

**REVIEWED**

By Sarah Collins at 12:04 pm, Aug 11, 2022

8/8/2022

**Worklist: 6053**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
M2022-2772	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-2776	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-2835	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-3002	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2212	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2215	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2217	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2223	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2237	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2240	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2250	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2252	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2293	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2298	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2321	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2324	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2325	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2365	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2371	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2387	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

ABY

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

**Extraction Date:** 8/8/2022

**Plate lot#:** 220324

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

**Blank Blood Lot:** Lampire 22B52015-1

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

**Analyst:** Amber Gerheart

**Plate Retest Date:** 09/24/2022

**Mobile phase B:** 0.01% Formic Acid in MeOH

**Blank Urine Lot:** N/A

**LCMS-QQQ ID:** 069901

### Pre-Analytic:

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

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. **Urine Hydrolysis:** In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
- 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate.  
**Pipette ID:** 42
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. **Skipped per deviation**
- 5. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 8. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
**(Load at 85-100 PSI- Selector to the right)**
- 9. Wait 5 minutes.
- 10. Add **900uL ethyl acetate**.
- 11. Wait 5 minutes.
- 12. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left)**.
- 13. Add **900uL ethyl acetate**.
- 14. Wait 5 minutes.
- 15. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left)**.
- 16. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 17. **Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.**
- 18. 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 5-250 ng/mL, alpha-hydroxyalprazolam 5-250 ng/mL, amphetamine 5-500 ng/mL, codeine 5-500 ng/mL, dihydrocodeine 5-500 ng/mL, ~~fentanyl 5-500 ng/mL~~, lamotrigine 5-250 ng/mL, lorazepam 5-100 ng/mL, meprobamate 5-250 ng/mL, mirtazapine 5-500 ng/mL, ~~norbuprenorphine 2.5-100 ng/mL~~, norhydrocodone 5-500 ng/mL, phentermine 5-500 ng/mL, trazadone 5-500 ng/mL, fentanyl 0.5-50 ng/mL  
Qualitative only: 7-aminoclonazepam

ABY

**Idaho State Police  
Forensic Services**

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

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

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

Requestor/Discipline: Celena Shrum/Toxicology

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

Temporary or Permanent Deviation: Permanent

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

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

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

**Technical Review**

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Departure approved  
Comments:

Departure Not Approved  
Comments:

Approver: Rachel Cutler  
Title: Laboratory Manager



Date: 2/10/2022

**Quality Review**

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



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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2022-2835-1	P2022-2250-1	IS + Cal. 1	IS + QC_1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2022-3002-2	P2022-2252-1	IS + Cal. 2	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	P2022-2212-1	P2022-2293-1	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	P2022-2215-1	P2022-2298-1	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	P2022-2217-1	P2022-2321-2	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	P2022-2223-1	P2022-2324-1	IS + Cal. 6	P2022-2371-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2022-2772-1	P2022-2237-1	P2022-2325-1	IS + Cal. 7	P2022-2387-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2022-2776-1	P2022-2240-1	P2022-2365-1	IS + Cal. 8	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution



AG

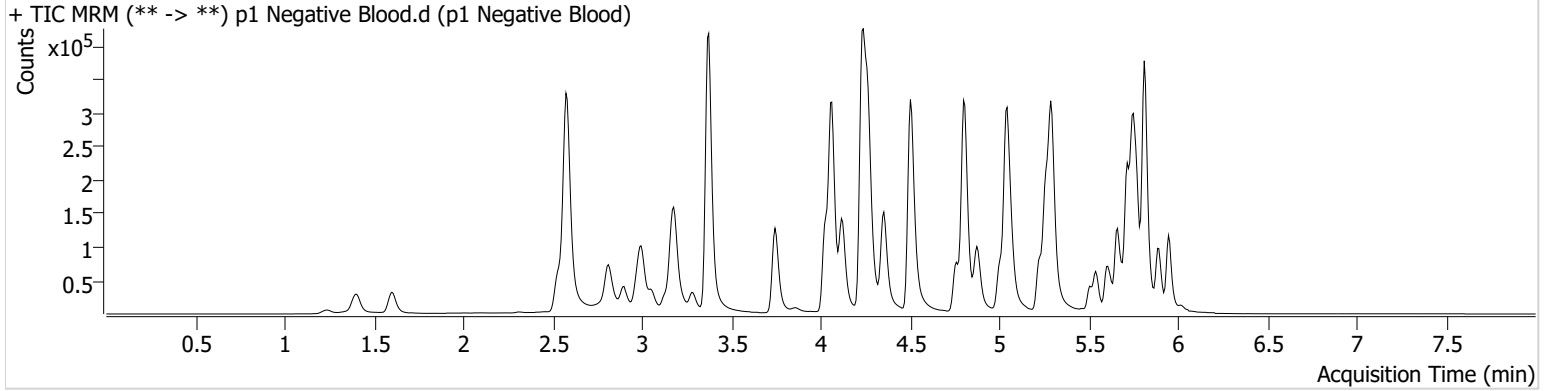


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-F2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/9/2022 1:57:10 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



# AM #28 Multi-Drug Quant. Results

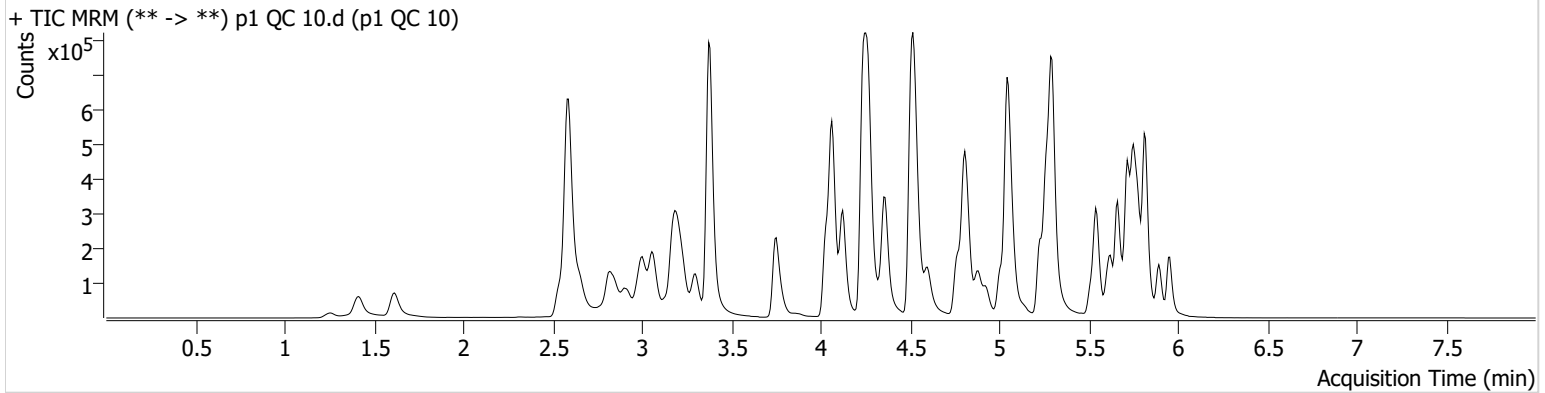
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**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-A2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/9/2022 12:42:53 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	3355	3650.54	72.2	8960.54	81368	1.0109 ng/ml
7-aminoclonazepam	4.256	48754	5810.09	71.4	129.20	179801	10.1639 ng/ml
a-hydroxyalprazolam	5.692	21059	3051.92	68.8	398.96	286261	10.0675 ng/ml
alpha-PHP	4.929	40531	2214.53	270.8	4918.30	631250	9.9520 ng/ml
alpha-PVP	4.368	169549	372.66	51.8	1266.33	631250	9.9013 ng/ml
Alprazolam	5.776	82945	1147.20	106.3	691.70	286261	10.0091 ng/ml
Amphetamine	3.065	259120	441.16	49.2	414.06	290398	10.5545 ng/ml
Benzoylecgonine	3.884	3887	333.27	8.9	21.23	12368	9.2683 ng/ml
Buprenorphine	5.670	2428	201.21	14.8	1012.49	80786	1.0944 ng/ml
Bupropion	4.780	105824	319.61	68.5	919.47	378958	9.8331 ng/ml
Carisoprodol	5.724	92994	275107.93	63.1	654.49	439670	9.6807 ng/ml
Citalopram	5.225	91208	2171.25	34.0	52902.39	404900	9.8415 ng/ml
Clonazepam	5.612	86756	189.69	35.1	4087.32	117057	10.1664 ng/ml
Clonazepam	5.549	56707	29641.19	35.0	30920.08	117057	10.1050 ng/ml
Cocaine	4.262	123750	21657.43	58.1	551.16	1042779	9.7366 ng/ml
Codeine	2.594	18005	561.73	100.9	74.68	84003	10.5363 ng/ml
Cyclobenzaprine	5.628	43621	27469.01	8.0	102.22	180810	9.8651 ng/ml
Dextromethorphan	5.275	38883	658.24	83.1	160.23	162236	10.0582 ng/ml
Dextrophan	4.123	52670	67855.26	196.4	8178.07	525852	10.1975 ng/ml
Diazepam	5.954	57879	498.59	91.2	384.46	254256	10.4284 ng/ml
Dihydrocodeine	2.566	44605	1351.08	67.6	664.80	256466	10.4383 ng/ml
Diphenhydramine	5.295	222397	5658.66	32.8	130.32	1291889	10.5782 ng/ml
Doxylamine	4.528	457913	602.83	98.3	3883.05	2015278	9.8736 ng/ml
EDDP	5.267	127143	180.52	41.2	3685.55	696861	9.4465 ng/ml
Etizolam	5.814	41065	4348.44	26.0	31556.15	117057	9.7982 ng/ml
Fentanyl	5.082	5198	273.05	68.2	129.42	278677	0.9529 ng/ml
Flualprazolam	5.706	33446	3410.52	103.3	2481.51	286261	10.3547 ng/ml
Fluoxetine	5.714	58731	479.43	7.7	3242.48	217570	10.0051 ng/ml
Hydrocodone	3.027	64921	251.18	38.4	135.21	373927	9.8357 ng/ml
Hydromorphone	1.621	59283	150.80	81.2	41.92	193400	9.3971 ng/ml
Ketamine	4.042	130037	9117.43	33.6	294.83	560691	10.2252 ng/ml
Lamotrigine	4.278	9140	283.52	91.2	280.89	560691	6.6560 ng/ml
Levetiracetam	2.658	46314	173.66	163.7	781.12	1692771	6.1773 ng/ml

ABY



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	75104	2267.28	51.9	210.91	117057	11.2681 ng/ml
MDA	3.205	195696	2079.67	28.4	340.08	451613	11.3338 ng/ml
MDMA	3.299	119408	1916.85	89.2	1332.08	120420	10.1105 ng/ml
Meprobamate	4.903	54385	233.25	27.2	926.02	254413	10.5297 ng/ml
Methadone	5.659	106571	3048.73	61.5	572.20	439025	10.2145 ng/ml
Methamphetamine	3.233	151750	1636.69	38.0	699.35	515874	10.7587 ng/ml
Metoprolol	4.331	35534	1440.33	97.1	733.85	1510708	10.7524 ng/ml
Mirtazapine	4.596	172788	1615.58	53.3	859.42	631250	10.7501 ng/ml
Mitragynine	5.216	27743	1628.92	36.3	219.00	439025	11.2753 ng/ml
Morphine	1.261	8883	1742.41	25.3	550.27	12051	10.4979 ng/ml
* Norbuprenorphine	4.998	256	626.40	110.8 High	826.46	13037	0.6687 ng/ml
Nordiazepam	5.900	61855	503.19	55.8	487.99	203993	10.1195 ng/ml
Norfentanyl	4.084	30617	452.00	34.6	52.41	1268789	0.9712 ng/ml
Norhydrocodone	3.075	9693	60.13	40.2	38.81	90764	9.7437 ng/ml
Noroxycodone	2.925	64746	12.58	47.7	377.35	186890	9.8193 ng/ml
O-desmethyl-tramadol	3.379	344935	10205.49	6.0	3788.95	1806729	9.8243 ng/ml
Oxazepam	5.756	97933	1040.62	74.3	175.52	547814	10.1959 ng/ml
Oxycodone	2.843	123114	782.75	30.5	478.33	455830	10.4316 ng/ml
Oxymorphone	1.418	60052	∞	45.5	647.84	178490	10.5071 ng/ml
Phentermine	3.787	57626	712.47	5.1	63.49	653176	10.3250 ng/ml
Promethazine	5.538	103216	544.54	30.3	206.48	442895	9.8594 ng/ml
Pseudoephedrine	2.597	337214	971.57	17.5	5401.77	1692771	9.7778 ng/ml
Quetiapine	5.521	99954	5207.82	55.0	13600.34	145477	9.3007 ng/ml
Sertraline	5.783	25064	798.14	95.0	156.71	103561	9.7925 ng/ml
Temazepam	5.817	168667	2093.19	26.9	500.99	822875	9.6665 ng/ml
Tramadol	4.251	329963	1311.68	3.3	336.37	1510708	10.1529 ng/ml
Trazodone	5.046	83647	141.05	81.0	936.84	347425	10.2089 ng/ml
Venlafaxine	5.043	243313	3847.54	31.6	297.58	1260773	9.9820 ng/ml
Zolpidem	4.825	226622	1948.70	30.7	1896.12	1048286	10.3386 ng/ml

\*Outside curve range

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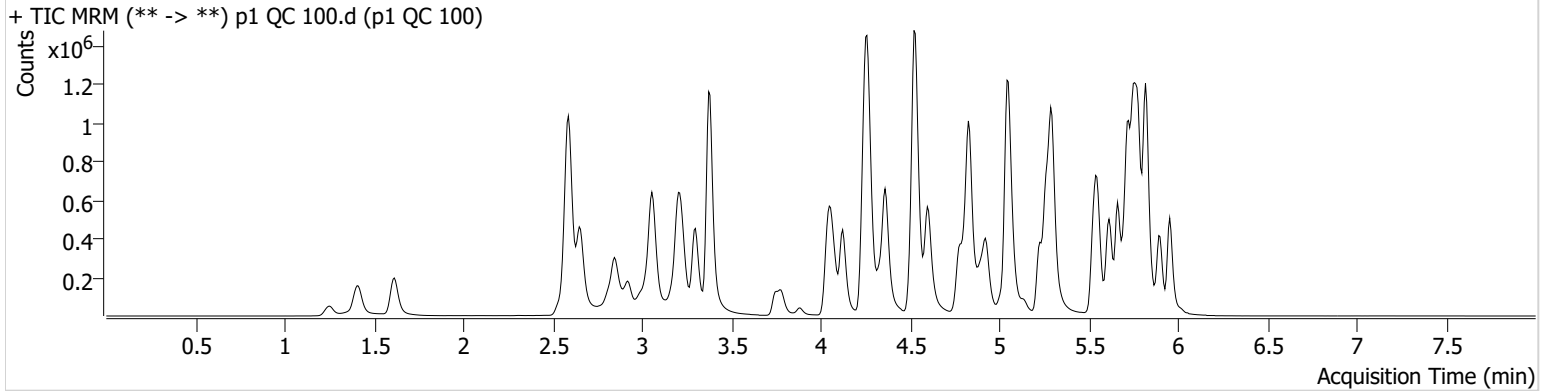


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/9/2022 9:23:11 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	17940	31898.33	67.0	508.40	44205	10.2302 ng/ml
7-aminoclonazepam	4.256	377294	14999.19	70.3	301.18	145734	103.0727 ng/ml
a-hydroxyalprazolam	5.692	149622	1209.08	67.4	243.23	223470	102.4103 ng/ml
alpha-PHP	4.929	207055	1339.47	261.4	19737.62	319644	99.4458 ng/ml
alpha-PVP	4.361	840641	15275.66	51.2	11325.27	319644	97.1984 ng/ml
Alprazolam	5.776	655697	∞	108.5	702.72	223470	99.1973 ng/ml
Amphetamine	3.058	1169327	21673.40	47.2	559.13	143187	107.3068 ng/ml
Benzoylcegonine	3.884	37312	12224.33	8.5	725.24	11168	101.9912 ng/ml
Buprenorphine	5.677	10943	522.56	14.9	4830.59	40480	10.1241 ng/ml
Bupropion	4.780	484337	1284.64	68.6	2668.76	182979	95.3350 ng/ml
Carisoprodol	5.724	674051	44250.13	64.1	983.11	310528	96.5134 ng/ml
Citalopram	5.225	445414	57611.03	34.6	470.25	196321	98.6643 ng/ml
Clonazepam	5.612	638585	42295.58	34.7	336176.30	90203	105.6366 ng/ml
Clonazepam	5.549	446819	651108.42	36.4	193955.16	90203	106.0301 ng/ml
Cocaine	4.262	636053	786499.83	58.0	575.94	541040	98.7445 ng/ml
Codeine	2.587	90245	55408.64	103.3	10792.96	45842	104.8074 ng/ml
Cyclobenzaprine	5.628	179104	196429.15	8.5	190.49	76302	93.0737 ng/ml
Dextromethorphan	5.268	199612	10887.96	84.0	438.40	82939	100.6837 ng/ml
Dextrophan	4.123	258856	11776.01	199.1	775.19	257545	100.1886 ng/ml
Diazepam	5.954	449545	4138.95	90.9	1272.85	197555	107.0149 ng/ml
Dihydrocodeine	2.566	240647	5005.59	69.2	520.06	146846	105.5382 ng/ml
Diphenhydramine	5.295	1132301	59341.94	32.0	461.93	648170	105.4388 ng/ml
Doxylamine	4.528	1887429	156888.89	98.6	148548.15	820105	101.1918 ng/ml
EDDP	5.261	652085	14705.04	40.9	367.17	352651	93.3968 ng/ml
Etizolam	5.814	343317	14728.17	27.5	70314.04	90203	98.7538 ng/ml
Fentanyl	5.082	24774	68.54	64.9	194.07	129675	9.8713 ng/ml
Flualprazolam	5.706	264119	7435.25	105.1	63790.41	223470	108.5186 ng/ml
Fluoxetine	5.714	216565	9502.60	7.4	1043.14	78666	99.5803 ng/ml
Hydrocodone	3.027	313011	∞	39.5	252.45	193304	98.1431 ng/ml
Hydromorphone	1.615	324814	4120.19	78.2	3653.85	101249	99.2685 ng/ml
Ketamine	4.042	727484	24997.58	33.9	412.10	318682	105.2669 ng/ml
Lamotrigine	4.278	67308	1323.23	89.2	40453.72	318682	116.2667 ng/ml
Levetiracetam	2.658	421418	5126.21	163.1	6406.70	855976	111.0932 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	405080	21994.18	53.5	1218.33	90203	92.6554 ng/ml
MDA	3.205	920638	1632.19	29.2	1275.72	222432	117.1318 ng/ml
MDMA	3.299	594717	7884.06	92.1	8462.32	59918	102.0781 ng/ml
Meprobamate	4.903	386916	21402.73	28.3	326.45	201936	101.5323 ng/ml
Methadone	5.659	549598	18418.44	60.0	3238.06	235637	96.4553 ng/ml
Methamphetamine	3.227	494776	1435.44	38.9	2915.01	215270	103.2644 ng/ml
Metoprolol	4.331	180133	2254.22	98.5	12939.35	830477	104.7298 ng/ml
Mirtazapine	4.596	868002	65228.71	53.8	4086.78	319644	103.2812 ng/ml
Mitragynine	5.216	122263	111149.70	35.4	920.56	235637	95.8487 ng/ml
Morphine	1.253	50770	685.92	29.4	1315.74	6992	105.0884 ng/ml
Norbuprenorphine	4.998	1552	870.80	91.5	1032.56	6318	10.7881 ng/ml
Nordiazepam	5.900	459179	1353.08	53.9	355.88	152074	105.1266 ng/ml
Norfentanyl	4.084	163445	8582.49	36.6	903.68	683318	9.4583 ng/ml
Norhydrocodone	3.075	47299	311.94	38.9	118.87	40575	94.3860 ng/ml
Noroxycodone	2.918	306506	535.16	48.2	4900.91	90705	100.3525 ng/ml
O-desmethyl-tramadol	3.379	1932170	42821.10	6.0	515.58	983598	98.3385 ng/ml
Oxazepam	5.756	622831	18103.60	71.4	3171.44	351397	107.6323 ng/ml
Oxycodone	2.843	636513	1029.25	30.9	5451.64	236861	111.6770 ng/ml
Oxymorphone	1.411	343047	∞	46.5	∞	103923	104.9137 ng/ml
Phentermine	3.780	265468	1531.86	5.2	73.05	317621	103.7538 ng/ml
Promethazine	5.538	455750	78958.89	30.1	∞	194654	98.6420 ng/ml
Pseudoephedrine	2.590	1754908	28435.70	17.2	17556.51	855976	97.8288 ng/ml
Quetiapine	5.521	587204	1183.77	57.6	839.55	82615	100.6115 ng/ml
Sertraline	5.783	97679	1090.46	94.6	4428.89	40748	98.2529 ng/ml
Temazepam	5.817	1212096	1020.50	27.2	3755.38	597672	97.2778 ng/ml
Tramadol	4.251	1709700	34559.63	3.4	311.43	830477	98.8363 ng/ml
Trazodone	5.053	519628	831797.39	81.4	64534.29	222474	107.0120 ng/ml
Venlafaxine	5.043	1335728	77243.78	31.3	4709.58	654136	104.1384 ng/ml
Zolpidem	4.832	1649212	569214.88	29.7	2351.14	792784	101.8819 ng/ml

ABY

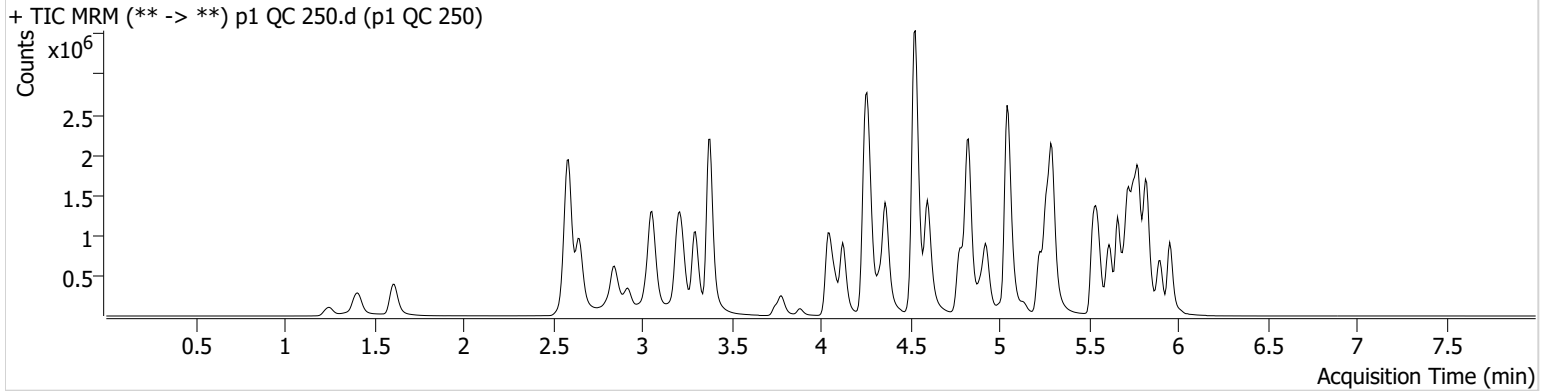


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/9/2022 1:04:06 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	44160	85421.90	69.1	26034.92	44130	25.2709 ng/ml
7-aminoclonazepam	4.256	734732	255.90	71.5	9264.87	128761	228.0300 ng/ml
a-hydroxyalprazolam	5.692	246611	947.69	66.4	358.56	186669	203.3690 ng/ml
alpha-PHP	4.929	510500	1155.22	257.6	28417.58	302962	258.5192 ng/ml
alpha-PVP	4.361	2035057	3606.66	51.8	816.98	302962	248.3021 ng/ml
Alprazolam	5.776	1426144	997.04	105.3	5725.96	186669	257.9098 ng/ml
Amphetamine	3.058	2506933	16125.80	47.4	547.46	137707	240.8251 ng/ml
Benzoylcegonine	3.884	91439	25914.66	8.1	220.30	10850	257.8201 ng/ml
Buprenorphine	5.670	24392	1125.30	17.4	5387.98	36608	25.0060 ng/ml
Bupropion	4.780	1161683	30865.20	68.0	13685.84	172268	243.2673 ng/ml
Carisoprodol	5.724	1281389	121099.10	61.8	5752.65	224513	253.2689 ng/ml
Citalopram	5.225	1095185	33682.72	34.3	403.32	189153	251.7110 ng/ml
Clonazepam	5.612	1265528	22489.15	35.0	12184.62	75631	251.0419 ng/ml
Clonazepam	5.549	928328	713376.95	36.6	518969.19	75631	263.1689 ng/ml
Cocaine	4.269	1481268	86255.22	58.2	1029.39	504615	246.9448 ng/ml
Codeine	2.587	189091	723.00	100.4	40970.92	42459	238.3412 ng/ml
Cyclobenzaprine	5.628	337864	22084.67	8.0	4888.72	54288	246.2212 ng/ml
Dextromethorphan	5.268	447216	1414.03	82.3	683.42	74013	252.7245 ng/ml
Dextrophan	4.123	635975	71852.04	200.7	2359.16	249986	253.2300 ng/ml
Diazepam	5.954	957185	11818.85	89.6	1151.86	172770	260.9895 ng/ml
Dihydrocodeine	2.559	557803	294.47	69.7	1830.98	143270	251.9099 ng/ml
Diphenhydramine	5.295	2786853	99179.67	31.7	15135.57	624468	269.0351 ng/ml
Doxylamine	4.528	4918821	3008.11	97.1	1356.10	842366	256.9461 ng/ml
EDDP	5.261	1672416	1450.41	40.9	∞	351199	240.1231 ng/ml
Etizolam	5.814	708529	5948.97	27.4	123672.40	75631	241.9529 ng/ml
Fentanyl	5.082	53702	545.74	64.1	183.42	108585	25.5732 ng/ml
Flualprazolam	5.706	527183	7158.41	110.0	120985.32	186669	259.8801 ng/ml
Fluoxetine	5.721	237839	5218.81	8.0	454.12	34895	246.1515 ng/ml
Hydrocodone	3.027	729117	182.94	39.6	246.85	186086	238.5710 ng/ml
Hydromorphone	1.615	758842	3116003.73	78.2	2112.32	93717	250.7029 ng/ml
Ketamine	4.042	1770536	112739.27	34.0	734.52	311709	262.7050 ng/ml
Lamotrigine	4.278	142793	6334.75	91.9	9723.00	311709	255.1135 ng/ml
Levetiracetam	2.651	899624	8615.14	163.4	17507.28	776379	261.4658 ng/ml

ABY



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	<del>5.747</del>	<del>526307</del>	<del>2606.42</del>	<del>54.6</del>	<del>1872.60</del>	<del>75631</del>	<del>144.8413 ng/ml</del>
MDA	3.205	2002833	8289.02	28.5	2208.79	210890	270.1083 ng/ml
MDMA	3.299	1474289	3233.45	91.1	7922.74	59118	256.6194 ng/ml
Meprobamate	4.903	751871	22199.32	27.6	30024.30	177428	225.6432 ng/ml
Methadone	5.659	1370762	1551.45	59.3	429.73	228981	247.2562 ng/ml
Methamphetamine	3.227	1125379	3494.29	38.4	1201.39	203397	252.5535 ng/ml
Metoprolol	4.331	426231	371360.32	98.9	3807.54	751766	274.8525 ng/ml
Mirtazapine	4.596	2229064	4072.57	53.0	8833.52	302962	279.1895 ng/ml
Mitragynine	5.209	292130	7511.82	36.1	650.85	228981	236.3342 ng/ml
Morphine	1.247	121317	4262.58	29.6	2066.68	7098	247.6280 ng/ml
Norbuprenorphine	4.998	3434	254.63	91.7	1424.55	5929	25.7179 ng/ml
Nordiazepam	5.900	886753	1244.97	54.4	517.39	122707	252.2824 ng/ml
Norfentanyl	4.090	412382	4553.29	36.9	2155.45	667039	24.4164 ng/ml
Norhydrocodone	3.075	110774	211.06	39.8	155.32	33371	266.5398 ng/ml
Noroxycodone	2.918	655910	1273.60	47.8	1309.49	76450	255.5995 ng/ml
O-desmethyl-tramadol	3.379	4594894	631.97	6.0	9483.29	934663	245.6583 ng/ml
Oxazepam	5.750	879275	8575.99	71.8	3454.36	207220	258.6930 ng/ml
Oxycodone	2.836	1493958	2591.67	31.0	1833.10	234131	266.3838 ng/ml
Oxymorphone	1.405	745923	∞	46.8	4327.74	92521	256.5373 ng/ml
Phentermine	3.780	603796	3755.34	4.9	332.31	308425	243.9608 ng/ml
Promethazine	5.538	796697	5066.53	30.7	739.27	136760	245.3657 ng/ml
Pseudoephedrine	2.590	4093971	1468.03	16.8	148534.33	776379	251.1458 ng/ml
Quetiapine	5.521	1521732	1609.72	58.9	634064.51	87918	245.6816 ng/ml
Sertraline	5.783	97005	220.84	95.1	459.70	15262	260.7481 ng/ml
Temazepam	5.824	2090985	531.78	26.6	2192.48	417301	240.6188 ng/ml
Tramadol	4.251	4066991	1503.23	3.4	358.30	751766	260.3323 ng/ml
Trazodone	5.046	1225779	3621.48	81.8	107009.12	224446	251.4448 ng/ml
Venlafaxine	5.043	3295136	2520.14	31.1	35773.97	643013	261.1120 ng/ml
Zolpidem	4.825	4151844	6177.96	29.1	104878.16	770837	264.2289 ng/ml

\*Outside curve range



AS

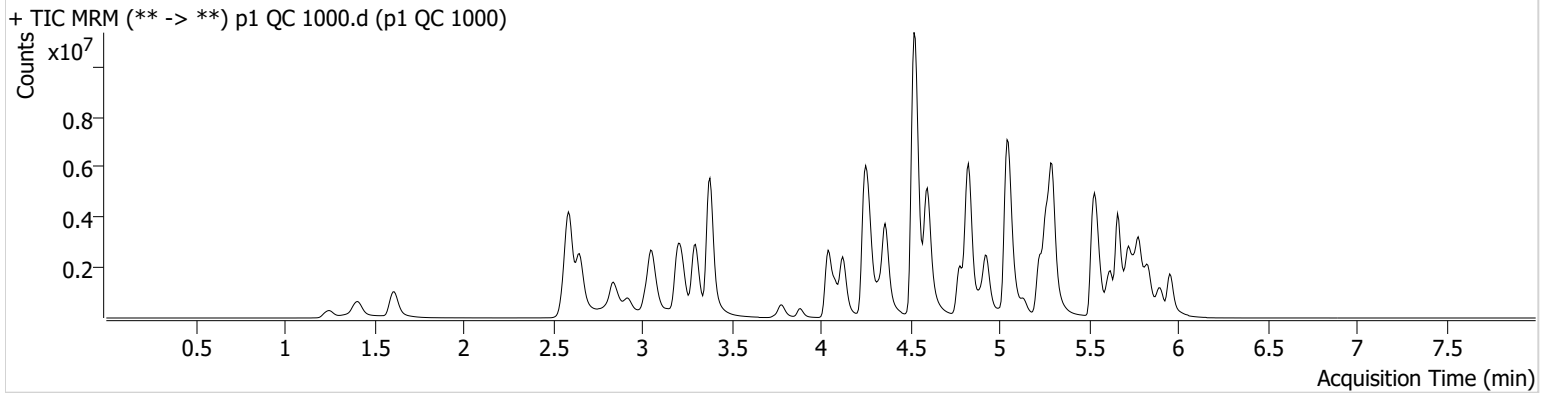


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 1000.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 1000
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-D2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/9/2022 1:25:18 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	163320	34153.18	69.7	2061.58	40245	102.5794 ng/ml
* 7-aminoclonazepam	4.249	1030020	11288.43	78.3	11361.84	77378	532.8947 ng/ml
* a-hydroxyalprazolam	5.685	348402	152.27	68.5	151.39	106443	505.8230 ng/ml
alpha-PHP	4.929	1631465	3376.44	262.1	2685.21	216600	1155.2265 ng/ml
alpha-PVP	4.361	6060103	2755.46	51.2	94205.32	216600	1034.3110 ng/ml
Alprazolam	5.776	3100294	1264.33	105.5	675.02	106443	982.5794 ng/ml
* Amphetamine	3.058	5211426	1873.43	46.8	40658.29	96626	716.0503 ng/ml
Benzoylcegonine	3.884	405847	2781.45	8.2	419.60	11311	1098.8485 ng/ml
Buprenorphine	5.670	68949	66744.46	15.9	25591.00	27025	95.8478 ng/ml
Bupropion	4.780	2985288	11136.85	68.2	24710.76	114700	939.6249 ng/ml
Carisoprodol	5.731	2220014	74852.25	62.2	20108.19	93812	1049.1592 ng/ml
Citalopram	5.225	3658368	53056.05	33.9	870.56	152256	1044.4175 ng/ml
Clonazepam	5.612	2314517	18140.33	34.8	38244.82	39169	889.0570 ng/ml
Clonazepam	5.556	1700938	32200.14	37.7	525421.22	39169	931.8121 ng/ml
Cocaine	4.269	4244461	112555.37	57.1	604.27	354503	1008.0224 ng/ml
* Codeine	2.587	441118	8658.43	96.1	8382.77	29375	805.9683 ng/ml
Cyclobenzaprine	5.628	1469504	3545.73	7.8	6965.72	55449	1047.4039 ng/ml
Dextromethorphan	5.275	1286317	152911.24	82.6	16715.13	54194	992.6385 ng/ml
Dextrophan	4.123	1997967	221352.72	203.6	74713.06	193205	1028.6209 ng/ml
Diazepam	5.954	2341143	∞	90.1	32074.87	110544	998.5383 ng/ml
* Dihydrocodeine	2.559	1549843	270.74	70.9	55844.57	133246	754.2744 ng/ml
Diphenhydramine	5.295	9588485	299052.31	31.4	2975.17	509880	1133.0016 ng/ml
Doxylamine	4.521	17614166	441291.45	96.0	429973.99	769636	1007.4464 ng/ml
EDDP	5.261	6002160	89111.96	39.8	41308.86	301867	1001.8002 ng/ml
Etizolam	5.820	1715211	60130.79	27.5	35574.09	39169	1128.1533 ng/ml
* Fentanyl	5.082	244900	470.56	64.5	183078.65	100037	126.6365 ng/ml
Flualprazolam	5.706	1040145	16992.86	110.8	55862.26	106443	900.2253 ng/ml
Fluoxetine	5.721	739048	17738.96	8.1	150727.63	25692	1037.9833 ng/ml
Hydrocodone	3.021	2369784	∞	38.1	∞	164629	878.5308 ng/ml
Hydromorphone	1.615	2359265	4593330.62	78.3	2749173.88	73338	996.3243 ng/ml
Ketamine	4.042	5624331	480920.31	32.8	9009.24	274245	949.8833 ng/ml
* Lamotrigine	4.285	303559	13166.27	89.9	425849.39	274245	619.9824 ng/ml
Levetiracetam	2.651	2415212	4024.16	168.0	3401.41	492842	1105.7850 ng/ml



ASX



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	<del>5.747</del>	<del>658162</del>	<del>37065.82</del>	<del>54.0</del>	<del>2853.66</del>	<del>39169</del>	<del>352.9916 ng/ml</del>
MDA	3.199	5094768	5581.43	27.3	2755.11	156160	930.4328 ng/ml
MDMA	3.299	4615870	319487.10	91.4	14649.99	48520	979.2136 ng/ml
* Meprobamate	<del>4.903</del>	<del>1604400</del>	<del>49751.61</del>	<del>27.4</del>	<del>16760.50</del>	<del>136491</del>	<del>627.5000 ng/ml</del>
Methadone	5.659	5403224	243801.75	58.4	224314.47	213363	1045.3346 ng/ml
Methamphetamine	3.227	2548787	12506.05	38.3	1078.57	128081	915.6582 ng/ml
Metoprolol	4.331	1155445	1775.08	100.4	111710.33	599888	935.3462 ng/ml
* Mirtazapine	<del>4.596</del>	<del>8799252</del>	<del>436195.18</del>	<del>51.4</del>	<del>633127.52</del>	<del>216600</del>	<del>1539.8236 ng/ml</del>
Mitragynine	5.209	1017830	699.96	36.2	1971.61	213363	884.9447 ng/ml
Morphine	1.247	376121	2179.22	28.0	963.13	5504	990.5932 ng/ml
Norbuprenorphine	4.998	11953	1494.93	92.5	∞	5266	101.4010 ng/ml
Nordiazepam	5.900	1665793	13415.71	53.5	497.20	60610	960.8284 ng/ml
Norfentanyl	4.084	1559280	160385.14	35.9	4135.84	544743	112.9801 ng/ml
* Norhydrocodone	<del>3.075</del>	<del>395525</del>	<del>833.12</del>	<del>42.0</del>	<del>∞</del>	<del>24631</del>	<del>1284.7613 ng/ml</del>
Noroxycodone	2.918	1485635	1198.57	47.1	9983.85	43975	1007.9864 ng/ml
O-desmethyl-tramadol	3.379	14648615	264542.52	5.8	26165.77	699100	1046.0880 ng/ml
Oxazepam	5.750	921333	20150.99	72.1	11964.98	58733	958.3543 ng/ml
Oxycodone	2.829	4159787	696.19	30.7	2405.36	201840	862.3509 ng/ml
Oxymorphone	1.405	2158065	∞	47.5	292.19	66702	1030.1109 ng/ml
* Phentermine	<del>3.780</del>	<del>1487723</del>	<del>2105.13</del>	<del>4.8</del>	<del>1302.85</del>	<del>221534</del>	<del>838.5796 ng/ml</del>
Promethazine	5.538	3514223	338451.37	29.9	∞	140423	1053.9205 ng/ml
Pseudoephedrine	2.590	11284576	114469.52	16.3	49083.03	492842	1089.5104 ng/ml
Quetiapine	5.521	6049104	417272.09	59.6	791.06	96637	889.7340 ng/ml
Sertraline	5.790	319436	7757.54	92.9	329.49	13547	967.7514 ng/ml
Temazepam	5.831	2946688	43038.74	25.3	7050.74	143537	986.3881 ng/ml
Tramadol	4.244	11920685	∞	3.2	884.52	599888	957.2403 ng/ml
* Trazodone	<del>5.046</del>	<del>4492032</del>	<del>122350.01</del>	<del>82.0</del>	<del>201876.52</del>	<del>302720</del>	<del>684.7659 ng/ml</del>
Venlafaxine	5.043	10799013	391639.98	29.3	26264.53	504534	1090.1125 ng/ml
Zolpidem	4.825	13678982	35279.98	27.4	147429.98	692712	969.4703 ng/ml

