







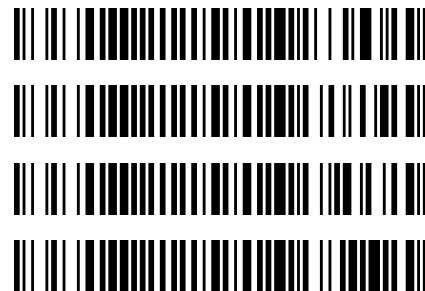
Worklist: 6824

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-1913	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0584	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1224	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1316	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1319	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1330	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1332	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1348	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1368	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1368	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1368	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1368	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1404	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1430	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1435	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1436	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1452	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1494	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1501	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1502	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1525	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 6824**

TS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2024-1527	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-1531	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-1532	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-1533	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



TS

5/28/2024

**Worklist: 6825**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2024-1368	2	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ



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

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Extraction Date: 05/28/2024  
Panel 1 Plate lot#: 231215  
Panel 2 Plate lot#: 201207  
Mobile phase A: 5mM Amm Form + 0.01% FA  
Blank Blood Lot: Lampire 23A52595  
Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

Analyst: Tamara Salazar  
Panel 1 Plate Retest Date: 06/15/2024  
Panel 2 Plate Retest Date: 06/07/2021—ok with external control  
Mobile phase B: 0.01% Formic Acid in MeOH  
Blank Urine Lot: N/A  
LCMS-QQQ ID: 069901

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. **Urine Hydrolysis: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.**
- 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate. Pipette ID: 42
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **200-450µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate. *Transferred: 250uL*
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right)**
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.
- 17. Reconstitute in 100µL 20% LC MeOH and heat seal plate with foil. Place in autosampler and run worklist.

## 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:

Panel 1:

Amphetamine: 5-250 -- calibrators 7 & 8 dropped due to accuracy  
Clonazepam: 5-500 -- calibrator 8 dropped due to accuracy  
Clonazepam: 5-250 -- calibrators 7 & 8 dropped due to accuracy  
Dihydrocodeine: 5-500 -- calibrator 8 dropped due to accuracy  
Etizolam: 5-500 -- calibrator 8 dropped due to accuracy  
Ketamine: 5-500 -- calibrator 8 dropped due to accuracy

TS

Lamotrigine: 5-500 -- calibrator 8 dropped due to accuracy  
Meprobamate: 5-250 -- calibrators 7 & 8 dropped due to accuracy  
Norfentanyl: 0.5-50 -- calibrator 8 dropped due to accuracy  
Phentermine: 5-500 -- calibrator 8 dropped due to accuracy  
Trazodone: 5-500 -- calibrator 8 dropped due to accuracy

Panel 2: -- External control with plate due to the plate being beyond the retest date.

*Compounds evaluated:*

Amitriptyline

Doxepin

Flurazepam: 5-500--calibrator 8 dropped due to accuracy

Panel 1 Analytical Plate Map

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	P2024-1224-3	P2024-1368-3	P2024-1501-1							IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	P2024-1316-1	P2024-1368-4	P2024-1502-1							IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	P2024-1319-2	P2024-1404-1	P2024-1525-1							IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	P2024-1330-1	P2024-1430-1	P2024-1527-1						IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	P2024-1332-1	P2024-1435-1	P2024-1531-1						IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Neg Blood	P2024-1348-3	P2024-1436-1	P2024-1532-1						IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2024-1913-1	P2024-1368-1	P2024-1452-1	P2024-1533-1						IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	P2024-0584-2	P2024-1368-2	P2024-1494-1							IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

SLE Plate Map

TS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	P2024-1224-3	P2024-1368-3	P2024-1501-1	IS + Cal. 1	IS + QC_1					
B	IS + Cal. 2	IS + QC_2	P2024-1316-1	P2024-1368-4	P2024-1502-1	IS + Cal. 2	IS + QC_2					
C	IS + Cal. 3	IS + QC_3	P2024-1319-2	P2024-1404-1	P2024-1525-1	IS + Cal. 3	IS + QC_3					
D	IS + Cal. 4	IS + QC_4	P2024-1330-1	P2024-1430-1	P2024-1527-1	IS + Cal. 4	IS + QC_4					
E	IS + Cal. 5	IS + QC_2	P2024-1332-1	P2024-1435-1	P2024-1531-1	IS + Cal. 5	Neg Blood					
F	IS + Cal. 6	Neg Blood	P2024-1348-3	P2024-1436-1	P2024-1532-1	IS + Cal. 6	External Control					
G	IS + Cal. 7	M2024-1913-1	P2024-1368-1	P2024-1452-1	P2024-1533-1	IS + Cal. 7	P2024-1368-2					
H	IS + Cal. 8	P2024-0584-2	P2024-1368-2	P2024-1494-1		IS + Cal. 8						

