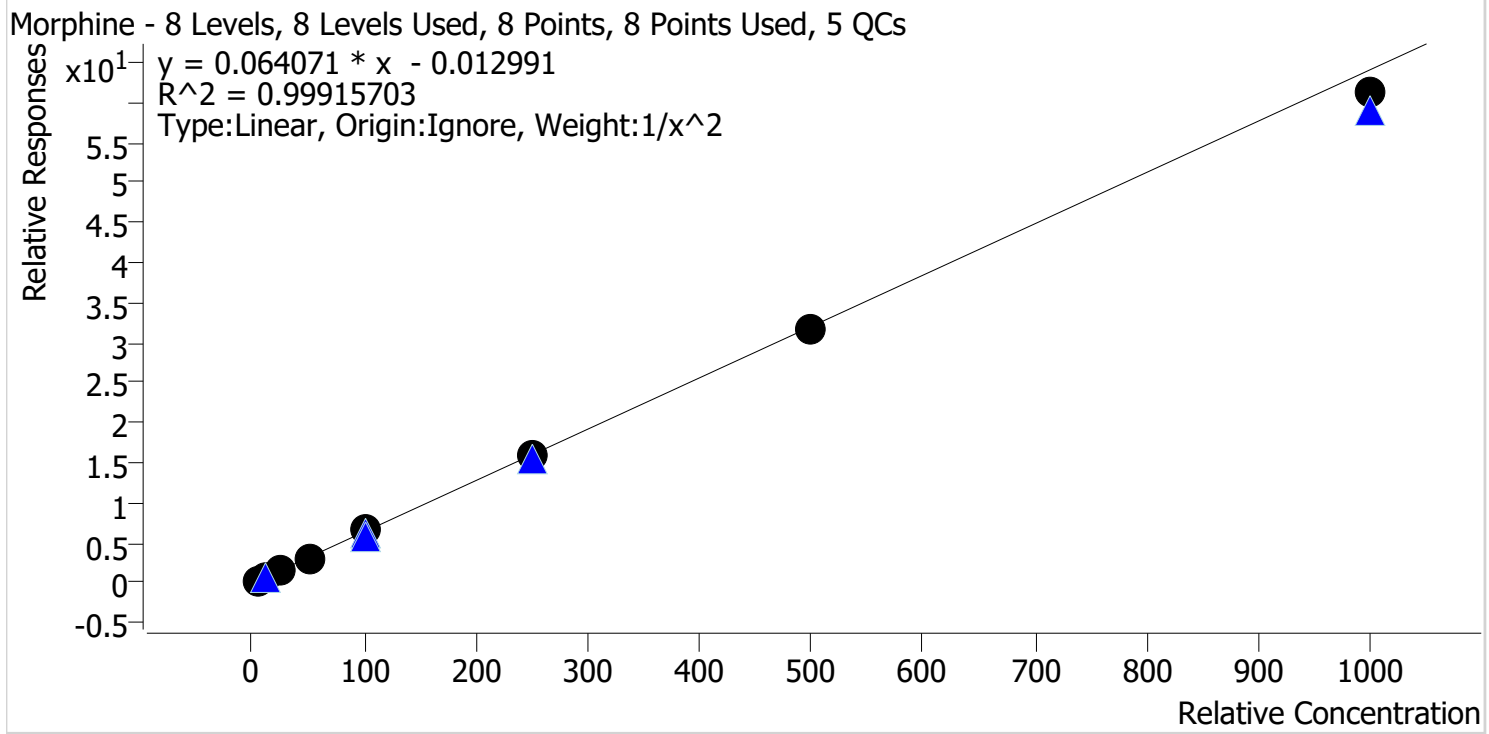
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.7
p1 Cal 4-50ng	4	✓	50.0	59.6	119.2
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	240.3	96.1
p1 Cal 7-500ng	7	✓	500.0	429.9	86.0
p1 Cal 8-1000ng	8	✓	1000.0	913.3	91.3

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**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	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	497.6	99.5
p1 Cal 8-1000ng	8	✓	1000.0	955.5	95.5

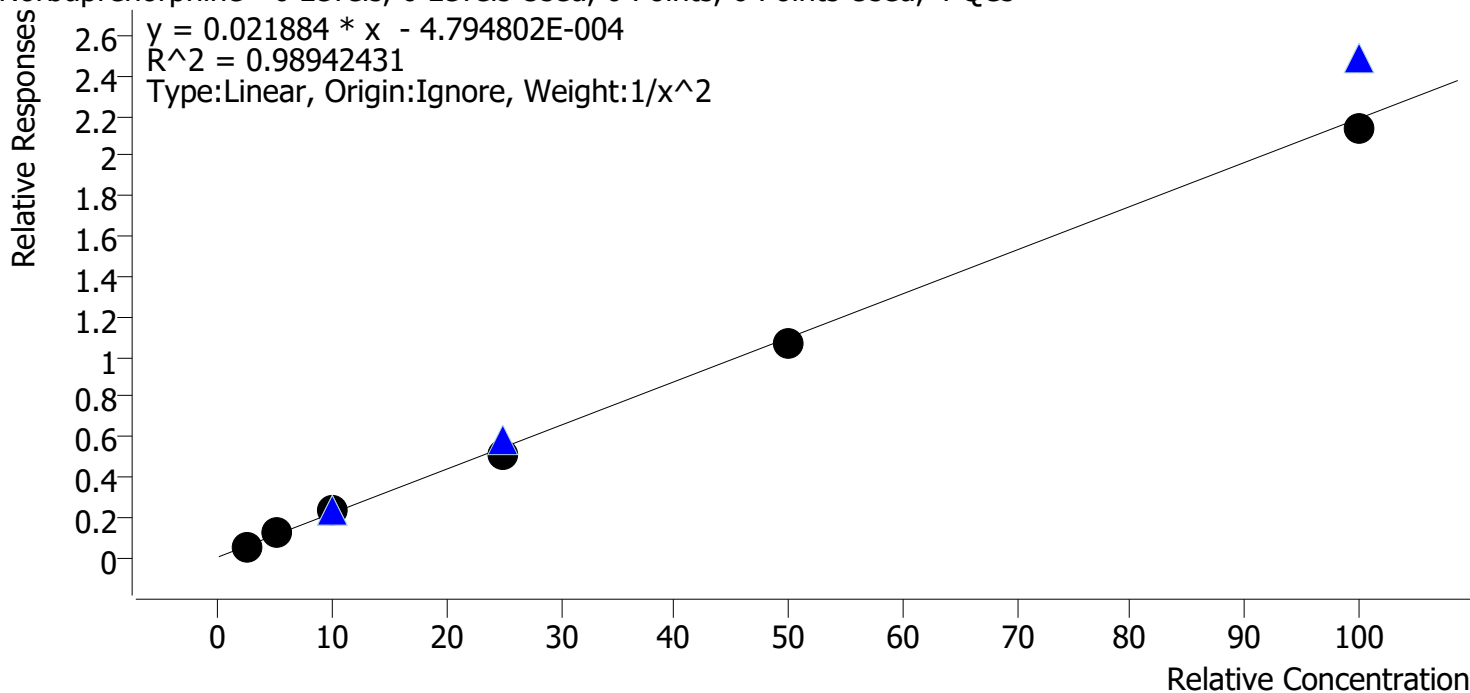
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.5
p1 Cal 4-50ng	4	✓	5.0	5.7	113.9
p1 Cal 5-100ng	5	✓	10.0	10.6	105.8
p1 Cal 6-250ng	6	✓	25.0	23.4	93.4
p1 Cal 7-500ng	7	✓	50.0	48.3	96.6
p1 Cal 8-1000ng	8	✓	100.0	97.8	97.8

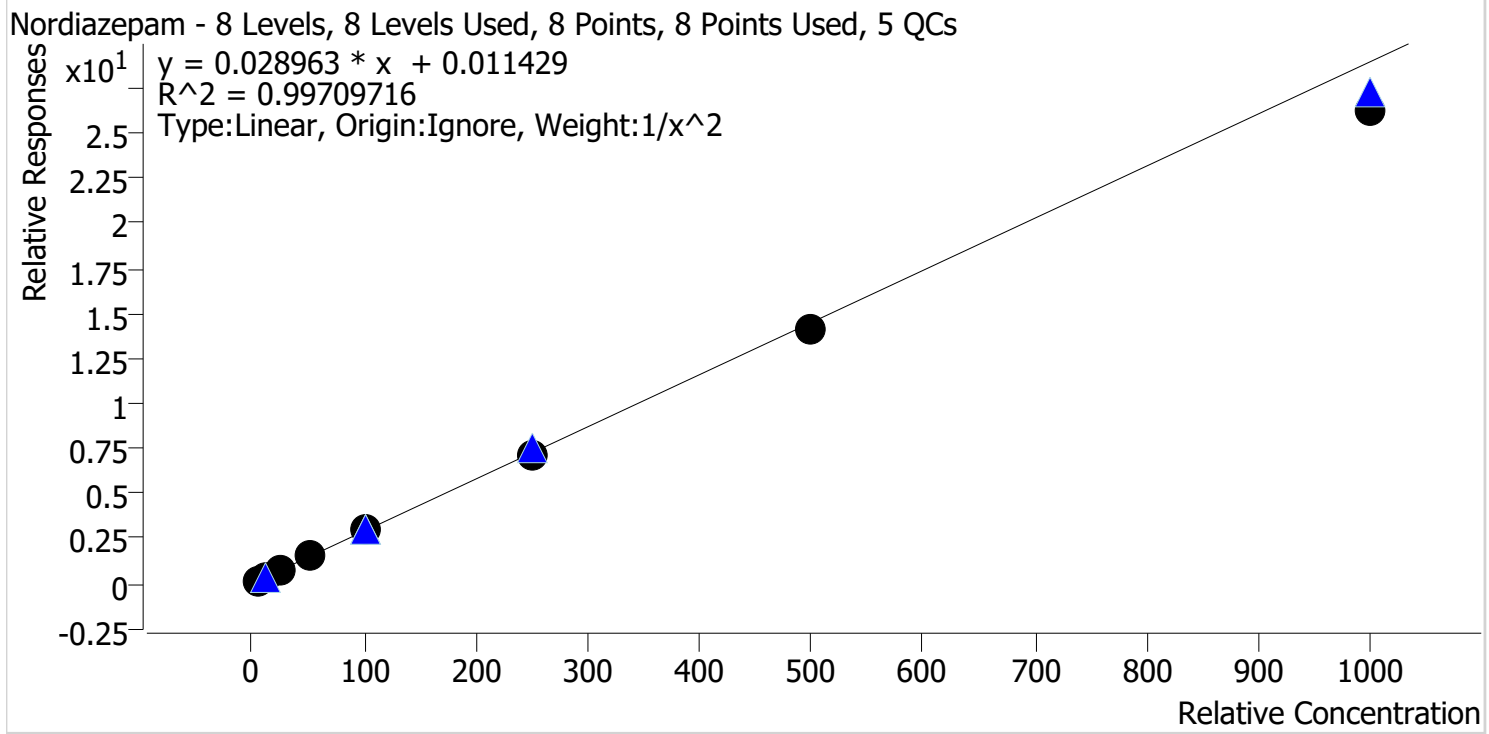
Cal 1 and 2 dropped due to S/N and ratio being out

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



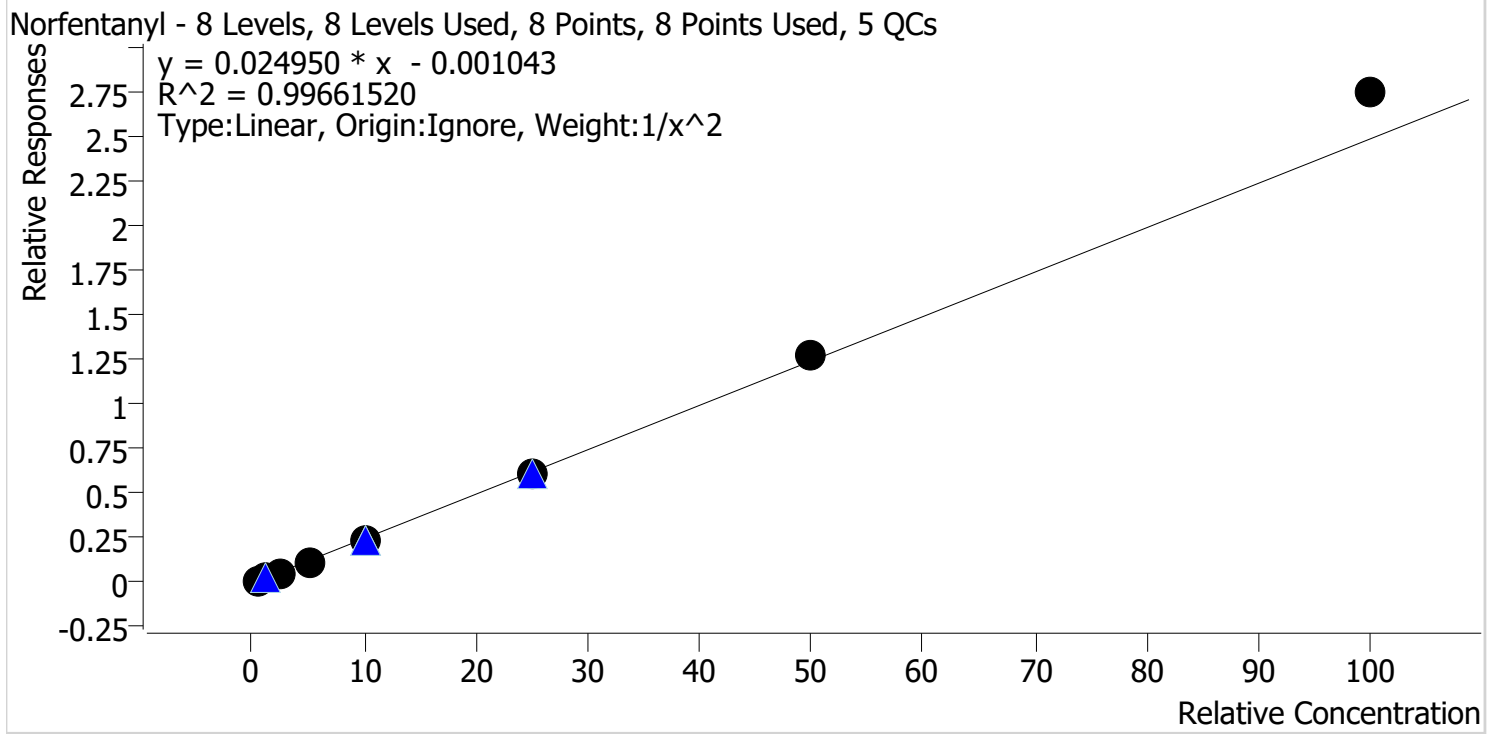
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	487.8	97.6
p1 Cal 8-1000ng	8	✓	1000.0	908.5	90.8

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Norfentanyl Internal Standard Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.3
p1 Cal 2-10ng	2	✓	1.0	1.0	97.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.2
p1 Cal 4-50ng	4	✓	5.0	4.8	96.9
p1 Cal 5-100ng	5	✓	10.0	9.6	95.6
p1 Cal 6-250ng	6	✓	25.0	24.4	97.5
p1 Cal 7-500ng	7	✓	50.0	51.6	103.2
p1 Cal 8-1000ng	8	✓	100.0	110.4	110.4



