

**Worklist: 5994**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-1560	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1634	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1785	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1823	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1848	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1910	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-1987	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1111	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1195	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1205	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1248	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1322	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1322	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1322	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1368	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1381	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1383	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1384	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1385	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1393	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1425	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 5994**

TS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2022-1426	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2022-1441	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2022-1452	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



**Idaho State Police  
Forensic Services**

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

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

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

Requestor/Discipline: Celena Shrum/Toxicology

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

Temporary or Permanent Deviation: Permanent

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

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

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

**Technical Review**

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Departure approved  
Comments:

Departure Not Approved  
Comments:

Approver: Rachel Cutler  
Title: Laboratory Manager



Date: 2/10/2022

**Quality Review**

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



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

TS

Extraction Date: 06/13/2022

Analyst: Tamara Salazar

Plate lot#: 220324

Plate Retest Date: 09/24/2022

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20723

Blank Urine Lot: N/A

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

LCMS-QQQ ID: 069901

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. **Urine hydrolysis: Pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mM sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250µL blood (calibrated pipette) or 250µL hydrolyzed urine in wells of analytical (standards) plate. Pipette ID: 42**
- 3. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 6. 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)*
- 7. Wait 5 minutes.
- 8. Add **900uL ethyl acetate.**
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 11. Add **900uL ethyl acetate.**
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 14. Remove plate containing eluate.
- 15. If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).  
Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

## Post-Analytic

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

## COMMENTS:

Wrong ITSD blank was run before case samples M2022-1560-3, M2022-1634-1, M2022-1785-1, M2022-1823-1, and M2022-1848-2. The samples were re-injected with the correct ITSD blank ran before them.

## Curves Limited:

7-aminoclonazepam 5-500 -- calibrator 8 removed due to accuracy  
Alpha-hydroxyalprazolam 5-250 -- calibrators 7 and 8 removed due to accuracy  
Amphetamine 5-250 -- calibrator 7 and 8 removed due to accuracy  
Buprenorphine 0.5 -50 -- calibrator 8 removed due to accuracy  
Clonazepam 5-500 -- calibrator 8 removed due to accuracy  
Clonazolam 5-250 -- calibrators 7 and 8 removed due to accuracy  
Dihydrocodeine 5-500 -- calibrator 8 removed due to accuracy  
Etizolam 5-500 -- calibrator 8 removed due to accuracy  
Lamotrigine 5-250 -- calibrators 7 and 8 removed due to accuracy  
Lorazepam 5-100 -- calibrators 6, 7, and 8 removed due to accuracy  
Meprobamate 5-250 -- calibrators 7 and 8 removed due to accuracy  
Methamphetamine 5-500 -- calibrator 8 removed due to accuracy  
Metoprolol 5-500 -- calibrator 8 removed due to accuracy  
Norfentanyl 0.5-50 -- calibrator 8 removed due to accuracy  
Phentermine 5-500 -- calibrator 8 removed due to accuracy

AM 28 Panel 1 Analytical Plate Map

TS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2022-1785-1	P2022-1322-1	IS + Cal. 1	IS + QC_1	P2022-1441-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2022-1823-1	P2022-1322-2	IS + Cal. 2	IS + QC_2	P2022-1452-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	M2022-1848-2	P2022-1322-3	IS + Cal. 3	IS + QC_3	M2022-1987-3	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	M2022-1910-1	P2022-1368-1	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	P2022-1111-1	P2022-1381-1	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Neg Blood	P2022-1195-1	P2022-1383-1	IS + Cal. 6	P2022-1393-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2022-1560-3	P2022-1205-3	P2022-1384-1	IS + Cal. 7	P2022-1425-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2022-1634-1	P2022-1248-1	P2022-1385-1	IS + Cal. 8	P2022-1426-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2022-1785-1	P2022-1322-1	P2022-1441-1		IS + Cal. 1	IS + QC_1	P2022-1383-1			
B	IS + Cal. 2	IS + QC_2	M2022-1823-1	P2022-1322-2	P2022-1452-1		IS + Cal. 2	IS + QC_2	P2022-1426-1			
C	IS + Cal. 3	IS + QC_3	M2022-1848-2	P2022-1322-3	M2022-1987-3		IS + Cal. 3	IS + QC_3	Neg Blood			
D	IS + Cal. 4	IS + QC_4	M2022-1910-1	P2022-1368-1			IS + Cal. 4	IS + QC_4				
E	IS + Cal. 5	IS + QC_2	P2022-1111-1	P2022-1381-1			IS + Cal. 5	M2022-1785-1				
F	IS + Cal. 6	Neg Blood	P2022-1195-1	P2022-1383-1	P2022-1393-1		IS + Cal. 6	P2022-1248-1				
G	IS + Cal. 7	M2022-1560-3	P2022-1205-3	P2022-1384-1	P2022-1425-1		IS + Cal. 7	P2022-1322-1				
H	IS + Cal. 8	M2022-1634-1	P2022-1248-1	P2022-1385-1	P2022-1426-1		IS + Cal. 8	P2022-1322-3				

Columns 1-5 indicate samples ran for AM 28 Panel 1

Columns 7-9 indicate samples ran for AM 28 Panel 2

SLE/Collection Plate Map

TS

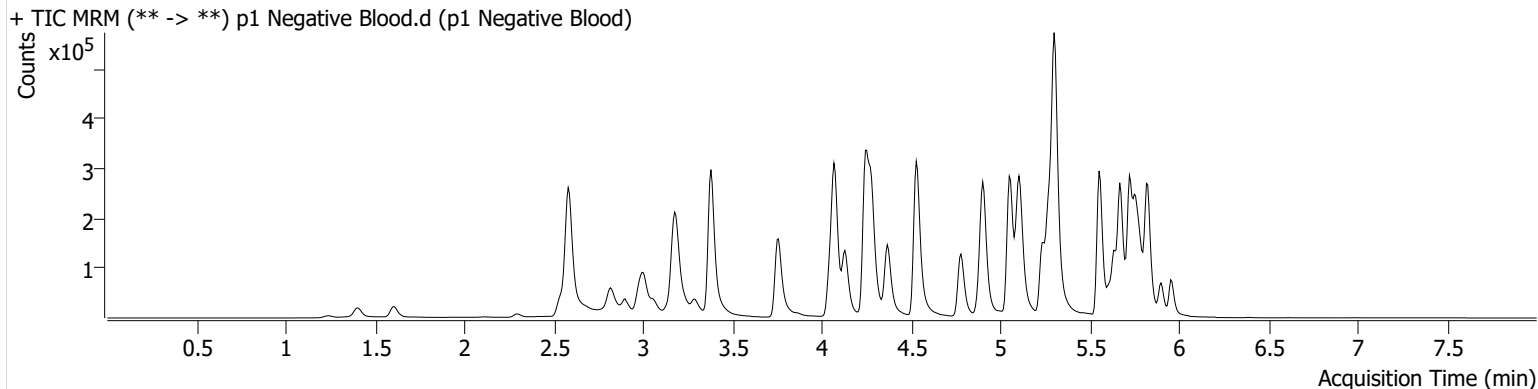


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 9:29:27 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-F2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 4:59:43 AM		
<b>Sample Info.</b>			

## Sample Chromatogram





TS

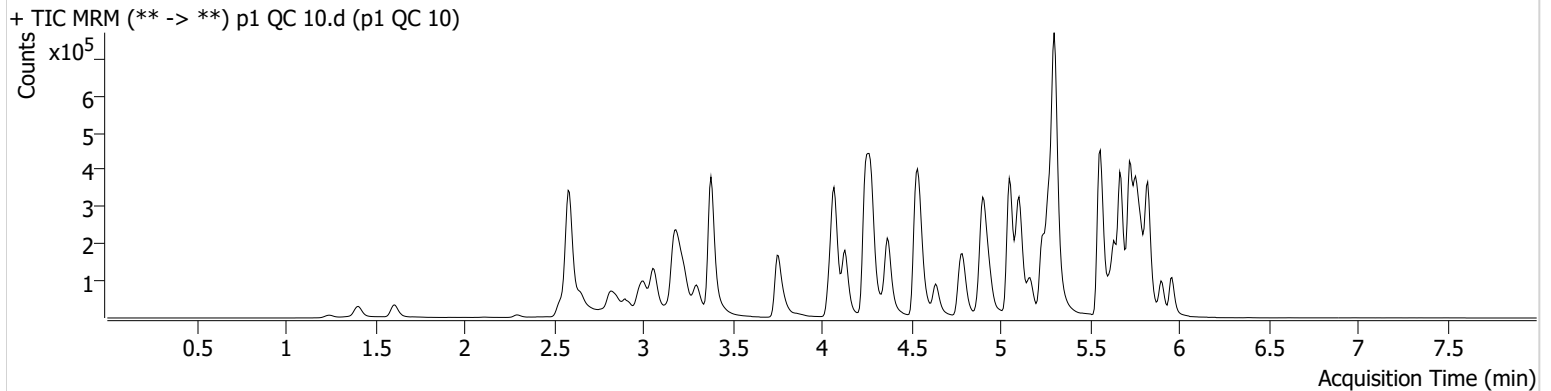


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 PM

**Instrument** Falco (069901) **Data File** p1 QC 10.d  
**Type** QC **Sample** p1 QC 10  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-A2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 6/14/2022 3:45:19 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	1659	1231.69	66.6	102.87	39971	1.0357 ng/ml
7-aminoclonazepam	4.270	31855	2929.81	68.8	115.83	116676	10.3870 ng/ml
a-hydroxyalprazolam	5.706	17977	261.88	65.7	1635.70	194995	11.1524 ng/ml
alpha-PHP	4.943	29318	641.68	266.3	1833.05	397536	9.9439 ng/ml
alpha-PVP	4.375	106601	1307.10	50.5	267.79	397536	9.9780 ng/ml
Alprazolam	5.782	53653	1607.90	110.0	757.83	194995	9.6735 ng/ml
Amphetamine	3.065	191041	1631.31	50.1	1961.06	216331	9.4063 ng/ml
Benzoylecgonine	3.890	2300	127.67	8.8	∞	8119	9.6525 ng/ml
Buprenorphine	5.853	2614	215.10	17.4	914.30	91701	0.9569 ng/ml
Bupropion	4.794	105839	528.61	68.3	1185.08	370770	9.9058 ng/ml
Carisoprodol	5.731	60591	629.05	60.5	250.24	282143	10.5183 ng/ml
Citalopram	5.239	90321	1390.37	34.0	5476.37	398974	10.0817 ng/ml
Clonazepam	5.619	58407	6337.45	33.6	851.20	76021	10.5566 ng/ml
Clonazepam	5.556	40712	88608.48	33.8	13623.12	76021	10.8240 ng/ml
Cocaine	4.276	68040	359.89	57.5	279.73	560524	10.0076 ng/ml
Codeine	2.594	8138	667.90	106.1	3433.28	40996	9.9449 ng/ml
Cyclobenzaprine	5.642	69412	120.78	8.5	67.19	289608	9.5518 ng/ml
Dextromethorphan	5.281	48225	183.55	83.5	1868.33	194063	10.3310 ng/ml
Dextrophan	4.130	30121	1864.28	198.0	1344.67	305356	9.8996 ng/ml
Diazepam	5.960	35755	605.19	88.5	243.72	154091	10.5621 ng/ml
Dihydrocodeine	2.566	21605	222.43	63.3	91.08	118320	11.1458 ng/ml
Diphenhydramine	5.302	237006	355.34	31.0	328.93	1397806	10.4019 ng/ml
Doxylamine	4.548	210456	3776.87	100.4	1010.72	941813	9.7254 ng/ml
EDDP	5.274	73951	3916.41	42.0	574.43	413219	9.4689 ng/ml
Etizolam	5.827	24187	46549.75	27.3	1873.64	76021	9.7274 ng/ml
Fentanyl	5.109	7649	417.69	67.8	5676.36	408602	0.9942 ng/ml
Flualprazolam	5.712	22630	1142.43	93.5	2163.94	194995	10.5927 ng/ml
Fluoxetine	5.728	91548	386.64	7.8	133.08	336214	10.1208 ng/ml
Hydrocodone	3.034	33859	145.42	35.5	77.55	191815	9.9395 ng/ml
Hydromorphone	1.615	25277	496.51	74.7	256.11	78975	9.6638 ng/ml
Ketamine	4.063	74471	257.12	33.4	389.47	313041	10.3846 ng/ml
Lamotrigine	4.292	6060	412.23	84.8	2707.40	313041	10.4826 ng/ml
Levetiracetam	2.651	31439	301.86	160.5	212.93	879555	10.0432 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	56408	3147.05	54.7	274.15	76021	11.2490 ng/ml
MDA	3.212	126353	688.66	29.4	247.46	280940	11.2678 ng/ml
MDMA	3.306	71151	2326.17	90.8	911.04	74056	9.8166 ng/ml
Meprobamate	4.910	33648	263.34	28.7	109.51	173551	10.1912 ng/ml
Methadone	5.673	133457	761.81	61.0	10601.79	564966	10.3433 ng/ml
Methamphetamine	3.233	134939	442.89	38.2	617.91	513175	10.5012 ng/ml
Metoprolol	4.338	20745	808.60	99.1	881.35	813532	10.2526 ng/ml
Mirtazapine	4.636	138529	1961.13	53.1	3645.43	397536	9.7381 ng/ml
Mitragynine	5.243	30024	1594.75	37.1	13336.45	564966	10.2981 ng/ml
Morphine	1.253	3627	210.38	25.4	39.79	5536	9.2261 ng/ml
Norbuprenorphine	5.005	371	918.12	83.7	802.73	13628	1.0607 ng/ml
Nordiazepam	5.907	38252	1547.86	55.9	582.36	123287	10.2257 ng/ml
Norfentanyl	4.097	17253	1500.06	35.6	282.64	709983	0.9635 ng/ml
Norhydrocodone	3.082	5657	149.54	33.6	35.88	52754	9.5300 ng/ml
Noroxycodone	2.925	34286	253.15	49.6	1605.47	101665	10.0556 ng/ml
O-desmethyl-tramadol	3.386	166312	504.31	5.7	1179.81	865094	9.7492 ng/ml
Oxazepam	5.763	69399	1394.96	75.0	369.48	381928	10.1361 ng/ml
Oxycodone	2.850	63238	326.12	29.8	589.33	221274	10.7123 ng/ml
Oxymorphone	1.411	25451	∞	46.9	2040.97	74442	10.4894 ng/ml
Phentermine	3.787	43021	1484.08	5.2	40.62	504903	10.4197 ng/ml
Promethazine	5.560	154306	503.50	31.1	15029.41	677204	9.6844 ng/ml
Pseudoephedrine	2.597	175700	3032.61	17.1	1088.18	879555	9.9607 ng/ml
Quetiapine	5.569	100371	2468.84	57.4	3497.72	141195	9.8775 ng/ml
Sertraline	5.796	26949	374.56	99.1	1337.74	115221	10.3342 ng/ml
Temazepam	5.831	102352	440.57	28.1	141.88	496600	9.8412 ng/ml
Tramadol	4.257	181960	8652.48	3.2	74.69	813532	10.3441 ng/ml
Trazodone	5.162	100526	558.86	79.9	4221.34	415384	10.1465 ng/ml
Venlafaxine	5.050	155398	246.06	32.3	310.89	781564	10.4528 ng/ml
Zolpidem	4.920	145499	2495.88	31.9	285.98	670720	10.5871 ng/ml

TS

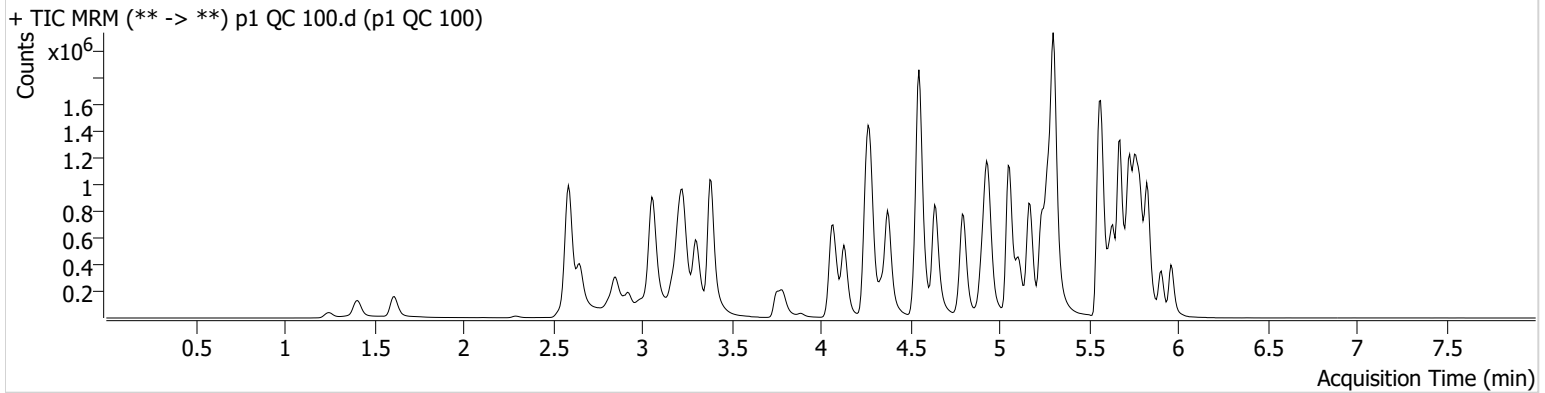


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 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>	Tamara Salazar
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 1:50:31 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	16612	402.89	69.1	1465.27	42055	9.9197 ng/ml
7-aminoclonazepam	4.270	272196	9001.16	71.8	203.06	104954	106.5858 ng/ml
a-hydroxyalprazolam	5.706	148911	2018.24	67.2	500.16	188530	103.6332 ng/ml
alpha-PHP	4.943	295515	4163.27	260.7	5189.36	409920	104.3542 ng/ml
alpha-PVP	4.381	1090343	30683.68	51.2	11511.60	409920	97.6875 ng/ml
Alprazolam	5.782	537860	3602.51	109.1	5992.97	188530	100.6943 ng/ml
Amphetamine	3.058	1967023	1294.20	46.2	10715.13	225113	112.6688 ng/ml
Benzoylecgonine	3.890	26486	5922.38	8.6	665.23	8807	99.5692 ng/ml
Buprenorphine	5.860	28472	26906.81	16.1	8324.02	95806	9.8102 ng/ml
Bupropion	4.800	1119601	41732.94	67.7	4606.74	392975	101.4067 ng/ml
Carisoprodol	5.731	522951	620891.85	62.4	302.99	242847	89.2459 ng/ml
Citalopram	5.232	921353	15778.43	34.2	933.47	395261	103.7656 ng/ml
Clonazepam	5.619	537901	480.36	34.2	7208.27	73765	104.9556 ng/ml
Clonazolam	5.556	352120	636094.89	35.2	122320.21	73765	106.9164 ng/ml
Cocaine	4.276	710529	87475.83	57.3	394290.43	584952	100.6402 ng/ml
Codeine	2.594	83735	907.69	101.3	7922.36	42040	109.7707 ng/ml
Cyclobenzaprine	5.642	668538	847.76	8.2	6712.76	276744	91.3503 ng/ml
Dextromethorphan	5.281	474803	25289.32	83.4	11433.29	193580	102.5511 ng/ml
Dextrophan	4.130	319322	1567.85	196.8	20063.29	317287	99.1462 ng/ml
Diazepam	5.960	350949	1482.06	89.3	3938.71	153363	106.9774 ng/ml
Dihydrocodeine	2.566	219352	56.64	65.4	906.20	129183	107.3051 ng/ml
Diphenhydramine	5.302	2434208	95400.29	31.3	21613.19	1392261	104.4384 ng/ml
Doxylamine	4.548	2320220	137469.53	99.4	199629.60	1001827	101.5620 ng/ml
EDDP	5.274	743283	19174.11	42.6	687296.44	411448	93.9379 ng/ml
Etizolam	5.827	235355	30420.11	27.3	83110.59	73765	93.7522 ng/ml
Fentanyl	5.116	80271	11299.68	69.5	89444.74	430694	9.7511 ng/ml
Flualprazolam	5.712	211640	14365.40	102.0	13470.57	188530	108.6044 ng/ml
Fluoxetine	5.728	722701	195334.11	7.9	46747.60	269943	96.9966 ng/ml
Hydrocodone	3.034	335762	1283.36	37.2	100.02	195684	103.0503 ng/ml
Hydromorphone	1.615	278677	1901.01	77.7	35.34	82310	102.1931 ng/ml
Ketamine	4.063	770079	8115.14	34.6	4117.34	334522	105.0708 ng/ml
Lamotrigine	4.292	59124	994.89	88.8	5819.14	334522	101.4285 ng/ml
Levetiracetam	2.651	329403	5045.40	160.1	8088.17	897773	102.8124 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	424891	16648.11	51.6	1585.06	73765	102.7829 ng/ml
MDA	3.205	1155975	1795.23	29.3	2166.50	274347	116.9840 ng/ml
MDMA	3.306	747961	691484.45	89.0	3216.06	76311	99.6687 ng/ml
Meprobamate	4.910	299744	32508.87	27.9	32978.52	172322	100.5408 ng/ml
Methadone	5.673	1381491	1471.95	58.9	2727.35	572862	94.1099 ng/ml
Methamphetamine	3.233	1382006	1669.04	39.0	431.34	568579	102.5895 ng/ml
Metoprolol	4.338	219385	302455.56	95.5	1645.93	881959	107.5113 ng/ml
Mirtazapine	4.636	1439414	39756.05	53.3	19385.41	409920	96.0600 ng/ml
Mitragynine	5.243	295897	801977.55	37.9	7606.61	572862	103.9147 ng/ml
Morphine	1.247	41284	137.14	26.3	211.16	6210	100.8545 ng/ml
Norbuprenorphine	5.005	3326	61.37	95.9	3419.68	14997	9.6077 ng/ml
Nordiazepam	5.907	362164	2692.77	56.2	1596.02	120289	102.9060 ng/ml
Norfentanyl	4.097	182341	277.63	35.1	66.39	735036	9.5292 ng/ml
Norhydrocodone	3.082	51565	254.89	38.7	154.92	43789	92.2706 ng/ml
Noroxycodone	2.925	332294	786.22	46.7	714.18	101614	96.3578 ng/ml
O-desmethyl-tramadol	3.386	1802640	46066.81	5.9	9879.21	919147	97.4205 ng/ml
Oxazepam	5.763	579413	485.34	74.2	224.05	315466	105.5782 ng/ml
Oxycodone	2.843	652391	1168.23	30.3	722.17	241510	107.3739 ng/ml
Oxymorphone	1.405	263931	∞	46.9	∞	88131	95.1797 ng/ml
Phentermine	3.787	435423	189.17	5.2	218.80	545613	105.0892 ng/ml
Promethazine	5.560	1525800	121274.33	30.3	2813.97	657718	96.4158 ng/ml
Pseudoephedrine	2.597	1837904	39051.87	17.3	23420.49	897773	98.6541 ng/ml
Quetiapine	5.569	999099	1138626.24	59.3	6038556.33	145911	103.1308 ng/ml
Sertraline	5.796	202368	5180.38	96.0	3424.37	87867	94.3031 ng/ml
Temazepam	5.831	922133	7949.38	28.3	574.72	461579	93.0960 ng/ml
Tramadol	4.257	1875400	86723.44	3.3	1224.47	881959	102.4590 ng/ml
Trazodone	5.162	1074054	1942234.77	80.3	1322607.66	444429	107.0987 ng/ml
Venlafaxine	5.050	1643941	186592.62	32.1	597.97	840335	100.6089 ng/ml
Zolpidem	4.927	1516654	2410644.34	31.0	964184.03	709575	110.5686 ng/ml

TS



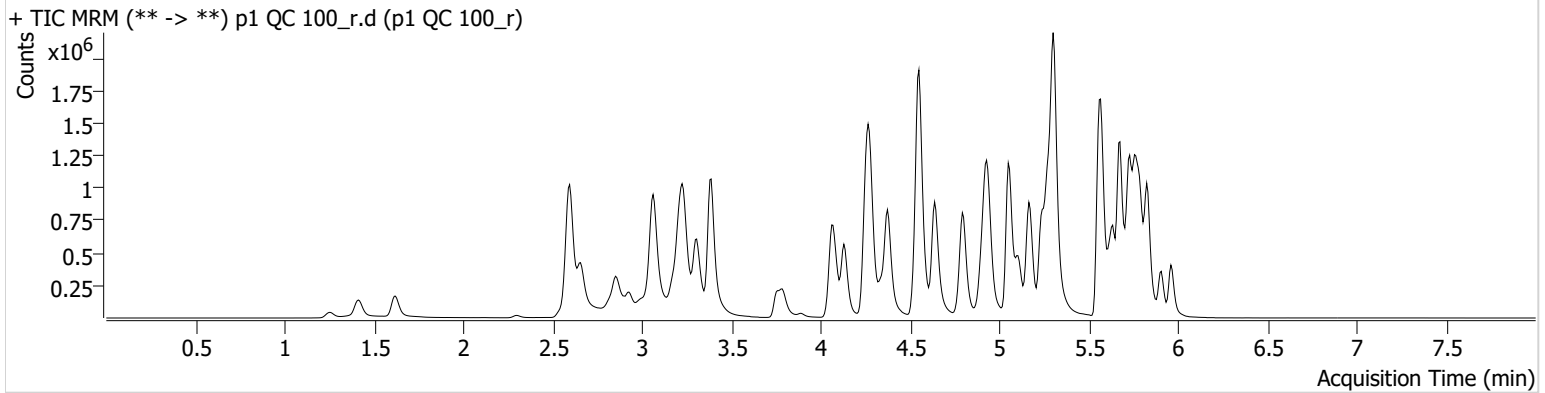
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 QC 100_r.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100_r
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 3:54:11 PM		
<b>Sample Info.</b>			

QC used to bracket re-injected samples.

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	17434	36483.50	72.7	15815.29	45199	9.6861 ng/ml
7-aminoclonazepam	4.270	278089	289.02	72.5	5312.68	107051	106.7619 ng/ml
a-hydroxyalprazolam	5.699	150571	465.62	68.3	4727.12	190759	103.5629 ng/ml
alpha-PHP	4.943	309761	32651.79	255.5	4337.79	422500	106.1417 ng/ml
alpha-PVP	4.375	1142502	111791.32	51.4	14333.93	422500	99.3103 ng/ml
Alprazolam	5.782	552902	3764.32	108.6	2044.14	190759	102.3014 ng/ml
Amphetamine	3.065	2015766	782.11	46.3	15228.89	239402	108.4894 ng/ml
Benzoylecgonine	3.890	27269	1681.59	8.0	643.54	8894	101.5042 ng/ml
Buprenorphine	5.853	28859	16263.95	16.0	7033.08	99254	9.5986 ng/ml
Bupropion	4.794	1158880	133225.52	68.6	16177.26	407842	101.1373 ng/ml
Carisoprodol	5.731	557504	319704.63	61.8	8296.90	251457	91.8317 ng/ml
Citalopram	5.232	935452	555.59	34.8	360.54	407976	102.0699 ng/ml
Clonazepam	5.619	551110	1128.14	34.2	∞	76151	104.1608 ng/ml
Clonazepam	5.556	360267	948823.04	36.3	125572.09	76151	105.9524 ng/ml
Cocaine	4.276	719911	87447.83	58.1	2126.84	594193	100.3831 ng/ml
Codeine	2.594	83745	246.07	107.1	81.90	43058	107.1610 ng/ml
Cyclobenzaprine	5.642	687505	22662.61	8.1	6703.47	279680	92.9465 ng/ml
Dextromethorphan	5.281	490891	65554.95	82.6	9185.46	201461	101.8781 ng/ml
Dextrophan	4.130	328503	405.07	199.8	1125.94	326999	98.9681 ng/ml
Diazepam	5.960	358337	10548.19	90.1	6660.40	157949	106.0552 ng/ml
Dihydrocodeine	2.573	226839	7138.02	68.5	4623.68	135427	105.8457 ng/ml
Diphenhydramine	5.309	2526077	64860.98	31.2	27416.47	1428555	105.6230 ng/ml
Doxylamine	4.548	2430269	7099.94	98.1	11529.37	1041645	102.3133 ng/ml
EDDP	5.274	778299	23831.42	41.1	40814.43	416656	97.1278 ng/ml
Etizolam	5.827	241229	10100.94	27.1	86696.42	76151	93.0855 ng/ml
Fentanyl	5.109	85099	66014.16	66.9	122.93	450012	9.8936 ng/ml
Flualprazolam	5.712	219244	3210.35	100.3	2925.99	190759	111.2084 ng/ml
Fluoxetine	5.728	716496	104618.36	7.9	294.31	268455	96.6978 ng/ml
Hydrocodone	3.034	348291	85.48	37.2	94.95	204090	102.4886 ng/ml
Hydromorphone	1.621	290221	6642.48	77.4	1587929.67	88945	98.4871 ng/ml
Ketamine	4.063	795915	498.19	35.2	4983.23	346822	104.7431 ng/ml
Lamotrigine	4.292	61885	2332.41	90.7	102633.92	346822	102.4070 ng/ml
Levetiracetam	2.658	346763	5824.75	161.8	1363.02	937979	103.5913 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	433414	24779.09	51.5	809.29	76151	101.5335 ng/ml
MDA	3.212	1200527	4966.80	29.3	2615.67	290255	114.8089 ng/ml
MDMA	3.306	777598	255874.47	89.9	3838.00	80089	98.7314 ng/ml
Meprobamate	4.910	319131	16791.18	27.8	412.62	182480	101.0907 ng/ml
Methadone	5.673	1421920	36866.38	58.7	23017.60	584148	94.9809 ng/ml
Methamphetamine	3.233	1459670	1049.74	39.2	1712.56	597296	103.1488 ng/ml
Metoprolol	4.338	224690	341663.10	97.1	4316.08	914935	106.1314 ng/ml
Mirtazapine	4.636	1515891	2514.22	52.6	66823.86	422500	98.1465 ng/ml
Mitragynine	5.243	310622	33123.65	36.0	132016.25	584148	106.9913 ng/ml
Morphine	1.253	36421	385.19	29.5	19869.40	6450	85.5374 ng/ml
Norbuprenorphine	5.005	3605	5340.75	89.3	27015.26	15501	10.0840 ng/ml
Nordiazepam	5.907	374925	8121.80	54.9	1881.81	123281	103.9507 ng/ml
Norfentanyl	4.097	188480	162.44	35.6	1469.67	756729	9.5675 ng/ml
Norhydrocodone	3.082	52400	216.96	39.3	227.11	45301	90.6557 ng/ml
Noroxycodone	2.925	345429	2023.31	48.2	2870.16	106021	96.0034 ng/ml
O-desmethyl-tramadol	3.386	1865645	50398.89	5.8	908.03	946455	97.9152 ng/ml
Oxazepam	5.763	587796	259.47	75.0	1954.34	323252	104.5226 ng/ml
Oxycodone	2.850	682037	1539.26	30.6	976.66	251999	107.5824 ng/ml
Oxymorphone	1.411	291798	∞	44.6	∞	93279	99.4398 ng/ml
Phentermine	3.787	458586	432.13	5.3	200.33	563355	107.2119 ng/ml
Promethazine	5.560	1572487	1042.05	30.7	891.66	662169	98.6925 ng/ml
Pseudoephedrine	2.597	1919551	35627.80	17.2	25204.31	937979	98.6202 ng/ml
Quetiapine	5.569	1034369	677132.86	59.1	998833.14	152934	101.8575 ng/ml
Sertraline	5.796	199916	10216.91	94.9	11343.18	86405	94.7327 ng/ml
Temazepam	5.831	962650	9363.76	27.1	820.30	469387	95.5626 ng/ml
Tramadol	4.257	1925218	∞	3.4	399.06	914935	101.3847 ng/ml
Trazodone	5.162	1103456	840666.01	81.4	399346.17	456796	107.0514 ng/ml
Venlafaxine	5.050	1717188	162374.75	32.0	1416.78	861837	102.4649 ng/ml
Zolpidem	4.920	1618286	714654.94	29.6	33010.25	738297	113.4061 ng/ml

TS



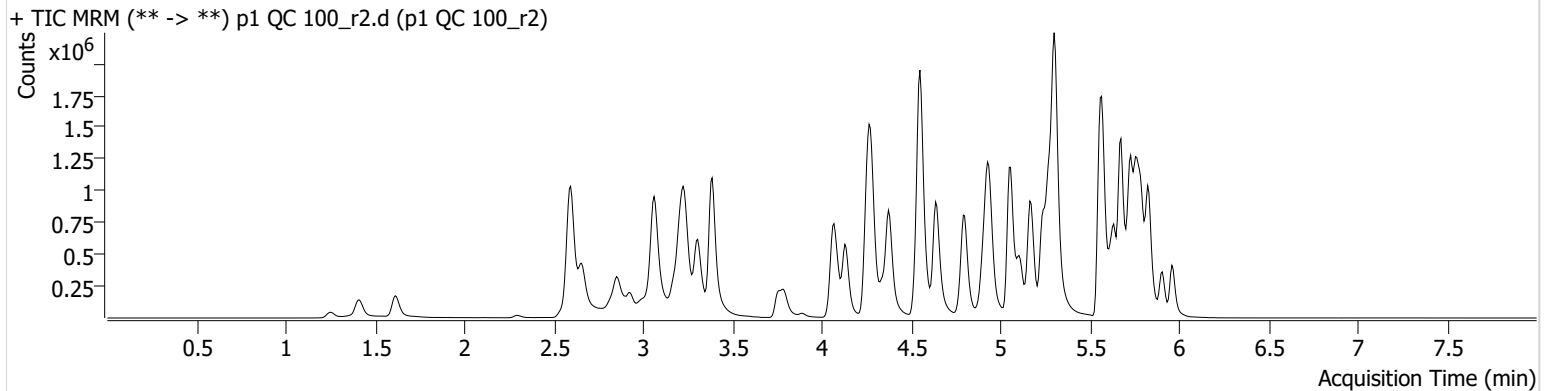
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 PM

**Instrument** Falco (069901) **Data File** p1 QC 100\_r2.d  
**Type** QC **Sample** p1 QC 100\_r2  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-B2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 6/14/2022 6:01:45 PM  
**Sample Info.**

QC used to bracket re-injected samples.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	17586	1462.88	74.0	20730.73	44527	9.9181 ng/ml
7-aminoclonazepam	4.270	281744	8457.54	74.1	4633.39	108818	106.4048 ng/ml
a-hydroxyalprazolam	5.706	151991	2372.43	66.6	1064.65	198055	100.6592 ng/ml
alpha-PHP	4.943	311426	818.68	259.5	118959.18	430186	104.7953 ng/ml
alpha-PVP	4.381	1145895	71055.49	51.8	771.97	430186	97.8276 ng/ml
Alprazolam	5.782	557054	2475.39	109.2	2990.25	198055	99.2718 ng/ml
Amphetamine	3.065	2029183	2237.18	45.8	26505.65	237730	110.0099 ng/ml
Benzoylcegonine	3.890	28444	∞	8.4	18.31	9370	100.5110 ng/ml
Buprenorphine	5.853	30331	24369.84	15.3	8380.59	99374	10.0750 ng/ml
Bupropion	4.800	1172048	55822.69	68.2	∞	419170	99.5176 ng/ml
Carisoprodol	5.731	546210	399447.10	60.6	706.33	252529	89.6336 ng/ml
Citalopram	5.232	952524	77664.71	34.8	1132386.28	420893	100.7431 ng/ml
Clonazepam	5.619	548277	24480.40	34.9	261716.59	78589	100.3903 ng/ml
Clonazepam	5.556	366094	473327.92	36.3	172891.14	78589	104.3056 ng/ml
Cocaine	4.276	745668	56681.04	57.3	27165.52	615850	100.3183 ng/ml
Codeine	2.600	88027	8620.55	103.4	4629.94	43794	110.7852 ng/ml
Cyclobenzaprine	5.642	727473	19886.12	8.2	328.06	294128	93.5153 ng/ml
Dextromethorphan	5.281	505207	92631.76	82.0	814.28	206348	102.3662 ng/ml
Dextrophan	4.130	338322	6731.90	197.9	36001.51	334881	99.5260 ng/ml
Diazepam	5.960	367851	6146.25	89.4	4007.94	161076	106.7591 ng/ml
Dihydrocodeine	2.573	224840	17191.17	69.5	141.86	139477	101.8496 ng/ml
Diphenhydramine	5.309	2548493	98320.14	31.8	395.86	1465788	103.8586 ng/ml
Doxylamine	4.548	2456455	86832.49	99.3	10486.38	1045641	103.0210 ng/ml
EDDP	5.274	798242	15796.99	41.7	440.10	439569	94.4289 ng/ml
Etizolam	5.827	250067	21255.44	27.3	5358.97	78589	93.5004 ng/ml
Fentanyl	5.116	87257	9233.83	67.5	92949.22	454799	10.0375 ng/ml
Flualprazolam	5.712	221029	18205.54	101.6	3752.15	198055	107.9636 ng/ml
Fluoxetine	5.728	754089	75401.14	7.9	16670.69	285127	95.8233 ng/ml
Hydrocodone	3.034	356249	1092.71	36.1	91.43	209501	102.1206 ng/ml
Hydromorphone	1.615	299399	482.98	75.4	3718.11	91234	99.0526 ng/ml
Ketamine	4.063	817569	1028.03	34.7	302.18	356172	104.7686 ng/ml
Lamotrigine	4.292	62728	1275.06	89.7	3542.40	356172	101.0676 ng/ml
Levetiracetam	2.658	350679	4267.15	161.8	393.58	956259	102.7589 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	427605	16344.22	52.8	1121.69	78589	96.9644 ng/ml
MDA	3.212	1209654	8057.58	28.9	1656.96	284307	118.1409 ng/ml
MDMA	3.306	793380	882690.97	89.6	3942.30	81169	99.3940 ng/ml
Meprobamate	4.910	309957	570.59	28.0	6938.82	180895	99.0216 ng/ml
Methadone	5.673	1458988	1151.52	58.6	30749.43	604035	94.2580 ng/ml
Methamphetamine	3.233	1475983	1793.61	39.3	2521.20	611596	101.8545 ng/ml
Metoprolol	4.338	229731	3976.23	95.8	3516.16	920348	107.8882 ng/ml
Mirtazapine	4.636	1558227	7007.63	52.5	2506.12	430186	99.0828 ng/ml
Mitragynine	5.243	316373	789.71	36.0	511.97	604035	105.3779 ng/ml
Morphine	1.253	43312	4690.00	29.4	113.68	6556	100.2111 ng/ml
Norbuprenorphine	5.005	3763	762.72	90.8	5425.86	15742	10.3686 ng/ml
Nordiazepam	5.907	378235	2187.07	54.7	1666.60	125554	102.9666 ng/ml
Norfentanyl	4.097	192611	3379.83	35.1	777.92	768677	9.6250 ng/ml
Norhydrocodone	3.082	51362	548.68	39.8	125.79	45302	88.8830 ng/ml
Noroxycodone	2.925	346923	467.23	48.3	110195.67	107652	94.9592 ng/ml
O-desmethyl-tramadol	3.386	1883499	981.02	5.8	5056.74	971785	96.2793 ng/ml
Oxazepam	5.763	603899	155.66	73.2	246.43	329532	105.3421 ng/ml
Oxycodone	2.850	697304	6982.05	30.0	1238.38	256488	108.0688 ng/ml
Oxymorphone	1.411	283498	∞	46.9	1029.33	89752	100.4124 ng/ml
Phentermine	3.794	463964	17025.82	5.3	45.54	566960	107.7845 ng/ml
Promethazine	5.560	1649578	452.74	30.4	670.61	695722	98.5382 ng/ml
Pseudoephedrine	2.597	1944860	54979.57	17.1	175.56	956259	98.0127 ng/ml
Quetiapine	5.569	1067597	878.52	58.5	46823.23	158261	101.5880 ng/ml
Sertraline	5.796	216251	6612.87	96.9	513.61	91942	96.2879 ng/ml
Temazepam	5.831	955869	29133.16	27.8	4389.61	472515	94.2650 ng/ml
Tramadol	4.257	1969264	∞	3.4	376.53	920348	103.1024 ng/ml
Trazodone	5.162	1151261	186425.78	80.0	112896.21	474761	107.4654 ng/ml
Venlafaxine	5.056	1725129	2229.96	32.3	1139.67	872799	101.6480 ng/ml
Zolpidem	4.927	1601077	206090.00	30.9	31558.70	751308	110.2374 ng/ml



TS

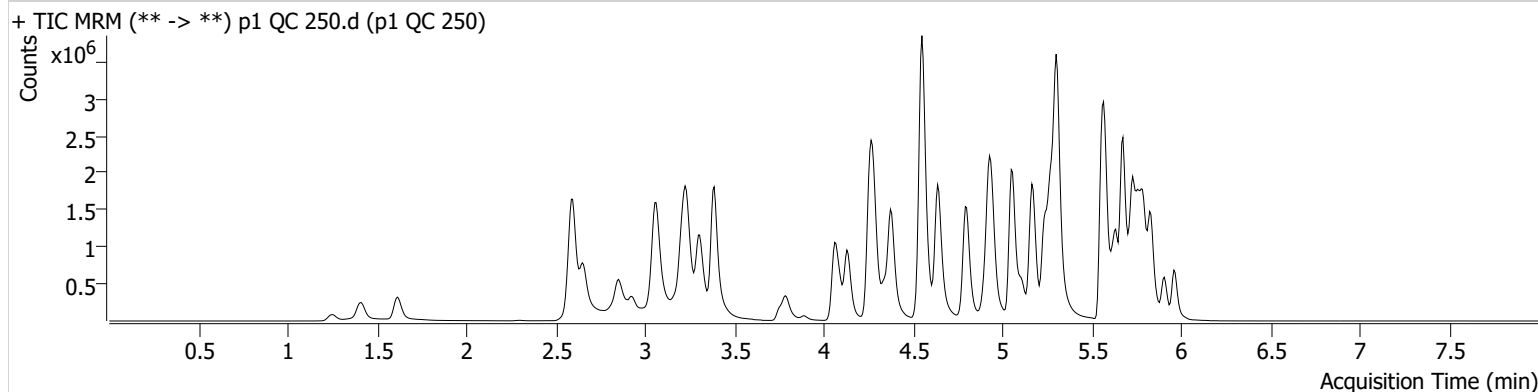


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 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>	Tamara Salazar
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 4:06:35 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	36705	513.97	72.9	904.43	37831	24.3753 ng/ml
7-aminoclonazepam	4.270	455053	5932.10	71.2	634.36	75345	249.4500 ng/ml
a-hydroxyalprazolam	5.699	240847	500.71	67.4	339.54	143185	221.9032 ng/ml
alpha-PHP	4.943	617396	1089.53	257.6	145381.92	349601	256.8158 ng/ml
alpha-PVP	4.381	2351789	1147.47	51.8	52135.05	349601	246.8380 ng/ml
Alprazolam	5.782	1052258	∞	108.8	2632.09	143185	259.4494 ng/ml
Amphetamine	3.065	3679453	522.70	46.7	500.57	197623	242.5630 ng/ml
Benzoylcegonine	3.890	60122	25059.39	8.4	245.64	7720	257.3853 ng/ml
Buprenorphine	5.853	64225	114903.80	15.4	9891.71	80541	26.2935 ng/ml
Bupropion	4.800	2438107	205870.74	68.3	34556.20	347801	249.9241 ng/ml
Carisoprodol	5.737	911831	52439.35	60.7	11357.44	157398	237.0520 ng/ml
Citalopram	5.232	1879126	20878.81	34.8	474.16	322960	259.0040 ng/ml
Clonazepam	5.619	980642	31746.69	34.3	186488.60	57258	247.2649 ng/ml
Clonazepam	5.556	580549	4689.94	36.7	239427.61	57258	228.5794 ng/ml
Cocaine	4.276	1440731	73893.55	58.1	92315.56	481358	248.0651 ng/ml
Codeine	2.594	163292	6993.30	102.1	6116.95	34498	262.3870 ng/ml
Cyclobenzaprine	5.642	1433459	46638.98	7.9	16086.48	220710	244.6830 ng/ml
Dextromethorphan	5.281	963496	19705.65	81.4	455.78	155904	258.4918 ng/ml
Dextrophan	4.130	684339	610.96	198.0	82297.53	269283	250.0508 ng/ml
Diazepam	5.960	712798	9479.24	90.1	33785.64	124742	267.6052 ng/ml
Dihydrocodeine	2.566	454905	6613.66	68.3	33716.80	113958	252.8627 ng/ml
Diphenhydramine	5.309	5081806	96181.78	31.5	34445.33	1140731	265.6389 ng/ml
Doxylamine	4.548	5229454	106483.46	98.1	11587.28	884607	259.3661 ng/ml
EDDP	5.274	1650094	85665.58	41.4	23306.33	354348	241.8624 ng/ml
Etizolam	5.827	478108	4506.95	27.2	1913.19	57258	244.6798 ng/ml
Fentanyl	5.116	183936	499.24	66.7	205568.78	392643	24.4847 ng/ml
Flualprazolam	5.712	395460	16983.95	104.5	208258.41	143185	268.2347 ng/ml
Fluoxetine	5.728	1419514	9009.29	7.8	157056.29	205074	250.3329 ng/ml
Hydrocodone	3.034	683043	332.86	36.8	∞	172038	239.4188 ng/ml
Hydromorphone	1.615	630671	6361395.43	75.3	2174218.54	75415	252.4107 ng/ml
Ketamine	4.063	1667758	101561.37	34.5	4252.27	292822	260.7356 ng/ml
Lamotrigine	4.292	115591	1658.22	91.4	427.77	292822	227.4057 ng/ml
Levetiracetam	2.658	672132	2878.17	161.5	9225.17	722425	260.6569 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	<del>5.754</del>	<del>589513</del>	<del>16780.27</del>	<del>52.8</del>	<del>3734.40</del>	<del>57258</del>	<del>185.5192 ng/ml</del>
MDA	3.205	2141870	2800.31	28.0	1193.52	216567	276.4248 ng/ml
MDMA	3.306	1586134	95758.99	89.5	11277.33	63301	254.7190 ng/ml
Meprobamate	4.910	533234	16604.10	27.8	4590.62	141728	218.7963 ng/ml
Methadone	5.673	3015808	51359.54	57.8	23363.14	479949	243.2122 ng/ml
Methamphetamine	3.233	2966541	26376.12	37.8	1919.35	507054	247.8752 ng/ml
Metoprolol	4.338	446724	11879.43	97.0	1405.53	721181	269.0017 ng/ml
Mirtazapine	4.636	3194871	4539.74	51.8	2822.82	349601	249.6325 ng/ml
Mitragynine	5.243	624063	1166704.19	36.7	14583.96	479949	262.2547 ng/ml
Morphine	1.253	93885	∞	27.3	241.94	5462	262.0283 ng/ml
Norbuprenorphine	5.005	7875	26641.08	92.3	18231.47	12722	27.0601 ng/ml
Nordiazepam	5.907	704896	1168.63	54.9	1727.22	93404	258.5779 ng/ml
Norfentanyl	4.097	398477	229.25	35.5	3463.19	600936	25.4157 ng/ml
Norhydrocodone	3.082	104760	313.54	38.7	324.36	33730	241.3275 ng/ml
Noroxycodone	2.925	626002	1015.21	47.7	676.47	77386	238.1650 ng/ml
O-desmethyl-tramadol	3.386	3926275	101097.39	5.9	560.19	784365	248.3065 ng/ml
Oxazepam	5.763	907126	13501.43	72.0	4995.43	198311	263.4524 ng/ml
Oxycodone	2.843	1375742	1092.87	30.2	2230.34	209204	262.4315 ng/ml
Oxymorphone	1.411	583970	∞	46.4	∞	72448	256.8996 ng/ml
Phentermine	3.787	903697	∞	4.9	128.39	480411	248.9254 ng/ml
Promethazine	5.560	3357205	102683.58	30.0	2027.36	553448	251.7274 ng/ml
Pseudoephedrine	2.597	3835595	81120.30	17.0	39107.53	722425	255.2677 ng/ml
Quetiapine	5.569	1973372	52808.77	61.6	675.49	121879	245.1276 ng/ml
Sertraline	5.796	433621	30102.11	93.0	30918.38	73267	241.0109 ng/ml
Temazepam	5.831	1618986	61382.49	27.3	4957.53	318583	236.4045 ng/ml
Tramadol	4.257	3962932	∞	3.3	403.43	721181	265.5417 ng/ml
Trazodone	5.162	2356641	33575.16	81.8	156054.08	402355	260.4794 ng/ml
Venlafaxine	5.050	3633614	365630.28	31.2	1658.31	717192	260.1566 ng/ml
Zolpidem	4.927	3236327	2602.47	29.2	46602.34	625004	268.8680 ng/ml

\*Outside curve range.