Panel 1

Panel 2

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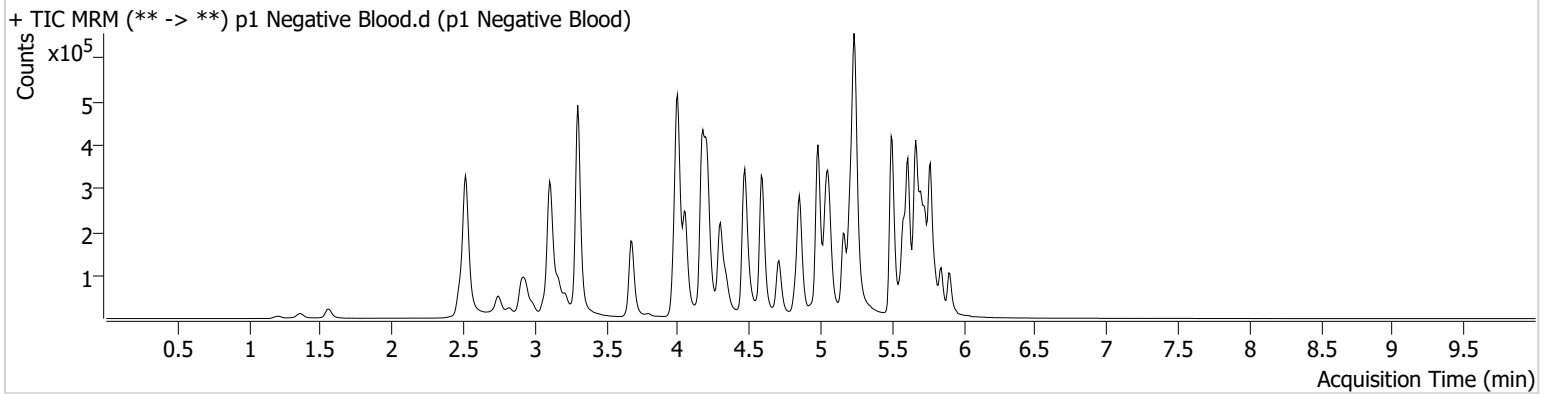


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 5/29/2024 12:02:47 PM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-F2	<b>Comment</b>	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	5/28/2024 5:26:55 PM		
<b>Sample Info.</b>			

## Sample Chromatogram





# AM #28 Multi-Drug Quant. Results

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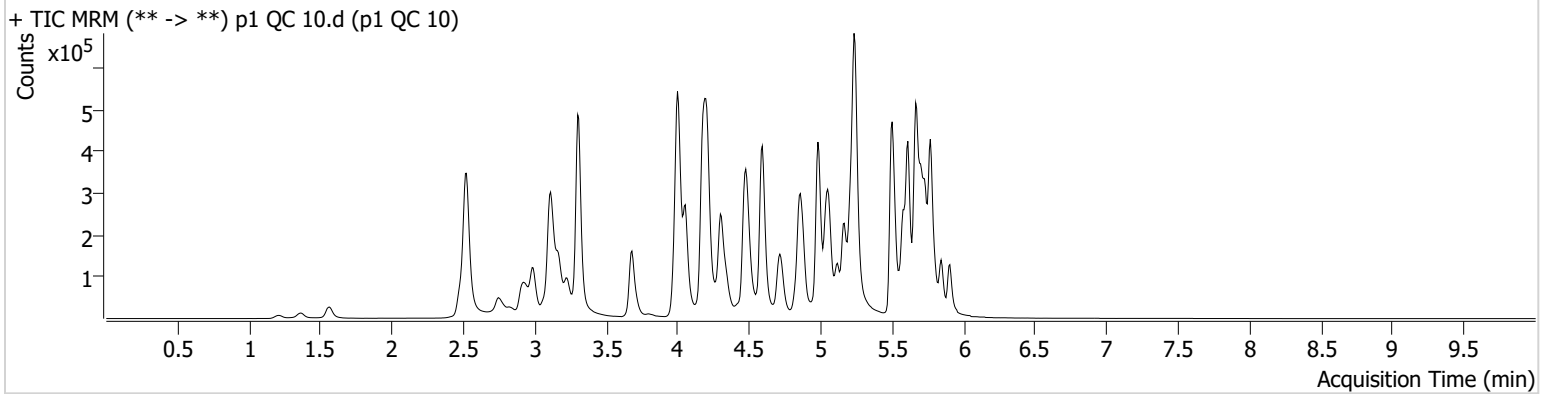
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 5/29/2024 12:02:47 PM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-A2  
**Injection Volume** 2  
**Acq. Date-Time** 5/28/2024 4:23:01 PM  
**Sample Info.**