\*Outside curve range

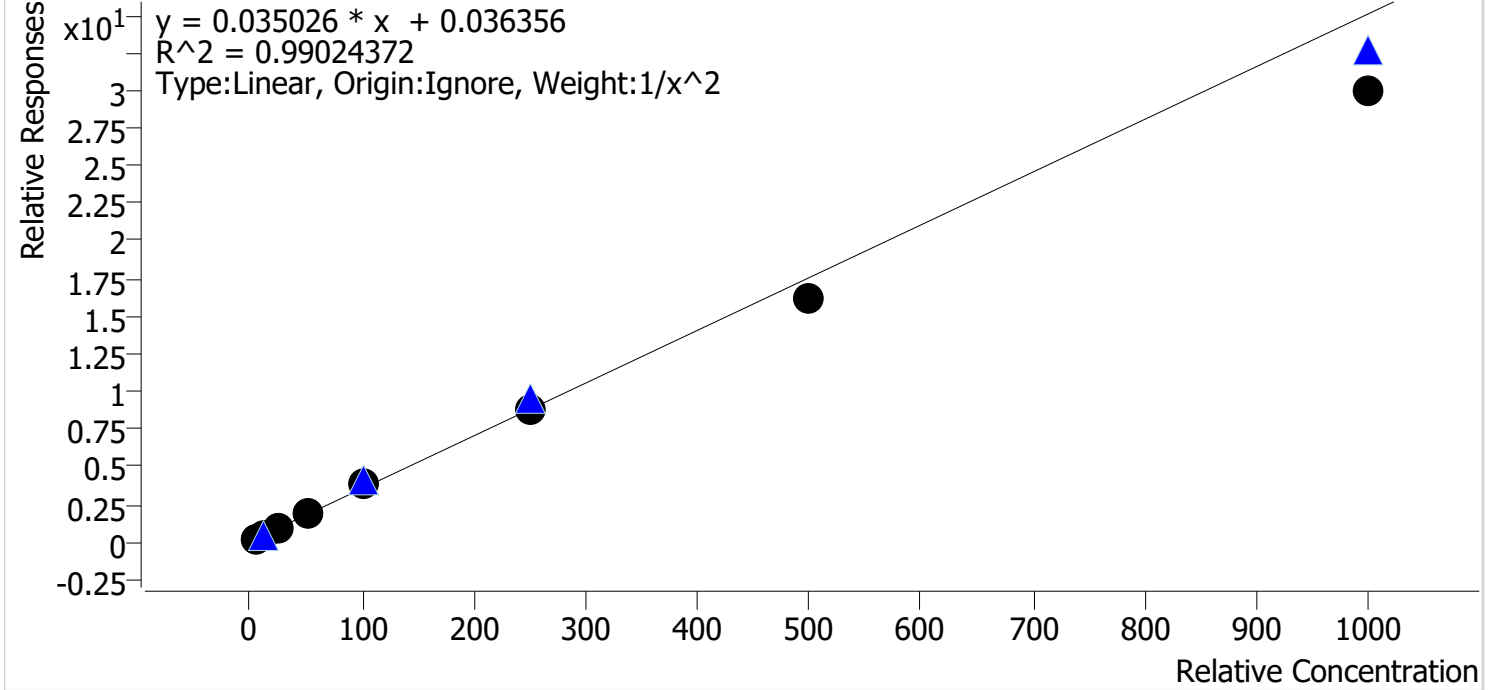
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	27.5	110.2
p1 Cal 4-50ng	4	✓	50.0	54.5	109.1
p1 Cal 5-100ng	5	✓	100.0	106.5	106.5
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	463.7	92.7
p1 Cal 8-1000ng	8	✓	1000.0	851.8	85.2

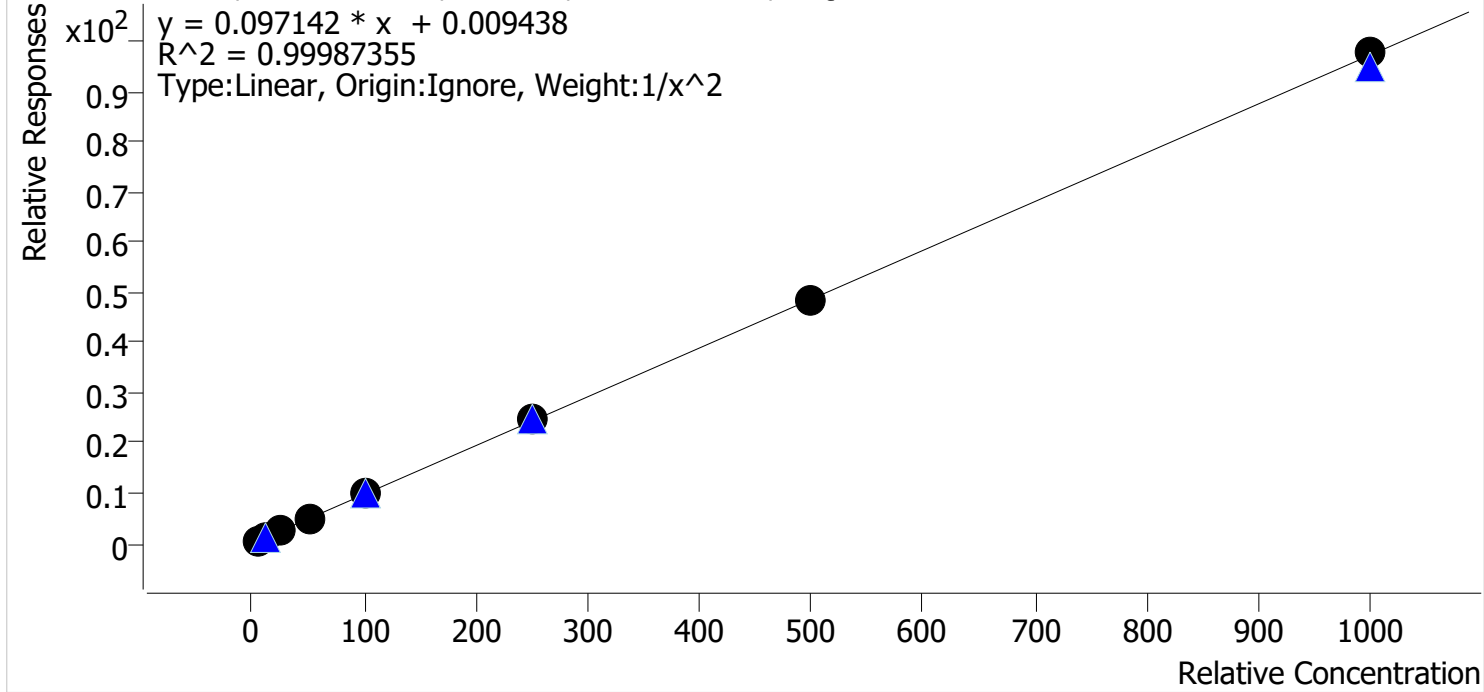
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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



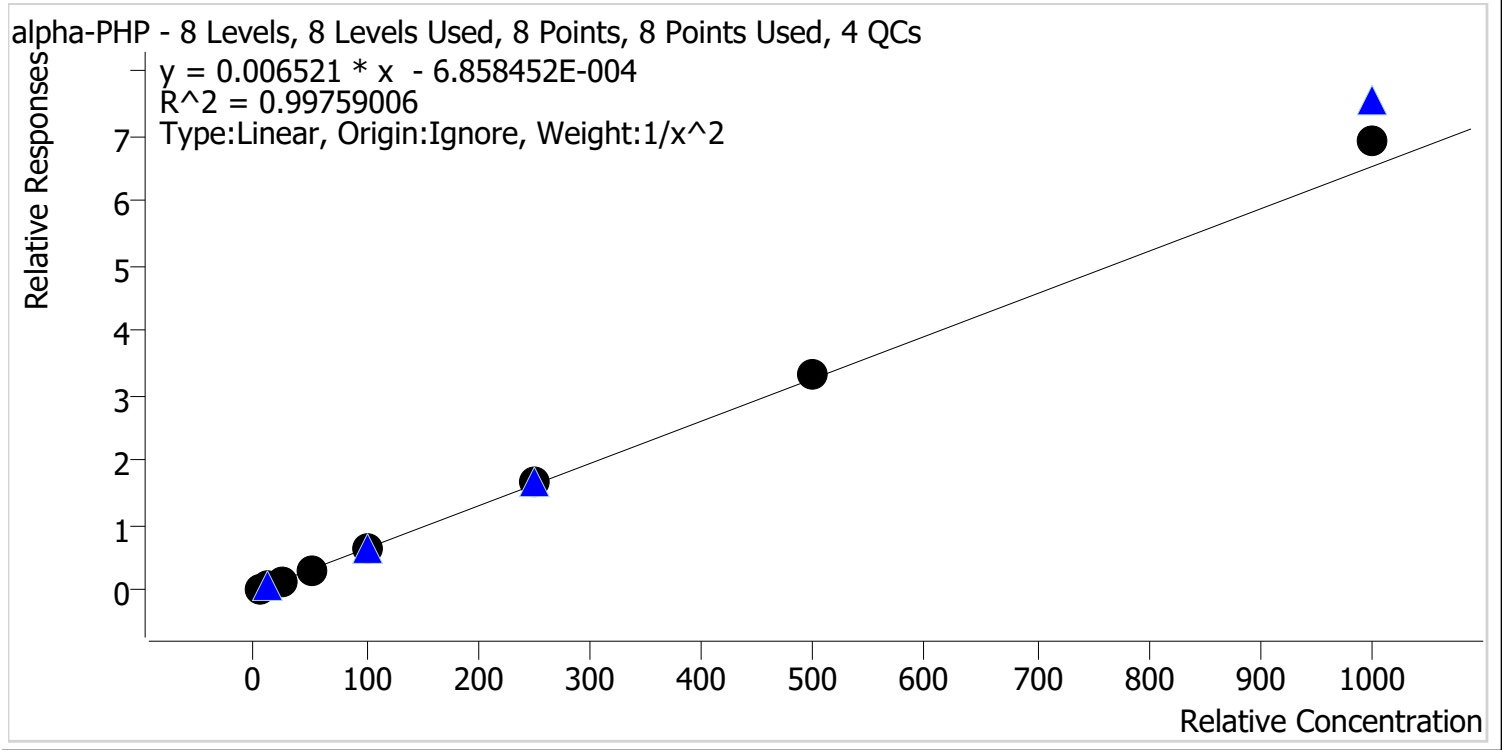
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1005.2	100.5

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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.0
p1 Cal 2-10ng	2	✓	10.0	9.3	93.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	257.8	103.1
p1 Cal 7-500ng	7	✓	500.0	509.0	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1057.1	105.7

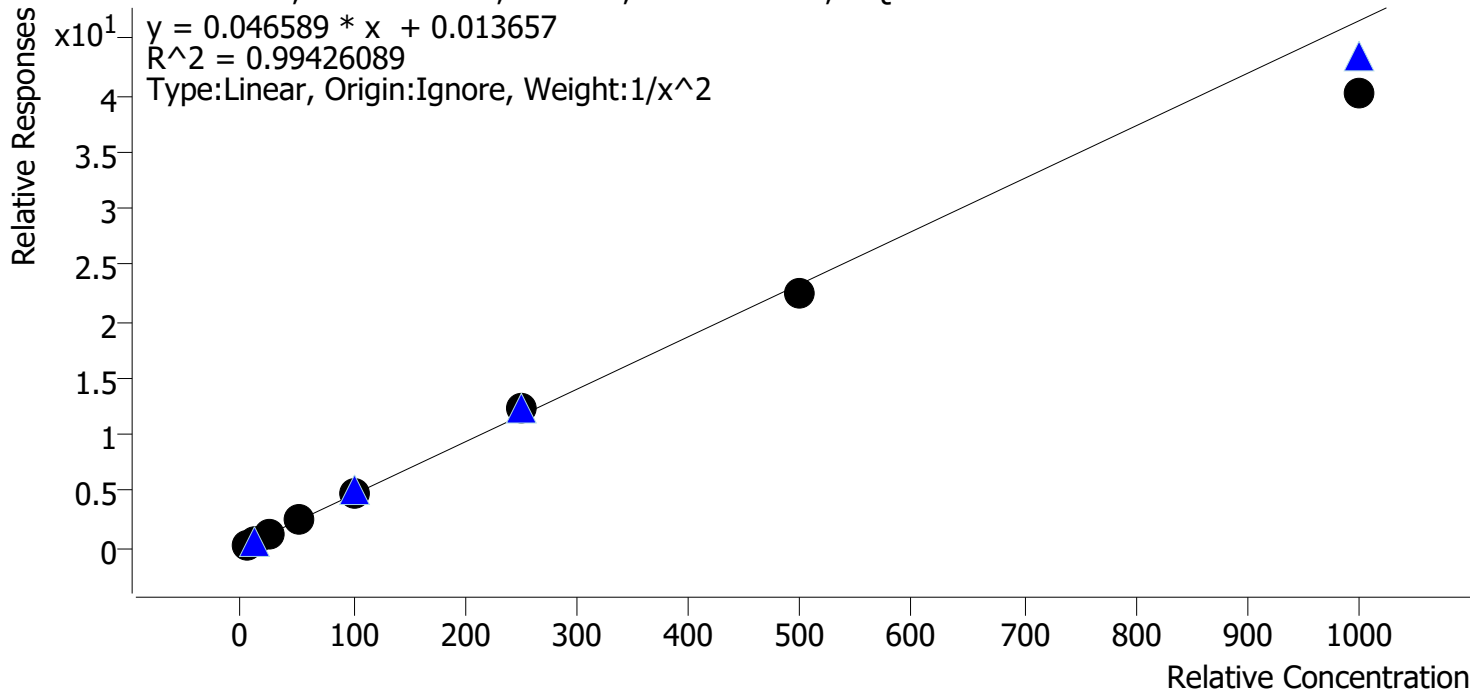
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	261.4	104.5
p1 Cal 7-500ng	7	✓	500.0	481.8	96.4
p1 Cal 8-1000ng	8	✓	1000.0	861.8	86.2

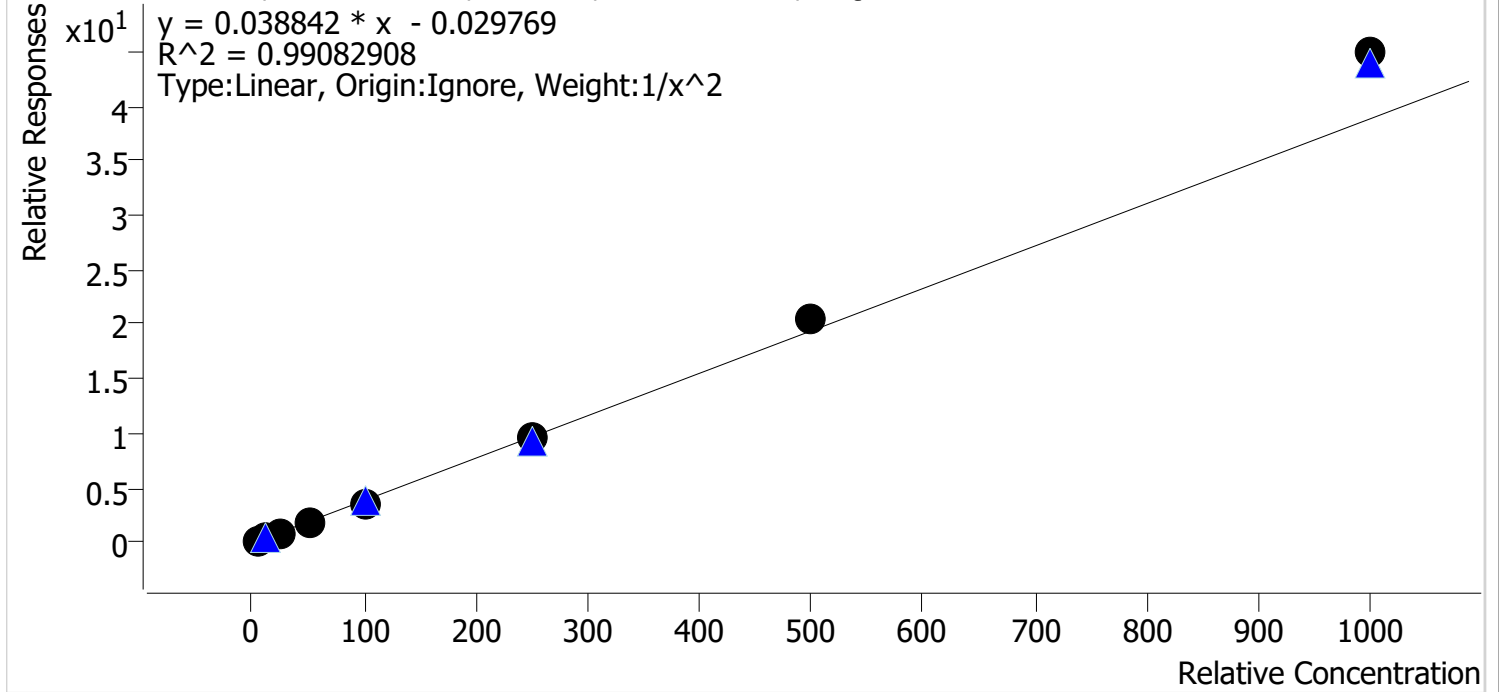
AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



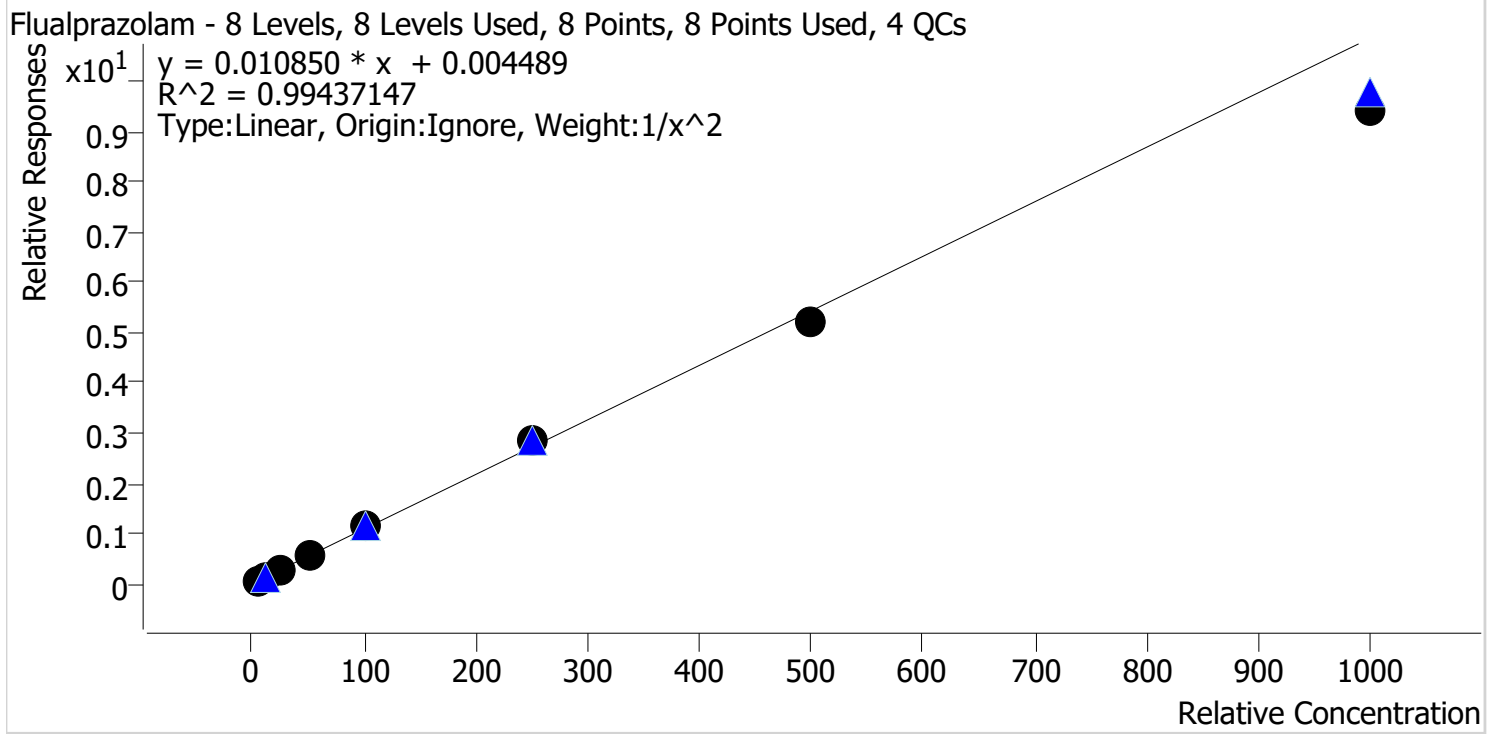
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.7
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.1
p1 Cal 4-50ng	4	✓	50.0	46.4	92.8
p1 Cal 5-100ng	5	✓	100.0	94.6	94.6
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	532.5	106.5
p1 Cal 8-1000ng	8	✓	1000.0	1156.1	115.6

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	259.8	103.9
p1 Cal 7-500ng	7	✓	500.0	478.2	95.6
p1 Cal 8-1000ng	8	✓	1000.0	865.3	86.5

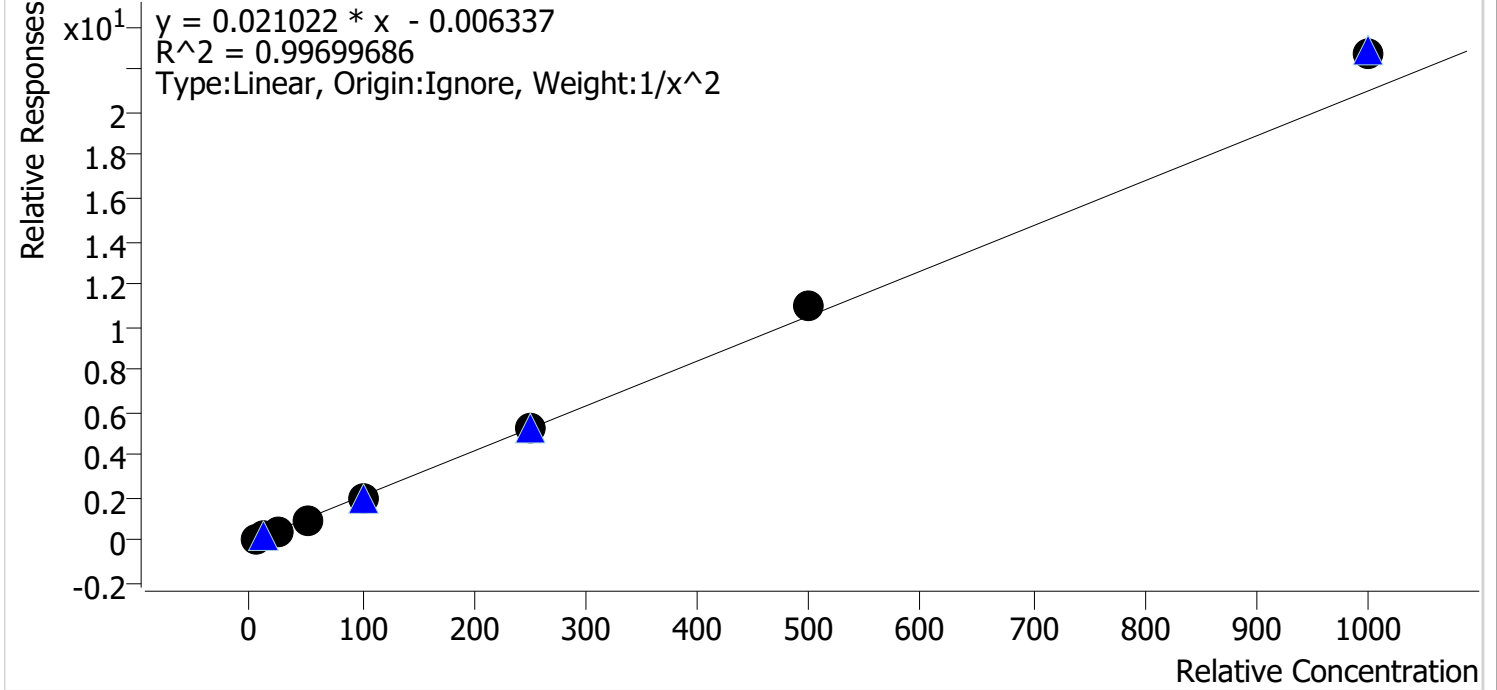
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	47.7	95.5
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	523.4	104.7
p1 Cal 8-1000ng	8	✓	1000.0	1083.9	108.4



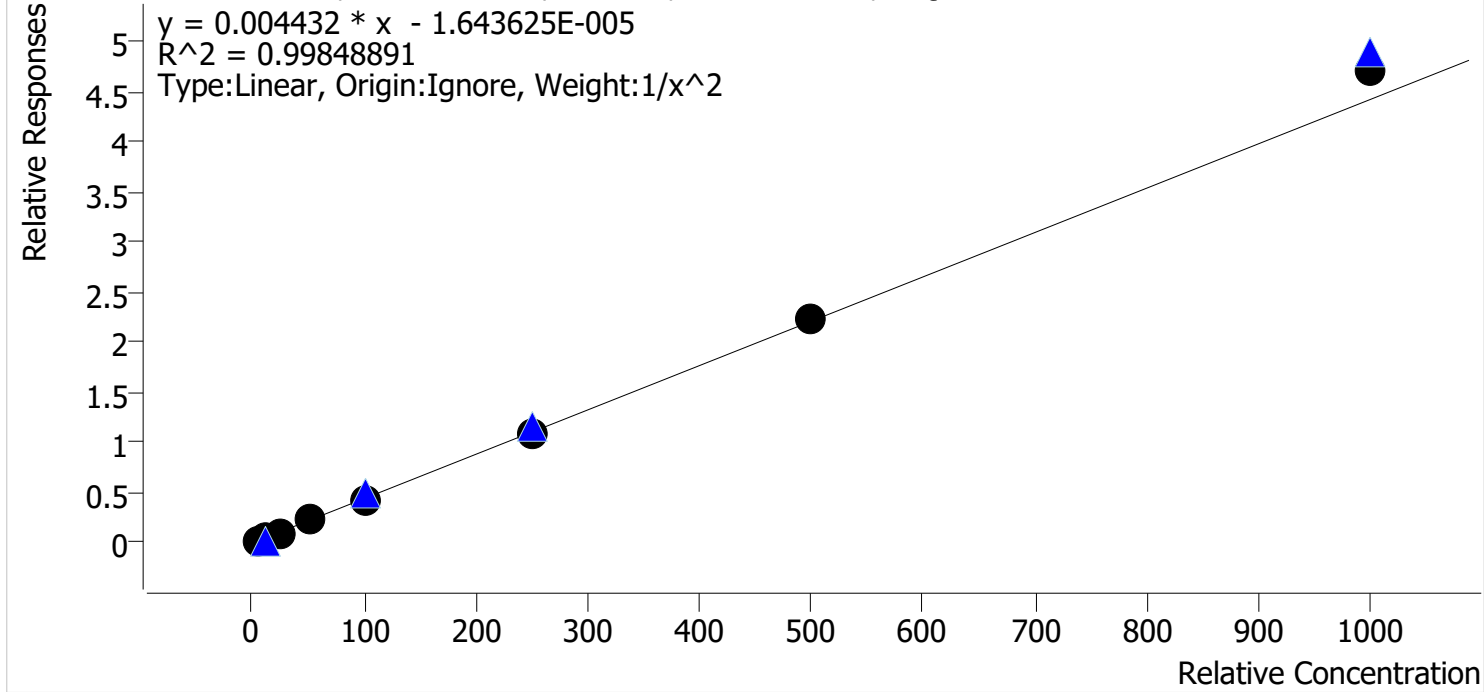
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	505.8	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1063.7	106.4

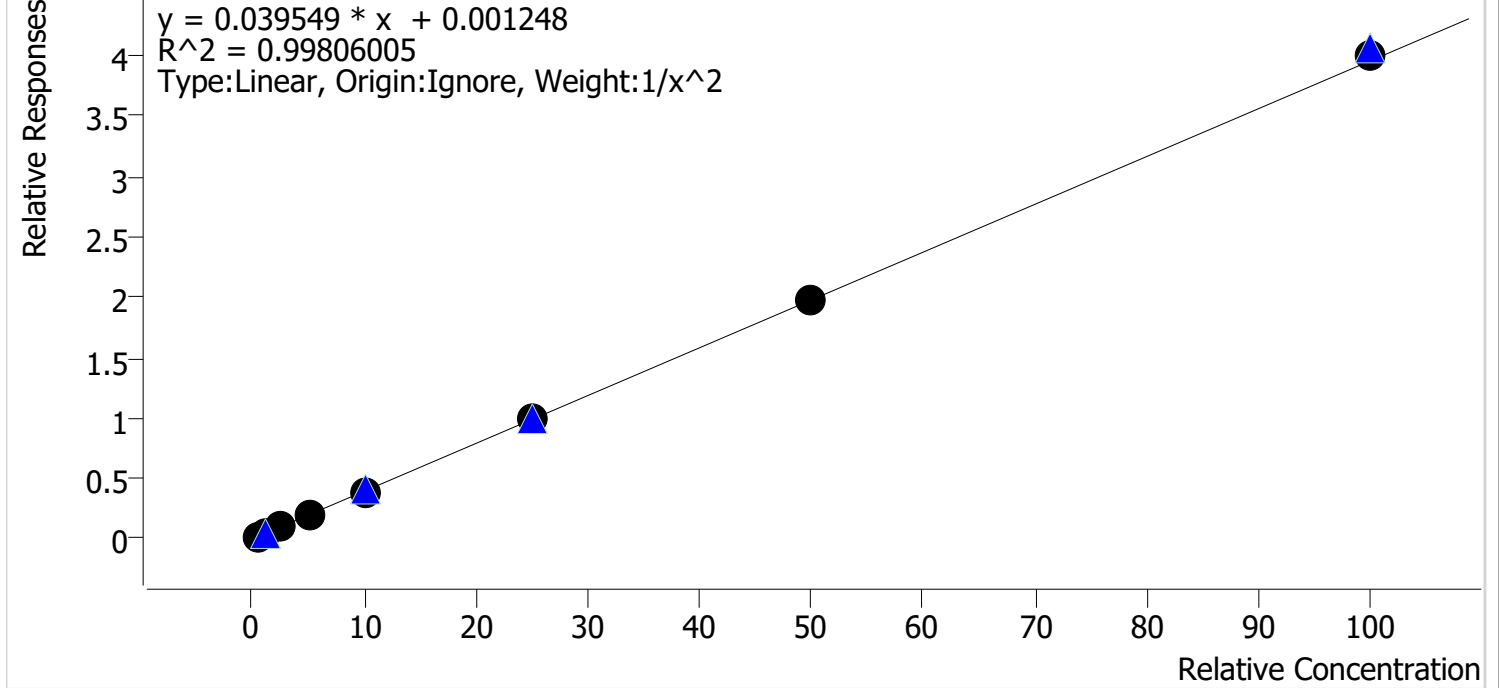
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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



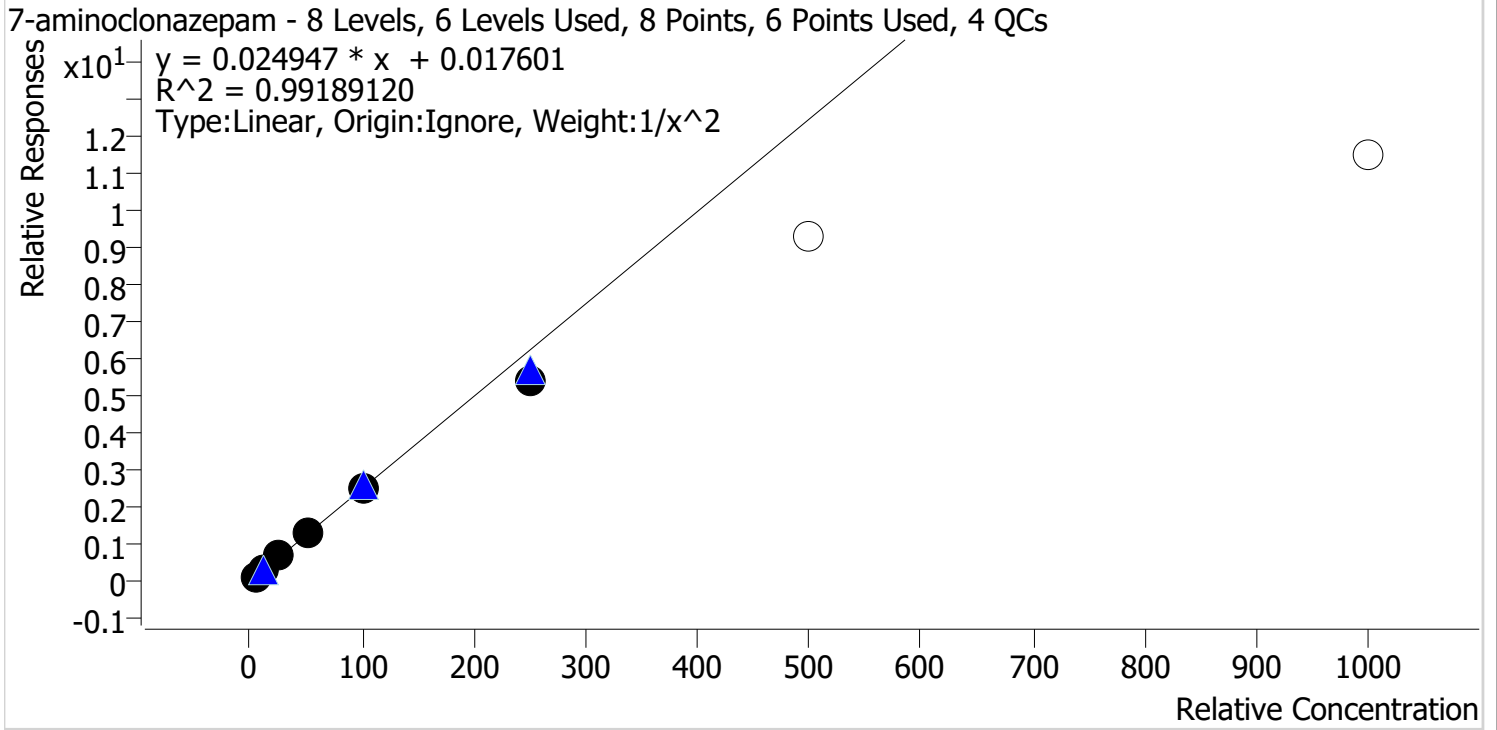
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.0
p1 Cal 2-10ng	2	✓	1.0	1.1	107.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.0
p1 Cal 4-50ng	4	✓	5.0	5.1	101.8
p1 Cal 5-100ng	5	✓	10.0	9.8	98.1
p1 Cal 6-250ng	6	✓	25.0	24.9	99.7
p1 Cal 7-500ng	7	✓	50.0	49.9	99.8
p1 Cal 8-1000ng	8	✓	100.0	100.8	100.8

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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	217.8	87.1
p1 Cal 7-500ng	7	x	500.0	373.5	74.7
p1 Cal 8-1000ng	8	x	1000.0	460.0	46.0

Cal 7 and 8 dropped due to accuracy  
Qualitative only

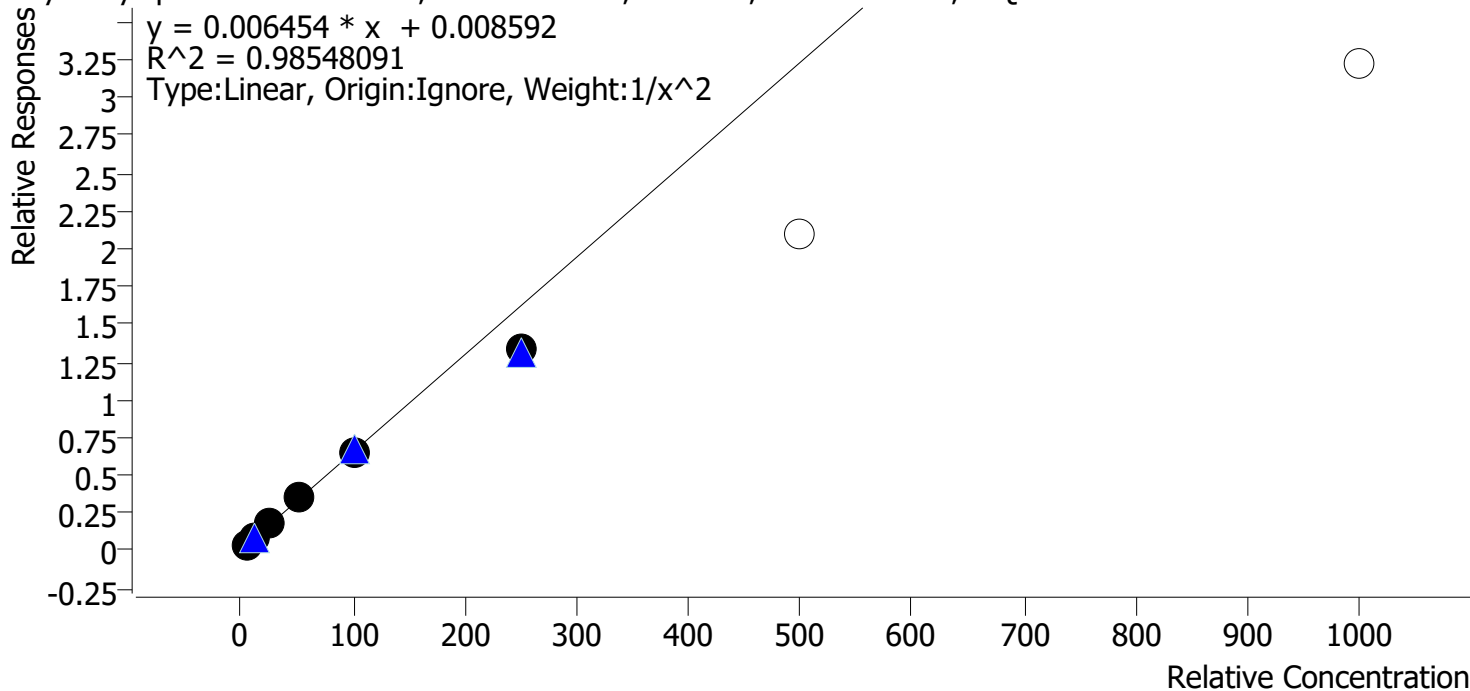
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5

a-hydroxyalprazolam - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.0
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	206.0	82.4
p1 Cal 7-500ng	7	x	500.0	322.2	64.4
p1 Cal 8-1000ng	8	x	1000.0	500.6	50.1

Cal 7 and 8 dropped due to accuracy

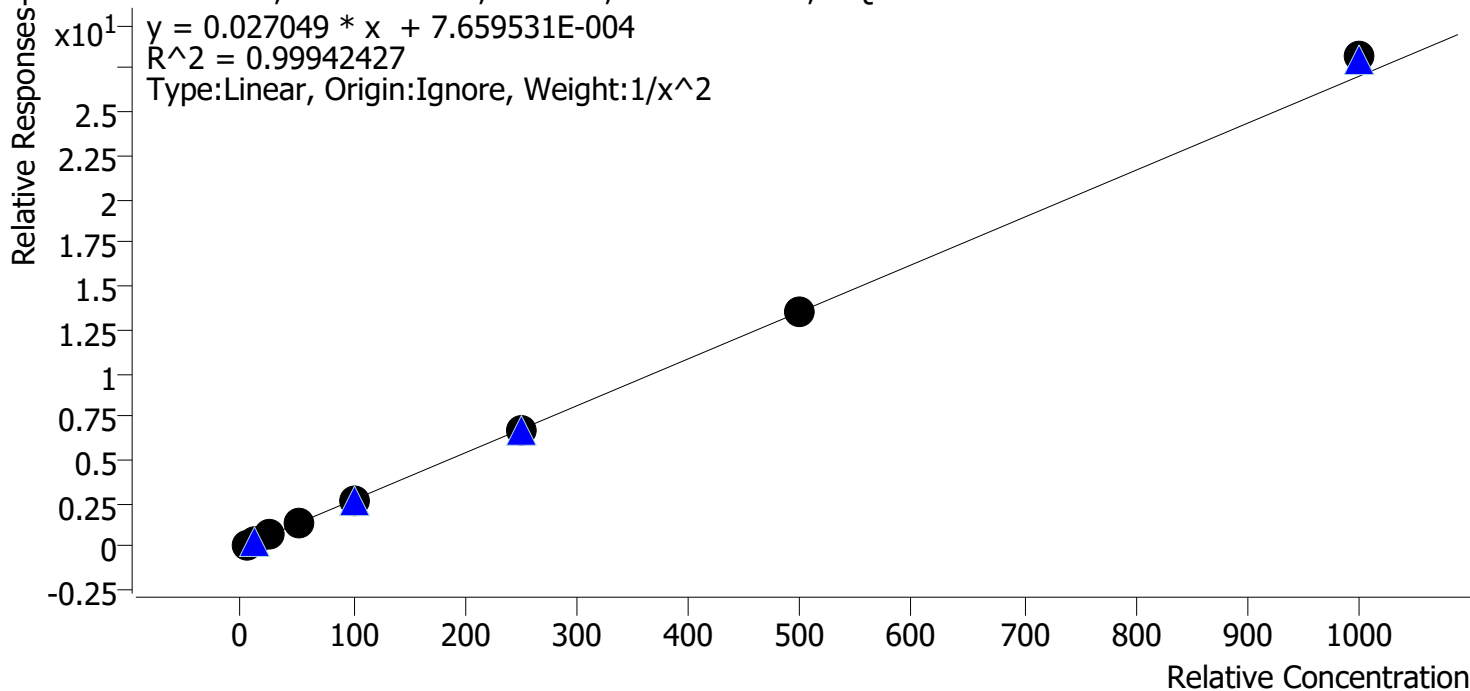
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	250.4	100.1
p1 Cal 7-500ng	7	✓	500.0	503.4	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1041.6	104.2