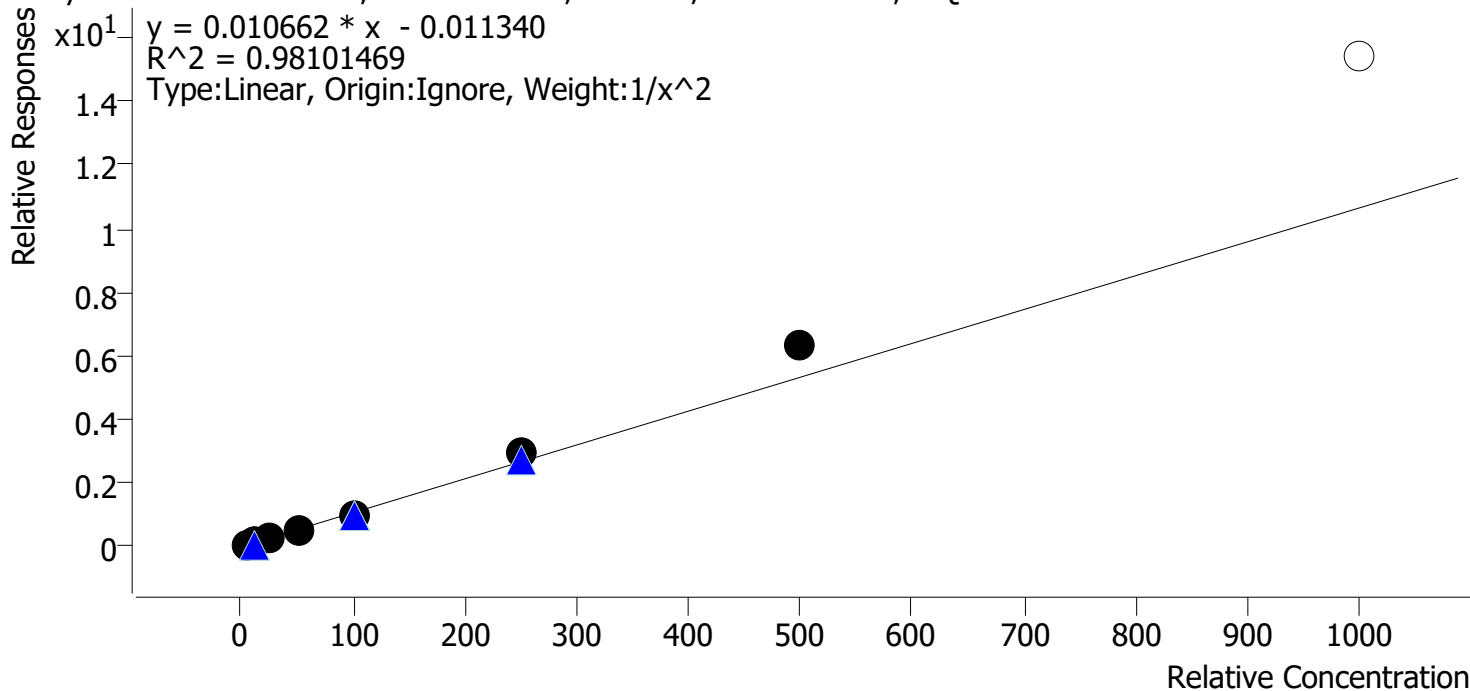
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.7
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	21.4	85.5
p1 Cal 4-50ng	4	✓	50.0	45.2	90.4
p1 Cal 5-100ng	5	✓	100.0	94.1	94.1
p1 Cal 6-250ng	6	✓	250.0	273.4	109.4
p1 Cal 7-500ng	7	✓	500.0	594.3	118.9
p1 Cal 8-1000ng	8	✗	1000.0	1447.3	144.7

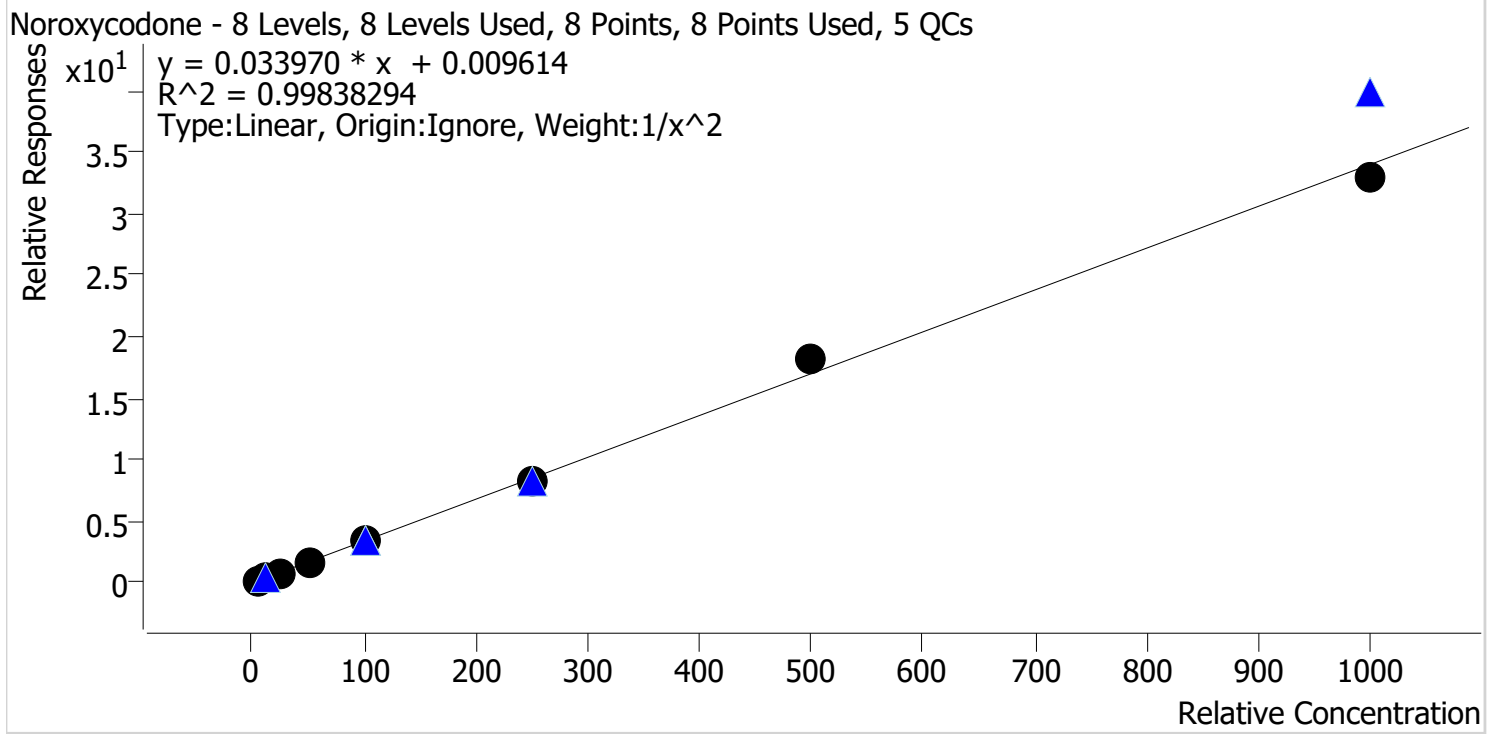
Cal 8 dropped due to accuracy

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	242.1	96.8
p1 Cal 7-500ng	7	✓	500.0	536.2	107.2
p1 Cal 8-1000ng	8	✓	1000.0	969.1	96.9

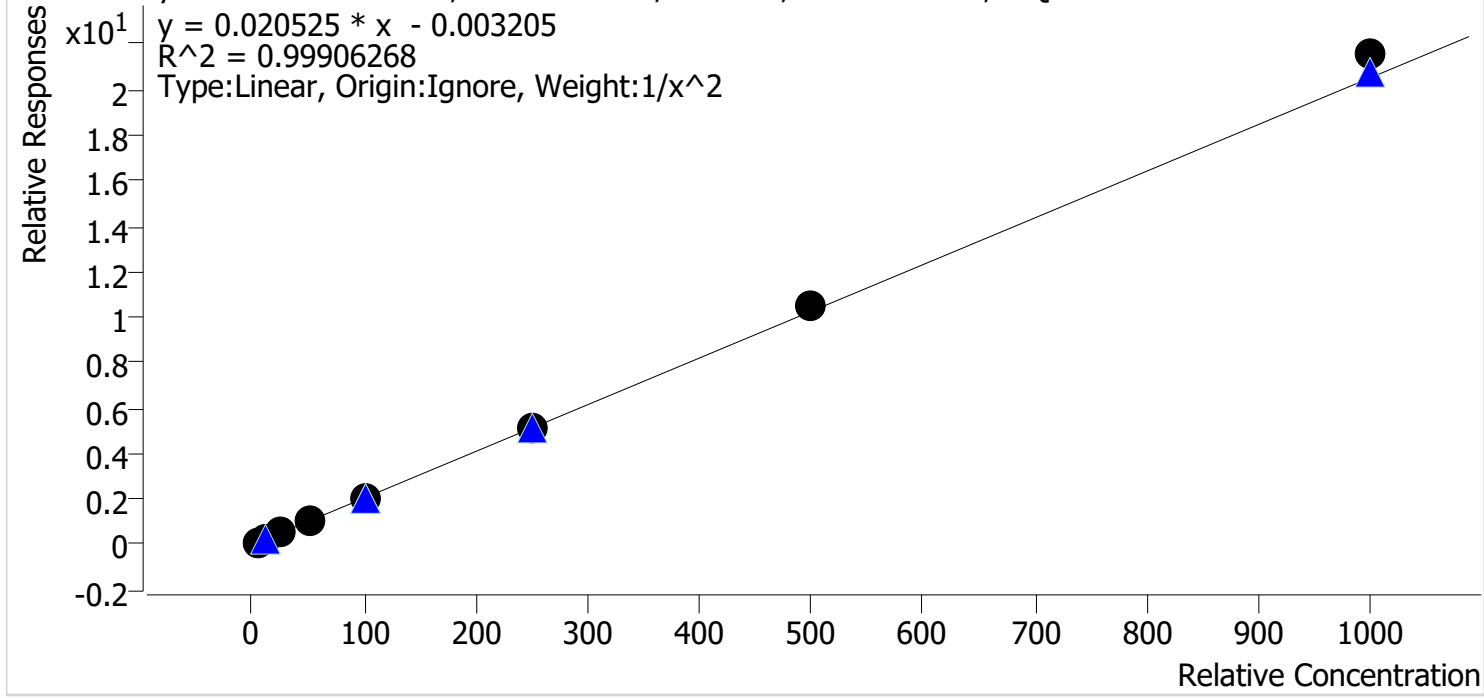
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.9	97.7
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	249.4	99.7
p1 Cal 7-500ng	7	✓	500.0	509.5	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1050.5	105.1

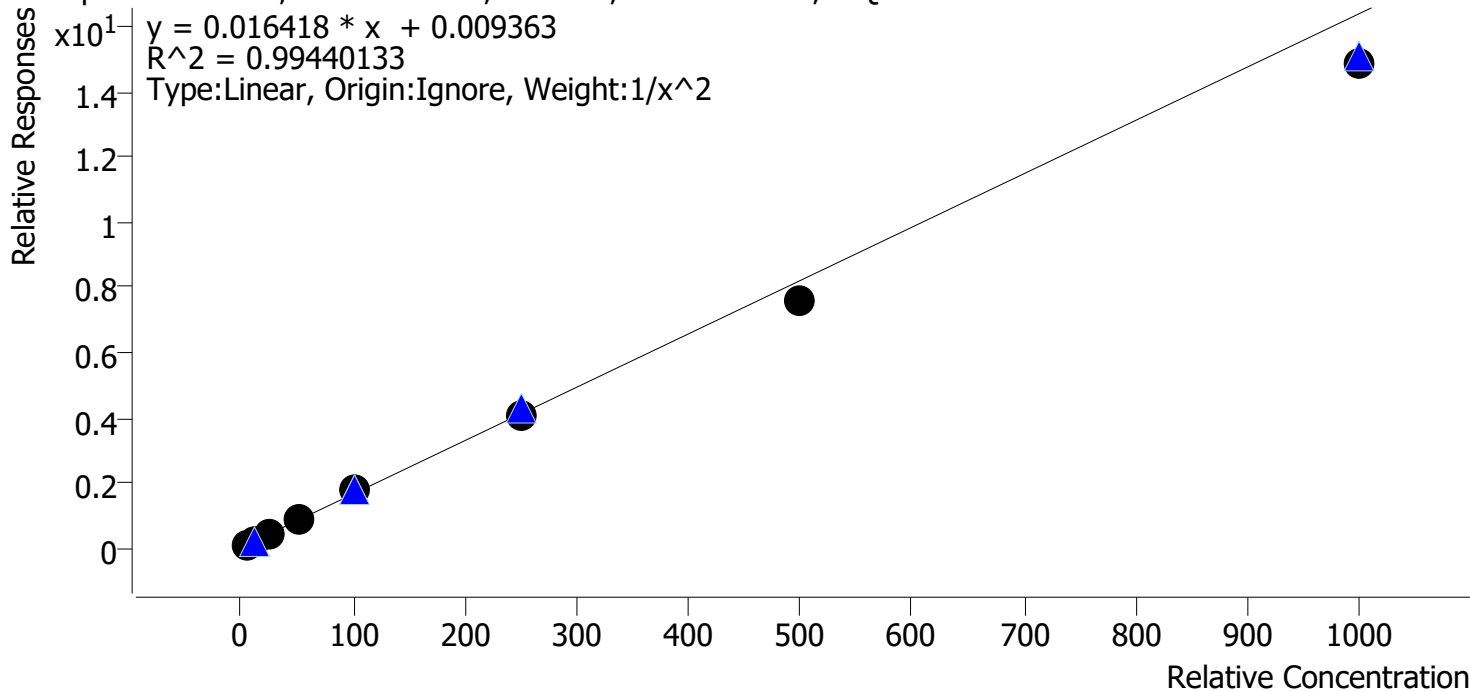
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	465.3	93.1
p1 Cal 8-1000ng	8	✓	1000.0	905.3	90.5

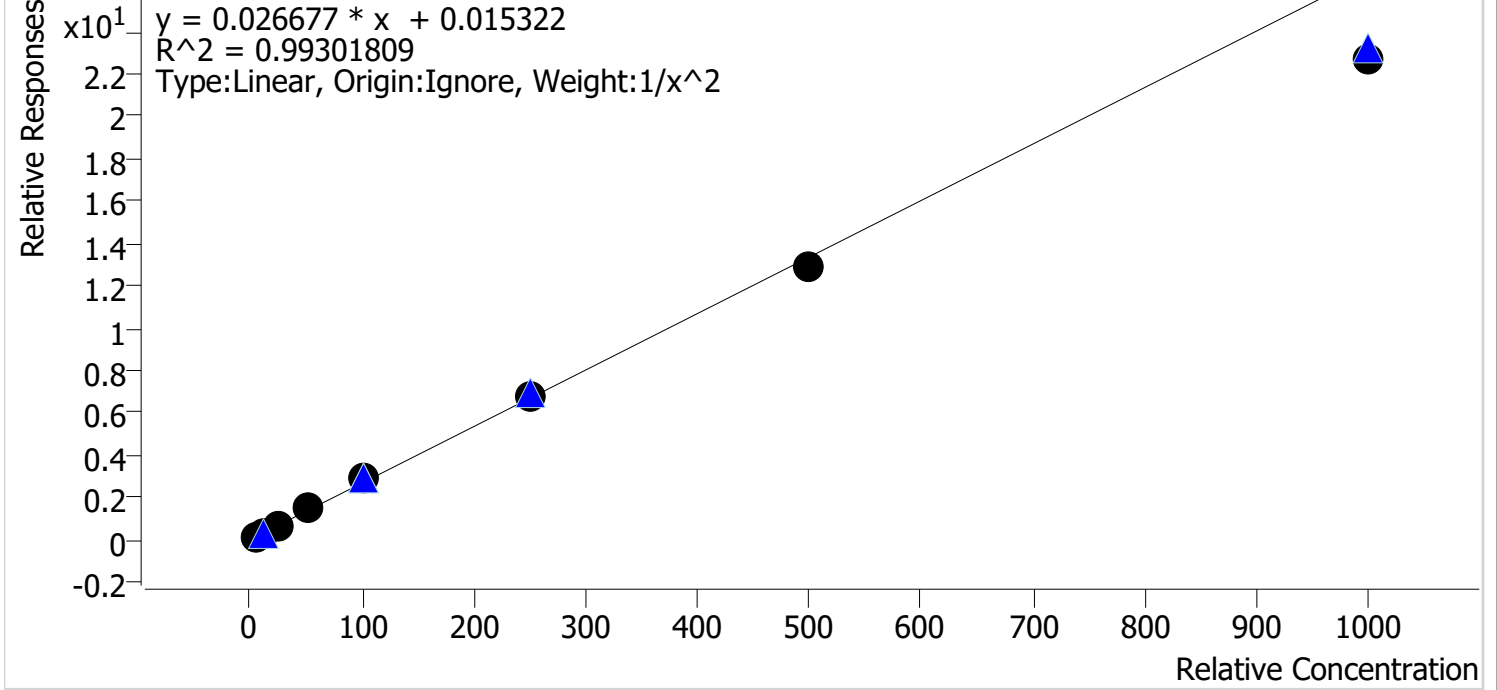
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	481.2	96.2
p1 Cal 8-1000ng	8	✓	1000.0	850.9	85.1