TS

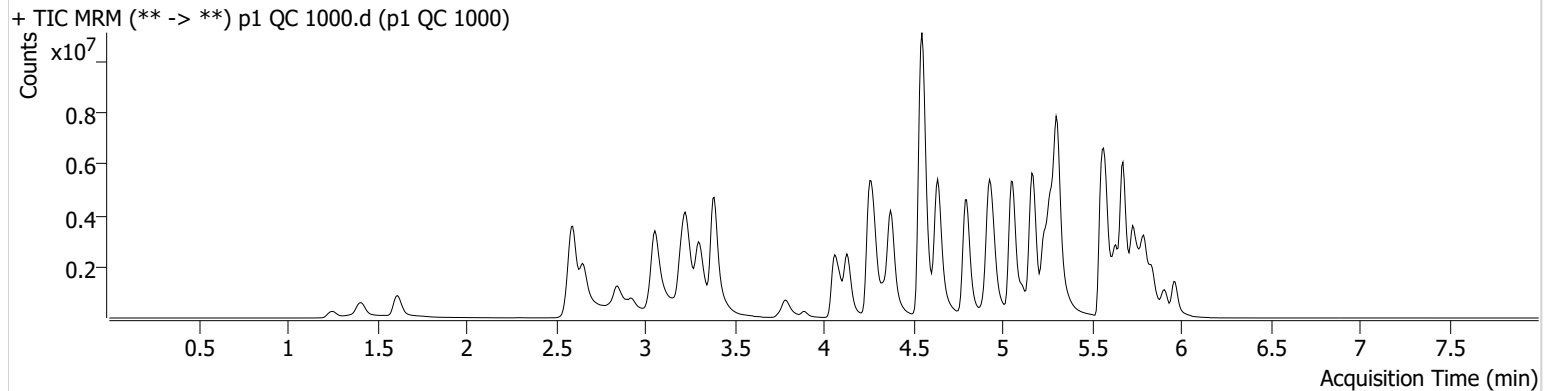


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 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>	Tamara Salazar
<b>Sample Position</b>	P2-D2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 4:27:48 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	128622	2034.09	71.5	194605.56	31560	102.4126 ng/ml
<del>7-aminoclonazepam</del>	<del>4.270</del>	<del>649141</del>	<del>8926.23</del>	<del>74.5</del>	<del>1744.34</del>	<del>35200</del>	<del>763.5819 ng/ml</del>
<del>a-hydroxyalprazolam</del>	<del>5.699</del>	<del>332912</del>	<del>∞</del>	<del>65.8</del>	<del>238.18</del>	<del>83492</del>	<del>527.4881 ng/ml</del>
alpha-PHP	4.949	1695338	179430.66	260.0	392530.55	264362	934.7295 ng/ml
alpha-PVP	4.375	7695782	59629.27	50.9	52566.62	264362	1067.6905 ng/ml
Alprazolam	5.782	2401520	737.71	106.7	1523.80	83492	1015.5991 ng/ml
<del>Amphetamine</del>	<del>3.058</del>	<del>8518309</del>	<del>167.99</del>	<del>46.5</del>	<del>155.03</del>	<del>162506</del>	<del>686.9096 ng/ml</del>
Benzoylcegonine	3.890	246017	32530.17	8.4	8098.19	7778	1044.3790 ng/ml
<del>Buprenorphine</del>	<del>5.853</del>	<del>232989</del>	<del>1423407.30</del>	<del>15.6</del>	<del>81720.05</del>	<del>60232</del>	<del>127.4795 ng/ml</del>
Bupropion	4.800	8201066	419124.96	67.0	31469.01	308710	947.9111 ng/ml
Carisoprodol	5.737	1381276	428764.59	60.8	692.04	56320	997.7643 ng/ml
Citalopram	5.232	4797053	35763.59	34.1	74771.55	183787	1161.8595 ng/ml
<del>Clonazepam</del>	<del>5.612</del>	<del>1681886</del>	<del>60830.49</del>	<del>34.6</del>	<del>30403.29</del>	<del>30145</del>	<del>806.7692 ng/ml</del>
<del>Clonazepam</del>	<del>5.556</del>	<del>789020</del>	<del>556721.90</del>	<del>37.4</del>	<del>331291.67</del>	<del>30145</del>	<del>592.1585 ng/ml</del>
Cocaine	4.276	3971222	152002.52	57.5	199052.11	330412	996.3046 ng/ml
Codeine	2.594	402135	4569.12	99.8	9914.11	24930	896.8171 ng/ml
Cyclobenzaprine	5.642	4087464	2880.74	7.4	16624.00	141046	1089.8999 ng/ml
Dextromethorphan	5.281	2164684	125015.19	82.4	63653.79	88156	1027.2605 ng/ml
Dextrophan	4.130	2122971	10777.46	202.1	232887.74	196616	1061.7510 ng/ml
Diazepam	5.967	1806746	3109.22	89.9	10712.96	81885	1034.2193 ng/ml
<del>Dihydrocodeine</del>	<del>2.566</del>	<del>1329844</del>	<del>13185.60</del>	<del>70.1</del>	<del>11631.94</del>	<del>104988</del>	<del>803.3209 ng/ml</del>
Diphenhydramine	5.309	13850733	257091.06	31.2	66410.41	729939	1130.4828 ng/ml
Doxylamine	4.548	17338080	354449.69	97.0	805557.69	775188	981.5266 ng/ml
EDDP	5.274	5545876	129356.94	40.7	73748.98	284393	1012.2633 ng/ml
<del>Etizolam</del>	<del>5.827</del>	<del>1175376</del>	<del>8448.70</del>	<del>27.8</del>	<del>1067.02</del>	<del>30145</del>	<del>1140.9881 ng/ml</del>
Fentanyl	5.116	743129	49873.30	66.3	71450.45	369081	105.1827 ng/ml
Flualprazolam	5.712	778226	14144.69	110.7	2997.21	83492	906.9384 ng/ml
Fluoxetine	5.728	3475053	168174.40	7.5	74657.24	116784	1075.1916 ng/ml
Hydrocodone	3.027	2046269	257.12	37.5	124.04	140850	878.0378 ng/ml
Hydromorphone	1.615	2040735	7847755.76	77.4	16399214.8	62458	986.1848 ng/ml
Ketamine	4.063	5187911	100308.23	33.3	13485.72	255264	931.7670 ng/ml
<del>Lamotrigine</del>	<del>4.299</del>	<del>247708</del>	<del>626.94</del>	<del>90.9</del>	<del>4488.90</del>	<del>255264</del>	<del>560.0519 ng/ml</del>

p1 QC 1000

\*Outside curve range.

Generated at 1:54 PM on 6/17/2022

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Levetiracetam	2.658	1862650	4605.35	165.2	6607.39	506137	1030.9389 ng/ml
* Lorazepam	<del>5.754</del>	<del>649354</del>	<del>26795.16</del>	<del>51.9</del>	<del>1004.61</del>	<del>30145</del>	<del>390.6434 ng/ml</del>
MDA	3.199	4017283	4624.80	27.2	1610.32	135472	831.5429 ng/ml
MDMA	3.299	4677187	15504.80	88.7	28152.32	46749	1016.8887 ng/ml
* Meprobamate	<del>4.903</del>	<del>957606</del>	<del>46658.94</del>	<del>27.6</del>	<del>12857.05</del>	<del>101077</del>	<del>552.6846 ng/ml</del>
Methadone	5.673	8898164	98230.86	55.4	108065.00	339826	1009.5418 ng/ml
* Methamphetamine	<del>3.233</del>	<del>9028314</del>	<del>90718.22</del>	<del>36.4</del>	<del>1586.79</del>	<del>477394</del>	<del>802.7431 ng/ml</del>
* Metoprolol	<del>4.338</del>	<del>1119289</del>	<del>578814.30</del>	<del>96.7</del>	<del>6347.68</del>	<del>575857</del>	<del>845.9181 ng/ml</del>
Mirtazapine	4.636	10254357	9332.81	50.7	8738.46	264362	1058.8327 ng/ml
Mitragynine	5.243	1580021	599046.75	37.4	69203.78	339826	938.8985 ng/ml
Morphine	1.253	315381	304.15	26.4	10315.27	5503	875.4478 ng/ml
Norbuprenorphine	5.005	28207	14398.21	96.1	52644.76	12059	102.6367 ng/ml
Nordiazepam	5.907	1416072	627.42	59.2	812.97	50330	965.1889 ng/ml
* Norfentanyl	<del>4.097</del>	<del>1269875</del>	<del>180.54</del>	<del>36.2</del>	<del>29873.39</del>	<del>395647</del>	<del>122.8937 ng/ml</del>
Norhydrocodone	3.082	359632	∞	40.3	660.47	23572	1180.6340 ng/ml
Noroxycodone	2.925	1378716	3253.16	47.5	1241.69	41942	967.3997 ng/ml
O-desmethyl-tramadol	3.386	13084101	241590.44	5.8	28017.25	630828	1028.1700 ng/ml
Oxazepam	5.763	954368	15042.93	73.3	14229.44	56619	971.7401 ng/ml
Oxycodone	2.836	3803520	1070.02	30.2	1131.56	174011	873.9666 ng/ml
Oxymorphone	1.405	1883312	∞	46.1	494.21	56768	1058.6629 ng/ml
* Phentermine	<del>3.787</del>	<del>2346732</del>	<del>5843.19</del>	<del>5.1</del>	<del>3757.57</del>	<del>421504</del>	<del>738.5095 ng/ml</del>
Promethazine	5.552	10422892	87087.93	29.0	1681.18	408317	1058.5402 ng/ml
Pseudoephedrine	2.597	11188139	76210.82	16.5	55478.53	506137	1061.6143 ng/ml
Quetiapine	5.575	5045780	435.50	60.3	688.81	87763	872.7743 ng/ml
Sertraline	5.796	1144062	30805.80	93.6	18518.41	47434	979.5955 ng/ml
Temazepam	5.837	2587256	65847.61	27.1	4724.43	129020	932.0811 ng/ml
Tramadol	4.251	11373914	∞	3.2	2437.45	575857	955.7104 ng/ml
Trazodone	5.162	7750705	438895.87	82.2	118831.96	385691	895.2593 ng/ml
Venlafaxine	5.050	11690047	2618.34	30.4	109028.21	540396	1109.9718 ng/ml
Zolpidem	4.920	9366871	3057.14	28.0	4866.98	530707	918.1530 ng/ml

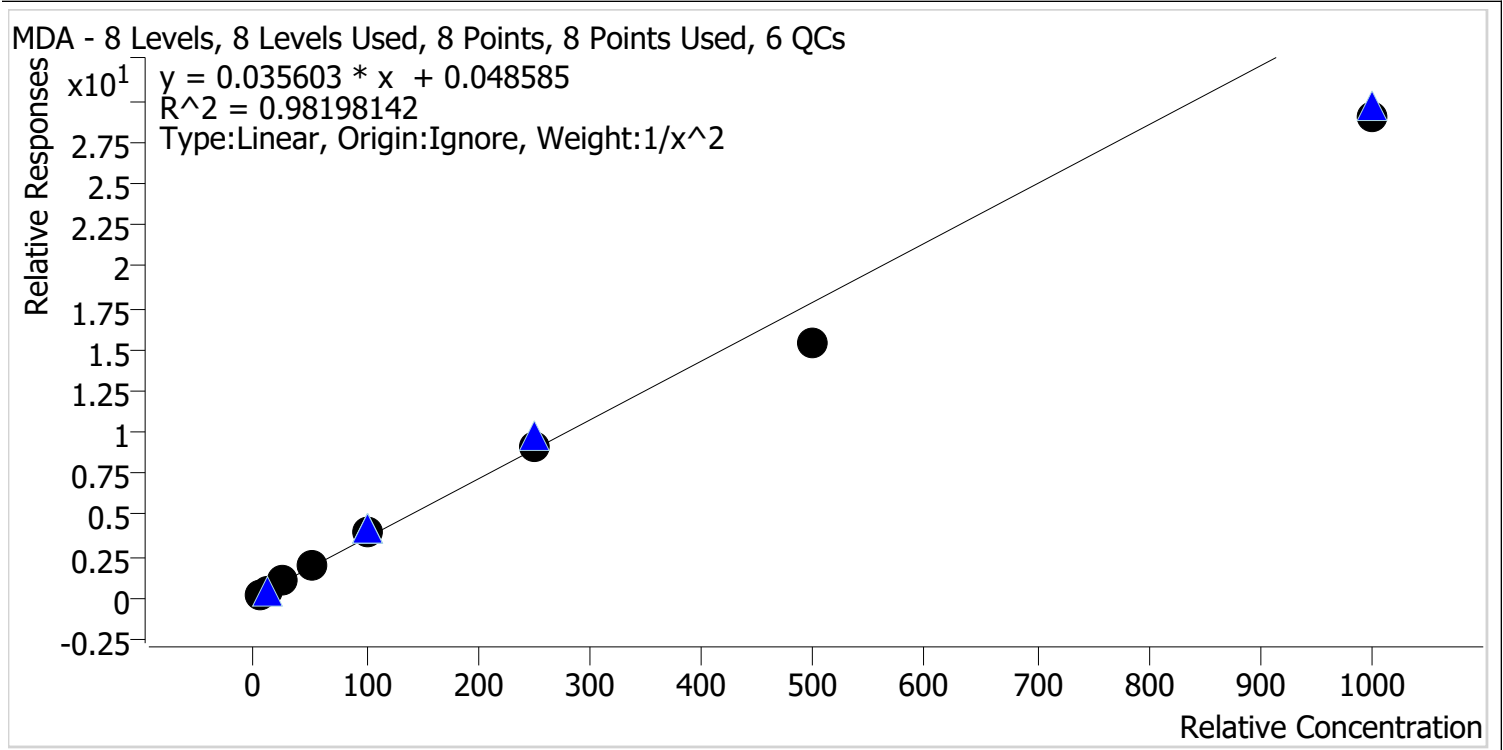
\*Outside curve range.

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5



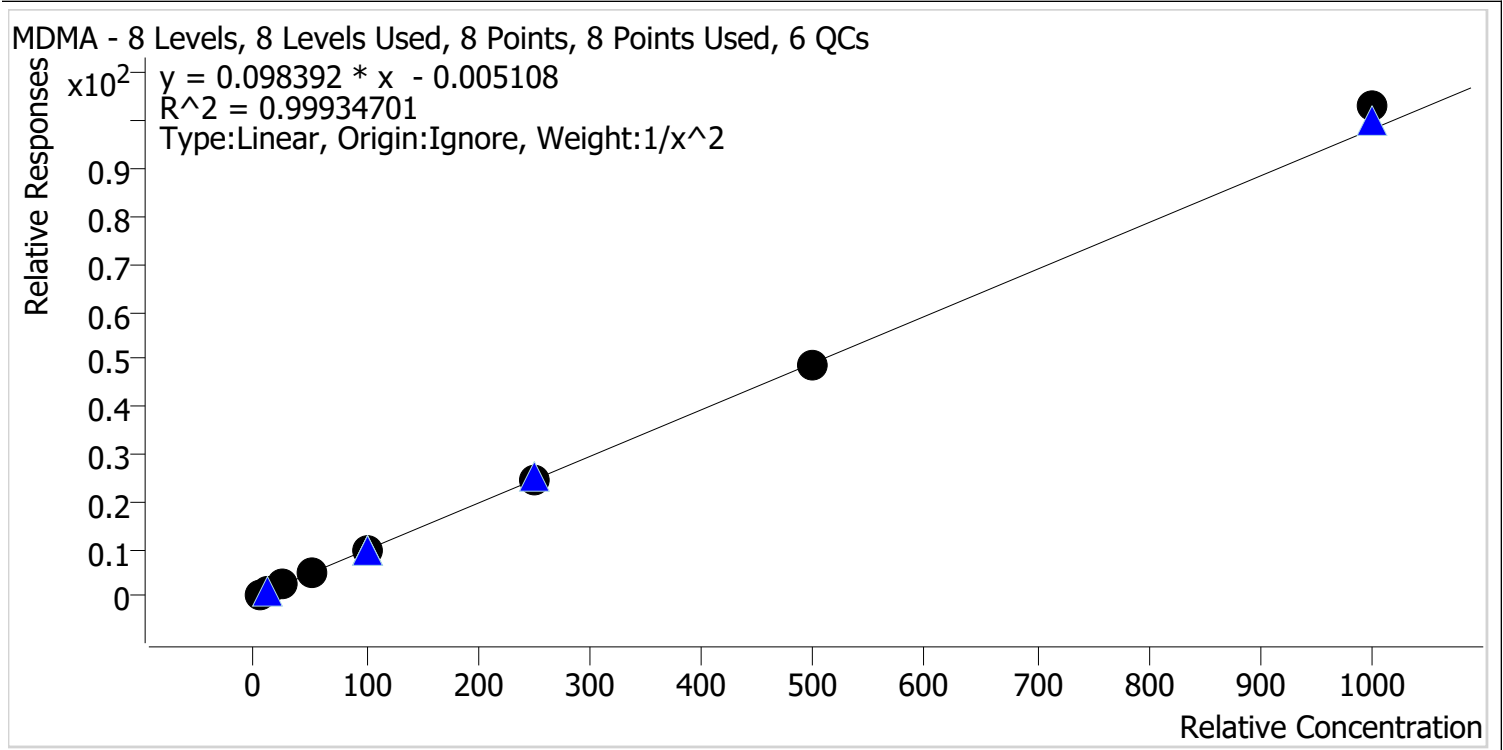
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.8
p1 Cal 2-10ng	2	✓	10.0	10.5	105.0
p1 Cal 3 -25ng	3	✓	25.0	27.8	111.0
p1 Cal 4-50ng	4	✓	50.0	56.5	113.0
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	429.6	85.9
p1 Cal 8-1000ng	8	✓	1000.0	815.3	81.5

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6



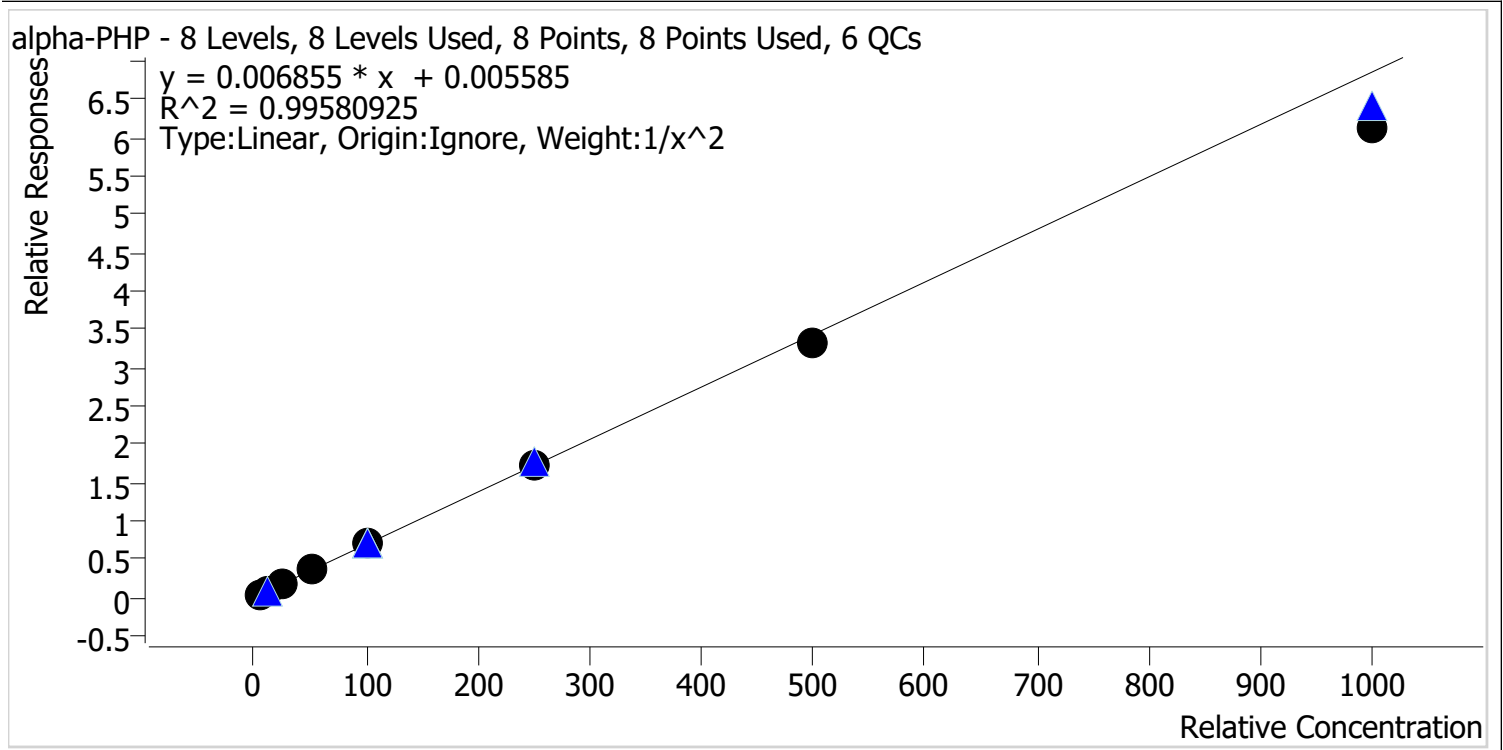
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1049.1	104.9

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8



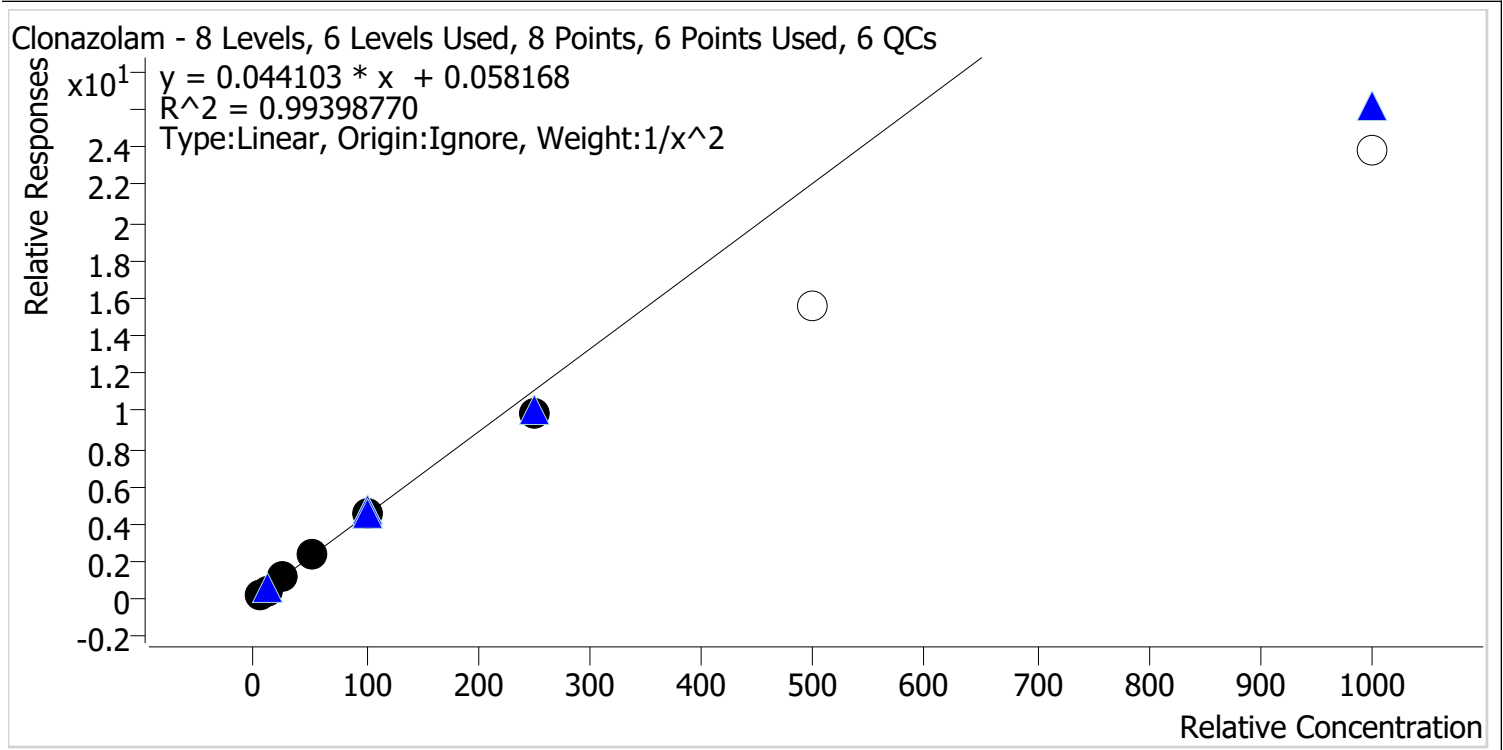
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	483.5	96.7
p1 Cal 8-1000ng	8	✓	1000.0	892.7	89.3

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	223.0	89.2
p1 Cal 7-500ng	7	✗	500.0	351.5	70.3
p1 Cal 8-1000ng	8	✗	1000.0	537.3	53.7

calibrators 7 and 8 removed due to accuracy

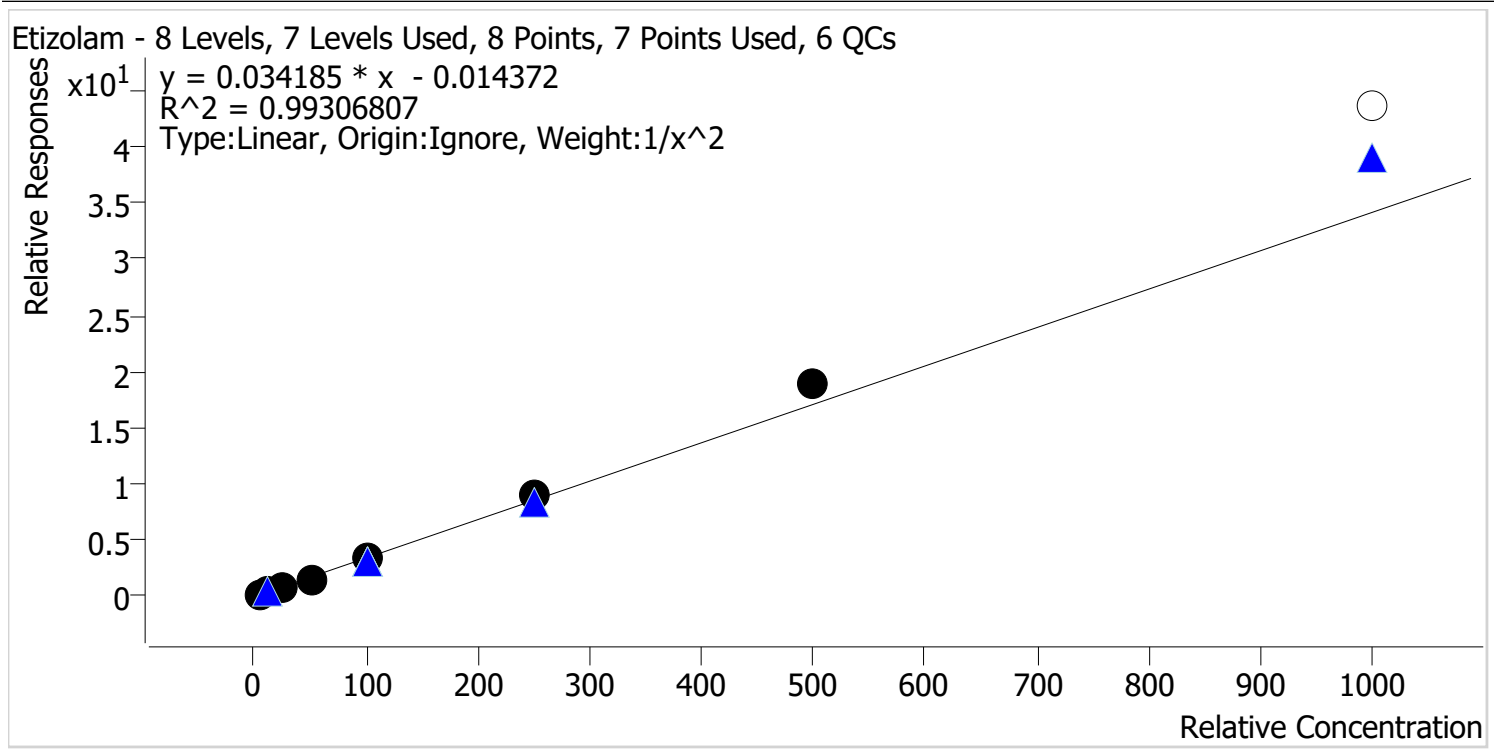


TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.5
p1 Cal 4-50ng	4	✓	50.0	46.3	92.7
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	263.8	105.5
p1 Cal 7-500ng	7	✓	500.0	557.9	111.6
p1 Cal 8-1000ng	8	x	1000.0	1276.4	127.6

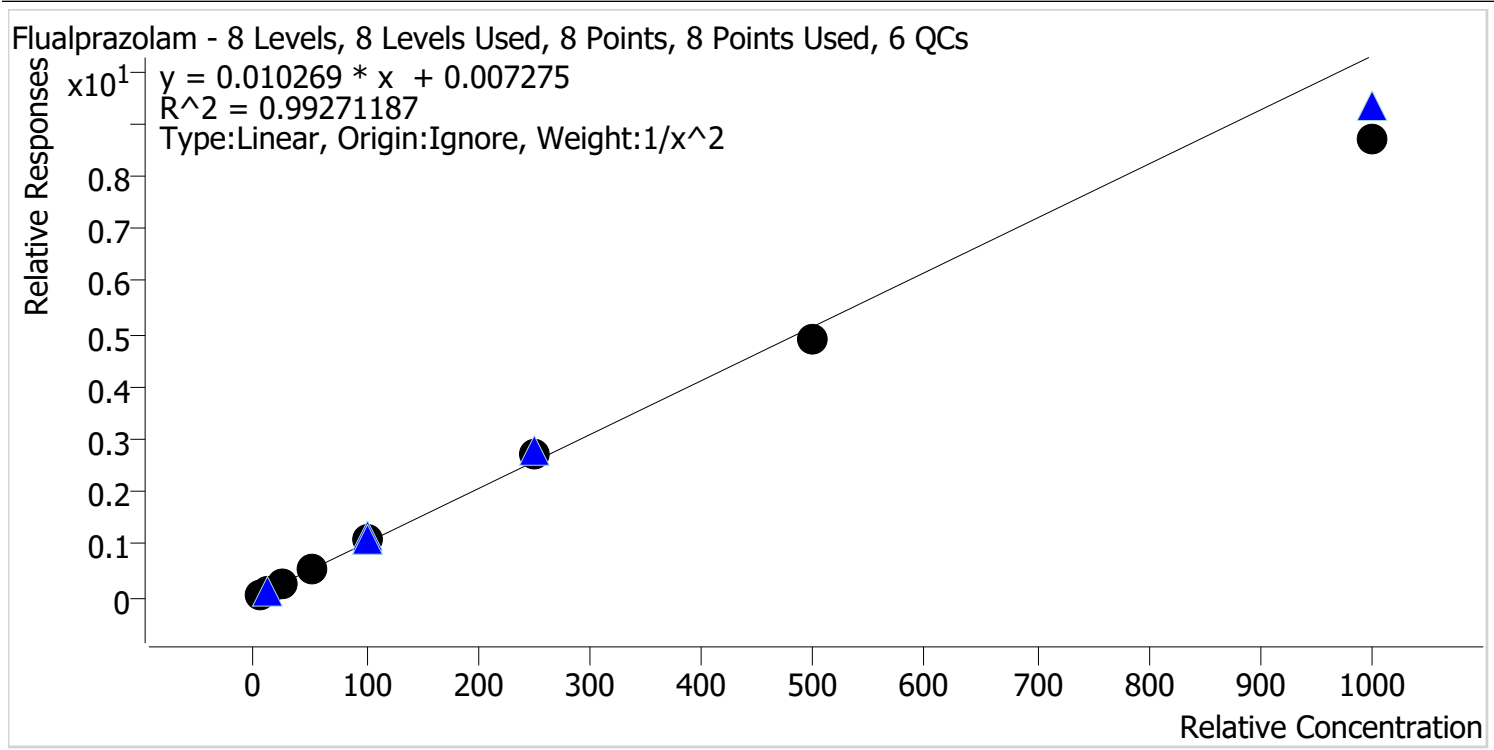
Calibrator 8 removed due to accuracy.