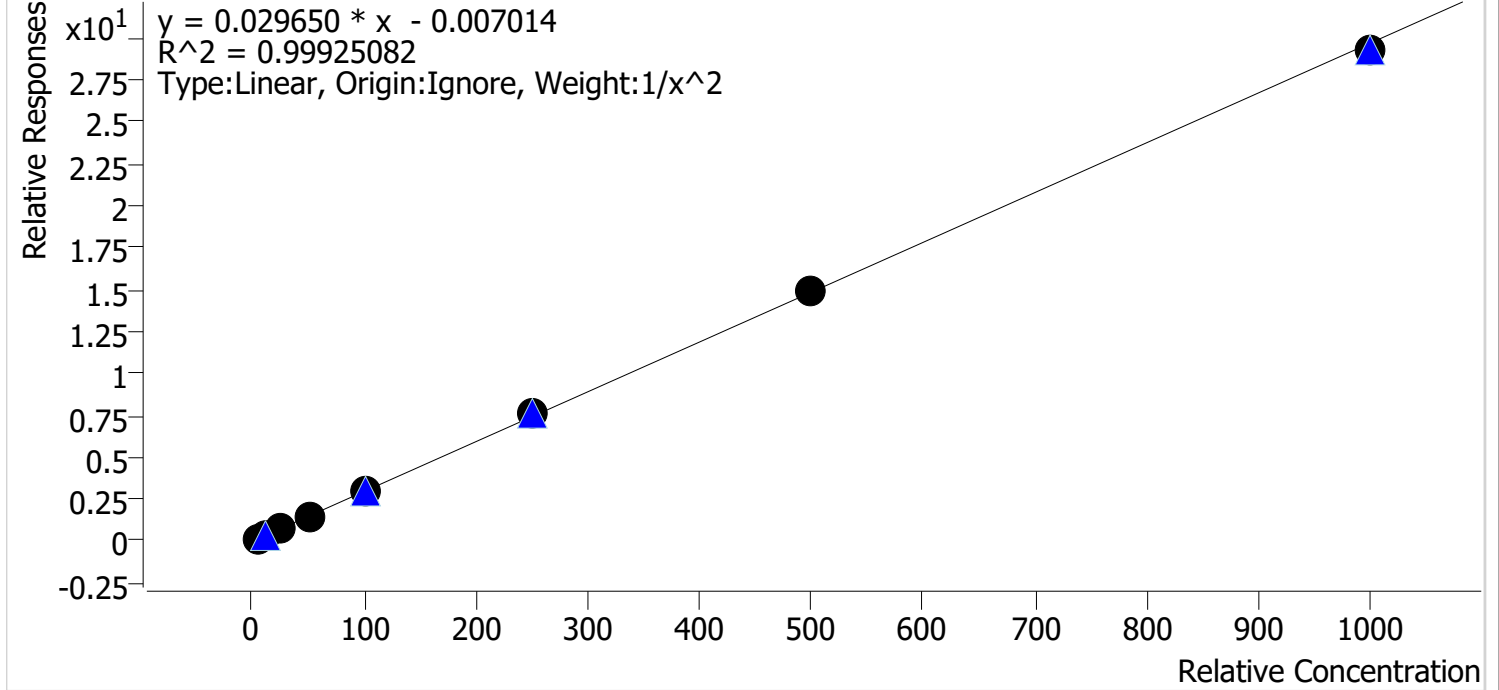
AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	258.8	103.5
p1 Cal 7-500ng	7	✓	500.0	502.5	100.5
p1 Cal 8-1000ng	8	✓	1000.0	985.0	98.5

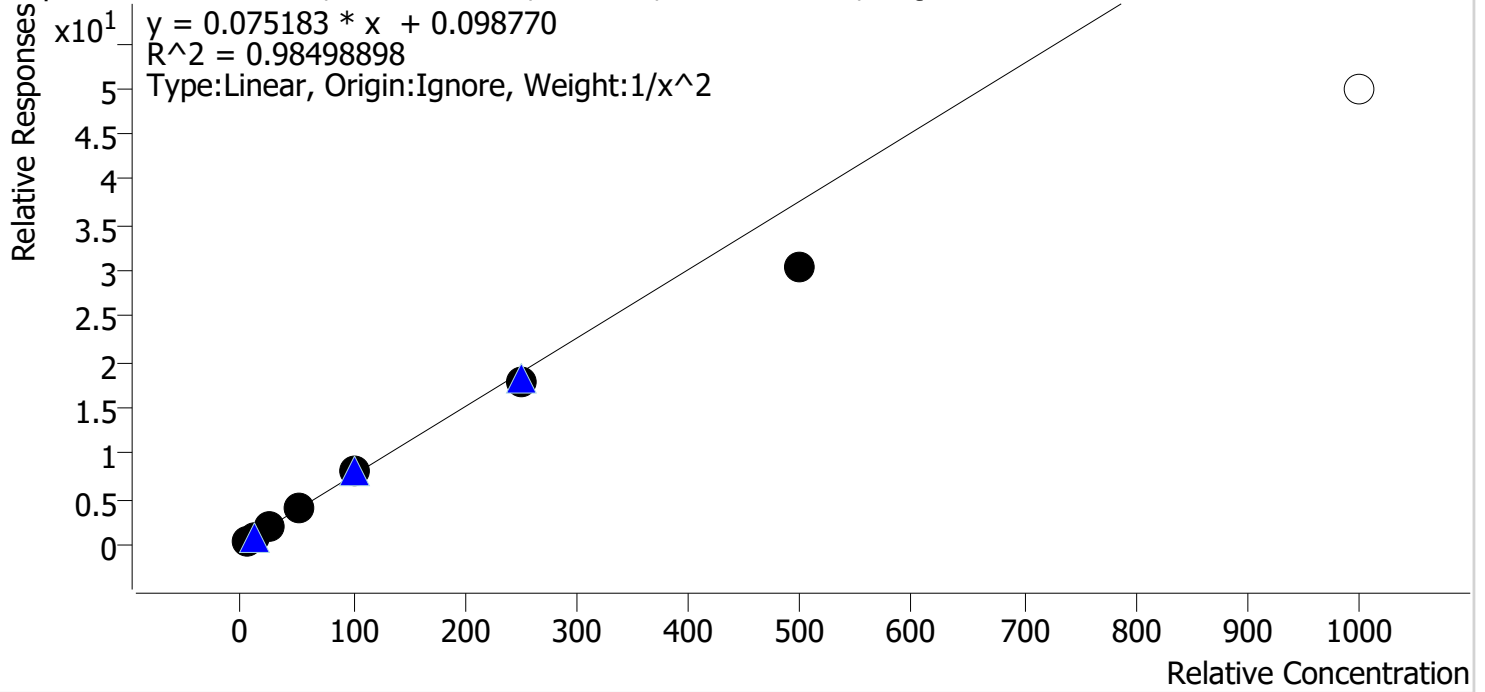
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.9
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	234.4	93.8
p1 Cal 7-500ng	7	✓	500.0	406.3	81.3
p1 Cal 8-1000ng	8	x	1000.0	663.1	66.3

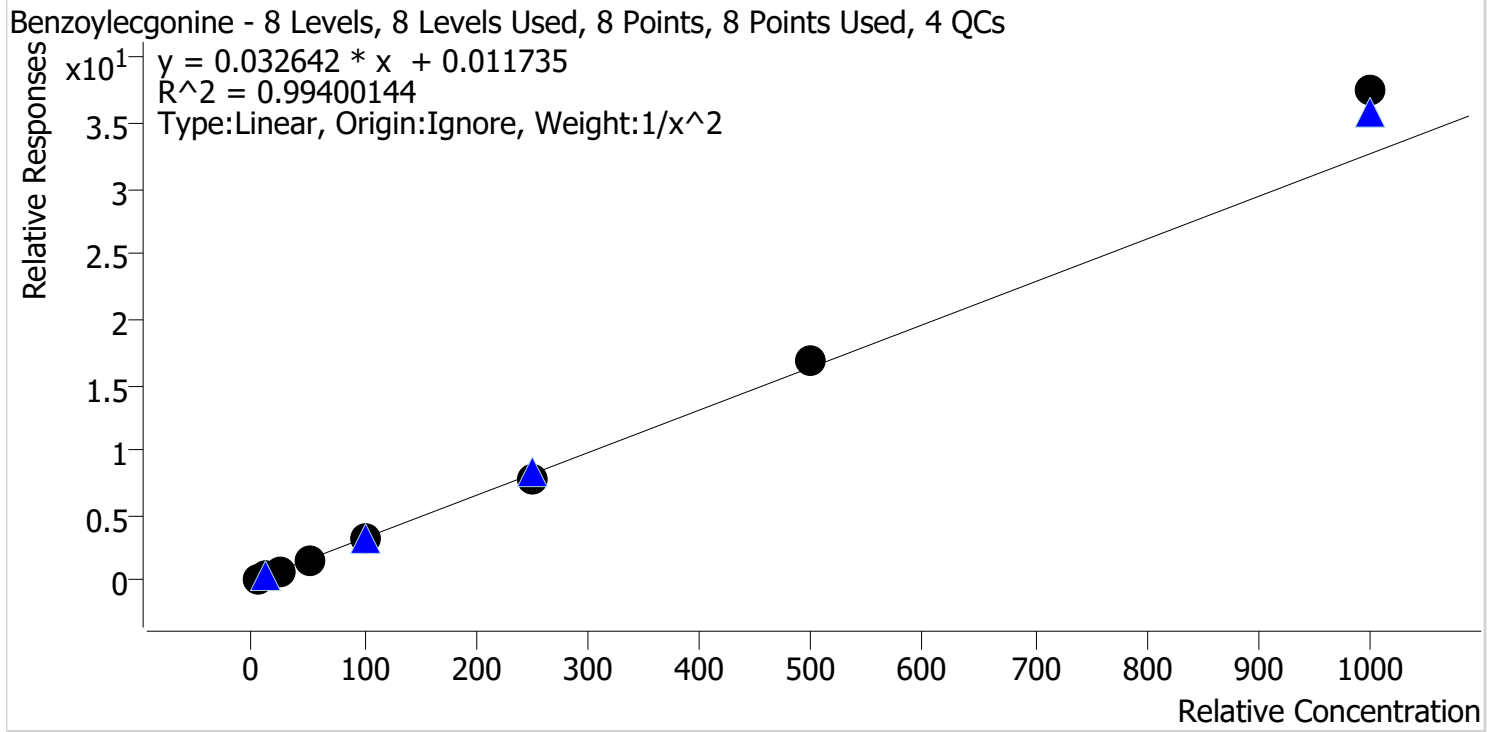
Cal 8 dropped due to accuracy

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	47.4	94.8
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	240.7	96.3
p1 Cal 7-500ng	7	✓	500.0	512.3	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1147.8	114.8

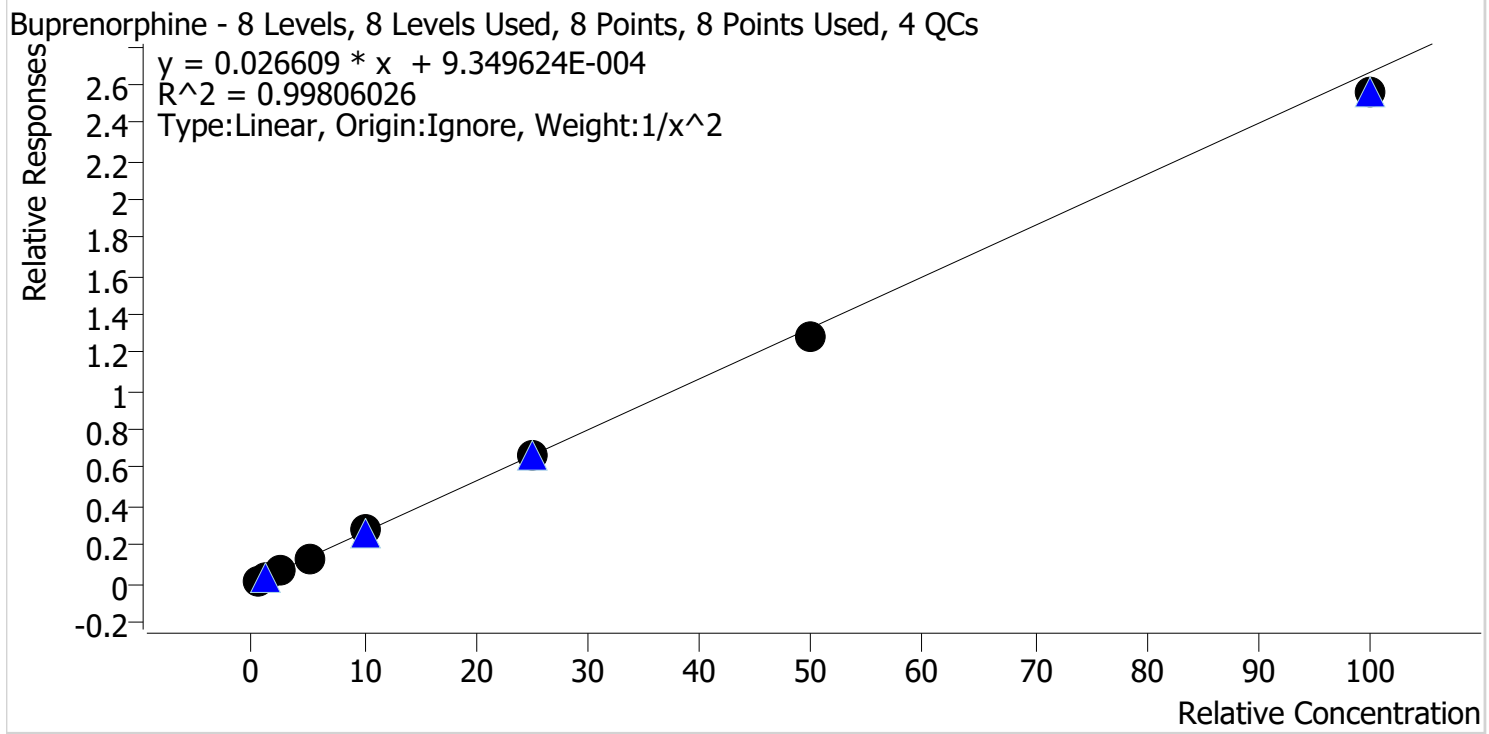


AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



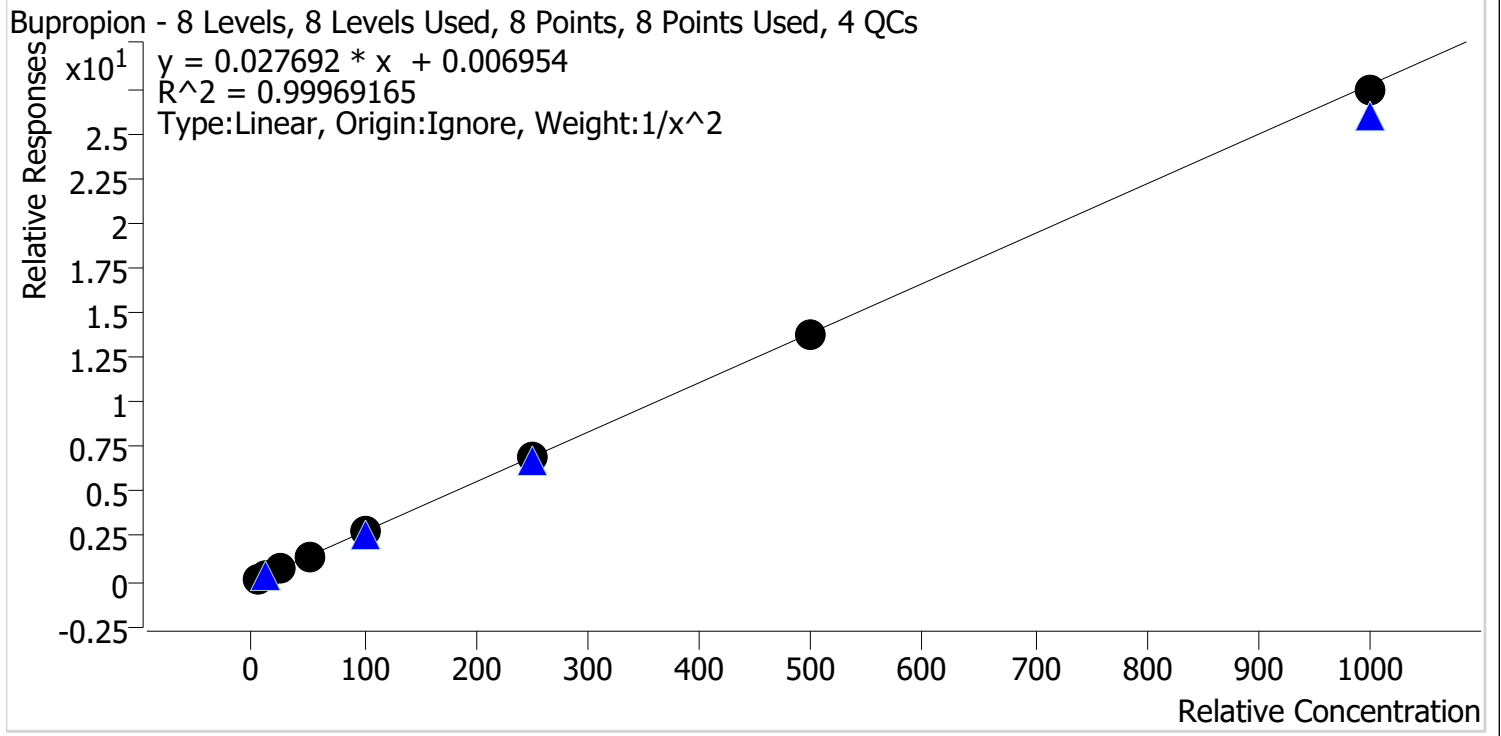
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.6
p1 Cal 2-10ng	2	✓	1.0	1.0	102.7
p1 Cal 3 -25ng	3	✓	2.5	2.7	106.5
p1 Cal 4-50ng	4	✓	5.0	4.8	96.5
p1 Cal 5-100ng	5	✓	10.0	10.3	102.9
p1 Cal 6-250ng	6	✓	25.0	25.3	101.0
p1 Cal 7-500ng	7	✓	50.0	48.4	96.8
p1 Cal 8-1000ng	8	✓	100.0	96.0	96.0

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



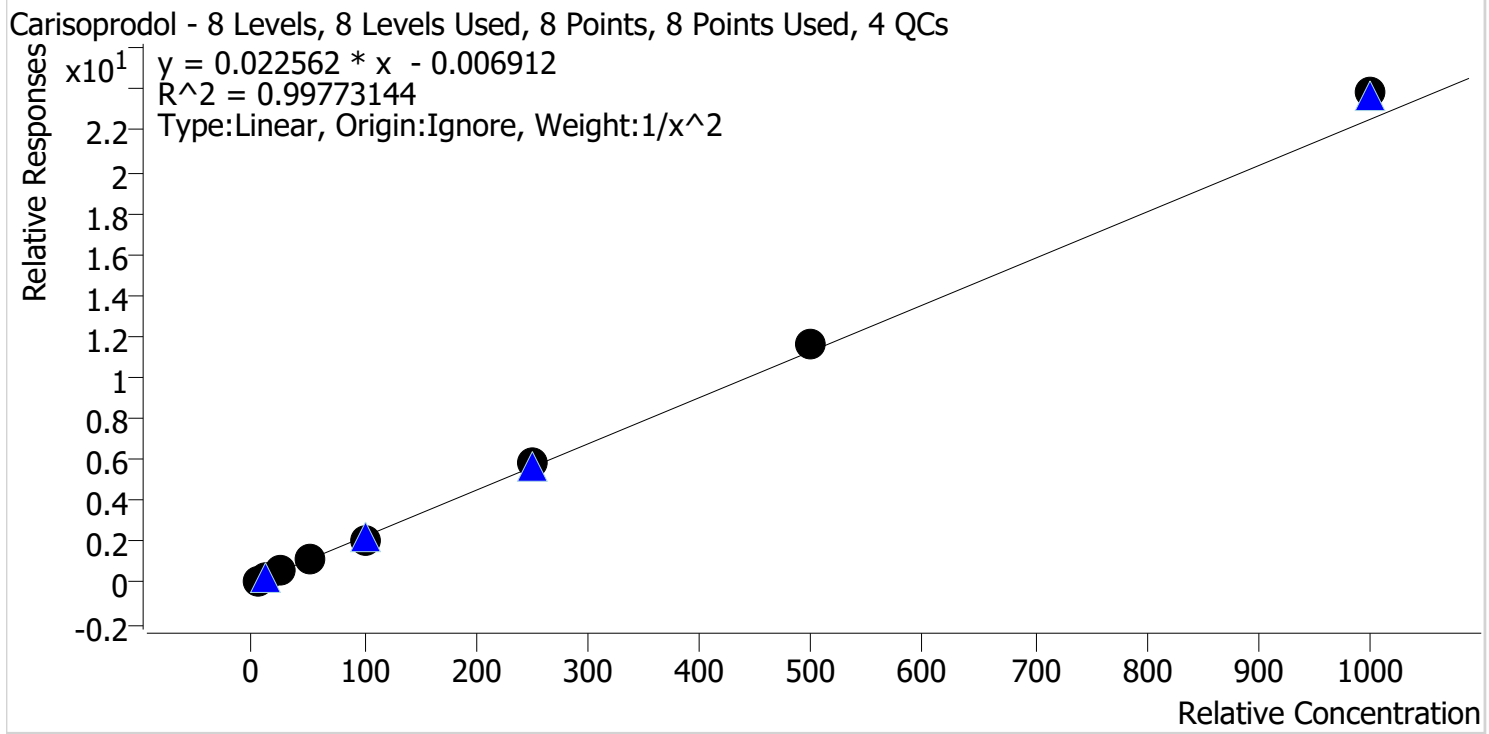
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	493.5	98.7
p1 Cal 8-1000ng	8	✓	1000.0	988.0	98.8

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	47.7	95.5
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	517.1	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1057.7	105.8

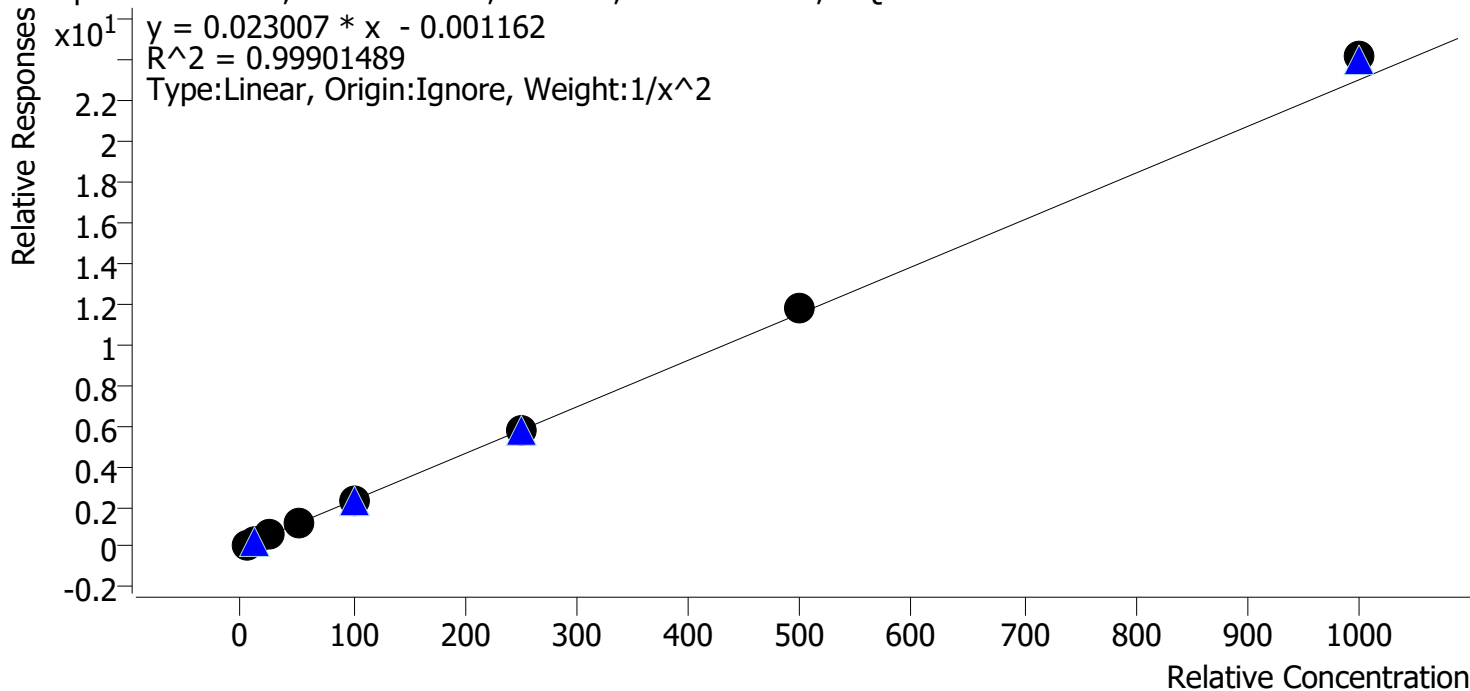
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



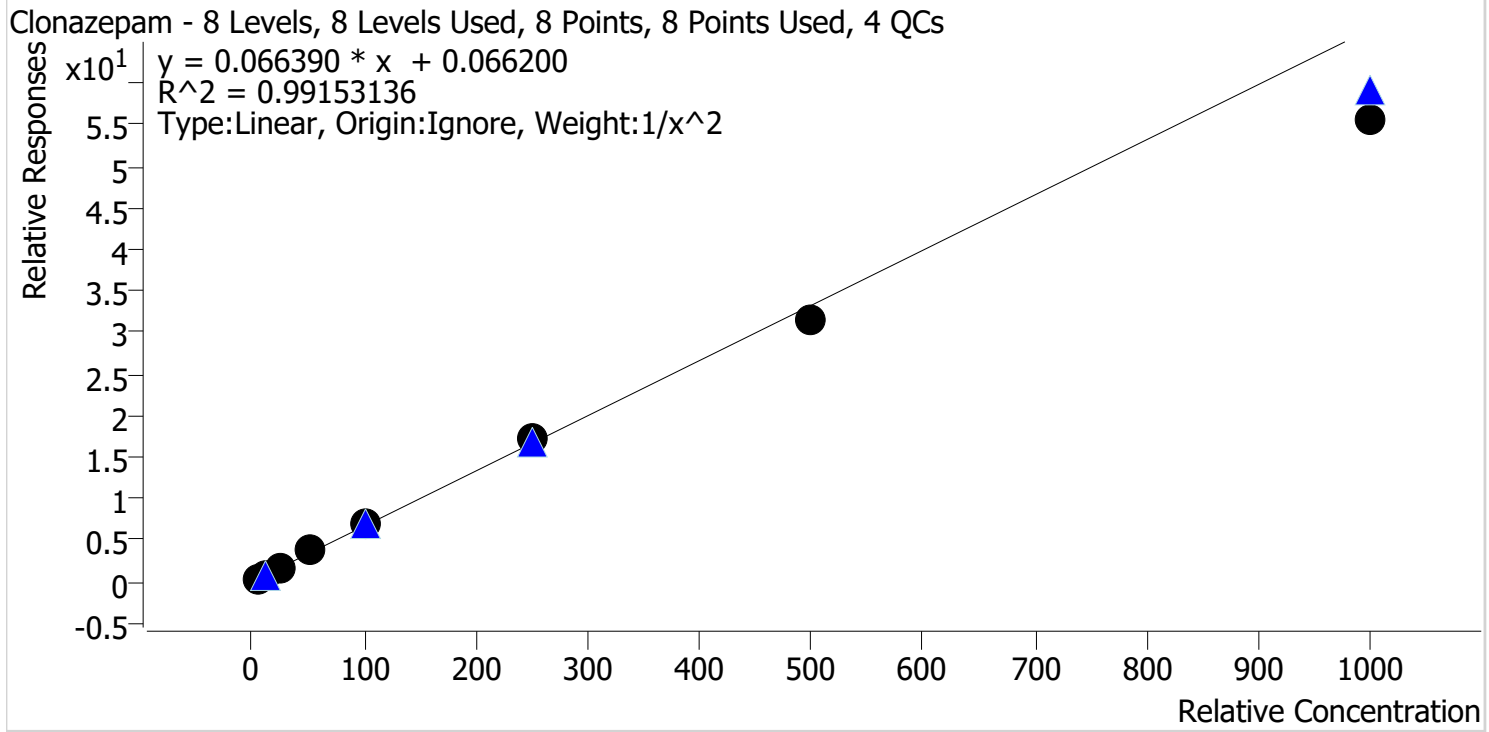
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.9	97.7
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	511.1	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1049.6	105.0

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.2
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	475.3	95.1
p1 Cal 8-1000ng	8	✓	1000.0	838.7	83.9

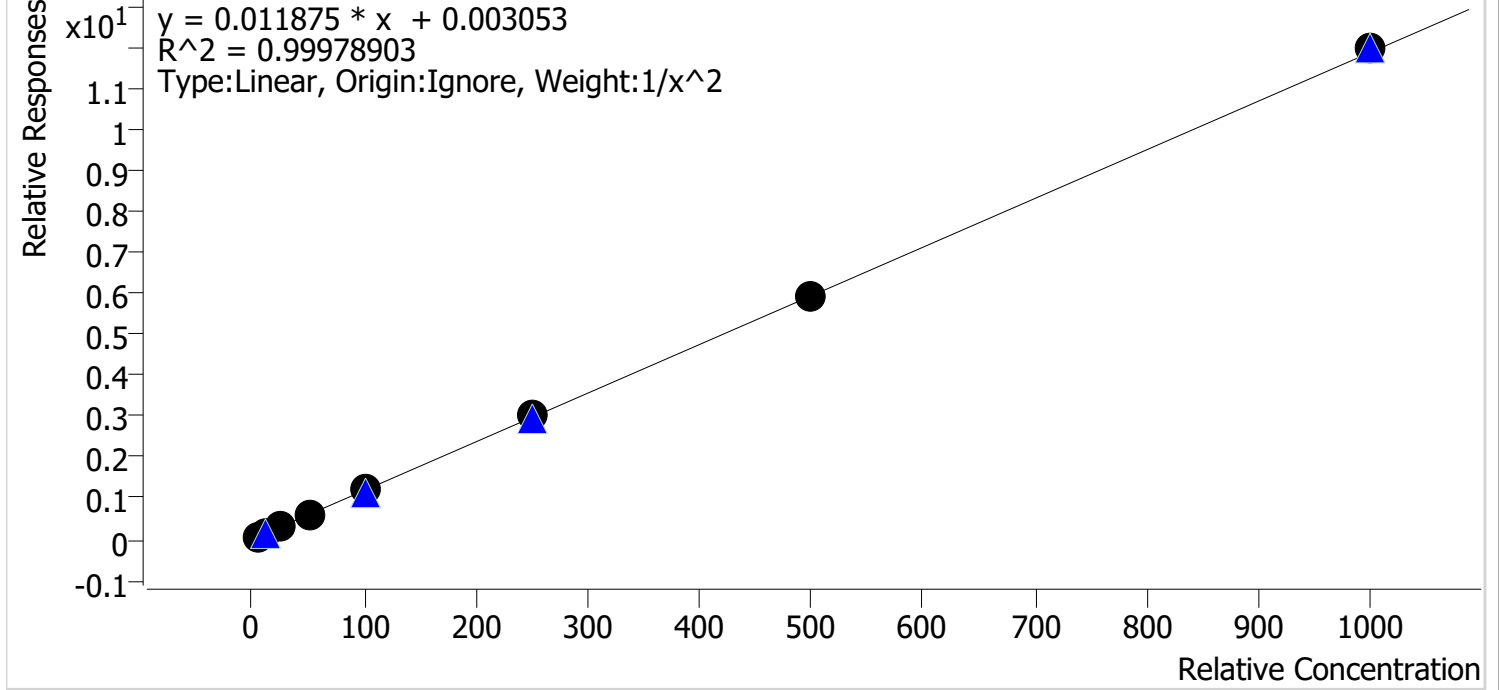
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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



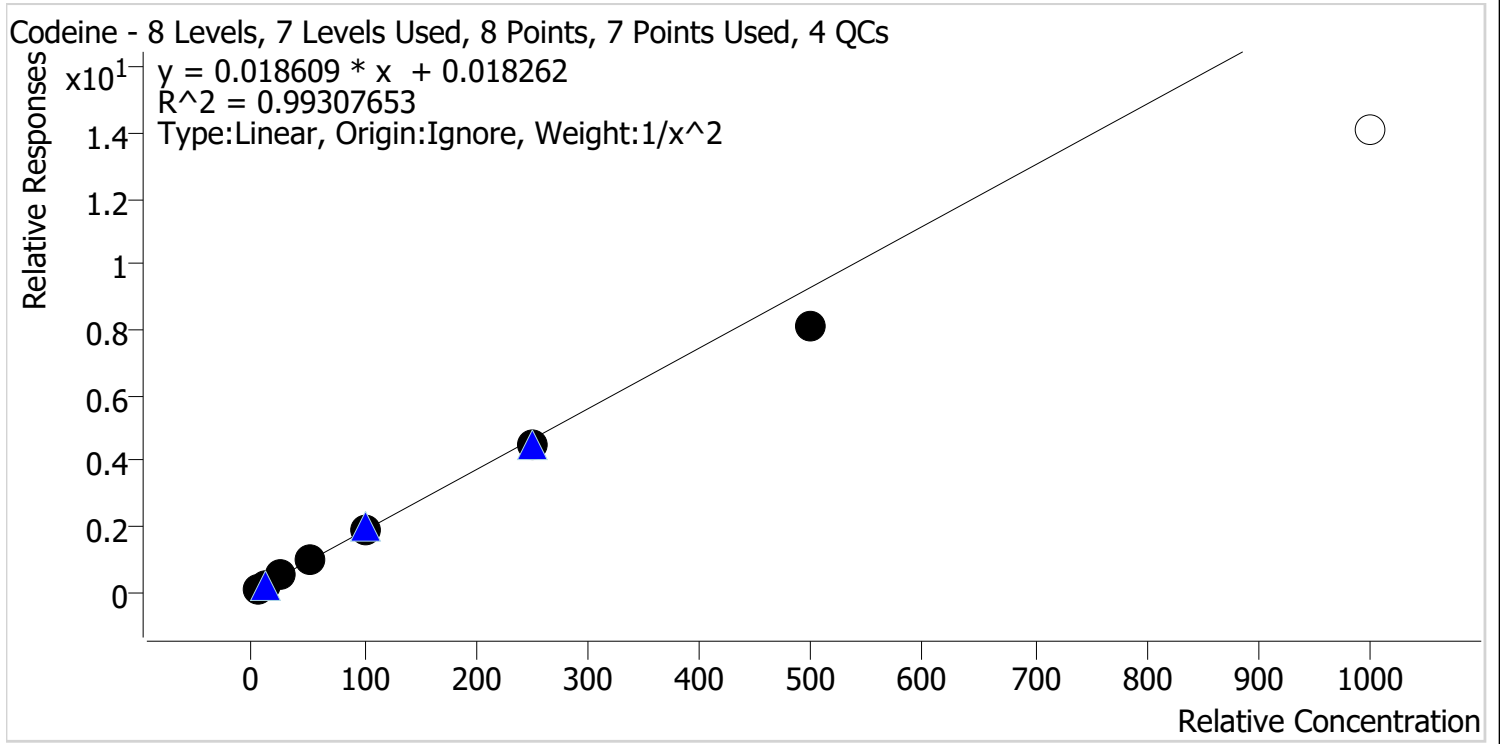
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1005.8	100.6

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	241.3	96.5
p1 Cal 7-500ng	7	✓	500.0	435.7	87.1
p1 Cal 8-1000ng	8	✗	1000.0	758.2	75.8

Cal 8 dropped due to accuracy

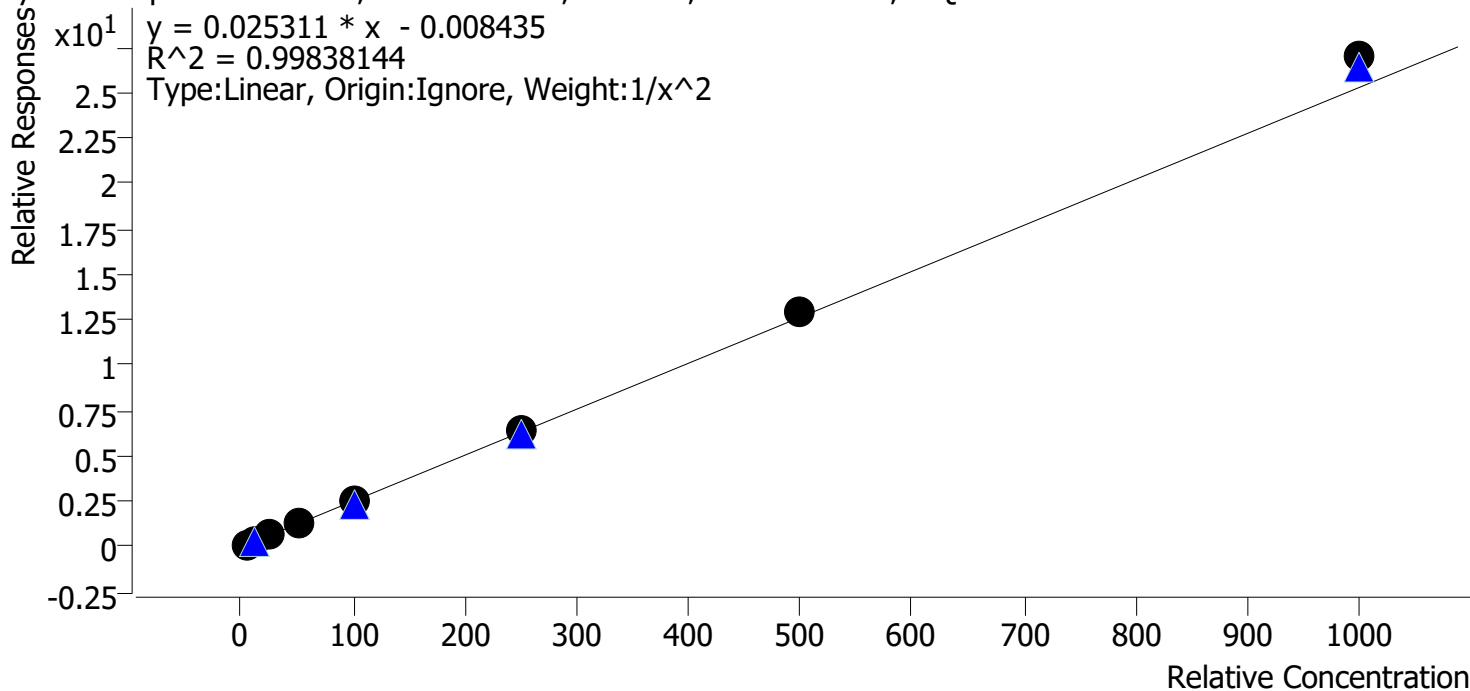
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	509.7	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1067.2	106.7



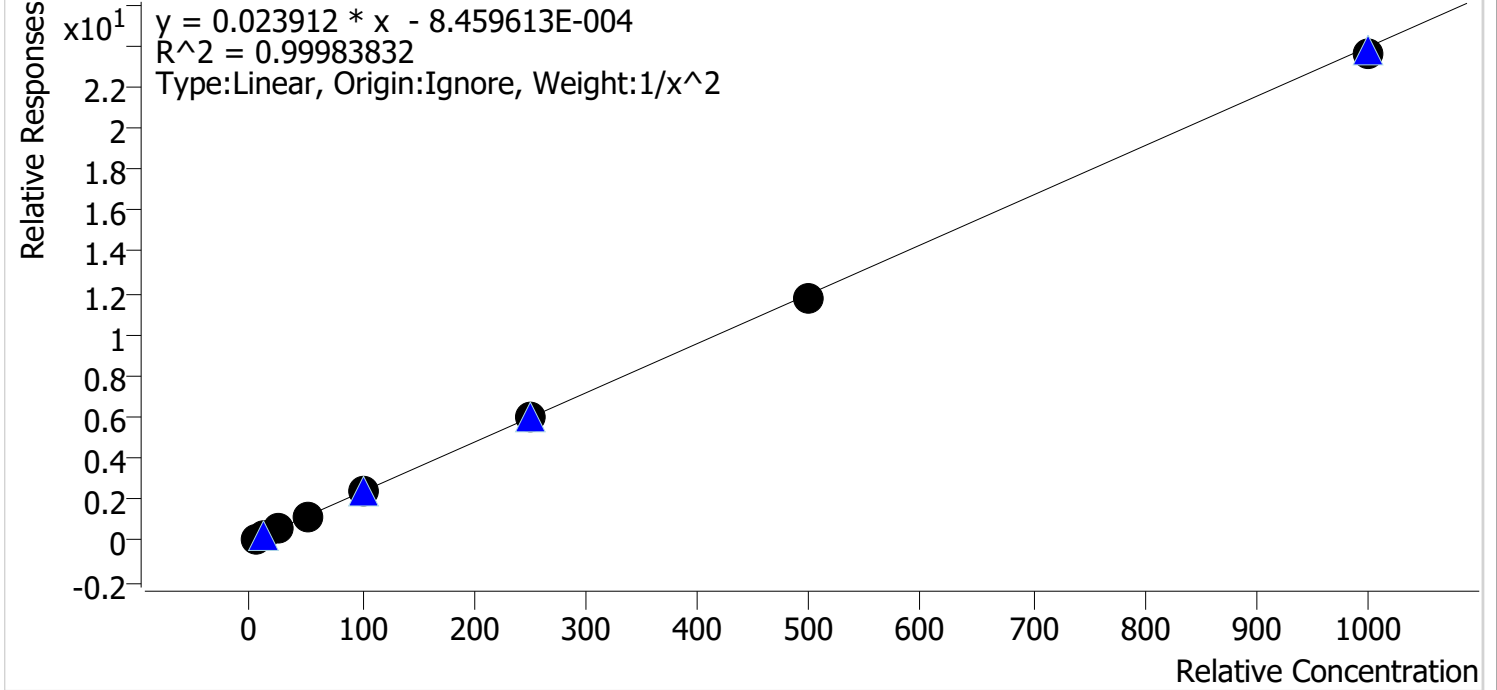
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