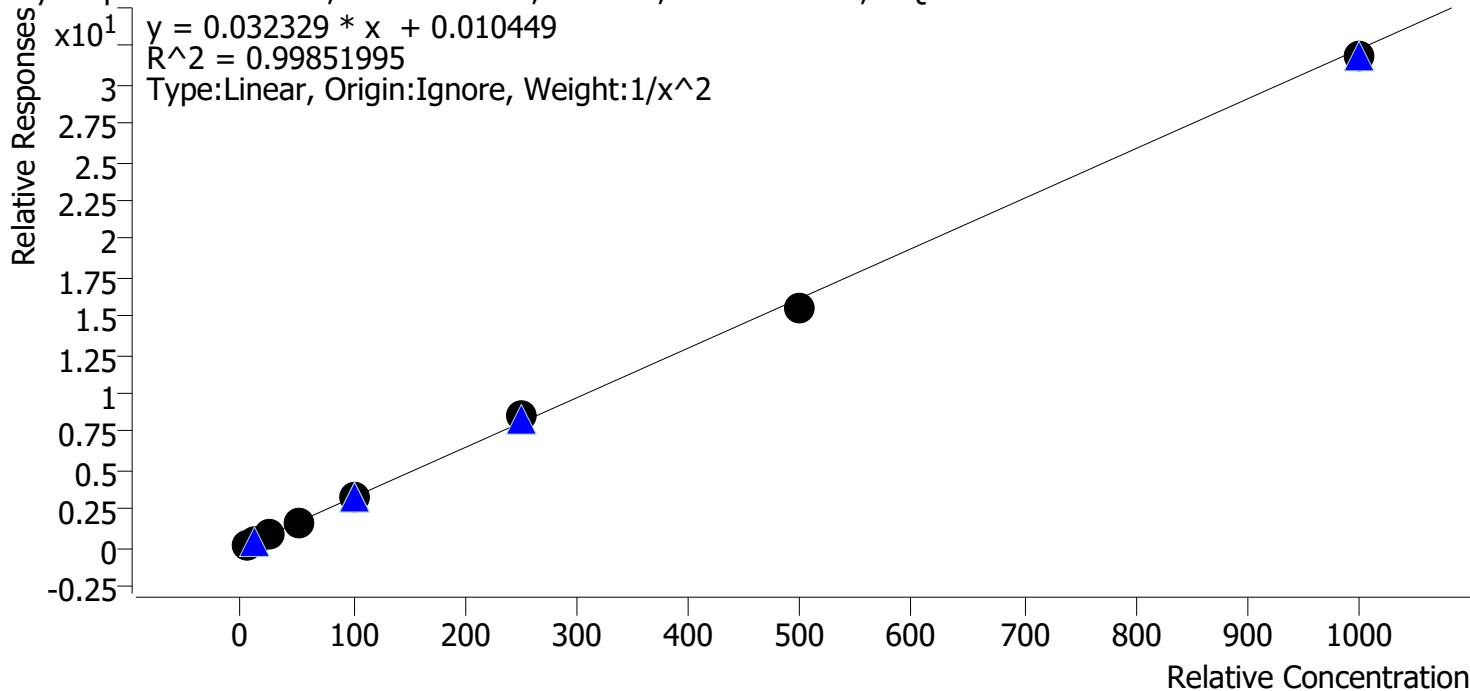
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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



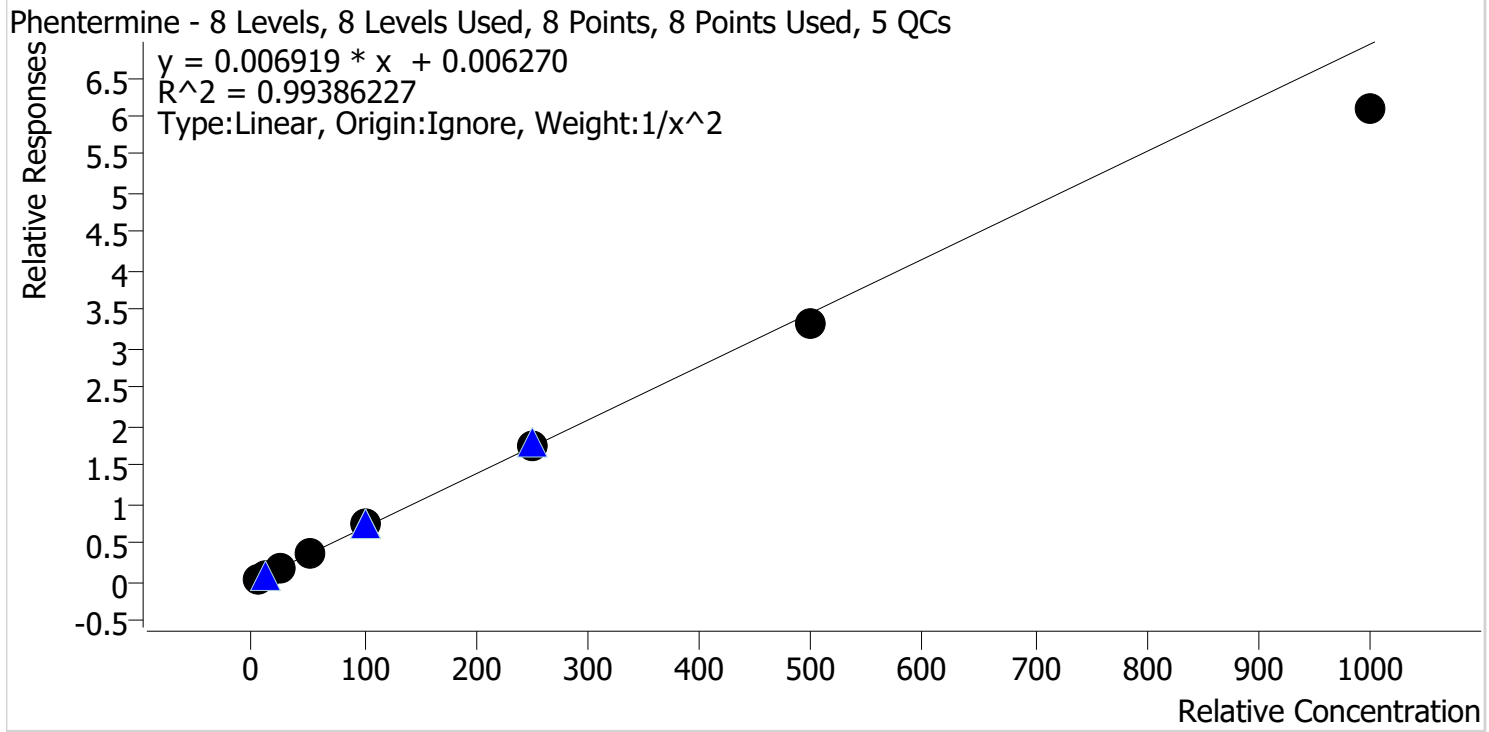
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	48.5	97.1
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	265.8	106.3
p1 Cal 7-500ng	7	✓	500.0	479.2	95.8
p1 Cal 8-1000ng	8	✓	1000.0	985.0	98.5

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2-10ng	2	✓	10.0	10.6	106.4
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	477.3	95.5
p1 Cal 8-1000ng	8	✓	1000.0	877.1	87.7

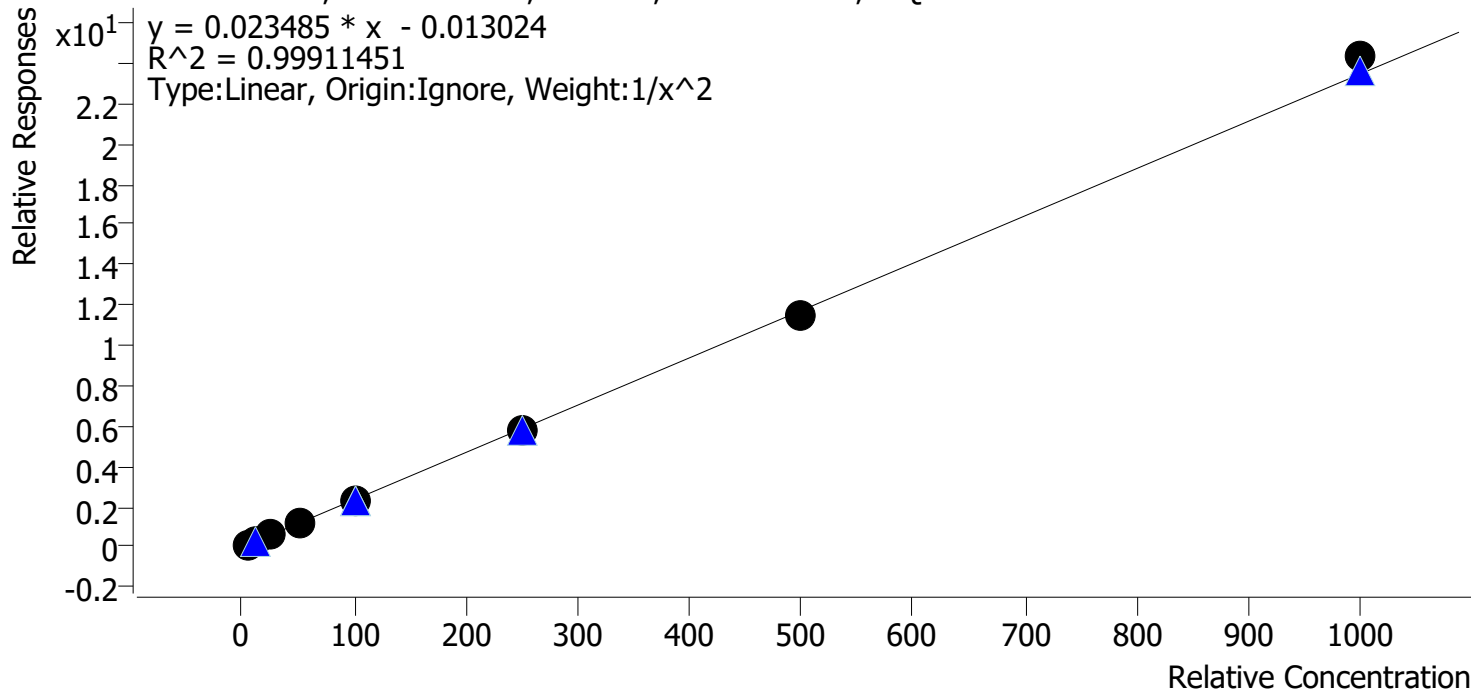
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	487.9	97.6
p1 Cal 8-1000ng	8	✓	1000.0	1036.8	103.7

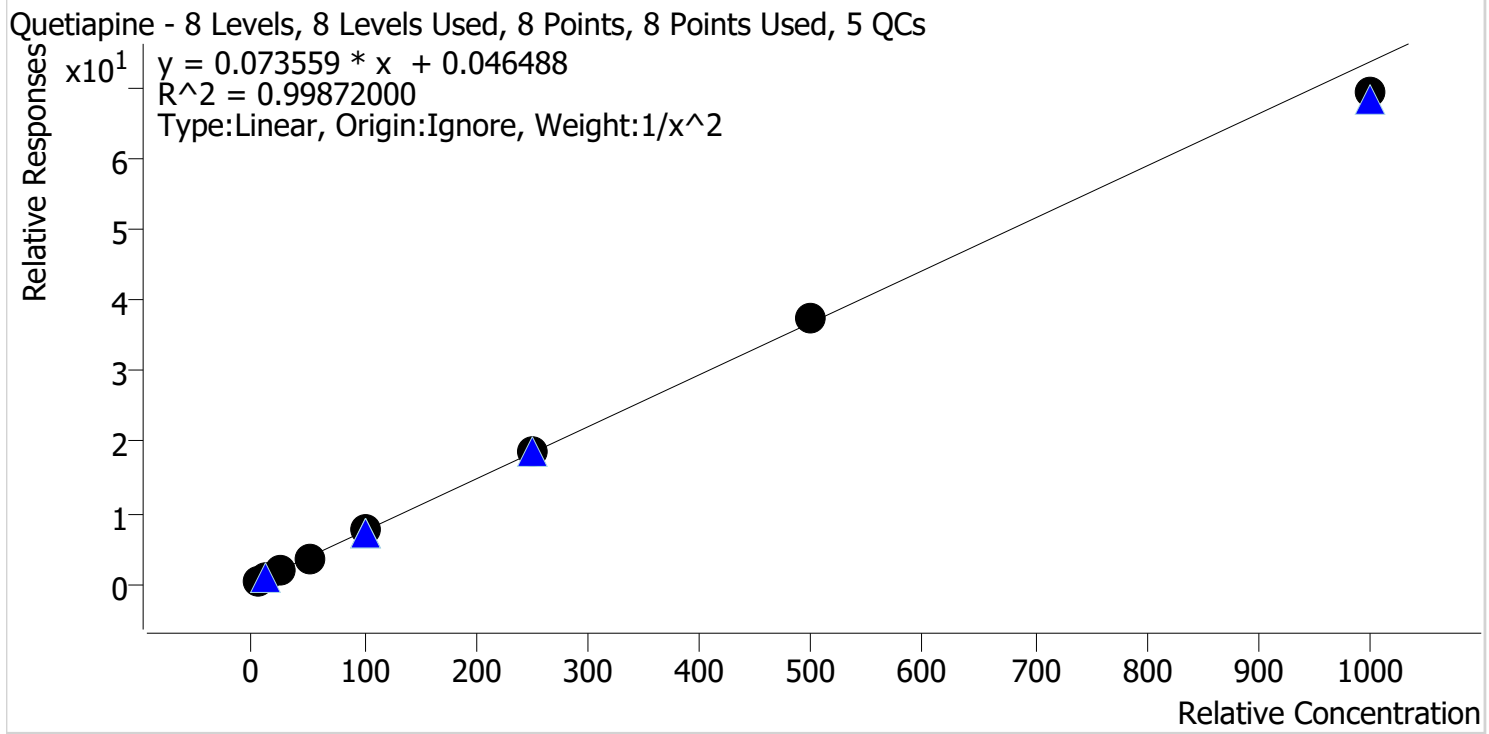


AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



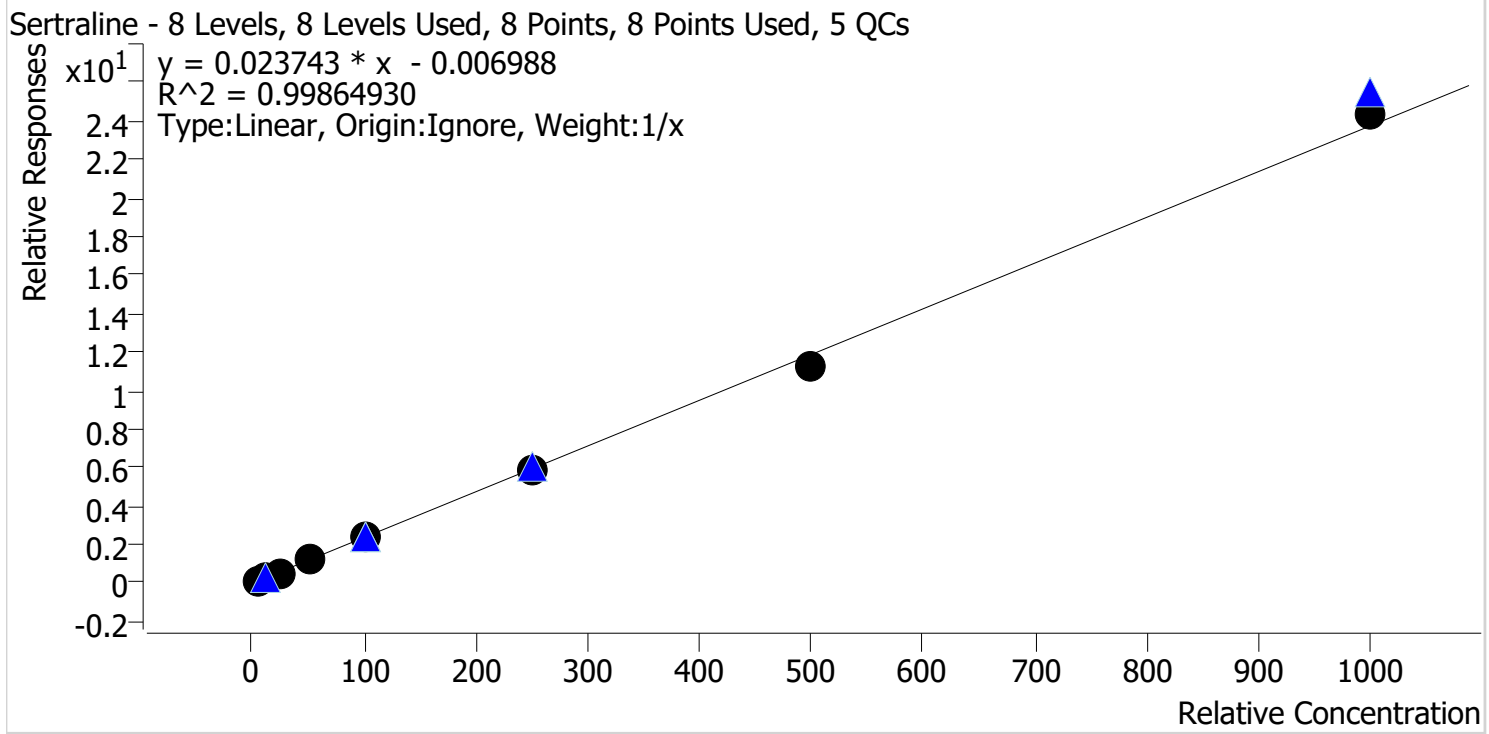
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	507.4	101.5
p1 Cal 8-1000ng	8	✓	1000.0	940.9	94.1

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.2
p1 Cal 4-50ng	4	✓	50.0	49.8	99.5
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	474.6	94.9
p1 Cal 8-1000ng	8	✓	1000.0	1027.8	102.8