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.6
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	262.0	104.8
p1 Cal 7-500ng	7	✓	500.0	475.3	95.1
p1 Cal 8-1000ng	8	✓	1000.0	847.3	84.7

TS



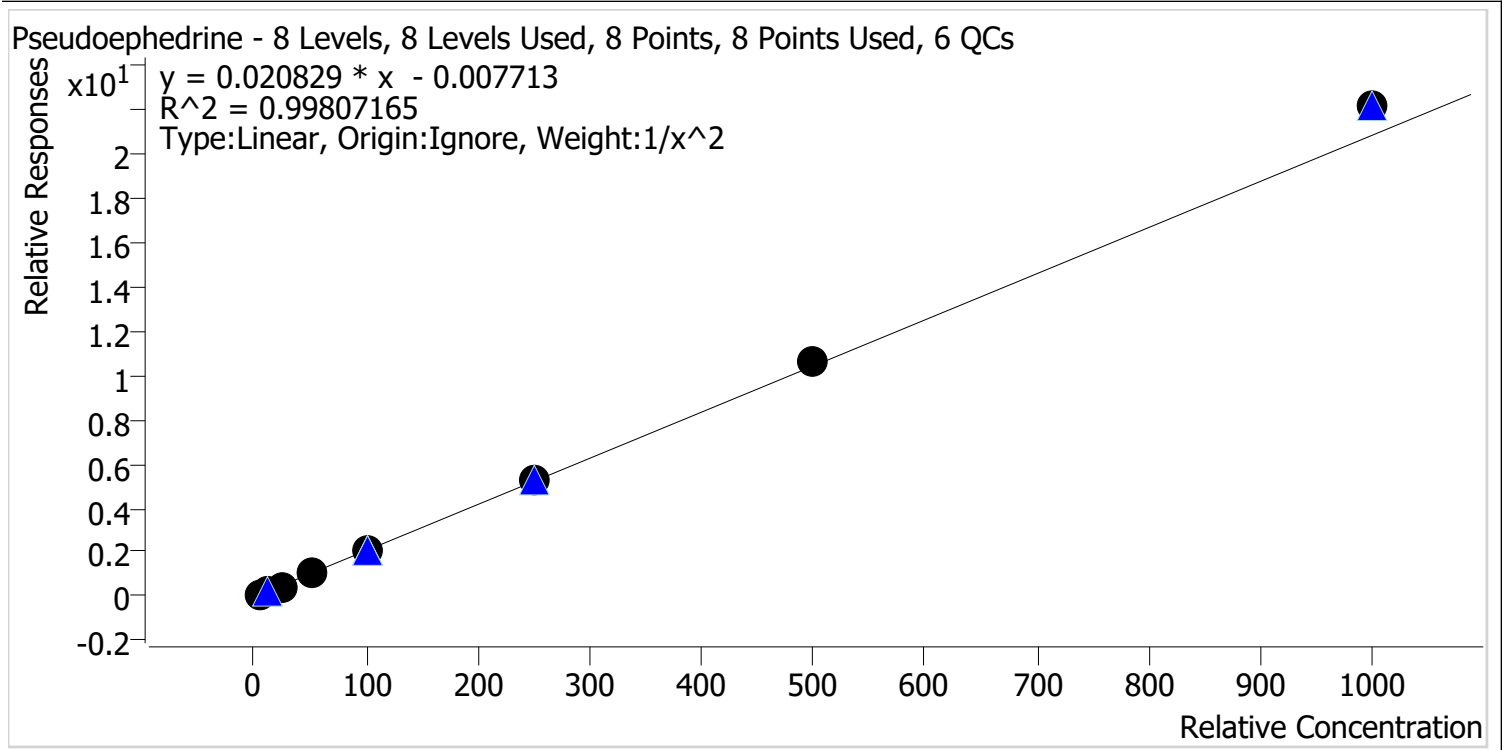
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin

**Last Cal. Update** 6/17/2022 9:29 AM

**Analyst Name** ISP\datastor

**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	509.2	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1062.9	106.3

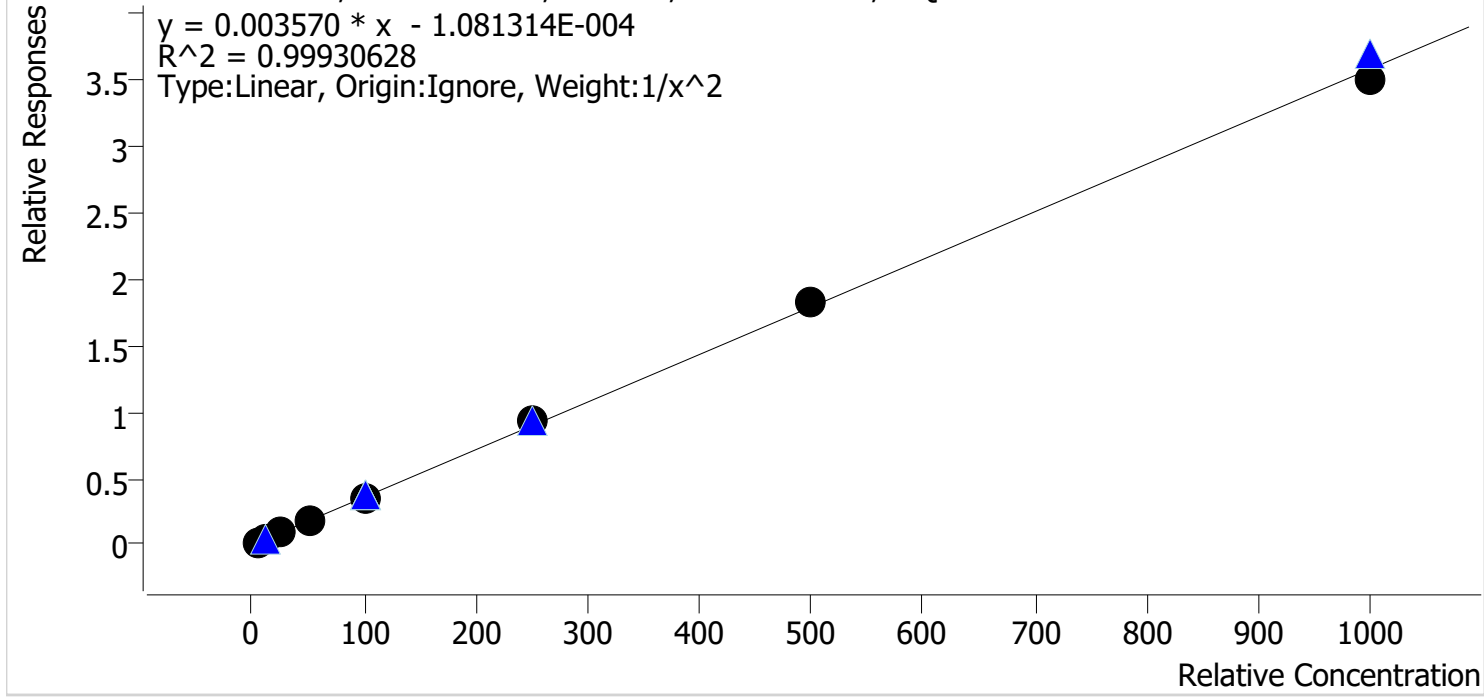
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



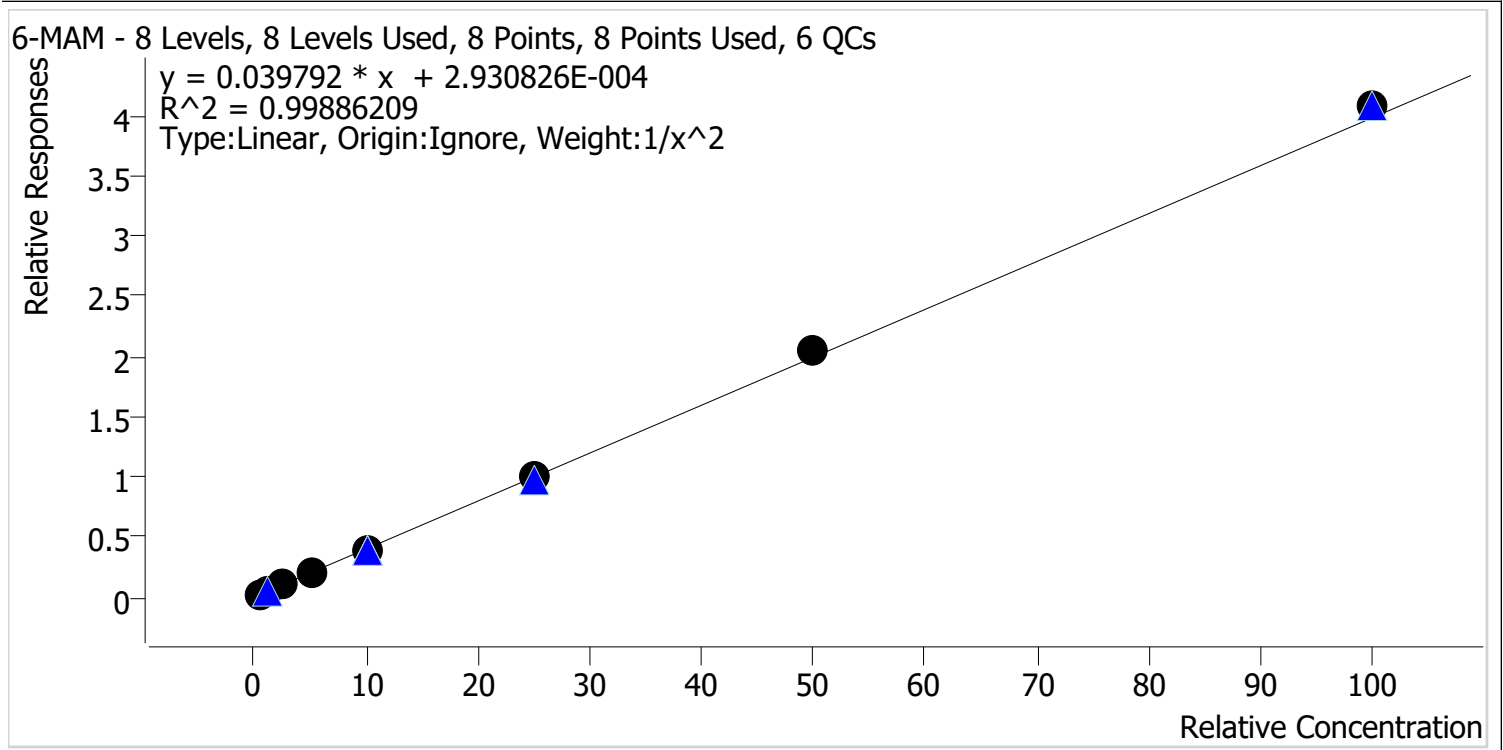
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	48.8	97.5
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	258.5	103.4
p1 Cal 7-500ng	7	✓	500.0	513.9	102.8
p1 Cal 8-1000ng	8	✓	1000.0	975.5	97.5

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6



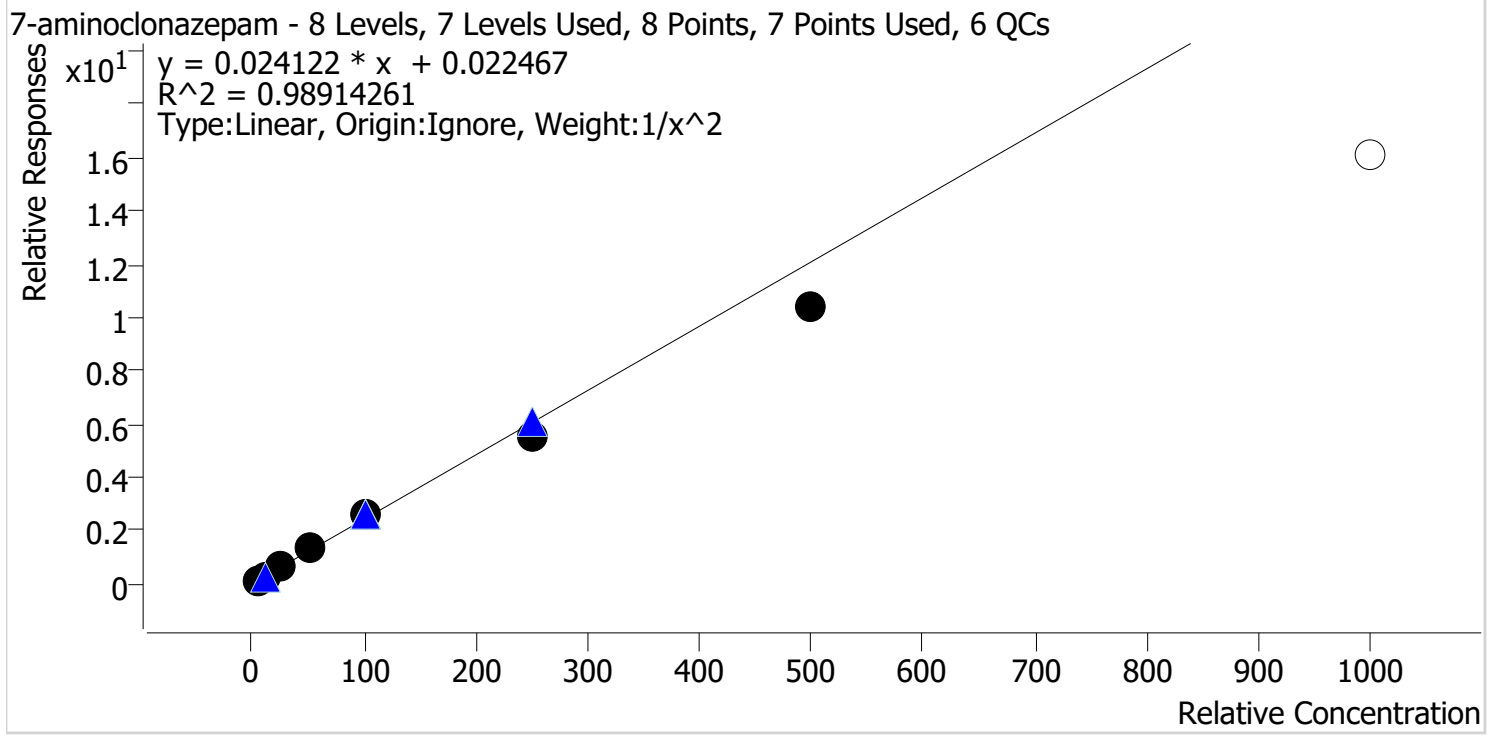
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.2
p1 Cal 2-10ng	2	✓	1.0	1.0	95.3
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.7
p1 Cal 4-50ng	4	✓	5.0	4.9	97.6
p1 Cal 5-100ng	5	✓	10.0	9.7	97.1
p1 Cal 6-250ng	6	✓	25.0	25.1	100.4
p1 Cal 7-500ng	7	✓	50.0	51.2	102.5
p1 Cal 8-1000ng	8	✓	100.0	102.3	102.3

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.3
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	230.6	92.3
p1 Cal 7-500ng	7	✓	500.0	430.0	86.0
p1 Cal 8-1000ng	8	x	1000.0	664.6	66.5

Calibrator 8 removed due to accuracy.

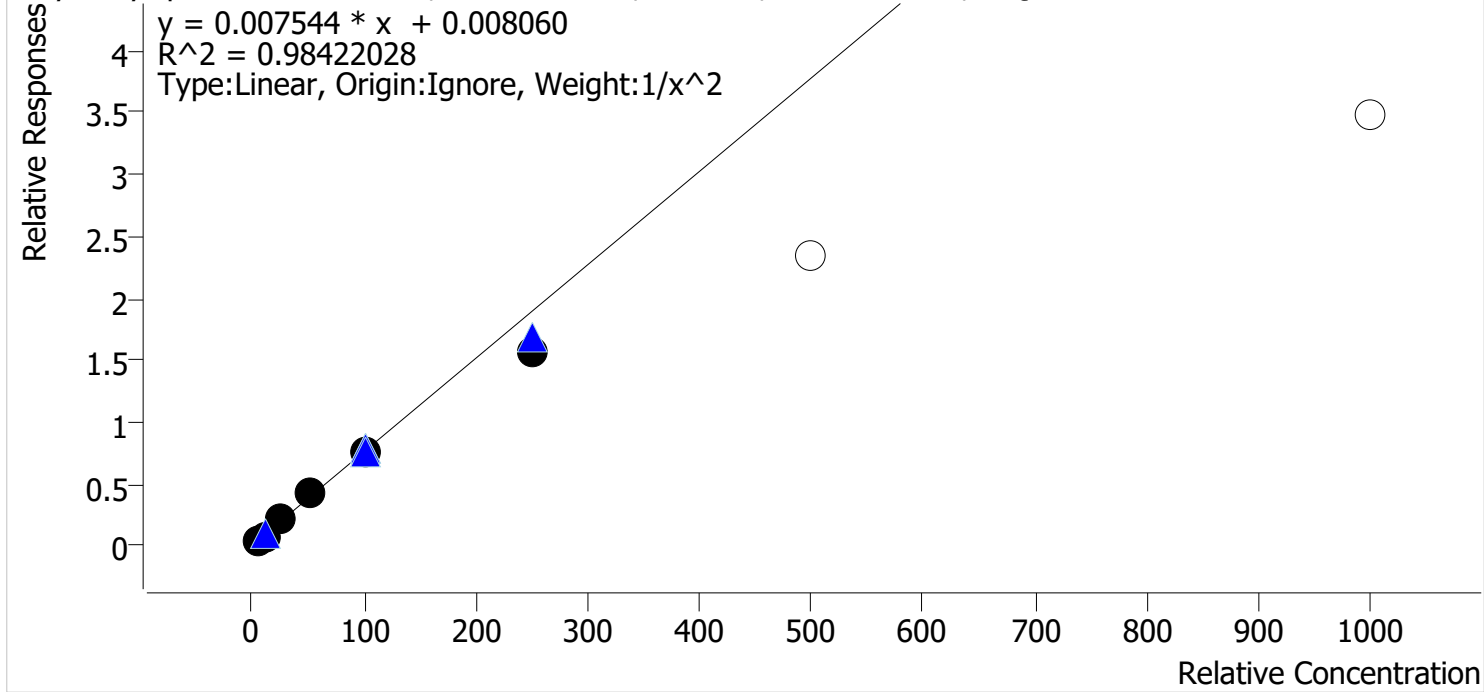
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	27.8	111.0
p1 Cal 4-50ng	4	✓	50.0	54.6	109.1
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	205.4	82.1
p1 Cal 7-500ng	7	✗	500.0	311.4	62.3
p1 Cal 8-1000ng	8	✗	1000.0	458.9	45.9

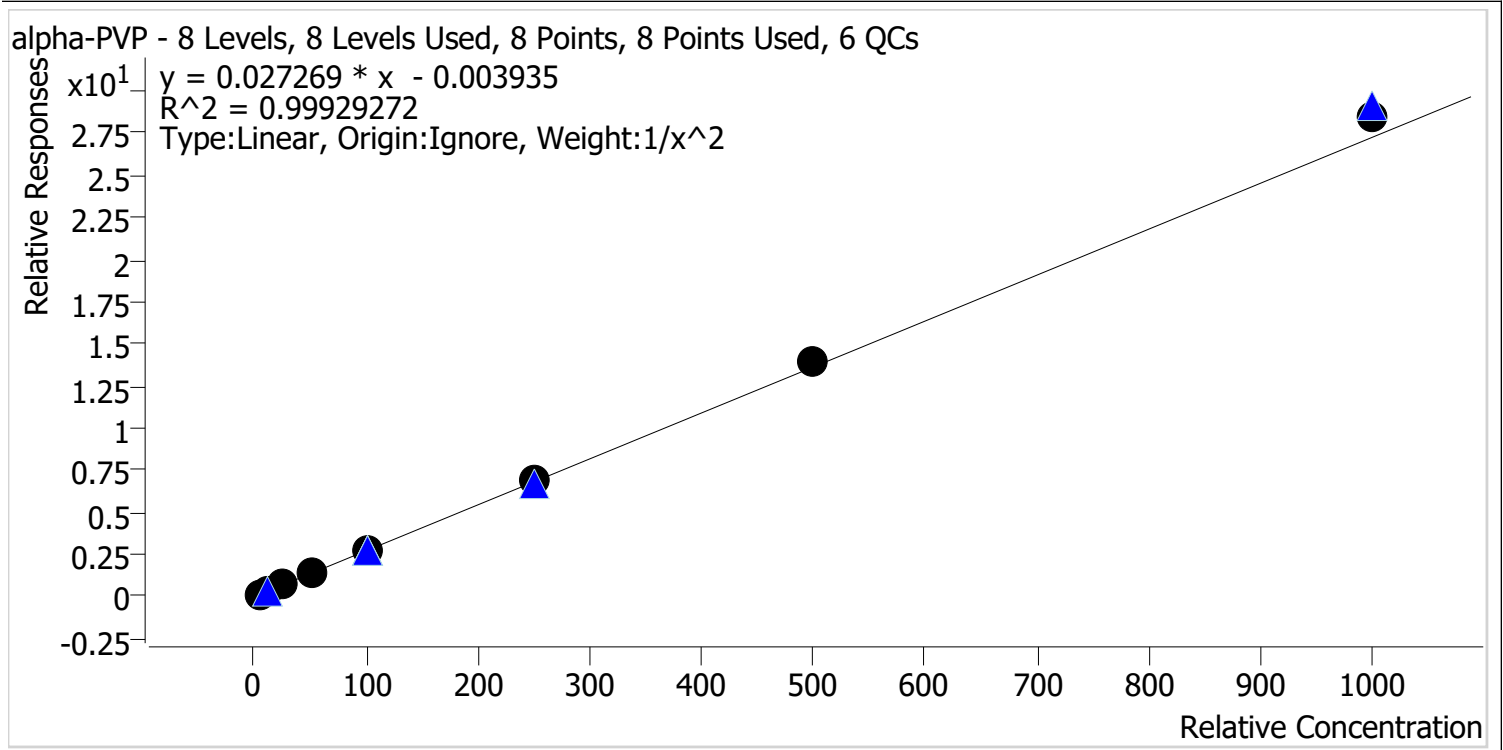
Calibrators 7 and 8 removed due to accuracy.

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8



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	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	509.1	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1041.5	104.2



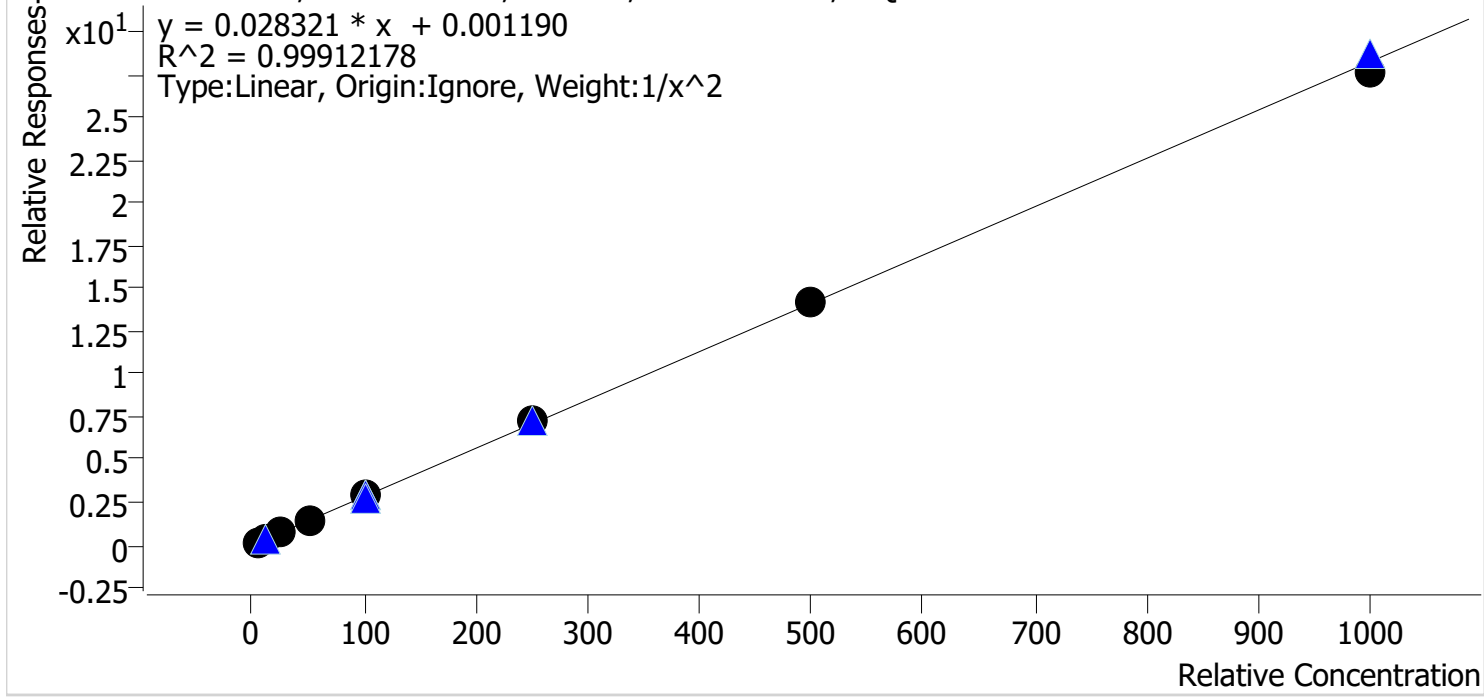
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	260.4	104.1
p1 Cal 7-500ng	7	✓	500.0	503.2	100.6
p1 Cal 8-1000ng	8	✓	1000.0	981.3	98.1

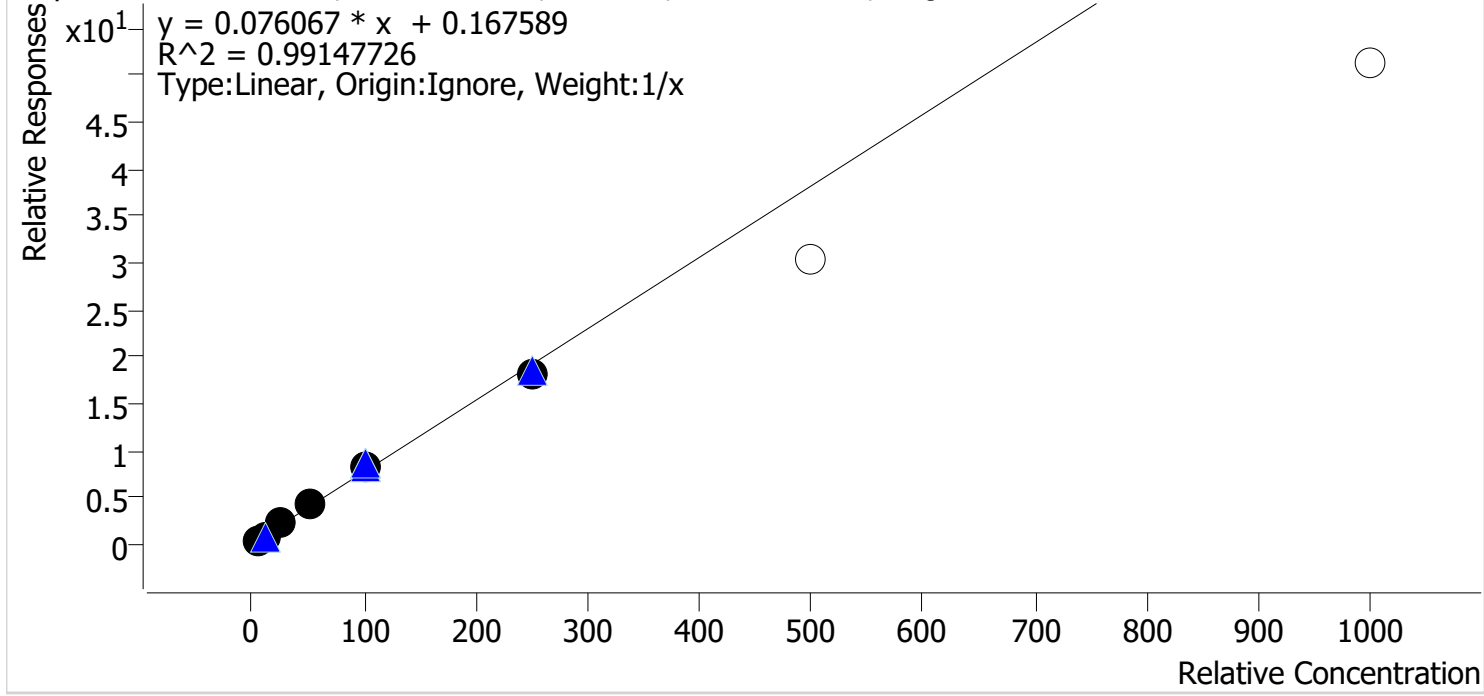
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.8	76.5
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	28.4	113.5
p1 Cal 4-50ng	4	✓	50.0	55.9	111.7
p1 Cal 5-100ng	5	✓	100.0	107.6	107.6
p1 Cal 6-250ng	6	✓	250.0	234.6	93.9
p1 Cal 7-500ng	7	✗	500.0	397.0	79.4
p1 Cal 8-1000ng	8	✗	1000.0	674.5	67.4

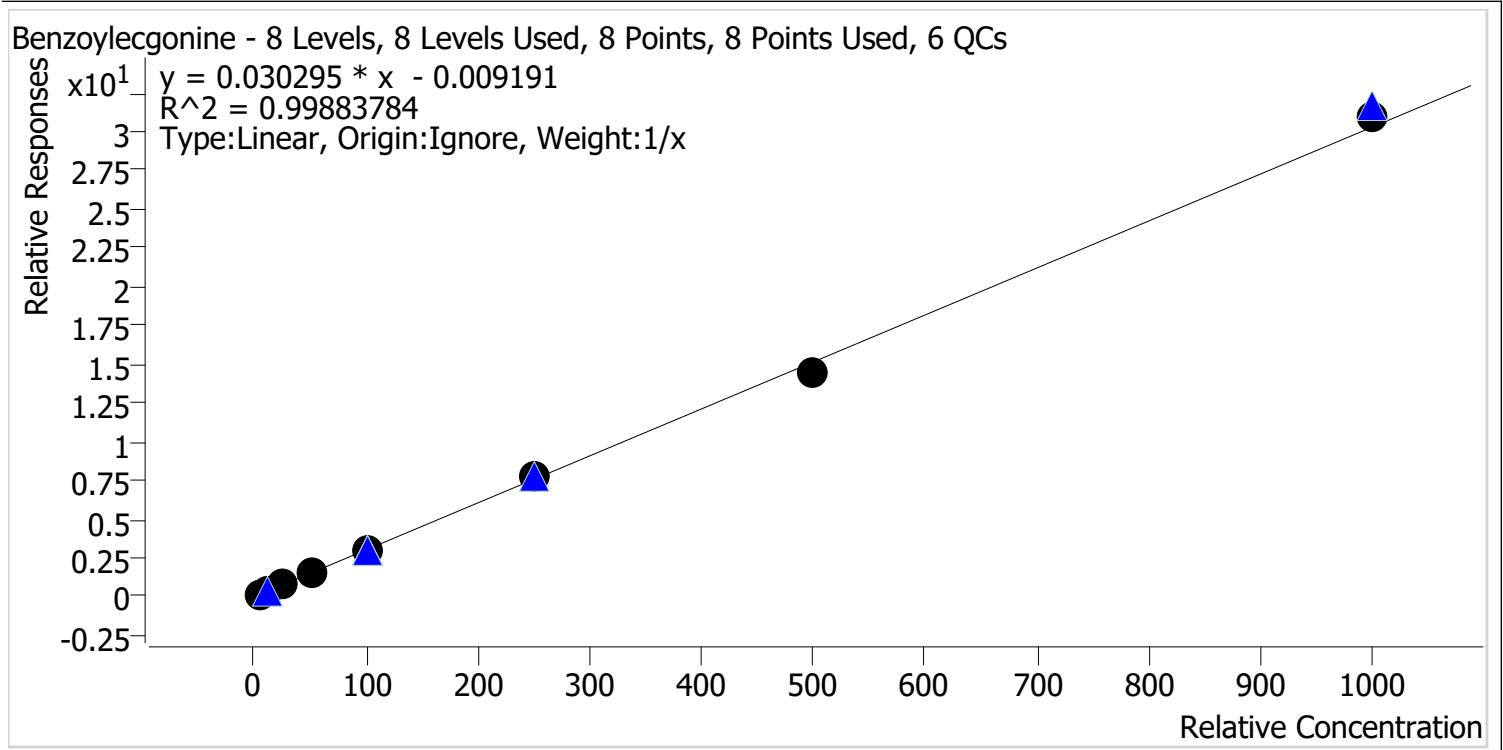
Calibrators 7 and 8 removed due to accuracy.

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoyllecgonine **Internal Standard** Benzoyllecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	475.9	95.2
p1 Cal 8-1000ng	8	✓	1000.0	1025.5	102.5

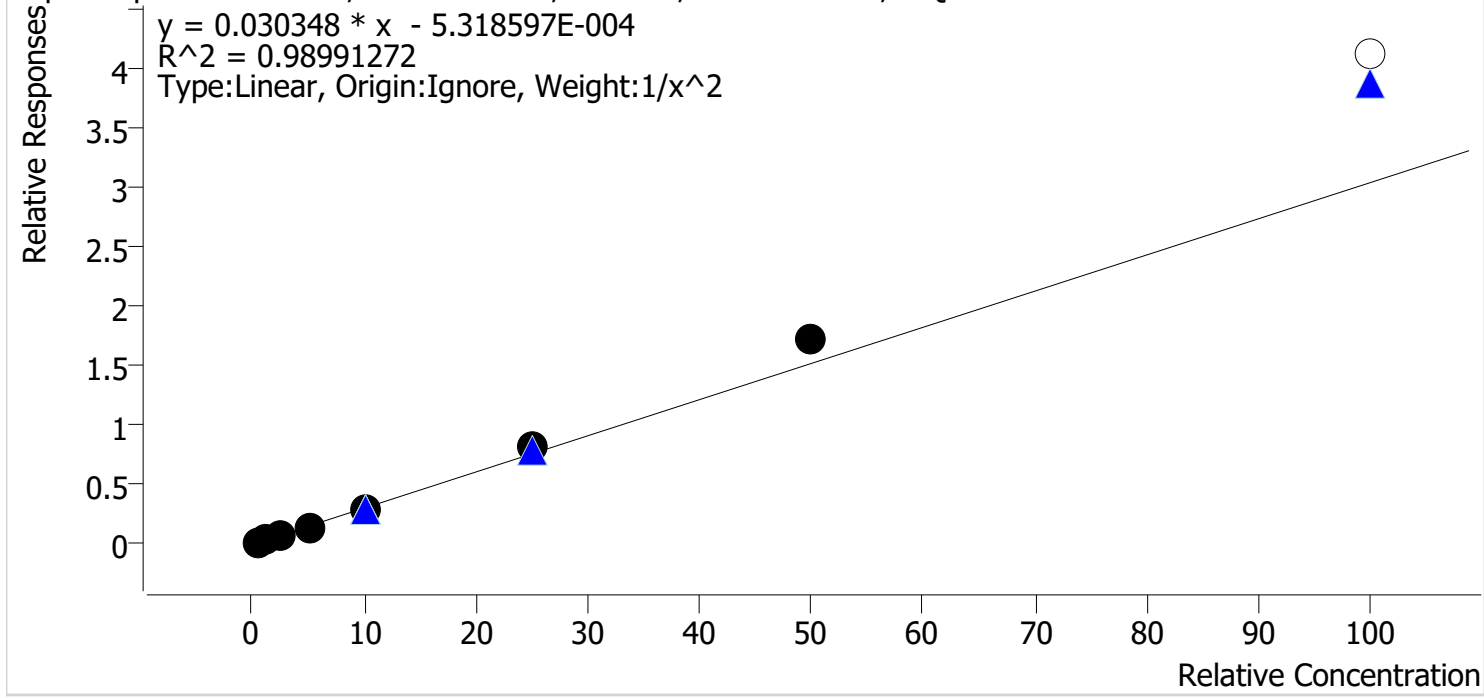
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	105.6
p1 Cal 2-10ng	2	✓	1.0	0.9	93.8
p1 Cal 3 -25ng	3	✓	2.5	2.2	89.4
p1 Cal 4-50ng	4	✓	5.0	4.8	95.5
p1 Cal 5-100ng	5	✓	10.0	9.6	95.9
p1 Cal 6-250ng	6	✓	25.0	26.6	106.5
p1 Cal 7-500ng	7	✓	50.0	56.6	113.2
p1 Cal 8-1000ng	8	x	100.0	135.5	135.5

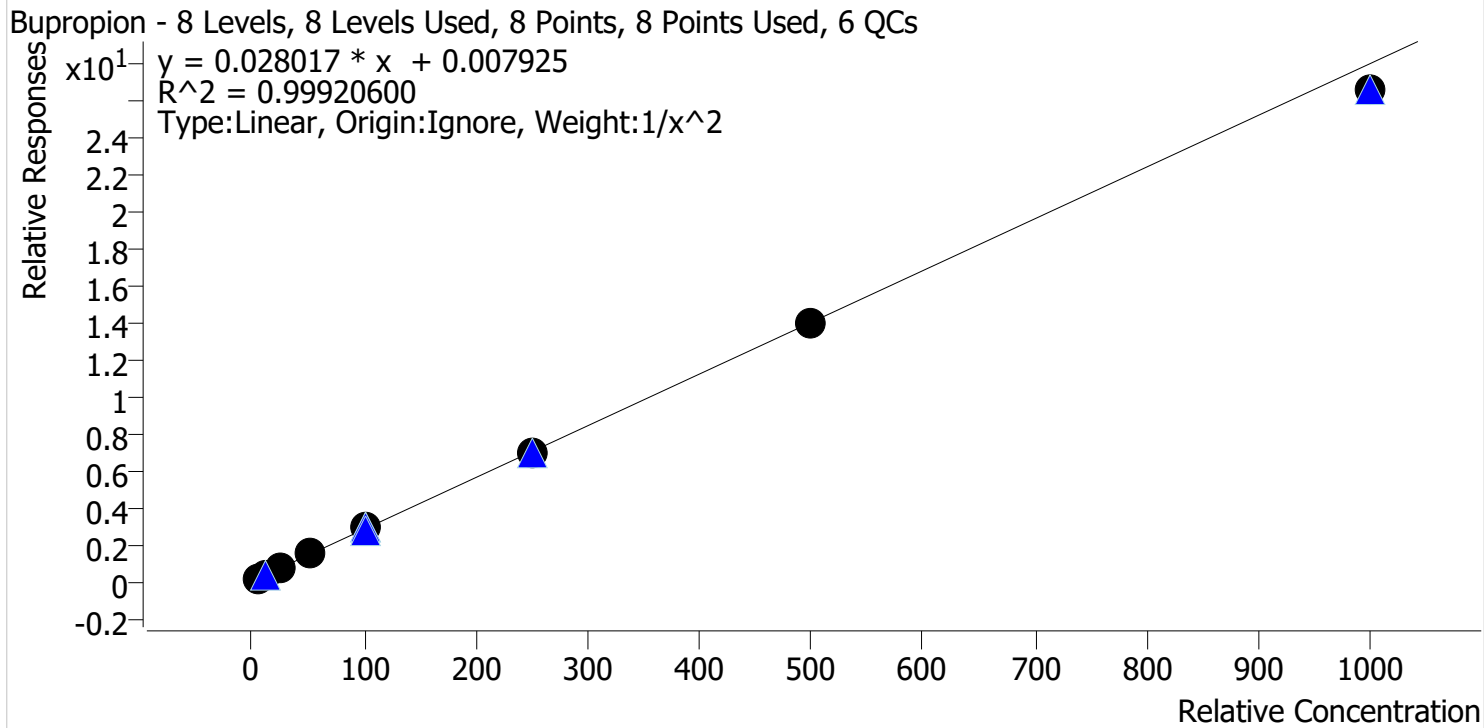
Calibrator 8 removed due to accuracy.

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



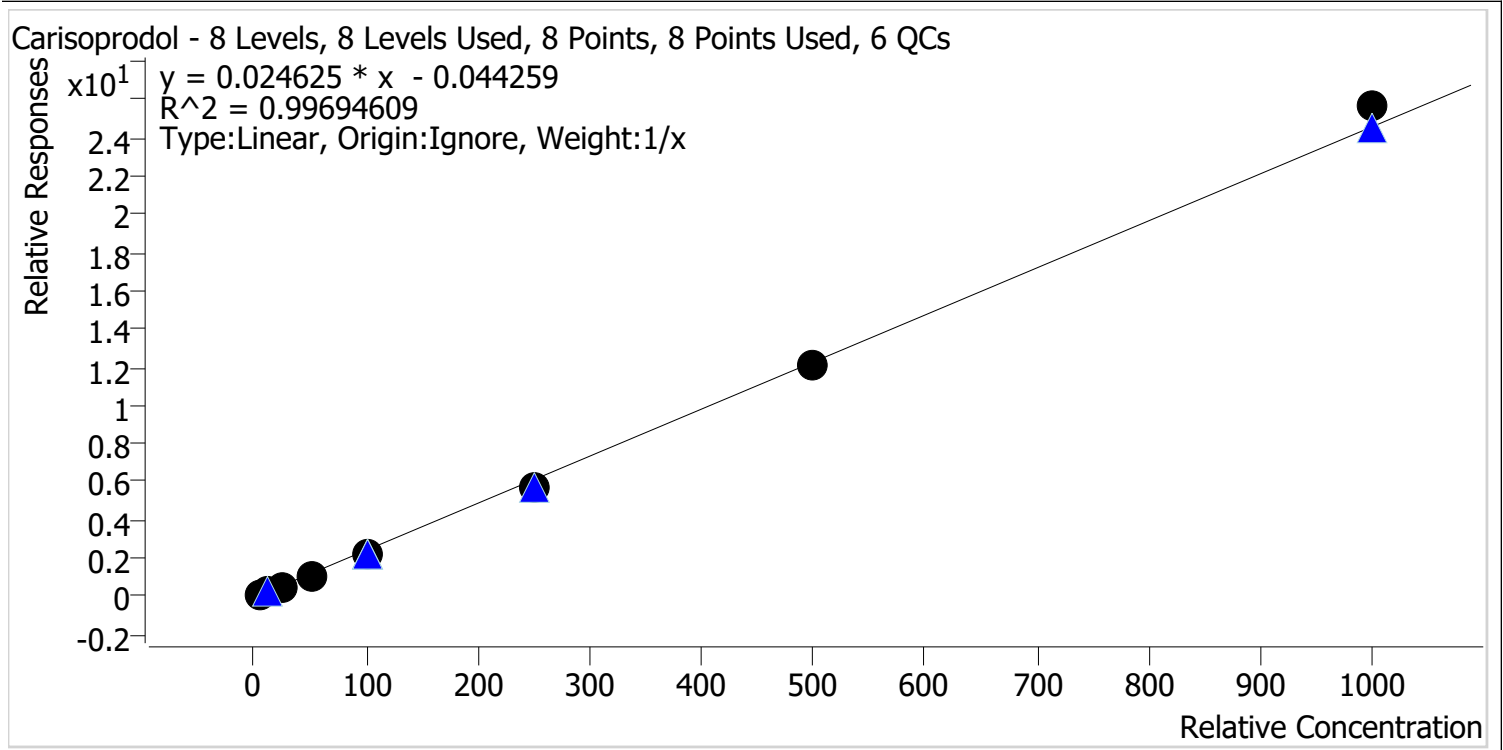
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.0
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	501.3	100.3
p1 Cal 8-1000ng	8	✓	1000.0	948.4	94.8

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



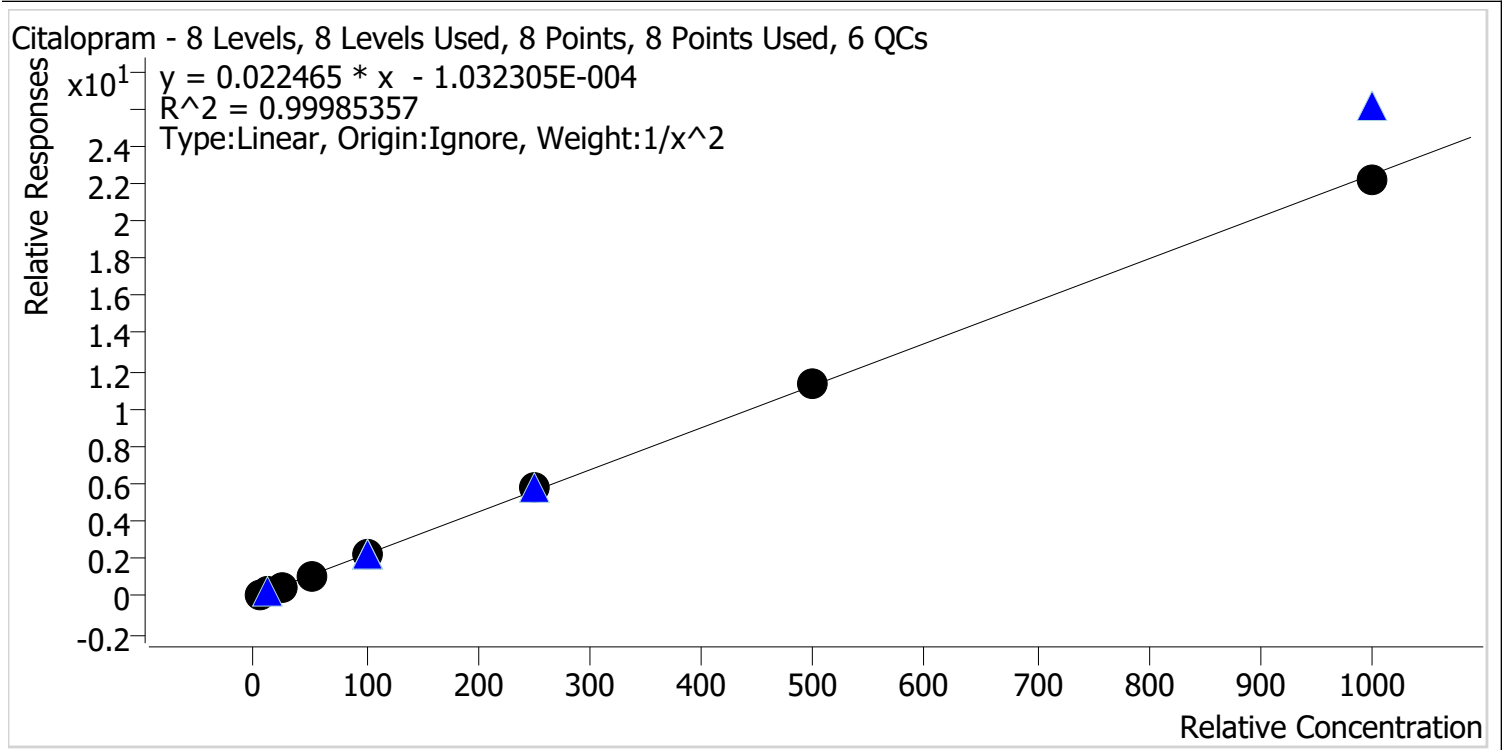
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.2	124.7
p1 Cal 2-10ng	2	✓	10.0	10.6	105.8
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	45.7	91.5
p1 Cal 5-100ng	5	✓	100.0	89.7	89.7
p1 Cal 6-250ng	6	✓	250.0	230.9	92.3
p1 Cal 7-500ng	7	✓	500.0	489.9	98.0
p1 Cal 8-1000ng	8	✓	1000.0	1043.6	104.4

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	989.5	98.9

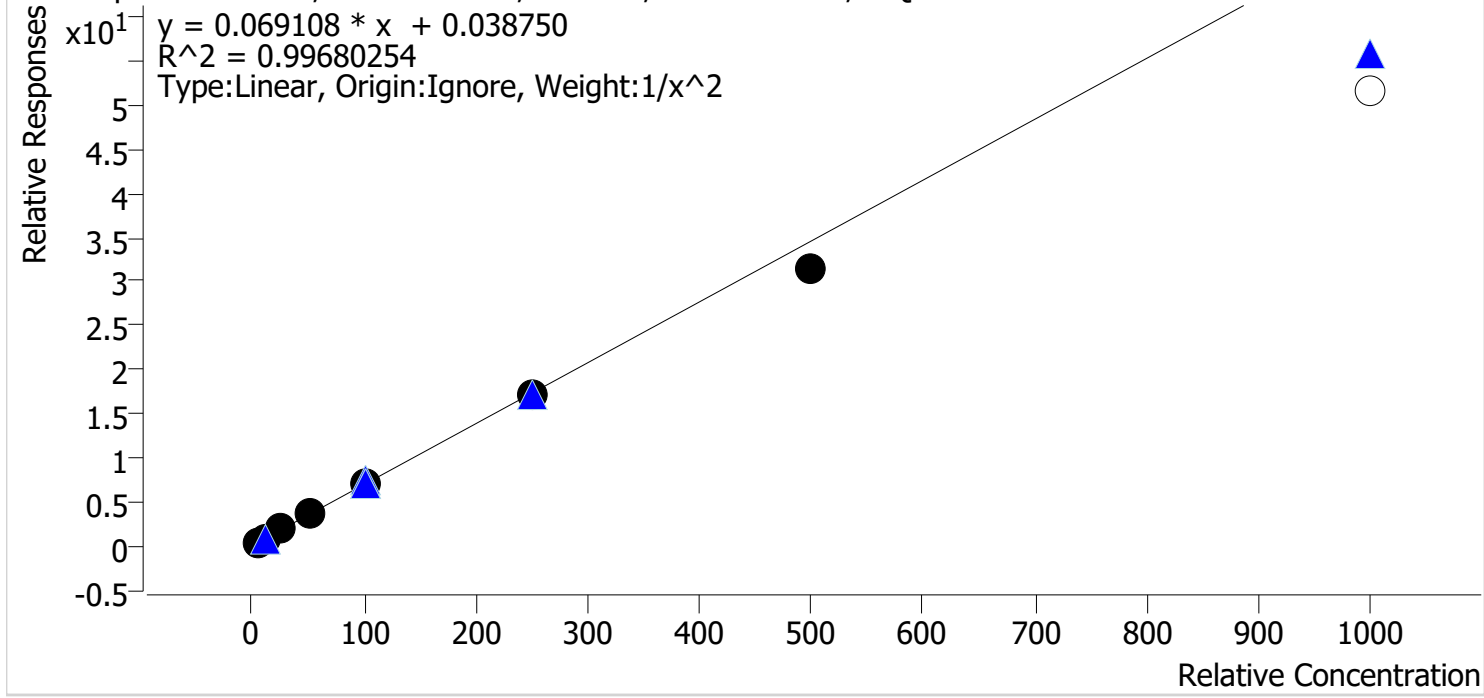
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	453.7	90.7
p1 Cal 8-1000ng	8	x	1000.0	748.8	74.9

Calibrator 8 removed due to accuracy.