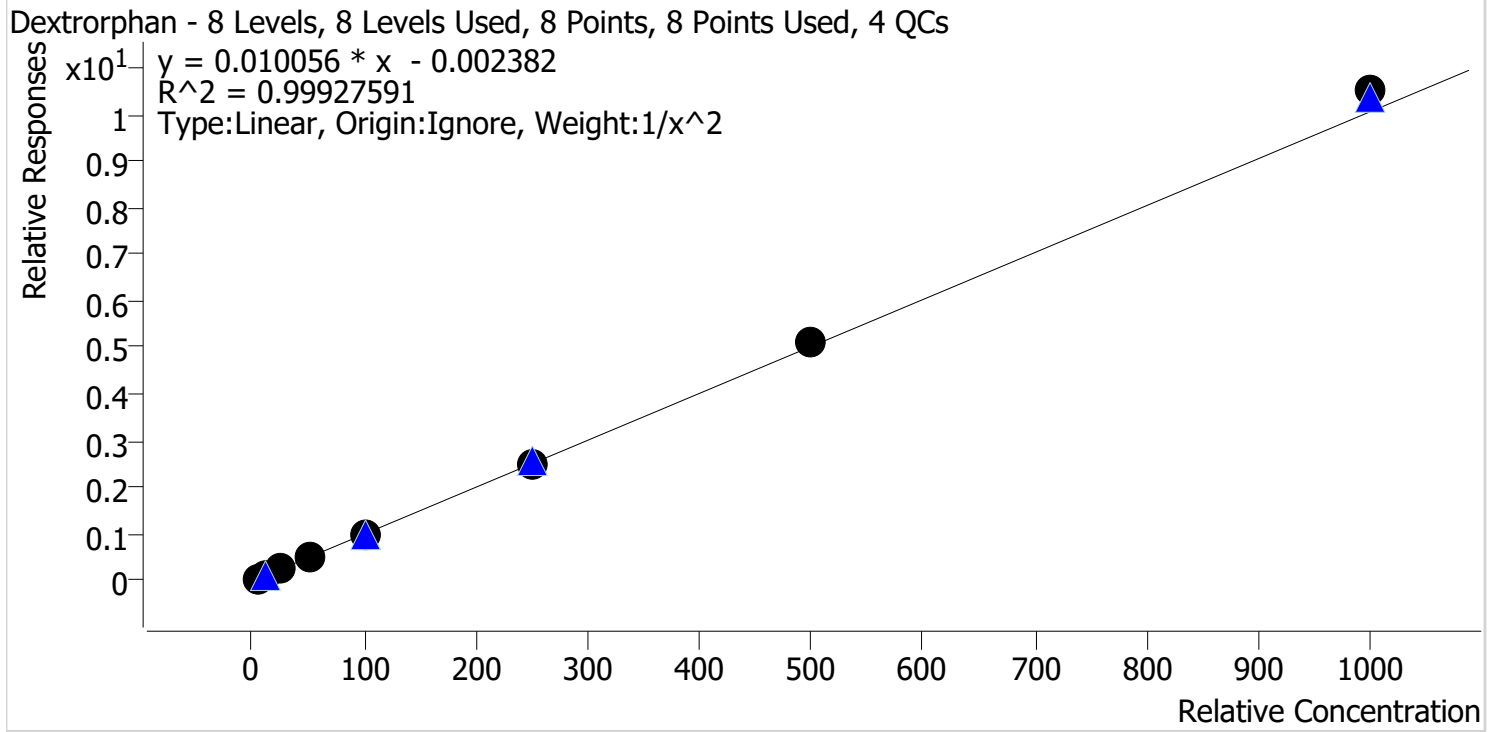
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	985.4	98.5

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrophan Internal Standard Dextrophan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	507.9	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1045.1	104.5

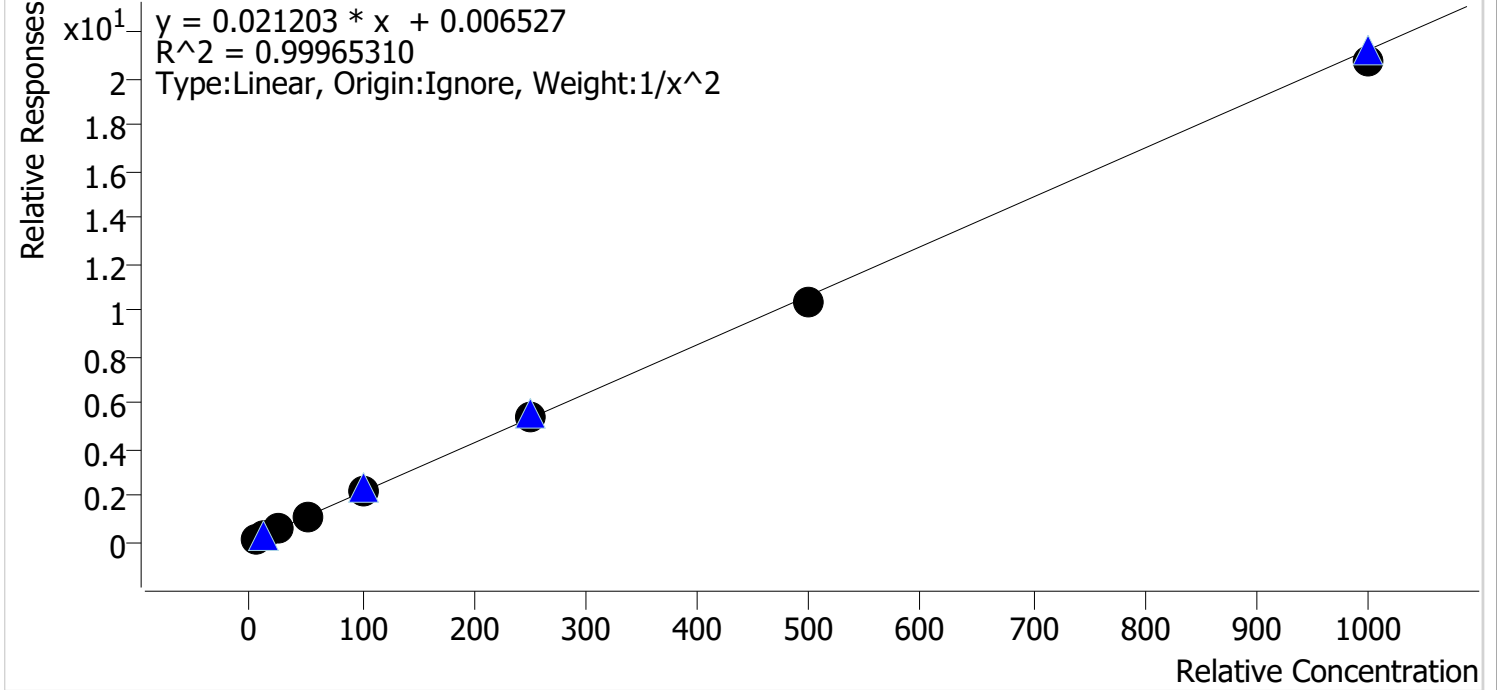
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	488.3	97.7
p1 Cal 8-1000ng	8	✓	1000.0	979.0	97.9

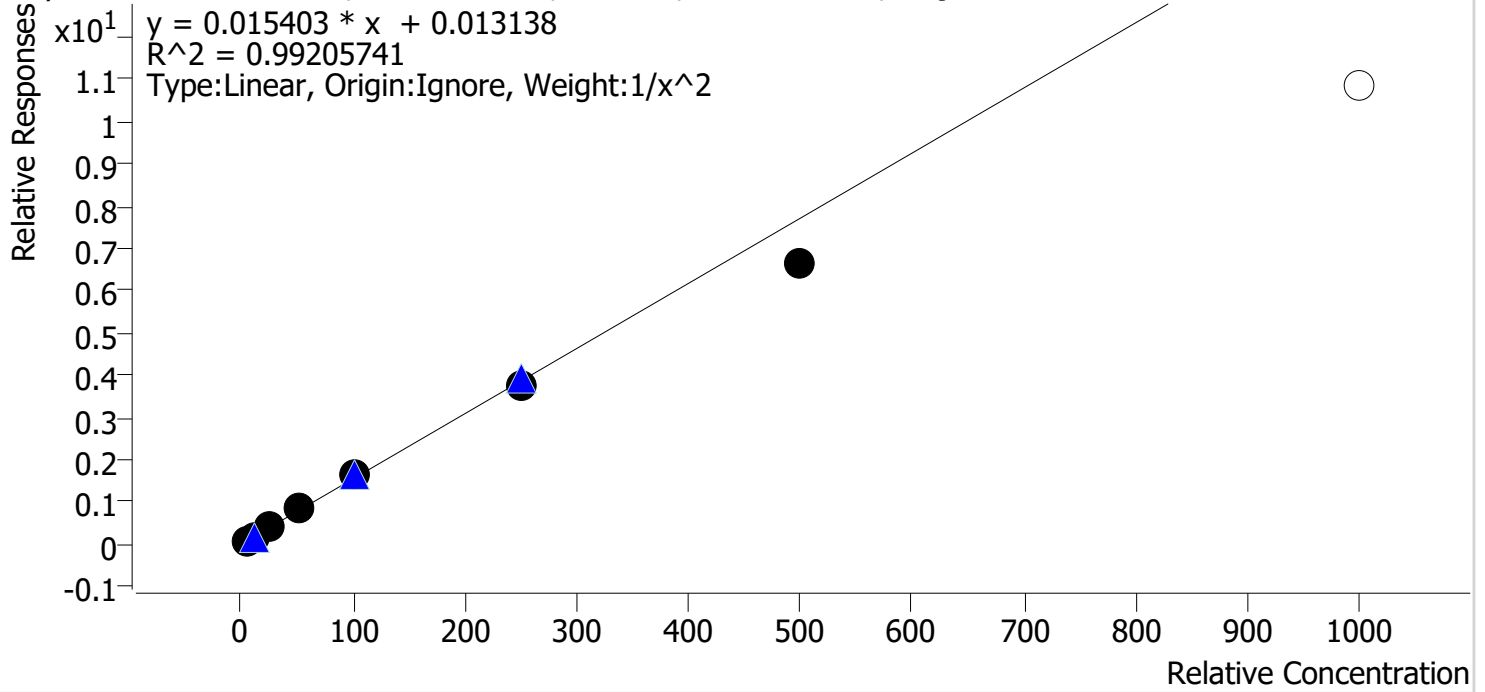
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.6
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	242.9	97.2
p1 Cal 7-500ng	7	✓	500.0	429.1	85.8
p1 Cal 8-1000ng	8	x	1000.0	704.3	70.4

Cal 8 dropped due to accuracy

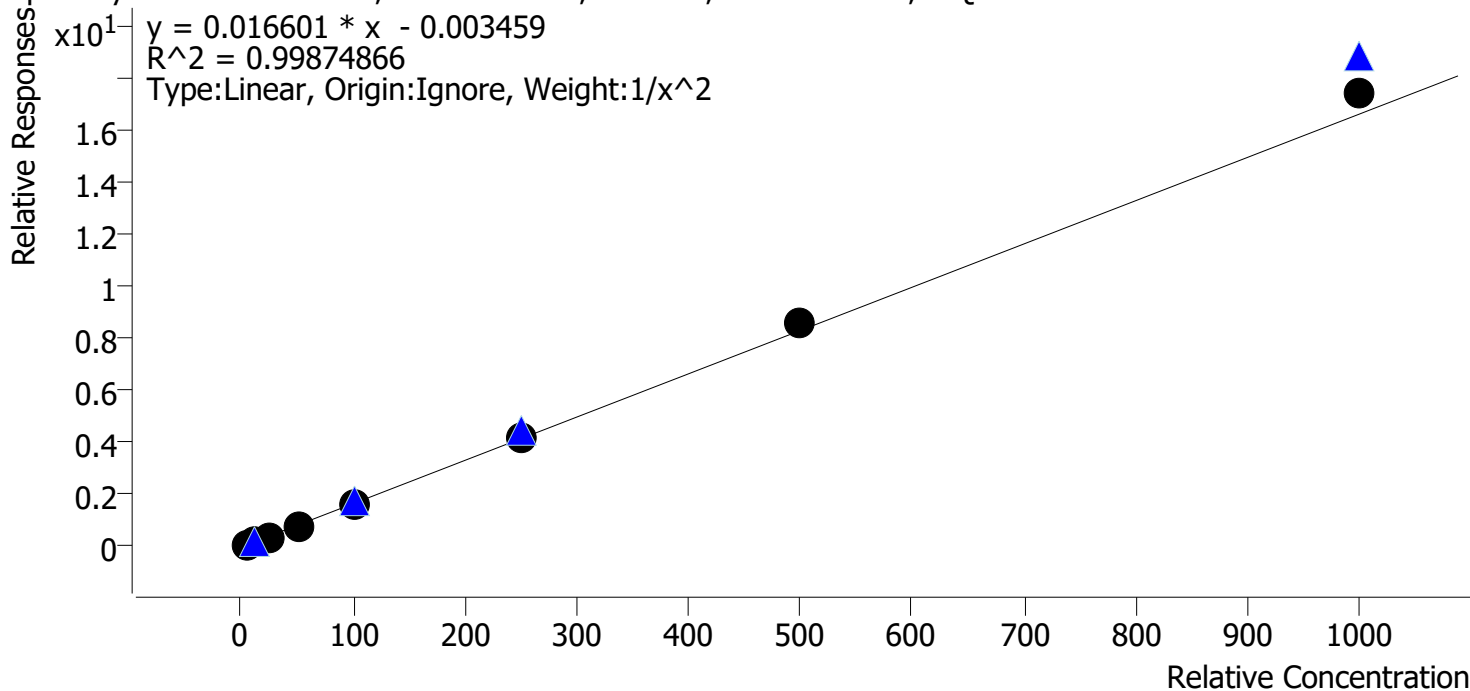
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



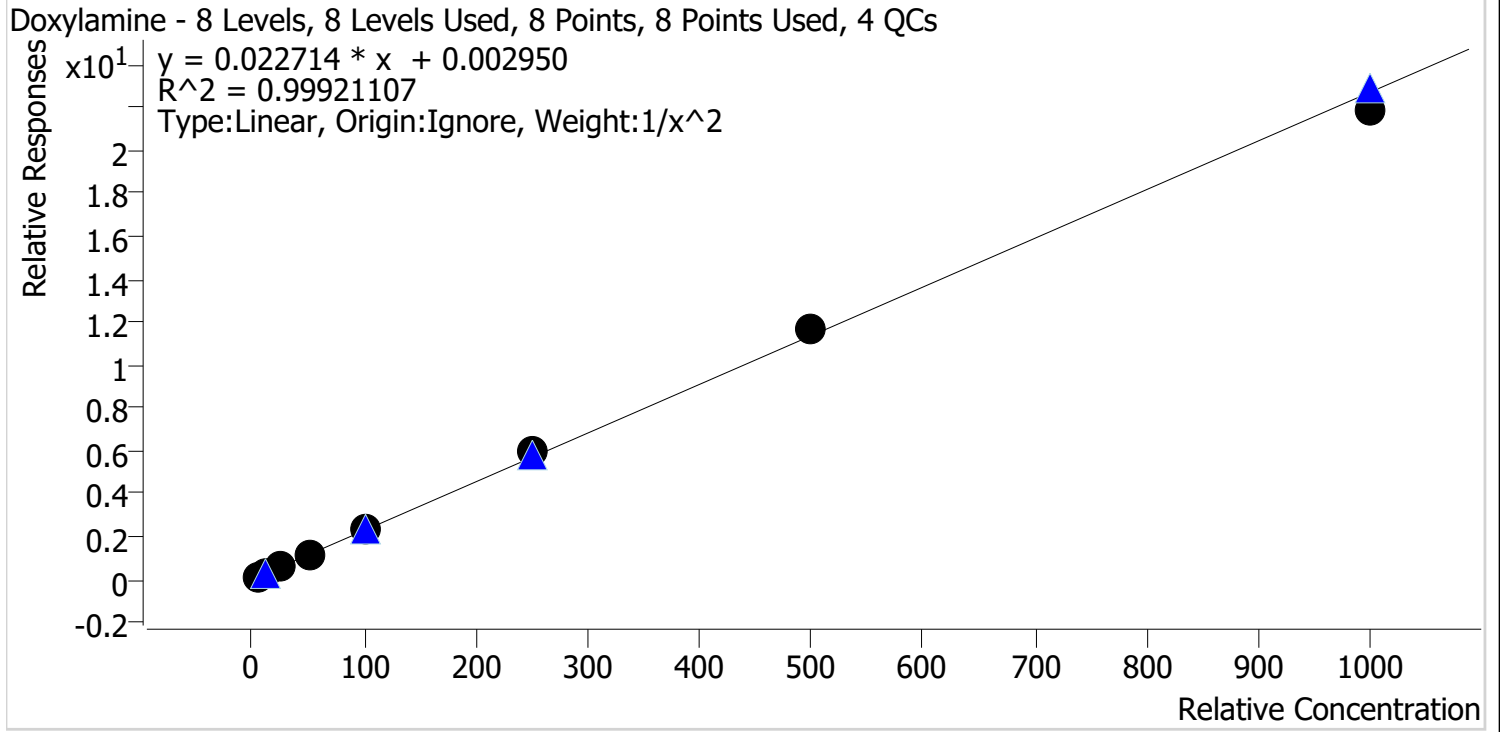
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	513.8	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1047.9	104.8

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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.5	98.9
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	260.1	104.0
p1 Cal 7-500ng	7	✓	500.0	513.0	102.6
p1 Cal 8-1000ng	8	✓	1000.0	960.3	96.0

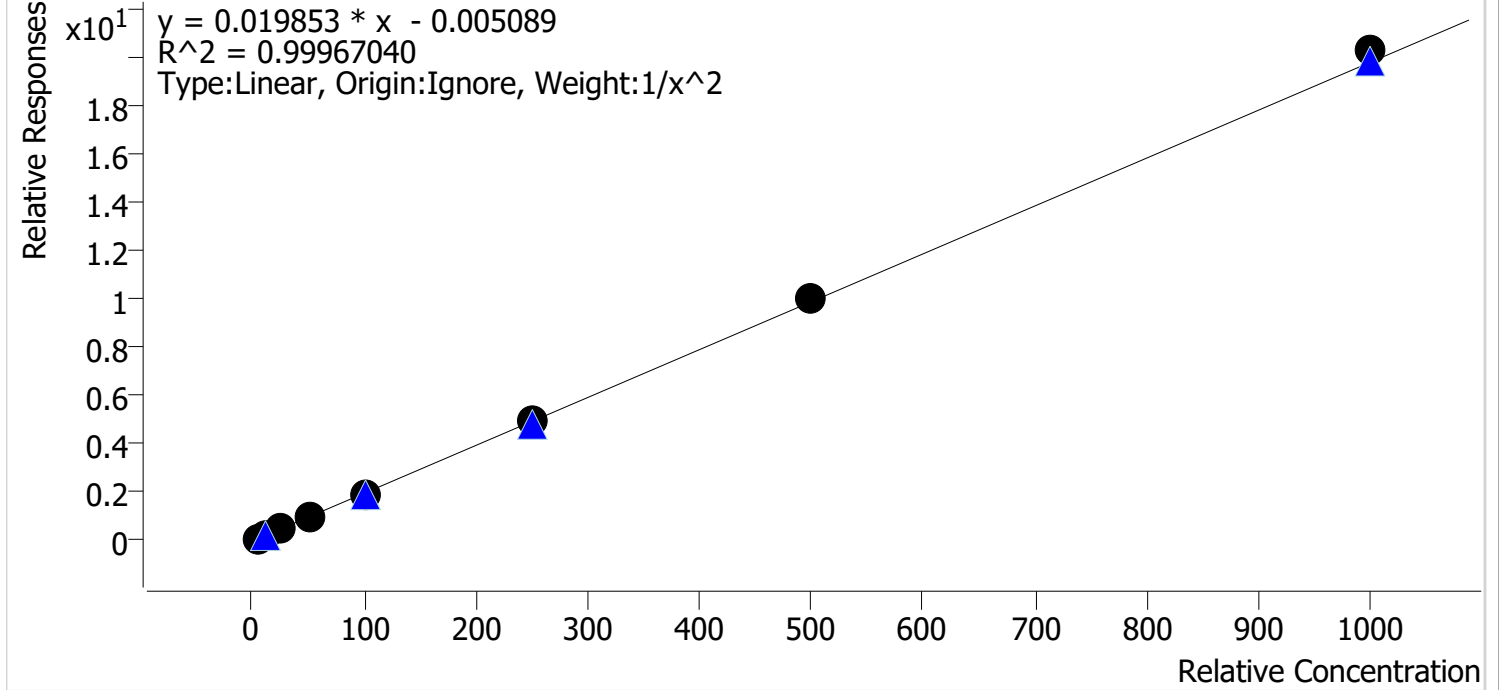
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	49.9	99.7
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	249.6	99.9
p1 Cal 7-500ng	7	✓	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1024.6	102.5

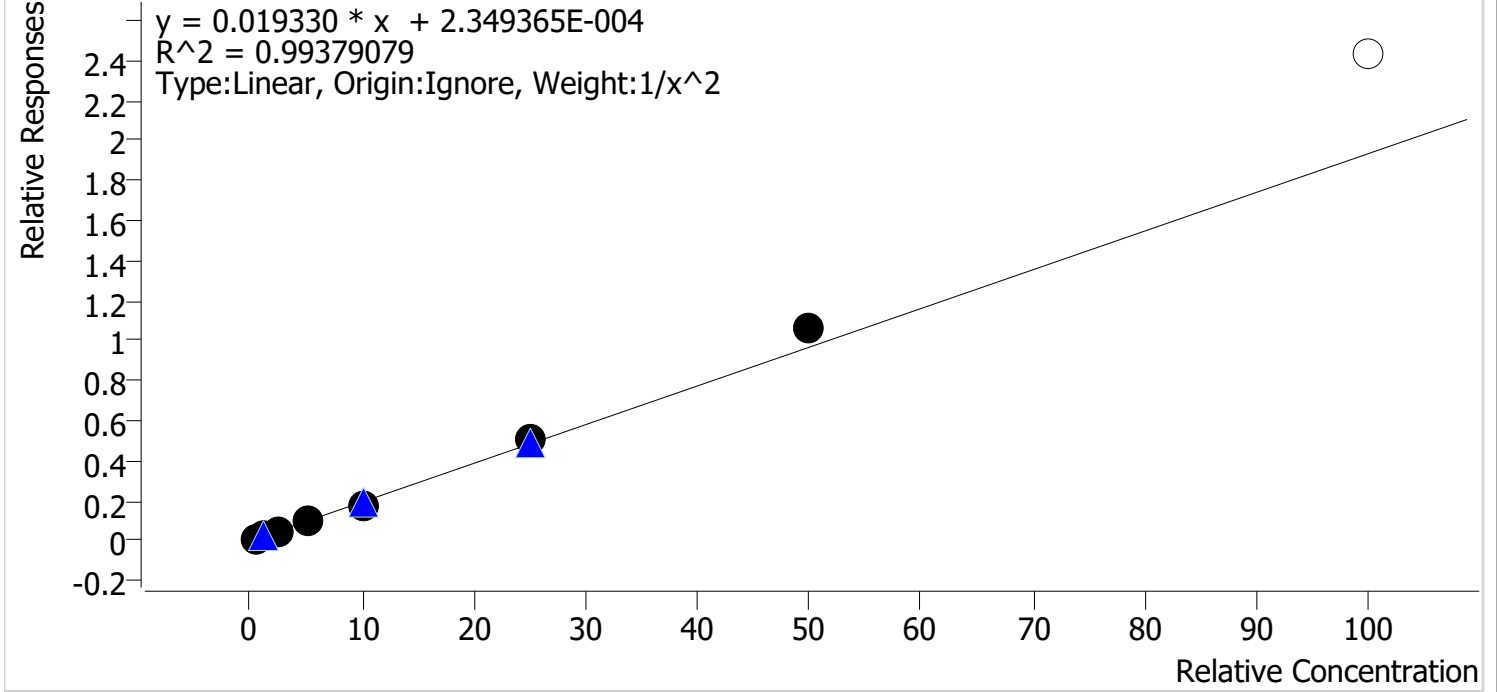
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.8
p1 Cal 2-10ng	2	✓	1.0	1.0	95.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.2
p1 Cal 4-50ng	4	✓	5.0	4.7	93.7
p1 Cal 5-100ng	5	✓	10.0	9.4	94.3
p1 Cal 6-250ng	6	✓	25.0	26.6	106.5
p1 Cal 7-500ng	7	✓	50.0	55.1	110.2
p1 Cal 8-1000ng	8	✗	100.0	126.2	126.2

Cal 8 dropped due to accuracy

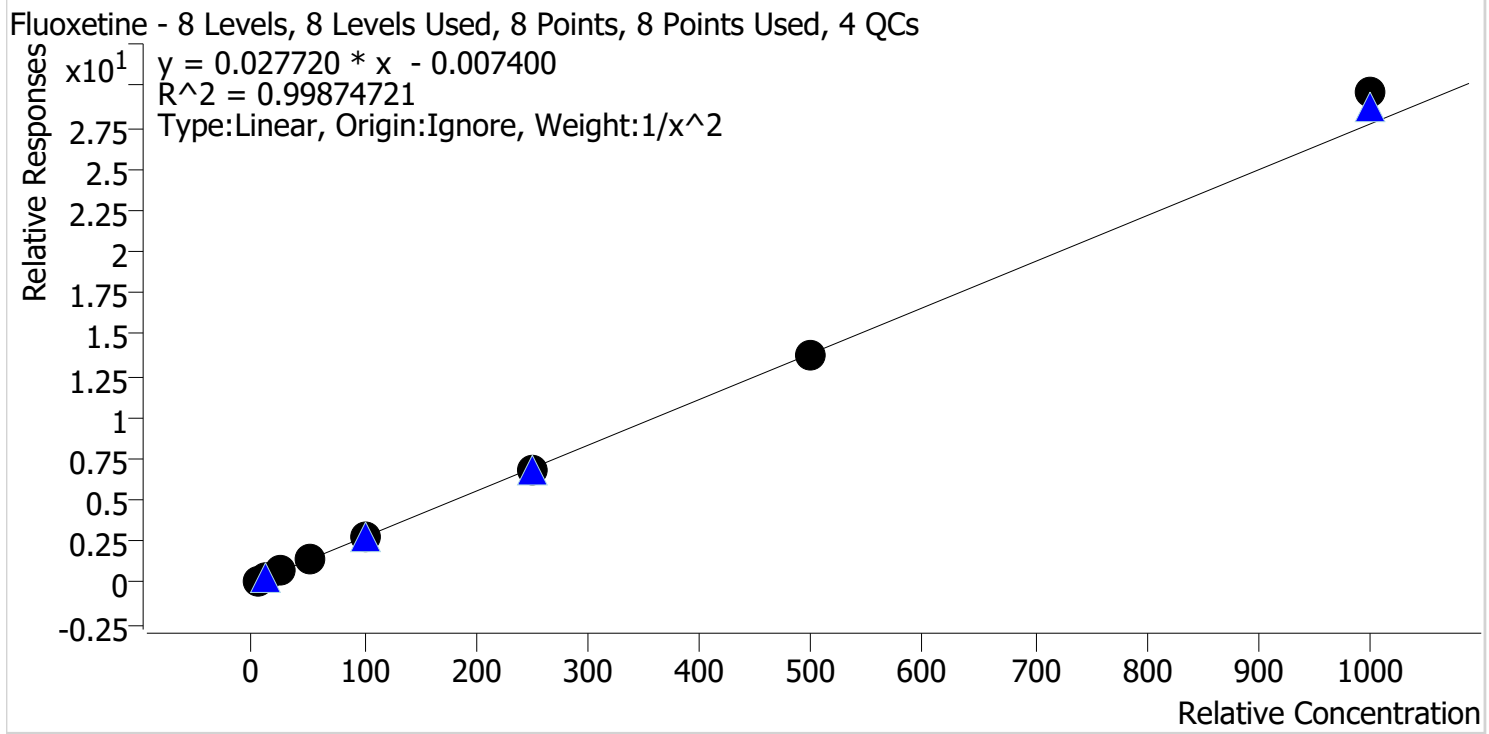


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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



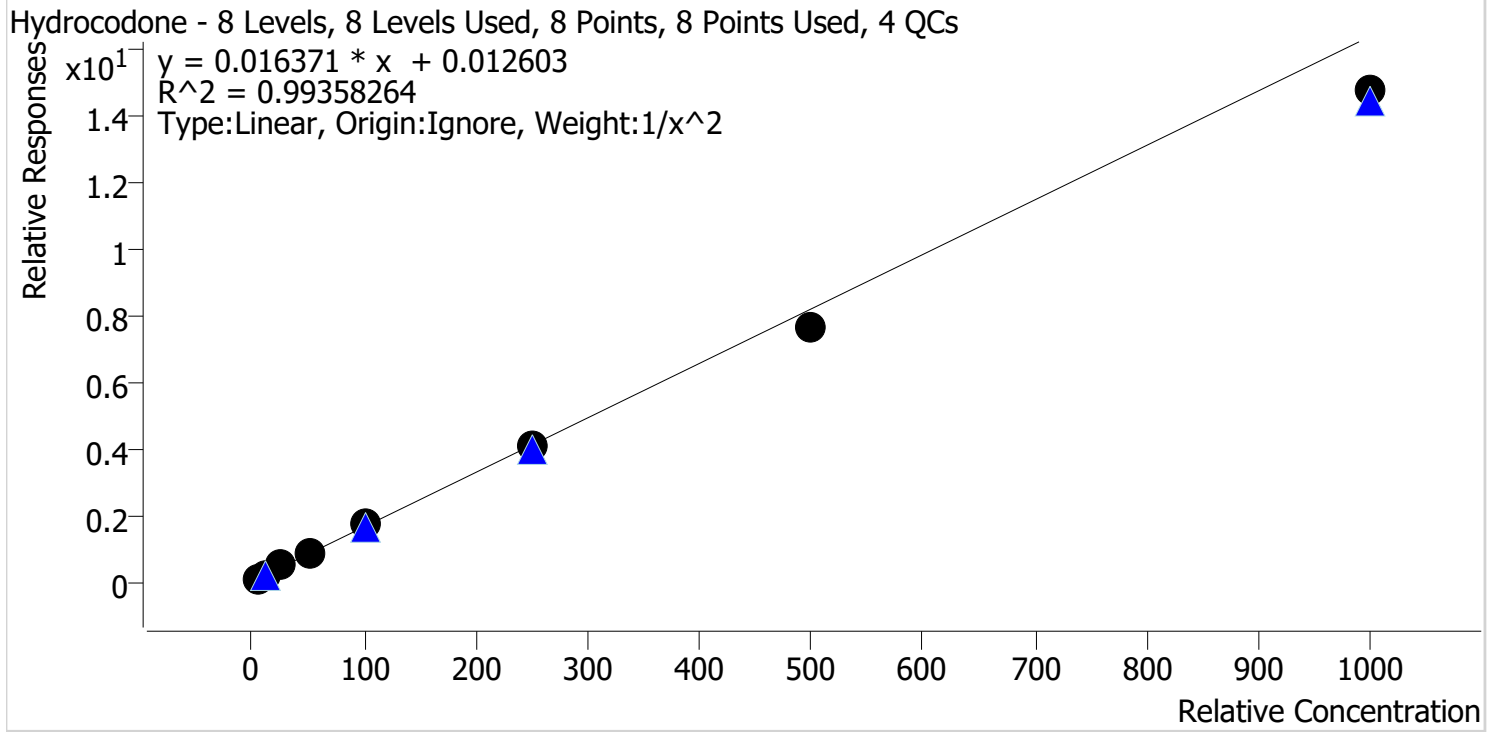
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1068.4	106.8

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	27.8	111.3
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	245.9	98.3
p1 Cal 7-500ng	7	✓	500.0	465.5	93.1
p1 Cal 8-1000ng	8	✓	1000.0	900.6	90.1

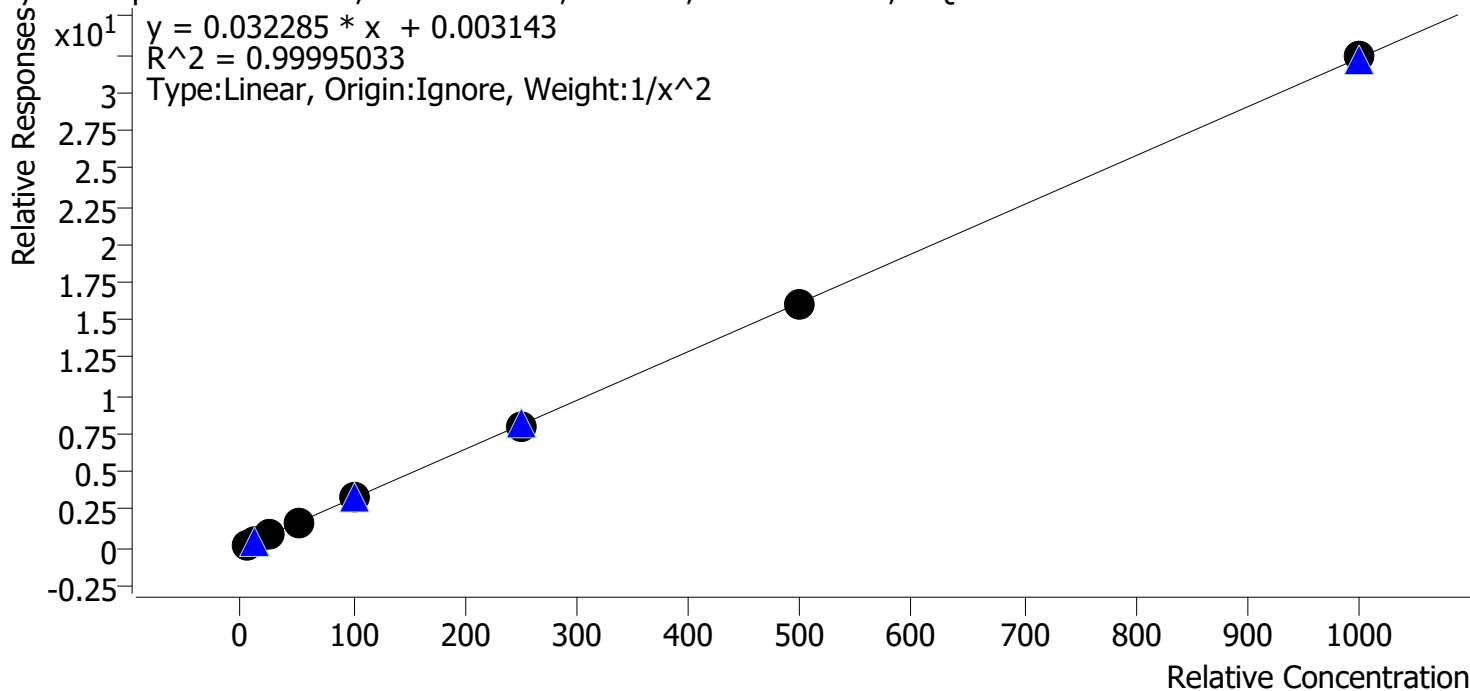
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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



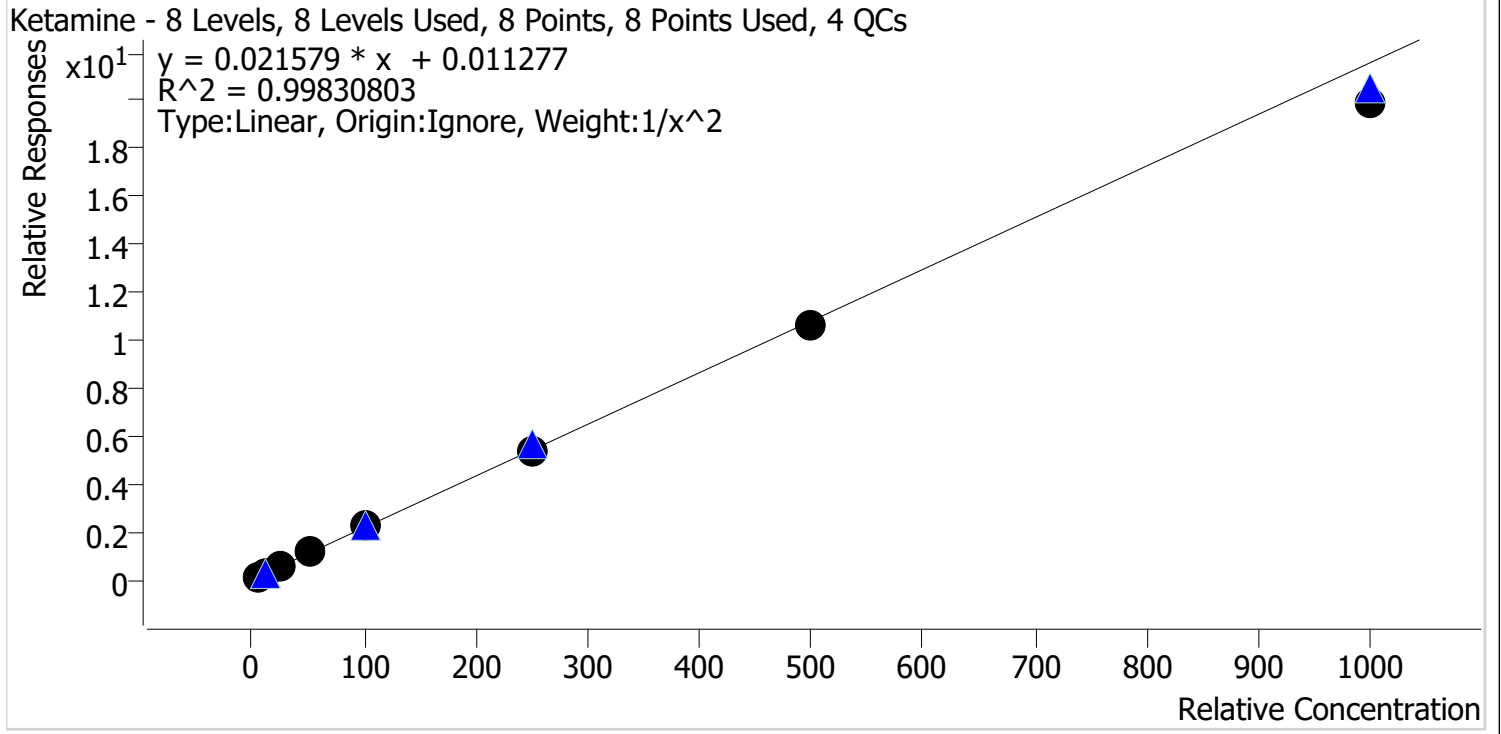
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	496.4	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1002.8	100.3