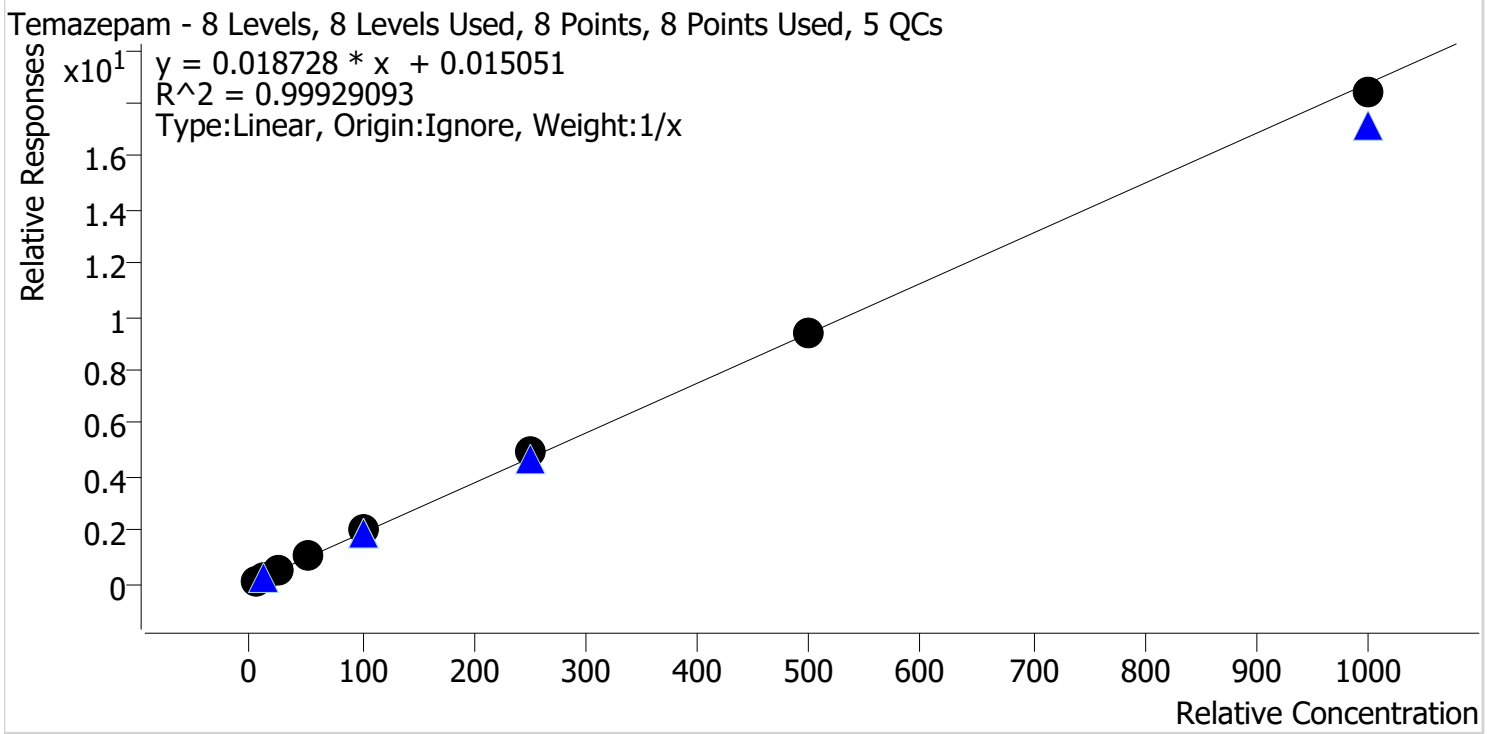
Qualitative only due to QC accuracy

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



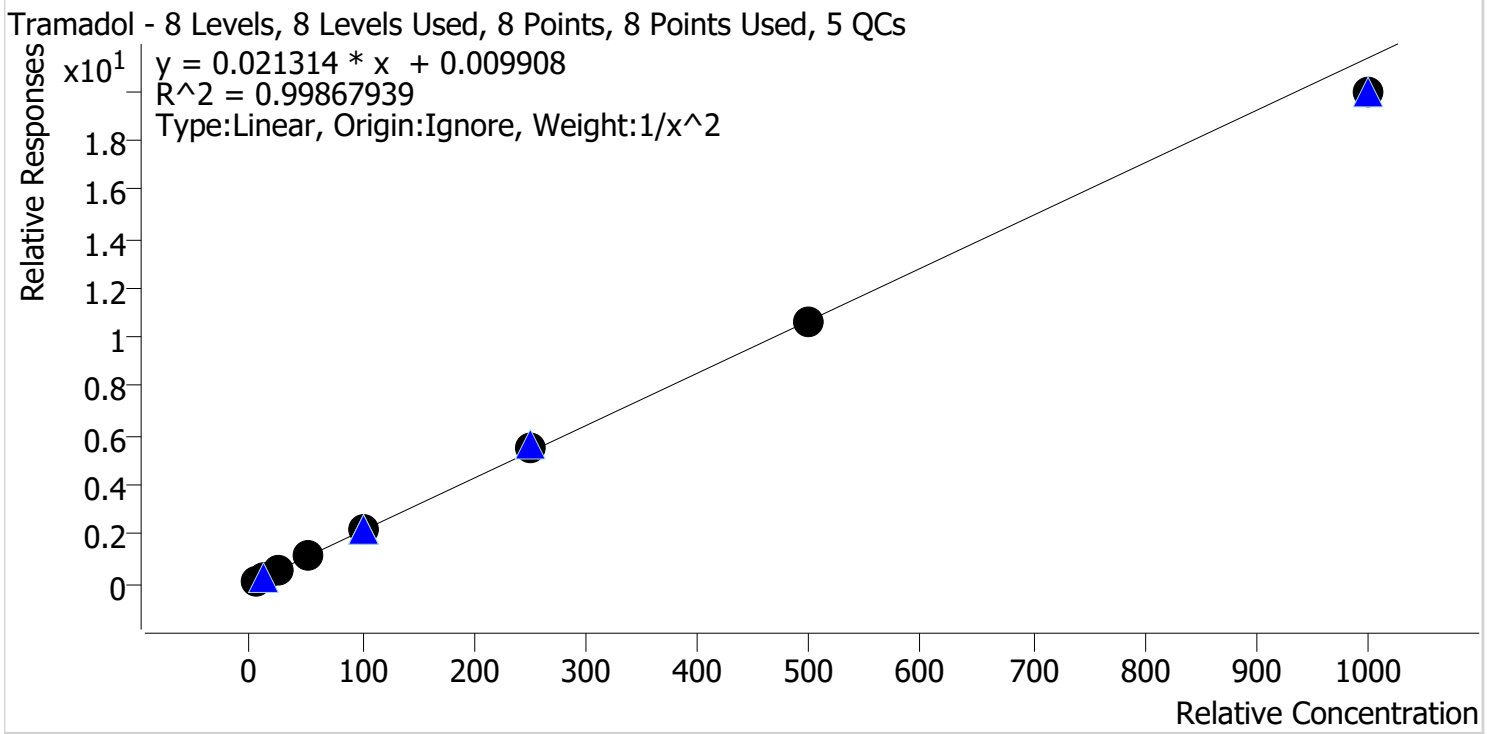
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	90.1
p1 Cal 2-10ng	2	✓	10.0	9.4	94.2
p1 Cal 3 -25ng	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	259.7	103.9
p1 Cal 7-500ng	7	✓	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✓	1000.0	981.5	98.1

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



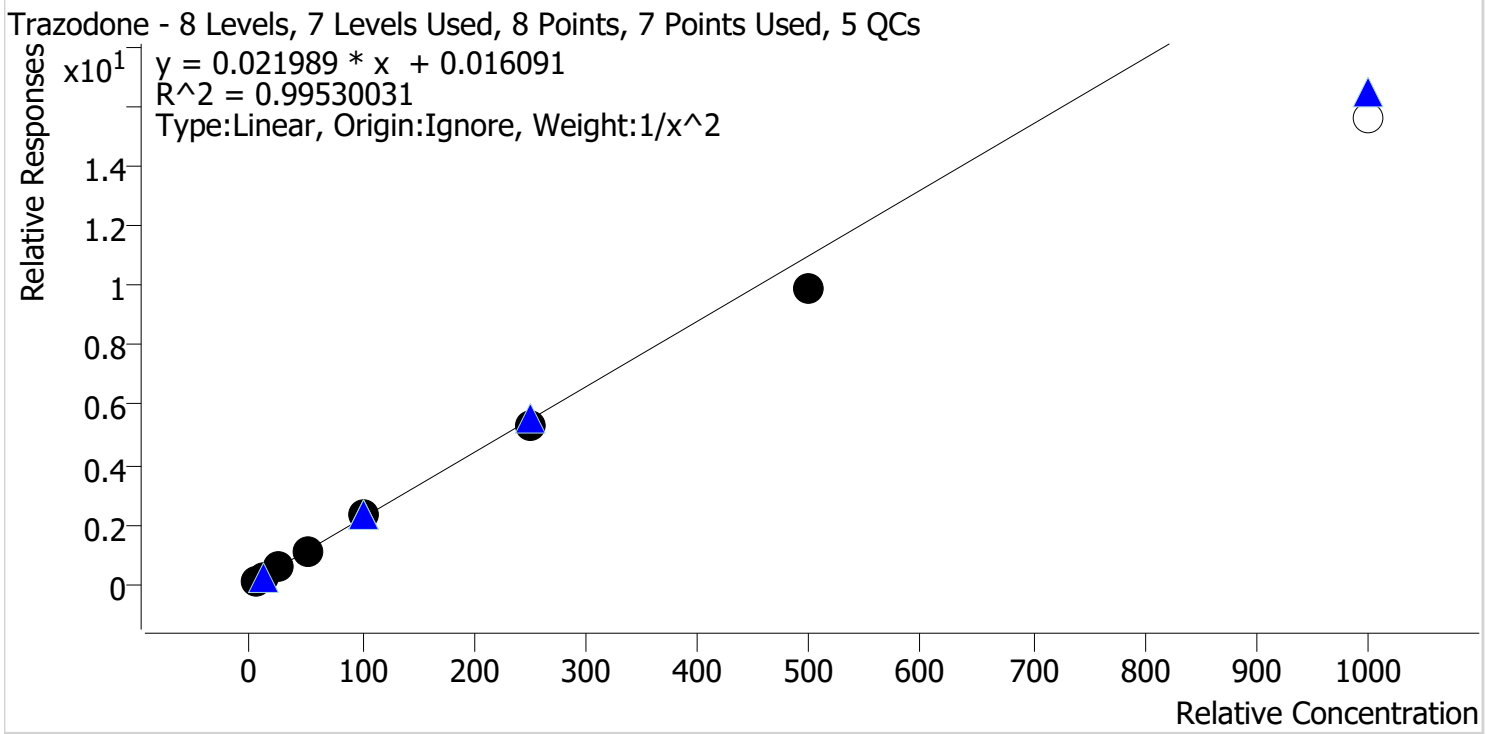
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	495.3	99.1
p1 Cal 8-1000ng	8	✓	1000.0	933.9	93.4

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.4
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	449.9	90.0
p1 Cal 8-1000ng	8	✗	1000.0	711.7	71.2

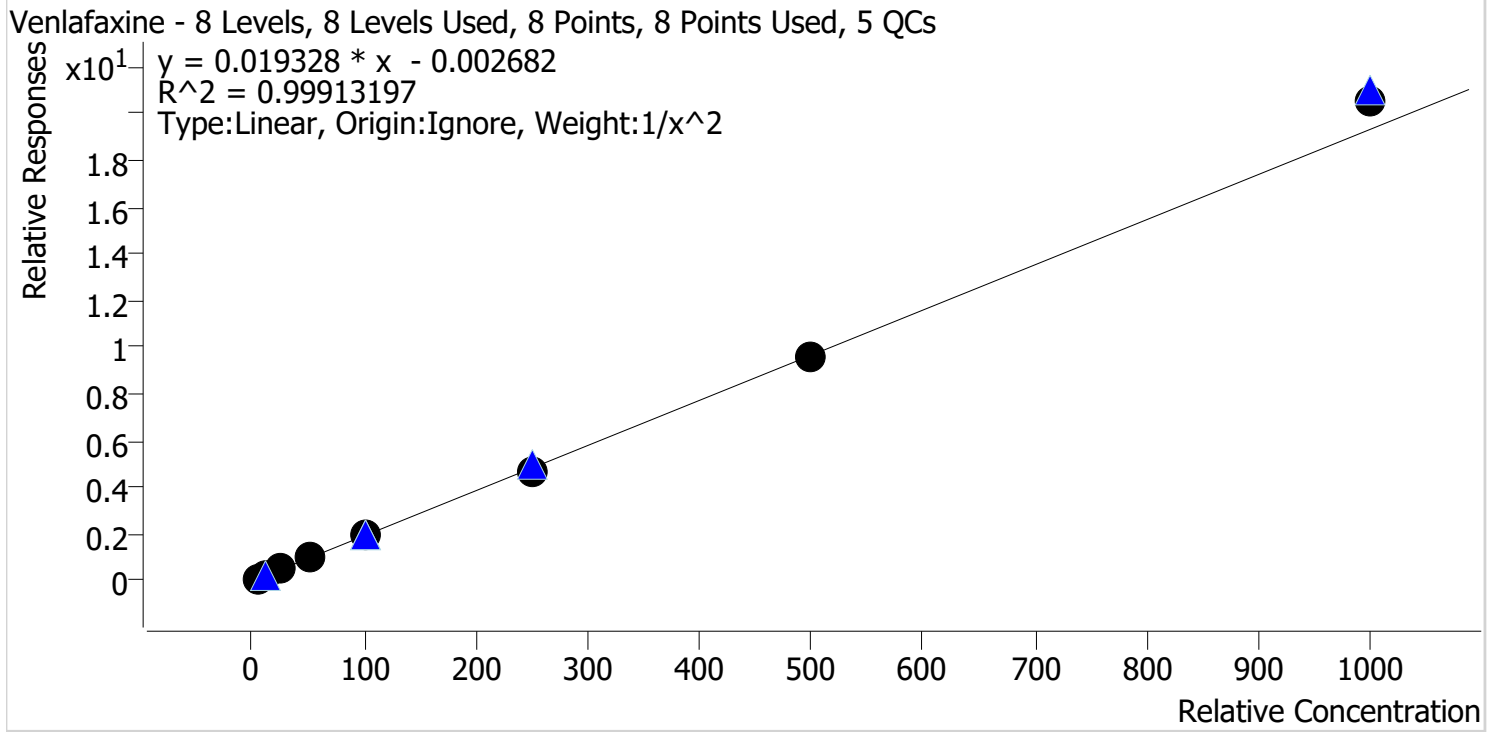
Cal 8 dropped due to accuracy

AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1059.0	105.9

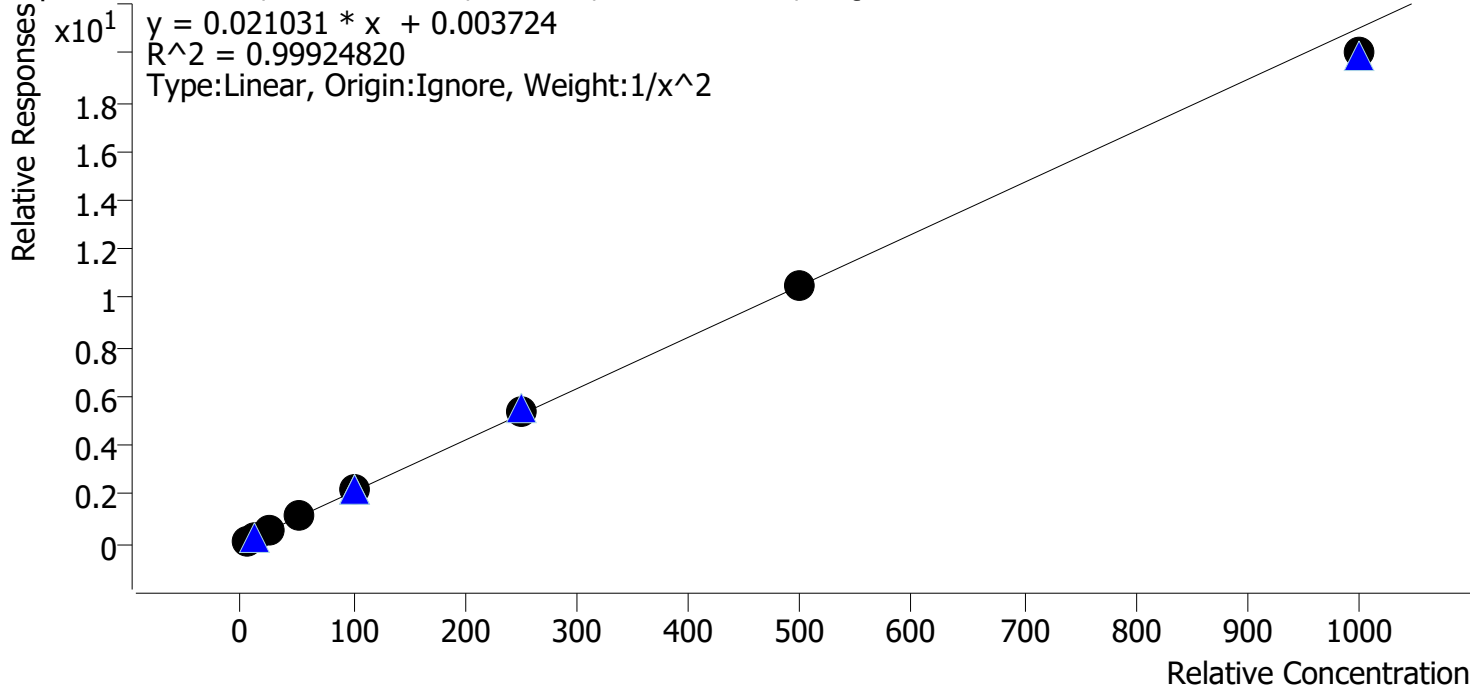
AA



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

**Batch results** C:\Users\lagerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Last Cal. Update** 5/24/2022 7:47 AM  
**Analyst Name** ISP\lagerheart  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	497.4	99.5
p1 Cal 8-1000ng	8	✓	1000.0	952.3	95.2