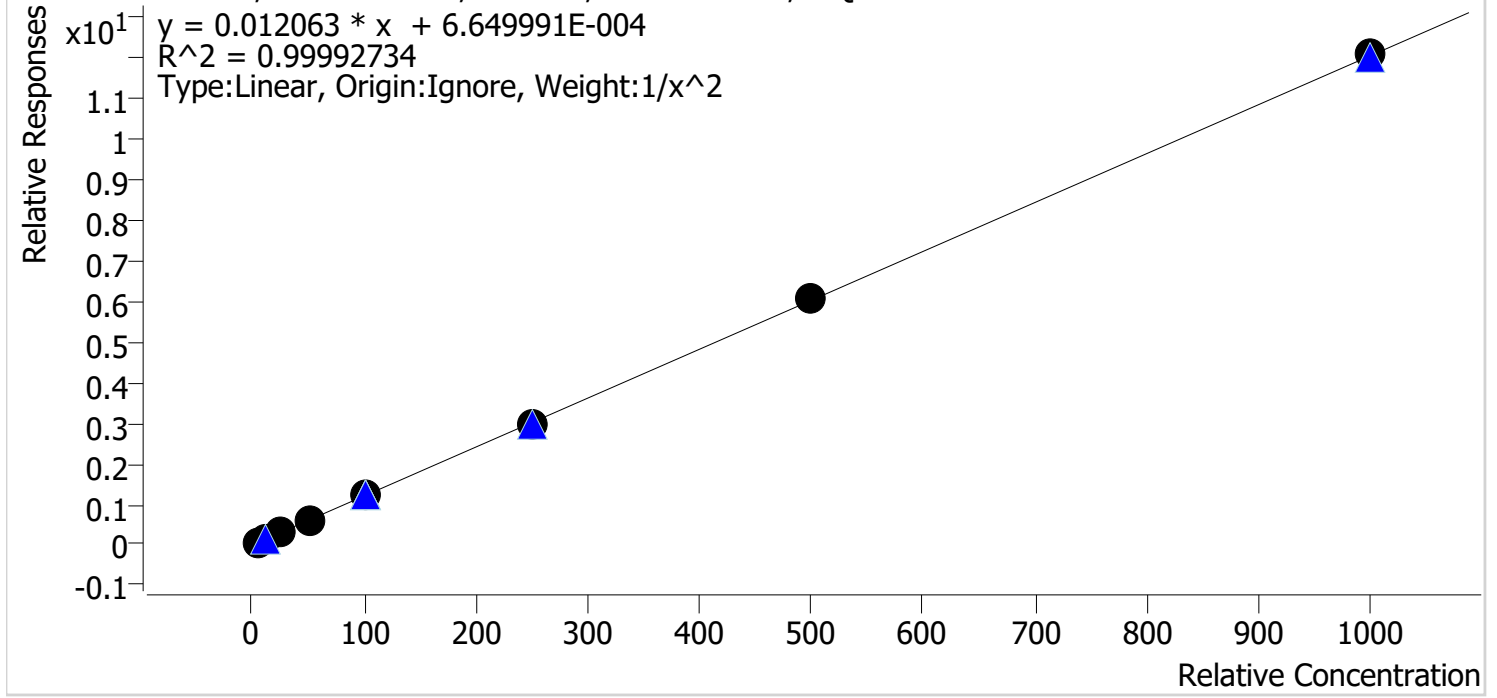
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	49.3	98.7
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	502.9	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1003.2	100.3

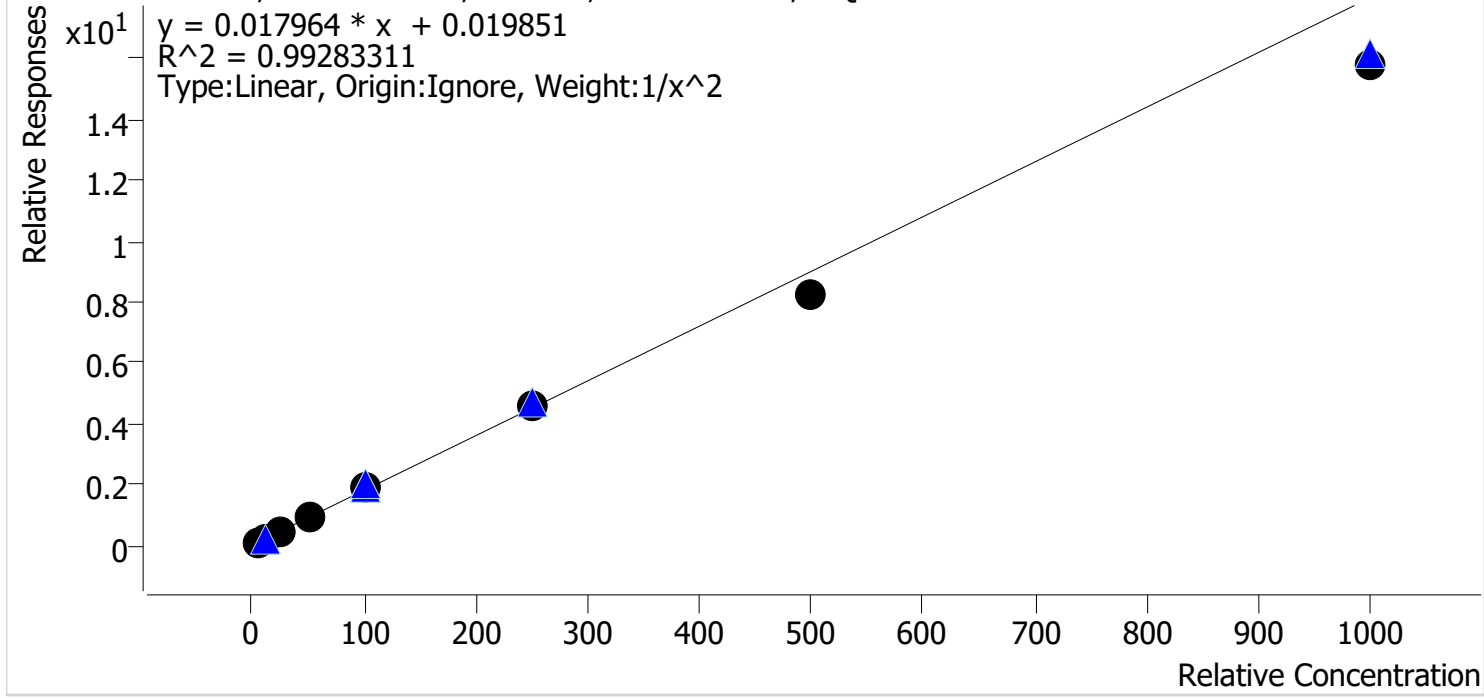
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.5	105.1
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	459.0	91.8
p1 Cal 8-1000ng	8	✓	1000.0	878.8	87.9

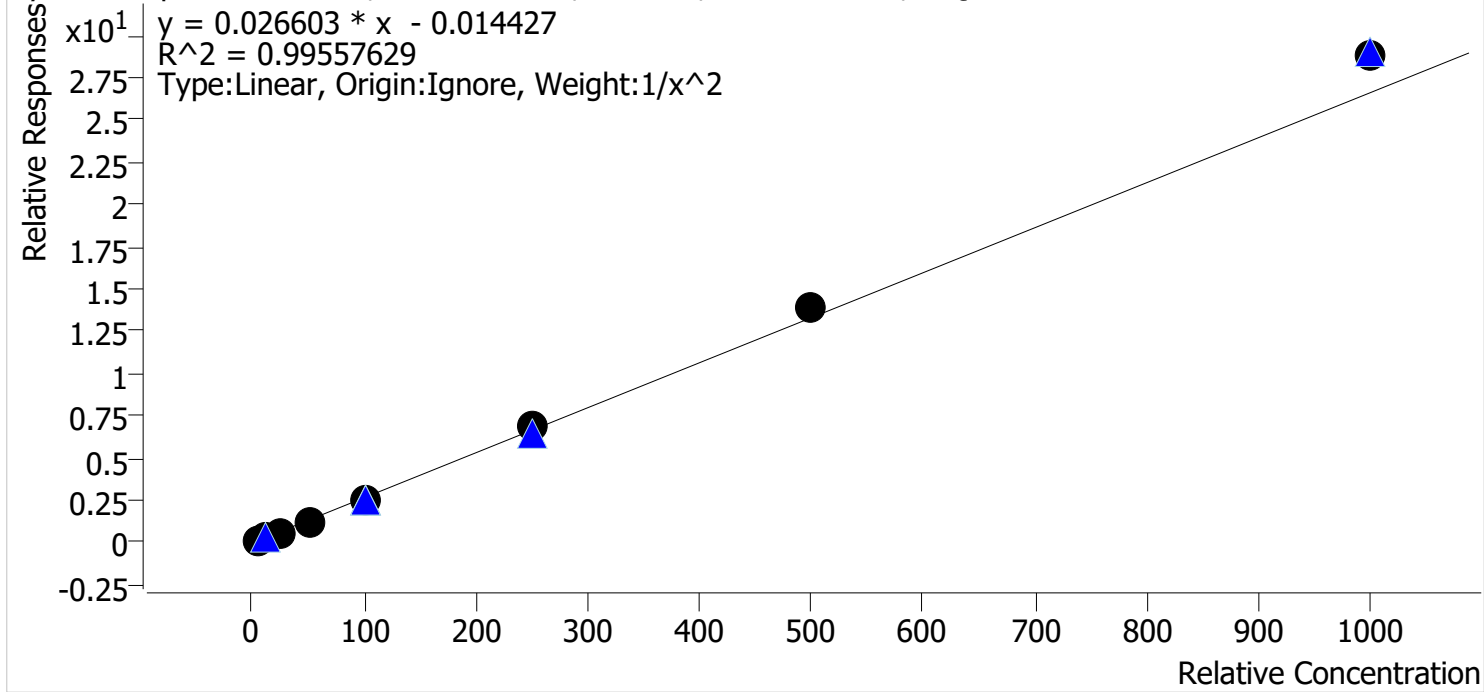
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2-10ng	2	✓	10.0	9.5	95.0
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.4
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	524.5	104.9
p1 Cal 8-1000ng	8	✓	1000.0	1085.2	108.5

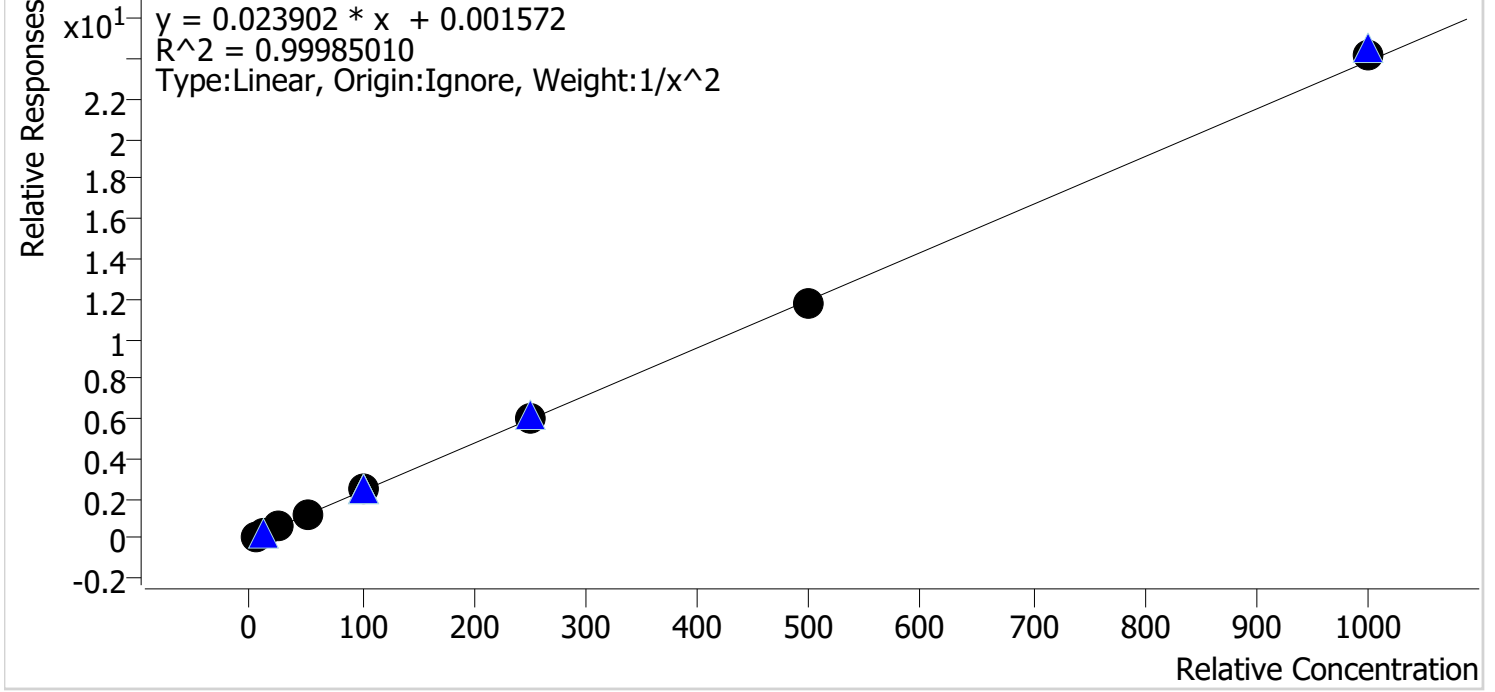
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



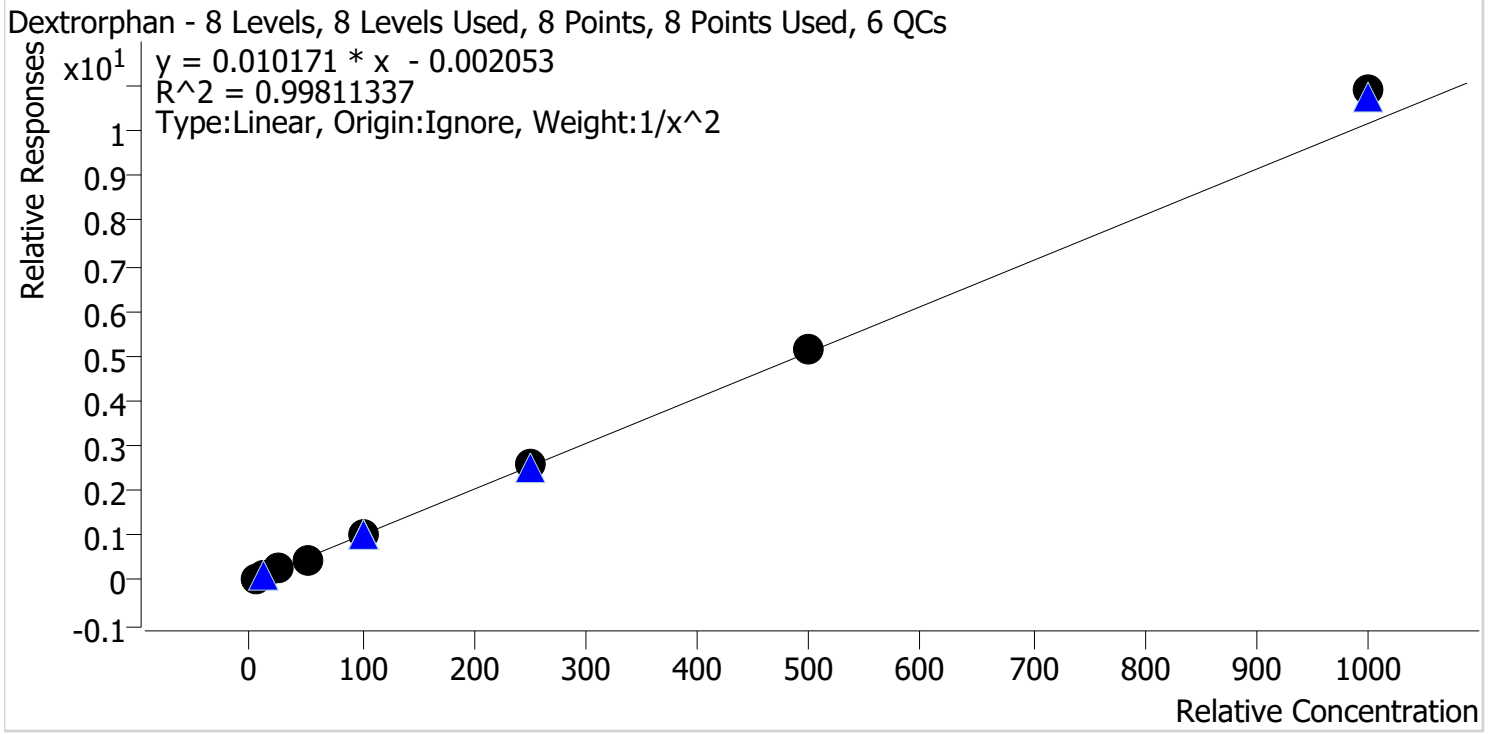
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	495.0	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1013.9	101.4

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3



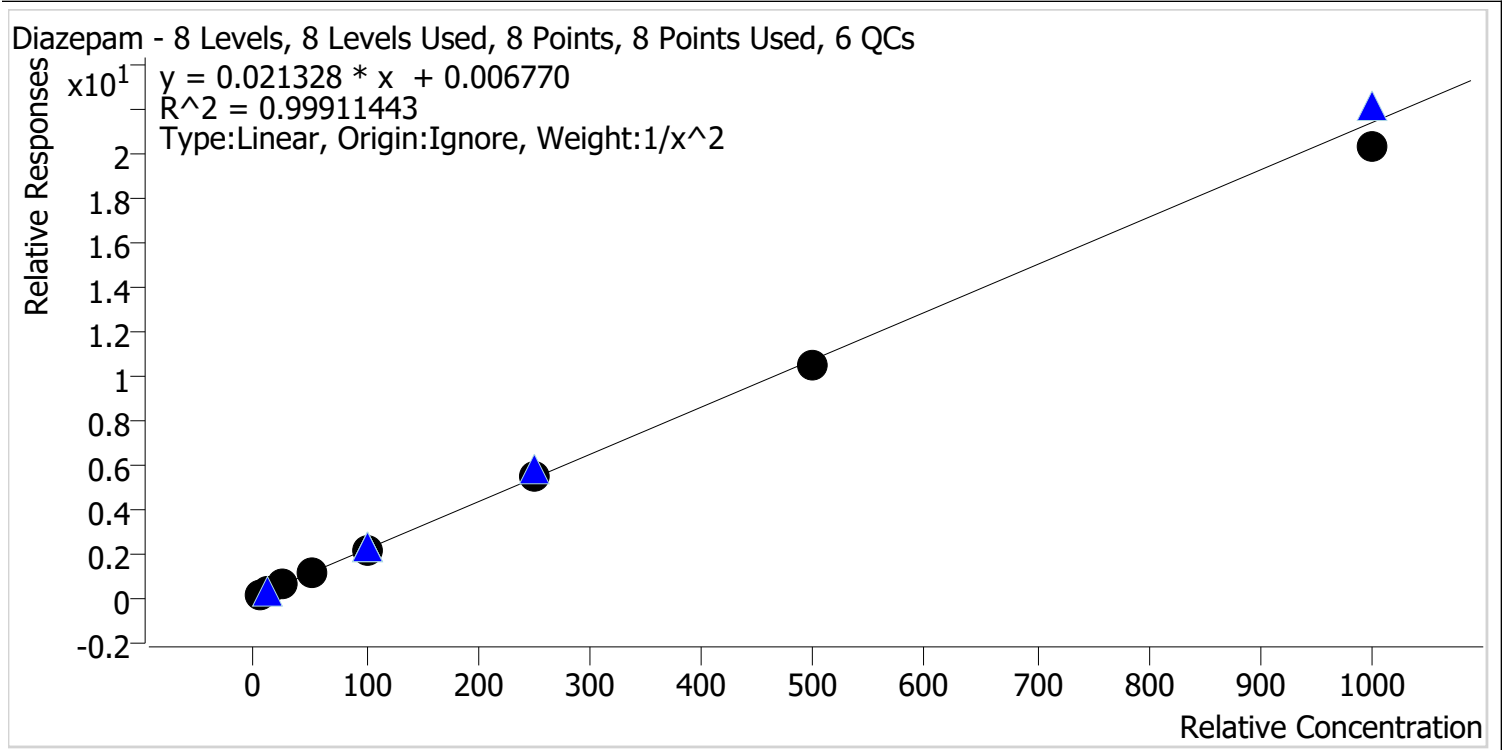
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	47.6	95.3
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	251.6	100.7
p1 Cal 7-500ng	7	✓	500.0	509.0	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1072.6	107.3

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	51.5	102.9
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	492.1	98.4
p1 Cal 8-1000ng	8	✓	1000.0	951.8	95.2

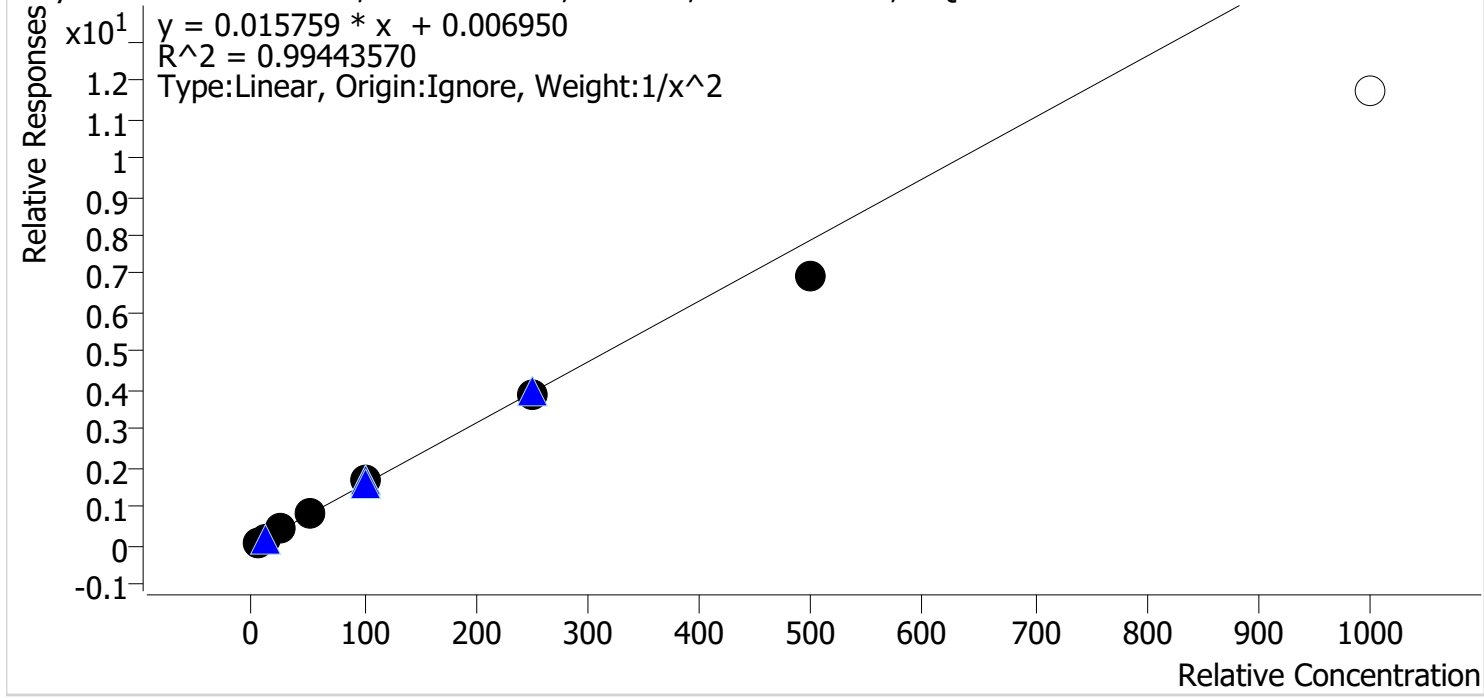
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	245.1	98.0
p1 Cal 7-500ng	7	✓	500.0	441.9	88.4
p1 Cal 8-1000ng	8	x	1000.0	745.7	74.6

Calibrator 8 removed due to accuracy.

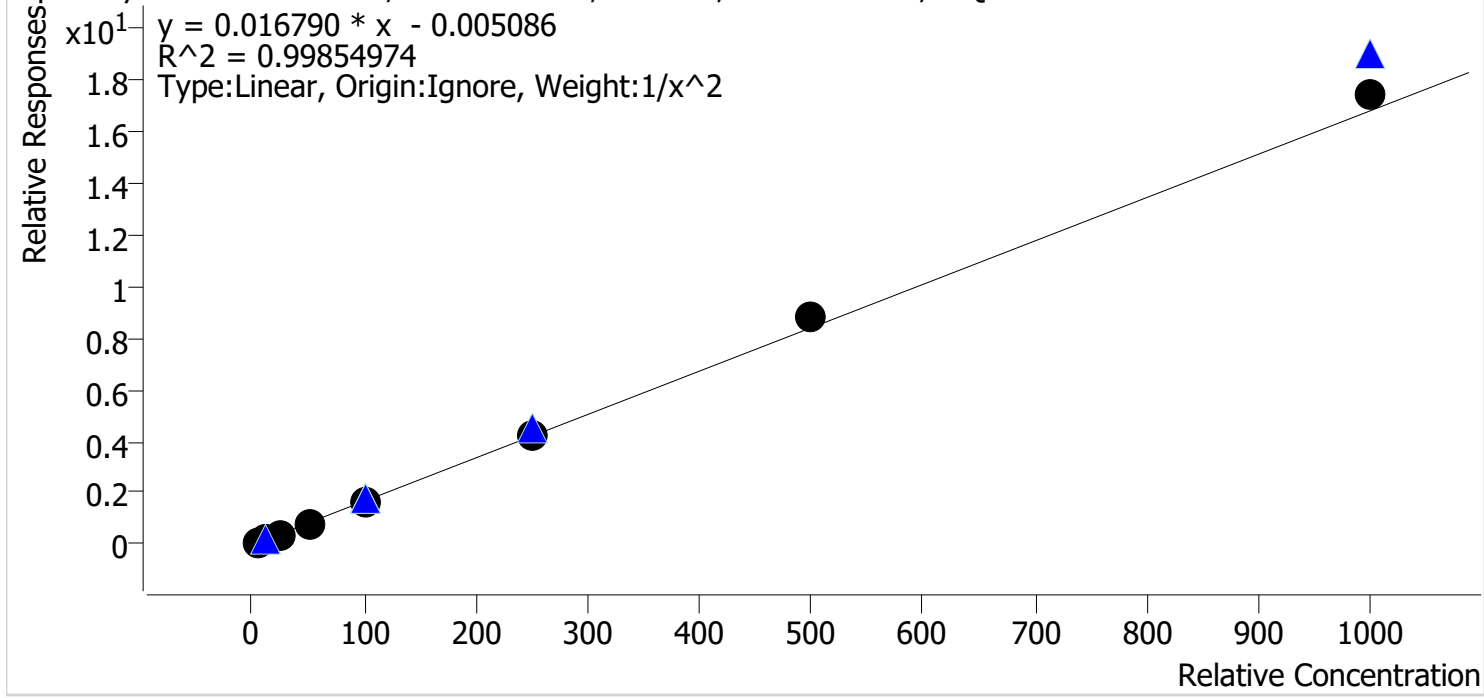
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	48.0	96.1
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	521.8	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1039.4	103.9



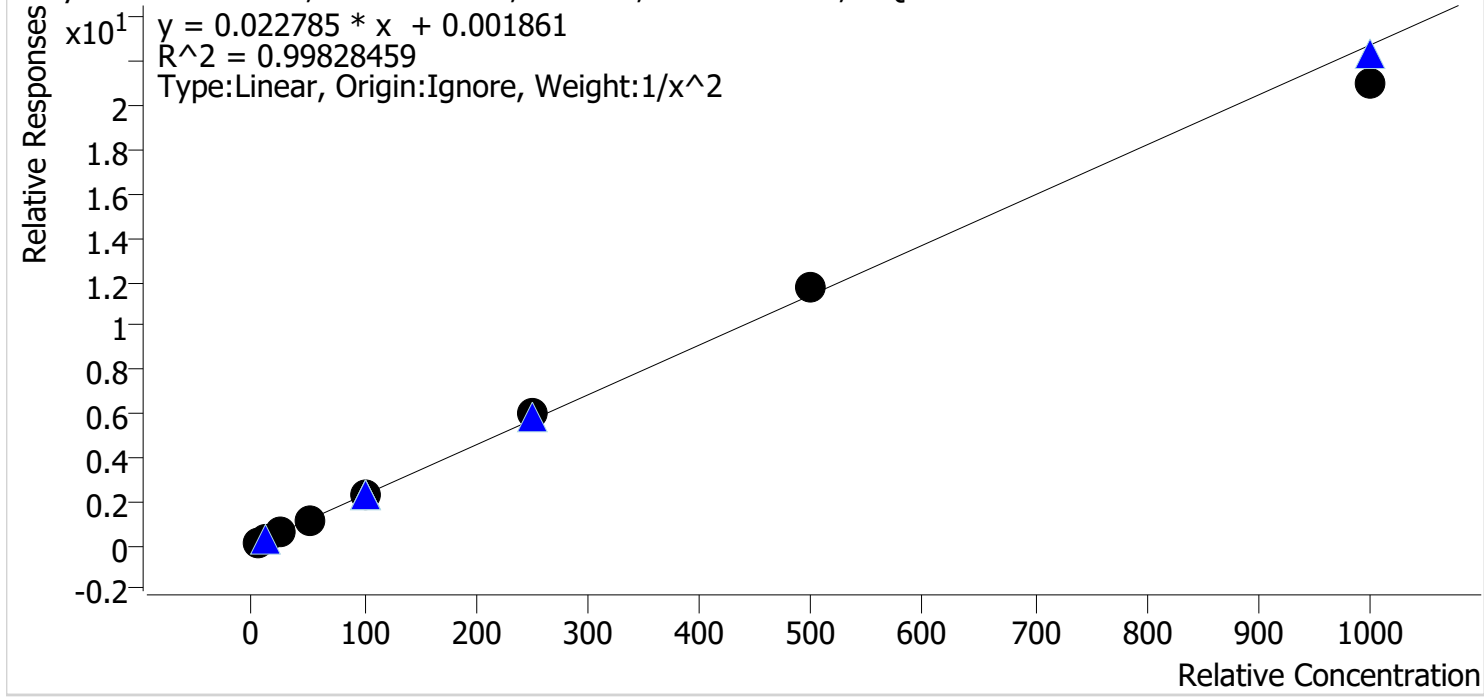
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	259.7	103.9
p1 Cal 7-500ng	7	✓	500.0	518.1	103.6
p1 Cal 8-1000ng	8	✓	1000.0	925.0	92.5

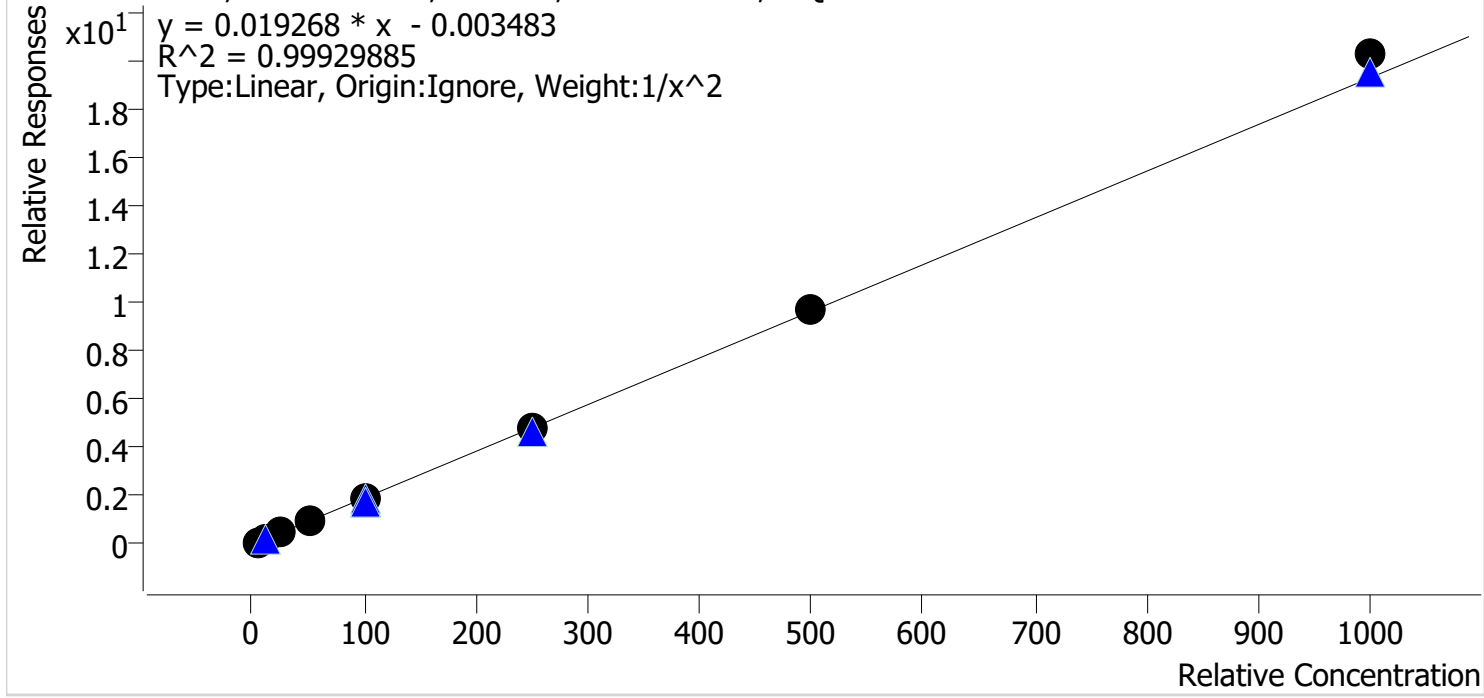
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



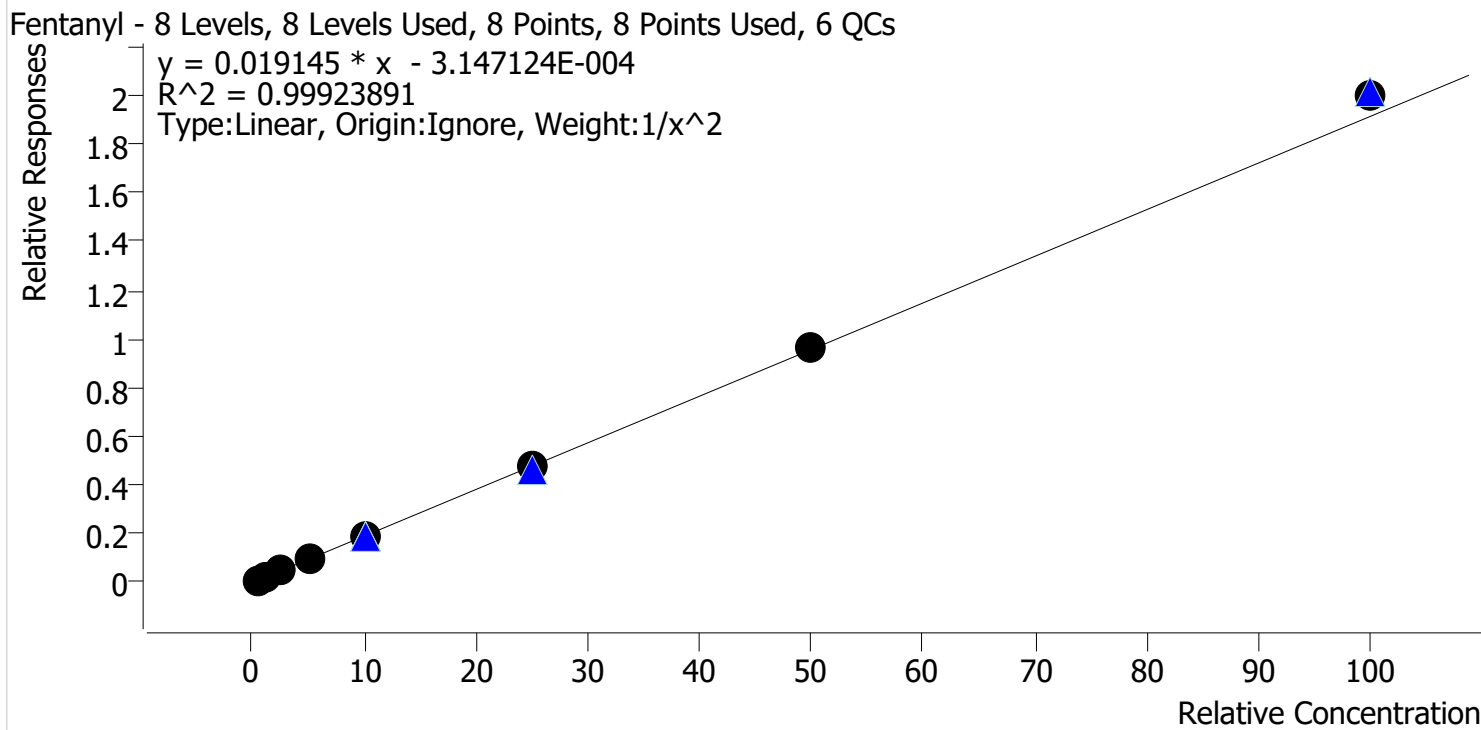
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	49.5	98.9
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	502.2	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1050.5	105.1

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5



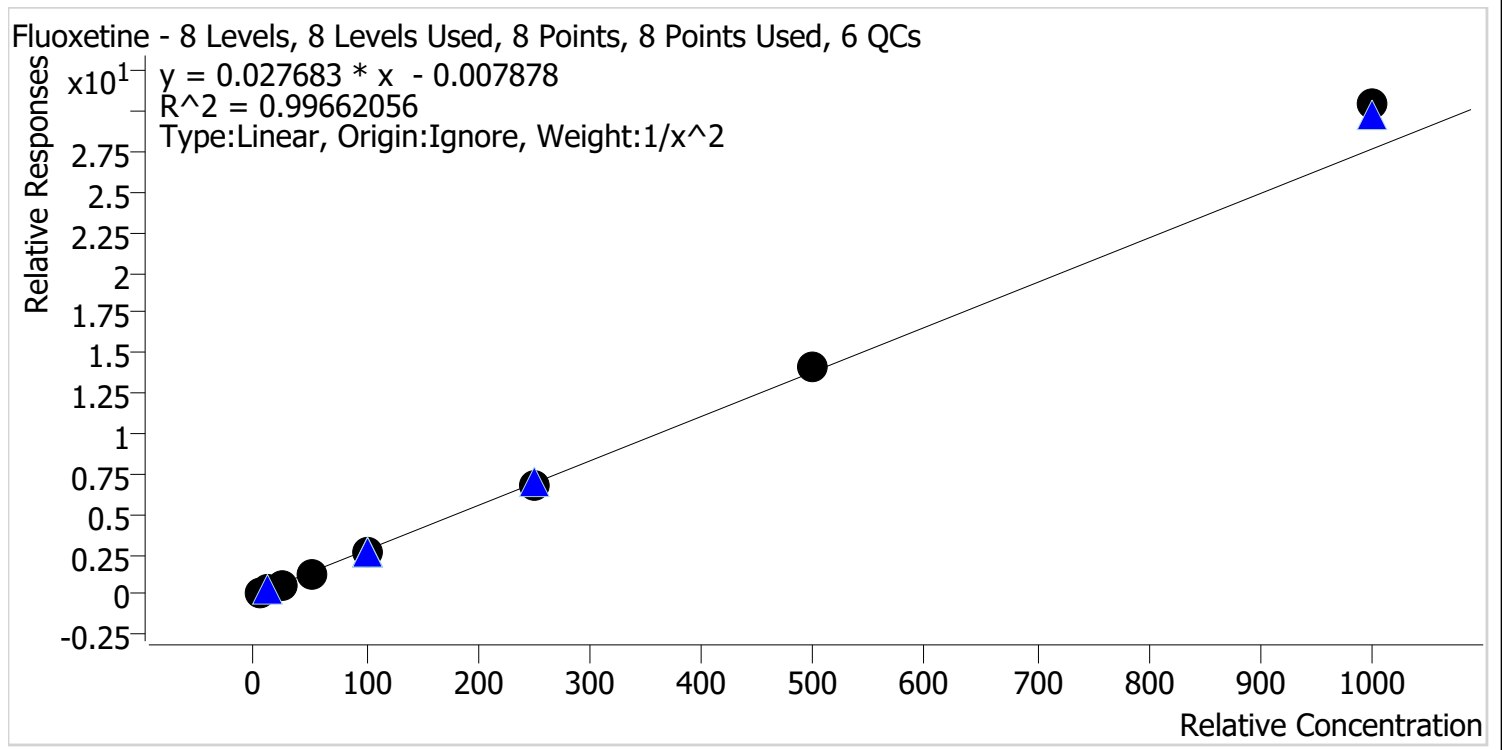
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.8
p1 Cal 2-10ng	2	✓	1.0	1.0	99.7
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.2
p1 Cal 4-50ng	4	✓	5.0	4.9	97.3
p1 Cal 5-100ng	5	✓	10.0	9.8	97.9
p1 Cal 6-250ng	6	✓	25.0	25.0	99.9
p1 Cal 7-500ng	7	✓	50.0	50.7	101.3
p1 Cal 8-1000ng	8	✓	100.0	104.8	104.8



TS

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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