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



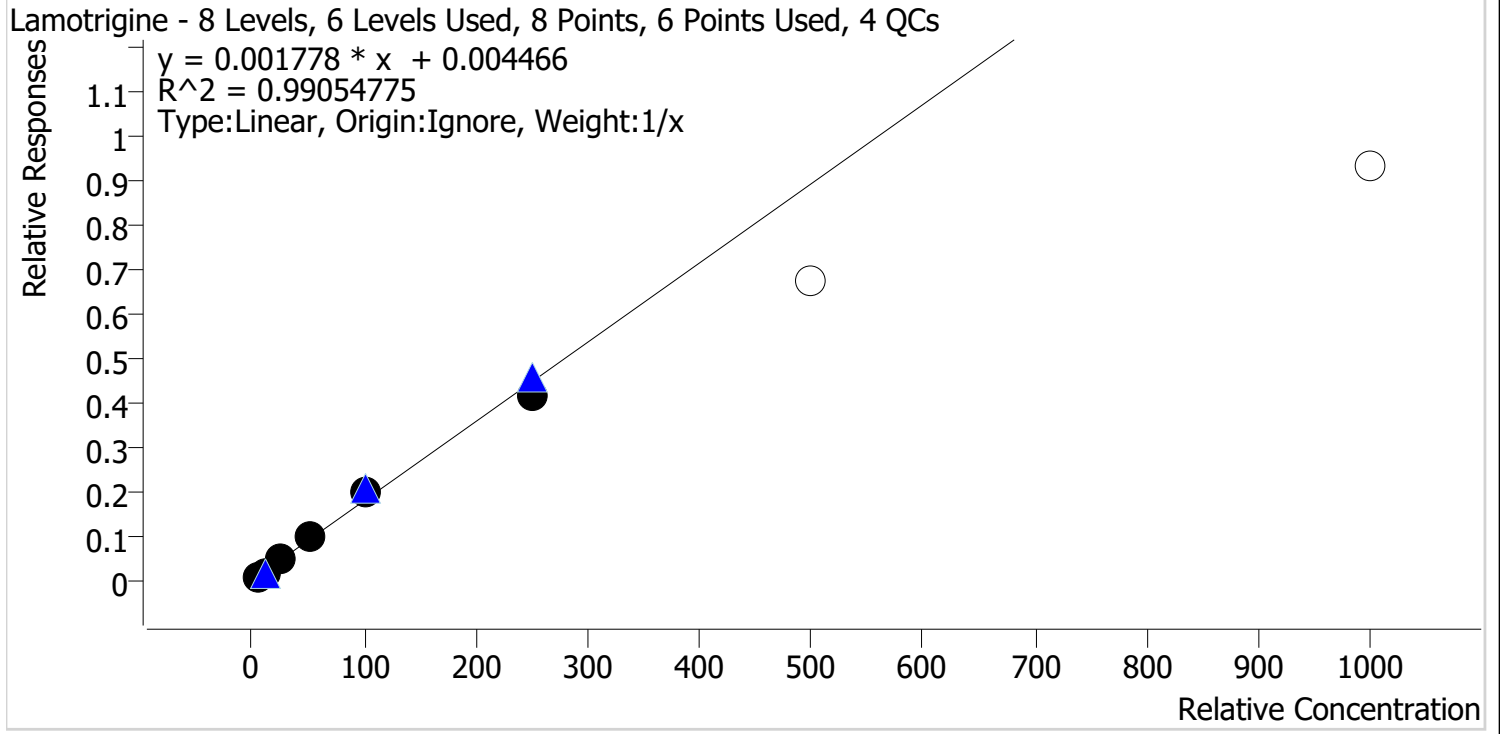
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	923.8	92.4

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.1	82.3
p1 Cal 2-10ng	2	✓	10.0	9.3	93.5
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.3
p1 Cal 4-50ng	4	✓	50.0	56.4	112.8
p1 Cal 5-100ng	5	✓	100.0	109.8	109.8
p1 Cal 6-250ng	6	✓	250.0	233.2	93.3
p1 Cal 7-500ng	7	x	500.0	379.2	75.8
p1 Cal 8-1000ng	8	x	1000.0	524.1	52.4

Cal 7 and 8 dropped due to accuracy

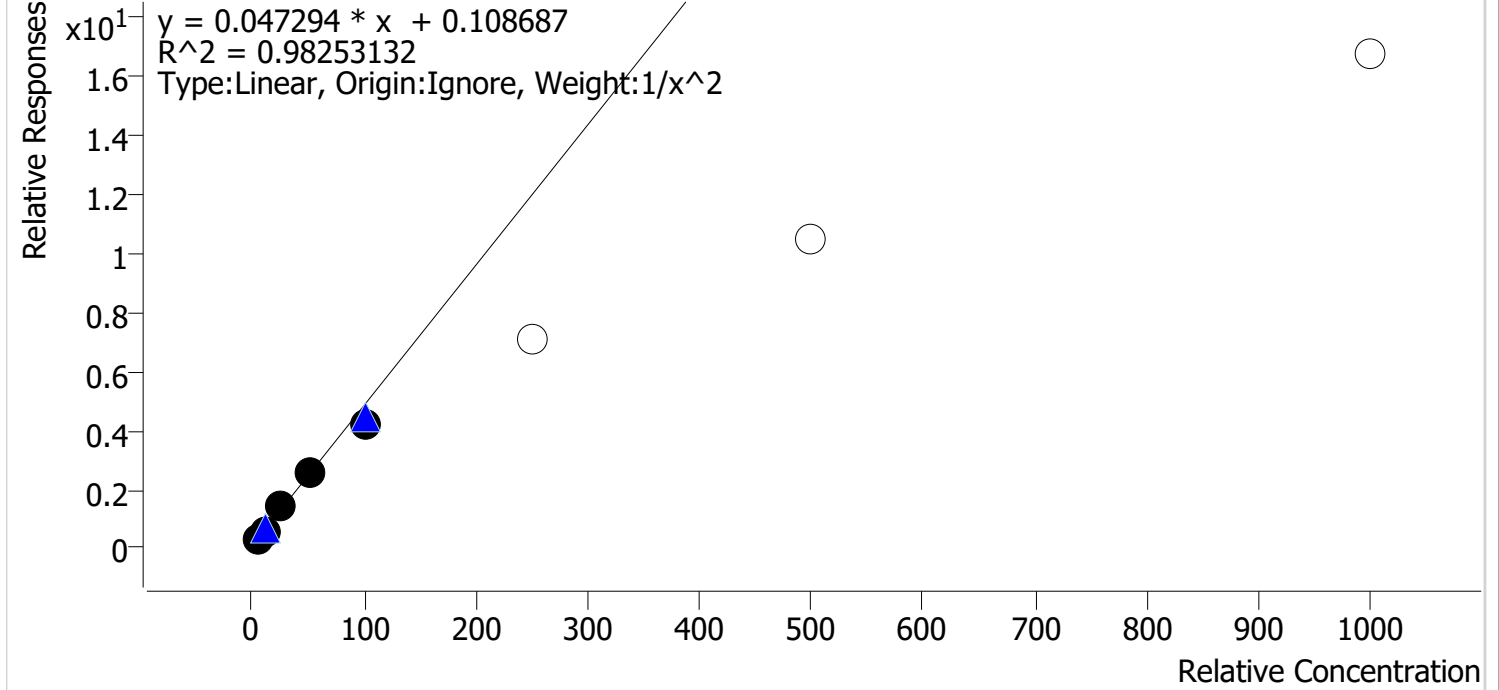
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.5
p1 Cal 2-10ng	2	✓	10.0	10.8	107.9
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.5
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	85.3	85.3
p1 Cal 6-250ng	6	✗	250.0	147.3	58.9
p1 Cal 7-500ng	7	✗	500.0	219.4	43.9
p1 Cal 8-1000ng	8	✗	1000.0	350.8	35.1

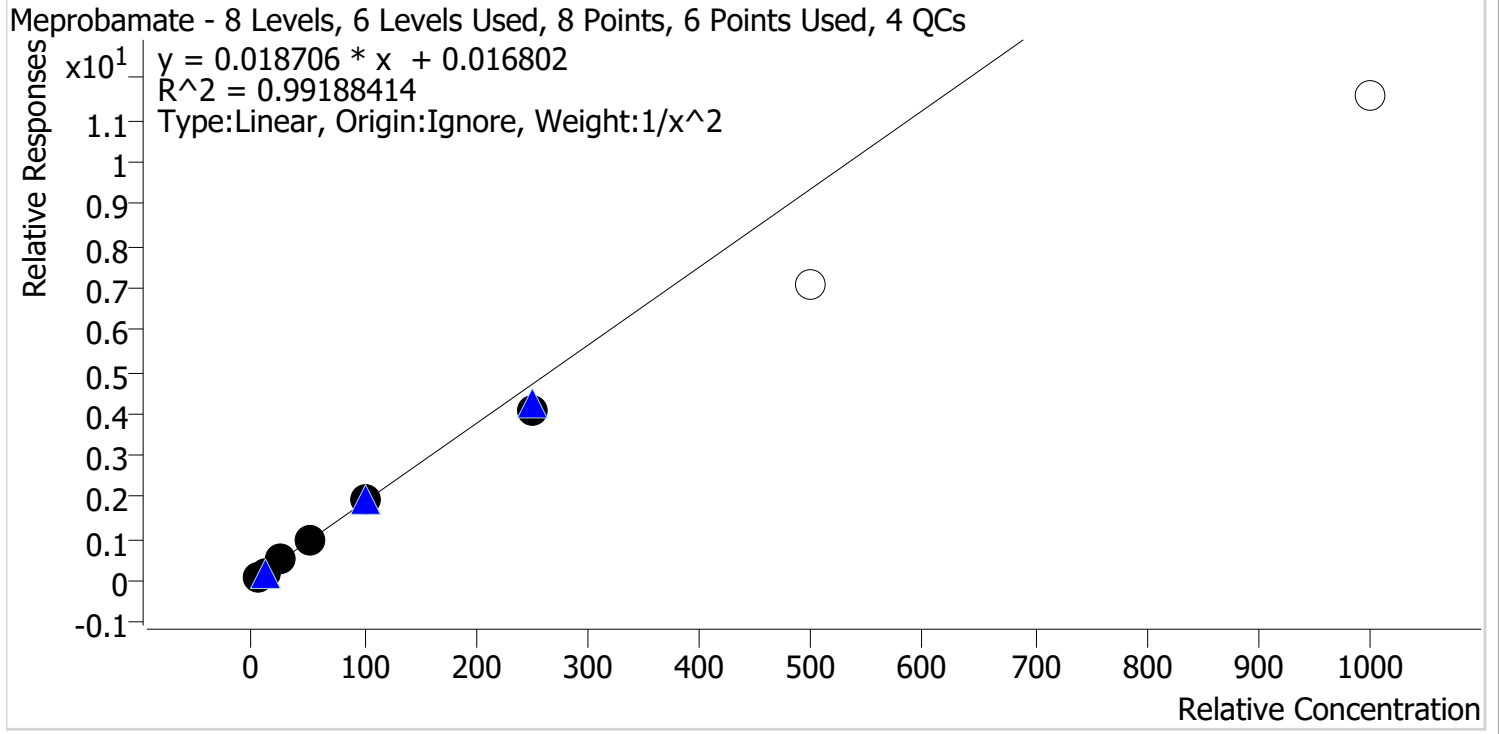
Cal 6, 7, and 8 dropped due to accuracy

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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.6
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	217.6	87.0
p1 Cal 7-500ng	7	x	500.0	375.5	75.1
p1 Cal 8-1000ng	8	x	1000.0	617.1	61.7

Cal 7 and 8 dropped due to accuracy

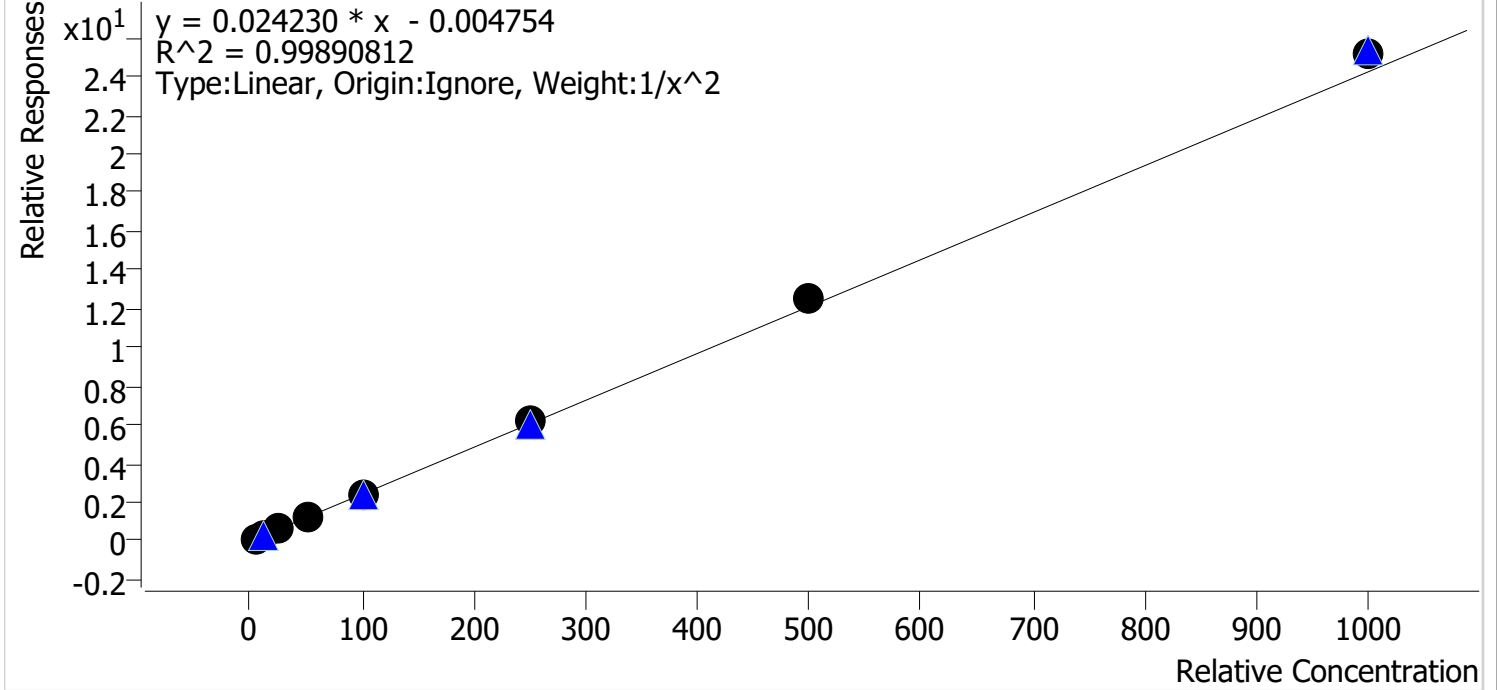
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	514.1	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1038.8	103.9



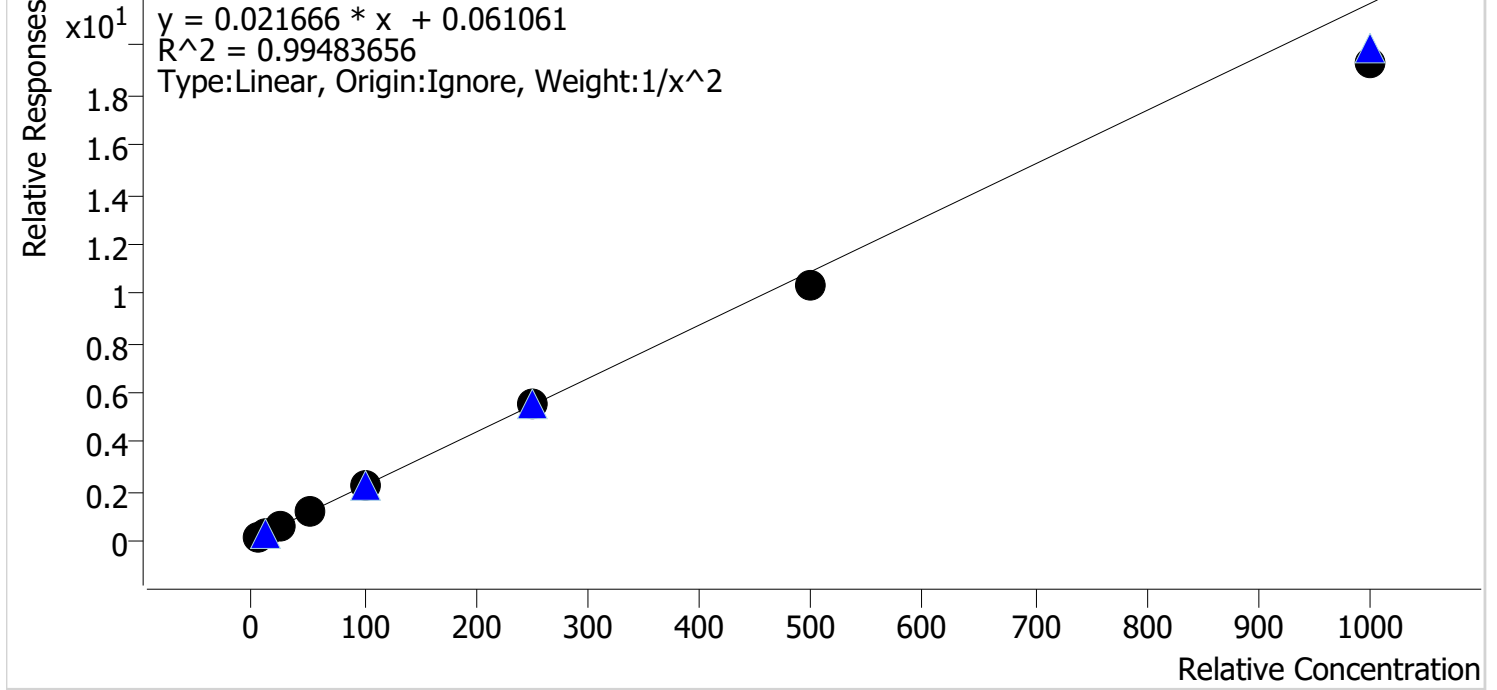
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	55.5	111.0
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	477.6	95.5
p1 Cal 8-1000ng	8	✓	1000.0	892.2	89.2

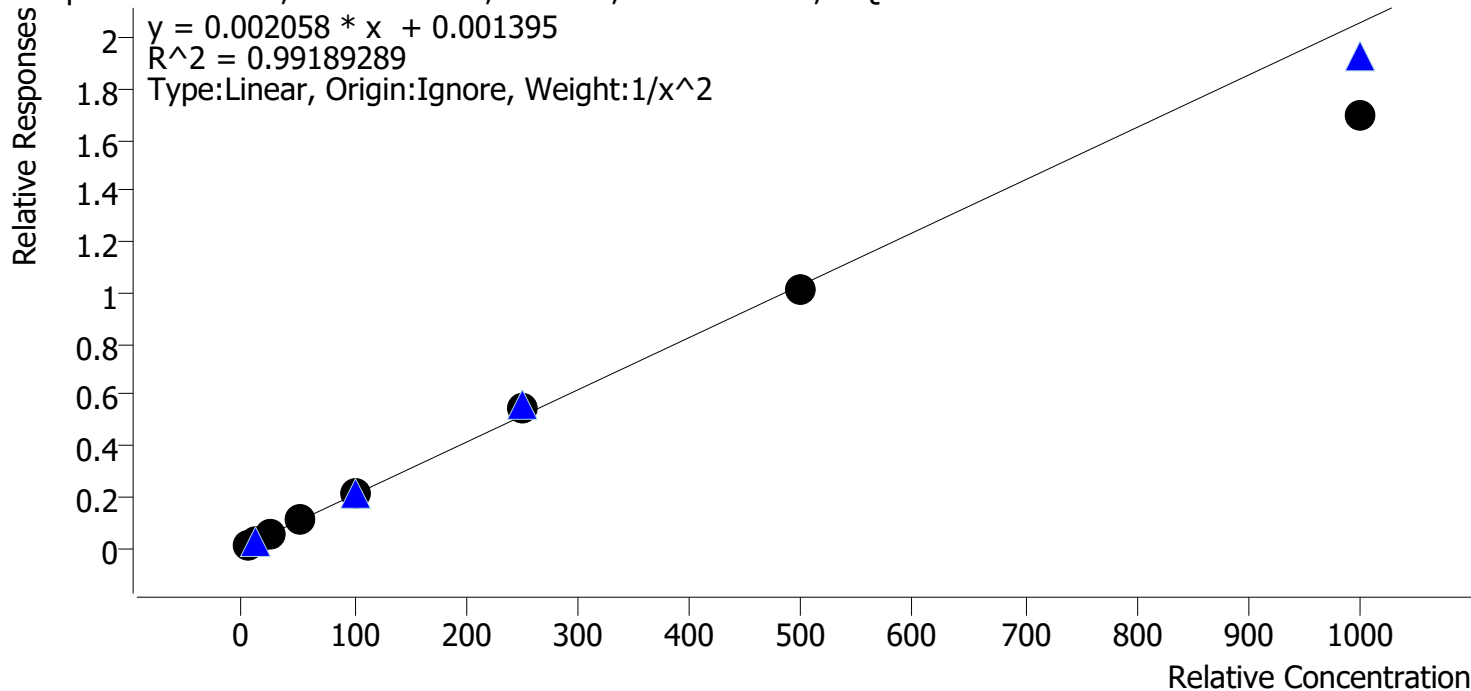
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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



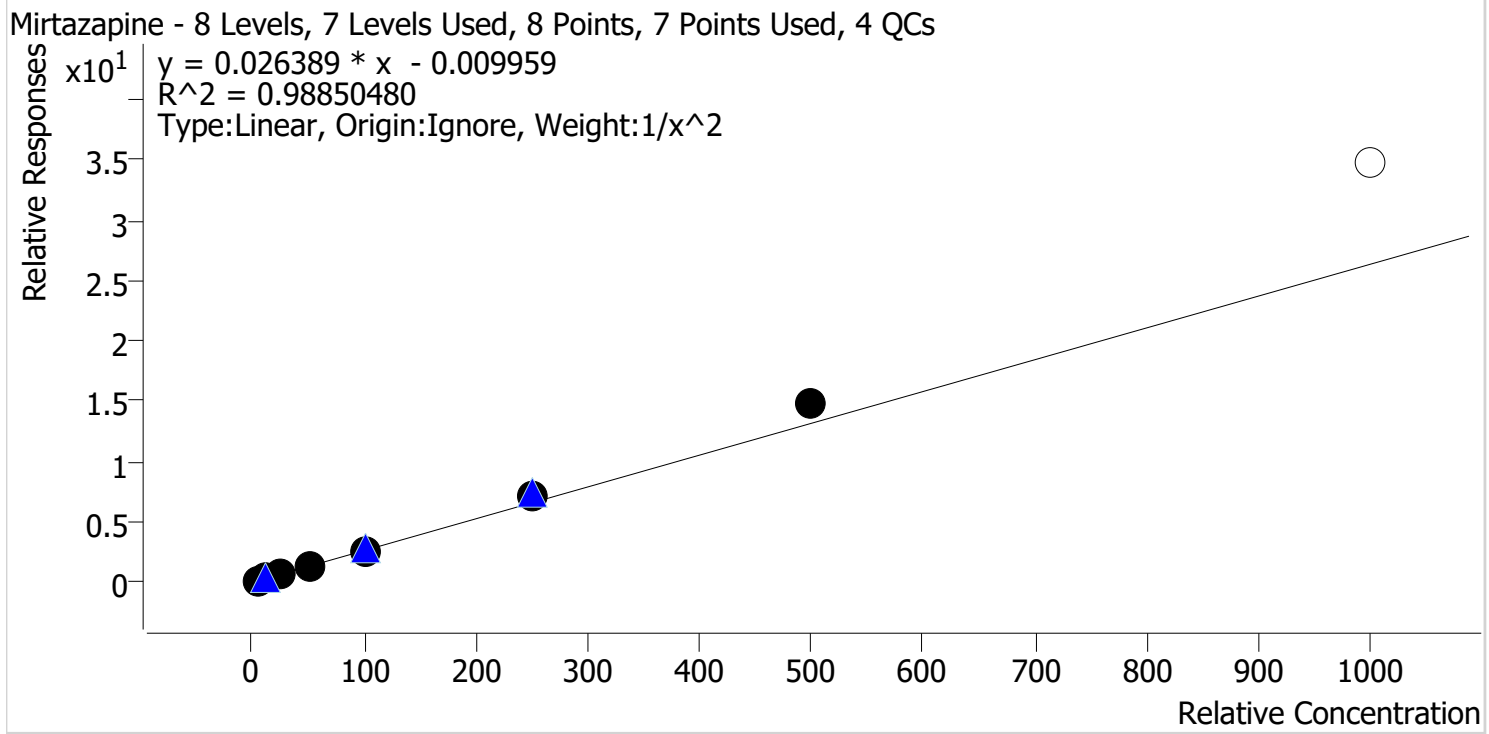
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.0
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	267.7	107.1
p1 Cal 7-500ng	7	✓	500.0	490.2	98.0
p1 Cal 8-1000ng	8	✓	1000.0	824.3	82.4

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.8
p1 Cal 2-10ng	2	✓	10.0	9.4	94.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	44.9	89.9
p1 Cal 5-100ng	5	✓	100.0	92.3	92.3
p1 Cal 6-250ng	6	✓	250.0	273.1	109.2
p1 Cal 7-500ng	7	✓	500.0	566.9	113.4
p1 Cal 8-1000ng	8	✗	1000.0	1319.9	132.0

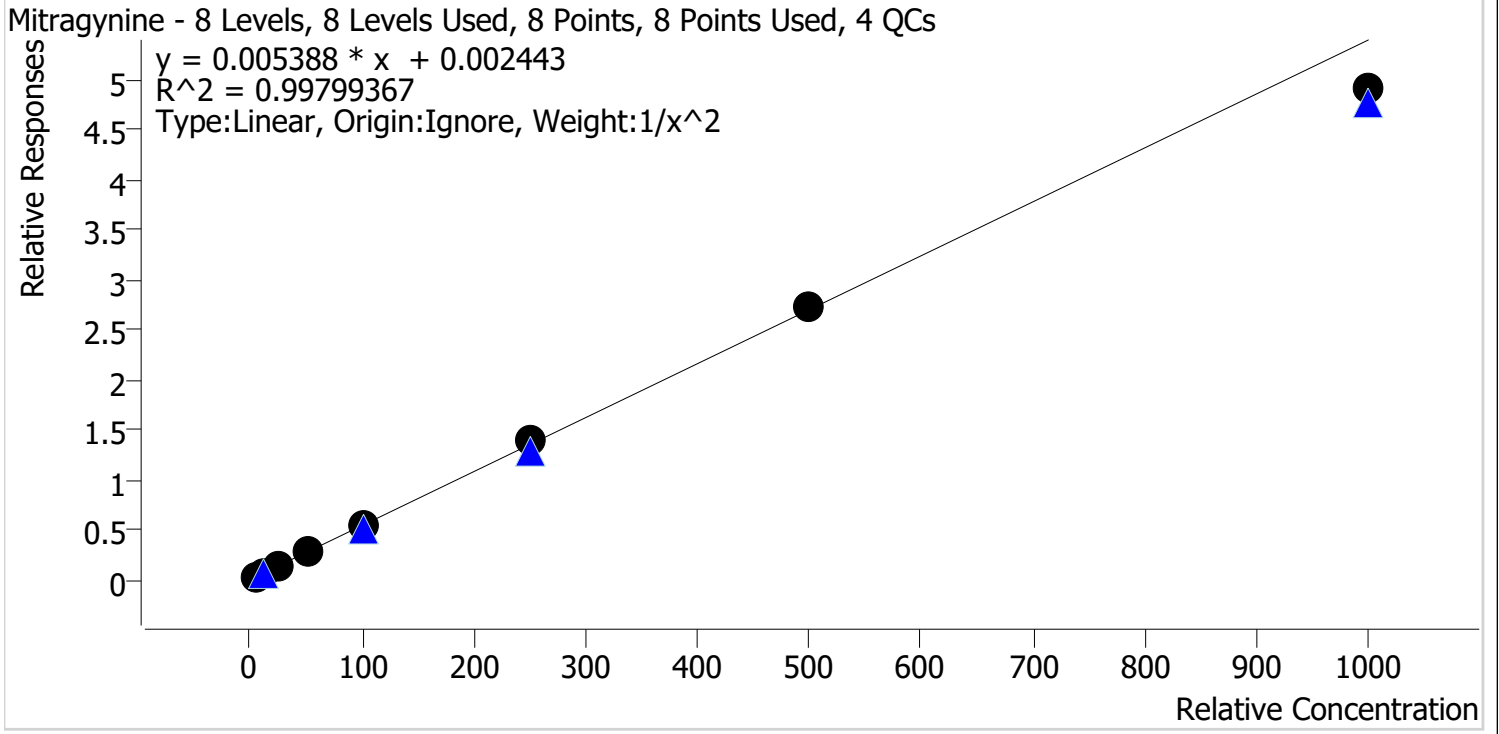
Cal 8 dropped due to accuracy

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



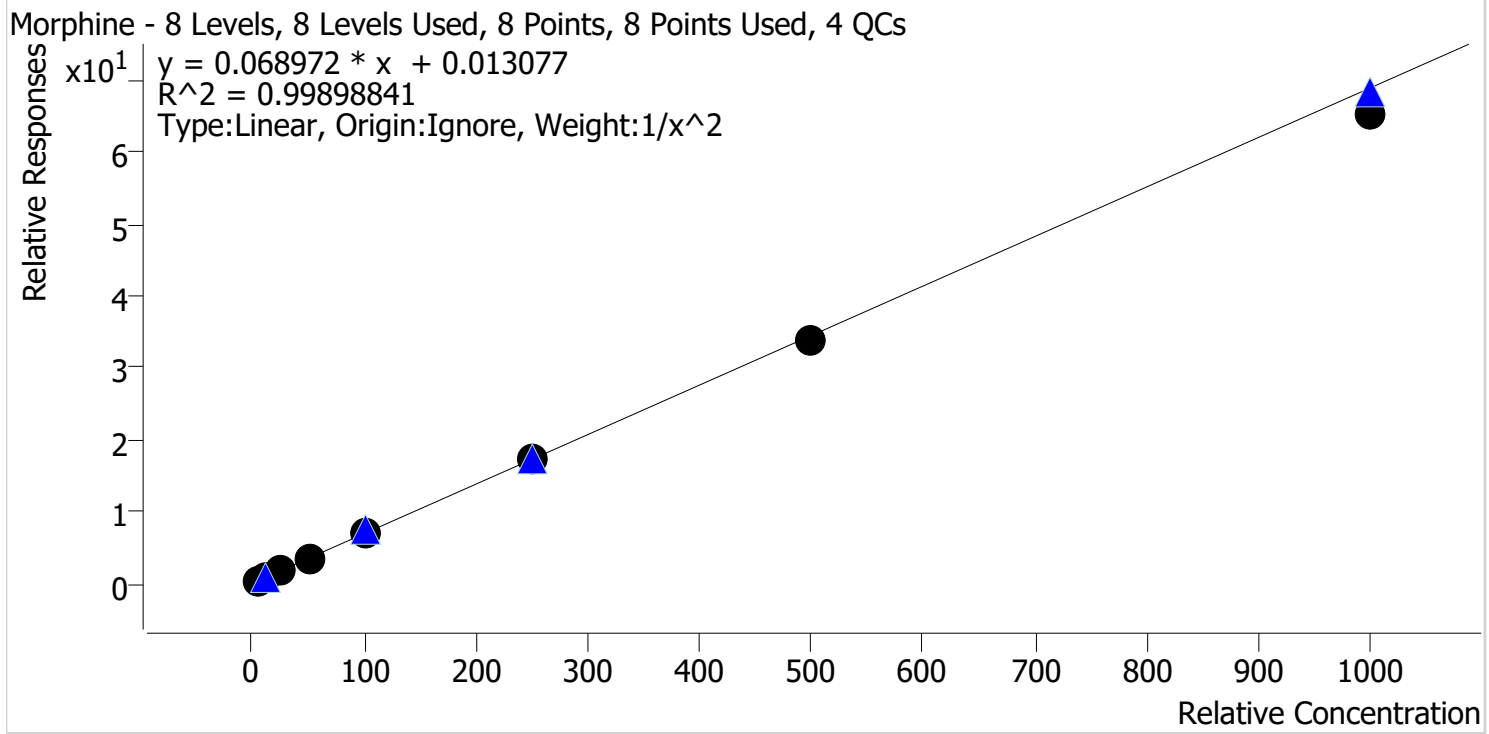
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	258.0	103.2
p1 Cal 7-500ng	7	✓	500.0	504.8	101.0
p1 Cal 8-1000ng	8	✓	1000.0	910.0	91.0

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	492.4	98.5
p1 Cal 8-1000ng	8	✓	1000.0	945.6	94.6

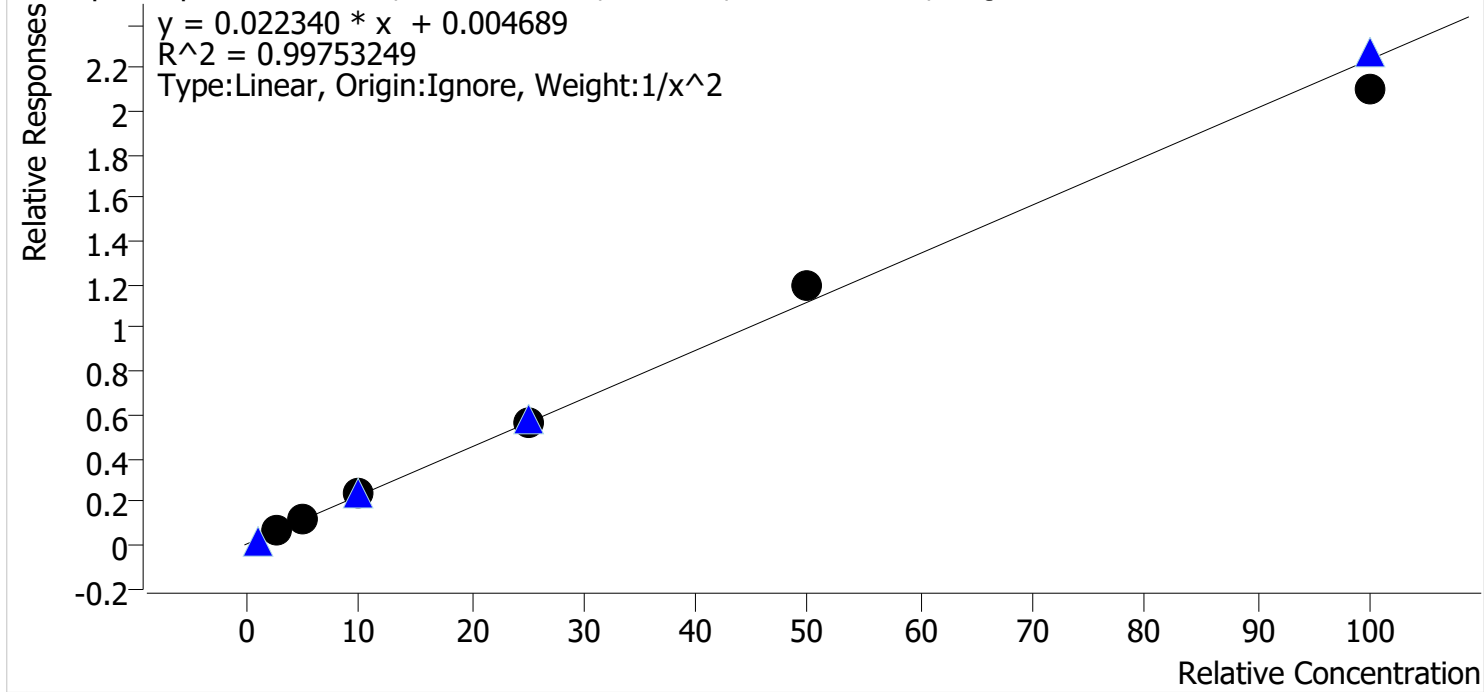
AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**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	2.5	100.5
p1 Cal 4-50ng	4	✓	5.0	4.9	98.2
p1 Cal 5-100ng	5	✓	10.0	10.1	101.1
p1 Cal 6-250ng	6	✓	25.0	25.0	99.8
p1 Cal 7-500ng	7	✓	50.0	53.2	106.3
p1 Cal 8-1000ng	8	✓	100.0	94.1	94.1

Cal 1 and 2 dropped due to ratio being out

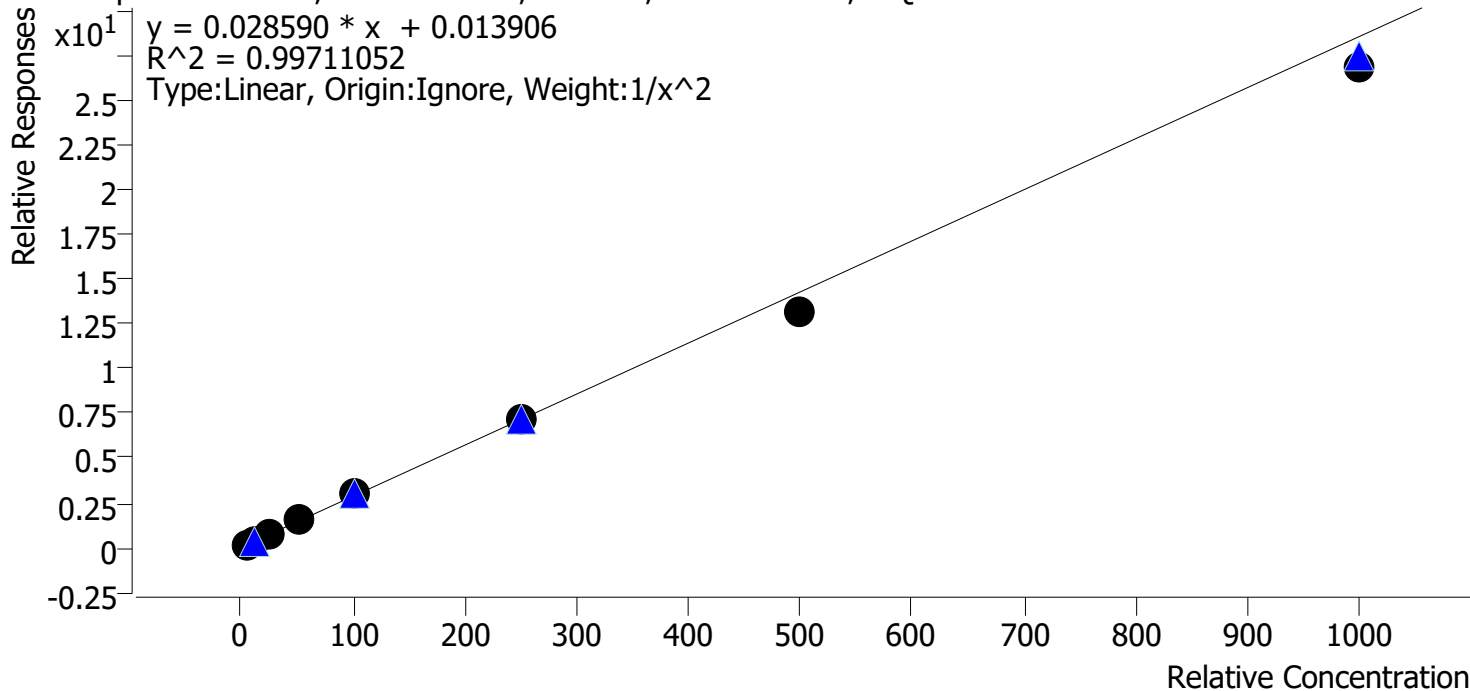
AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5