AG

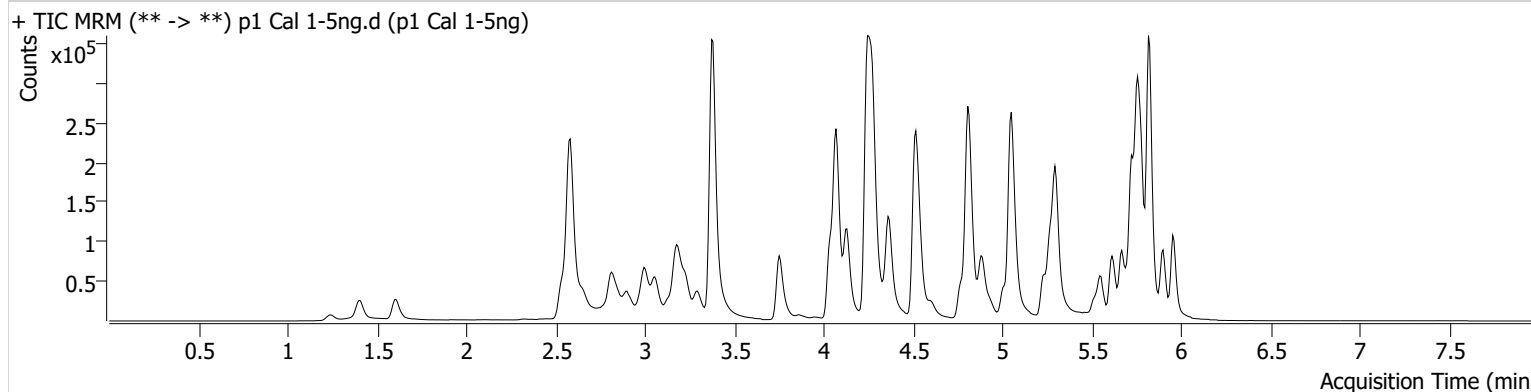


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 1-5ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 1:46:06 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	723	110.85	80.8	342.32	36560	0.4874 ng/ml
7-aminoclonazepam	4.263	14345	78.53	72.9	118.95	104668	4.8224 ng/ml
a-hydroxyalprazolam	5.699	8933	60.16	67.2	4696.37	221055	4.7354 ng/ml
alpha-PHP	4.936	8192	646.34	259.3	64115.56	269573	4.9654 ng/ml
alpha-PVP	4.375	35576	222.46	48.8	1418.33	269573	5.0222 ng/ml
Alprazolam	5.782	30467	323.69	110.7	206.47	221055	5.0481 ng/ml
Amphetamine	3.058	54046	851.65	45.5	63.75	72694	4.4463 ng/ml
Benzoylcegonine	3.890	1541	182.33	7.8	314.64	7946	5.9046 ng/ml
Buprenorphine	5.670	301	58.54	11.9 <b>Low</b>	79.26	21265	0.3123 ng/ml
Bupropion	4.780	15894	4751.43	71.4	166.91	107186	5.0237 ng/ml
Carisoprodol	5.731	32663	153588.49	61.4	276.94	301858	5.5354 ng/ml
Citalopram	5.232	12640	89.64	35.2	4686.10	115161	5.1066 ng/ml
Clonazepam	5.612	36091	1258.34	34.1	40540.91	90067	4.8263 ng/ml
Clonazepam	5.556	20434	4459.88	30.0	12540.29	90067	5.0504 ng/ml
Cocaine	4.269	33753	100928.84	54.6	39345.66	509534	4.9775 ng/ml
Codeine	2.587	4490	5974.23	100.4	9089.42	43482	4.8339 ng/ml
Cyclobenzaprine	5.635	3681	9298.81	7.2	15.67	30848	5.2169 ng/ml
Dextromethorphan	5.275	5654	11430.56	82.4	104.62	43188	4.9998 ng/ml
Dextrophan	4.130	9935	23232.02	215.4	352.65	217373	5.0315 ng/ml
Diazepam	5.960	20101	5499.67	85.5	3189.58	178418	5.0200 ng/ml
Dihydrocodeine	2.566	11063	241.26	63.3	3066.51	126349	5.0108 ng/ml
Diphenhydramine	5.302	30044	98.14	28.7	407.54	375239	5.0111 ng/ml
Doxylamine	4.535	69192	5487.75	100.9	1646.94	610669	5.0556 ng/ml
EDDP	5.267	17116	208.52	44.7	158.60	179511	5.0601 ng/ml
Etizolam	5.820	15262	32938.36	27.2	6774.79	90067	5.1098 ng/ml
Fentanyl	5.082	377	10.71	93.3 <b>High</b>	1539.58	53015	0.7073 ng/ml
Flualprazolam	5.712	10907	1271.15	100.0	3932.13	221055	4.7840 ng/ml
Fluoxetine	5.721	4507	2975.19	6.6	326.90	30500	5.2201 ng/ml
Hydrocodone	3.027	14503	59.31	34.0	39.05	164337	4.9039 ng/ml
Hydromorphone	1.615	11670	212.76	80.6	240.47	69837	4.9567 ng/ml
Ketamine	4.049	31185	502.60	32.7	22.75	237163	4.9402 ng/ml
Lamotrigine	4.278	2193	116.11	87.0	3220.05	237163	4.8471 ng/ml
Levetiracetam	2.651	14911	427.59	171.5	279.49	632641	4.9615 ng/ml



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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	30553	511.58	50.7	47.27	90067	4.0679 ng/ml
MDA	3.205	33479	461.32	29.3	101.73	136187	4.8347 ng/ml
MDMA	3.299	22459	381.37	85.5	490.90	44214	5.0084 ng/ml
Meprobamate	4.910	15386	139.67	29.0	92.75	172485	4.7517 ng/ml
Methadone	5.666	15330	91.73	51.2	458.04	130841	5.2065 ng/ml
Methamphetamine	3.233	67336	278.24	38.1	200.87	158915	17.8337 ng/ml
Metoprolol	4.338	7925	20694.89	92.7	113.35	716477	4.7869 ng/ml
Mirtazapine	4.603	21112	306.30	53.1	873.13	269573	4.9125 ng/ml
Mitragynine	5.216	2131	86.94	38.6	2306.97	130841	4.7462 ng/ml
Morphine	1.247	2220	75.10	23.3	1443.15	7356	4.9134 ng/ml
Nordiazepam	5.907	20569	662.16	55.6	306.24	133876	4.9101 ng/ml
Norfentanyl	4.097	6665	28.57	35.9	52.52	568597	0.5117 ng/ml
Norhydrocodone	3.075	1781	25.49	34.2	19.21	39556	5.2873 ng/ml
Noroxycodone	2.918	15274	163.89	48.1	202.84	84469	5.0399 ng/ml
O-desmethyl-tramadol	3.379	90435	3218.28	5.7	176.00	896130	5.0730 ng/ml
Oxazepam	5.763	37099	156.95	78.3	106.77	418843	4.8248 ng/ml
Oxycodone	2.843	30351	227.20	30.2	118.16	210312	4.8354 ng/ml
Oxymorphone	1.405	12884	88.65	47.4	407.27	75527	4.9534 ng/ml
Phentermine	3.787	9131	97.75	6.6	15.15	232879	4.7609 ng/ml
Promethazine	5.545	7887	6555.92	30.9	15.47	77043	4.9137 ng/ml
Pseudoephedrine	2.590	63277	76.82	16.6	726.30	632641	5.0706 ng/ml
Quetiapine	5.521	15987	5182.80	55.0	19226.58	38407	5.0267 ng/ml
Sertraline	5.790	1648	79.76	88.3	33.68	13872	5.2968 ng/ml
Temazepam	5.824	63677	1717.92	27.7	114.85	640722	4.5031 ng/ml
Tramadol	4.257	81957	382.43	3.4	26.44	716477	4.9019 ng/ml
Trazodone	5.046	11816	19615.78	78.0	4048.24	95676	4.8846 ng/ml
Venlafaxine	5.050	54254	322.39	32.7	416.13	570923	5.0555 ng/ml
Zolpidem	4.825	71838	976.75	31.8	38445.96	659290	5.0040 ng/ml

AA

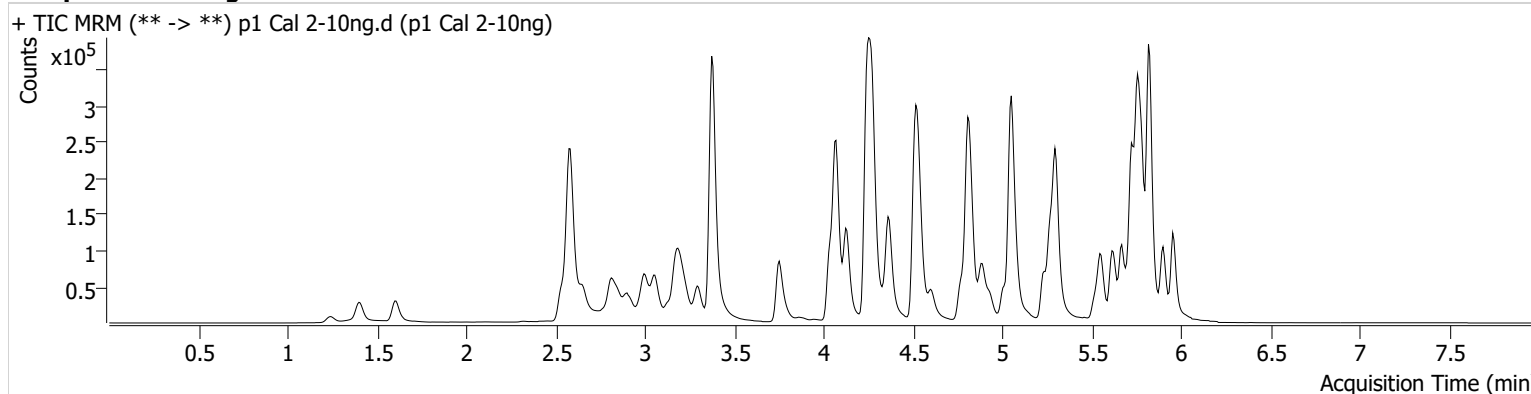


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 2-10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2-10ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-B1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 1:56:52 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	1518	206.39	68.1	∞	34219	1.0731 ng/ml
7-aminoclonazepam	4.256	28402	159.00	72.8	124.59	107777	10.2546 ng/ml
a-hydroxyalprazolam	5.706	15708	161.70	69.1	213.59	198596	10.5138 ng/ml
alpha-PHP	4.936	15948	722.52	262.8	577.35	257546	9.6240 ng/ml
alpha-PVP	4.368	67831	209.77	51.0	1305.85	257546	10.0113 ng/ml
Alprazolam	5.782	56048	345.22	114.0	1106.62	198596	10.0126 ng/ml
Amphetamine	3.058	76526	1799.00	44.0	256.05	70294	8.4518 ng/ml
Benzoylecgonine	3.890	2836	206.65	9.7	470.60	7804	10.6028 ng/ml
Buprenorphine	5.670	615	2109.74	17.1	161.64	23809	0.7734 ng/ml
Bupropion	4.787	33546	221.70	69.2	150.91	121406	9.7698 ng/ml
Carisoprodol	5.731	61364	79709.81	59.1	320.25	278198	10.2584 ng/ml
Citalopram	5.232	26449	208.27	34.3	20825.48	125002	9.5972 ng/ml
Clonazepam	5.619	65089	191.82	32.7	239.55	83173	10.2987 ng/ml
Clonazolam	5.556	35724	71597.19	31.5	12484.69	83173	9.8346 ng/ml
Cocaine	4.269	59922	158332.64	56.3	259.38	459668	10.1175 ng/ml
Codeine	2.587	7973	1069.86	104.4	30.11	39982	10.1491 ng/ml
Cyclobenzaprine	5.635	10664	17292.60	9.5	45.65	49341	9.2836 ng/ml
Dextromethorphan	5.275	11839	148.64	81.9	221.08	47230	9.9754 ng/ml
Dextrophan	4.130	21066	21013.20	190.4	513.82	221543	10.1239 ng/ml
Diazepam	5.960	36011	1001.94	89.6	231.33	169561	9.7564 ng/ml
Dihydrocodeine	2.566	18599	4975.84	69.3	309.89	115607	9.6487 ng/ml
Diphenhydramine	5.302	65562	3506.39	28.4	1667.27	408984	10.0124 ng/ml
Doxylamine	4.528	157180	842.37	99.6	12315.78	705372	9.8821 ng/ml
EDDP	5.267	36991	216.21	41.8	61.64	198292	9.8427 ng/ml
Etizolam	5.820	27628	61023.97	26.4	12277.45	83173	9.8689 ng/ml
Fentanyl	5.088	1269	163.20	69.6	1587.00	75871	1.2024 ng/ml
Flualprazolam	5.712	21401	856.56	94.0	2199.37	198596	10.7291 ng/ml
Fluoxetine	5.721	17769	36888.38	7.7	752.27	67910	9.3347 ng/ml
Hydrocodone	3.027	27902	123.59	33.3	95.45	159866	10.2031 ng/ml
Hydromorphone	1.608	21942	99859.61	76.3	76985.55	63147	10.2816 ng/ml
Ketamine	4.049	57342	177.14	35.3	123.49	227444	10.0622 ng/ml
Lamotrigine	4.278	4422	580.14	84.3	366.14	227444	10.5124 ng/ml
Levetiracetam	2.651	28841	770.37	156.7	616.46	603208	10.1697 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	53189	663.38	56.8	340.81	83173	10.2688 ng/ml
MDA	3.205	67941	720.87	30.2	151.61	142146	10.2076 ng/ml
MDMA	3.299	46779	1064.43	84.5	580.34	46917	9.9822 ng/ml
Meprobamate	4.910	28704	63818.11	28.2	2769.13	164009	10.4872 ng/ml
Methadone	5.666	31538	6481.51	59.3	348.43	130366	10.3424 ng/ml
Methamphetamine	3.227	43763	542.05	38.5	441.65	156048	10.1673 ng/ml
Metoprolol	4.338	16148	30622.07	94.2	1102.57	693166	10.3626 ng/ml
Mirtazapine	4.603	50357	2292.54	54.5	115.15	257546	9.0236 ng/ml
Mitragynine	5.216	5522	11961.87	34.3	6397.05	130366	10.3298 ng/ml
Morphine	1.247	4168	595.56	27.4	599.08	6500	10.2116 ng/ml
Nordiazepam	5.907	39088	937.48	54.9	331.51	129014	10.0659 ng/ml
Norfentanyl	4.090	13183	28625.05	38.2	13.60	564004	0.9787 ng/ml
Norhydrocodone	3.075	3452	60.74	32.0	45.26	37891	9.6074 ng/ml
Noroxycodone	2.918	28426	500.83	47.8	768.88	82594	9.8485 ng/ml
O-desmethyl-tramadol	3.379	166370	19918.89	5.4	165.24	833621	9.8797 ng/ml
Oxazepam	5.763	68872	380.15	92.8	181.81	387663	10.2510 ng/ml
Oxycodone	2.843	54697	506.26	30.3	254.02	188978	10.2756 ng/ml
Oxymorphone	1.405	22896	107.07	46.5	475.38	67006	10.2465 ng/ml
Phentermine	3.787	19362	975.71	5.4	13.17	242452	10.6359 ng/ml
Promethazine	5.545	27598	226.50	31.7	55.47	119137	10.4184 ng/ml
Pseudoephedrine	2.590	120960	953.02	16.9	901.49	603208	9.9359 ng/ml
Quetiapine	5.528	37998	34965.17	54.2	950.10	49161	9.8756 ng/ml
Sertraline	5.790	7580	273.79	96.7	72.66	32587	10.0914 ng/ml
Temazepam	5.824	115093	305.56	29.7	31.18	601004	9.4218 ng/ml
Tramadol	4.257	158413	10109.02	3.3	136.17	693166	10.2573 ng/ml
Trazodone	5.046	26718	1034.52	78.7	2863.61	111491	10.1665 ng/ml
Venlafaxine	5.050	109668	278.23	32.1	264.12	583589	9.8616 ng/ml
Zolpidem	4.825	135261	46711.09	32.0	56224.09	638474	9.8963 ng/ml