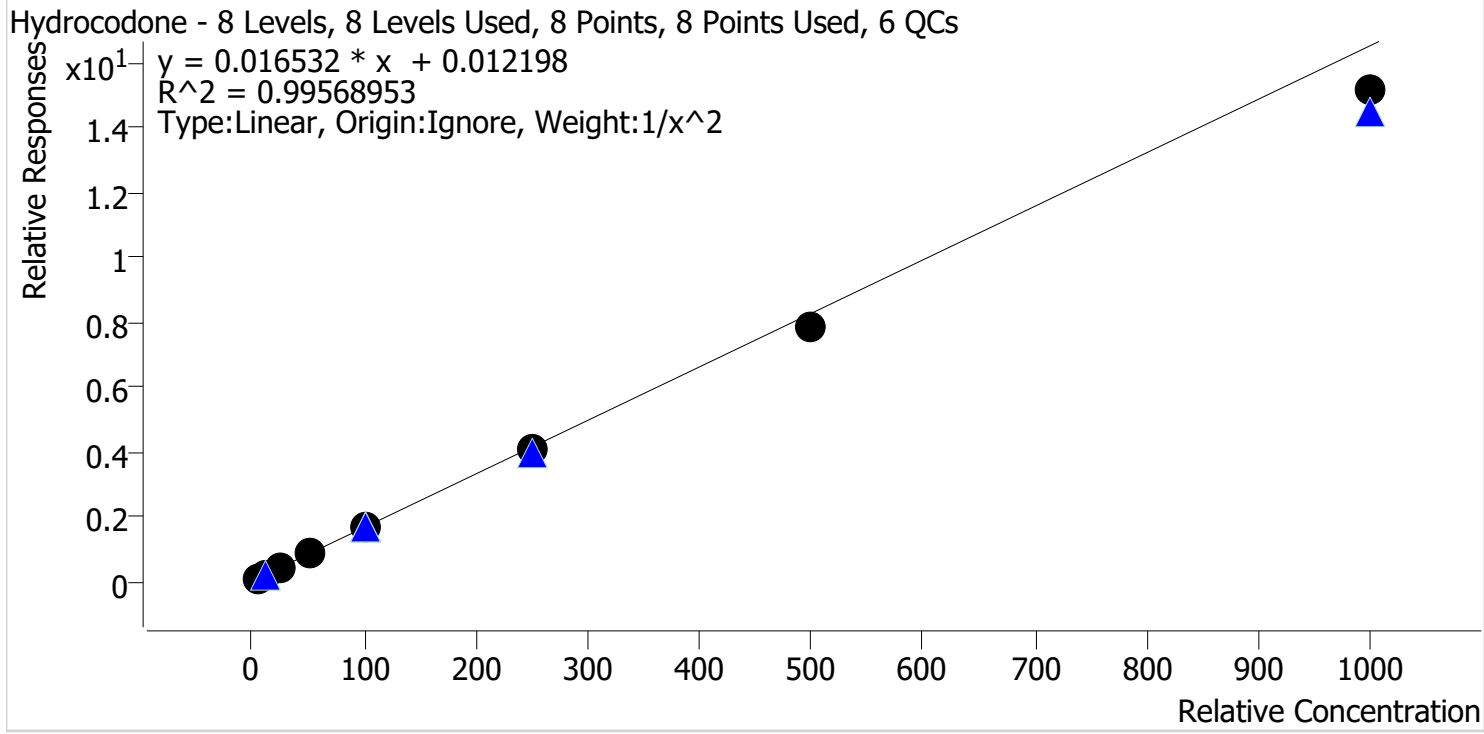
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	47.4	94.8
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	514.3	102.9
p1 Cal 8-1000ng	8	✓	1000.0	1100.3	110.0

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.6
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	473.1	94.6
p1 Cal 8-1000ng	8	✓	1000.0	916.8	91.7

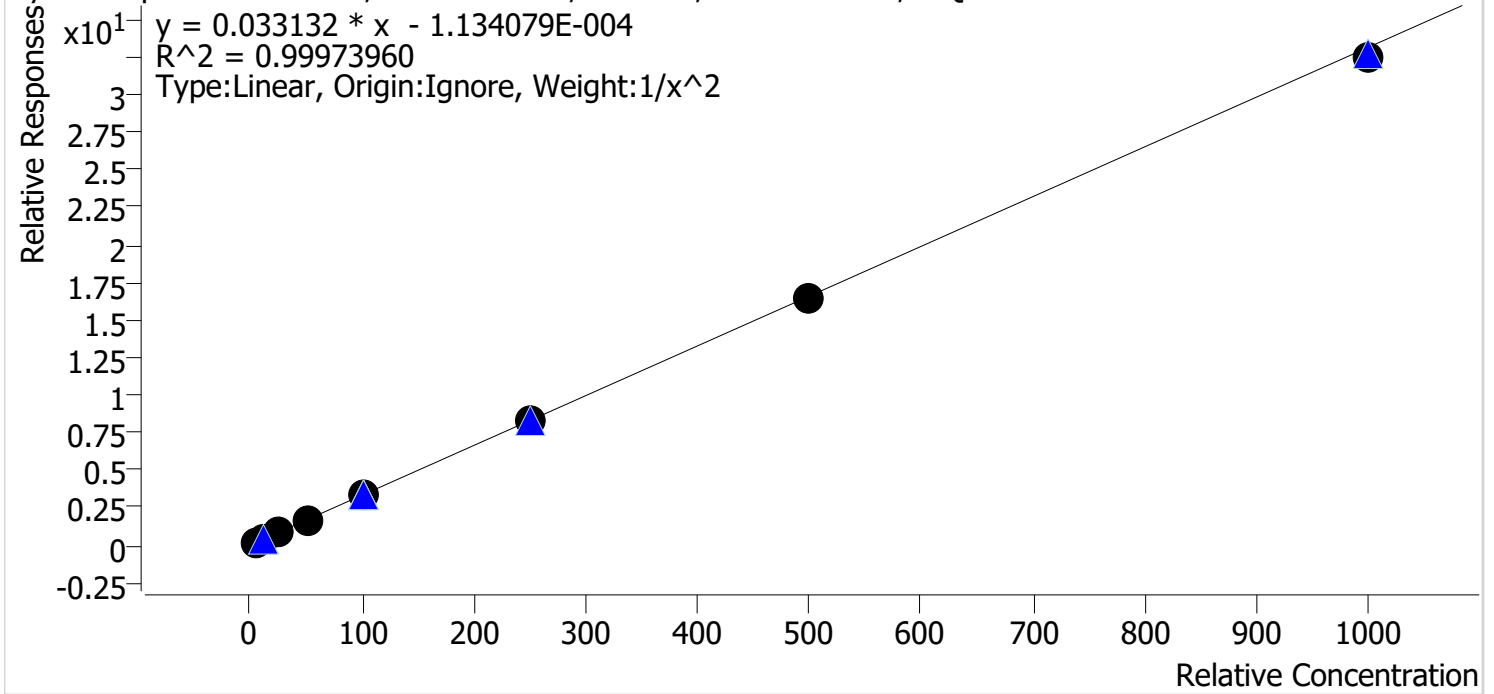
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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



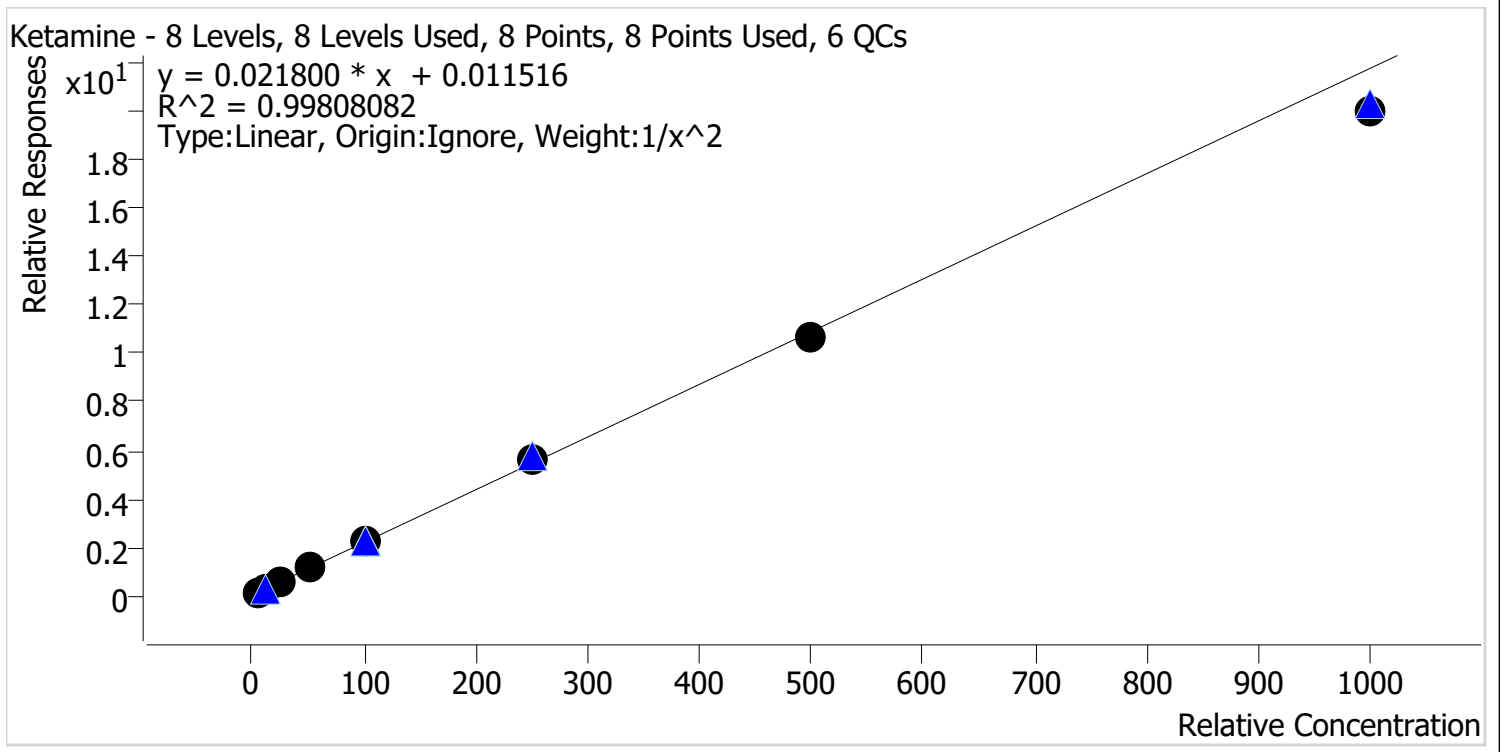
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	50.7	101.3
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	497.5	99.5
p1 Cal 8-1000ng	8	✓	1000.0	981.3	98.1



TS

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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



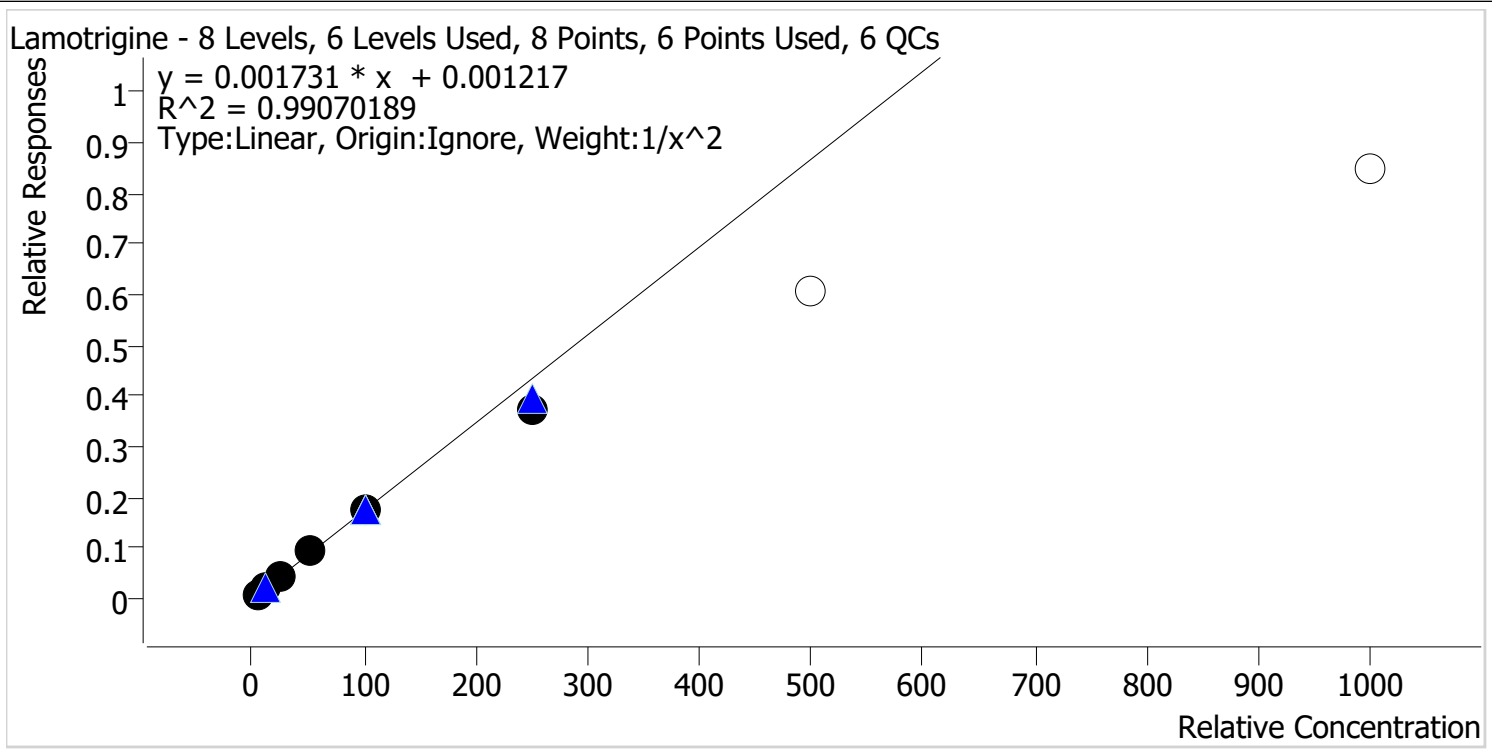
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	490.1	98.0
p1 Cal 8-1000ng	8	✓	1000.0	920.7	92.1

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2-10ng	2	✓	10.0	10.7	107.1
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	215.9	86.4
p1 Cal 7-500ng	7	x	500.0	347.8	69.6
p1 Cal 8-1000ng	8	x	1000.0	488.2	48.8

Calibrators 7 and 8 removed due to accuracy.

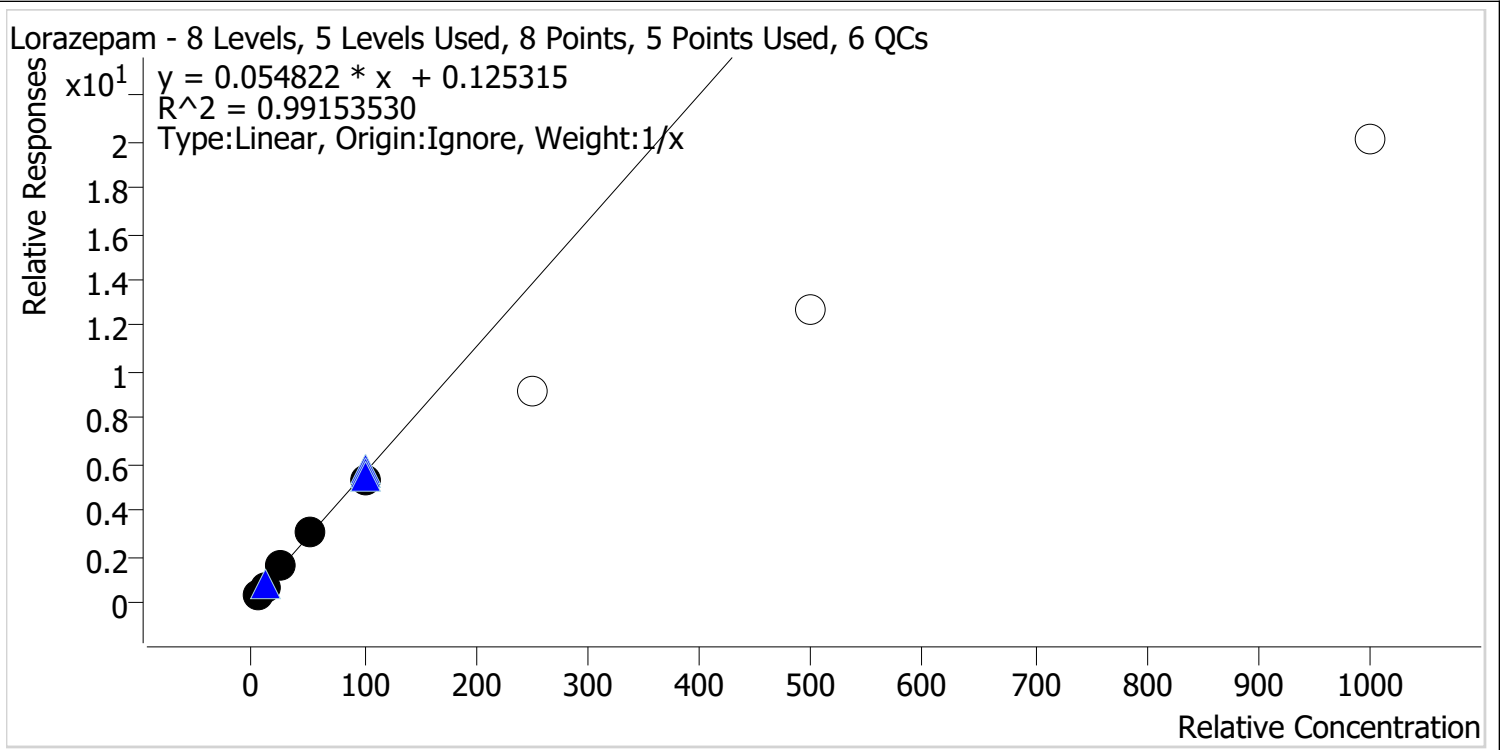


TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.2	85.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	27.5	110.0
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	94.0	94.0
p1 Cal 6-250ng	6	✗	250.0	164.5	65.8
p1 Cal 7-500ng	7	✗	500.0	230.3	46.1
p1 Cal 8-1000ng	8	✗	1000.0	365.4	36.5

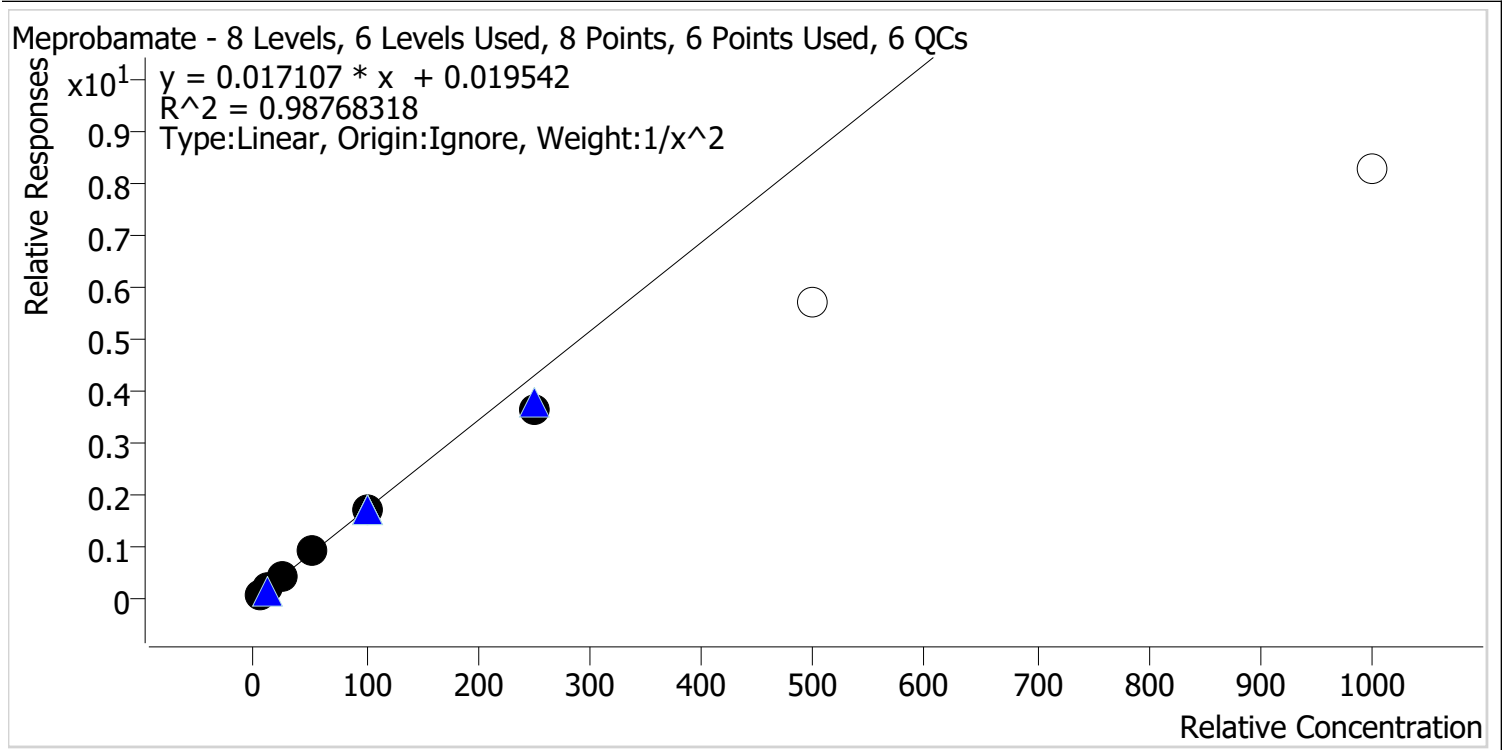
Calibrators 6, 7, and 8 removed due to accuracy.

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.5	105.2
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.4
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	210.2	84.1
p1 Cal 7-500ng	7	x	500.0	332.4	66.5
p1 Cal 8-1000ng	8	x	1000.0	483.7	48.4

Calibrators 7 and 8 removed due to accuracy.

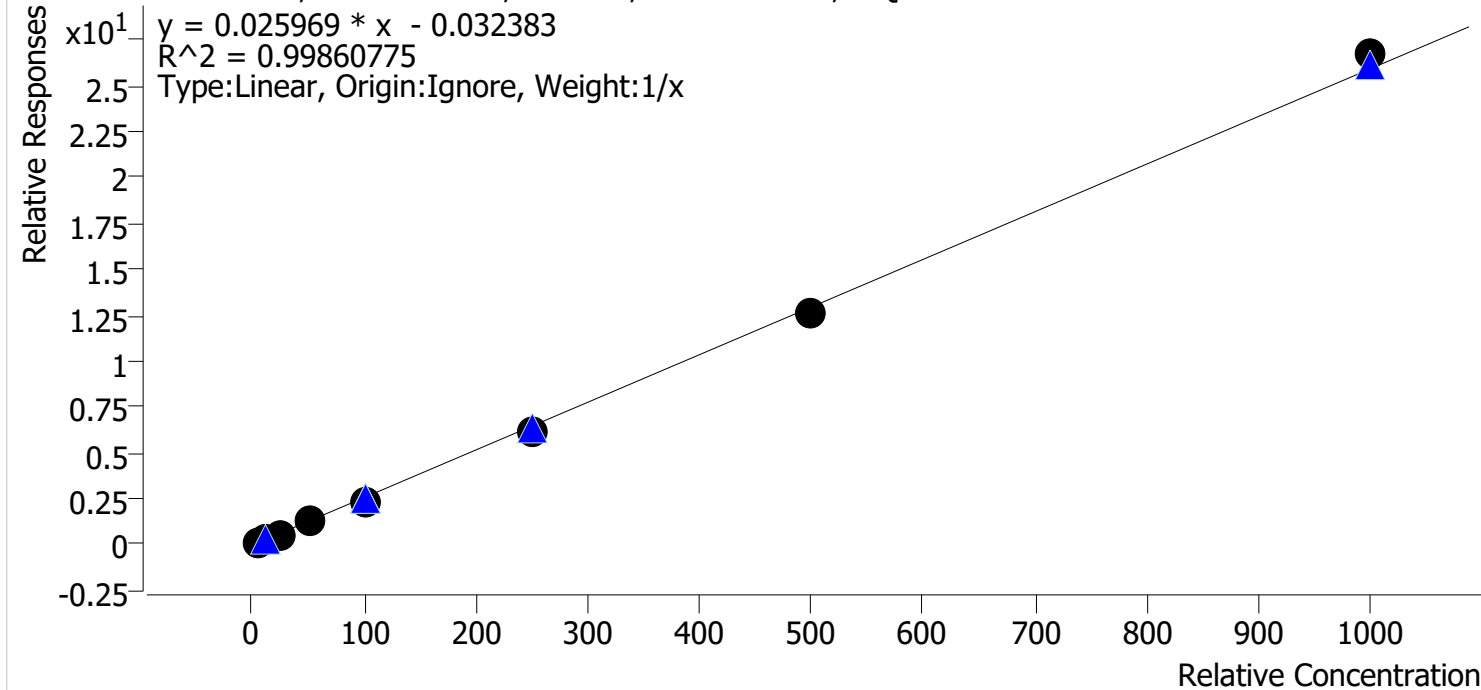
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.9	117.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.2
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	92.4	92.4
p1 Cal 6-250ng	6	✓	250.0	240.0	96.0
p1 Cal 7-500ng	7	✓	500.0	489.0	97.8
p1 Cal 8-1000ng	8	✓	1000.0	1030.7	103.1

TS



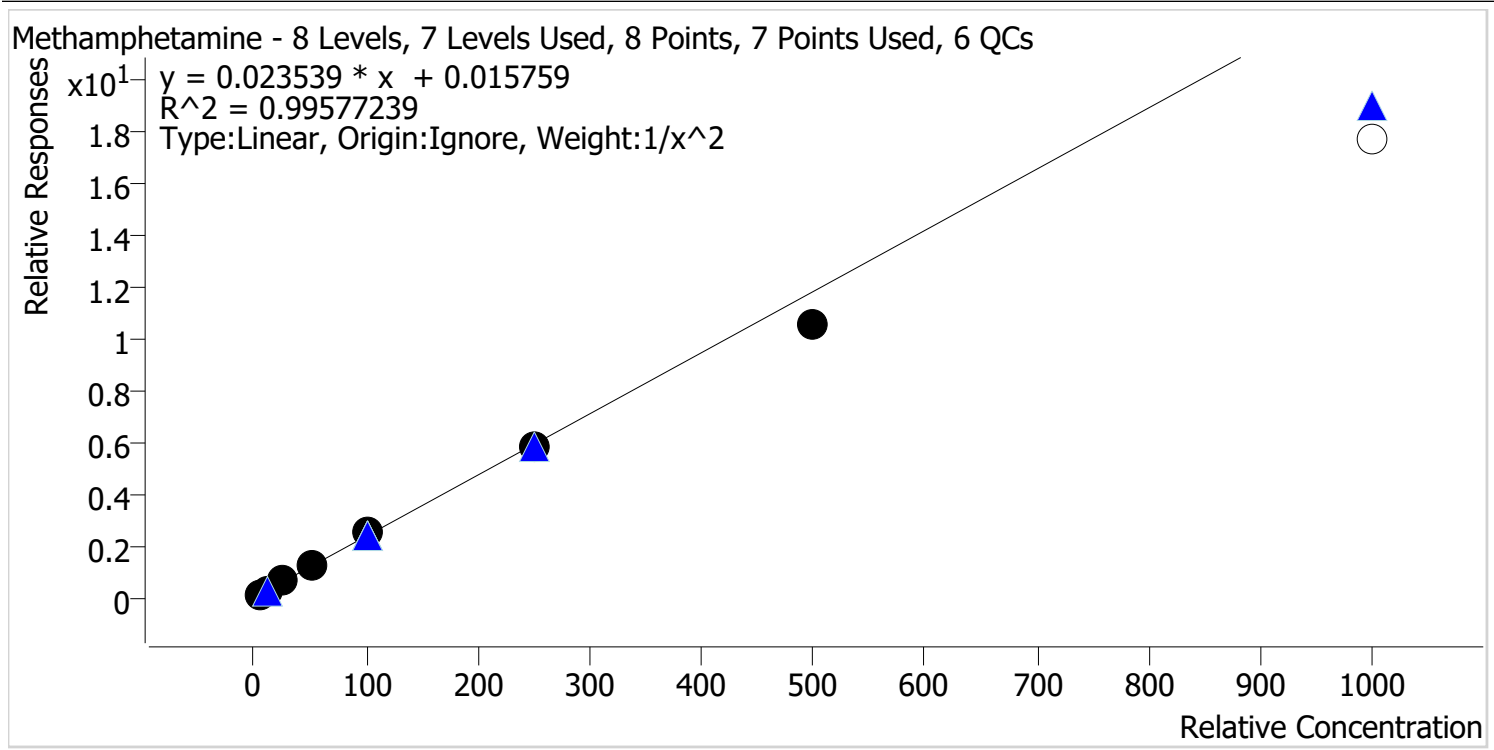
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin

**Last Cal. Update** 6/17/2022 1:53 PM

**Analyst Name** ISP\datastor

**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	248.6	99.5
p1 Cal 7-500ng	7	✓	500.0	444.4	88.9
p1 Cal 8-1000ng	8	x	1000.0	748.4	74.8

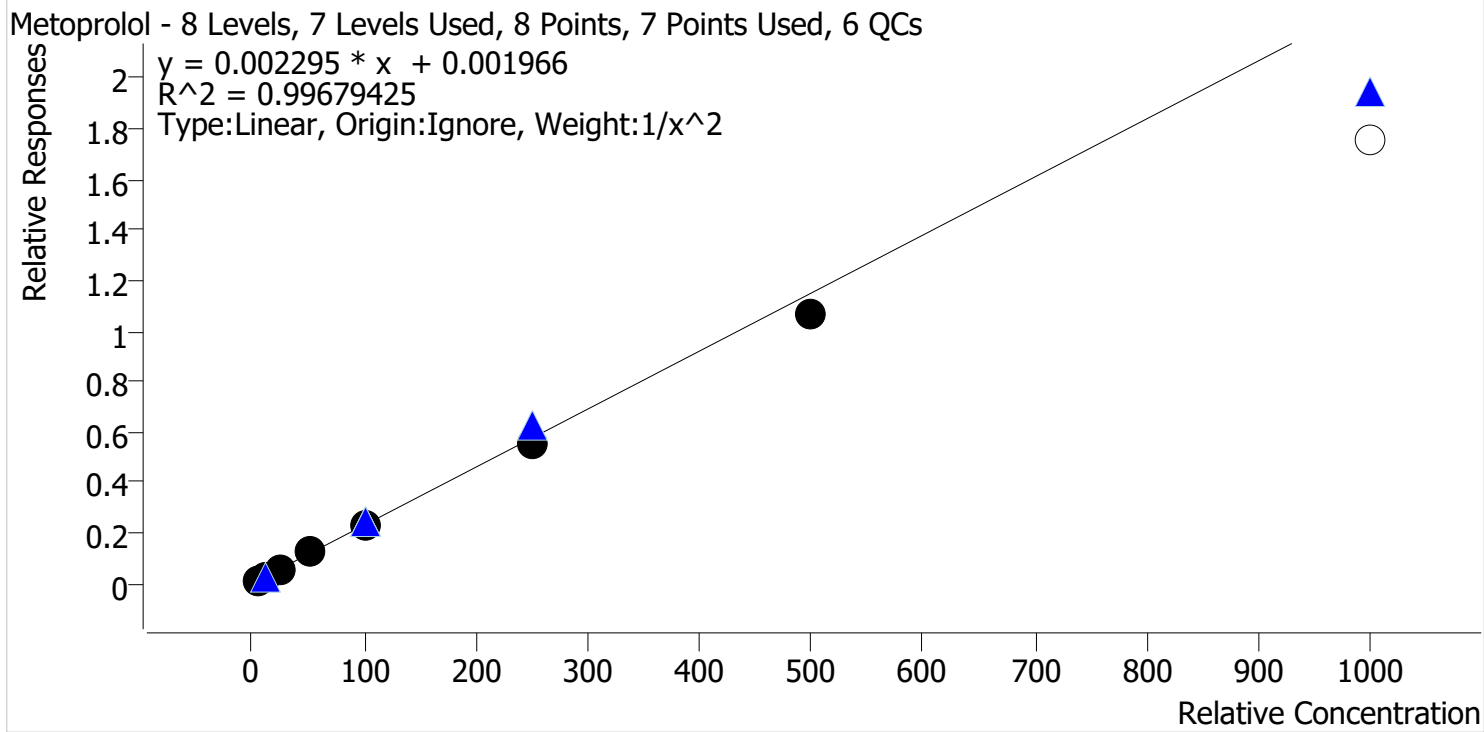
Calibrator 8 removed due to accuracy.

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	53.0	106.1
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	241.3	96.5
p1 Cal 7-500ng	7	✓	500.0	460.9	92.2
p1 Cal 8-1000ng	8	x	1000.0	763.4	76.3

Calibrator 8 removed due to accuracy.

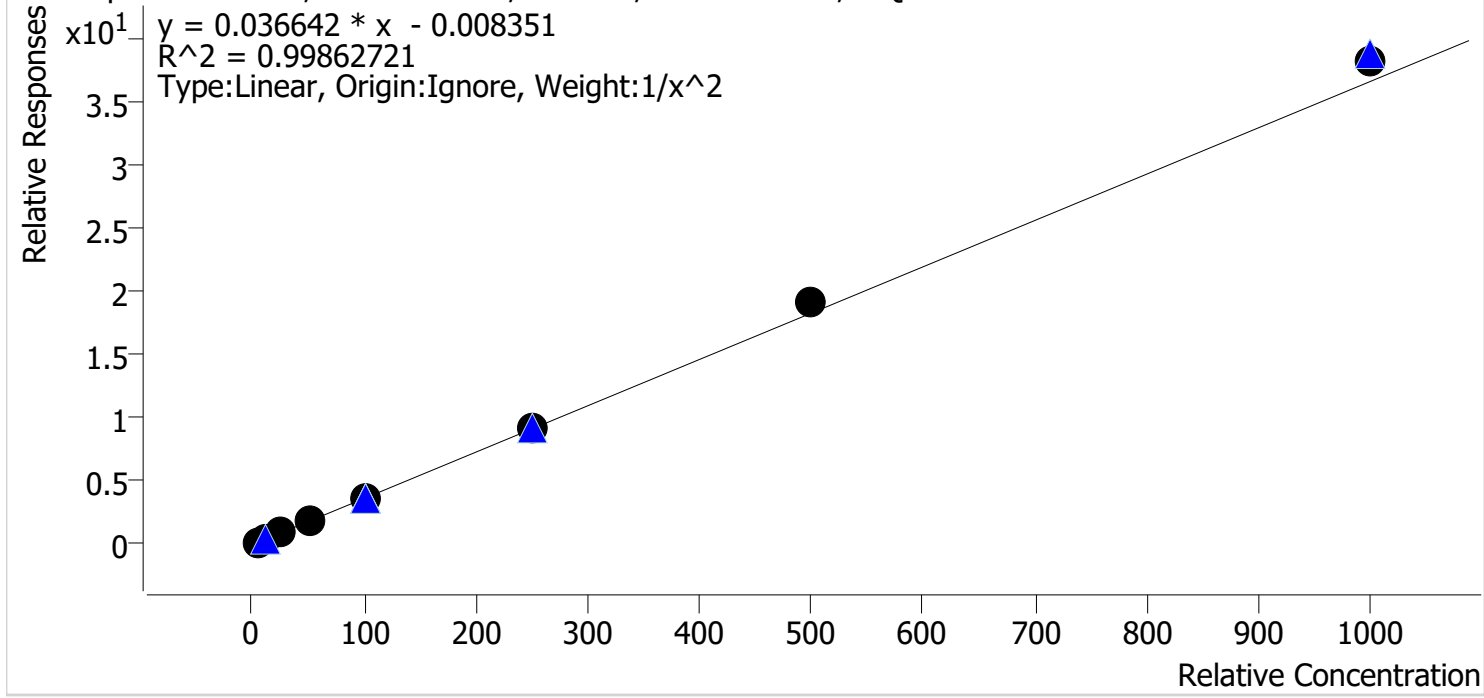
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	48.9	97.7
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	520.0	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1041.8	104.2

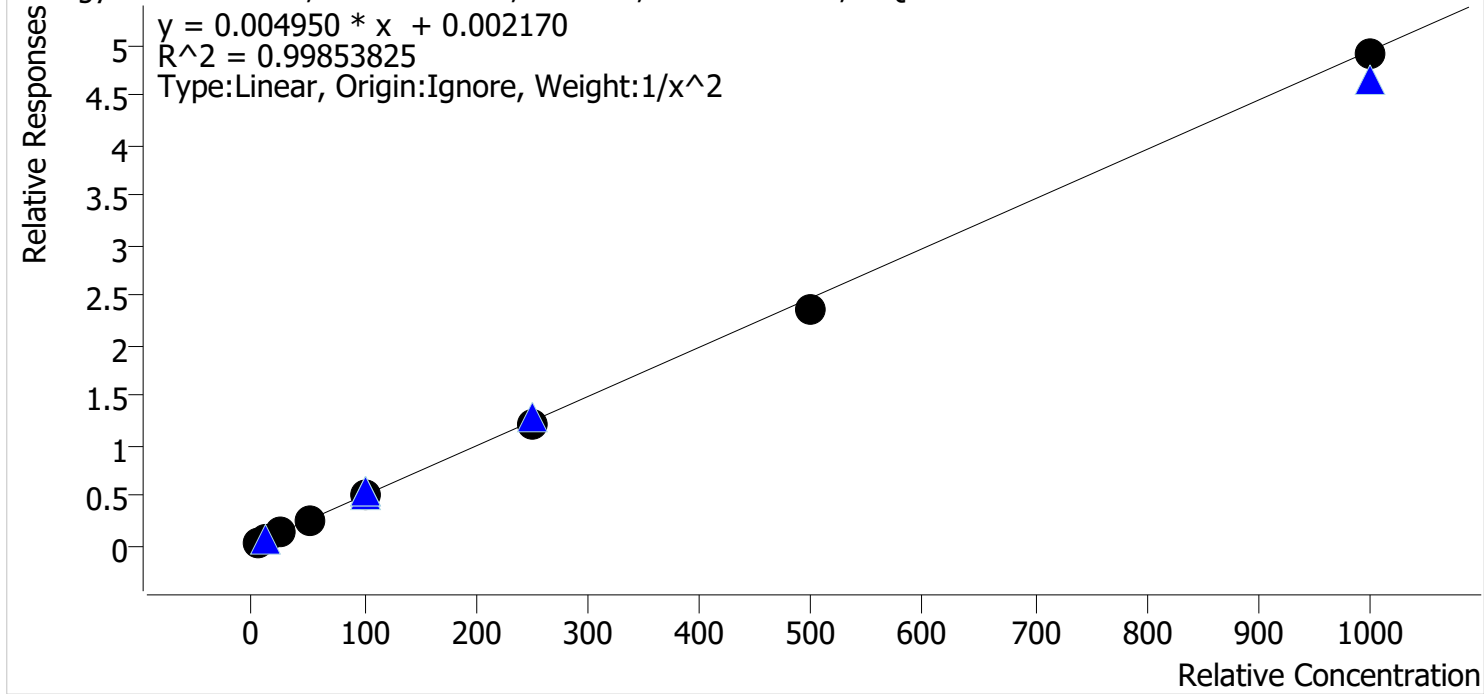
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9

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



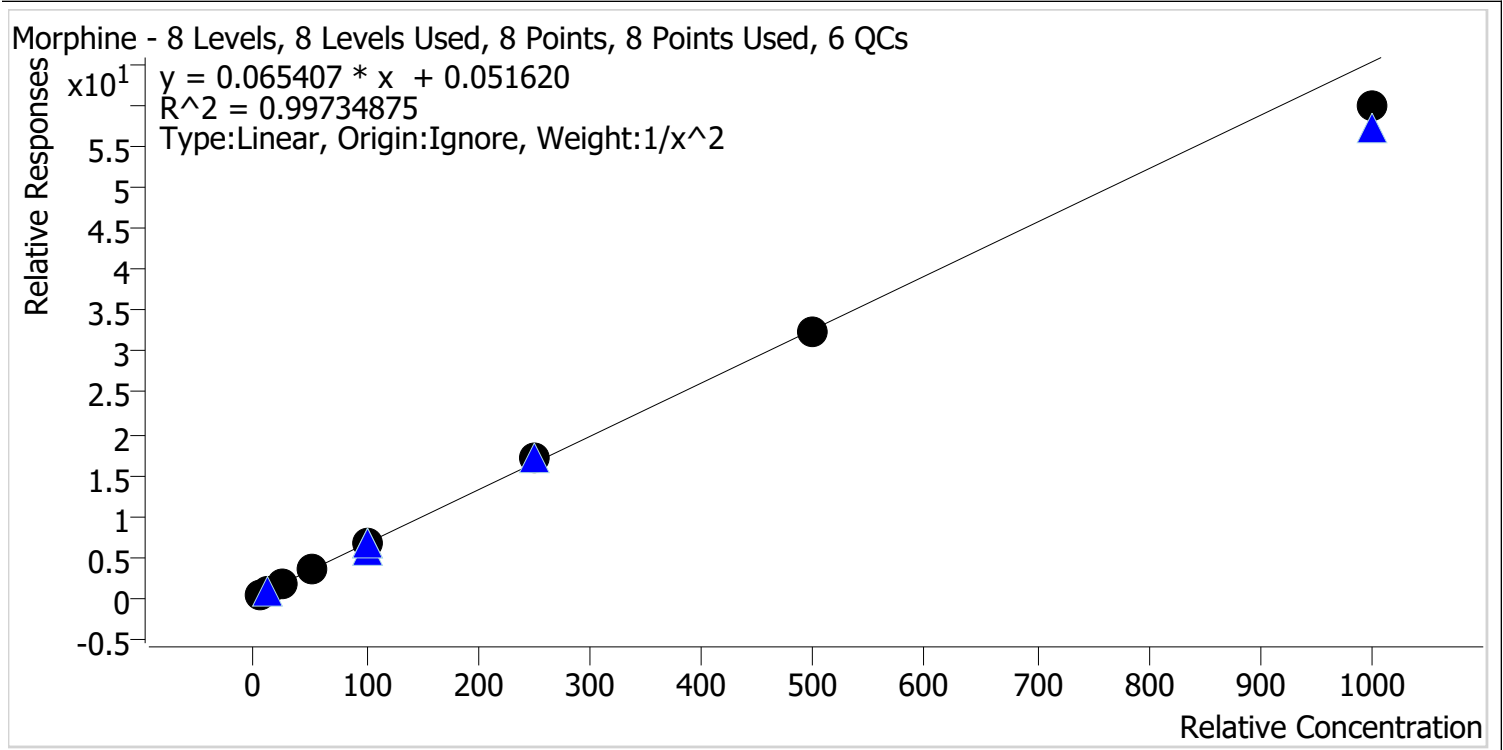
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	52.1	104.3
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	242.9	97.2
p1 Cal 7-500ng	7	✓	500.0	476.0	95.2
p1 Cal 8-1000ng	8	✓	1000.0	992.9	99.3

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	257.3	102.9
p1 Cal 7-500ng	7	✓	500.0	495.7	99.1
p1 Cal 8-1000ng	8	✓	1000.0	916.9	91.7