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



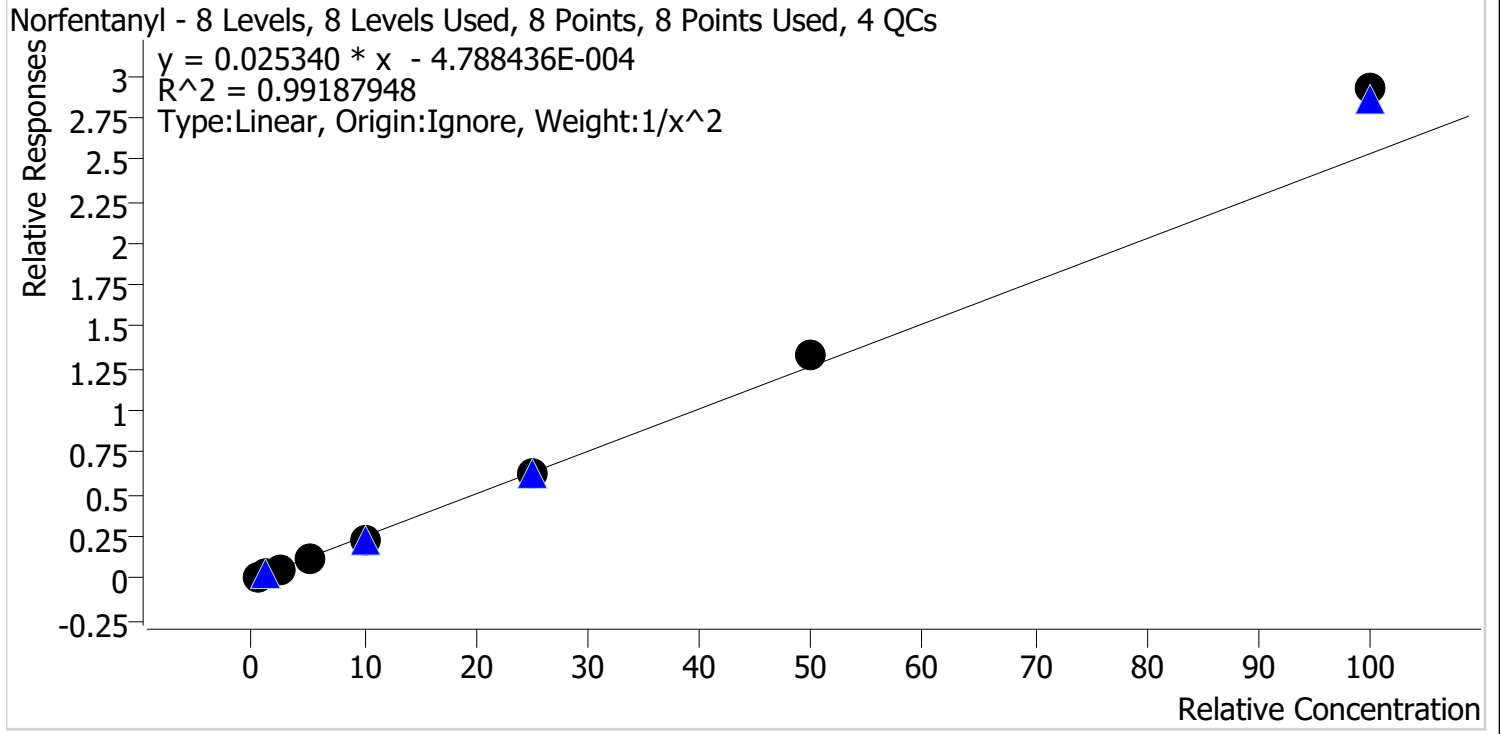
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	463.1	92.6
p1 Cal 8-1000ng	8	✓	1000.0	941.8	94.2

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.7
p1 Cal 2-10ng	2	✓	1.0	1.0	95.1
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.8
p1 Cal 4-50ng	4	✓	5.0	4.7	93.3
p1 Cal 5-100ng	5	✓	10.0	9.4	94.2
p1 Cal 6-250ng	6	✓	25.0	25.0	99.9
p1 Cal 7-500ng	7	✓	50.0	52.3	104.7
p1 Cal 8-1000ng	8	✓	100.0	115.3	115.3



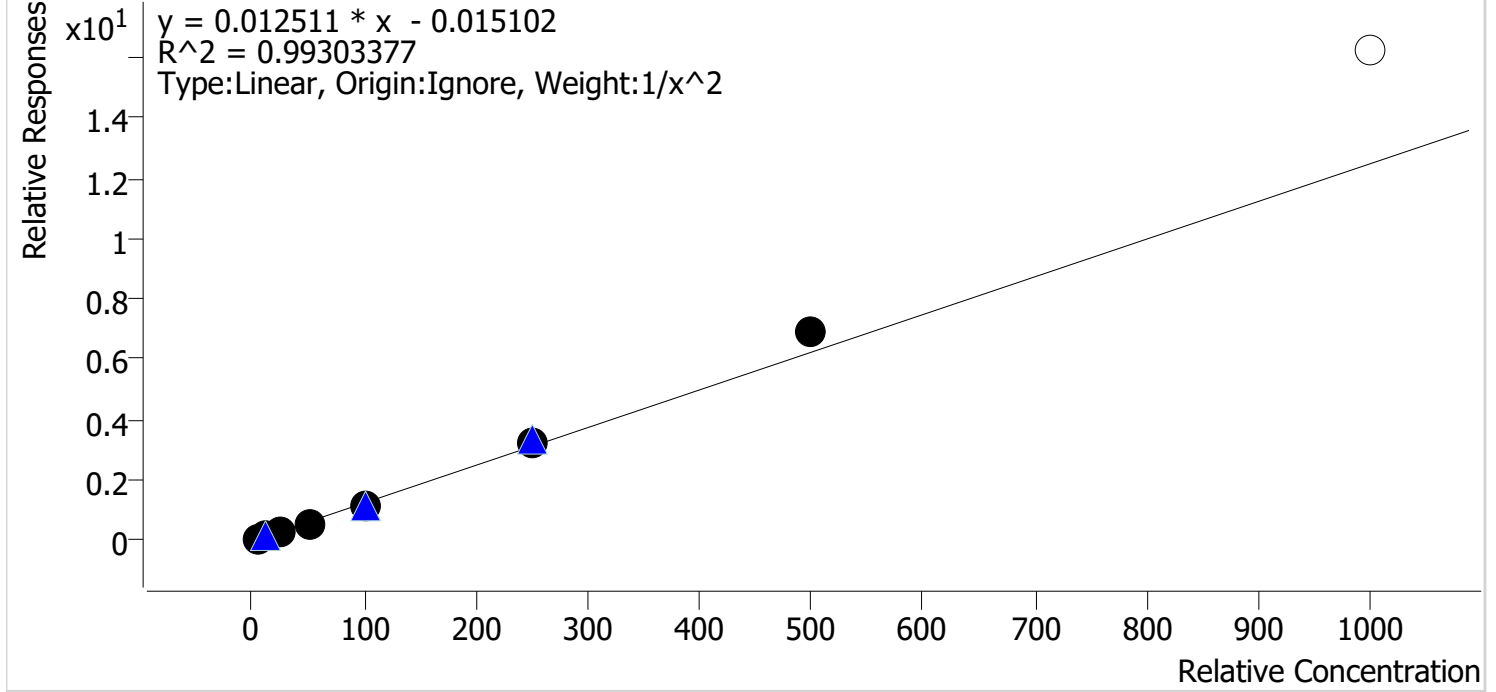
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.9
p1 Cal 2-10ng	2	✓	10.0	9.4	93.7
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.1
p1 Cal 4-50ng	4	✓	50.0	47.3	94.5
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	262.9	105.2
p1 Cal 7-500ng	7	✓	500.0	557.3	111.5
p1 Cal 8-1000ng	8	✗	1000.0	1300.2	130.0

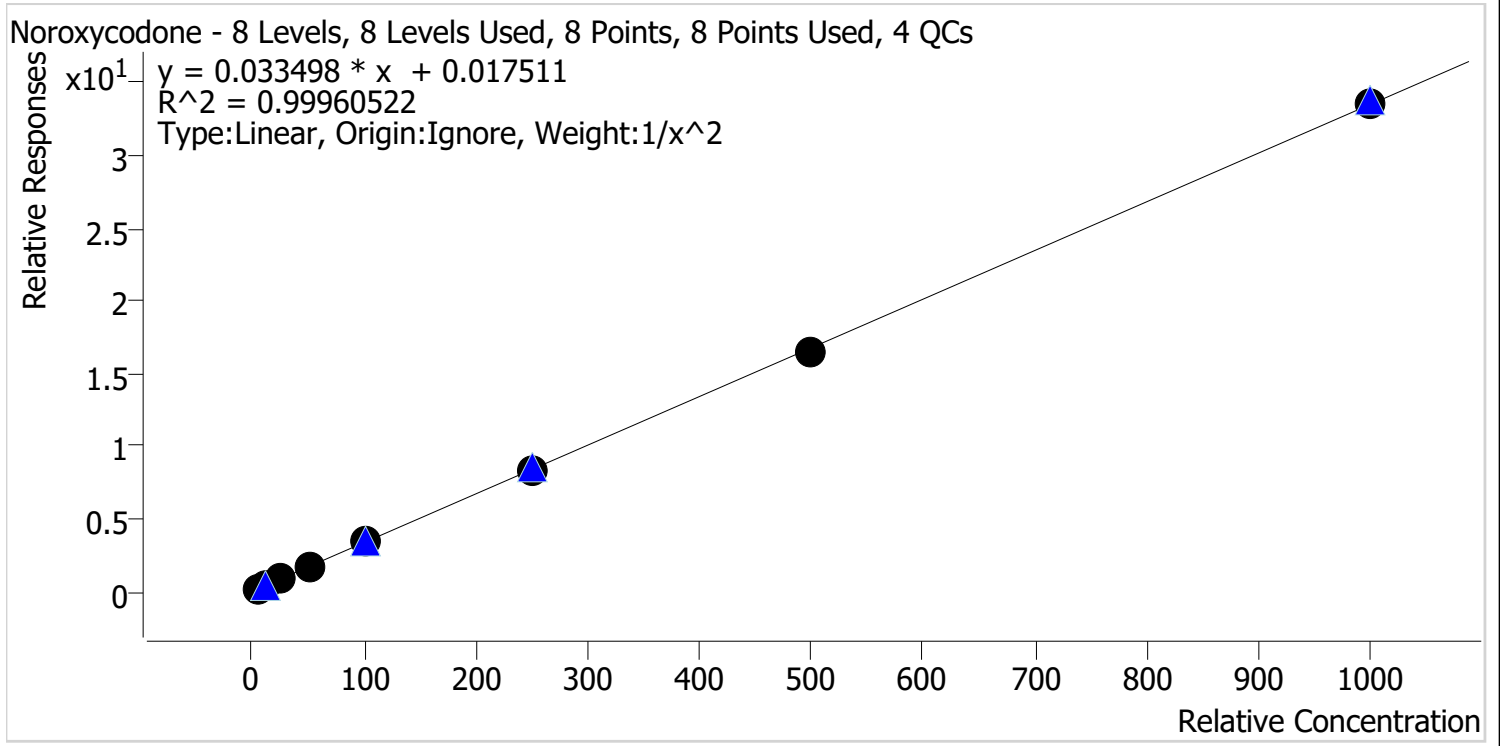
Cal 8 dropped due to accuracy

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



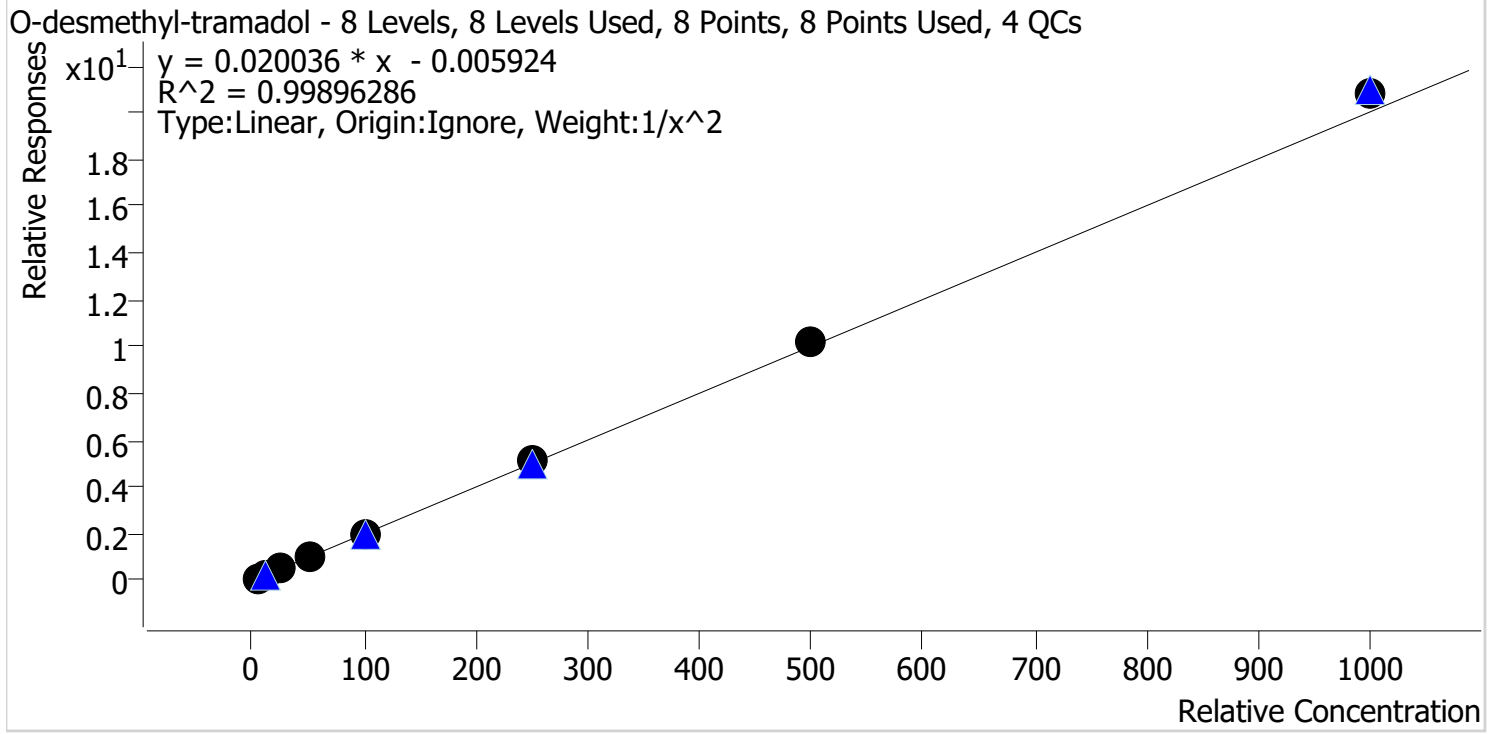
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	491.7	98.3
p1 Cal 8-1000ng	8	✓	1000.0	1000.0	100.0

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	510.0	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1042.3	104.2

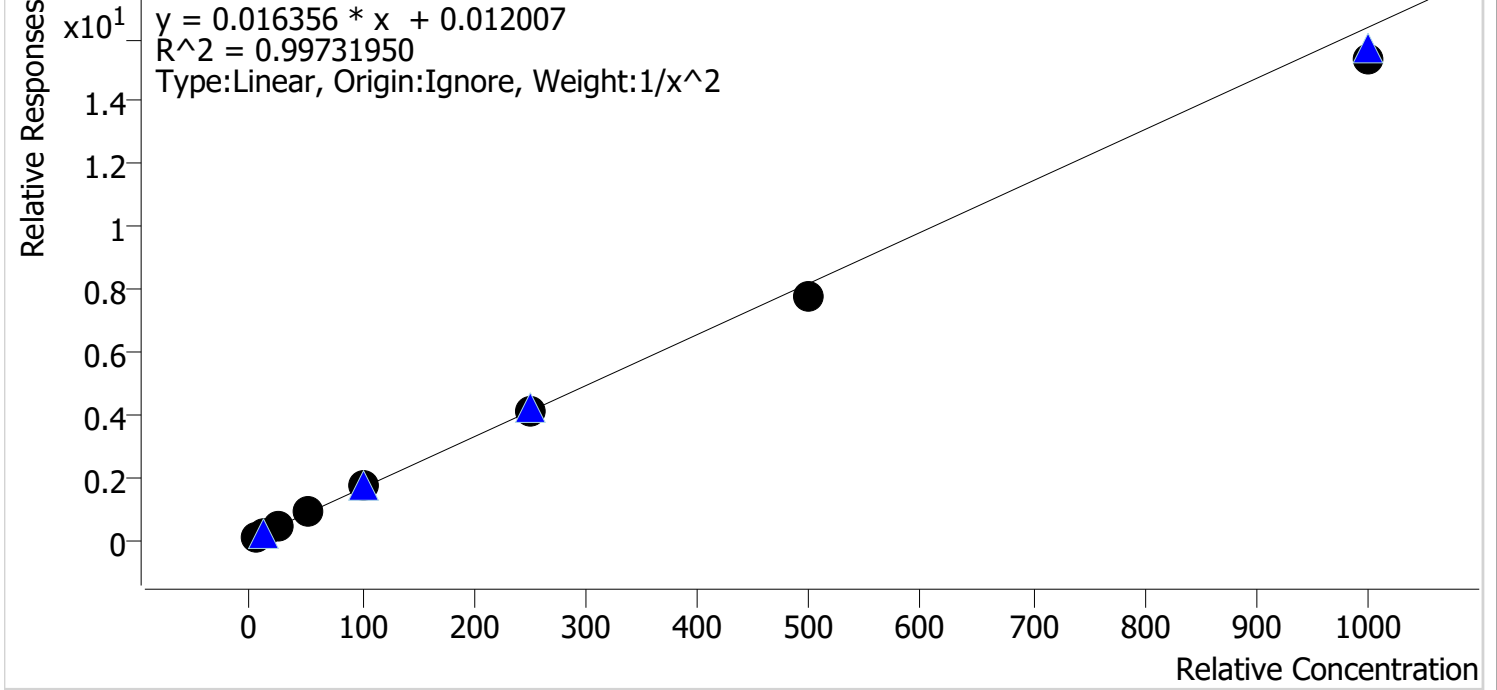
AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	471.1	94.2
p1 Cal 8-1000ng	8	✓	1000.0	935.6	93.6

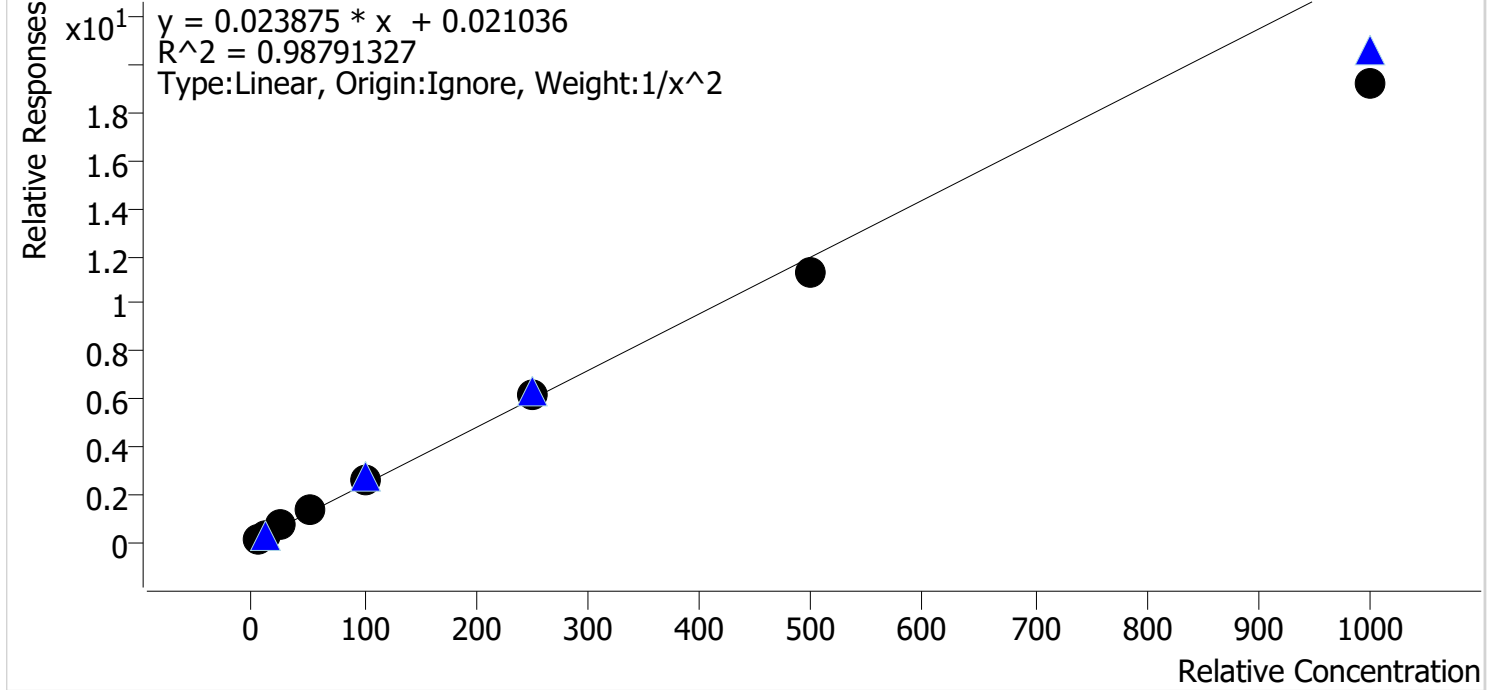
AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.8
p1 Cal 2-10ng	2	✓	10.0	10.5	105.2
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.0
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	470.8	94.2
p1 Cal 8-1000ng	8	✓	1000.0	805.4	80.5

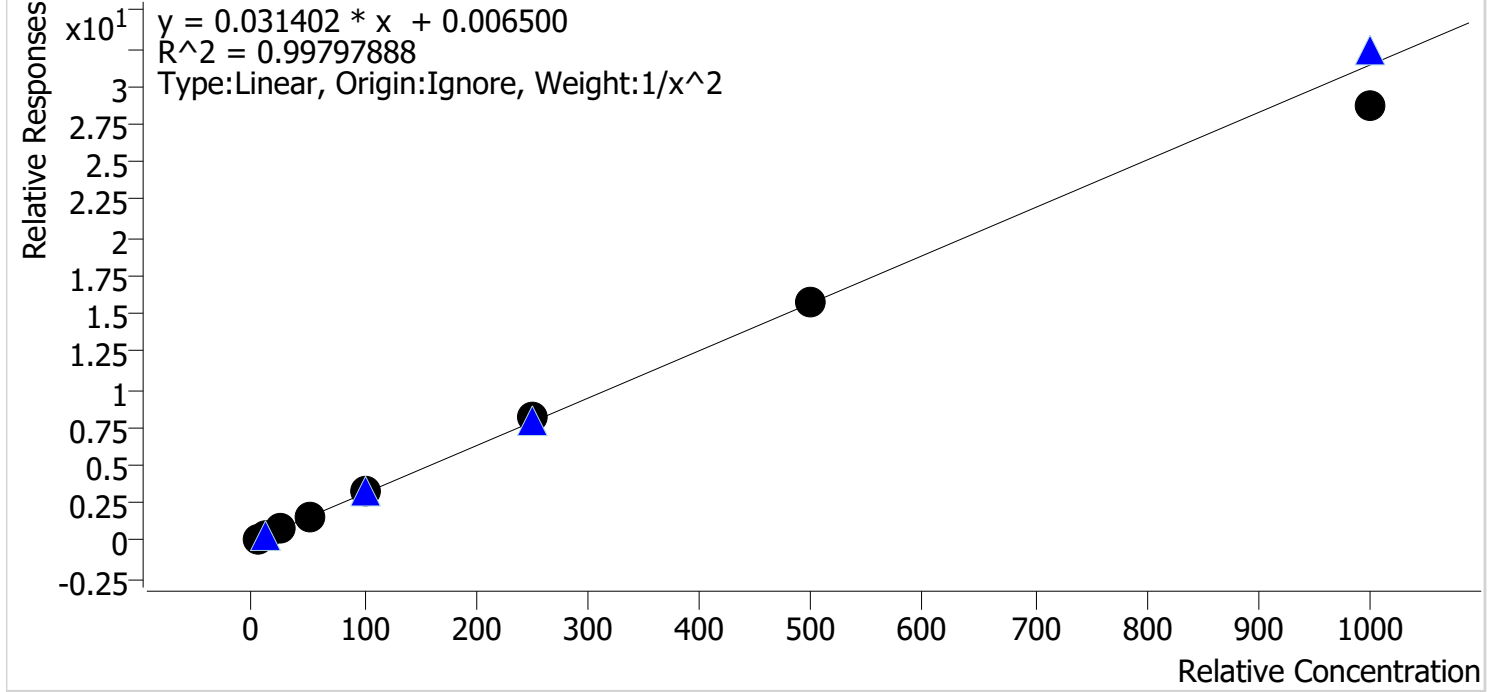
AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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



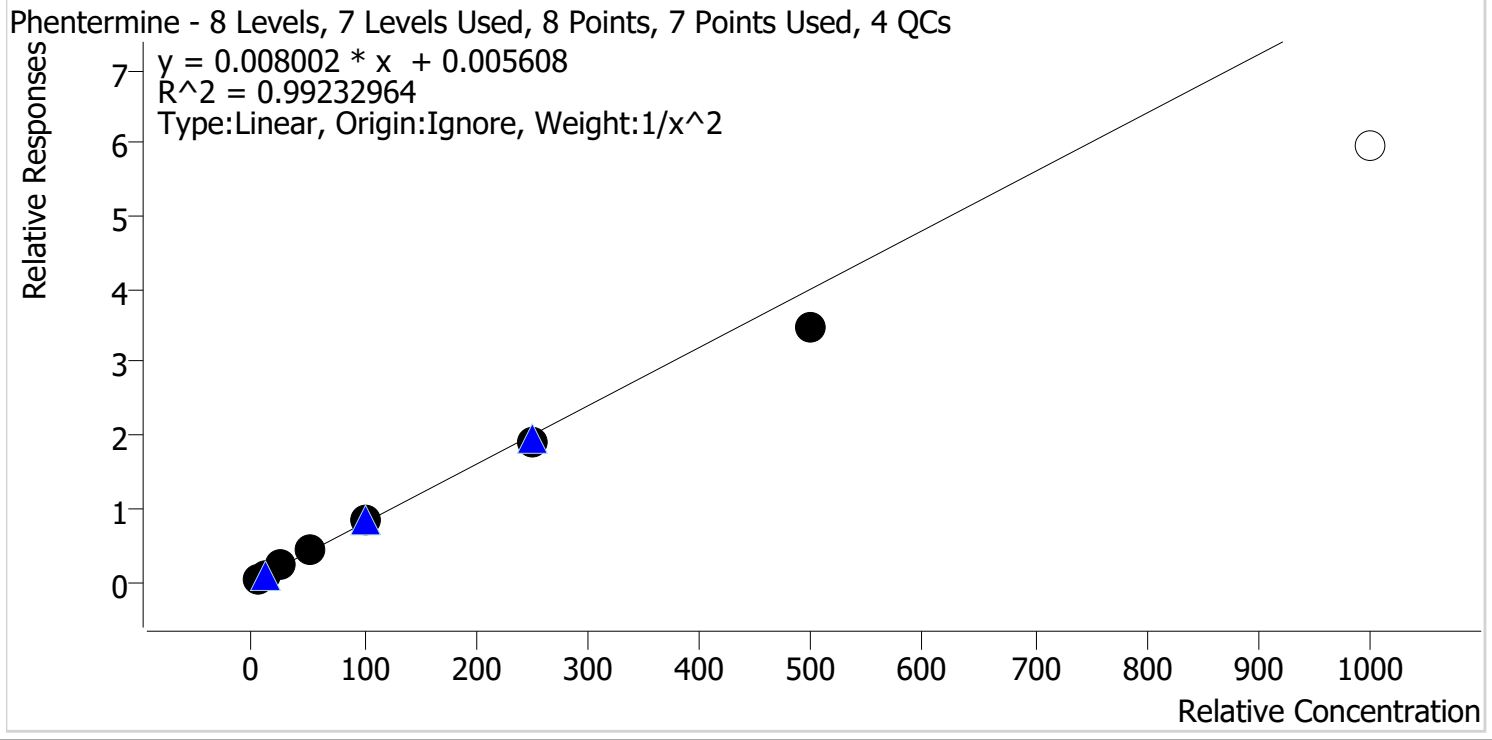
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	911.3	91.1

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	241.0	96.4
p1 Cal 7-500ng	7	✓	500.0	433.4	86.7
p1 Cal 8-1000ng	8	✗	1000.0	747.4	74.7

Cal 8 dropped due to accuracy

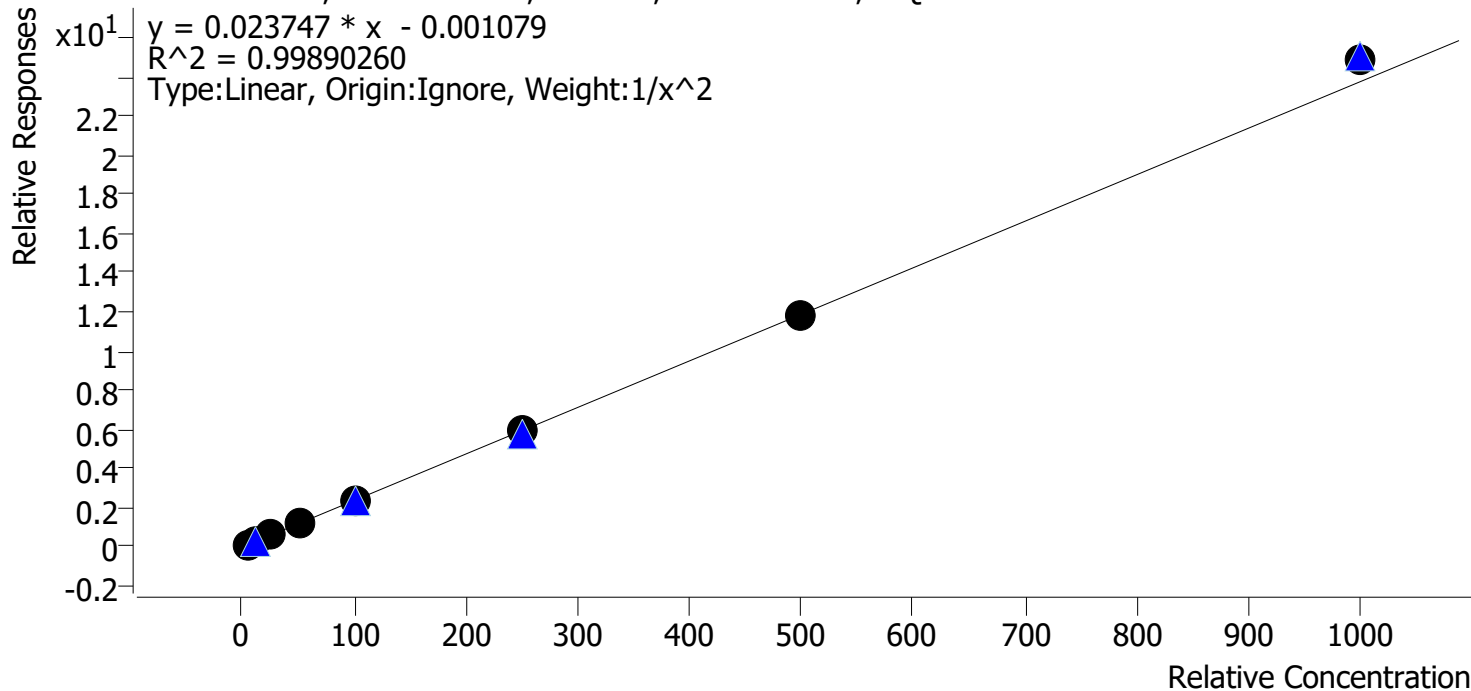
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.2
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	501.1	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1049.8	105.0

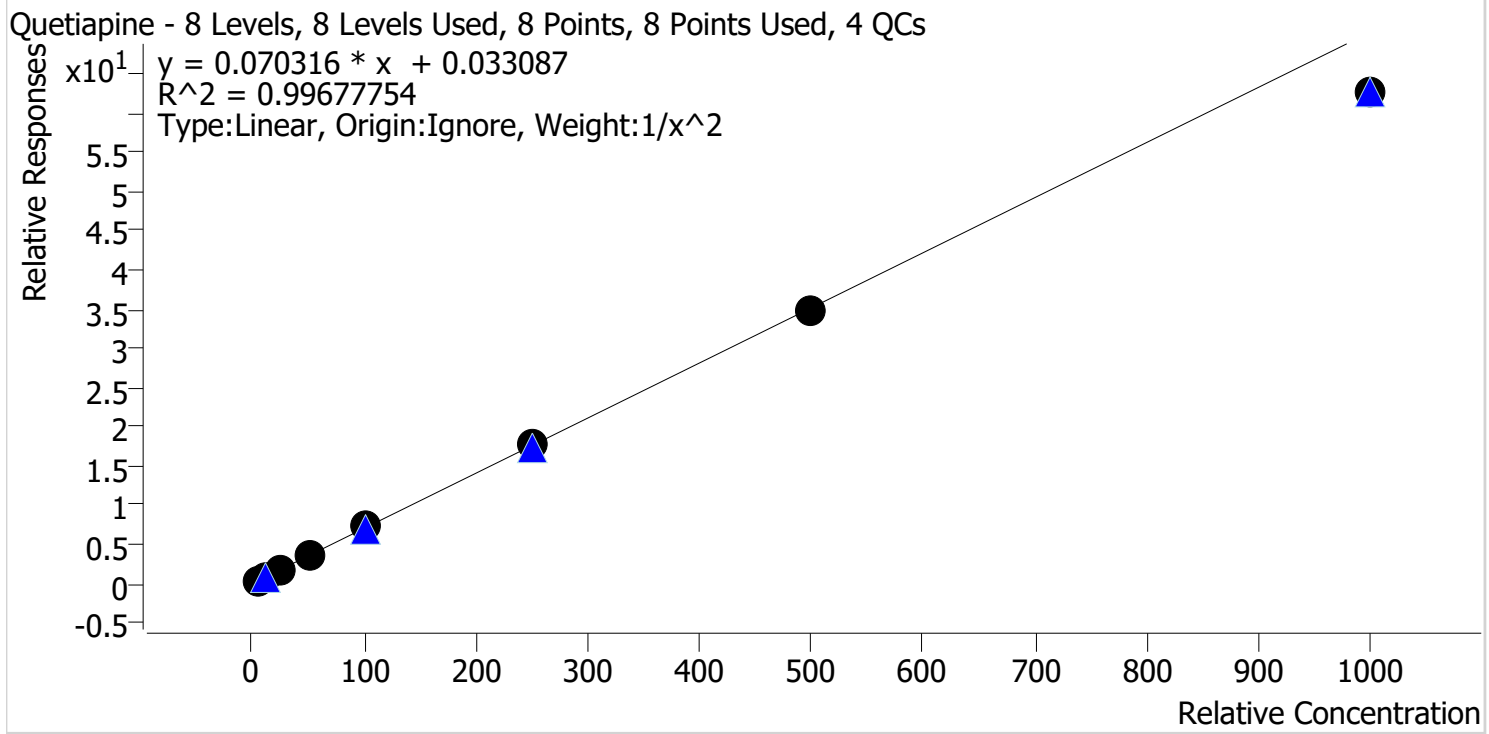


AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



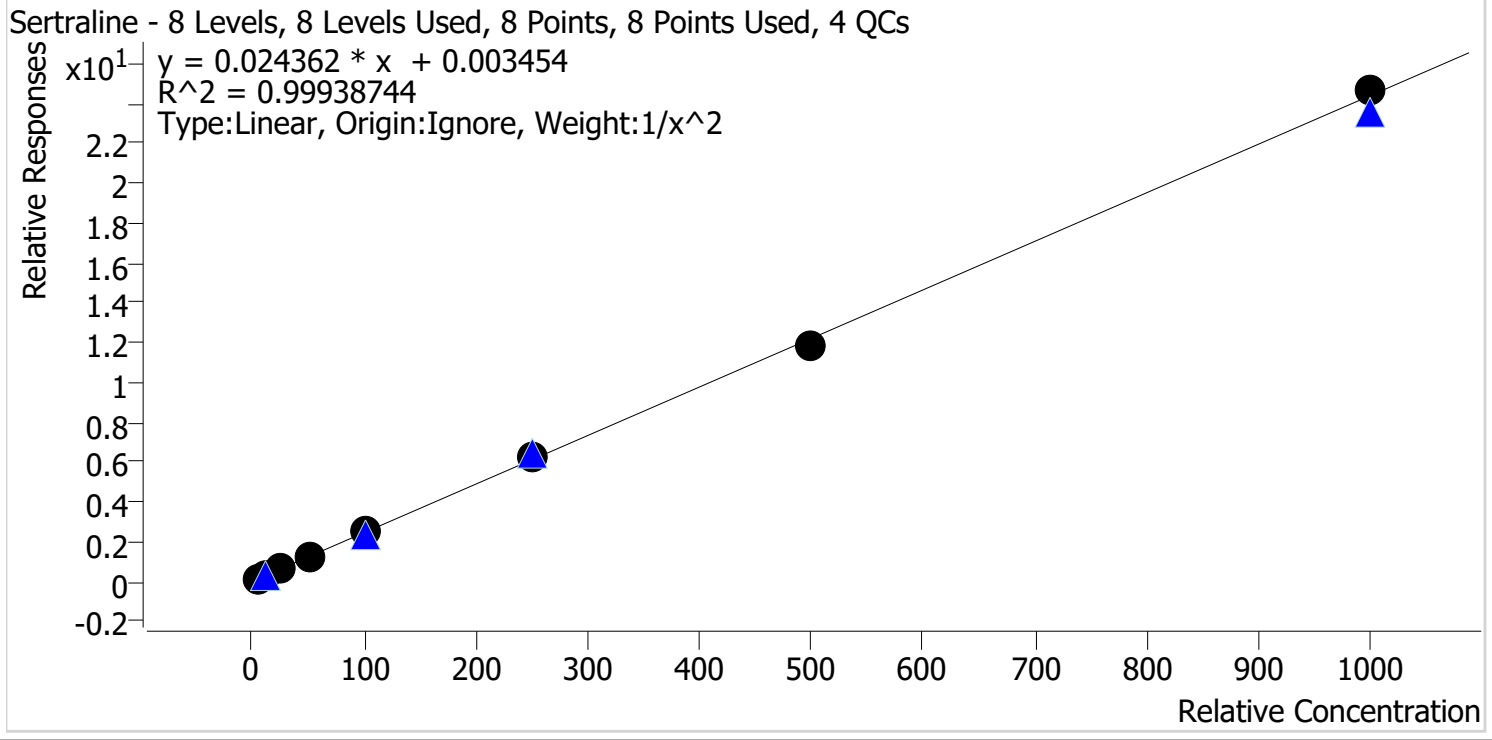
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	253.9	101.5
p1 Cal 7-500ng	7	✓	500.0	495.1	99.0
p1 Cal 8-1000ng	8	✓	1000.0	890.6	89.1

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



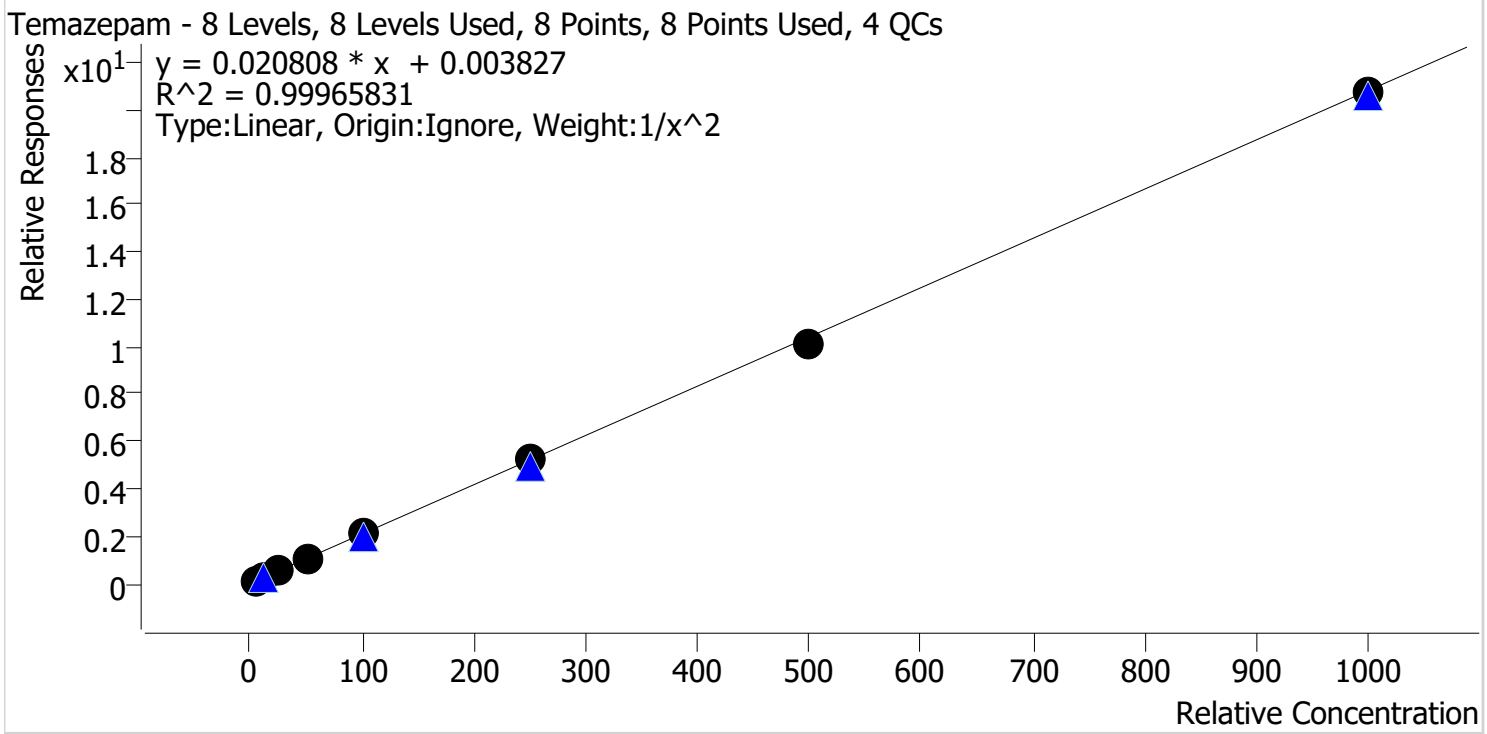
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	487.1	97.4
p1 Cal 8-1000ng	8	✓	1000.0	1010.5	101.0