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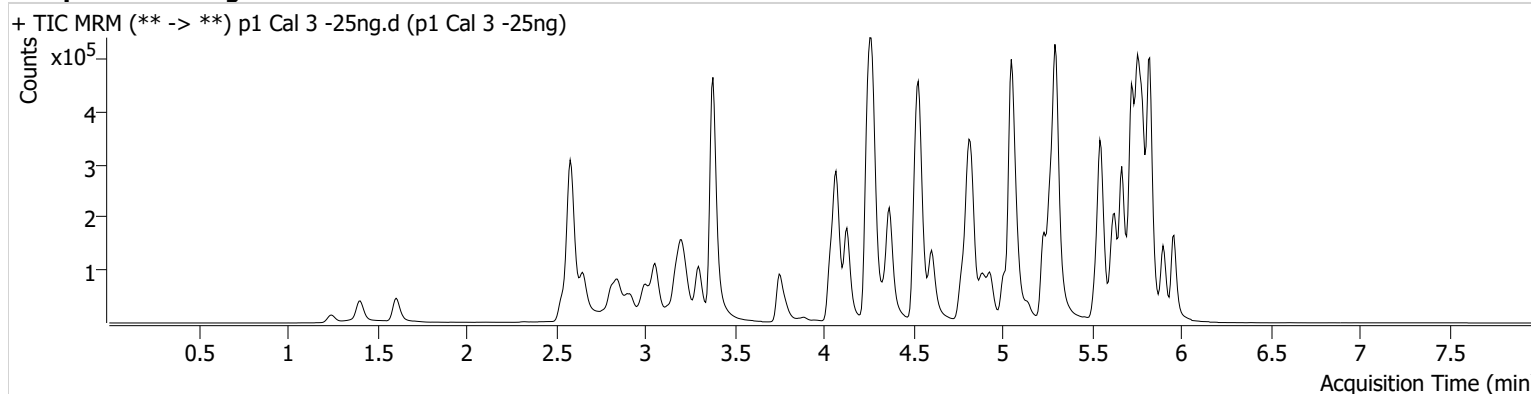


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 3 -25ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 3 -25ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 2:07:29 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	3430	3552.35	74.6	6937.84	34212	2.4044 ng/ml
7-aminoclonazepam	4.263	68185	1417.89	75.2	34349.83	106439	26.4501 ng/ml
a-hydroxyalprazolam	5.706	39120	371.22	65.6	285.92	199213	28.0317 ng/ml
alpha-PHP	4.936	46508	5003.80	261.3	1039.48	270266	25.8995 ng/ml
alpha-PVP	4.375	175080	1489.26	50.2	278.66	270266	24.6075 ng/ml
Alprazolam	5.782	138013	661.52	112.2	1772.38	199213	24.1278 ng/ml
Amphetamine	3.058	159470	773.13	44.2	274.73	64679	24.4294 ng/ml
Benzoylecgonine	3.890	6759	171.22	9.1	63.68	7849	24.3983 ng/ml
Buprenorphine	5.670	3266	672.88	13.2	56.47	47413	2.4737 ng/ml
Bupropion	4.787	103449	223.45	69.8	1367.80	149588	25.1629 ng/ml
Carisoprodol	5.731	143042	293414.25	61.2	654.97	262549	23.8871 ng/ml
Citalopram	5.232	122530	3204.04	34.7	4029.66	219295	24.9069 ng/ml
Clonazepam	5.619	157835	1061.82	33.7	675.56	82363	26.5464 ng/ml
Clonazepam	5.556	89018	173403.65	30.7	40651.46	82363	25.2112 ng/ml
Cocaine	4.276	144507	242.50	58.0	19981.03	465096	24.5751 ng/ml
Codeine	2.587	19281	2926.23	107.2	∞	38580	26.7534 ng/ml
Cyclobenzaprine	5.635	83359	205911.69	8.3	893.49	145415	24.2895 ng/ml
Dextromethorphan	5.275	61727	135600.99	83.0	163.64	99513	25.3318 ng/ml
Dextrophan	4.130	53187	4092.98	204.8	633.60	235892	23.5678 ng/ml
Diazepam	5.960	92678	648.71	88.9	332.31	168016	25.8692 ng/ml
Dihydrocodeine	2.566	48248	269.82	66.7	42589.45	115161	25.9735 ng/ml
Diphenhydramine	5.302	297448	653.26	30.0	129.28	743067	24.9713 ng/ml
Doxylamine	4.535	405646	4437.98	102.2	3233.99	731727	24.4914 ng/ml
EDDP	5.267	116331	753.84	41.5	1390.80	247060	24.7516 ng/ml
Etizolam	5.820	66181	1902.09	27.3	30101.13	82363	23.6545 ng/ml
Fentanyl	5.088	8518	162.22	68.7	11601.53	197450	2.5634 ng/ml
Flualprazolam	5.712	49925	948.95	98.8	5960.69	199213	25.2663 ng/ml
Fluoxetine	5.728	139310	12068.58	7.2	26466.13	209381	23.9200 ng/ml
Hydrocodone	3.027	65560	117.47	34.5	66.98	157432	25.0605 ng/ml
Hydromorphone	1.615	52942	1000.89	77.3	263741.16	64760	24.1581 ng/ml
Ketamine	4.049	142303	175010.55	33.9	509.65	230566	25.5645 ng/ml
Lamotrigine	4.285	10558	986.45	92.1	2729.81	230566	25.1558 ng/ml
Levetiracetam	2.658	67694	908.86	167.0	2143.20	579744	24.9822 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	124112	4961.40	53.2	306.35	82363	28.1807 ng/ml
MDA	3.205	184379	1960.45	30.9	396.70	154532	26.7611 ng/ml
MDMA	3.299	125603	1155.75	87.6	1045.46	50863	24.9546 ng/ml
Meprobamate	4.910	67107	289.16	28.9	280.02	157613	27.2471 ng/ml
Methadone	5.666	159787	692.10	61.3	771.61	277108	24.1218 ng/ml
Methamphetamine	3.233	89413	323.93	39.0	1152.27	172513	22.8943 ng/ml
Metoprolol	4.338	40450	95637.07	97.5	804.61	703726	25.9404 ng/ml
Mirtazapine	4.603	193276	2624.47	54.8	1517.78	270266	27.2485 ng/ml
Mitragynine	5.216	33542	50745.36	35.6	1443.58	277108	27.1810 ng/ml
Morphine	1.247	10883	2192.21	24.8	645.51	6674	25.6515 ng/ml
Norbuprenorphine	5.005	366	641.84	99.9	551.84	7311	2.3123 ng/ml
Nordiazepam	5.907	96786	1287.46	54.3	3557.83	126524	26.0170 ng/ml
Norfentanyl	4.090	34310	10425.99	34.1	11.66	582151	2.4040 ng/ml
Norhydrocodone	3.075	8170	138.86	37.4	27.93	37720	21.3768 ng/ml
Noroxycodone	2.918	69299	2025.91	45.8	858.08	81472	24.7563 ng/ml
O-desmethyl-tramadol	3.379	410787	11054.43	5.6	5912.55	829846	24.2739 ng/ml
Oxazepam	5.763	163681	4420.82	75.1	353.68	364549	26.7782 ng/ml
Oxycodone	2.843	132997	963.52	30.0	138.33	185895	26.2447 ng/ml
Oxymorphone	1.405	54531	805.49	46.6	96.48	67155	24.7940 ng/ml
Phentermine	3.787	47920	432.97	6.0	184.78	258234	25.9145 ng/ml
Promethazine	5.545	205735	844.82	30.6	396.06	363860	24.6304 ng/ml
Pseudoephedrine	2.590	284588	911.96	17.1	34647.46	579744	23.9917 ng/ml
Quetiapine	5.528	149355	4700.90	54.3	221.14	79346	24.9574 ng/ml
Sertraline	5.790	58643	312.21	102.5	5908.70	106229	23.5445 ng/ml
Temazepam	5.824	280584	5260.54	29.1	208.04	564385	25.7423 ng/ml
Tramadol	4.257	390492	679.66	3.2	94.68	703726	25.5690 ng/ml
Trazodone	5.046	133480	10404.60	79.9	187797.19	222048	26.6057 ng/ml
Venlafaxine	5.050	289851	431.04	32.4	445.01	609067	24.7611 ng/ml
Zolpidem	4.825	330288	8875.83	31.6	4660.04	623140	25.0259 ng/ml

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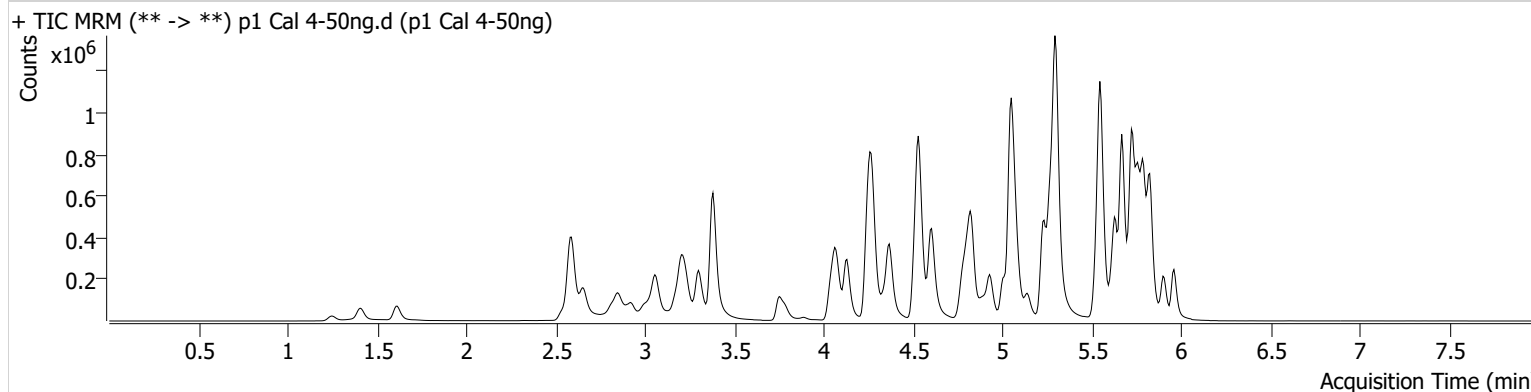


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 4-50ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 4-50ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-D1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 2:18:05 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	6877	437.15	75.5	10707.36	33949	4.8410 ng/ml
7-aminoclonazepam	4.256	128162	93.73	71.7	140.17	97646	55.3088 ng/ml
a-hydroxyalprazolam	5.699	65026	1088.45	67.8	1733.67	177949	53.2827 ng/ml
alpha-PHP	4.929	129409	351.58	258.9	14738.68	309450	62.2599 ng/ml
alpha-PVP	4.368	402744	430.59	50.4	29896.39	309450	49.4263 ng/ml
Alprazolam	5.782	247645	1479.49	110.6	545.01	177949	48.1552 ng/ml
Amphetamine	3.058	404994	9159.86	41.4	2634.91	75818	57.8036 ng/ml
Benzoylecgonine	3.890	12683	605.97	10.4	710.63	7922	44.9072 ng/ml
Buprenorphine	5.670	12645	16241.26	17.4	2097.45	95251	4.9963 ng/ml
Bupropion	4.780	299842	11656.62	70.9	2308.97	210177	52.4116 ng/ml
Carisoprodol	5.731	240276	542194.07	60.1	685.98	212620	48.4863 ng/ml
Citalopram	5.232	469509	27849.02	33.7	556958.66	419303	49.6469 ng/ml
Clonazepam	5.619	277676	675.13	34.2	112862.61	74082	52.7990 ng/ml
Clonazepam	5.556	148688	3497.29	33.5	115974.75	74082	47.0801 ng/ml
Cocaine	4.269	310654	437.38	56.1	1754.30	487034	50.8010 ng/ml
Codeine	2.587	38180	92.13	105.2	69468.99	37950	54.7427 ng/ml
Cyclobenzaprine	5.635	402687	363256.49	8.2	1571.38	341385	49.7663 ng/ml
Dextromethorphan	5.275	245424	130145.42	85.1	442.25	204921	49.3194 ng/ml
Dextrophan	4.130	136416	494.57	199.2	26829.55	284191	49.8149 ng/ml
Diazepam	5.960	177501	415.63	90.8	1003451.85	166908	50.1823 ng/ml
Dihydrocodeine	2.566	97910	164.48	63.4	3691.62	113154	54.2057 ng/ml
Diphenhydramine	5.302	1156057	145357.29	30.0	425.84	1476572	48.8212 ng/ml
Doxylamine	4.528	984377	5987.44	100.4	6337.49	875588	49.6037 ng/ml
EDDP	5.267	345027	49148.19	42.8	5927.08	368549	49.1521 ng/ml
Etizolam	5.820	122720	7397.76	27.3	41539.25	74082	48.6029 ng/ml
Fentanyl	5.088	43535	6502.65	68.3	30225.64	487649	4.9406 ng/ml
Flualprazolam	5.712	90087	3846.89	98.6	4031.93	177949	51.2822 ng/ml
Fluoxetine	5.728	654972	86571.61	7.5	743.59	483126	48.8621 ng/ml
Hydrocodone	3.027	138519	546.41	34.3	81.73	157563	53.4792 ng/ml
Hydromorphone	1.615	102862	2651.16	76.0	1433.30	60126	50.5286 ng/ml
Ketamine	4.049	293485	22720.66	34.5	1081.24	239290	51.4370 ng/ml
Lamotrigine	4.278	22715	807.65	89.0	837.32	239290	52.4637 ng/ml
Levetiracetam	2.658	129361	3871.54	165.4	2820.06	552278	50.2162 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	210528	11572.85	52.3	355.48	74082	55.7478 ng/ml
MDA	3.205	455956	844.01	30.7	552.19	192850	53.8687 ng/ml
MDMA	3.299	319505	3686.71	85.8	3441.30	65160	49.7053 ng/ml
Meprobamate	4.910	120948	1956.72	28.1	∞	147841	53.4690 ng/ml
Methadone	5.666	710326	709.08	60.3	109005.28	595942	49.4535 ng/ml
Methamphetamine	3.233	237012	2323.12	38.8	182.72	219976	52.8133 ng/ml
Metoprolol	4.338	95782	193595.73	93.8	6180.97	747670	58.1260 ng/ml
Mirtazapine	4.603	705671	756.65	55.0	8882.44	309450	82.1497 ng/ml
Mitragynine	5.216	162399	1056.85	35.7	91673.99	595942	59.6190 ng/ml
Morphine	1.253	20586	577.70	26.2	381.56	6403	50.3788 ng/ml
Norbuprenorphine	5.005	1715	3181.63	88.5	4880.51	13816	5.6934 ng/ml
Nordiazepam	5.907	186493	1558.41	55.0	380.35	121076	52.7864 ng/ml
Norfentanyl	4.090	75006	1961.85	35.1	1039.04	625909	4.8448 ng/ml
Norhydrocodone	3.075	17262	32.88	35.1	102.71	36695	45.1828 ng/ml
Noroxycodone	2.925	138785	373.51	48.0	666.42	79270	51.2566 ng/ml
O-desmethyl-tramadol	3.379	808865	1353.91	5.7	328.63	809131	48.8614 ng/ml
Oxazepam	5.763	283805	815.68	75.0	2153.27	319651	53.5096 ng/ml
Oxycodone	2.843	262809	3471.53	29.5	630.42	182465	53.4177 ng/ml
Oxymorphone	1.405	101611	∞	48.4	∞	64316	48.5452 ng/ml
Phentermine	3.787	123833	1885.87	5.6	68.34	326560	53.9020 ng/ml
Promethazine	5.545	1007537	60825.55	30.9	30424.84	870477	49.8393 ng/ml
Pseudoephedrine	2.590	553316	17049.16	16.9	257.23	552278	48.7280 ng/ml
Quetiapine	5.528	534299	17235.25	56.1	218150.81	145486	49.2942 ng/ml
Sertraline	5.790	283693	12501.07	96.9	26274.91	241526	49.7645 ng/ml
Temazepam	5.824	510909	1035.48	28.7	237.09	511793	52.5005 ng/ml
Tramadol	4.257	819991	1020.10	3.2	209.27	747670	50.9902 ng/ml
Trazodone	5.046	551299	35625.19	80.2	392.89	494052	50.0143 ng/ml
Venlafaxine	5.050	706452	2243.37	32.2	339.29	744835	49.2118 ng/ml
Zolpidem	4.825	684418	10665.73	31.0	720.83	627452	51.6892 ng/ml