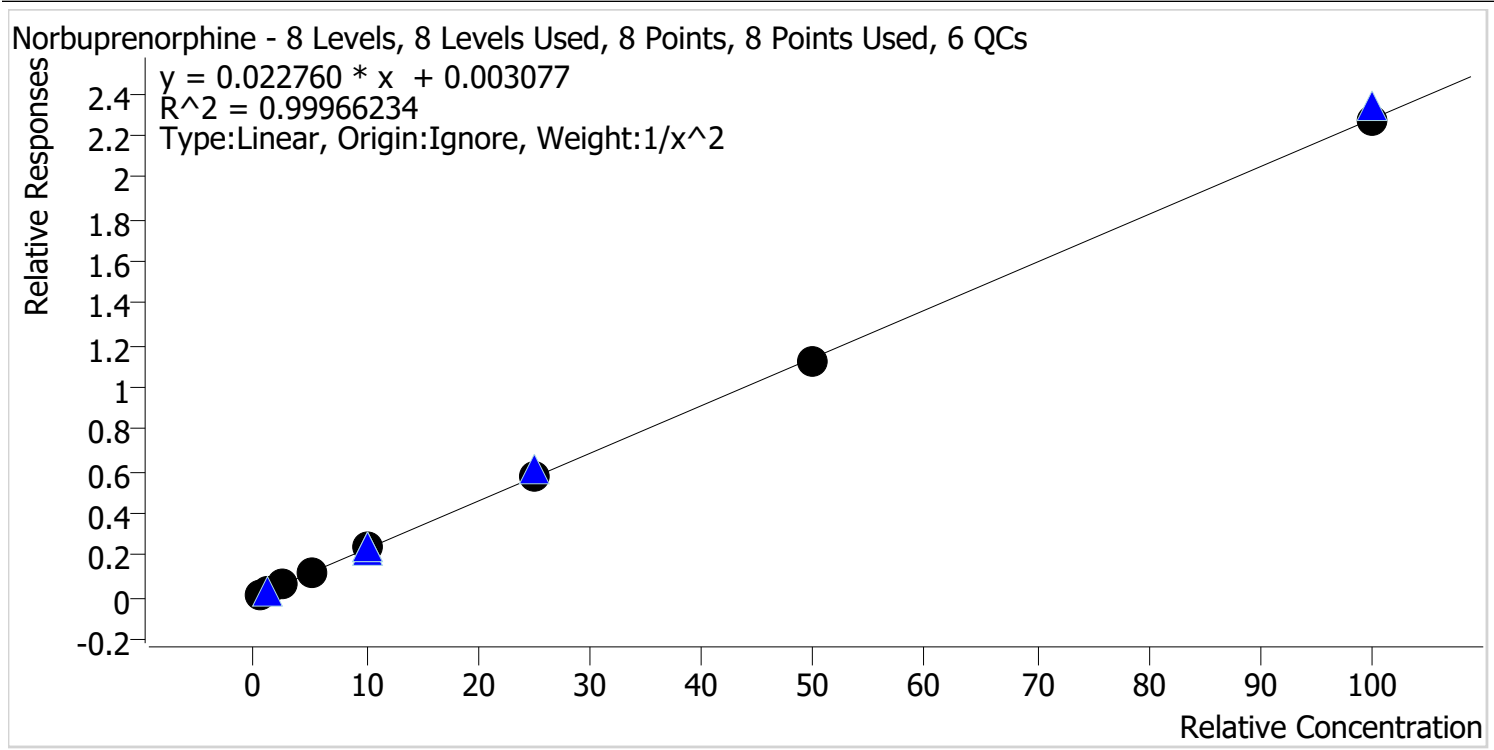


TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



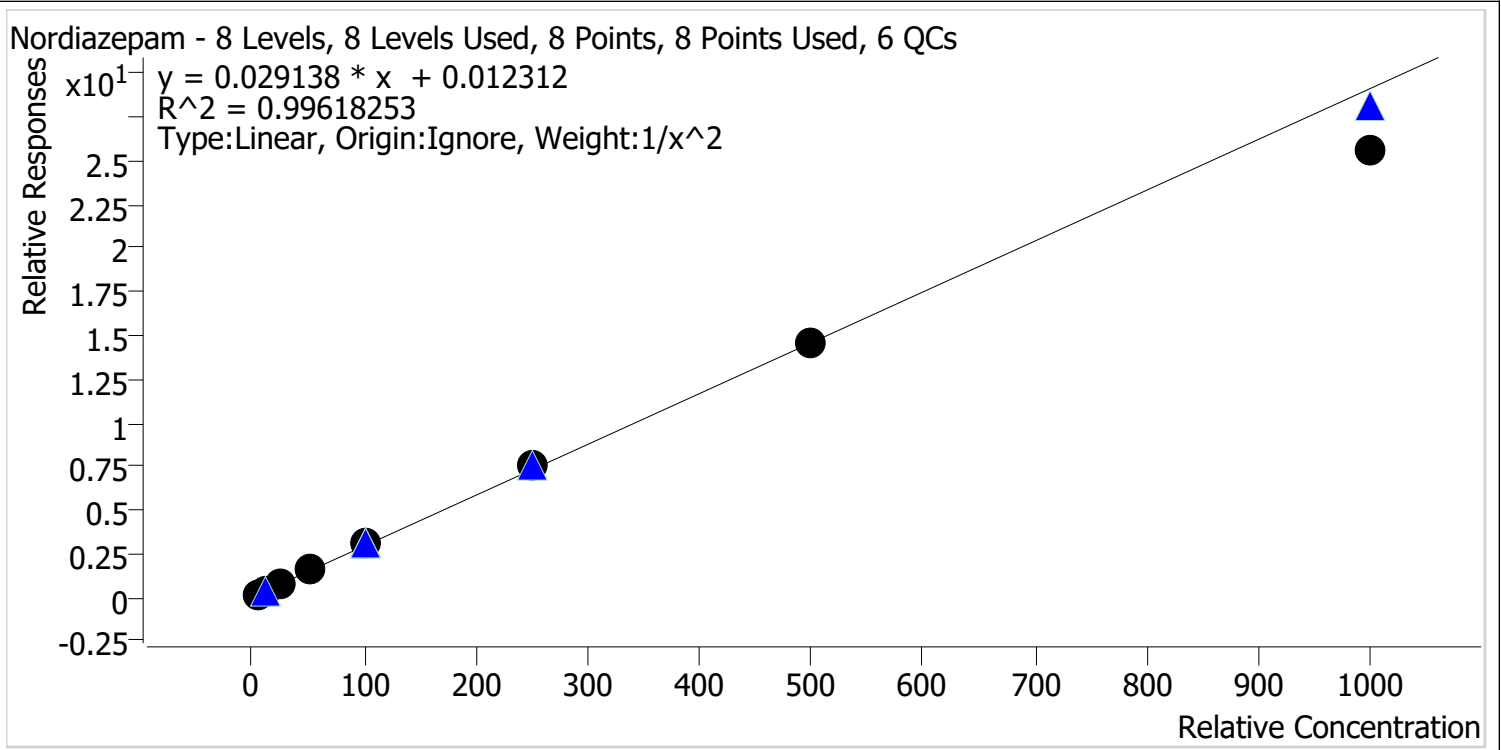
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.9
p1 Cal 2-10ng	2	✓	1.0	1.0	98.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.7
p1 Cal 4-50ng	4	✓	5.0	5.1	101.0
p1 Cal 5-100ng	5	✓	10.0	10.3	102.5
p1 Cal 6-250ng	6	✓	25.0	25.1	100.4
p1 Cal 7-500ng	7	✓	50.0	48.9	97.7
p1 Cal 8-1000ng	8	✓	100.0	99.8	99.8

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5



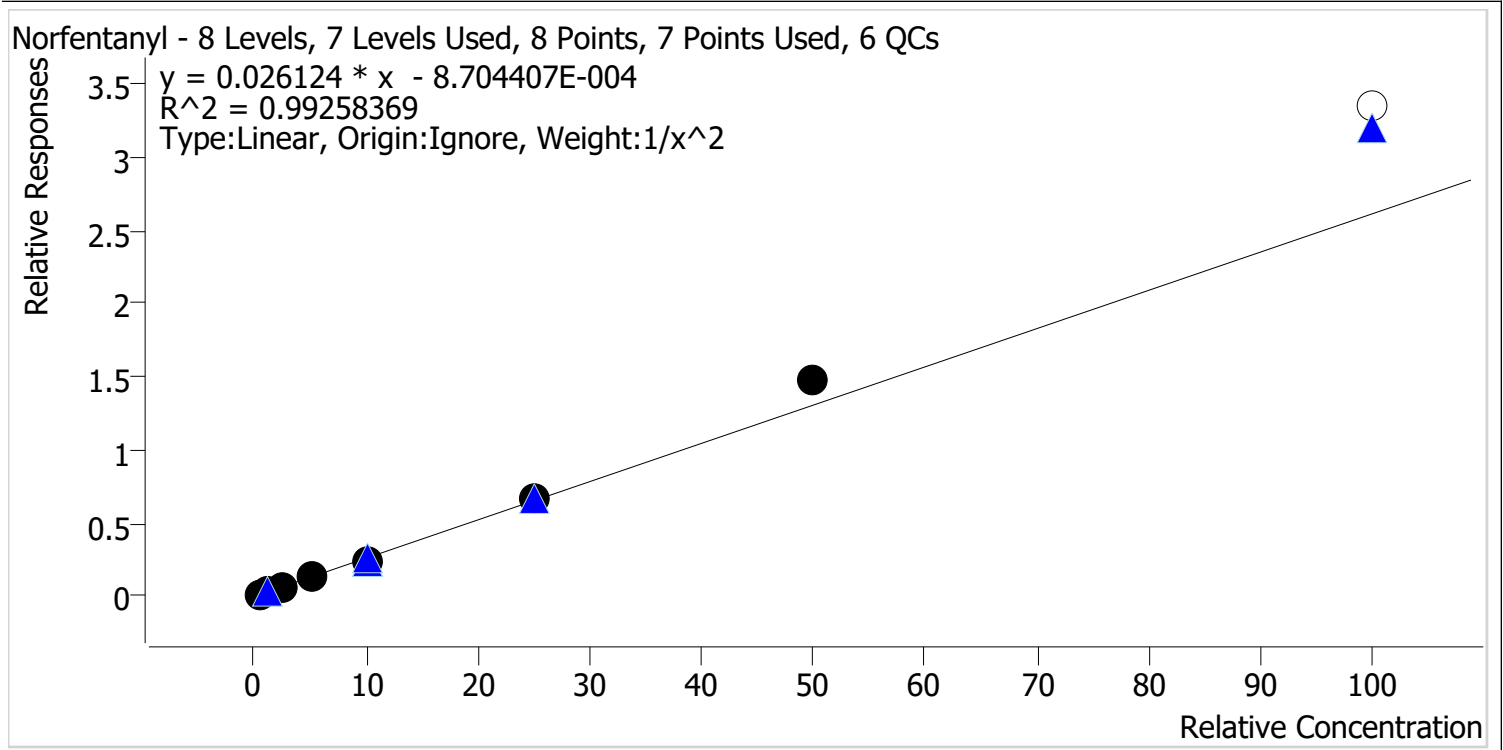
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	258.6	103.4
p1 Cal 7-500ng	7	✓	500.0	498.4	99.7
p1 Cal 8-1000ng	8	✓	1000.0	879.4	87.9

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl Internal Standard Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	105.3
p1 Cal 2-10ng	2	✓	1.0	0.9	92.7
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.2
p1 Cal 4-50ng	4	✓	5.0	4.9	97.5
p1 Cal 5-100ng	5	✓	10.0	9.6	95.6
p1 Cal 6-250ng	6	✓	25.0	25.8	103.1
p1 Cal 7-500ng	7	✓	50.0	56.3	112.5
p1 Cal 8-1000ng	8	x	100.0	128.1	128.1

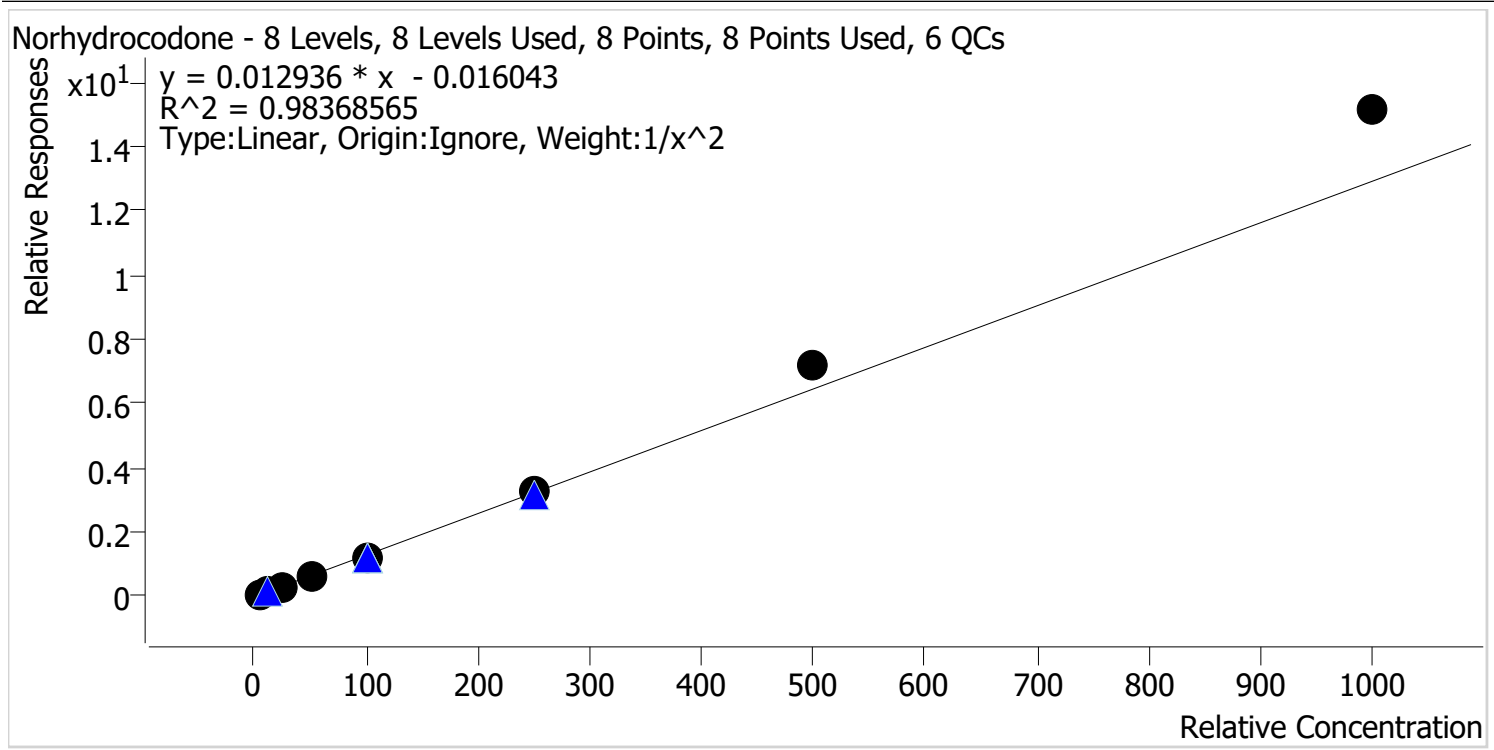
Calibrator 8 removed due to accuracy.

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.9
p1 Cal 2-10ng	2	✓	10.0	9.1	90.9
p1 Cal 3 -25ng	3	✓	25.0	22.3	89.4
p1 Cal 4-50ng	4	✓	50.0	44.9	89.9
p1 Cal 5-100ng	5	✓	100.0	91.0	91.0
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	554.1	110.8
p1 Cal 8-1000ng	8	✓	1000.0	1176.2	117.6

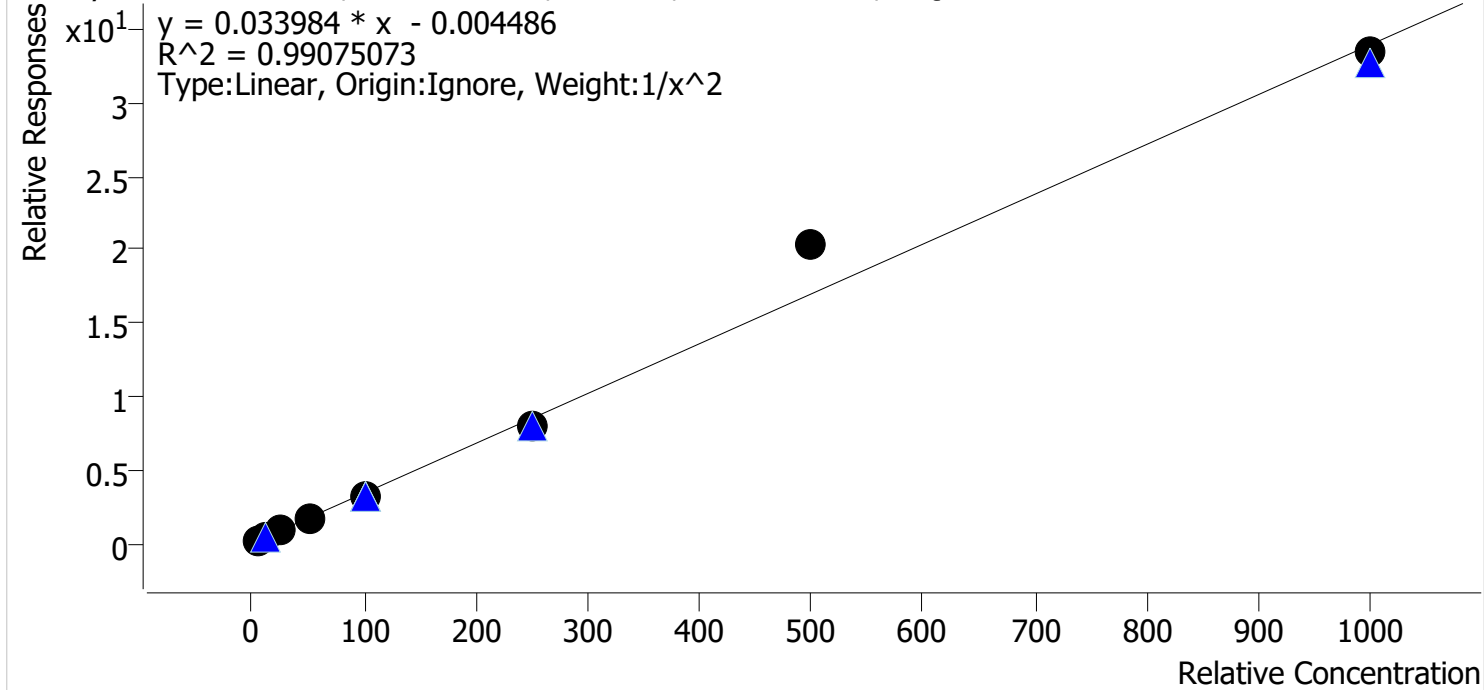
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	47.2	94.3
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	237.8	95.1
p1 Cal 7-500ng	7	✓	500.0	598.4	119.7
p1 Cal 8-1000ng	8	✓	1000.0	985.1	98.5

TS



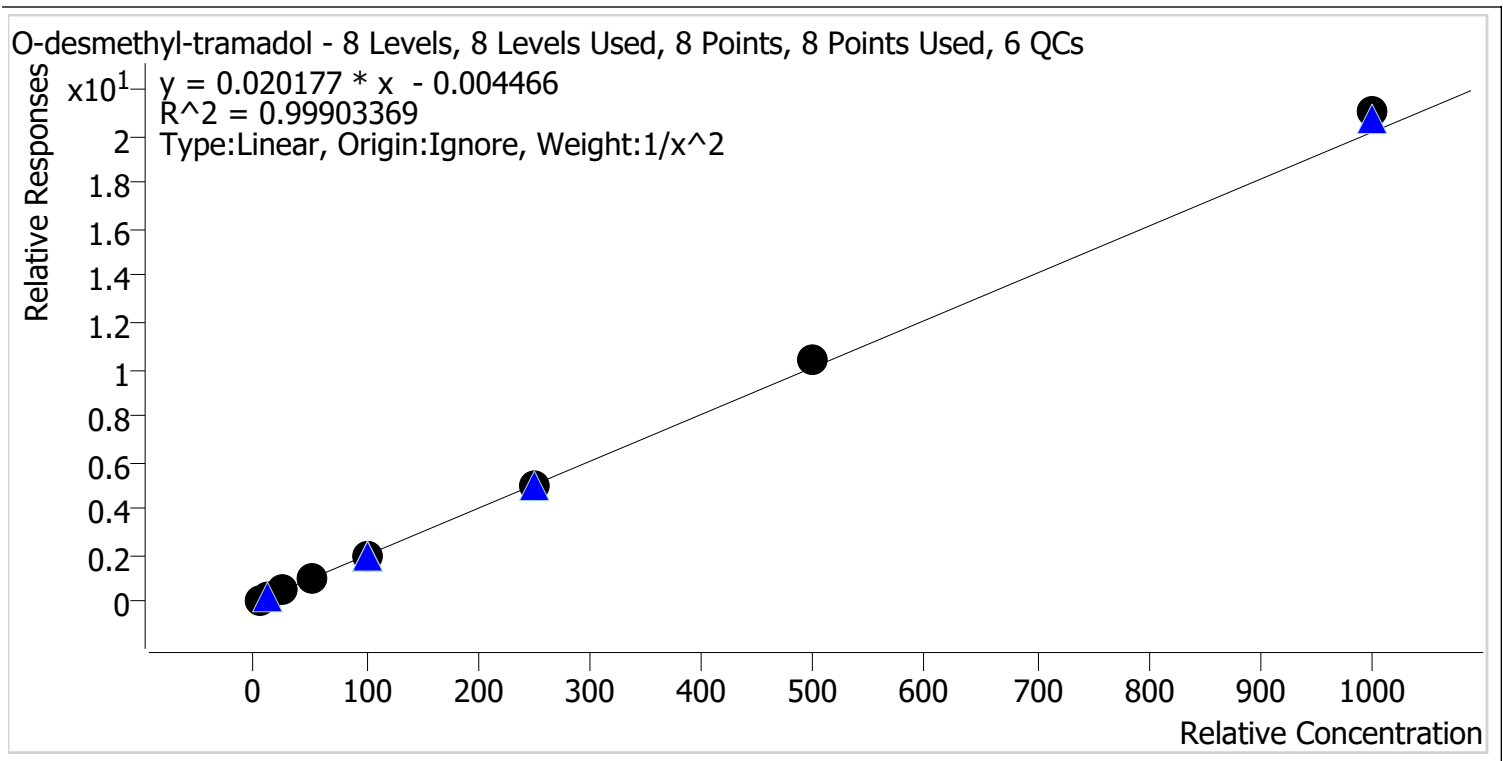
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin

**Last Cal. Update** 6/17/2022 9:29 AM

**Analyst Name** ISP\datastor

**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



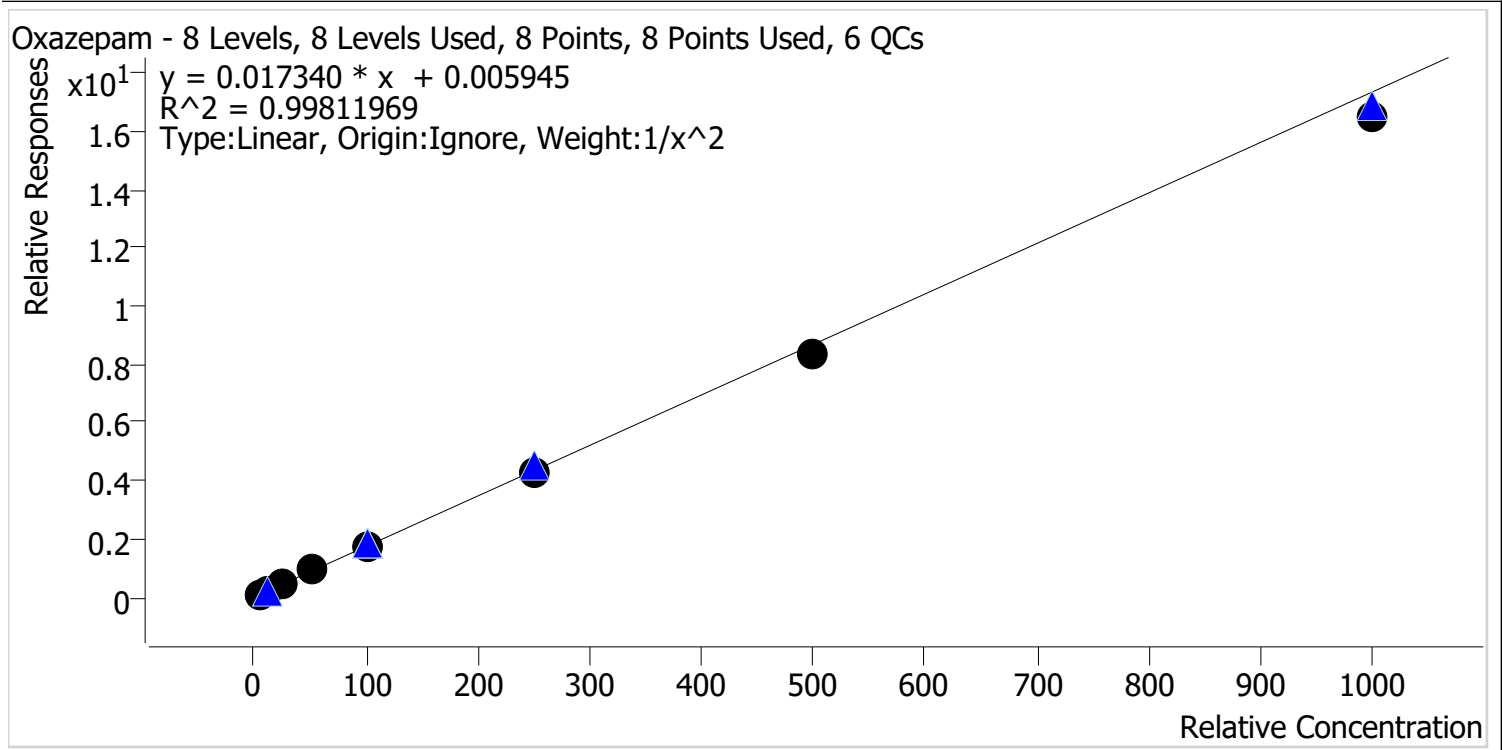
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	48.4	96.9
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	513.3	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1043.1	104.3

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5



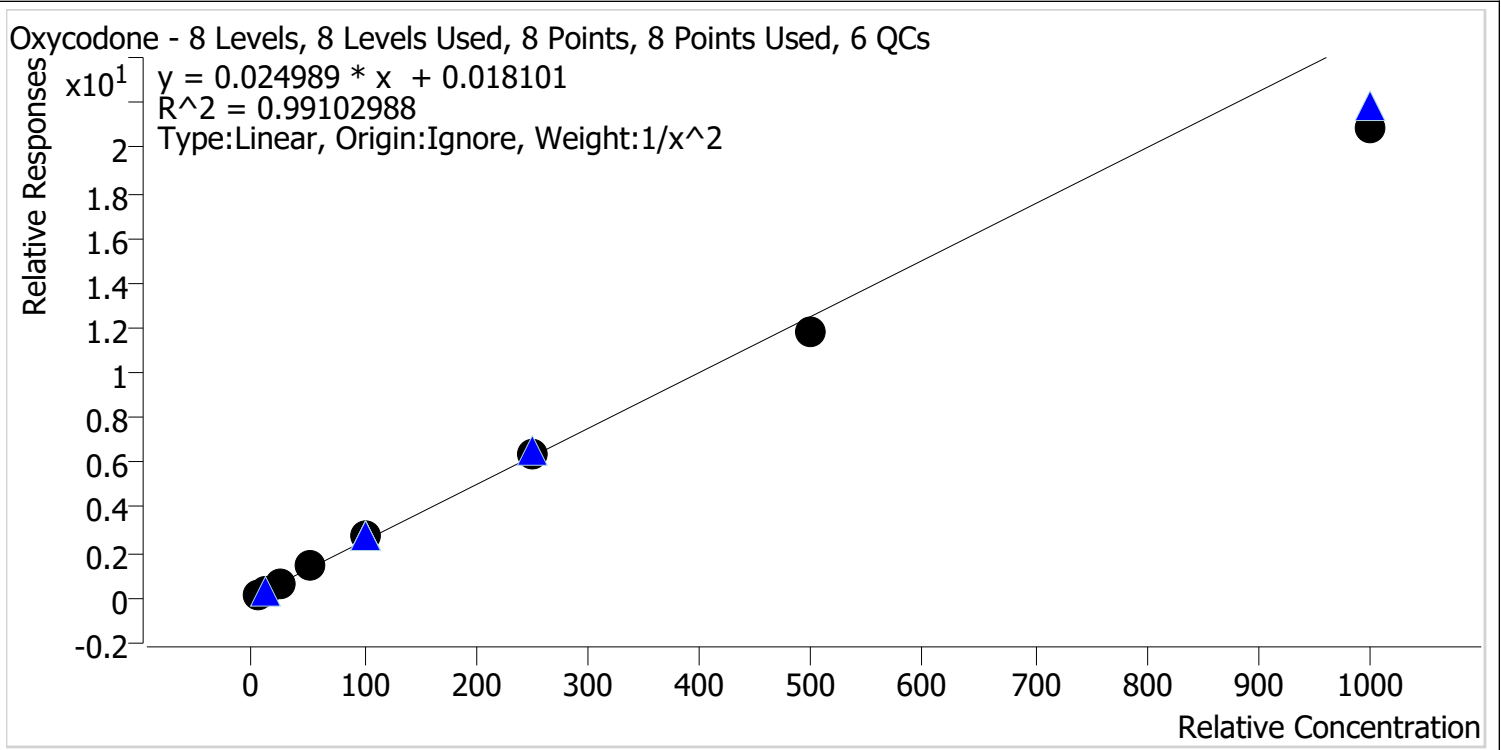
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	247.6	99.0
p1 Cal 7-500ng	7	✓	500.0	479.0	95.8
p1 Cal 8-1000ng	8	✓	1000.0	949.0	94.9

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	54.1	108.1
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	470.1	94.0
p1 Cal 8-1000ng	8	✓	1000.0	836.4	83.6



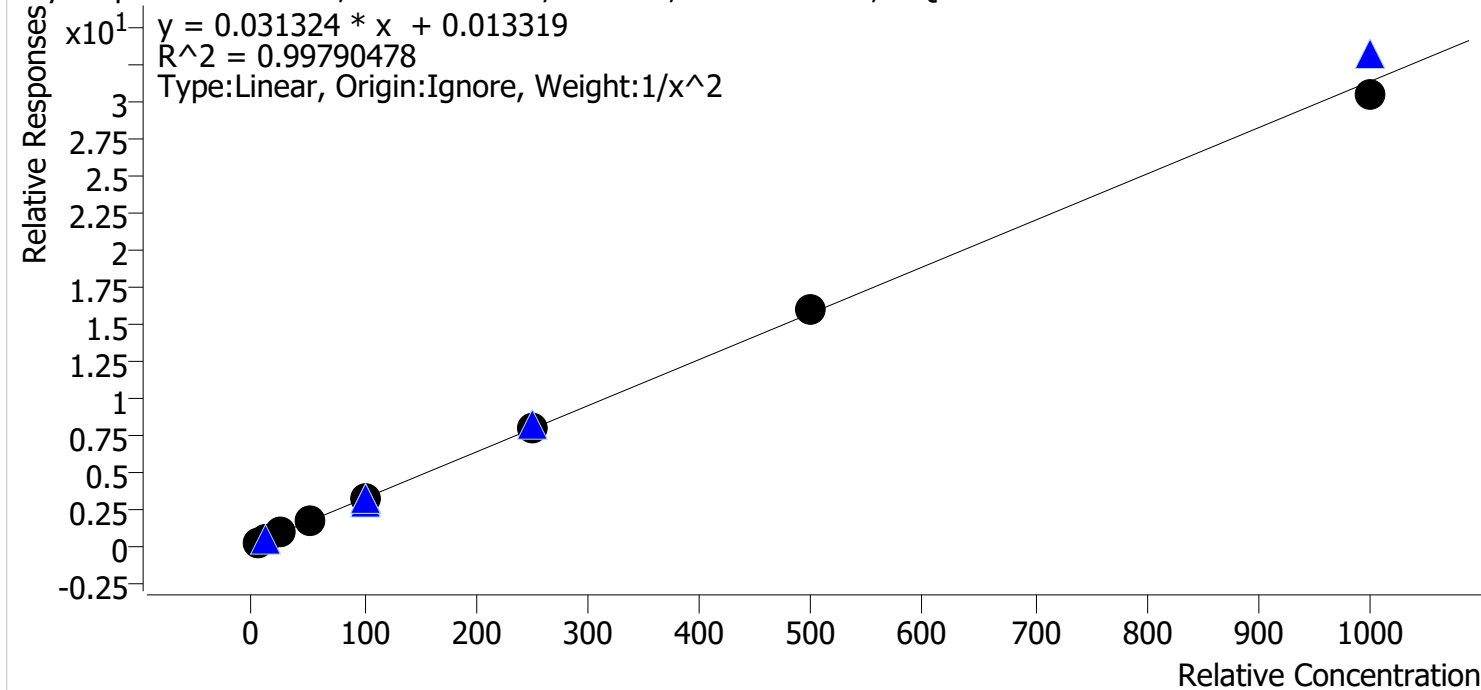
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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



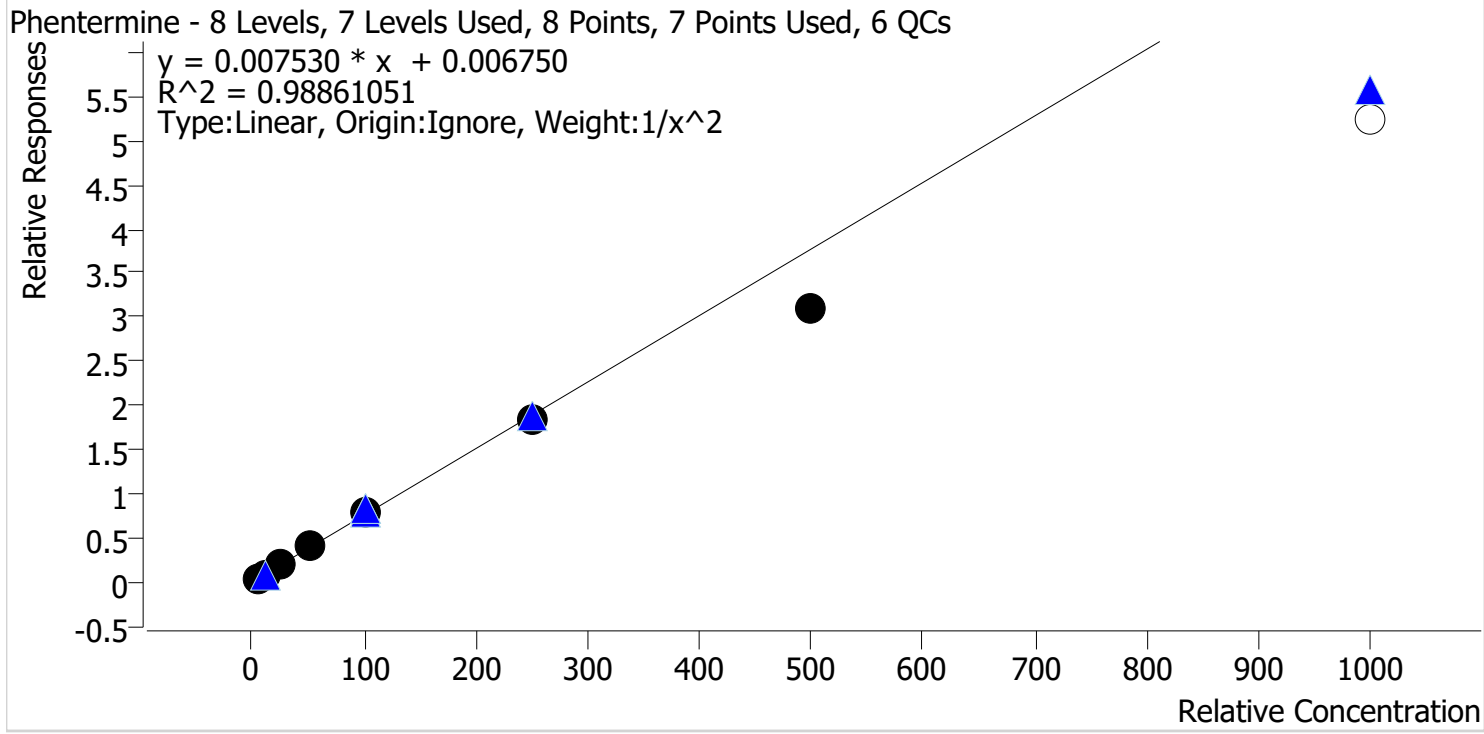
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.3	93.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	53.2	106.3
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	507.7	101.5
p1 Cal 8-1000ng	8	✓	1000.0	971.8	97.2

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	54.7	109.5
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	242.9	97.1
p1 Cal 7-500ng	7	✓	500.0	413.0	82.6
p1 Cal 8-1000ng	8	x	1000.0	694.4	69.4

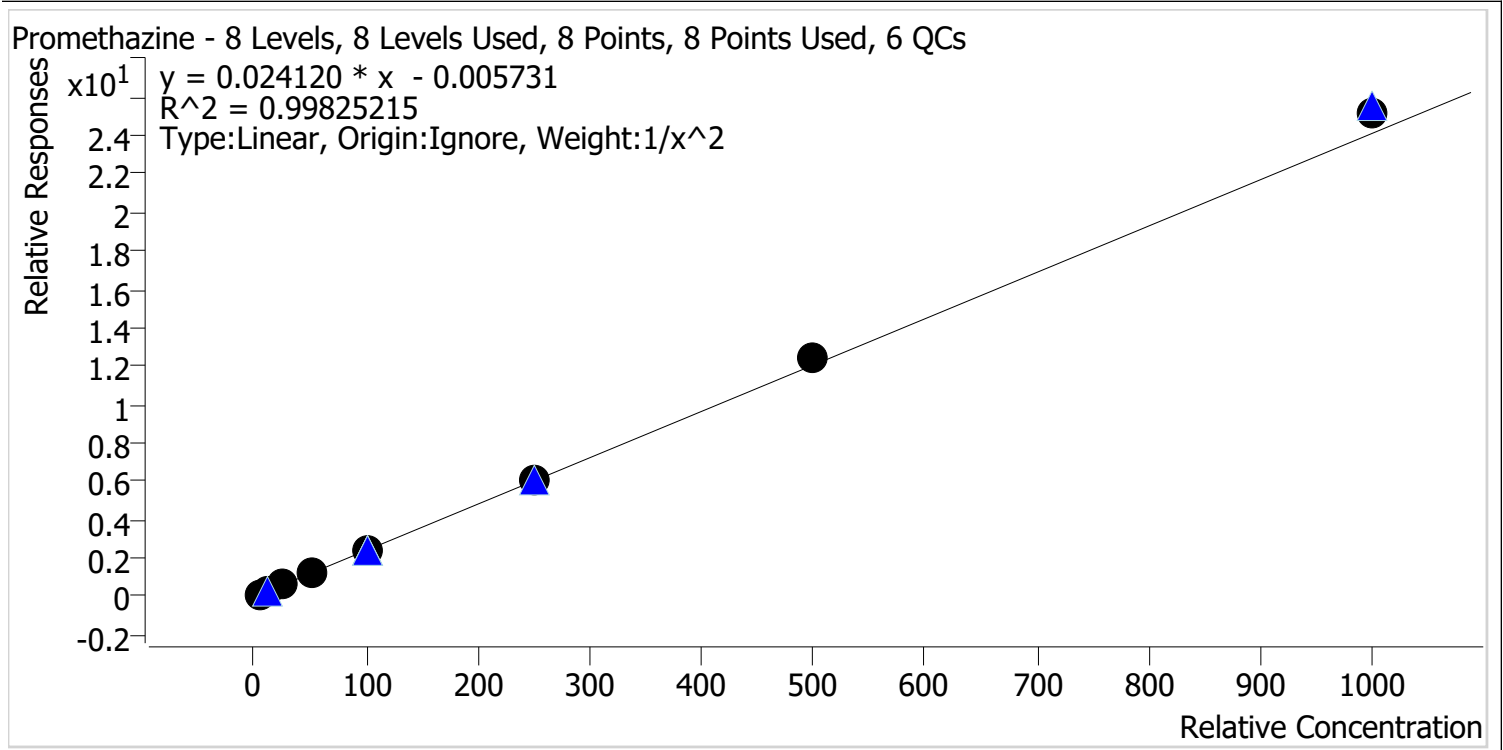
Calibrator 8 removed due to accuracy.