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



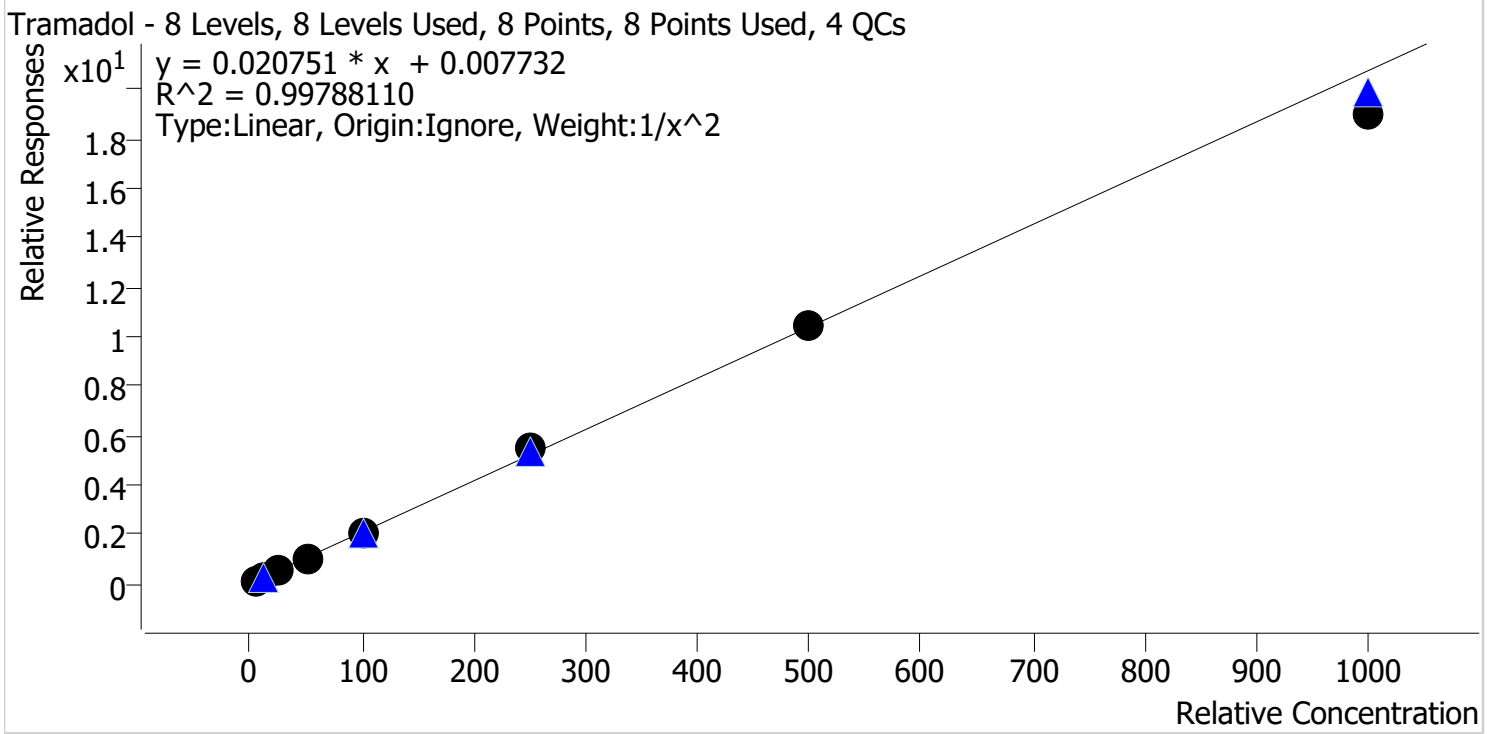
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	485.8	97.2
p1 Cal 8-1000ng	8	✓	1000.0	996.0	99.6

AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	263.9	105.6
p1 Cal 7-500ng	7	✓	500.0	501.7	100.3
p1 Cal 8-1000ng	8	✓	1000.0	912.7	91.3

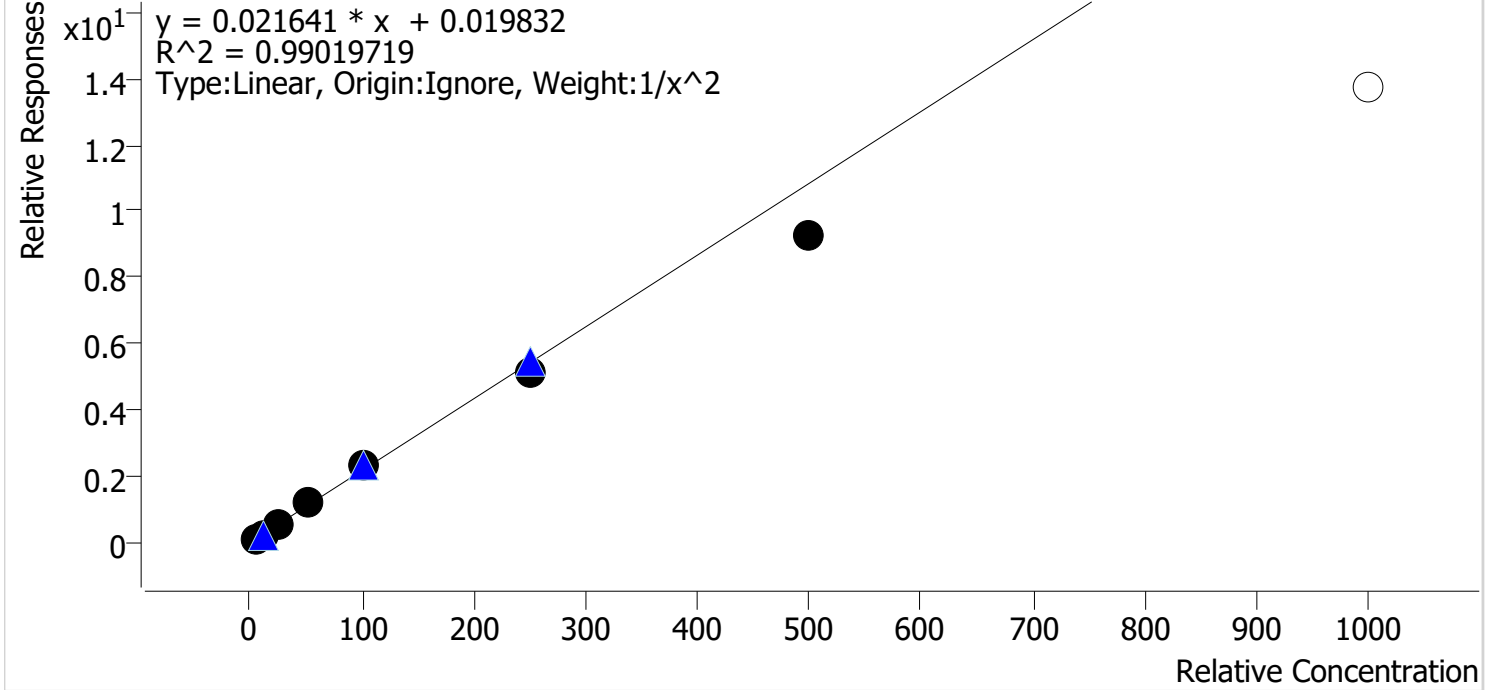
AS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	55.0	110.0
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	236.4	94.6
p1 Cal 7-500ng	7	✓	500.0	426.4	85.3
p1 Cal 8-1000ng	8	x	1000.0	631.6	63.2

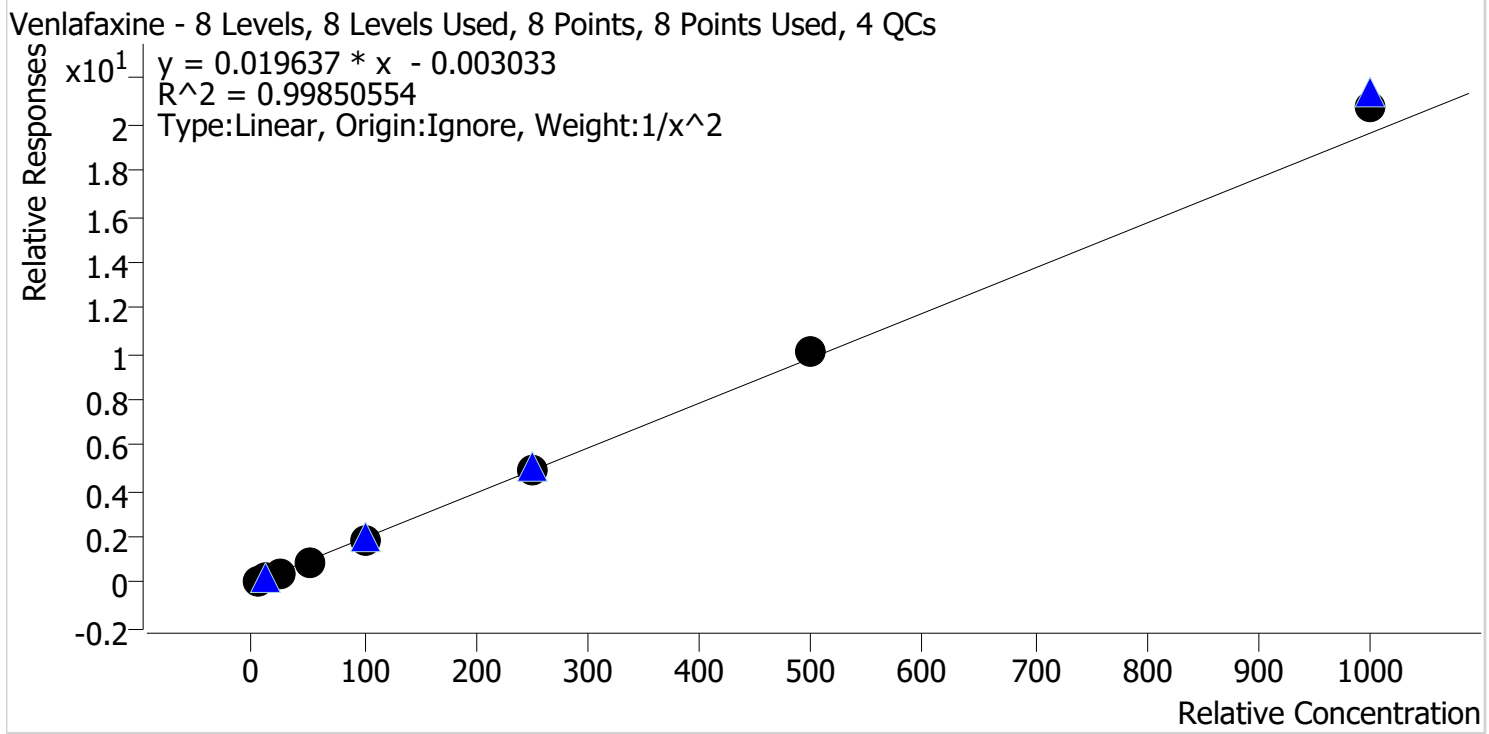
Cal 8 dropped due to accuracy

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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.6
p1 Cal 4-50ng	4	✓	50.0	48.9	97.7
p1 Cal 5-100ng	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	513.2	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1060.9	106.1

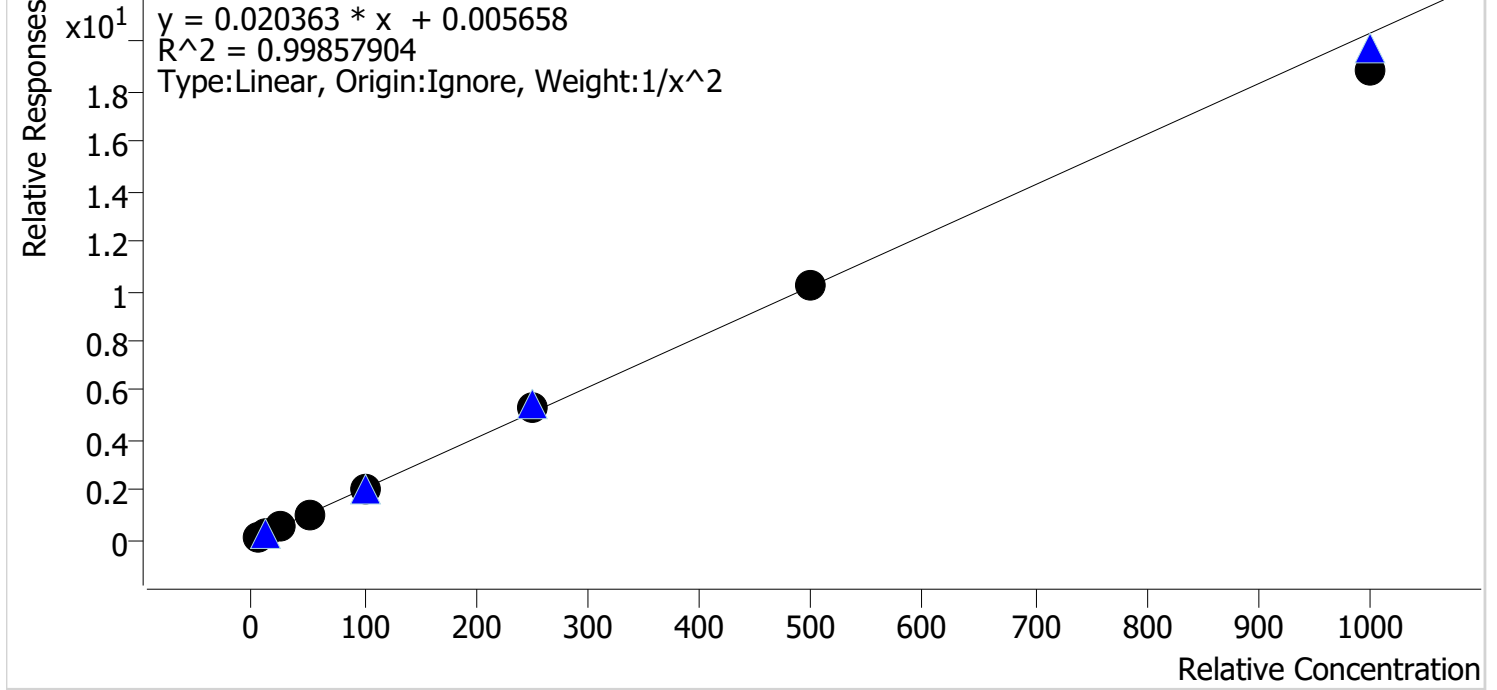
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 8/10/2022 3:49 PM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	259.0	103.6
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	926.0	92.6

# AM #28 Multi-Drug Quant. Results

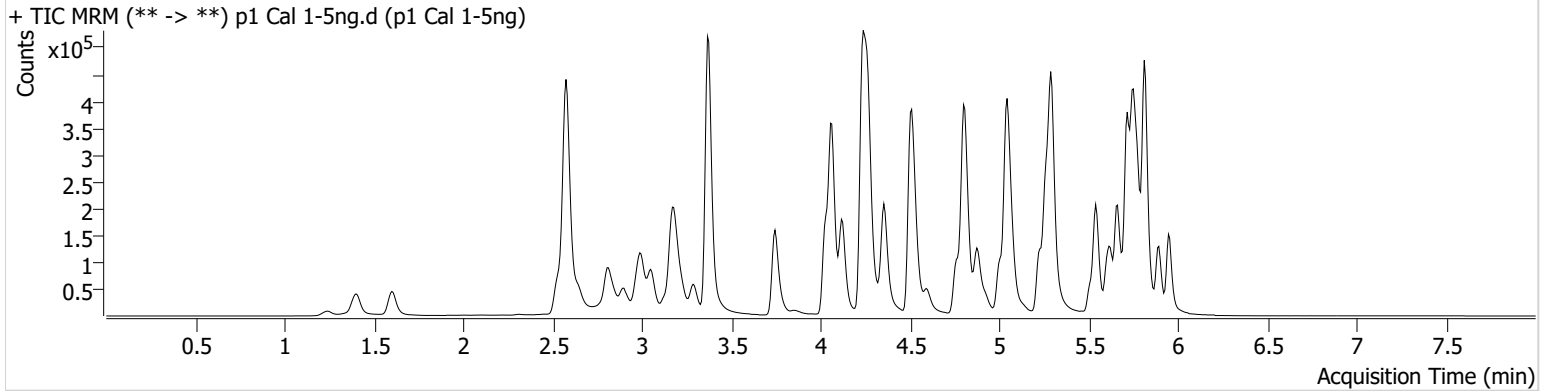
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**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 1-5ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/8/2022 10:46:02 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.134	1111	3234.63	63.5	3348.61	54363	0.4850 ng/ml
7-aminoclonazepam	4.249	25092	678.19	74.0	9136.96	182257	4.8133 ng/ml
a-hydroxyalprazolam	5.692	11256	678.45	64.0	85.49	285190	4.7839 ng/ml
alpha-PHP	4.922	14032	270.93	250.2	1018.21	422484	5.1987 ng/ml
alpha-PVP	4.361	58131	334.31	51.2	3867.30	422484	5.0584 ng/ml
Alprazolam	5.776	41186	267.59	112.3	722.88	285190	5.1073 ng/ml
Amphetamine	3.051	86261	370.73	48.5	242.48	188069	4.7869 ng/ml
Benzoylecgonine	3.877	2213	14.04	9.6	133.68	12401	5.1080 ng/ml
Buprenorphine	5.663	745	113.72	14.9	185.10	53544	0.4880 ng/ml
Bupropion	4.773	35060	318.82	67.2	124.90	240664	5.0097 ng/ml
Carisoprodol	5.724	48192	96023.69	62.5	142.55	445674	5.0990 ng/ml
Citalopram	5.225	28682	262.84	34.2	8311.00	247763	5.0822 ng/ml
Clonazepam	5.605	45341	594.89	34.8	19172.17	117990	4.7911 ng/ml
Clonazepam	5.549	28658	2449.21	36.0	17902.29	117990	4.9202 ng/ml
Cocaine	4.262	43913	112026.89	57.1	490.17	697838	5.0421 ng/ml
Codeine	2.580	6351	6234.30	98.4	173.23	58373	4.8651 ng/ml
Cyclobenzaprine	5.628	16769	796.75	7.6	25.32	138754	5.1083 ng/ml
Dextromethorphan	5.268	13481	54.49	88.8	45297.35	114674	4.9515 ng/ml
Dextrophan	4.123	16147	2634.03	202.2	1864.24	334261	5.0406 ng/ml
Diazepam	5.954	28319	165.06	89.6	467.74	254292	4.9444 ng/ml
Dihydrocodeine	2.559	15261	67.31	65.4	570.16	173210	4.8671 ng/ml
Diphenhydramine	5.295	68339	137.30	31.8	256.78	845168	5.0791 ng/ml
Doxylamine	4.521	117403	3136.81	97.0	4548.51	1003470	5.0210 ng/ml
EDDP	5.261	41704	248.85	42.2	138.68	438382	5.0482 ng/ml
Etizolam	5.814	20488	20584.47	26.8	13788.40	117990	5.2369 ng/ml
Fentanyl	5.082	1992	267.31	64.2	1208.03	194107	0.5188 ng/ml
Flualprazolam	5.706	16410	986.94	106.0	779.11	285190	4.8897 ng/ml
Fluoxetine	5.714	26014	593.98	8.2	2915.52	195092	5.0773 ng/ml
Hydrocodone	3.021	22076	76.08	38.5	305.66	242770	4.7848 ng/ml
Hydromorphone	1.608	20340	708.93	76.2	823.54	123717	4.9949 ng/ml
Ketamine	4.042	48073	278.00	33.8	120.64	406731	4.9548 ng/ml
Lamotrigine	4.272	4792	342.68	85.2	1678.28	406731	4.1151 ng/ml
Levetiracetam	2.644	25473	229.54	166.8	1251.96	1141286	5.0400 ng/ml



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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	39192	577.22	49.2	74.75	117990	4.7253 ng/ml
MDA	3.199	60091	239.44	27.6	196.79	293417	4.8091 ng/ml
MDMA	3.292	37833	1954.27	90.5	792.31	75635	5.0520 ng/ml
Meprobamate	4.903	27856	3172.85	28.9	1107.25	261206	4.8029 ng/ml
Methadone	5.659	36321	1003.16	59.1	158.00	306801	5.0821 ng/ml
Methamphetamine	3.227	53649	279.56	37.5	104.07	319397	4.9343 ng/ml
Metoprolol	4.331	11704	7564.08	95.0	692.24	1023928	4.8766 ng/ml
Mirtazapine	4.596	54216	1097.11	53.7	486.69	422484	5.2403 ng/ml
Mitragynine	5.209	8928	6042.20	38.4	66.80	306801	4.9474 ng/ml
Morphine	1.247	3062	319.08	27.1	1460.42	8605	4.9691 ng/ml
Nordiazepam	5.900	31479	501.10	53.5	165.63	204667	4.8934 ng/ml
Norfentanyl	4.084	10342	550.39	39.0	61.06	808587	0.5236 ng/ml
Norhydrocodone	3.068	3018	72.68	39.1	45.56	59762	5.2436 ng/ml
Noroxycodone	2.918	22344	78.63	44.9	362.00	120056	5.0330 ng/ml
O-desmethyl-tramadol	3.372	118584	1169.62	6.0	391.08	1232463	5.0979 ng/ml
Oxazepam	5.750	52132	769.87	71.7	223.87	560719	4.9503 ng/ml
Oxycodone	2.836	39885	243.79	32.8	1508.25	297202	4.7400 ng/ml
Oxymorphone	1.405	21167	175.35	47.9	319.98	130038	4.9765 ng/ml
Phentermine	3.780	19068	173.85	5.5	31.36	433536	4.7959 ng/ml
Promethazine	5.538	41499	321.98	30.8	336.24	353419	4.9902 ng/ml
Pseudoephedrine	2.583	115772	697.38	16.8	3730.24	1141286	5.1269 ng/ml
Quetiapine	5.514	37145	382.27	56.3	23089.84	98414	4.8971 ng/ml
Sertraline	5.783	12006	208.69	92.8	144.79	95352	5.0266 ng/ml
Temazepam	5.817	88815	334.50	27.7	339.50	822783	5.0036 ng/ml
Tramadol	4.244	113649	6288.67	3.3	232.64	1023928	4.9762 ng/ml
Trazodone	5.039	31870	169.21	80.7	1605.59	255321	4.8516 ng/ml
Venlafaxine	5.043	78604	4613.97	32.1	208.69	810249	5.0946 ng/ml
Zolpidem	4.819	101523	2254.41	31.2	1155.32	951743	4.9606 ng/ml

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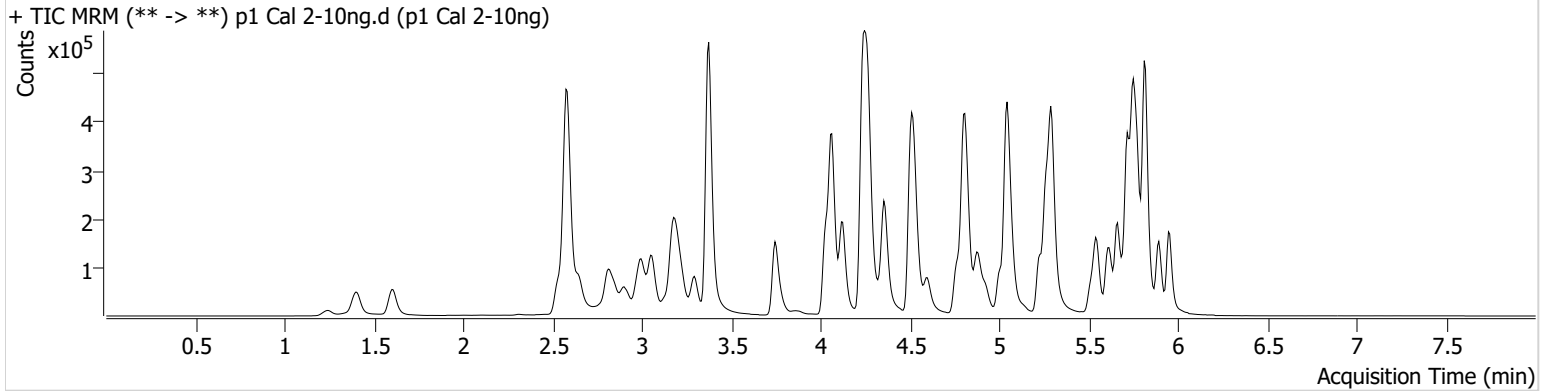


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 2-10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2-10ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-B1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/8/2022 10:56:49 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	2392	272.00	65.6	6065.32	54510	1.0782 ng/ml
7-aminoclonazepam	4.249	51676	819.89	70.6	2930.32	186379	10.4088 ng/ml
a-hydroxyalprazolam	5.692	22401	165.51	67.6	608.30	295691	10.4069 ng/ml
alpha-PHP	4.922	25057	1631.48	269.3	4973.87	415982	9.3429 ng/ml
alpha-PVP	4.361	111785	539.43	49.9	336.79	415982	9.9063 ng/ml
Alprazolam	5.776	82403	616.33	109.5	2848.30	295691	9.6356 ng/ml
Amphetamine	3.058	159859	250.79	49.1	1088.63	183379	10.2811 ng/ml
Benzoylcegonine	3.877	4116	145.20	6.6	40.40	12264	9.9227 ng/ml
Buprenorphine	5.663	1288	768.86	15.4	452.21	45571	1.0268 ng/ml
Bupropion	4.780	64155	411.60	67.6	116.44	227790	9.9194 ng/ml
Carisoprodol	5.724	96083	42764.88	62.2	350.40	444951	9.8772 ng/ml
Citalopram	5.225	49630	454.51	32.5	331.45	220293	9.8427 ng/ml
Clonazepam	5.605	91050	5784.03	33.5	3368.09	119746	10.4558 ng/ml
Clonazepam	5.549	57801	90505.98	34.4	43098.50	119746	10.0676 ng/ml
Cocaine	4.262	82958	644.43	57.6	188.17	686602	9.9178 ng/ml
Codeine	2.587	11924	784.81	105.5	30497.50	57584	10.1461 ng/ml
Cyclobenzaprine	5.628	19409	25159.47	9.6	124.45	81585	9.7326 ng/ml
Dextromethorphan	5.268	21623	1910.30	86.4	41444.34	89391	10.1514 ng/ml
Dextrophan	4.123	32068	2779.10	197.2	3669.27	327224	9.9826 ng/ml
Diazepam	5.954	55998	1203.06	89.4	848.37	251955	10.1744 ng/ml
Dihydrocodeine	2.559	29302	115.64	69.7	1265.01	173970	10.0819 ng/ml
Diphenhydramine	5.295	115370	204.05	32.2	1515.95	719675	9.8650 ng/ml
Doxylamine	4.521	225026	2134.91	98.9	22825.99	981749	9.9611 ng/ml
EDDP	5.261	81701	2094.92	40.4	1616.31	429234	9.8440 ng/ml
Etizolam	5.814	41013	134956.47	27.1	10677.59	119746	9.5841 ng/ml
Fentanyl	5.075	2677	401.26	72.3	3499.12	143360	0.9539 ng/ml
Flualprazolam	5.706	33838	2147.94	100.5	5332.08	295691	10.1336 ng/ml
Fluoxetine	5.714	23336	282.20	8.2	2947.32	87851	9.8495 ng/ml
Hydrocodone	3.027	43583	479.94	36.7	50.69	240273	10.3103 ng/ml
Hydromorphone	1.608	40267	1569.12	77.9	1285.15	123459	10.0048 ng/ml
Ketamine	4.042	91842	270.24	34.3	∞	404557	9.9979 ng/ml
Lamotrigine	4.272	8532	145.66	91.2	304.69	404557	9.3494 ng/ml
Levetiracetam	2.651	50199	788.77	159.8	1418.67	1125995	10.0632 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	74118	487.54	52.8	287.94	119746	10.7893 ng/ml
MDA	3.199	112833	1090.38	28.5	605.95	288079	10.1445 ng/ml
MDMA	3.299	71860	3176.18	89.0	463.75	74580	9.8216 ng/ml
Meprobamate	4.903	55316	983.62	28.1	1594.39	260016	10.4748 ng/ml
Methadone	5.659	58138	380.87	61.1	455.66	248810	9.8397 ng/ml
Methamphetamine	3.227	81577	397.28	37.3	216.78	295374	9.9289 ng/ml
Metoprolol	4.331	22837	58029.48	97.0	941.22	1024146	10.1582 ng/ml
Mirtazapine	4.596	98993	803.24	53.2	1016.23	415982	9.3954 ng/ml
Mitragynine	5.209	14160	35729.39	38.4	86.18	248810	10.1093 ng/ml
Morphine	1.247	5913	∞	29.9	633.40	8457	9.9474 ng/ml
Nordiazepam	5.893	61968	1756.87	54.5	362.93	204427	10.1164 ng/ml
Norfentanyl	4.084	19219	342.17	38.1	99.30	813771	0.9509 ng/ml
Norhydrocodone	3.075	6044	63.22	41.7	62.47	59218	9.3658 ng/ml
Noroxycodone	2.918	41863	258.14	47.7	194.80	121732	9.7434 ng/ml
O-desmethyl-tramadol	3.379	232335	26988.25	5.9	1002.86	1219972	9.8007 ng/ml
Oxazepam	5.750	97437	4354.62	74.7	560.12	560343	9.8973 ng/ml
Oxycodone	2.843	82131	572.91	30.7	1468.77	301861	10.5152 ng/ml
Oxymorphone	1.405	40894	∞	49.2	103.97	128842	9.9006 ng/ml
Phentermine	3.780	36700	116.03	4.7	6.68 <b>Low</b>	411873	10.4351 ng/ml
Promethazine	5.538	46864	1497.77	28.4	157.56	193515	10.2436 ng/ml
Pseudoephedrine	2.590	224632	3565.36	16.8	581.26	1125995	9.7915 ng/ml
Quetiapine	5.521	68096	63169.38	55.5	53540.22	90776	10.1977 ng/ml
Sertraline	5.783	10188	157.21	92.1	25814.10	41209	10.0063 ng/ml
Temazepam	5.817	174586	509.65	28.0	209.22	828561	9.9422 ng/ml
Tramadol	4.244	220216	1110.02	3.3	118.64	1024146	9.9894 ng/ml
Trazodone	5.039	54133	125289.33	80.8	3018.37	226087	10.1475 ng/ml
Venlafaxine	5.043	150714	1111.03	32.9	785.57	793566	9.8258 ng/ml
Zolpidem	4.819	201110	548.99	29.9	35044.24	956678	10.0456 ng/ml

# AM #28 Multi-Drug Quant. Results

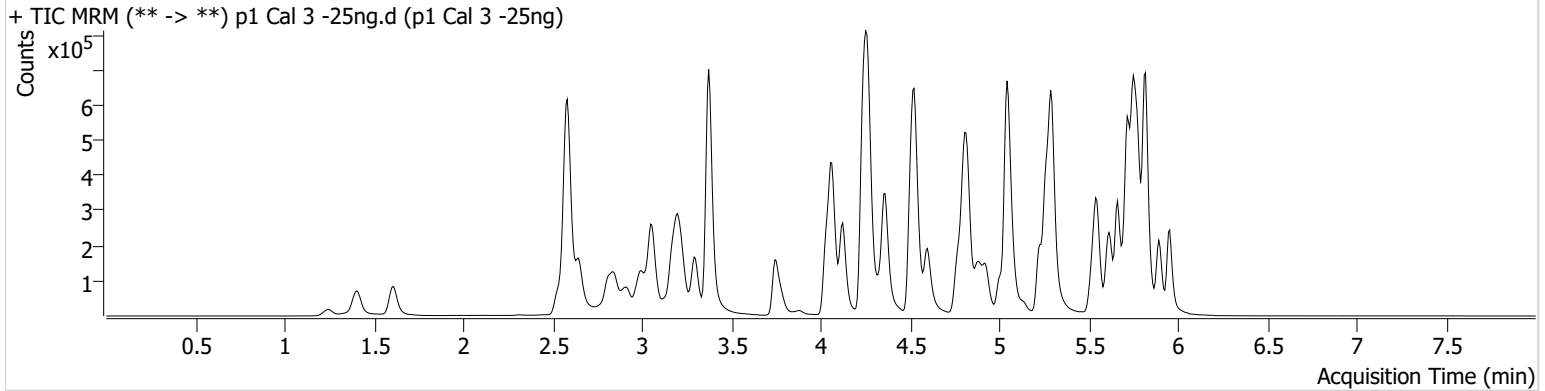
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**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 3 -25ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 3 -25ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/8/2022 11:07:25 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	5291	862.92	69.9	7126.12	55581	2.3755 ng/ml
7-aminoclonazepam	4.256	126888	6017.16	72.0	751.63	184722	26.8298 ng/ml
a-hydroxyalprazolam	5.692	52512	319.09	66.2	528.79	284586	27.2592 ng/ml
alpha-PHP	4.929	70045	1717.19	262.8	11258.61	438716	24.5903 ng/ml
alpha-PVP	4.361	289193	11264.64	50.7	27237.15	438716	24.3411 ng/ml
Alprazolam	5.776	204261	1801.21	107.5	723.22	284586	24.4441 ng/ml
Amphetamine	3.058	416875	996.20	48.8	1411.16	194277	27.2268 ng/ml
Benzoylecgonine	3.884	9430	267.85	7.5	79.16	12017	23.6787 ng/ml
Buprenorphine	5.663	3874	740.91	13.8	796.20	53977	2.6623 ng/ml
Bupropion	4.780	185330	1104.11	68.8	241.23	266100	24.8996 ng/ml
Carisoprodol	5.724	227478	402824.80	60.9	288.45	425718	23.9892 ng/ml
Citalopram	5.225	141101	5236.88	35.0	125842.64	253133	24.2787 ng/ml
Clonazepam	5.612	209434	3940.78	35.8	454.58	116595	26.0590 ng/ml
Clonazepam	5.549	139759	14893.09	36.1	50192.13	116595	25.4356 ng/ml
Cocaine	4.262	205265	966.94	58.5	243.11	703661	24.3087 ng/ml
Codeine	2.587	29335	211.55	105.3	234.43	57399	26.4824 ng/ml
Cyclobenzaprine	5.628	69972	79.42	8.2	147.94	114508	24.4763 ng/ml
Dextromethorphan	5.268	66795	406.94	83.2	1810.17	110713	25.2660 ng/ml
Dextrophan	4.123	82983	9029.65	196.1	14466.79	343045	24.2929 ng/ml
Diazepam	5.954	135016	2247.23	91.0	1078.72	250794	25.0829 ng/ml
Dihydrocodeine	2.559	74448	134266.43	66.4	953.38	174120	26.9053 ng/ml
Diphenhydramine	5.295	340909	9809.15	31.2	227.09	847665	24.4344 ng/ml
Doxylamine	4.528	595437	11389.42	98.0	24656.13	1051776	24.7939 ng/ml
EDDP	5.261	221836	266.12	40.7	3895.52	452870	24.9302 ng/ml
Etizolam	5.814	99631	7493.07	26.5	64299.77	116595	22.7659 ng/ml
Fentanyl	5.082	8556	566.93	65.3	15718.22	183150	2.4046 ng/ml
Flualprazolam	5.706	81216	1961.01	101.4	13076.71	284586	25.8893 ng/ml
Fluoxetine	5.714	96247	31790.36	7.7	369.79	144374	24.3164 ng/ml
Hydrocodone	3.027	108974	160.33	37.0	155.27	232776	27.8269 ng/ml
Hydromorphone	1.615	99417	572264.65	77.7	579.55	122880	24.9622 ng/ml
Ketamine	4.042	230246	324.77	34.0	1030.90	409178	25.5543 ng/ml
Lamotrigine	4.278	21526	686.72	90.9	499.86	409178	27.0740 ng/ml
Levetiracetam	2.651	120513	1983.60	164.4	1633.65	1141646	23.8227 ng/ml

ABY



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	165039	2549.69	53.0	715.34	116595	27.6313 ng/ml
MDA	3.205	294411	2259.69	28.9	704.92	294093	27.5435 ng/ml
MDMA	3.299	189775	5426.23	90.4	1197.37	78455	24.8033 ng/ml
Meprobamate	4.903	129992	16207.44	28.3	149.41	252150	26.6621 ng/ml
Methadone	5.659	181022	16294.08	59.9	3089.87	309465	24.3375 ng/ml
Methamphetamine	3.227	197594	1218.10	39.0	1362.78	320203	25.6636 ng/ml
Metoprolol	4.331	57751	19057.52	98.6	2288.29	1042066	26.2543 ng/ml
Mirtazapine	4.596	274896	13672.40	53.5	18244.89	438716	24.1219 ng/ml
Mitragynine	5.209	42658	3042.90	35.5	31059.21	309465	25.1305 ng/ml
Morphine	1.247	14744	859.37	26.1	841.69	8272	25.6516 ng/ml
Norbuprenorphine	4.998	498	34.39	87.4	296.64	8181	2.5126 ng/ml
Nordiazepam	5.900	150051	386.60	53.9	2086.98	195998	26.2916 ng/ml
Norfentanyl	4.084	50245	568.76	37.6	272.32	861618	2.3202 ng/ml
Norhydrocodone	3.075	15700	101.71	38.4	182.61	56239	23.5210 ng/ml
Noroxycodone	2.918	102171	626.77	47.7	368.00	116187	25.7286 ng/ml
O-desmethyl-tramadol	3.379	573835	17535.41	6.1	116.66	1205264	24.0582 ng/ml
Oxazepam	5.750	226962	383.33	72.4	2697.93	518894	26.0080 ng/ml
Oxycodone	2.843	201274	716.18	30.4	313.71	302378	26.9994 ng/ml
Oxymorphone	1.405	103236	247.67	46.2	343.35	126368	25.8090 ng/ml
Phentermine	3.780	94155	227.24	4.7	96.39	433051	26.4718 ng/ml
Promethazine	5.538	165826	723.06	30.6	237.58	290915	24.0495 ng/ml
Pseudoephedrine	2.590	564523	9316.78	17.5	21646.34	1141646	23.8240 ng/ml
Quetiapine	5.521	187457	97041.35	57.3	319893.92	102341	25.5787 ng/ml
Sertraline	5.783	42346	1010.31	90.9	110.65	71441	24.1884 ng/ml
Temazepam	5.817	420437	5628.23	26.7	326.48	804330	24.9365 ng/ml
Tramadol	4.251	556568	515.21	3.4	204.56	1042066	25.3658 ng/ml
Trazodone	5.039	154816	222792.84	81.8	319.67	260818	26.5119 ng/ml
Venlafaxine	5.043	405069	636.98	31.9	359.85	859958	24.1410 ng/ml
Zolpidem	4.819	497785	2930.90	29.5	1084.58	950465	25.4417 ng/ml