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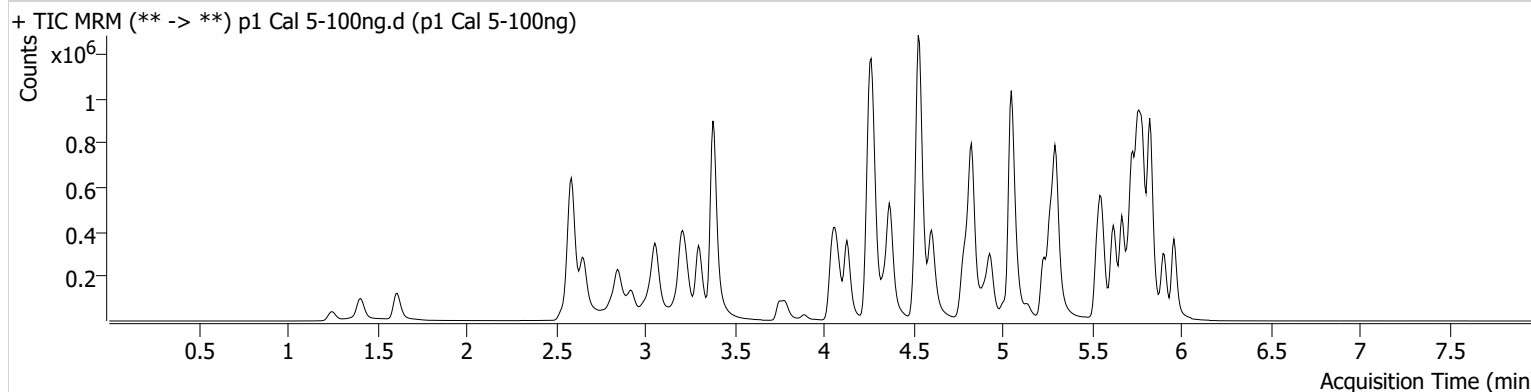


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-E1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 2:28:42 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	13588	22731.99	71.4	24113.89	32667	9.9236 ng/ml
7-aminoclonazepam	4.263	231589	11288.24	72.2	4127.17	92889	106.0177 ng/ml
a-hydroxyalprazolam	5.699	114685	509.86	71.0	789.86	168401	100.4254 ng/ml
alpha-PHP	4.936	164491	4858.73	264.2	12990.82	262382	93.0973 ng/ml
alpha-PVP	4.375	676213	5553.76	50.6	20545.42	262382	97.8632 ng/ml
Alprazolam	5.782	483234	2377.96	110.1	1122.20	168401	98.9646 ng/ml
Amphetamine	3.058	645687	443.02	42.9	6371.85	63454	113.8969 ng/ml
Benzoylecgonine	3.890	26022	2072.99	8.4	1426.20	7694	94.2672 ng/ml
Buprenorphine	5.670	8748	14753.46	14.3	2082.97	32373	10.4261 ng/ml
Bupropion	4.787	372259	690.38	70.5	1258.46	134870	101.8452 ng/ml
Carisoprodol	5.731	464407	8106.46	60.2	11282.66	207301	95.1494 ng/ml
Citalopram	5.232	343605	441.42	33.2	461.58	151230	100.4655 ng/ml
Clonazepam	5.619	523468	10424.72	33.7	439359.06	70897	104.8945 ng/ml
Clonazolam	5.556	305706	17562.31	33.2	97983.57	70897	101.4967 ng/ml
Cocaine	4.269	548590	31728.72	56.6	1994.53	433454	101.1276 ng/ml
Codeine	2.587	70674	128.63	107.0	9191.67	36463	106.2764 ng/ml
Cyclobenzaprine	5.635	182497	∞	8.6	35726.11	80258	95.7474 ng/ml
Dextromethorphan	5.275	155906	154.58	84.6	200.22	64837	99.4644 ng/ml
Dextrophan	4.130	205225	545.86	200.9	1215.98	216366	98.1227 ng/ml
Diazepam	5.960	323753	10526.11	90.8	5631.72	150313	101.9757 ng/ml
Dihydrocodeine	2.566	178696	6035.89	68.1	167.60	111933	100.4555 ng/ml
Diphenhydramine	5.302	834504	8675.04	29.7	577.75	524786	99.1371 ng/ml
Doxylamine	4.535	1590933	85107.27	100.1	45974.80	714671	98.1581 ng/ml
EDDP	5.267	410770	10499.70	42.7	6668.58	218355	98.7077 ng/ml
Etizolam	5.820	226912	9123.25	27.9	14331.25	70897	93.7608 ng/ml
Fentanyl	5.088	20936	49.43	69.6	40891.00	118991	9.4064 ng/ml
Flualprazolam	5.712	173865	2819.02	100.0	17692.61	168401	104.8318 ng/ml
Fluoxetine	5.728	262375	169249.18	7.2	66551.97	95585	99.0544 ng/ml
Hydrocodone	3.027	252729	360.01	35.7	344.36	146848	105.1878 ng/ml
Hydromorphone	1.615	205432	385.04	77.4	634355.32	59842	101.3695 ng/ml
Ketamine	4.049	545166	64206.03	34.4	4876.71	222533	103.3839 ng/ml
Lamotrigine	4.285	40582	1372.42	90.2	237.91	222533	101.0561 ng/ml
Levetiracetam	2.658	250111	2972.67	165.8	12625.09	549566	97.6649 ng/ml



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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	325031	39063.43	51.7	1060.03	70897	91.7348 ng/ml
MDA	3.205	626851	1706.68	31.0	3423.84	138850	103.6391 ng/ml
MDMA	3.299	467681	3599.08	87.2	3235.77	47340	100.3043 ng/ml
Meprobamate	4.910	226143	1171.33	27.9	155.00	140770	106.1619 ng/ml
Methadone	5.666	440937	19191.81	59.4	17319.45	184052	99.0116 ng/ml
Methamphetamine	3.233	305827	3199.97	39.0	324.07	149670	104.4974 ng/ml
Metoprolol	4.338	155880	133469.09	95.0	3764.06	680160	104.1861 ng/ml
Mirtazapine	4.603	598990	4903.49	54.4	1570.61	262382	82.2367 ng/ml
Mitragynine	5.216	85187	263267.97	33.9	16820.40	184052	100.3812 ng/ml
Morphine	1.247	42373	3130.31	26.2	41.06	6452	102.7018 ng/ml
Norbuprenorphine	5.005	1091	3234.08	94.7	594.02	4718	10.5835 ng/ml
Nordiazepam	5.907	322022	728.17	55.8	542.69	107006	103.5091 ng/ml
Norfentanyl	4.097	132435	135.22	36.1	425.15	557858	9.5568 ng/ml
Norhydrocodone	3.075	30738	185.71	35.5	98.76	30993	94.0804 ng/ml
Noroxycodone	2.925	244920	869.77	48.7	3298.00	73220	98.1862 ng/ml
O-desmethyl-tramadol	3.379	1568215	86545.16	5.7	1331.96	778989	98.2389 ng/ml
Oxazepam	5.763	469747	6056.10	74.2	1626.90	268887	105.8403 ng/ml
Oxycodone	2.843	503606	709.05	29.9	731.00	176107	106.6231 ng/ml
Oxymorphone	1.405	210559	∞	45.9	194.64	63941	101.5370 ng/ml
Phentermine	3.787	173913	336.72	5.6	629.66	239514	104.0414 ng/ml
Promethazine	5.545	457338	9409.34	30.3	4428.33	195402	100.2136 ng/ml
Pseudoephedrine	2.590	1113750	28146.33	17.1	127.67	549566	98.3332 ng/ml
Quetiapine	5.528	463590	43063.05	55.5	28982.53	59793	104.7707 ng/ml
Sertraline	5.790	114800	2101.45	93.4	506112.13	46781	103.6504 ng/ml
Temazepam	5.824	900188	18970.86	28.2	3011.33	452267	105.4757 ng/ml
Tramadol	4.257	1461466	72901.14	3.3	2694.10	680160	100.3459 ng/ml
Trazodone	5.046	371370	1141.50	79.2	1787.75	157084	106.7816 ng/ml
Venlafaxine	5.050	1099896	557.94	32.4	641.89	577181	98.7350 ng/ml
Zolpidem	4.825	1271903	6582.53	30.7	5585.72	593157	101.7827 ng/ml

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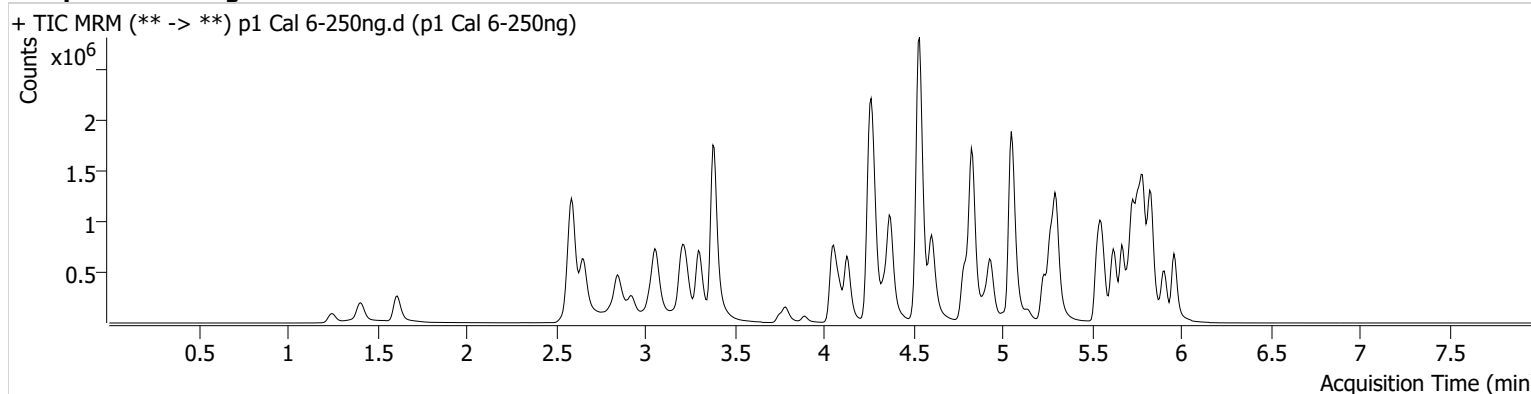


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 6-250ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 6-250ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-F1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 2:39:18 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	33224	206.46	73.2	70546.44	32686	24.2260 ng/ml
7-aminoclonazepam	4.263	478643	440.44	71.1	951.00	84339	242.6881 ng/ml
a-hydroxyalprazolam	5.699	192743	653.44	69.1	372.11	141203	202.5936 ng/ml
alpha-PHP	4.936	365773	1490.37	259.5	52045.03	237164	228.3355 ng/ml
alpha-PVP	4.375	1567881	55290.43	50.5	51007.71	237164	251.0171 ng/ml
Alprazolam	5.782	1055438	2581.15	108.3	1250.91	141203	257.2873 ng/ml
Amphetamine	3.058	1458129	816.94	43.1	8044.81	62695	265.7010 ng/ml
Benzoylecgonine	3.890	71582	2721.54	8.2	186.93	8367	237.6601 ng/ml
Buprenorphine	5.670	15828	1065.67	14.6	4391.35	24009	25.7901 ng/ml
Bupropion	4.787	748440	119277.47	71.1	10677.90	109997	251.7577 ng/ml
Carisoprodol	5.731	892025	760284.41	59.7	5362.00	155208	242.5573 ng/ml
Citalopram	5.232	665785	750.88	33.8	8252.22	117944	249.2091 ng/ml
Clonazepam	5.619	1033687	27077.30	33.9	30738.98	57353	257.3696 ng/ml
Clonazepam	5.556	658870	1475703.77	33.3	10500.26	57353	270.9175 ng/ml
Cocaine	4.276	1217773	978.62	58.3	854.72	391361	249.1160 ng/ml
Codeine	2.587	154344	185.78	104.4	7095.35	32863	258.7658 ng/ml
Cyclobenzaprine	5.635	316426	691324.68	8.2	99613.97	52387	253.9997 ng/ml
Dextromethorphan	5.275	289141	8284.84	84.8	712.13	47113	254.5393 ng/ml
Dextrophan	4.130	453406	18656.37	200.8	22719.42	189066	247.5982 ng/ml
Diazepam	5.960	713969	470.09	91.4	14943.07	135423	250.0916 ng/ml
Dihydrocodeine	2.566	436675	375.39	66.8	9131.27	111155	247.9710 ng/ml
Diphenhydramine	5.302	1616261	448.57	30.0	6192.99	402876	250.0785 ng/ml
Doxylamine	4.535	3793567	95034.06	100.4	2282.80	659931	253.3727 ng/ml
EDDP	5.267	957147	58665.13	42.0	1314.17	201276	249.4268 ng/ml
Etizolam	5.827	503176	20653.85	27.7	1317.10	57353	256.7455 ng/ml
Fentanyl	5.088	36179	1053.61	69.1	123.89	82125	23.0399 ng/ml
Flualprazolam	5.712	356256	1923.76	105.5	761402.41	141203	256.5224 ng/ml
Fluoxetine	5.728	383925	432664.59	7.4	27282.66	55166	251.3219 ng/ml
Hydrocodone	3.027	581713	2537.87	35.7	116.59	144633	246.5116 ng/ml
Hydromorphone	1.615	502987	2599388.60	77.0	2258721.43	61035	243.3134 ng/ml
Ketamine	4.049	1323745	∞	34.5	23771.70	220686	254.0654 ng/ml
Lamotrigine	4.285	90782	7861.59	90.5	62162.78	220686	228.3206 ng/ml
Levetiracetam	2.658	584333	8157.78	165.3	2985.92	510320	245.8752 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	435626	50726.95	50.8	1430.08	57353	153.9124 ng/ml
MDA	3.205	1299965	10630.69	29.4	4217.00	120072	249.7347 ng/ml
MDMA	3.299	1053682	15633.42	87.1	2142.47	42515	251.8664 ng/ml
Meprobamate	4.910	452793	685.23	27.4	11855.38	126716	237.6185 ng/ml
Methadone	5.666	824301	14422.11	59.6	751.39	137128	247.8562 ng/ml
Methamphetamine	3.233	696962	1900.48	39.0	222.59	139122	263.2240 ng/ml
Metoprolol	4.338	340861	353012.48	97.5	1760.39	613552	252.9161 ng/ml
Mirtazapine	4.603	1259215	3600.16	54.1	2091.16	237164	188.3924 ng/ml
Mitragynine	5.216	153077	159141.94	35.6	71876.79	137128	240.3305 ng/ml
Morphine	1.247	97834	616.26	26.8	97.57	6207	246.2130 ng/ml
Norbuprenorphine	5.005	1975	88.46	99.1	1935.65	3866	23.3580 ng/ml
Nordiazepam	5.907	653095	14138.45	55.4	1557.85	90429	248.9630 ng/ml
Norfentanyl	4.097	320750	247.56	35.7	674.81	528068	24.3867 ng/ml
Norhydrocodone	3.082	75136	178.41	36.9	212.47	25874	273.4232 ng/ml
Noroxycodone	2.925	516319	874.97	47.4	860.29	62709	242.0958 ng/ml
O-desmethyl-tramadol	3.386	3889903	100693.67	5.7	14940.58	760532	249.3513 ng/ml
Oxazepam	5.763	675024	∞	74.9	∞	168421	243.5562 ng/ml
Oxycodone	2.843	1194446	872.15	29.4	883.85	177344	251.9013 ng/ml
Oxymorphone	1.405	493346	∞	44.3	804.35	57336	265.8286 ng/ml
Phentermine	3.787	383216	2948.70	5.4	1111.07	221292	249.3875 ng/ml
Promethazine	5.545	779175	2363.89	31.2	7335.94	135920	244.6513 ng/ml
Pseudoephedrine	2.597	2648525	104155.61	17.0	48654.47	510320	251.4646 ng/ml
Quetiapine	5.528	969438	32107.93	57.2	218.70	51578	254.8860 ng/ml
Sertraline	5.796	164851	1544868.66	96.7	9770.50	28347	245.2230 ng/ml
Temazepam	5.831	1588820	22332.66	27.7	5841.97	325610	259.7443 ng/ml
Tramadol	4.257	3351847	591485.86	3.3	1217.95	613552	255.8428 ng/ml
Trazodone	5.046	707058	1419.85	79.3	1521.98	131607	243.5910 ng/ml
Venlafaxine	5.050	2508120	96112.26	32.2	12265.19	528273	245.7850 ng/ml
Zolpidem	4.825	3177032	11585.60	30.1	1884.86	597925	252.4728 ng/ml