TS

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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



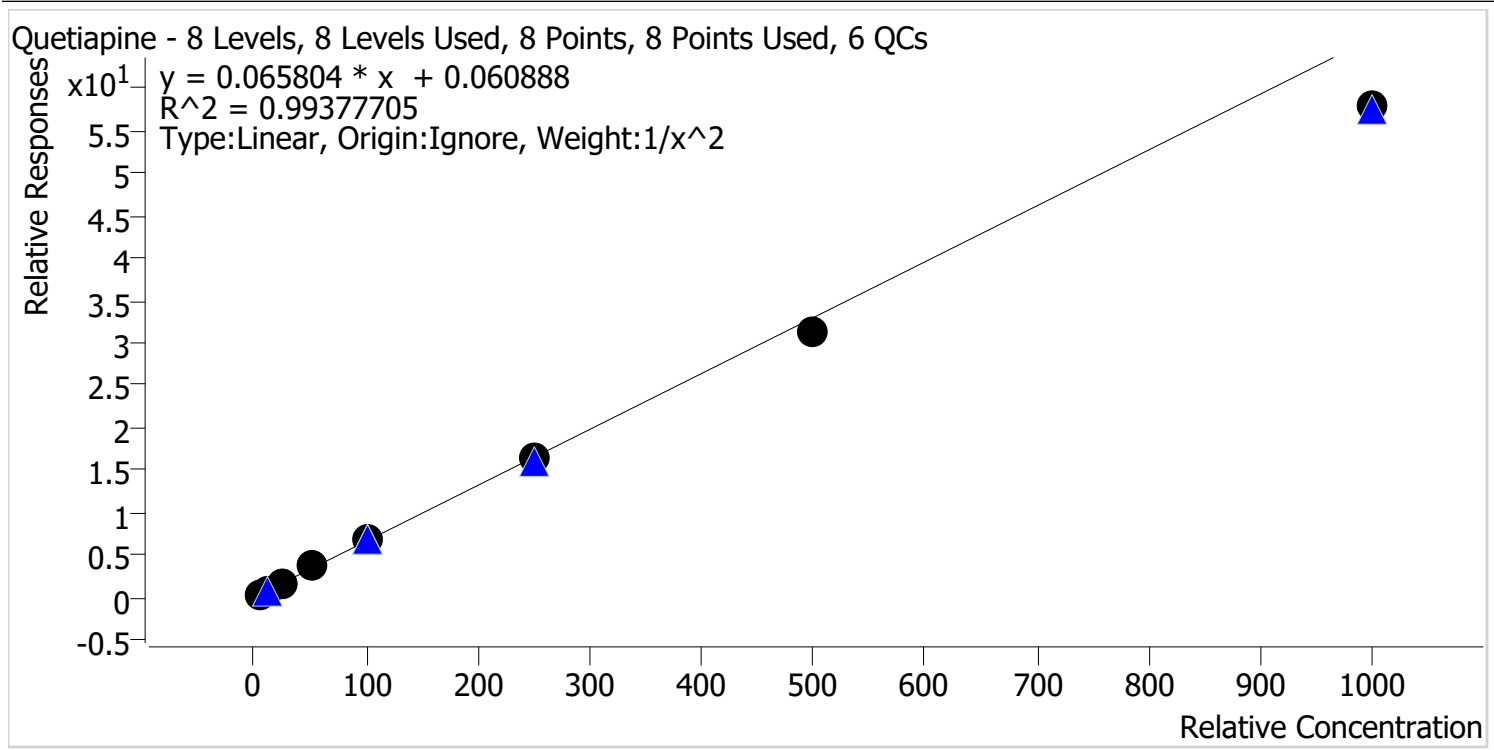
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	518.8	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1045.1	104.5

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



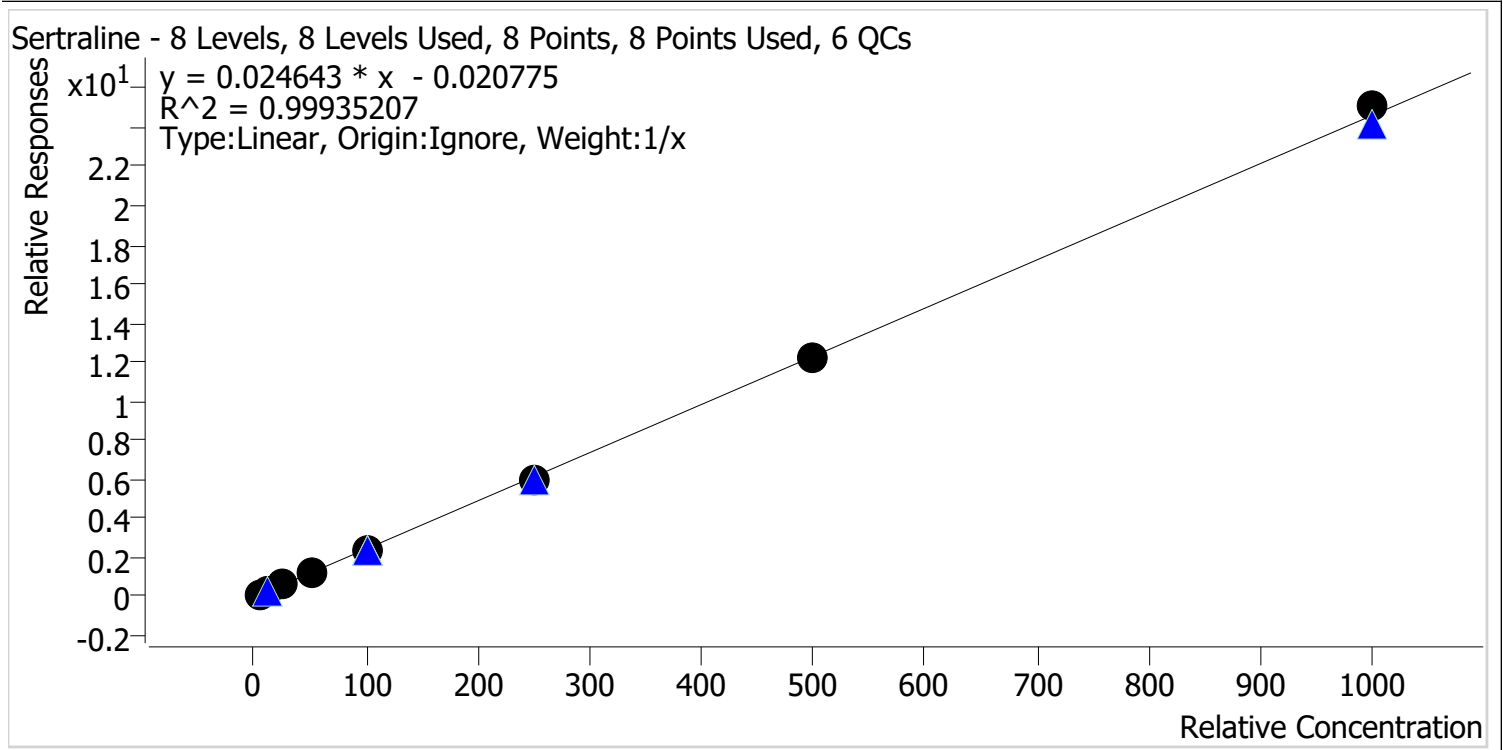
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.6
p1 Cal 4-50ng	4	✓	50.0	54.5	109.0
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	475.5	95.1
p1 Cal 8-1000ng	8	✓	1000.0	878.2	87.8



TS

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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



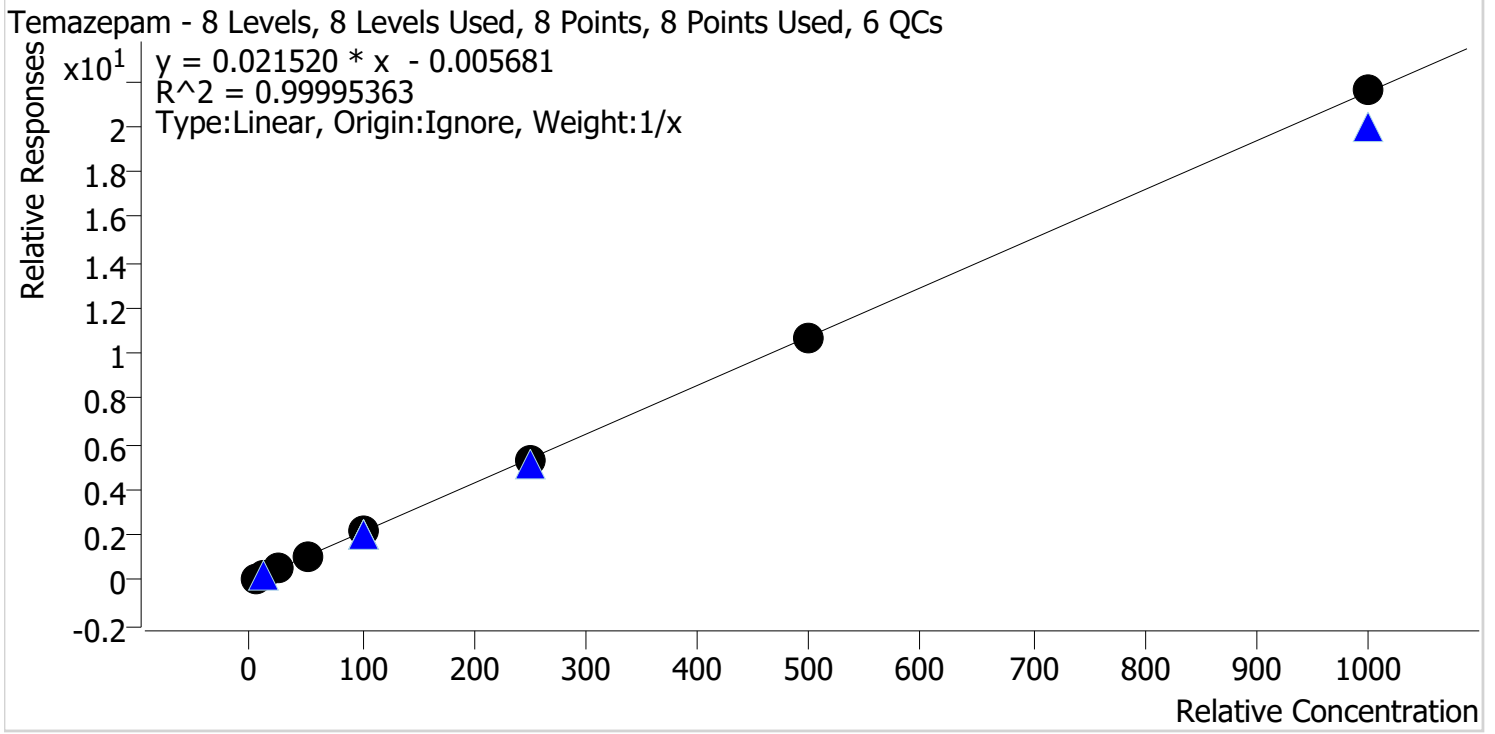
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.7	114.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	93.7	93.7
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	494.9	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1019.0	101.9

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



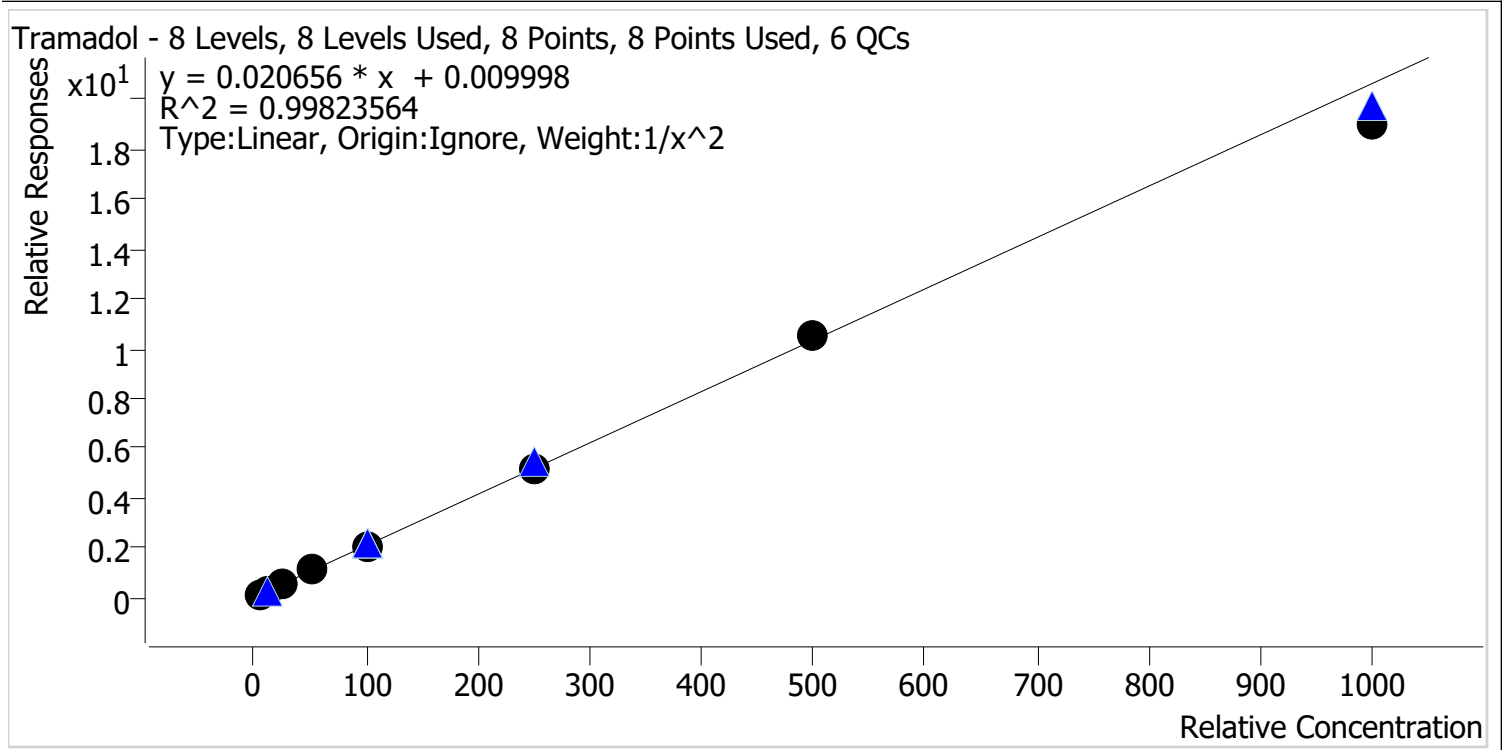
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1003.5	100.3

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



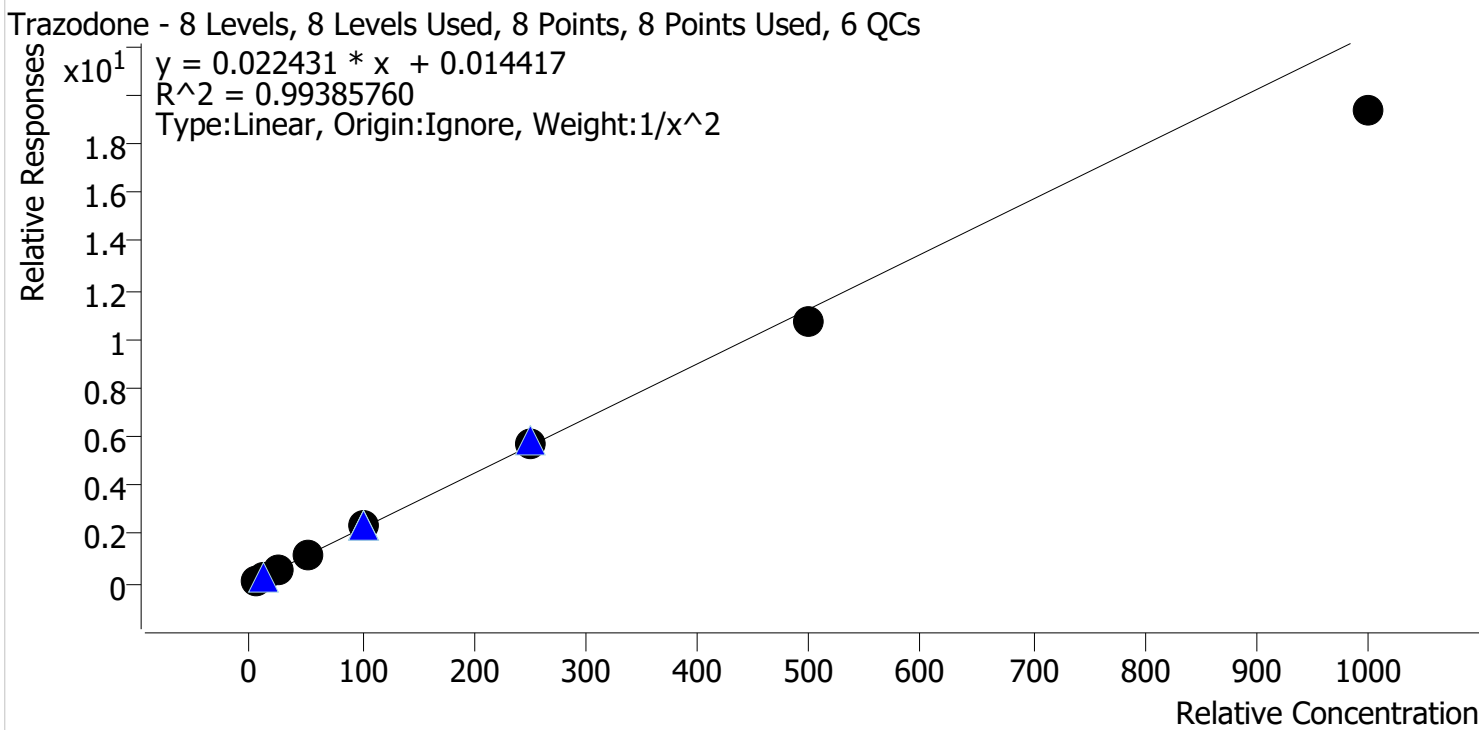
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	52.4	104.7
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	509.4	101.9
p1 Cal 8-1000ng	8	✓	1000.0	922.7	92.3

TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	477.3	95.5
p1 Cal 8-1000ng	8	✓	1000.0	863.4	86.3

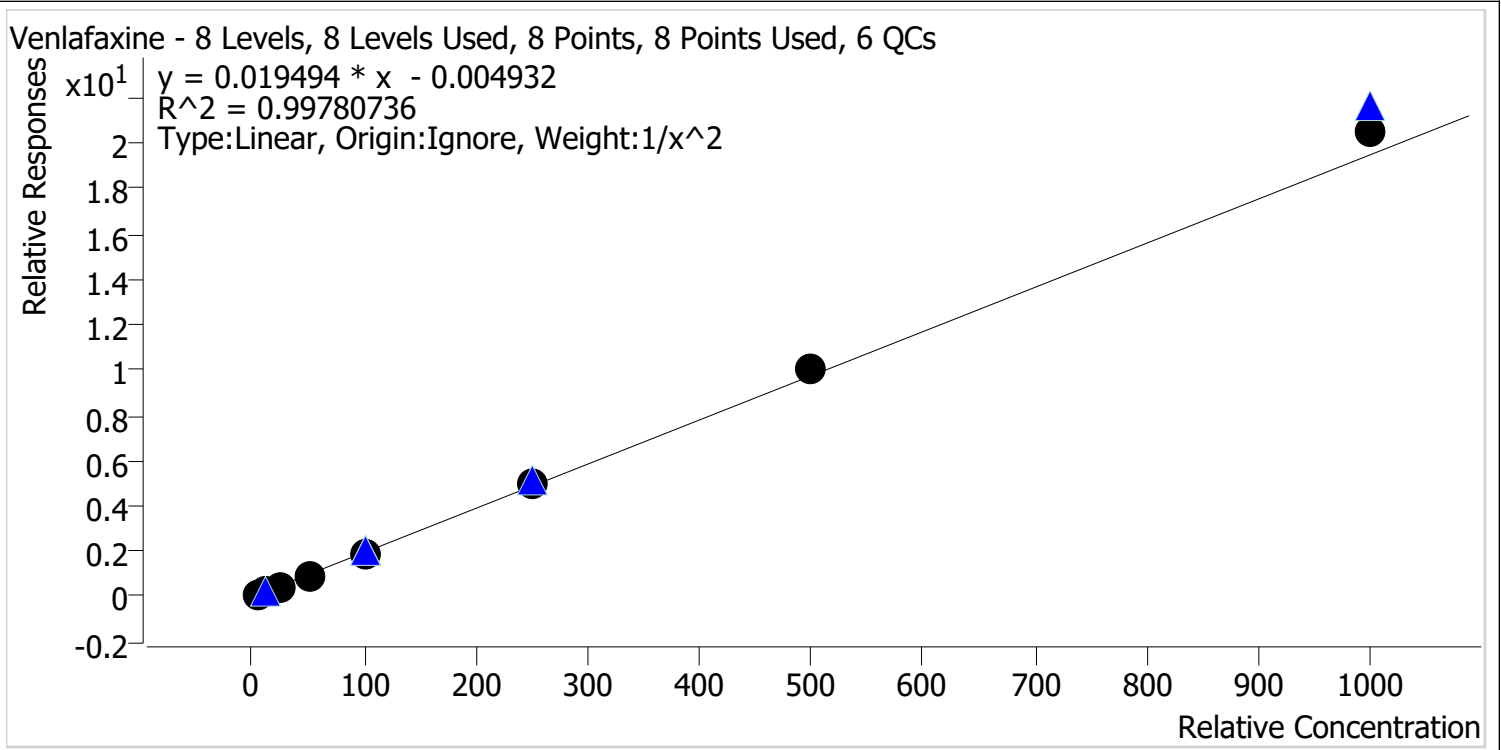


TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	47.9	95.9
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	518.9	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1055.7	105.6

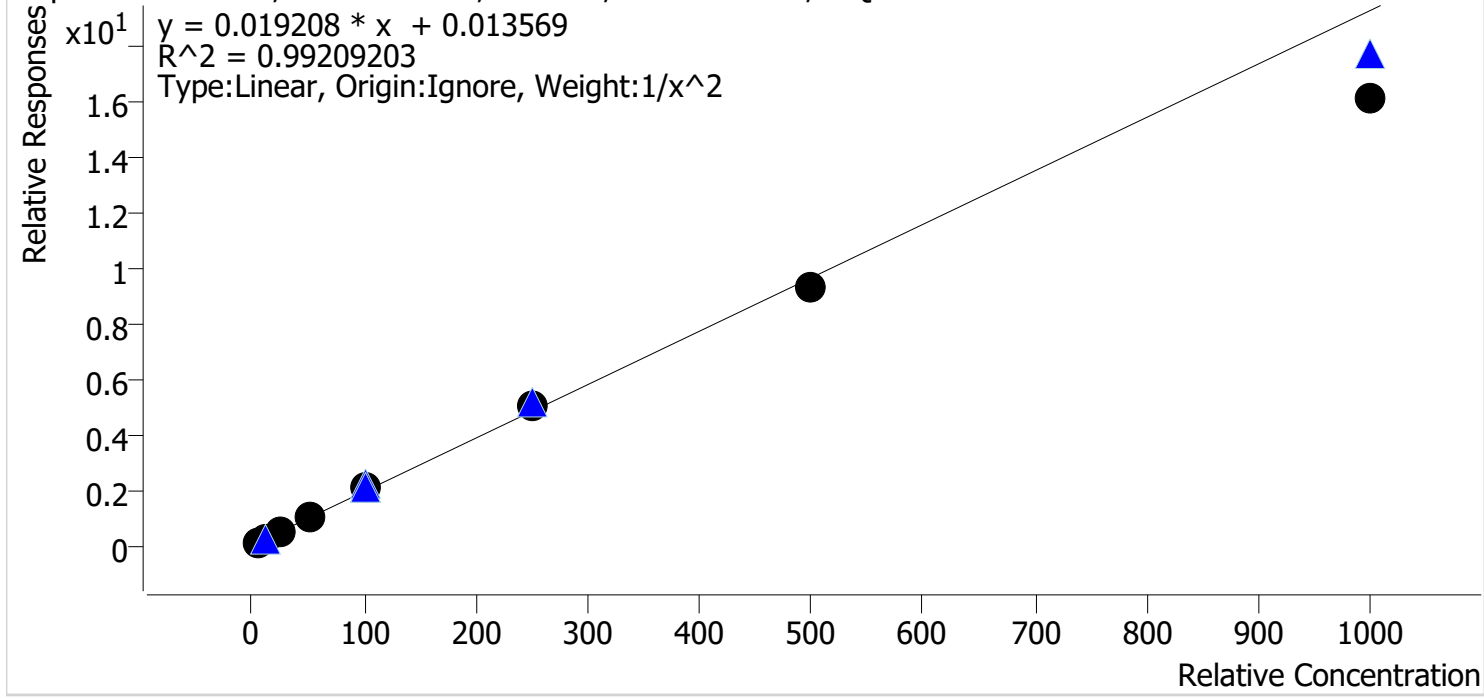
TS



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

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 6/17/2022 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	105.4	105.4
p1 Cal 6-250ng	6	✓	250.0	257.6	103.1
p1 Cal 7-500ng	7	✓	500.0	480.2	96.0
p1 Cal 8-1000ng	8	✓	1000.0	837.1	83.7

# AM #28 Multi-Drug Quant. Results

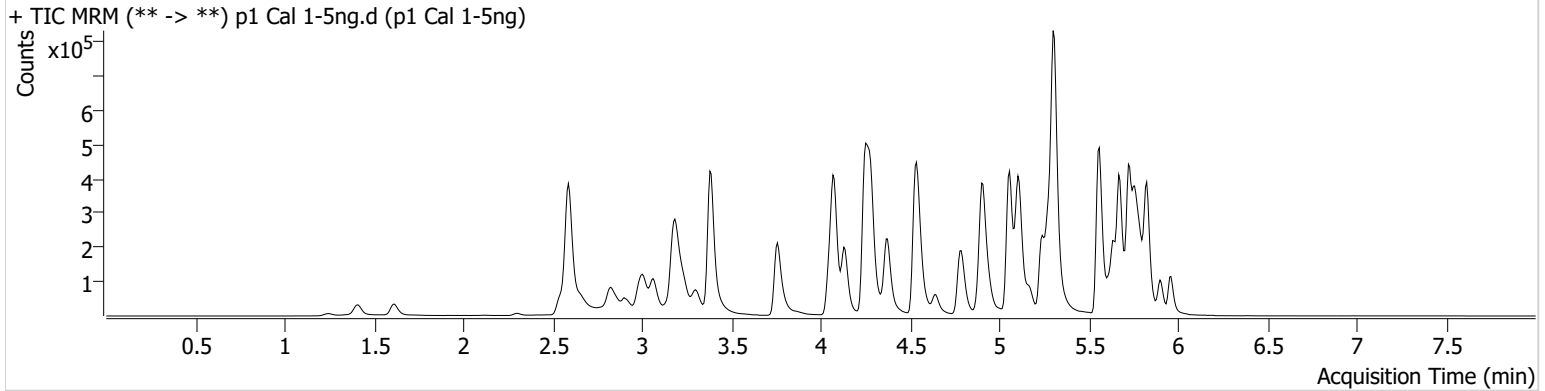
TS



**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 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>	Tamara Salazar
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 1:48:26 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	1003	2413.59	73.5	1365.78	48628	0.5108 ng/ml
7-aminoclonazepam	4.270	19277	25070.33	75.3	58.93	138887	4.8225 ng/ml
a-hydroxyalprazolam	5.706	10560	347.58	64.1	859.52	236343	4.8543 ng/ml
alpha-PHP	4.949	19311	1858.89	253.1	2908.47	489481	4.9407 ng/ml
alpha-PVP	4.381	65461	736.91	51.2	134.55	489481	5.0487 ng/ml
Alprazolam	5.782	34404	1671.74	107.4	684.80	236343	5.0979 ng/ml
Amphetamine	3.065	122143	1705.12	49.8	225.43	266330	3.8259 ng/ml
Benzoylecgonine	3.890	1416	21.26	6.3	∞	9703	5.1219 ng/ml
Buprenorphine	5.853	1697	3466.81	15.4	860.74	109554	0.5280 ng/ml
Bupropion	4.800	68904	5768.22	67.0	996.33	467023	4.9832 ng/ml
Carisoprodol	5.731	37465	33851.40	62.0	102.66	342989	6.2332 ng/ml
Citalopram	5.239	53997	424.23	35.6	178.99	480925	5.0025 ng/ml
Clonazepam	5.619	35505	215.73	34.3	1228.79	94854	4.8556 ng/ml
Clonazepam	5.563	25707	50823.65	33.7	9020.47	94854	4.8261 ng/ml
Cocaine	4.283	43283	2534.89	58.1	741.65	711018	4.9913 ng/ml
Codeine	2.594	5280	11431.79	114.0	10190.78	50007	4.7727 ng/ml
Cyclobenzaprine	5.642	44105	73140.11	7.9	148.10	354521	5.2188 ng/ml
Dextromethorphan	5.281	30454	1054.07	83.2	2010.54	249412	5.0428 ng/ml
Dextrophan	4.137	18688	805.87	193.8	2102.68	374903	5.1026 ng/ml
Diazepam	5.960	21625	513.74	89.9	563.70	192293	4.9554 ng/ml
Dihydrocodeine	2.573	12628	72.98	64.6	53.51	148053	4.9713 ng/ml
Diphenhydramine	5.309	137872	6855.77	32.3	3732.69	1713319	5.0959 ng/ml
Doxylamine	4.548	134687	2829.08	99.6	852.56	1154668	5.0376 ng/ml
EDDP	5.274	33586	3393.49	45.4	31617.31	357385	5.0581 ng/ml
Etizolam	5.827	15324	22569.42	27.5	4634.25	94854	5.1463 ng/ml
Fentanyl	5.116	4843	688.64	69.7	7093.88	518569	0.5042 ng/ml
Flualprazolam	5.712	13622	3033.57	99.0	2343.64	236343	4.9042 ng/ml
Fluoxetine	5.728	55092	233.11	7.2	196.48	408892	5.1517 ng/ml
Hydrocodone	3.041	21309	57.50	35.2	37.94	232723	4.8007 ng/ml
Hydromorphone	1.621	15773	33.80	70.7	264.32	94678	5.0317 ng/ml
Ketamine	4.063	47376	2346.85	32.8	62.60	395312	4.9693 ng/ml
Lamotrigine	4.292	3738	145.52	91.9	7619.10	395312	4.7601 ng/ml
Levetiracetam	2.658	19711	429.56	161.5	1573.07	1097749	5.0603 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	33986	2310.25	49.0	99.18	94854	4.2499 ng/ml
MDA	3.212	73760	843.67	28.6	94.30	342265	4.6884 ng/ml
MDMA	3.306	45210	996.16	88.0	515.85	91638	5.0661 ng/ml
Meprobamate	4.910	21133	1830.89	27.3	283.12	208796	4.7742 ng/ml
Methadone	5.673	82542	193.19	59.3	192.86	687736	5.8687 ng/ml
Methamphetamine	3.240	84466	428.18	39.8	155.22	641490	4.9243 ng/ml
Metoprolol	4.338	13564	10487.54	92.7	655.29	1029937	4.8810 ng/ml
Mirtazapine	4.643	87628	2825.40	52.8	12081.22	489481	5.1137 ng/ml
Mitragynine	5.249	18059	245.40	36.9	10673.95	687736	4.8666 ng/ml
Morphine	1.253	2205	430.34	26.2	95.13	5837	4.9861 ng/ml
Norbuprenorphine	5.012	253	369.70	113.5	435.25	17352	0.5043 ng/ml
Nordiazepam	5.907	23997	590.71	54.7	∞	152981	4.9609 ng/ml
Norfentanyl	4.097	11219	124.81	34.6	27.06	870739	0.5265 ng/ml
Norhydrocodone	3.082	3478	50.15	37.0	16.76	64719	5.3939 ng/ml
Noroxycodone	2.932	21363	657.77	47.6	217.91	125339	5.1473 ng/ml
O-desmethyl-tramadol	3.386	105150	237.39	5.8	135.80	1069020	5.0962 ng/ml
Oxazepam	5.763	41229	209.28	72.5	90.58	449182	4.9505 ng/ml
Oxycodone	2.850	38049	1081.57	31.1	1070.30	274603	4.8204 ng/ml
Oxymorphone	1.411	16772	577.04	43.9	35.09	96126	5.1449 ng/ml
Phentermine	3.794	27440	179.45	5.5	59.31	637890	4.8165 ng/ml
Promethazine	5.560	99518	6771.38	30.2	143.40	843614	5.1284 ng/ml
Pseudoephedrine	2.597	108064	7965.43	17.3	760.65	1097749	5.0964 ng/ml
Quetiapine	5.569	65596	107495.68	56.1	115235.15	173497	4.8203 ng/ml
Sertraline	5.796	16226	447.61	92.8	688.84	134303	5.7459 ng/ml
Temazepam	5.831	62579	∞	27.7	139.66	589464	5.1971 ng/ml
Tramadol	4.257	115510	6222.39	3.3	22.27	1029937	4.9455 ng/ml
Trazodone	5.162	64239	105529.85	79.1	102.27	522378	4.8397 ng/ml
Venlafaxine	5.056	93754	624.37	32.5	523.35	981328	5.1540 ng/ml
Zolpidem	4.927	90188	1438.52	30.9	11058.78	844439	4.8538 ng/ml

TS

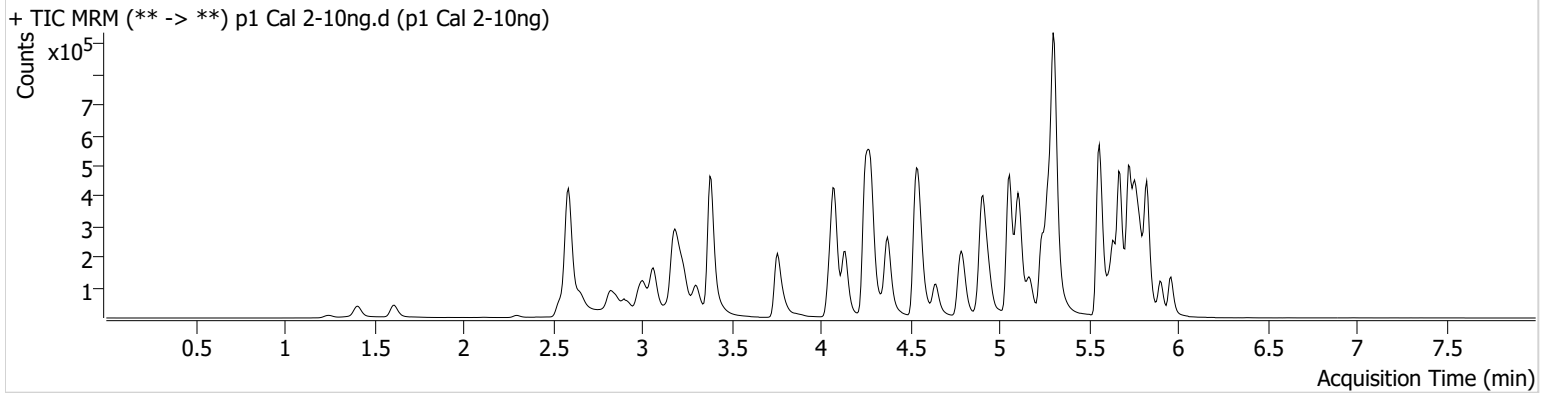


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 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>	Tamara Salazar
<b>Sample Position</b>	P2-B1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 1:59:12 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	1924	165.60	60.7	97.42	50373	0.9525 ng/ml
7-aminoclonazepam	4.270	36359	2841.75	75.5	773.19	135915	10.1588 ng/ml
a-hydroxyalprazolam	5.706	20077	470.64	67.5	338.12	239838	10.0279 ng/ml
alpha-PHP	4.949	36109	1361.23	268.7	1322.33	493076	9.8687 ng/ml
alpha-PVP	4.381	131526	9930.15	50.7	211.83	493076	9.9264 ng/ml
Alprazolam	5.782	66185	1514.38	107.8	379.47	239838	9.7021 ng/ml
Amphetamine	3.065	237300	4833.64	49.4	94.53	262653	9.6742 ng/ml
Benzoylecgonine	3.890	2868	83.57	7.1	991.17	9552	10.2158 ng/ml
Buprenorphine	5.853	3251	173.03	19.0	1019.15	116354	0.9382 ng/ml
Bupropion	4.800	133422	15735.99	69.5	2233.17	467593	9.9016 ng/ml
Carisoprodol	5.731	72889	66962.69	60.5	872.17	337103	10.5779 ng/ml
Citalopram	5.239	108650	567.77	34.8	1712.28	483082	10.0162 ng/ml
Clonazepam	5.619	70640	6819.18	33.7	435.91	93509	10.3705 ng/ml
Clonazepam	5.563	48336	85625.83	35.5	27108.81	93509	10.4016 ng/ml
Cocaine	4.283	84716	278915.29	58.2	183643.54	696916	10.0219 ng/ml
Codeine	2.594	10687	952.30	103.6	84954.33	51198	10.5143 ng/ml
Cyclobenzaprine	5.642	85617	92400.52	8.2	7639.05	359319	9.4991 ng/ml
Dextromethorphan	5.281	58594	179.15	84.0	2660.03	246910	9.8626 ng/ml
Dextrophan	4.137	36478	319.06	198.4	135498.09	373709	9.7983 ng/ml
Diazepam	5.960	42220	972.31	89.1	1469.55	191860	10.0005 ng/ml
Dihydrocodeine	2.573	24544	232.65	69.8	125.61	152620	9.7639 ng/ml
Diphenhydramine	5.309	272011	16957.49	32.0	6288.81	1702818	9.8173 ng/ml
Doxylamine	4.555	262239	4950.20	99.9	18031.24	1158358	9.8541 ng/ml
EDDP	5.274	97816	217.13	41.4	31302.14	524642	9.8572 ng/ml
Etizolam	5.827	30152	35079.83	27.3	9398.44	93509	9.8527 ng/ml
Fentanyl	5.116	9668	462.13	65.7	7600.44	514941	0.9970 ng/ml
Flualprazolam	5.712	26395	949.69	99.3	9369.56	239838	10.0082 ng/ml
Fluoxetine	5.728	106138	17515.10	7.9	13635.05	409417	9.6494 ng/ml
Hydrocodone	3.034	41603	283.43	37.1	590.96	226318	10.3814 ng/ml
Hydromorphone	1.621	30800	307.57	72.1	63.82	95089	9.7799 ng/ml
Ketamine	4.063	90940	5100.91	33.4	318.26	398880	9.9300 ng/ml
Lamotrigine	4.299	7875	674.10	88.7	81.11	398880	10.7055 ng/ml
Levetiracetam	2.658	38512	861.68	158.0	406.14	1102308	9.8174 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	64585	864.66	53.8	124.86	93509	10.3129 ng/ml
MDA	3.212	144148	1247.70	28.9	311.87	341178	10.5024 ng/ml
MDMA	3.306	88049	3077.73	88.1	1146.30	91410	9.8416 ng/ml
Meprobamate	4.910	40516	381.09	28.9	155.14	203160	10.5157 ng/ml
Methadone	5.673	164992	14002.79	60.1	4640.20	704032	10.2713 ng/ml
Methamphetamine	3.240	163102	345.72	39.3	160.02	645583	10.0634 ng/ml
Metoprolol	4.345	25992	20155.06	90.9	538.81	1022907	10.2135 ng/ml
Mirtazapine	4.643	171404	8835.47	53.6	1865.47	493076	9.7150 ng/ml
Mitragynine	5.249	37794	868.33	34.8	27015.91	704032	10.4070 ng/ml
Morphine	1.253	4355	1042.95	24.0	38.09	6163	10.0131 ng/ml
Norbuprenorphine	5.012	466	422.82	94.3	244.92	18378	0.9798 ng/ml
Nordiazepam	5.907	45727	1212.86	56.3	388.04	152493	9.8685 ng/ml
Norfentanyl	4.097	20577	1812.93	34.4	20.81	881569	0.9268 ng/ml
Norhydrocodone	3.082	6401	44.58	38.7	44.42	63016	9.0929 ng/ml
Noroxycodone	2.932	41387	1203.85	48.2	136.70	127656	9.6719 ng/ml
O-desmethyl-tramadol	3.386	207316	412.45	6.0	144.58	1075391	9.7758 ng/ml
Oxazepam	5.763	81721	216.26	74.2	1377.01	457672	9.9545 ng/ml
Oxycodone	2.850	76527	589.14	30.4	252.79	279181	10.2449 ng/ml
Oxymorphone	1.411	29611	833.26	47.8	43.87	96731	9.3474 ng/ml
Phentermine	3.794	53035	127.10	5.3	26.52	631470	10.2576 ng/ml
Promethazine	5.560	193708	355343.48	30.6	2818.56	844868	9.7432 ng/ml
Pseudoephedrine	2.597	219328	4960.88	16.5	2086.66	1102308	9.9228 ng/ml
Quetiapine	5.569	127685	181124.42	56.9	205296.10	173372	10.2667 ng/ml
Sertraline	5.796	30684	707.49	98.3	20406.35	135728	10.0169 ng/ml
Temazepam	5.831	125153	238.93	27.2	90.16	597222	10.0017 ng/ml
Tramadol	4.264	222341	757.40	3.4	58.60	1022907	10.0388 ng/ml
Trazodone	5.162	126435	1468.98	79.6	53952.92	517809	10.2430 ng/ml
Venlafaxine	5.056	180446	1637.68	33.0	206.38	988059	9.6216 ng/ml
Zolpidem	4.927	173692	1461.67	31.1	225.94	834535	10.1290 ng/ml

TS

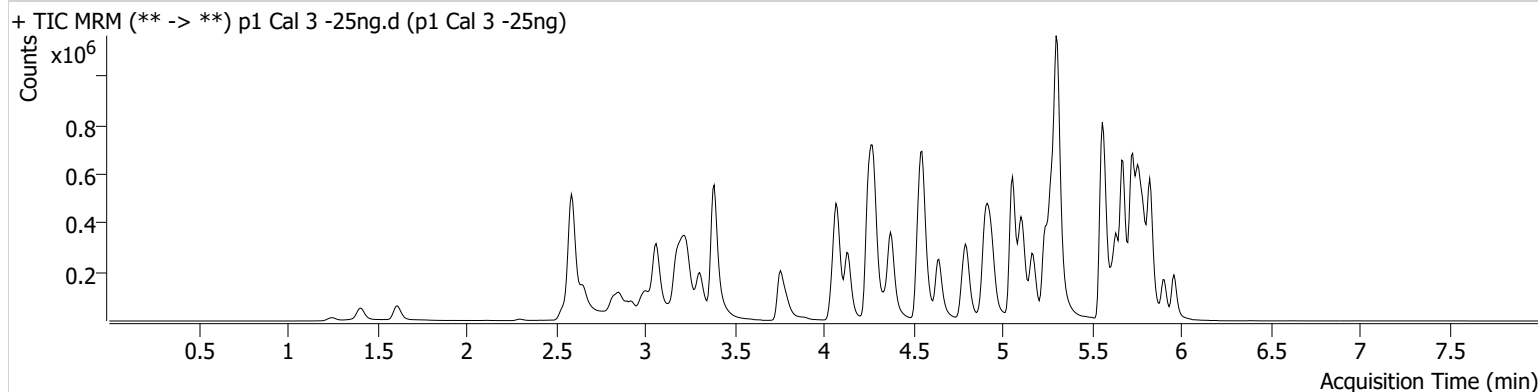


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 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>	Tamara Salazar
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 2:09:49 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	4848	96089.76	70.8	3480.81	47307	2.5679 ng/ml
7-aminoclonazepam	4.270	87902	2800.80	72.8	14527.10	128959	27.3267 ng/ml
a-hydroxyalprazolam	5.706	50077	264.94	64.1	299.35	230330	27.7516 ng/ml
alpha-PHP	4.949	88410	1700.61	261.4	987.77	476569	26.2485 ng/ml
alpha-PVP	4.381	319035	9675.49	50.1	1118.31	476569	24.6939 ng/ml
Alprazolam	5.782	157868	314.48	111.8	678.40	230330	24.1594 ng/ml
Amphetamine	3.065	603581	7485.93	46.0	1393.41	259405	28.3857 ng/ml
Benzoylecgonine	3.890	7006	15201.55	7.4	689.14	9198	25.4461 ng/ml
Buprenorphine	5.853	7650	20687.12	17.1	1566.04	113735	2.2339 ng/ml
Bupropion	4.800	328222	22002.29	68.6	380.31	449938	25.7543 ng/ml
Carisoprodol	5.737	172307	61971.50	63.0	286.61	323630	23.4186 ng/ml
Citalopram	5.239	263397	23393.01	32.8	1066.24	472076	24.8411 ng/ml
Clonazepam	5.619	168490	5551.07	34.5	3114.31	92429	25.8169 ng/ml
Clonazepam	5.563	114207	295514.51	35.2	49022.00	92429	26.6979 ng/ml
Cocaine	4.276	205972	307.78	57.4	7106.80	674056	25.2763 ng/ml
Codeine	2.594	24493	1912.09	103.3	158.80	49665	26.3476 ng/ml
Cyclobenzaprine	5.642	214502	9315.90	8.1	415.37	353684	23.3401 ng/ml
Dextromethorphan	5.281	143060	17667.28	84.1	2736.38	241418	24.7264 ng/ml
Dextrophan	4.137	89767	444.21	195.2	2124.11	365407	24.3539 ng/ml
Diazepam	5.960	103405	25863.57	89.6	628.20	185839	25.7717 ng/ml
Dihydrocodeine	2.573	61835	78092.07	63.6	63.92	147233	26.2091 ng/ml
Diphenhydramine	5.309	667618	17538.68	31.6	133.46	1655598	24.3208 ng/ml
Doxylamine	4.555	635289	62072.12	99.6	38452.61	1125620	24.6882 ng/ml
EDDP	5.274	236259	363.10	41.9	291.94	500320	24.6886 ng/ml
Etizolam	5.827	71762	143658.25	27.2	31719.03	92429	23.1318 ng/ml
Fentanyl	5.116	23782	90.96	65.9	28422.38	509543	2.4543 ng/ml
Flualprazolam	5.712	63504	1177.57	99.0	10913.35	230330	26.1390 ng/ml
Fluoxetine	5.728	269776	12586.08	7.8	226.09	408119	24.1633 ng/ml
Hydrocodone	3.034	101407	∞	34.9	231.17	222034	26.8882 ng/ml
Hydromorphone	1.615	75447	191562.72	70.0	1515.85	89737	25.3799 ng/ml
Ketamine	4.063	216153	516.34	35.4	947.88	380238	25.5486 ng/ml
Lamotrigine	4.292	17686	527.98	89.8	7663.46	380238	26.1749 ng/ml
Levetiracetam	2.658	92534	1566.58	158.0	2389.33	1044918	24.8374 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	150896	1539.96	52.5	265.83	92429	27.4937 ng/ml
MDA	3.212	342557	4813.84	28.9	568.73	330431	27.7538 ng/ml
MDMA	3.306	213003	3586.84	88.4	1977.46	88388	24.5444 ng/ml
Meprobamate	4.916	96745	3452.72	27.9	5430.94	202017	26.8523 ng/ml
Methadone	5.673	403162	1930.79	59.2	6668.11	696026	23.5518 ng/ml
Methamphetamine	3.240	392319	1400.00	39.2	807.00	631745	25.7124 ng/ml
Metoprolol	4.338	61998	111340.52	96.5	3524.33	1007016	25.9648 ng/ml
Mirtazapine	4.643	421266	98629.81	52.5	2818.22	476569	24.3522 ng/ml
Mitragynine	5.249	88676	2938.08	36.0	40532.56	696026	25.3008 ng/ml
Morphine	1.253	9192	593.93	28.7	19905.94	5614	24.2443 ng/ml
Norbuprenorphine	5.012	995	1672.54	109.1	3748.99	16646	2.4919 ng/ml
Nordiazepam	5.907	114355	972.04	54.0	3337.13	147530	26.1798 ng/ml
Norfentanyl	4.097	51699	4887.83	34.6	86.21	861737	2.3298 ng/ml
Norhydrocodone	3.082	16231	158.55	38.0	57.29	59452	22.3441 ng/ml
Noroxycodone	2.925	100252	125.46	47.4	1299.00	122435	24.2262 ng/ml
O-desmethyl-tramadol	3.386	505602	44880.20	5.9	2131.35	1036658	24.3933 ng/ml
Oxazepam	5.763	194667	387.83	73.5	1861.68	431342	25.6837 ng/ml
Oxycodone	2.850	186088	1247.89	29.9	1457.15	271815	26.6720 ng/ml
Oxymorphone	1.411	69446	476.97	47.4	1432.26	88022	24.7617 ng/ml
Phentermine	3.794	128942	410.70	5.1	257.63	618586	26.7868 ng/ml
Promethazine	5.560	476137	1242.35	29.7	3684.59	833903	23.9096 ng/ml
Pseudoephedrine	2.597	501852	11922.13	17.7	7847.47	1044918	23.4281 ng/ml
Quetiapine	5.569	312525	668359.37	57.4	276691.17	172257	26.6460 ng/ml
Sertraline	5.796	82886	8931.10	94.3	3955.89	144420	24.1327 ng/ml
Temazepam	5.831	300457	17593.72	27.8	766.75	573909	24.5910 ng/ml
Tramadol	4.257	541229	48376.59	3.3	129.13	1007016	25.5353 ng/ml
Trazodone	5.162	312384	138.08	79.1	25645.95	512679	26.5218 ng/ml
Venlafaxine	5.056	443473	1055.17	32.3	206.53	954251	24.0934 ng/ml
Zolpidem	4.927	427271	11227.96	30.7	3956.38	808225	26.8156 ng/ml