AS

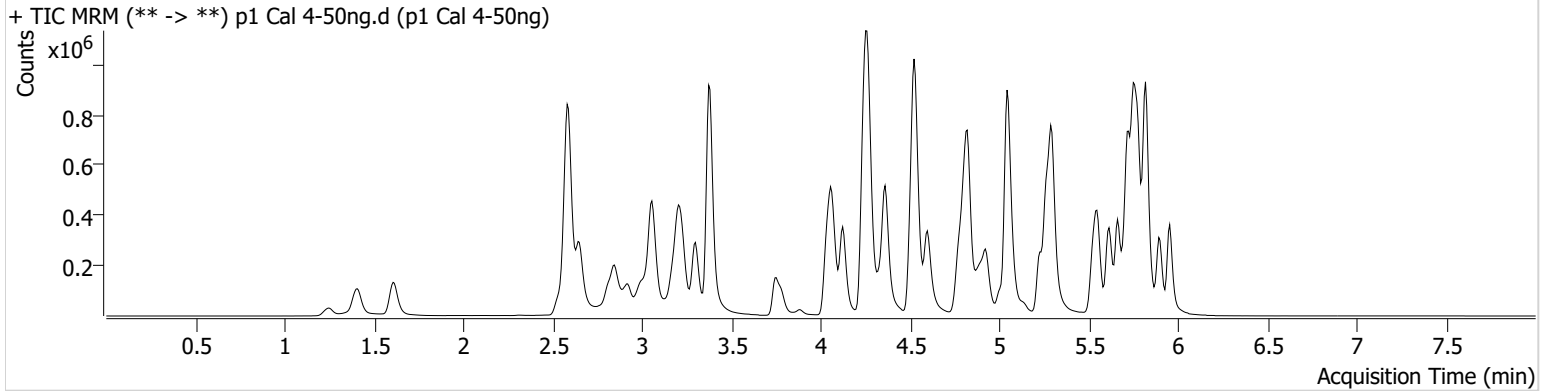


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 4-50ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 4-50ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-D1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/8/2022 11:18:01 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	10979	117.29	69.0	27998.27	54210	5.0892 ng/ml
7-aminoclonazepam	4.256	242180	14304.81	70.8	669.21	183370	52.2361 ng/ml
a-hydroxyalprazolam	5.692	97030	∞	67.7	553.60	272129	53.9154 ng/ml
alpha-PHP	4.929	134225	2003.03	257.8	1976.17	425495	48.4833 ng/ml
alpha-PVP	4.361	567215	707.46	51.2	1123.17	425495	49.2544 ng/ml
Alprazolam	5.776	400999	712.65	106.1	2115.87	272129	49.9354 ng/ml
Amphetamine	3.058	782707	11076.10	49.4	1059.71	184508	55.1102 ng/ml
Benzoylcegonine	3.884	20094	879.82	8.4	390.65	12885	47.4141 ng/ml
Buprenorphine	5.663	6011	4534.48	17.0	2188.09	46462	4.8270 ng/ml
Bupropion	4.780	355223	19755.82	67.8	3877.42	247239	51.6329 ng/ml
Carisoprodol	5.724	425159	309295.83	62.2	4539.61	397294	47.7365 ng/ml
Citalopram	5.225	241878	7533.19	34.5	2109.35	215367	48.8661 ng/ml
Clonazepam	5.612	409875	2965.77	34.6	813.52	111642	54.3022 ng/ml
Clonazepam	5.549	278149	507950.24	35.6	151887.51	111642	53.1837 ng/ml
Cocaine	4.262	407995	1205.58	57.5	8651.11	677070	50.4886 ng/ml
Codeine	2.587	57375	3801.26	103.4	363.19	56106	53.9712 ng/ml
Cyclobenzaprine	5.628	93681	85.97	7.9	153.75	76848	48.4964 ng/ml
Dextromethorphan	5.275	104672	6815.53	83.2	15629.87	87770	49.9085 ng/ml
Dextrophan	4.123	160288	1872.77	198.9	66730.10	322342	49.6873 ng/ml
Diazepam	5.954	266375	470.48	89.5	631.82	246691	50.6191 ng/ml
Dihydrocodeine	2.566	148399	251.80	67.7	19303.35	176896	53.6100 ng/ml
Diphenhydramine	5.295	578596	22217.72	32.5	19565.69	727465	48.1189 ng/ml
Doxylamine	4.528	1144061	47532.33	99.6	39343.88	1015490	49.4693 ng/ml
EDDP	5.261	414090	64746.33	39.8	214.44	420408	49.8701 ng/ml
Etizolam	5.814	197852	5984.43	28.2	76833.71	111642	46.3919 ng/ml
Fentanyl	5.082	12595	2060.94	66.4	12985.45	138746	4.6842 ng/ml
Flualprazolam	5.706	157611	13485.48	102.5	16390.75	272129	52.9674 ng/ml
Fluoxetine	5.714	105927	252817.63	7.9	12455.75	78203	49.1309 ng/ml
Hydrocodone	3.027	209746	164.63	38.5	174.53	241698	52.2397 ng/ml
Hydromorphone	1.615	198983	2499.09	78.2	3851.86	121543	50.6112 ng/ml
Ketamine	4.042	458785	13826.80	34.9	384.56	407609	51.6379 ng/ml
Lamotrigine	4.278	42688	840.12	90.6	35282.50	407609	56.3857 ng/ml
Levetiracetam	2.651	246035	1222.92	161.7	931.00	1113030	49.8820 ng/ml

ABY



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	280764	12061.30	53.3	853.82	111642	50.8765 ng/ml
MDA	3.205	542469	2811.11	28.2	802.64	278677	54.5381 ng/ml
MDMA	3.299	367329	7649.45	89.9	4966.79	75474	50.0040 ng/ml
Meprobamate	4.903	245738	379.16	28.4	6716.66	247284	52.2272 ng/ml
Methadone	5.659	293079	23882.21	59.7	1589.50	247823	49.0035 ng/ml
Methamphetamine	3.227	373782	1285.45	38.6	649.01	295760	55.5126 ng/ml
Metoprolol	4.331	111848	4889.61	97.6	4115.85	1027398	52.2270 ng/ml
Mirtazapine	4.596	500315	2305.21	53.0	1364.61	425495	44.9355 ng/ml
Mitragynine	5.209	69487	489.87	37.0	727.63	247823	51.5878 ng/ml
Morphine	1.247	29933	459.23	26.6	∞	8422	51.3429 ng/ml
Norbuprenorphine	5.005	801	37.04	87.1	1422.81	7003	4.9077 ng/ml
Nordiazepam	5.900	287549	2734.12	53.8	1750.91	191377	52.0686 ng/ml
Norfentanyl	4.084	98150	1064.68	36.3	114.20	833539	4.6658 ng/ml
Norhydrocodone	3.075	29264	604.12	41.3	132.12	50785	47.2673 ng/ml
Noroxycodone	2.918	192499	440.31	48.1	2735.35	113725	50.0074 ng/ml
O-desmethyl-tramadol	3.379	1163433	42592.22	6.1	35195.57	1187398	49.1984 ng/ml
Oxazepam	5.756	405718	3115.27	73.0	1474.17	460937	53.0810 ng/ml
Oxycodone	2.843	391242	1583.61	31.1	941.32	298829	53.9574 ng/ml
Oxymorphone	1.405	201863	2035.44	47.1	732.30	125107	51.1761 ng/ml
Phentermine	3.780	176583	272.05	5.0	117.67	403781	53.9540 ng/ml
Promethazine	5.545	221207	∞	30.3	340.88	189401	49.2286 ng/ml
Pseudoephedrine	2.590	1109976	18379.35	17.3	19734.03	1113030	47.7410 ng/ml
Quetiapine	5.521	329375	1243120.78	58.0	289.73	88730	52.3207 ng/ml
Sertraline	5.783	44758	100.17	91.5	292.39	36950	49.5787 ng/ml
Temazepam	5.817	790875	1192.34	27.3	1387.13	744155	50.8906 ng/ml
Tramadol	4.251	1088446	7413.46	3.4	375.48	1027398	50.6811 ng/ml
Trazodone	5.039	270185	19074.51	79.5	34748.70	223364	54.9782 ng/ml
Venlafaxine	5.043	780272	754.35	31.2	845.54	815567	48.8739 ng/ml
Zolpidem	4.825	990146	1415.47	29.9	3819.66	957892	50.4844 ng/ml



# AM #28 Multi-Drug Quant. Results

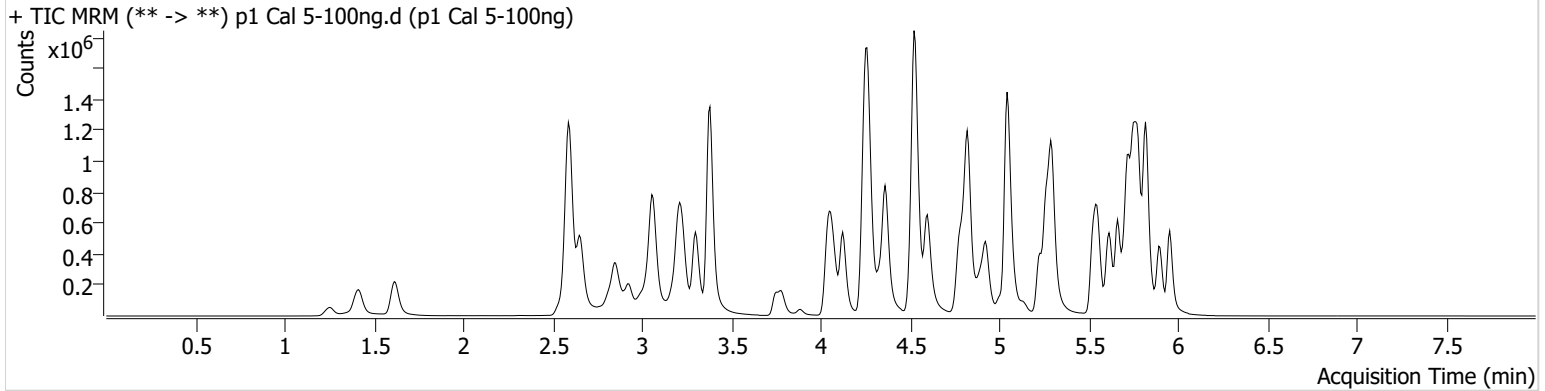
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**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-E1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/8/2022 11:28:38 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	21100	57443.28	71.4	1443.71	54222	9.8079 ng/ml
7-aminoclonazepam	4.256	424726	10651.34	70.1	14274.14	167810	100.7504 ng/ml
a-hydroxyalprazolam	5.692	159493	1767.18	66.7	724.32	241558	100.9742 ng/ml
alpha-PPH	4.929	257063	2804.54	262.3	6966.85	408271	96.6657 ng/ml
alpha-PVP	4.361	1092703	2125.96	51.7	1995.00	408271	98.9168 ng/ml
Alprazolam	5.776	723928	868.13	108.3	2951.01	241558	101.3136 ng/ml
Amphetamine	3.058	1456116	450.74	47.7	666.73	178316	107.2997 ng/ml
Benzoylcegonine	3.884	38214	6054.44	8.6	307.81	12209	95.5293 ng/ml
Buprenorphine	5.663	11956	945.46	15.8	477.38	43535	10.2862 ng/ml
Bupropion	4.780	670195	27523.05	69.2	3853.78	243293	99.2257 ng/ml
Carisoprodol	5.724	712294	411708.60	63.0	9658.03	332227	95.3318 ng/ml
Citalopram	5.225	477241	2345.97	34.0	78386.14	211669	98.0495 ng/ml
Clonazepam	5.612	696630	27902.35	35.6	12103.28	98558	105.4677 ng/ml
Clonazepam	5.549	486852	21287.22	36.2	243913.06	98558	105.7352 ng/ml
Cocaine	4.262	773333	153908.67	58.4	953.36	649397	100.0274 ng/ml
Codeine	2.594	105448	4390.30	99.1	4905.41	54125	103.7115 ng/ml
Cyclobenzaprine	5.628	183846	8740.33	7.9	83702.88	75411	96.6532 ng/ml
Dextromethorphan	5.268	206615	10946.38	82.5	50200.33	86048	100.4507 ng/ml
Dextrophan	4.123	309796	716078.21	199.8	21839.25	316249	97.6530 ng/ml
Diazepam	5.954	494569	4402.00	89.8	10468.58	229584	101.2918 ng/ml
Dihydrocodeine	2.566	276724	1666.32	69.3	1389.53	171311	104.0169 ng/ml
Diphenhydramine	5.295	1132417	4719.65	32.3	8751.18	705895	96.8435 ng/ml
Doxylamine	4.521	2333992	9210.59	98.9	1234.86	1034660	99.1824 ng/ml
EDDP	5.261	772244	2142.91	41.1	841.75	399908	97.5251 ng/ml
Etizolam	5.814	359263	3036.44	27.7	145025.36	98558	94.6125 ng/ml
Fentanyl	5.082	24654	341.14	67.2	29914.43	135061	9.4313 ng/ml
Flualprazolam	5.706	277044	10643.60	107.1	18751.71	241558	105.2932 ng/ml
Fluoxetine	5.714	188529	10109.20	8.1	22604.35	69621	97.9554 ng/ml
Hydrocodone	3.027	401890	916.47	38.4	1020.39	234513	103.9128 ng/ml
Hydromorphone	1.621	379293	3811.55	77.8	12211.87	117235	100.1131 ng/ml
Ketamine	4.042	889917	1366.52	34.4	4108.36	395836	103.6637 ng/ml
Lamotrigine	4.278	79082	3886.29	90.4	2710.27	395836	109.8437 ng/ml
Levetiracetam	2.658	450736	2728.20	163.0	15066.89	1057468	96.1818 ng/ml



ABY



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	408417	24029.76	53.8	1750.20	98558	85.3215 ng/ml
MDA	3.205	1004780	2399.90	28.5	959.19	266664	106.5396 ng/ml
MDMA	3.299	710697	808.90	89.3	3385.37	73375	99.6106 ng/ml
Meprobamate	4.903	428192	27280.24	27.9	237.52	224520	101.0569 ng/ml
Methadone	5.659	578872	14240.33	61.5	12851.99	249087	96.1080 ng/ml
Methamphetamine	3.233	641483	4585.03	39.4	838.91	282231	102.0877 ng/ml
Metoprolol	4.331	216668	771.67	98.7	4690.22	1007183	103.8647 ng/ml
Mirtazapine	4.596	990025	12369.81	53.5	25130.38	408271	92.2687 ng/ml
Mitragynine	5.209	136301	72468.51	35.8	116915.19	249087	101.1085 ng/ml
Morphine	1.253	57478	631.23	26.8	615.40	8108	102.5970 ng/ml
Norbuprenorphine	4.998	1459	466.00	102.1	5712.87	6332	10.1072 ng/ml
Nordiazepam	5.900	504087	15713.75	55.0	1234.39	169325	103.6436 ng/ml
Norfentanyl	4.084	196442	1516.57	37.1	1461.02	824322	9.4233 ng/ml
Norhydrocodone	3.075	54896	159.78	40.0	236.28	46172	96.2403 ng/ml
Noroxycodone	2.925	355442	9971.54	48.8	8539.34	104103	101.4034 ng/ml
O-desmethyl-tramadol	3.379	2282993	1008.07	6.0	1359.62	1171052	97.5964 ng/ml
Oxazepam	5.750	640828	23571.22	72.9	1627.36	377279	103.1145 ng/ml
Oxycodone	2.843	749801	2602.14	30.8	1690.54	292043	106.6571 ng/ml
Oxymorphone	1.411	374719	∞	47.8	181.67	117597	101.2670 ng/ml
Phentermine	3.787	321815	4329.78	5.0	61.43	388327	102.8693 ng/ml
Promethazine	5.538	427261	609.16	30.2	3932.69	185690	96.9405 ng/ml
Pseudoephedrine	2.597	2137603	841.50	17.2	275.83	1057468	96.4612 ng/ml
Quetiapine	5.521	683505	61675.81	58.3	700380.24	93488	103.5046 ng/ml
Sertraline	5.783	82230	616.37	91.8	125611.57	32725	102.9991 ng/ml
Temazepam	5.817	1323884	83071.04	26.9	4149.06	619673	102.4870 ng/ml
Tramadol	4.251	2109874	1030.37	3.4	555.66	1007183	100.5775 ng/ml
Trazodone	5.039	536736	55845.98	82.6	2774.55	232777	105.6308 ng/ml
Venlafaxine	5.043	1522054	60469.71	32.0	460.56	803464	96.6217 ng/ml
Zolpidem	4.819	1936072	2501.54	29.1	7465.92	933872	101.5325 ng/ml

ABY

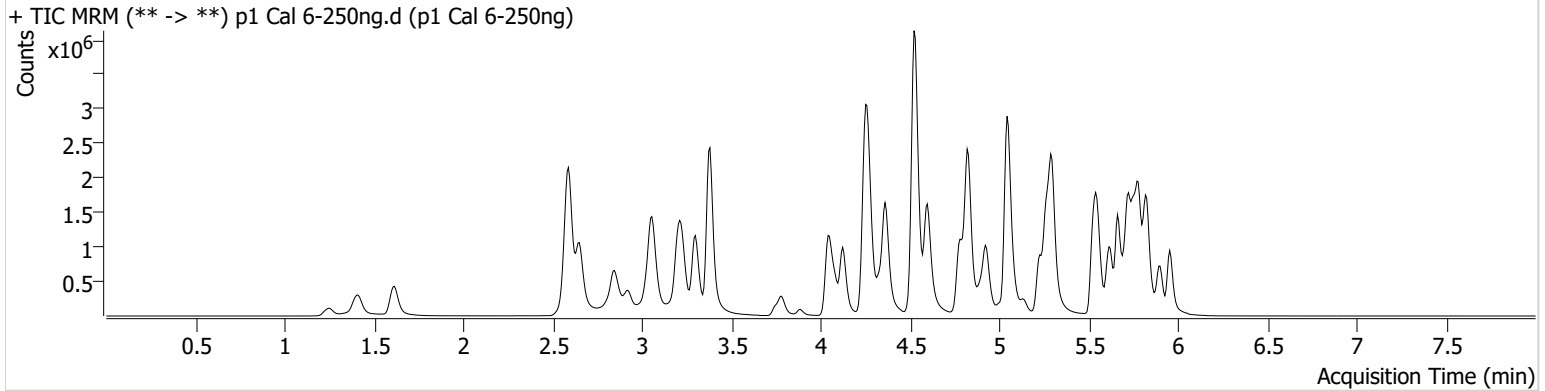


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 6-250ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 6-250ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-F1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/8/2022 11:39:14 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	49310	1371.53	70.5	34674.08	49984	24.9130 ng/ml
7-aminoclonazepam	4.256	737997	14651.95	73.1	11650.88	135412	217.7615 ng/ml
a-hydroxyalprazolam	5.692	250039	218.30	66.2	244.13	186838	206.0270 ng/ml
alpha-PHP	4.929	601336	15581.47	256.4	2203.97	357923	257.7589 ng/ml
alpha-PVP	4.361	2424135	1769.36	51.3	37656.65	357923	250.3571 ng/ml
Alprazolam	5.776	1432517	1900.09	106.3	2216.50	186838	258.8279 ng/ml
Amphetamine	3.058	2810447	98454.08	47.6	1243.15	158571	234.4252 ng/ml
Benzoylcegonine	3.884	94986	191647.12	8.3	167.72	12070	240.7291 ng/ml
Buprenorphine	5.663	29795	42323.08	15.1	489.81	44274	25.2562 ng/ml
Bupropion	4.780	1547990	803.39	67.9	17168.82	221132	252.5426 ng/ml
Carisoprodol	5.724	1276019	34619.26	61.7	4518.06	219247	258.2587 ng/ml
Citalopram	5.225	1180733	169384.24	34.2	1041.92	205634	249.6242 ng/ml
Clonazepam	5.612	1288124	63114.03	34.6	18061.68	75514	255.9409 ng/ml
Clonazepam	5.549	920499	6915.79	36.6	227913.12	75514	261.3531 ng/ml
Cocaine	4.262	1672453	2239.35	57.8	54041.62	558146	252.0819 ng/ml
Codeine	2.587	206725	4487.12	99.1	3580.56	45856	241.2767 ng/ml
Cyclobenzaprine	5.628	600186	14614.07	7.9	251.45	94698	250.7375 ng/ml
Dextromethorphan	5.268	549532	1593.06	81.9	223181.68	91284	251.7917 ng/ml
Dextrophan	4.123	691112	60796.76	200.9	78160.55	277719	247.7095 ng/ml
Diazepam	5.954	1007167	5711.57	89.7	34697.90	188017	252.3383 ng/ml
Dihydrocodeine	2.559	594866	96936.15	70.0	431.54	158432	242.9075 ng/ml
Diphenhydramine	5.295	3002895	114273.43	31.7	450.68	714127	253.5071 ng/ml
Doxylamine	4.521	5693726	16334.06	96.8	4515.71	963268	260.0960 ng/ml
EDDP	5.261	1837083	730.87	40.6	1981.48	371078	249.6254 ng/ml
Etizolam	5.814	722571	2419.33	27.3	433073.49	75514	247.1154 ng/ml
Fentanyl	5.082	83672	24208.69	65.9	71453.53	162508	26.6245 ng/ml
Flualprazolam	5.706	527515	517.03	110.0	7428.68	186838	259.8094 ng/ml
Fluoxetine	5.721	572696	56416.41	7.7	4861.24	82832	249.6872 ng/ml
Hydrocodone	3.021	848570	∞	39.8	1330.52	210177	245.8548 ng/ml
Hydromorphone	1.615	830473	7603432.32	78.4	4373119.79	103559	248.2911 ng/ml
Ketamine	4.042	2004098	139066.60	34.2	20554.74	369026	251.1516 ng/ml
Lamotrigine	4.278	154691	11436.00	90.8	10616.36	369026	233.2322 ng/ml
Levetiracetam	2.651	973933	9883.28	164.2	28369.63	880786	249.5092 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	534316	15154.82	52.5	878.84	75514	147.3127 ng/ml
MDA	3.205	2016230	11963.60	28.1	5607.83	232379	246.6803 ng/ml
MDMA	3.299	1638593	2175.08	90.3	2370.85	66686	252.8482 ng/ml
Meprobamate	4.903	792949	3752.86	27.4	404.43	194020	217.5880 ng/ml
Methadone	5.659	1644581	25624.09	59.5	23787.91	266918	254.4799 ng/ml
Methamphetamine	3.227	1410346	14759.35	38.4	11011.02	253674	253.7887 ng/ml
Metoprolol	4.331	467158	1272234.33	99.9	45108.07	845966	267.6825 ng/ml
Mirtazapine	4.596	2575880	192039.17	52.4	2814.09	357923	273.0953 ng/ml
Mitragynine	5.209	371680	17605.41	36.3	540.07	266918	257.9957 ng/ml
Morphine	1.247	129069	4551.00	29.4	255.62	7463	250.5397 ng/ml
Norbuprenorphine	4.998	4048	5540.89	91.3	12366.12	7198	24.9614 ng/ml
Nordiazepam	5.900	945188	1335.36	54.3	679.94	130397	253.0502 ng/ml
Norfentanyl	4.084	468590	256493.40	36.1	739.39	741356	24.9627 ng/ml
Norhydrocodone	3.075	125208	179.44	39.1	208.77	38245	262.8940 ng/ml
Noroxycodone	2.918	691154	660.74	48.8	864.91	82988	248.0978 ng/ml
O-desmethyl-tramadol	3.379	5173043	119946.82	5.9	12742.69	1017990	253.9198 ng/ml
Oxazepam	5.750	872488	42762.41	71.3	4580.17	210790	252.3303 ng/ml
Oxycodone	2.836	1617038	2668.41	30.8	2323.49	262682	256.9609 ng/ml
Oxymorphone	1.405	804050	∞	46.7	∞	99357	257.5015 ng/ml
Phentermine	3.780	696154	5175.87	4.8	926.34	360028	240.9536 ng/ml
Promethazine	5.545	1443315	1438.50	30.5	771.37	240833	252.4188 ng/ml
Pseudoephedrine	2.590	4587673	3774.93	16.9	603.20	880786	248.0753 ng/ml
Quetiapine	5.521	1699760	1378.66	60.0	2662095.95	95042	253.8694 ng/ml
Sertraline	5.783	257435	98026.17	91.9	8086.91	41409	255.0441 ng/ml
Temazepam	5.824	2176418	42398.51	26.1	11383.56	419223	249.3080 ng/ml
Tramadol	4.244	4639580	∞	3.3	846.64	845966	263.9197 ng/ml
Trazodone	5.039	1410508	1461.20	82.3	68431.15	274593	236.4438 ng/ml
Venlafaxine	5.043	3545897	135586.67	31.2	17899.46	721302	250.4914 ng/ml
Zolpidem	4.825	4495366	10538.80	28.5	9756.60	851376	259.0217 ng/ml

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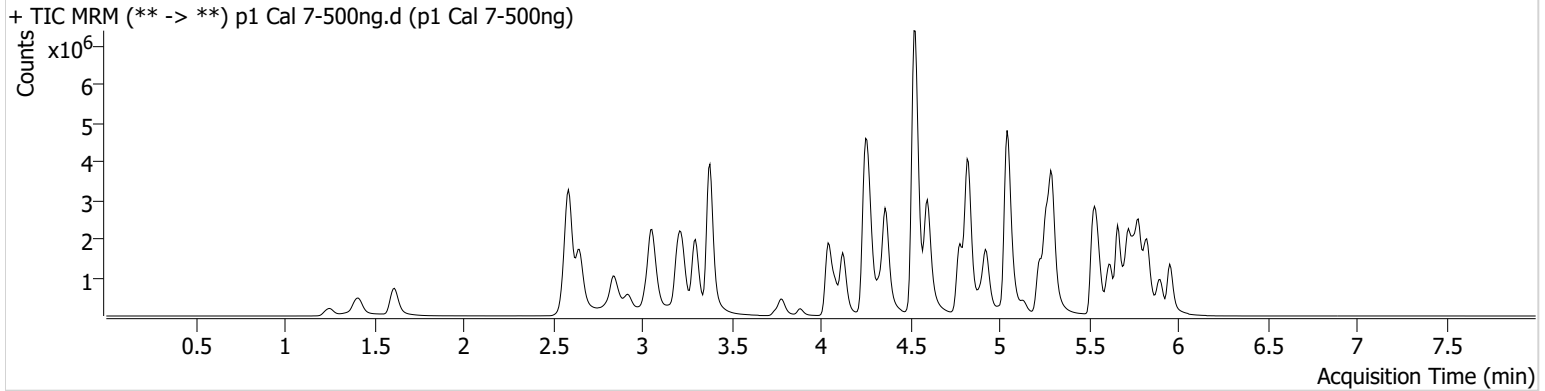


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/8/2022 11:49:52 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	95046	5639.00	67.3	148973.36	48108	49.9247 ng/ml
7-aminoclonazepam	4.256	982033	29135.72	68.0	133.60	105184	373.5458 ng/ml
a-hydroxyalprazolam	5.692	306077	1519.70	66.5	1113.83	146572	322.2318 ng/ml
alpha-PHP	4.929	1065118	25978.98	260.7	70257.22	321003	508.9629 ng/ml
alpha-PVP	4.361	4371017	296029.79	52.2	60985.29	321003	503.3728 ng/ml
Alprazolam	5.776	2182806	4159.71	105.3	∞	146572	502.5143 ng/ml
Amphetamine	3.058	4495590	212294.73	47.6	30964.94	146708	406.2662 ng/ml
Benzoylcegonine	3.884	194804	6684.85	8.5	2683.94	11640	512.3490 ng/ml
Buprenorphine	5.670	46186	1065.37	15.1	516.78	35843	48.3917 ng/ml
Bupropion	4.780	2716077	152092.15	67.9	1679.61	198633	493.5369 ng/ml
Carisoprodol	5.724	1751906	∞	62.8	23852.03	150251	517.0913 ng/ml
Citalopram	5.225	2103167	2322.34	33.2	338.29	178864	511.1338 ng/ml
Clonazepam	5.612	1825437	20737.35	35.0	90564.12	57723	475.3452 ng/ml
Clonazepam	5.556	1296344	2788.22	38.0	198636.56	57723	481.7582 ng/ml
Cocaine	4.269	2808937	1415.79	58.6	676.48	471332	501.6153 ng/ml
Codeine	2.587	316197	4596.96	94.5	13340.72	38910	435.7139 ng/ml
Cyclobenzaprine	5.628	822714	1006.60	7.9	808.55	63812	509.7166 ng/ml
Dextromethorphan	5.268	814487	784.08	83.0	16249.60	68909	494.3337 ng/ml
Dextrophan	4.123	1239062	52931.81	199.3	704507.18	242738	507.8589 ng/ml
Diazepam	5.954	1567208	11036.96	91.4	19738.57	151268	488.3304 ng/ml
Dihydrocodeine	2.559	1018203	607.55	69.5	20647.29	153749	429.0891 ng/ml
Diphenhydramine	5.295	5243915	113496.23	31.6	351.82	615064	513.7837 ng/ml
Doxylamine	4.528	10670131	21675.60	96.2	160469.77	915444	513.0142 ng/ml
EDDP	5.261	3485211	305662.18	40.2	51004.55	346758	506.5252 ng/ml
Etizolam	5.814	1192222	4179.45	26.8	401912.60	57723	532.5183 ng/ml
Fentanyl	5.082	127545	2150.60	66.8	223.27	119750	55.0887 ng/ml
Flualprazolam	5.706	761054	23122.69	111.9	63414.75	146572	478.1514 ng/ml
Fluoxetine	5.721	540098	34008.16	8.2	33450.33	39081	498.8224 ng/ml
Hydrocodone	3.021	1476244	486.21	39.7	199.56	193390	465.5232 ng/ml
Hydromorphone	1.615	1493551	9776661.54	77.3	1958828.09	93182	496.3592 ng/ml
Ketamine	4.042	3616674	∞	34.0	23676.69	338471	494.6592 ng/ml
Lamotrigine	4.278	229763	3228.48	90.8	35490.86	338471	379.2467 ng/ml
Levetiracetam	2.651	1608500	12180.40	165.0	3021.98	717599	505.7831 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	605238	16981.65	52.9	307.50	57723	219.4055 ng/ml
MDA	3.199	3241249	2661.43	27.7	1491.37	199143	463.6502 ng/ml
MDMA	3.299	2900110	24221.08	91.0	2417.38	59548	501.2459 ng/ml
Meprobamate	4.903	1165670	67380.55	27.5	18690.14	165563	375.4913 ng/ml
Methadone	5.659	2823469	53485.30	59.6	42823.58	226728	514.1429 ng/ml
Methamphetamine	3.227	2498581	2180.60	38.3	1611.87	240053	477.5849 ng/ml
Metoprolol	4.331	775942	223352.13	99.3	1710.53	768156	490.2160 ng/ml
Mirtazapine	4.596	4798753	6390.68	52.0	7177.23	321003	566.8721 ng/ml
Mitragynine	5.209	617171	79747.32	34.7	51385.59	226728	504.7695 ng/ml
Morphine	1.253	234195	702.78	27.6	835.94	6893	492.4165 ng/ml
Norbuprenorphine	4.998	6928	193.80	86.2	5020.70	5811	53.1551 ng/ml
Nordiazepam	5.900	1268822	26485.58	57.3	803.70	95733	463.0989 ng/ml
Norfentanyl	4.084	883774	25292.56	36.7	8421.73	666533	52.3447 ng/ml
Norhydrocodone	3.075	230160	1987.80	41.8	350.66	33084	557.2735 ng/ml
Noroxycodone	2.918	1056206	3358.05	47.8	1319.07	64058	491.6933 ng/ml
O-desmethyl-tramadol	3.379	9286093	63456.43	6.0	888.31	909204	510.0483 ng/ml
Oxazepam	5.750	927744	8688.80	72.4	5481.86	120215	471.1022 ng/ml
Oxycodone	2.836	2748829	1463.33	30.7	2142.90	244110	470.7747 ng/ml
Oxymorphone	1.411	1352546	789.25	49.5	∞	85697	502.4061 ng/ml
Phentermine	3.780	1188219	11289.96	4.8	1717.59	342064	433.4240 ng/ml
Promethazine	5.538	1905469	4638.14	30.5	2273.22	160146	501.0989 ng/ml
Pseudoephedrine	2.590	7891301	55259.69	16.6	60823.65	717599	523.4204 ng/ml
Quetiapine	5.521	3297484	1159.16	60.9	47440.88	94632	495.0791 ng/ml
Sertraline	5.790	227616	187.87	94.0	13581.64	19174	487.1386 ng/ml
Temazepam	5.824	2660827	24252.67	26.2	2398.30	263102	485.8347 ng/ml
Tramadol	4.244	8003459	2696.71	3.3	603.16	768156	501.7237 ng/ml
Trazodone	5.039	2539012	1583.10	81.9	88346.36	274557	426.4047 ng/ml
Venlafaxine	5.043	6535918	86791.66	30.2	13038.34	648765	513.1757 ng/ml
Zolpidem	4.825	8115434	327350.81	27.8	21536.77	797788	499.2762 ng/ml

# AM #28 Multi-Drug Quant. Results

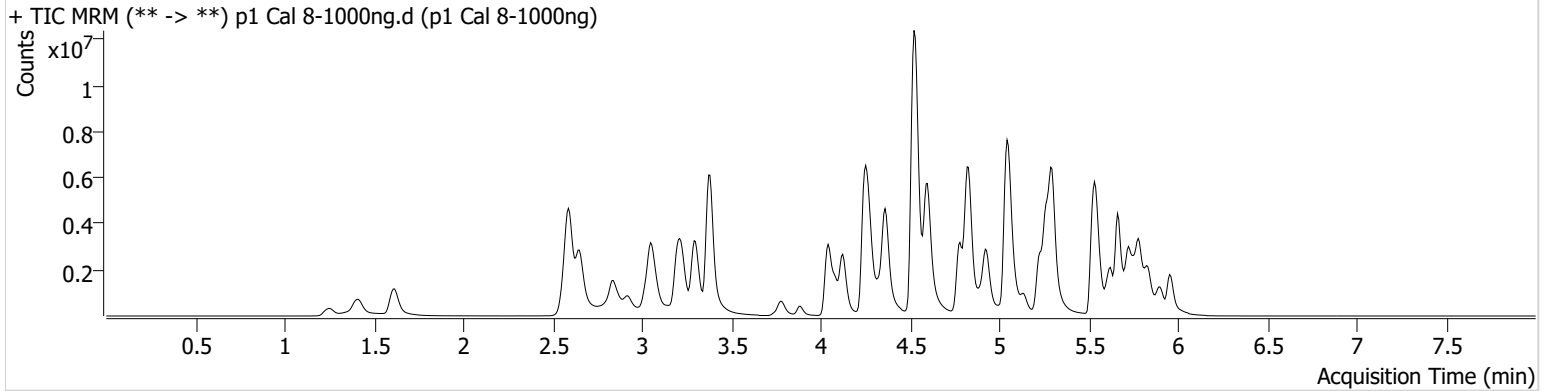
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**Batch results** D:\MassHunter\Data\2022\AM 27-28\080822 AM 27 28 AG\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 8/10/2022 3:49:40 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Amber Gerheart
<b>Sample Position</b>	P2-H1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/9/2022 12:00:28 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	189363	726.12	68.9	13364.71	47491	100.7893 ng/ml
7-aminoclonazepam	4.249	855379	9057.29	80.5	12780.19	74427	459.9919 ng/ml
a-hydroxyalprazolam	5.685	352447	729.43	67.6	400.43	108793	500.6296 ng/ml
alpha-PHP	4.929	1958606	2134.72	265.7	8737.95	284182	1057.0655 ng/ml
alpha-PVP	4.361	8007048	302040.38	50.4	10499.11	284182	1041.6108 ng/ml
Alprazolam	5.776	3176656	710.88	102.7	476.77	108793	985.0345 ng/ml
Amphetamine	3.051	6287253	84259.68	47.4	15533.65	125863	663.1031 ng/ml
Benzoylecgonine	3.884	463904	761.62	8.3	152219.77	12378	1147.7955 ng/ml
Buprenorphine	5.670	73721	3225.36	15.4	8397.41	28843	96.0228 ng/ml
Bupropion	4.780	4762030	158404.99	67.3	56429.92	174014	987.9794 ng/ml
Carisoprodol	5.731	2135386	87616.73	62.3	13202.00	89511	1057.6510 ng/ml
Citalopram	5.225	3958277	2929.45	33.6	1036.04	163930	1049.5645 ng/ml
Clonazepam	5.605	2287415	84424.43	35.5	43444.13	41034	838.6599 ng/ml
Clonazepam	5.556	1648092	328470.99	38.2	7473.31	41034	861.8096 ng/ml
Cocaine	4.269	4762793	142368.13	57.6	79768.20	398655	1005.8462 ng/ml
Codeine	2.580	475151	4425.42	94.5	15261.90	33633	758.1955 ng/ml
Cyclobenzaprine	5.628	1966482	38106.38	7.9	18246.99	72825	1067.1949 ng/ml
Dextromethorphan	5.275	1381900	36300.53	82.2	521.67	58648	985.4085 ng/ml
Dextrophan	4.123	2184281	6988.46	202.6	1293.67	207897	1045.0665 ng/ml
Diazepam	5.954	2455714	5197.06	89.4	∞	118262	979.0485 ng/ml
Dihydrocodeine	2.552	1694787	50089.35	71.7	13810.07	156038	704.2812 ng/ml
Diphenhydramine	5.295	9881068	787.77	31.4	1695.53	568121	1047.8948 ng/ml
Doxylamine	4.521	19687570	162891.98	97.9	229337.42	902446	960.3146 ng/ml
EDDP	5.261	6760511	2243.65	39.8	650.17	332454	1024.5542 ng/ml
Etizolam	5.820	1841441	7903.51	26.7	10796.20	41034	1156.1183 ng/ml
Fentanyl	5.082	304277	571.96	63.8	394605.00	124696	126.2256 ng/ml
Flualprazolam	5.706	1021879	12858.44	111.0	40344.76	108793	865.2976 ng/ml
Fluoxetine	5.721	1168961	80799.81	8.1	80985.08	39482	1068.3662 ng/ml
Hydrocodone	3.021	2721960	360.54	40.2	439.79	184474	900.5559 ng/ml
Hydromorphone	1.615	2690382	9367632.25	78.6	8040471.34	83089	1002.8147 ng/ml
Ketamine	4.042	6579637	293693.80	33.1	35419.16	329894	923.7573 ng/ml
Lamotrigine	4.285	308913	3427.59	90.8	102082.71	329894	524.1007 ng/ml
Levetiracetam	2.651	2664245	5375.65	168.2	209510.75	565170	1063.6986 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	685305	35031.94	52.2	417.83	41034	350.8325 ng/ml
MDA	3.199	5104770	4022.30	27.0	1811.41	170890	851.8154 ng/ml
MDMA	3.299	5218907	116713.57	91.7	3692.57	53439	1005.2342 ng/ml
Meprobamate	4.896	1642566	110410.01	27.6	161624.46	142082	617.1317 ng/ml
Methadone	5.660	5821445	99310.35	58.9	39901.05	231335	1038.7551 ng/ml
Methamphetamine	3.227	3804113	14341.51	38.2	4322.03	196163	892.2496 ng/ml
Metoprolol	4.331	1204673	65728.77	100.3	67230.15	709608	824.3304 ng/ml
Mirtazapine	4.596	9895164	204955.90	51.5	144192.59	284182	1319.8598 ng/ml
Mitragynine	5.209	1134801	12736.84	36.7	3012.26	231335	910.0104 ng/ml
Morphine	1.253	416419	∞	28.4	∞	6384	945.5593 ng/ml
Norbuprenorphine	4.998	12807	15075.75	92.0	114.48	6077	94.1165 ng/ml
Nordiazepam	5.900	1734214	12858.52	54.0	29483.82	64373	941.8120 ng/ml
Norfentanyl	4.084	1741438	109707.15	36.1	128950.54	596227	115.2826 ng/ml
Norhydrocodone	3.075	454537	∞	40.6	784.11	27969	1300.2047 ng/ml
Noroxycodone	2.918	1584331	2787.62	47.5	9208.77	47273	999.9558 ng/ml
O-desmethyl-tramadol	3.379	16768120	356344.76	5.9	49816.45	803150	1042.3149 ng/ml
Oxazepam	5.750	908275	7790.31	71.7	∞	59308	935.5919 ng/ml
Oxycodone	2.829	4526917	2516.70	31.0	673.66	235171	805.3914 ng/ml
Oxymorphone	1.405	2291332	2248.74	47.8	1380.42	80055	911.2652 ng/ml
Phentermine	3.780	1865008	∞	4.8	202.03	311573	747.3775 ng/ml
Promethazine	5.538	4878855	4381.75	29.7	2894.15	195721	1049.7792 ng/ml
Pseudoephedrine	2.590	12874376	195379.84	16.2	63915.23	565170	1083.9314 ng/ml
Quetiapine	5.521	6756986	2363.93	60.5	1136.26	107847	890.5553 ng/ml
Sertraline	5.790	518433	10184.37	93.5	16911.81	21056	1010.4961 ng/ml
Temazepam	5.831	2974360	38027.02	26.8	5160.61	143487	996.0020 ng/ml
Tramadol	4.244	13444561	566.47	3.3	454.67	709608	912.6610 ng/ml
Trazodone	5.039	4826260	2030.72	81.6	54899.50	352586	631.5927 ng/ml
Venlafaxine	5.043	11911433	95195.91	28.9	69924.41	571857	1060.8544 ng/ml
Zolpidem	4.825	14516544	308091.64	27.7	91581.93	769622	926.0050 ng/ml