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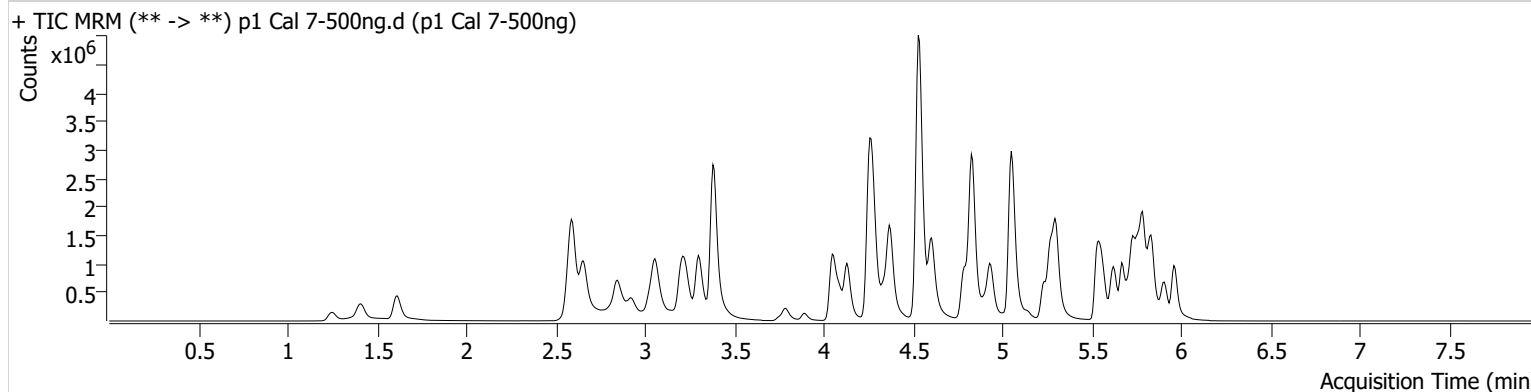


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 2:49:55 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	62138	9644.25	70.0	579.67	28680	51.6213 ng/ml
7-aminoclonazepam	4.256	693887	23712.42	71.6	18932.42	72949	407.4761 ng/ml
a-hydroxyalprazolam	5.699	236359	1452.52	71.1	856.47	113469	309.8450 ng/ml
alpha-PHP	4.936	605686	28487.66	259.6	95602.40	195235	458.8226 ng/ml
alpha-PVP	4.368	2613014	31115.03	51.0	773.74	195235	508.1736 ng/ml
Alprazolam	5.782	1693265	898.55	107.7	∞	113469	513.3513 ng/ml
Amphetamine	3.058	2220265	218.39	42.7	15213.47	54881	465.2711 ng/ml
Benzoylcegonine	3.890	150078	80513.75	8.1	6502.63	8876	469.1571 ng/ml
Buprenorphine	5.677	18799	72644.30	17.6	14617.98	15629	47.2584 ng/ml
Bupropion	4.787	1292220	105771.05	70.0	14276.94	97716	489.7524 ng/ml
Carisoprodol	5.737	1266366	2376515.33	61.3	191.51	105393	506.0253 ng/ml
Citalopram	5.232	1006624	659.48	33.8	10712.15	89717	495.0718 ng/ml
Clonazepam	5.619	1536151	36005.54	34.2	1794769.85	46212	475.4619 ng/ml
Clonazepam	5.563	1003995	1421440.66	34.1	459059.56	46212	512.6325 ng/ml
Cocaine	4.276	1987481	79364.30	57.4	513.65	318062	500.6048 ng/ml
Codeine	2.587	232781	7087.01	105.7	14208.65	27735	463.1069 ng/ml
Cyclobenzaprine	5.635	286752	389.55	8.1	3077.59	24283	496.3975 ng/ml
Dextromethorphan	5.275	355995	1101.67	84.6	1039.78	29911	494.0473 ng/ml
Dextrophan	4.130	752717	768.21	202.3	2576.98	152207	510.2515 ng/ml
Diazepam	5.960	1155230	19288.88	89.4	13710.33	108167	506.9669 ng/ml
Dihydrocodeine	2.566	730005	17481.10	68.6	103.12	100984	456.7364 ng/ml
Diphenhydramine	5.302	2396584	3020.57	29.5	680.89	297345	502.4011 ng/ml
Doxylamine	4.528	7076730	353868.14	97.8	125086.84	609737	511.5010 ng/ml
EDDP	5.267	1762166	36791.39	42.5	1680.77	185065	499.3749 ng/ml
Etizolam	5.827	820400	7669.75	27.4	2105.76	46212	519.3779 ng/ml
Fentanyl	5.088	39799	760.62	68.9	48726.73	41025	50.3265 ng/ml
Flualprazolam	5.712	537444	9740.81	106.3	22168.10	113469	481.7802 ng/ml
Fluoxetine	5.728	222309	2344.59	7.5	32390.85	15860	506.3147 ng/ml
Hydrocodone	3.027	992830	794.69	37.5	225.96	125231	486.4179 ng/ml
Hydromorphone	1.615	898576	3567884.63	77.1	2224802.61	52699	503.4070 ng/ml
Ketamine	4.049	2274383	75471.02	34.1	7002.56	196074	491.9151 ng/ml
Lamotrigine	4.285	141665	11672.49	92.1	42063.78	196074	401.2396 ng/ml
Levetiracetam	2.658	1018623	4863.92	165.4	21141.59	414148	528.2636 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	476545	61516.10	52.5	2818.51	46212	210.0138 ng/ml
MDA	3.205	1966778	4053.43	29.1	2830.26	92743	489.9938 ng/ml
MDMA	3.299	1732428	4241.99	88.8	1622.86	36151	487.1615 ng/ml
Meprobamate	4.910	691496	59364.78	27.1	7564.03	111100	414.7921 ng/ml
Methadone	5.666	1116661	2657.78	60.6	16786.13	94867	484.9748 ng/ml
Methamphetamine	3.233	1105739	37720.60	39.4	677.35	117619	498.1935 ng/ml
Metoprolol	4.338	537143	1150762.41	98.1	9975.51	528175	463.1914 ng/ml
Mirtazapine	4.603	2113419	108264.20	54.2	65105.05	195235	381.8459 ng/ml
Mitragynine	5.216	189854	262499.04	35.3	86926.82	94867	429.8584 ng/ml
Morphine	1.247	171290	1272.13	26.1	2055.16	5375	497.5847 ng/ml
Norbuprenorphine	5.005	2654	5758.28	100.2	7199.90	2513	48.2768 ng/ml
Nordiazepam	5.907	941788	644.53	54.2	511.11	66608	487.7836 ng/ml
Norfentanyl	4.097	598409	19510.09	35.4	12382.26	465198	51.5992 ng/ml
Norhydrocodone	3.075	139001	24680.35	37.7	180.03	21976	594.2923 ng/ml
Noroxycodone	2.918	773201	1549.37	47.3	5179.54	42427	536.1957 ng/ml
O-desmethyl-tramadol	3.379	6824614	47873.11	5.7	1139.84	652838	509.4763 ng/ml
Oxazepam	5.756	727768	∞	74.5	2600.69	95147	465.3266 ng/ml
Oxycodone	2.836	2008139	1085.38	29.9	423.36	156238	481.2366 ng/ml
Oxymorphone	1.405	803126	398.00	48.2	383.41	51810	479.1615 ng/ml
Phentermine	3.787	602324	5567.05	5.2	2596.98	182065	477.2577 ng/ml
Promethazine	5.545	694847	3296.23	31.9	6846.48	60704	487.9493 ng/ml
Pseudoephedrine	2.597	4337805	6579.60	16.7	33327.66	414148	507.2595 ng/ml
Quetiapine	5.528	1775004	36947.95	58.6	2108.37	47498	507.3949 ng/ml
Sertraline	5.796	88162	10563.49	98.0	1286.42	7829	474.5957 ng/ml
Temazepam	5.831	2011877	17328.81	27.7	2533.30	214015	501.1565 ng/ml
Tramadol	4.251	5581086	1889.99	3.3	201.13	528175	495.2931 ng/ml
Trazodone	5.046	1135510	95949.46	79.5	51443.08	114602	449.8656 ng/ml
Venlafaxine	5.050	4397693	133285.54	31.5	19717.96	455842	499.2885 ng/ml
Zolpidem	4.825	5830330	6390.41	29.0	7199.96	557208	497.3537 ng/ml

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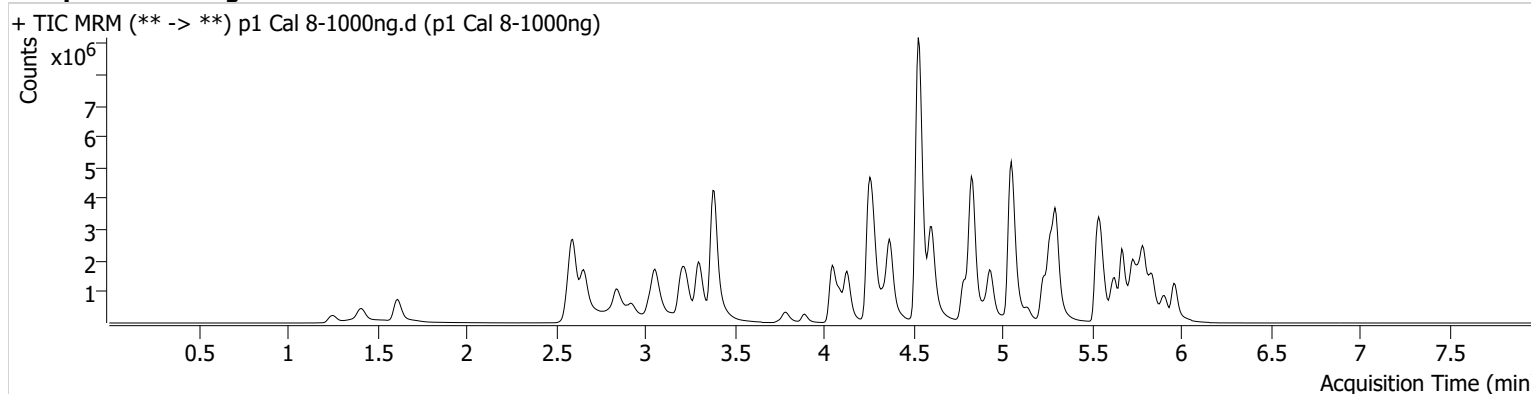


# AM #28 Multi-Drug Quant. Results

**Batch results** C:\Users\agerheart\Desktop\051822 AM 27 28 AG\QuantResults\AM 28 p1.batch.bin  
**Calibration Last Update** 5/24/2022 7:47:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-H1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/19/2022 3:00:32 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	117207	1628.06	69.1	284.41	27153	102.8259 ng/ml
7-aminoclonazepam	4.256	789236	7615.46	71.4	4937.71	55596	608.6558 ng/ml
a-hydroxyalprazolam	5.692	281968	270.46	69.2	151.80	79190	530.5591 ng/ml
alpha-PHP	4.936	1102056	55172.92	261.4	168457.73	162674	1001.3778 ng/ml
alpha-PVP	4.368	4381096	17776.09	51.3	95994.23	162674	1022.5607 ng/ml
Alprazolam	5.782	2338145	∞	106.1	6583.15	79190	1015.3990 ng/ml
Amphetamine	3.058	3569803	173.54	43.6	136.58	51287	803.5121 ng/ml
Benzoylcegonine	3.890	325458	891.22	8.2	43265.35	8570	1053.1028 ng/ml
Buprenorphine	5.677	42527	50039.34	14.6	13960.99	16892	99.1857 ng/ml
Bupropion	4.787	1906080	218128.34	70.0	3274.53	73677	958.5540 ng/ml
Carisoprodol	5.737	1492802	1237.52	62.3	∞	62302	1008.1008 ng/ml
Citalopram	5.232	2242744	3173.79	33.8	873.19	95300	1038.1002 ng/ml
Clonazepam	5.619	1961399	64772.14	33.5	26627.95	32737	857.6852 ng/ml
Clonazepam	5.563	1293459	259413.93	34.7	191132.67	32737	932.5062 ng/ml
Cocaine	4.276	3284755	399.08	58.0	529.69	267305	984.7842 ng/ml
Codeine	2.587	355753	7450.44	103.2	8104.24	23691	829.2768 ng/ml
Cyclobenzaprine	5.635	1082232	50502.64	8.1	139995.73	41533	1095.0954 ng/ml
Dextromethorphan	5.275	803897	13864.37	82.9	705.77	33320	1001.9538 ng/ml
Dextrophan	4.130	1350455	5301614.05	199.2	18667.33	132637	1050.1710 ng/ml
Diazepam	5.960	1720564	359.54	88.5	235.30	86187	947.9043 ng/ml
Dihydrocodeine	2.566	1229396	13006.95	68.4	11988.27	101607	764.8241 ng/ml
Diphenhydramine	5.302	5354199	123494.92	30.4	556.44	325669	1024.7734 ng/ml
Doxylamine	4.528	13786363	4141.61	97.7	200921.71	601018	1010.8627 ng/ml
EDDP	5.267	3759929	353724.00	41.8	29062.35	188312	1047.0768 ng/ml
Etizolam	5.827	1197042	18536.60	27.6	258527.94	32737	1069.5692 ng/ml
Fentanyl	5.088	134406	4545.06	67.1	93087.11	62147	111.7764 ng/ml
Flualprazolam	5.712	697434	1865.92	108.5	21593.69	79190	896.0315 ng/ml
Fluoxetine	5.728	800729	32709.89	7.6	55046.31	26784	1080.0064 ng/ml
Hydrocodone	3.027	1802314	160.57	36.3	343.11	120761	916.1461 ng/ml
Hydromorphone	1.615	1724517	9797582.29	77.2	9163559.35	50415	1009.8521 ng/ml
Ketamine	4.049	3926973	91047.32	33.2	10919.38	181030	920.4891 ng/ml
Lamotrigine	4.292	198416	12297.05	90.9	27006.27	181030	608.8292 ng/ml
Levetiracetam	2.658	1616389	22347.46	166.3	81007.57	357776	970.4339 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	539708	17355.16	51.5	4322.51	32737	337.5041 ng/ml
MDA	3.205	3024164	852.09	28.9	1512.75	82348	849.1554 ng/ml
MDMA	3.299	3227368	4710.26	88.5	66542.31	32077	1022.9757 ng/ml
Meprobamate	4.910	943084	34231.79	27.5	13491.08	91822	685.2635 ng/ml
Methadone	5.666	2924695	103985.71	57.7	1090.34	118202	1019.0333 ng/ml
Methamphetamine	3.233	1955097	2348.58	38.9	13784.97	113487	916.9774 ng/ml
Metoprolol	4.338	859132	6464.99	98.0	27693.19	473655	826.3254 ng/ml
Mirtazapine	4.603	4825423	137565.46	53.0	70073.03	162674	1042.5857 ng/ml
Mitragynine	5.216	503380	41855.97	35.6	1250352.18	118202	913.3065 ng/ml
Morphine	1.253	288296	1510.52	27.2	4146.34	4710	955.4884 ng/ml
Norbuprenorphine	5.005	6617	129.94	92.6	6790.86	3092	97.8201 ng/ml
Nordiazepam	5.907	1193889	66082.05	55.1	5363.21	45354	908.4637 ng/ml
Norfentanyl	4.090	1172248	127247.52	35.6	8312.29	425616	110.4323 ng/ml
Norhydrocodone	3.075	287094	721.33	38.7	∞	18618	1447.2860 ng/ml
Noroxycodone	2.925	1133978	1072.01	47.7	14522.17	34434	969.1478 ng/ml
O-desmethyl-tramadol	3.386	12114861	251344.35	5.6	1635.41	561954	1050.5099 ng/ml
Oxazepam	5.756	704574	45212.64	74.4	2001.76	47373	905.3350 ng/ml
Oxycodone	2.836	3434538	471.67	29.9	992.55	151204	850.9069 ng/ml
Oxymorphone	1.411	1503935	∞	46.4	∞	47213	984.9892 ng/ml
Phentermine	3.787	1057739	∞	5.0	1142.80	174117	877.1267 ng/ml
Promethazine	5.545	2714537	31047.20	30.9	695.53	111545	1036.7798 ng/ml
Pseudoephedrine	2.597	7790840	155523.10	16.5	48073.82	357776	1054.3568 ng/ml
Quetiapine	5.528	3911568	1485.48	60.1	690.05	56480	940.8712 ng/ml
Sertraline	5.796	352065	9981.83	95.6	6648.69	14431	1027.8336 ng/ml
Temazepam	5.837	2117662	24980.98	29.4	995.37	115118	981.4558 ng/ml
Tramadol	4.251	9433011	774.63	3.2	1522.63	473655	933.9016 ng/ml
Trazodone	5.039	2530887	120740.67	80.2	89829.33	161564	711.6579 ng/ml
Venlafaxine	5.050	8220952	143806.91	30.5	1588.81	401703	1058.9951 ng/ml
Zolpidem	4.825	10342757	352662.09	27.9	5864.45	516316	952.3237 ng/ml