TS

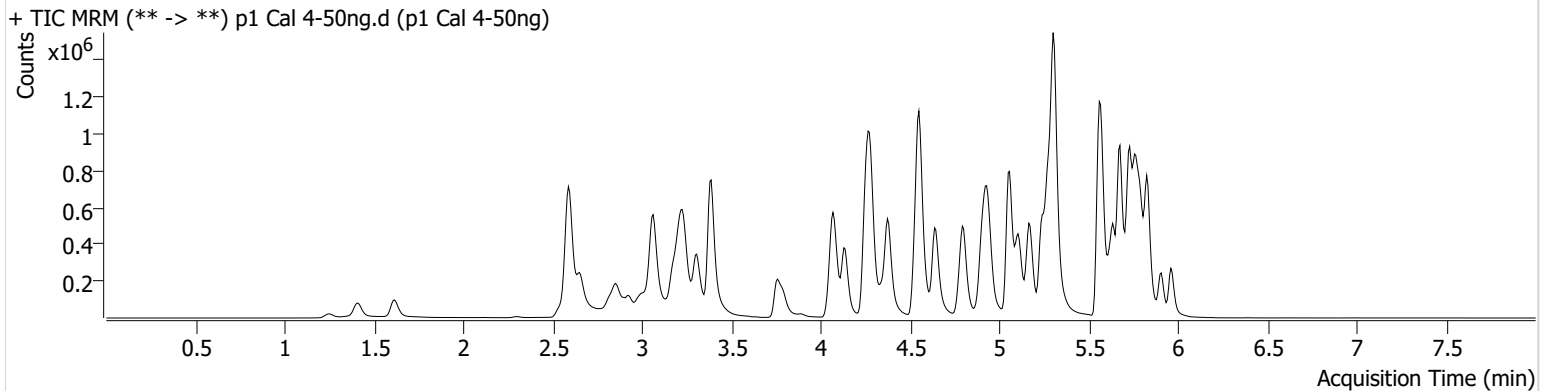


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 PM

**Instrument** Falco (069901) **Data File** p1 Cal 4-50ng.d  
**Type** Cal **Sample** p1 Cal 4-50ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-D1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 6/14/2022 2:20:25 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	9024	24745.22	69.4	5391.19	46396	4.8805 ng/ml
7-aminoclonazepam	4.270	165518	5672.34	72.2	6306.44	123370	54.6886 ng/ml
a-hydroxyalprazolam	5.706	90016	1093.30	65.6	3985.75	214527	54.5535 ng/ml
alpha-PHP	4.943	174133	628.70	258.2	32914.80	465874	53.7131 ng/ml
alpha-PVP	4.381	615193	28494.48	51.4	12415.22	465874	48.5700 ng/ml
Alprazolam	5.782	307080	4084.21	109.8	693.11	214527	50.5016 ng/ml
Amphetamine	3.065	1137410	772.23	46.3	4052.43	257490	55.8682 ng/ml
Benzoylecgonine	3.890	13428	405.30	7.7	90.11	8980	49.6613 ng/ml
Buprenorphine	5.853	16016	16155.21	15.9	4546.47	110878	4.7773 ng/ml
Bupropion	4.800	636044	622.32	69.1	9854.23	443512	50.9041 ng/ml
Carisoprodol	5.737	316193	554544.72	62.2	564.29	292206	45.7401 ng/ml
Citalopram	5.239	514154	10191.75	34.0	14911.21	457065	50.0780 ng/ml
Clonazepam	5.619	317061	9539.15	34.2	2285.92	87263	52.0147 ng/ml
Clonazepam	5.563	203444	143990.30	36.5	140334.59	87263	51.5434 ng/ml
Cocaine	4.276	394996	34493.41	58.2	60390.69	662799	49.3485 ng/ml
Codeine	2.594	47074	51.05	105.7	294.53	47974	53.5167 ng/ml
Cyclobenzaprine	5.642	419400	13301.01	8.2	5166.50	335175	47.5785 ng/ml
Dextromethorphan	5.281	276618	9782.14	83.0	36057.01	231229	49.9842 ng/ml
Dextrophan	4.137	172826	1127.38	200.1	862.92	358170	47.6408 ng/ml
Diazepam	5.960	198482	3200.32	89.9	8448.94	179758	51.4536 ng/ml
Dihydrocodeine	2.573	121147	175.84	66.8	2399.19	142311	53.5773 ng/ml
Diphenhydramine	5.309	1301898	15538.71	31.5	219.63	1624712	48.0297 ng/ml
Doxylamine	4.548	1271644	67102.51	99.6	109538.55	1102897	50.5212 ng/ml
EDDP	5.274	461838	16620.16	41.5	266.35	486290	49.4709 ng/ml
Etizolam	5.827	136948	4035.78	28.1	89697.53	87263	46.3281 ng/ml
Fentanyl	5.116	47083	30122.25	66.9	191.28	506986	4.8671 ng/ml
Flualprazolam	5.712	119616	5585.62	99.5	42423.48	214527	53.5867 ng/ml
Fluoxetine	5.728	489190	1172.47	7.9	116971.66	374991	47.4096 ng/ml
Hydrocodone	3.034	195580	∞	35.6	259.09	220376	52.9444 ng/ml
Hydromorphone	1.615	150506	424539.42	76.2	1885.01	89656	50.6713 ng/ml
Ketamine	4.063	429085	454.65	35.0	1216.00	374767	51.9925 ng/ml
Lamotrigine	4.292	34626	455.68	84.8	35915.69	374767	52.6871 ng/ml
Levetiracetam	2.658	177170	3118.08	158.9	6722.40	1018333	48.7671 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	269049	4451.89	51.4	1423.82	87263	53.9548 ng/ml
MDA	3.212	643892	1250.59	29.0	1513.54	312625	56.4854 ng/ml
MDMA	3.306	416946	3104.98	89.4	5007.92	86087	49.2766 ng/ml
Meprobamate	4.910	181427	12431.88	27.7	5723.34	193045	53.7967 ng/ml
Methadone	5.673	802798	23400.82	57.4	128941.08	658055	48.2244 ng/ml
Methamphetamine	3.233	772817	10393.25	39.2	4154.74	615679	52.6555 ng/ml
Metoprolol	4.338	121163	2868.68	96.4	616.36	979528	53.0317 ng/ml
Mirtazapine	4.636	830167	3428.72	52.7	4586.11	465874	48.8598 ng/ml
Mitragynine	5.249	171227	447684.00	36.8	3304.95	658055	52.1301 ng/ml
Morphine	1.253	20753	524.40	24.8	87.56	5858	53.3772 ng/ml
Norbuprenorphine	5.005	1973	3134.43	101.6	5596.60	16716	5.0503 ng/ml
Nordiazepam	5.907	214614	701.96	54.3	406.00	141222	51.7328 ng/ml
Norfentanyl	4.097	104048	256.68	34.1	1345.46	822445	4.8760 ng/ml
Norhydrocodone	3.082	28993	171.36	37.3	79.80	51300	44.9281 ng/ml
Noroxycodone	2.925	183634	347.59	47.6	871.26	114912	47.1549 ng/ml
O-desmethyl-tramadol	3.386	994340	21660.02	6.0	445.81	1021872	48.4468 ng/ml
Oxazepam	5.763	356312	18449.51	72.7	1202.36	384577	53.0883 ng/ml
Oxycodone	2.850	359110	330.06	29.7	1307.94	262250	54.0729 ng/ml
Oxymorphone	1.411	144654	∞	44.2	∞	86180	53.1598 ng/ml
Phentermine	3.794	253273	1629.21	5.1	476.67	604680	54.7303 ng/ml
Promethazine	5.560	923952	2473.21	30.9	1471.03	804033	47.8801 ng/ml
Pseudoephedrine	2.597	1025277	26081.94	17.3	4415.10	1018333	48.7070 ng/ml
Quetiapine	5.569	607124	1289890.10	57.3	308894.32	166454	54.5028 ng/ml
Sertraline	5.796	150315	14887.31	96.3	403574.20	129405	47.9797 ng/ml
Temazepam	5.831	561891	3966.10	27.0	1074.17	539173	48.6895 ng/ml
Tramadol	4.257	1069287	∞	3.4	168.36	979528	52.3640 ng/ml
Trazodone	5.162	610841	346713.12	81.2	303.79	508031	52.9612 ng/ml
Venlafaxine	5.056	882634	65075.63	32.2	383.06	949517	47.9386 ng/ml
Zolpidem	4.927	828667	1111941.06	30.6	142756.69	801937	53.0895 ng/ml

TS



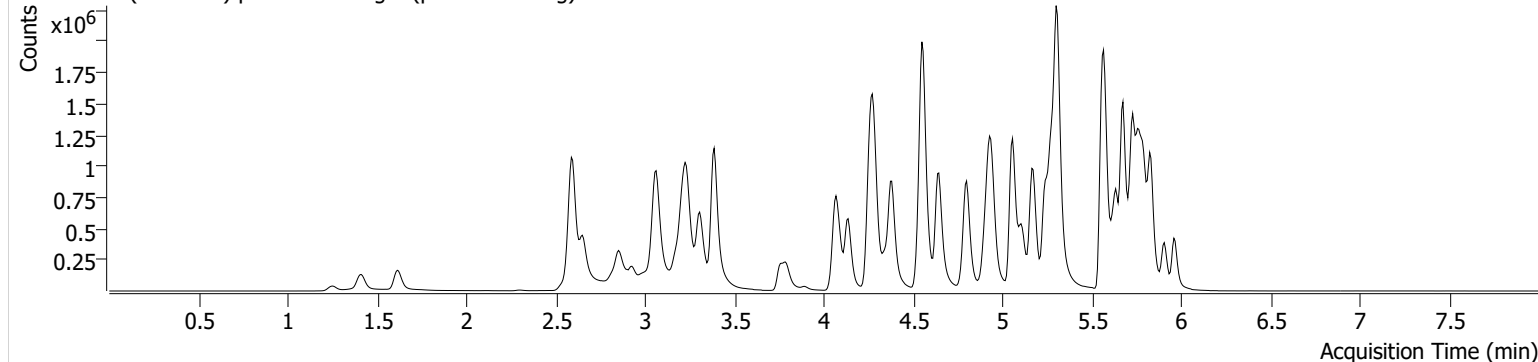
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 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>	Tamara Salazar
<b>Sample Position</b>	P2-E1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 2:31:02 AM		
<b>Sample Info.</b>			

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) p1 Cal 5-100ng.d (p1 Cal 5-100ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.154	18117	120118.96	71.6	15539.26	46840	9.7125 ng/ml
7-aminoclonazepam	4.270	311345	1931.77	72.5	5911.43	121828	105.0157 ng/ml
a-hydroxyalprazolam	5.706	155972	2962.39	65.3	1533.45	203806	100.3779 ng/ml
alpha-PHP	4.949	330523	3577.46	258.7	7084.75	462173	103.5140 ng/ml
alpha-PVP	4.381	1228763	44671.53	51.3	8421.01	462173	97.6424 ng/ml
Alprazolam	5.782	580085	4208.87	110.2	1025.69	203806	100.4595 ng/ml
Amphetamine	3.065	2090194	812.16	46.4	21491.20	250246	107.6025 ng/ml
Benzoylcegonine	3.890	27640	714.67	7.5	332.46	9584	95.4965 ng/ml
Buprenorphine	5.853	31368	319.43	15.6	6048.29	107951	9.5925 ng/ml
Bupropion	4.800	1273672	106570.47	69.0	2942.64	447349	101.3394 ng/ml
Carisoprodol	5.737	553358	1721330.07	61.4	383.56	255564	89.7260 ng/ml
Citalopram	5.239	984396	20117.37	34.3	3156.78	443536	98.7989 ng/ml
Clonazepam	5.619	566985	1462.60	34.9	394463.09	80272	101.6462 ng/ml
Clonazepam	5.563	360036	503237.03	37.0	120889.45	80272	100.3800 ng/ml
Cocaine	4.283	770705	596.92	58.0	842.52	642369	99.4055 ng/ml
Codeine	2.594	89156	103.67	102.9	172973.88	46199	106.3211 ng/ml
Cyclobenzaprine	5.642	826246	53291.63	8.1	946.26	326013	95.8114 ng/ml
Dextromethorphan	5.281	529208	23863.16	82.9	561.56	218972	101.0463 ng/ml
Dextrophan	4.137	342230	832.93	200.3	19879.96	345632	97.5483 ng/ml
Diazepam	5.960	376781	9304.51	89.3	455.31	176377	99.8445 ng/ml
Dihydrocodeine	2.566	235727	131.01	67.5	8329.19	142505	104.5242 ng/ml
Diphenhydramine	5.309	2539330	49582.76	31.8	35718.54	1566829	96.8322 ng/ml
Doxylamine	4.548	2545410	64697.56	97.0	4165.06	1106106	100.9145 ng/ml
EDDP	5.274	852233	658.39	42.0	7020.94	452842	97.8543 ng/ml
Etizolam	5.827	262966	12048.72	27.4	155273.51	80272	96.2496 ng/ml
Fentanyl	5.116	96244	398.52	67.0	151018.34	514220	9.7924 ng/ml
Flualprazolam	5.712	222354	14775.13	102.6	6404.71	203806	105.5303 ng/ml
Fluoxetine	5.728	959121	37969.23	7.9	7234.34	358850	96.8352 ng/ml
Hydrocodone	3.034	365501	1708.10	37.4	199.41	214776	102.1997 ng/ml
Hydromorphone	1.615	293751	1127.82	77.6	466264.92	88040	100.7100 ng/ml
Ketamine	4.063	846872	39264.73	34.3	678.63	375743	102.8615 ng/ml
Lamotrigine	4.299	66325	7978.62	88.5	86544.74	375743	101.2984 ng/ml
Levetiracetam	2.651	350996	6662.05	160.8	754.43	983448	100.0091 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	423667	15276.56	52.9	1640.81	80272	93.9888 ng/ml
MDA	3.212	1165526	1736.48	28.6	2919.60	297784	108.5701 ng/ml
MDMA	3.306	819377	2751.41	88.9	3414.31	83914	99.2931 ng/ml
Meprobamate	4.910	315898	289922.00	28.2	332.92	182057	100.2904 ng/ml
Methadone	5.673	1552145	1469.93	59.2	3323.49	655716	92.3980 ng/ml
Methamphetamine	3.233	1526287	729.18	39.0	1593.60	617237	104.3797 ng/ml
Metoprolol	4.345	232510	189418.66	96.7	11244.66	988331	101.6333 ng/ml
Mirtazapine	4.643	1628445	5083.03	52.7	7383.02	462173	96.3875 ng/ml
Mitragynine	5.249	330836	771.46	36.4	1138.68	655716	101.4941 ng/ml
Morphine	1.253	39290	157.51	26.6	1214.05	5806	102.6686 ng/ml
Norbuprenorphine	5.012	4043	6301.03	92.4	8452.56	17098	10.2531 ng/ml
Nordiazepam	5.907	402581	17096.81	55.5	2442.56	133763	102.8676 ng/ml
Norfentanyl	4.097	200199	219.17	35.8	111.02	804037	9.5644 ng/ml
Norhydrocodone	3.082	53755	101.50	38.6	184.31	46282	91.0255 ng/ml
Noroxycodone	2.925	341534	10103.64	47.7	12529.92	105024	95.8222 ng/ml
O-desmethyl-tramadol	3.386	1999474	35950.32	5.9	333.43	1003870	98.9349 ng/ml
Oxazepam	5.763	593287	∞	73.7	2556.08	331680	102.8128 ng/ml
Oxycodone	2.850	688059	3817.31	30.4	729.92	257665	106.1361 ng/ml
Oxymorphone	1.411	270149	∞	46.6	∞	87880	97.7117 ng/ml
Phentermine	3.794	479686	2807.83	5.0	1069.91	603087	104.7360 ng/ml
Promethazine	5.560	1870631	4494.03	30.2	315.68	791518	98.2197 ng/ml
Pseudoephedrine	2.597	1994787	40671.74	17.1	50874.20	983448	97.7505 ng/ml
Quetiapine	5.569	1134714	51957.53	59.9	112616.40	165123	103.5047 ng/ml
Sertraline	5.796	302959	5401.80	96.3	19059.84	132339	93.7408 ng/ml
Temazepam	5.831	1025169	59296.93	27.2	2808.45	473583	100.8528 ng/ml
Tramadol	4.257	2065841	∞	3.4	198.25	988331	100.7078 ng/ml
Trazodone	5.162	1217008	1645.90	81.9	3619.76	512514	105.2210 ng/ml
Venlafaxine	5.056	1745692	107259.64	32.3	2181.71	928493	96.7020 ng/ml
Zolpidem	4.927	1621481	3128.02	30.6	35735.03	795774	105.3731 ng/ml

TS



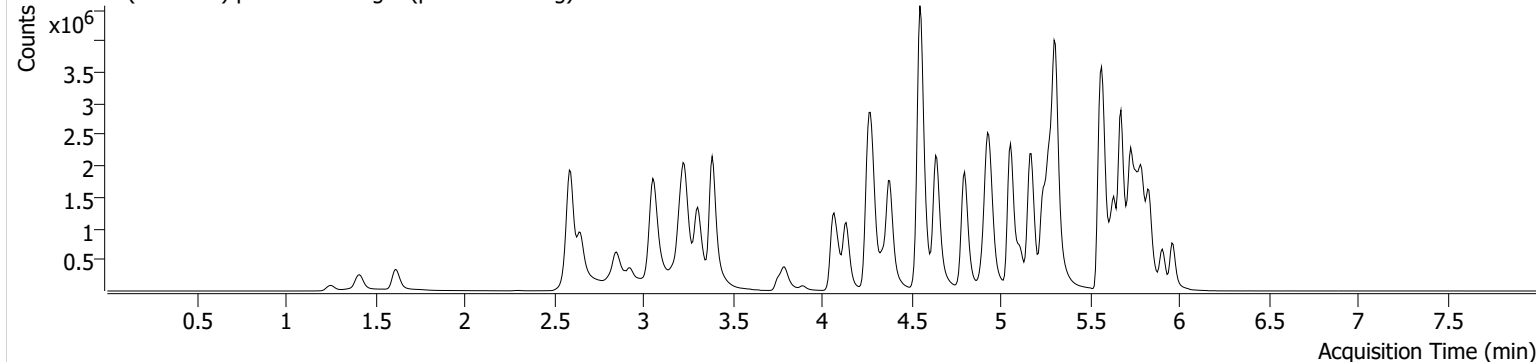
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 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>	Tamara Salazar
<b>Sample Position</b>	P2-F1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 2:41:38 AM		
<b>Sample Info.</b>			

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) p1 Cal 6-250ng.d (p1 Cal 6-250ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	43716	12590.22	70.8	14563.93	43770	25.0920 ng/ml
7-aminoclonazepam	4.270	564022	12617.14	75.7	518.45	100976	230.6339 ng/ml
a-hydroxyalprazolam	5.699	256352	854.51	69.1	423.88	164618	205.3576 ng/ml
alpha-PHP	4.949	717218	55824.22	259.6	14381.72	414711	251.4825 ng/ml
alpha-PVP	4.381	2832132	85638.98	51.0	30922.43	414711	250.5826 ng/ml
Alprazolam	5.782	1214042	9643.12	107.4	787.06	164618	260.3655 ng/ml
Amphetamine	3.058	4206233	1558.34	47.5	752.12	233470	234.6434 ng/ml
Benzoylcegonine	3.890	72164	174.12	7.9	120.09	9438	252.6815 ng/ml
Buprenorphine	5.853	73810	108064.66	15.2	13371.63	91410	26.6246 ng/ml
Bupropion	4.800	3011495	198490.26	68.6	28442.29	429285	250.1052 ng/ml
Carisoprodol	5.737	960252	329.64	62.3	279.82	170238	230.8590 ng/ml
Citalopram	5.239	2122584	39226.56	33.8	23338.07	370037	255.3400 ng/ml
Clonazepam	5.619	1072495	24357.30	34.6	10033.09	62254	248.7276 ng/ml
Clonazepam	5.563	615909	3017.62	37.8	301300.26	62254	223.0095 ng/ml
Cocaine	4.276	1697714	228185.61	57.9	28384.32	563761	249.5867 ng/ml
Codeine	2.587	182486	4898.27	106.4	75394.92	40065	252.4378 ng/ml
Cyclobenzaprine	5.642	1853671	80806.00	7.6	35803.88	271505	257.1865 ng/ml
Dextromethorphan	5.281	1095501	156488.83	83.0	75792.21	182886	250.5437 ng/ml
Dextrophan	4.137	791248	36162.08	198.6	168480.27	309402	251.6251 ng/ml
Diazepam	5.967	810809	5829.18	90.1	14027.41	149687	253.6557 ng/ml
Dihydrocodeine	2.566	536915	8501.14	68.7	4802.37	138750	245.1082 ng/ml
Diphenhydramine	5.309	5722210	157390.74	30.9	35224.32	1345687	253.5714 ng/ml
Doxylamine	4.548	6290480	11635.24	97.1	9776.92	1062764	259.6896 ng/ml
EDDP	5.274	1887432	50833.49	41.4	27481.14	395202	248.0470 ng/ml
Etizolam	5.827	560586	4567.43	27.4	259647.44	62254	263.8341 ng/ml
Fentanyl	5.116	237866	16612.31	67.4	930.76	497714	24.9788 ng/ml
Flualprazolam	5.712	444082	23979.65	102.8	691457.27	164618	261.9794 ng/ml
Fluoxetine	5.728	1894745	179288.07	8.0	144244.26	276094	248.1911 ng/ml
Hydrocodone	3.034	803446	1072.58	38.4	146.73	197310	245.5701 ng/ml
Hydromorphone	1.621	676250	4285801.16	78.0	2530824.79	81354	250.8959 ng/ml
Ketamine	4.063	1978760	100024.83	34.1	12715.39	354576	255.4679 ng/ml
Lamotrigine	4.299	132924	1516.45	91.3	33275.63	354576	215.9246 ng/ml
Levetiracetam	2.651	782252	5117.53	161.1	617.66	847774	258.5083 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	569227	45075.56	53.8	1535.95	62254	164.5042 ng/ml
MDA	3.205	2268657	3549.83	28.3	2500.73	250534	252.9768 ng/ml
MDMA	3.306	1853184	51717.15	89.4	10797.06	75633	249.0811 ng/ml
Meprobamate	4.910	590451	1097544.72	27.9	6598.88	163346	210.1640 ng/ml
Methadone	5.673	3507721	110046.71	57.9	1273.74	565852	239.9548 ng/ml
Methamphetamine	3.233	3550593	1692.72	38.6	1483.23	605028	248.6372 ng/ml
Metoprolol	4.338	509828	1542.34	98.1	12741.66	917314	241.2725 ng/ml
Mirtazapine	4.636	3829049	2192.31	51.9	6912.10	414711	252.2101 ng/ml
Mitragynine	5.249	681503	44109.79	37.2	2608.81	565852	242.8833 ng/ml
Morphine	1.253	96332	79.64	26.1	1610.56	5707	257.2754 ng/ml
Norbuprenorphine	5.012	9467	11897.85	95.0	17381.95	16475	25.1122 ng/ml
Nordiazepam	5.907	807843	2282.89	55.3	14456.87	107054	258.5587 ng/ml
Norfentanyl	4.097	475064	396.54	35.8	100.91	706335	25.7787 ng/ml
Norhydrocodone	3.082	127569	395.02	37.9	250.42	38675	256.2234 ng/ml
Noroxycodone	2.925	691389	2087.57	46.7	1216.41	85608	237.7775 ng/ml
O-desmethyl-tramadol	3.386	4743778	180885.43	5.9	899.99	941658	249.8931 ng/ml
Oxazepam	5.763	891564	227.68	74.4	17085.94	207408	247.5561 ng/ml
Oxycodone	2.843	1562709	1284.36	30.2	506.00	243334	256.2694 ng/ml
Oxymorphone	1.411	613926	∞	46.2	∞	76857	254.5815 ng/ml
Phentermine	3.794	1047520	2363.79	4.9	613.51	570703	242.8696 ng/ml
Promethazine	5.560	4222882	11889.80	29.7	29735.61	686521	255.2577 ng/ml
Pseudoephedrine	2.597	4489475	421.59	16.9	56431.37	847774	254.6085 ng/ml
Quetiapine	5.569	2348365	3084.88	62.0	93655.64	143792	247.2609 ng/ml
Sertraline	5.796	642089	28238.76	92.5	22293.61	106926	244.5246 ng/ml
Temazepam	5.831	1776512	23998.24	27.4	318.69	332837	248.2839 ng/ml
Tramadol	4.257	4697365	∞	3.3	447.25	917314	247.4222 ng/ml
Trazodone	5.162	2864550	786.35	81.7	155498.15	500766	254.3811 ng/ml
Venlafaxine	5.056	4195722	16164.98	31.1	21305.73	841523	256.0231 ng/ml
Zolpidem	4.927	3725462	32725.38	29.0	13287.24	750708	257.6494 ng/ml

# AM #28 Multi-Drug Quant. Results

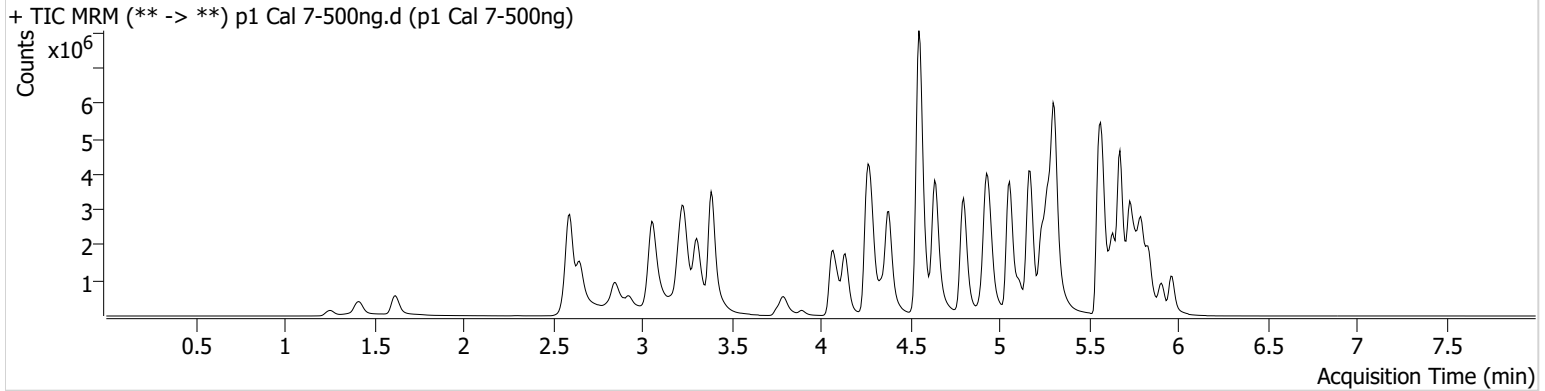
TS



**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 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>	Tamara Salazar
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 2:52:15 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	82444	5793.54	70.3	2574.16	40422	51.2485 ng/ml
7-aminoclonazepam	4.270	772361	5572.60	72.5	812.41	74296	430.0381 ng/ml
a-hydroxyalprazolam	5.699	302355	975.12	68.2	1018.82	128251	311.4398 ng/ml
alpha-PHP	4.949	1216380	93692.97	256.9	15739.10	366393	483.5015 ng/ml
alpha-PVP	4.381	5085127	48479.66	51.3	3782.80	366393	509.1087 ng/ml
Alprazolam	5.782	1827970	1977.38	106.1	817.20	128251	503.2325 ng/ml
Amphetamine	3.058	6479761	474.05	47.1	321.47	213415	396.9506 ng/ml
Benzoylecgonine	3.890	144599	6215.24	8.3	1263.11	10036	475.9030 ng/ml
Buprenorphine	5.853	143483	149257.26	16.0	45442.07	83525	56.6227 ng/ml
Bupropion	4.800	5561491	127672.62	67.9	81331.79	395716	501.3494 ng/ml
Carisoprodol	5.737	1201085	216.31	59.5	927.21	99929	489.8926 ng/ml
Citalopram	5.232	3444027	∞	34.6	18165.41	305431	501.9372 ng/ml
Clonazepam	5.619	1469337	30363.91	34.4	1586.90	46800	453.7466 ng/ml
Clonazepam	5.556	728229	558202.84	37.6	141939.73	46800	351.5046 ng/ml
Cocaine	4.283	2806008	82209.18	58.0	45741.32	462451	502.9480 ng/ml
Codeine	2.594	297400	3907.90	99.4	11989.24	35980	459.0192 ng/ml
Cyclobenzaprine	5.642	3219876	1670.49	7.6	15443.83	230996	524.5178 ng/ml
Dextromethorphan	5.281	1747551	56311.32	82.1	45788.46	147696	494.9578 ng/ml
Dextrophan	4.137	1402129	96867.41	199.6	86269.02	270916	509.0269 ng/ml
Diazepam	5.967	1326136	15867.64	89.0	349.01	126283	492.0577 ng/ml
Dihydrocodeine	2.566	927146	5297.46	69.0	6255.21	133008	441.8783 ng/ml
Diphenhydramine	5.309	9708718	98255.48	31.1	124937.75	1108779	521.8320 ng/ml
Doxylamine	4.548	11694292	207371.10	97.0	288864.98	990426	518.1167 ng/ml
EDDP	5.274	3466192	57048.23	41.2	2689.39	358326	502.2216 ng/ml
Etizolam	5.827	891886	1283.17	27.6	333010.16	46800	557.8983 ng/ml
Fentanyl	5.116	484915	29650.53	66.3	1024509.18	500186	50.6534 ng/ml
Flualprazolam	5.712	626899	22221.76	106.7	2975.30	128251	475.2734 ng/ml
Fluoxetine	5.728	3307664	37753.10	7.9	119110.86	232453	514.3056 ng/ml
Hydrocodone	3.034	1403953	201.83	39.2	1245.82	179217	473.1166 ng/ml
Hydromorphone	1.621	1215534	9648180.08	77.5	2422460.70	73739	497.5428 ng/ml
Ketamine	4.063	3504831	715.94	33.7	507.26	327692	490.0990 ng/ml
Lamotrigine	4.299	197628	8929.51	92.6	4036.77	327692	347.7997 ng/ml
Levetiracetam	2.651	1327010	7708.74	160.6	7710.54	723418	513.8868 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	596614	24282.35	52.6	1576.46	46800	230.2556 ng/ml
MDA	3.205	3066558	2689.78	29.3	6332.39	199845	429.6295 ng/ml
MDMA	3.306	3274441	29374.29	88.9	9245.78	66766	498.5014 ng/ml
Meprobamate	4.910	795920	19379.02	27.8	11217.56	139480	332.4339 ng/ml
Methadone	5.673	6284387	164918.10	55.9	1023.89	496094	489.0485 ng/ml
Methamphetamine	3.233	6195138	135425.10	38.1	1159.69	591294	444.4291 ng/ml
Metoprolol	4.345	812408	116447.09	99.7	5841.17	766485	460.8982 ng/ml
Mirtazapine	4.636	6978025	165646.16	51.4	19296.66	366393	519.9960 ng/ml
Mitragynine	5.249	1169885	1175.16	37.0	440333.57	496094	475.9868 ng/ml
Morphine	1.253	179604	410.87	26.1	421.13	5531	495.7133 ng/ml
Norbuprenorphine	5.012	18231	3869.07	90.2	558.23	16350	48.8571 ng/ml
Nordiazepam	5.907	1214284	2709.96	55.4	644.00	83545	498.3933 ng/ml
Norfentanyl	4.097	863417	538.54	36.0	15571.88	587655	56.2748 ng/ml
Norhydrocodone	3.082	236809	∞	39.7	1387.24	33110	554.1166 ng/ml
Noroxycodone	2.925	1037988	842.24	47.5	8880.19	51053	598.3985 ng/ml
O-desmethyl-tramadol	3.386	8765019	117415.12	5.8	5419.13	846738	513.2508 ng/ml
Oxazepam	5.763	927783	24708.95	73.4	4872.14	111625	478.9834 ng/ml
Oxycodone	2.843	2624304	∞	30.1	11727.15	223034	470.1340 ng/ml
Oxymorphone	1.411	1087582	∞	46.3	∞	68334	507.6686 ng/ml
Phentermine	3.794	1669997	∞	5.0	841.58	535841	413.0085 ng/ml
Promethazine	5.552	7871018	4155.75	29.5	40172.44	629227	518.8499 ng/ml
Pseudoephedrine	2.597	7667054	113450.20	16.6	23018.31	723418	509.1907 ng/ml
Quetiapine	5.575	3799654	713.47	60.5	202233.45	121191	475.5285 ng/ml
Sertraline	5.796	1183356	73349.02	95.6	69388.37	97201	494.8736 ng/ml
Temazepam	5.831	2325449	38546.67	26.9	7644.58	216694	498.9294 ng/ml
Tramadol	4.257	8073472	128340.41	3.2	1835.65	766485	509.4427 ng/ml
Trazodone	5.162	5458391	1500.01	81.3	135451.90	509189	477.2657 ng/ml
Venlafaxine	5.056	7577930	164070.27	30.6	1302.45	749572	518.8695 ng/ml
Zolpidem	4.927	6464264	253402.48	28.1	2813.06	699725	480.2446 ng/ml



TS

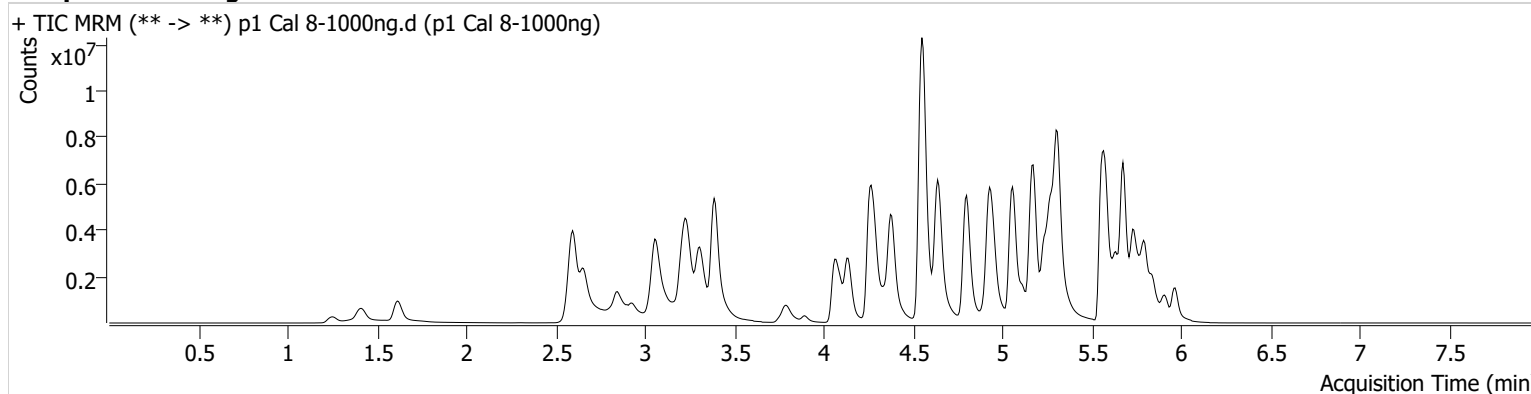


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\AM 27-28\061322 AM 27 28 P1 and P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 6/17/2022 1:53:47 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>	Tamara Salazar
<b>Sample Position</b>	P2-H1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/14/2022 3:02:51 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	155187	1665.86	69.9	171559.62	38135	102.2603 ng/ml
7-aminoclonazepam	4.270	728365	2440.63	72.4	6756.73	45371	664.5978 ng/ml
a-hydroxyalprazolam	5.699	315097	1770.05	67.3	765.31	90807	458.9012 ng/ml
alpha-PHP	4.949	1919731	19032.58	261.9	76521.07	313429	892.7124 ng/ml
alpha-PVP	4.381	8900326	60723.12	50.8	42092.10	313429	1041.5003 ng/ml
Alprazolam	5.782	2523667	434.15	106.3	369.40	90807	981.2717 ng/ml
Amphetamine	3.065	9204253	164.19	46.9	164.79	178820	674.4700 ng/ml
Benzoylcegonine	3.890	294659	14832.23	8.0	147.68	9488	1025.4738 ng/ml
Buprenorphine	5.853	292461	2481.41	15.5	52385.75	71129	135.5040 ng/ml
Bupropion	4.800	9878119	329438.77	67.4	141857.21	371630	948.4450 ng/ml
Carisoprodol	5.737	1298000	28948.59	61.1	11575.41	50598	1043.5527 ng/ml
Citalopram	5.232	4962182	50194.64	33.8	50052.91	223237	989.4624 ng/ml
Clonazepam	5.612	1551572	9240.09	34.6	37683.70	29963	748.7519 ng/ml
Clonazepam	5.556	711729	424290.28	38.3	504.63	29963	537.2819 ng/ml
Cocaine	4.283	4452635	104475.06	57.7	70479.23	367908	1003.2339 ng/ml
Codeine	2.594	452903	10688.72	97.7	6117.27	28653	878.7897 ng/ml
Cyclobenzaprine	5.642	4707376	463.74	7.4	727.37	163134	1085.2474 ng/ml
Dextromethorphan	5.281	2394791	103034.12	80.5	3535.43	98813	1013.8899 ng/ml
Dextrophan	4.137	2459736	60186.52	199.8	3493.13	225493	1072.6346 ng/ml
Diazepam	5.967	1952081	∞	90.0	8613.05	96135	951.7519 ng/ml
Dihydrocodeine	2.566	1500382	22307.85	71.0	22500.18	127595	745.7224 ng/ml
Diphenhydramine	5.309	14833669	147128.99	31.6	140352.66	850267	1039.3970 ng/ml
Doxylamine	4.548	20003865	28984.44	96.7	369686.94	949049	924.9768 ng/ml
EDDP	5.274	6545643	72173.69	40.8	114991.70	323435	1050.5223 ng/ml
Etizolam	5.827	1306925	38191.97	27.4	342302.78	29963	1276.3638 ng/ml
Fentanyl	5.116	981641	54407.27	66.2	5905.20	489376	104.7881 ng/ml
Flualprazolam	5.712	790782	23008.31	109.8	2777.68	90807	847.2791 ng/ml
Fluoxetine	5.728	4535271	134955.05	7.4	639565.58	148940	1100.2668 ng/ml
Hydrocodone	3.027	2456020	225.63	37.1	293.18	161914	916.7901 ng/ml
Hydromorphone	1.615	2248609	4591514.62	77.9	8357284.48	69164	981.2790 ng/ml
Ketamine	4.063	5982203	48764.27	33.1	1139.41	297893	920.6667 ng/ml
Lamotrigine	4.299	252044	949.51	91.2	26356.01	297893	488.2179 ng/ml
Levetiracetam	2.658	2004616	10591.62	165.4	26365.66	575688	975.4717 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.754	603983	34205.70	53.6	676.53	29963	365.4147 ng/ml
MDA	3.199	4059377	52030.66	27.1	3279.56	139607	815.3450 ng/ml
MDMA	3.306	5334552	81965.47	89.9	84774.04	51685	1049.0505 ng/ml
Meprobamate	4.903	971855	30699.85	27.6	31795.37	117172	483.7172 ng/ml
Methadone	5.673	10291477	717.81	55.6	33217.79	384966	1030.6826 ng/ml
Methamphetamine	3.233	10238006	76282.66	37.1	127738.94	580662	748.3630 ng/ml
Metoprolol	4.338	1193906	4278771.29	99.3	3808.40	680575	763.3933 ng/ml
Mirtazapine	4.636	11961772	83611.70	51.1	96806.18	313429	1041.7784 ng/ml
Mitragynine	5.243	1892785	2973.76	37.1	50611.48	384966	992.8928 ng/ml
Morphine	1.253	341330	∞	25.5	1887.70	5686	916.9380 ng/ml
Norbuprenorphine	5.012	34841	364.30	92.3	42532.58	15320	99.7819 ng/ml
Nordiazepam	5.907	1516087	2382.29	59.4	293.53	59138	879.4163 ng/ml
Norfentanyl	4.097	1460510	49815.82	36.5	7528.37	436462	128.1237 ng/ml
Norhydrocodone	3.082	426497	905.08	40.5	∞	28059	1176.2302 ng/ml
Noroxycodone	2.925	1478538	2722.29	47.7	8649.47	44172	985.0758 ng/ml
O-desmethyl-tramadol	3.386	15286382	∞	5.8	24484.72	726455	1043.1013 ng/ml
Oxazepam	5.763	854922	7751.87	73.5	∞	51932	949.0253 ng/ml
Oxycodone	2.836	4239120	1036.49	30.1	566.69	202646	836.3891 ng/ml
Oxymorphone	1.411	1880700	∞	46.6	∞	61753	971.8332 ng/ml
Phentermine	3.794	2664186	∞	5.0	3792.86	508868	694.4167 ng/ml
Promethazine	5.552	12611078	72806.71	28.7	56135.97	500396	1045.0972 ng/ml
Pseudoephedrine	2.597	12740459	231657.55	16.6	65284.85	575688	1062.8570 ng/ml
Quetiapine	5.575	5609084	1098975.52	59.9	716593.82	96956	878.2304 ng/ml
Sertraline	5.796	1625326	21413.39	90.4	55188.76	64780	1018.9859 ng/ml
Temazepam	5.837	2545171	49647.09	27.3	9482.05	117892	1003.4547 ng/ml
Tramadol	4.257	12977788	∞	3.3	52583.10	680575	922.6744 ng/ml
Trazodone	5.162	9584410	216819.36	81.0	99614.57	494522	863.4079 ng/ml
Venlafaxine	5.056	13120836	7057.47	30.1	8127.60	637742	1055.6723 ng/ml
Zolpidem	4.920	10446550	2411.51	28.2	221042.35	649133	837.1091 ng/ml