**Data File** p1 QC 10.d  
**Sample** p1 QC 10  
**Operator** Tamara Salazar

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.069	1786	3047.95	68.9	5484.05	50111	1.0063 ng/ml
7-aminoclonazepam	4.210	26974	79.74	65.2	846.46	136945	9.7735 ng/ml
9-hydroxyrisperidone	4.596	5054	1306.23	3403.8	2018.92	743440	9.4888 ng/ml
a-hydroxyalprazolam	5.651	14781	154.62	73.3	98.21	64989	10.2103 ng/ml
alpha-PHP	4.881	29796	267.05	267.7	746.36	489100	9.3906 ng/ml
alpha-PVP	4.308	110992	992.65	47.1	441.28	489100	9.1717 ng/ml
Alprazolam	5.734	51709	569.11	97.0	197.69	200340	9.7343 ng/ml
Amphetamine	2.992	197767	123.52	44.4	279.96	227981	10.3075 ng/ml
Benzoylcegonine	3.829	2810	124.45	45.0	41.53	11565	9.4907 ng/ml
Bromazolam	5.773	26044	3924.50	121.2	29453.24	122308	9.5591 ng/ml
Buprenorphine	5.826	2471	3047.59	15.7	295.98	100087	0.9220 ng/ml
Bupropion	4.731	99533	1457.92	71.7	1174.40	299595	9.0173 ng/ml
Carisoprodol	5.682	59945	10796.28	65.8	142.82	260964	9.2757 ng/ml
Citalopram	5.166	87492	436.16	29.2	335.28	417681	9.1924 ng/ml
Clonazepam	5.570	49849	89411.83	35.3	111.63	77093	10.2245 ng/ml
Clonazolam	5.506	26513	28339.15	35.1	11564.48	77093	10.0280 ng/ml
Cocaine	4.209	78881	224.50	53.0	86.51	683070	9.8884 ng/ml
Codeine	2.528	7728	172.05	97.5	140.69	38417	10.1834 ng/ml
Cyclobenzaprine	5.586	70904	381.67	9.6	112.00	374679	9.5750 ng/ml
Dextromethorphan	5.223	50868	163.83	88.4	149.33	276998	9.1446 ng/ml
Dextrorphan	4.055	35456	488.07	200.0	456.36	418452	10.0284 ng/ml
Diazepam	5.906	39027	490.11	90.4	164.00	175508	10.0441 ng/ml
Dihydrocodeine	2.507	19461	287.13	68.4	73.44	126037	9.8083 ng/ml
Diphenhydramine	5.244	208623	153.92	29.5	4329.63	1257737	8.2471 ng/ml
Doxylamine	4.490	189212	198.68	98.9	1259.01	918781	9.6685 ng/ml
Duloxetine	5.606	11715	331.07	11.9	2381.89	71345	9.3181 ng/ml
EDDP	5.209	54870	611.63	41.0	201.30	295278	9.4993 ng/ml
Etizolam	5.773	35503	1936.48	26.4	12732.98	77093	9.3096 ng/ml
Fentanyl	5.055	8934	281.58	67.6	435.17	494881	0.9844 ng/ml
Fluorofentanyl	5.110	22400	174.12	40.9	229.08	4450	0.8414 ng/ml
Fluoxetine	5.666	127295	234.93	7.4	6572.94	490408	9.7170 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.968	24801	23.70	40.6	39.24	149816	9.2092 ng/ml
Hydromorphone	1.569	18258	49848.47	85.7	10267.62	70015	8.9802 ng/ml
Hydroxyzine	5.670	91264	470.04	71.3	1734.45	276998	9.3241 ng/ml
Ketamine	3.994	73210	1400.00	32.7	315.46	285755	10.2272 ng/ml
Lamotrigine	4.212	7040	280.75	77.6	3795.03	901159	10.5036 ng/ml
Lorazepam	5.706	46390	648.32	58.4	176.04	348340	9.9699 ng/ml
MDA	3.133	111256	160.58	32.6	1062.82	329025	10.7104 ng/ml
MDMA	3.234	77106	1326.36	88.0	65.67	78834	9.5140 ng/ml
Meprobamate	4.854	25733	1051.63	37.8	46.06	122037	10.2482 ng/ml
Methadone	5.611	124050	2185.74	64.2	271.61	537674	9.1400 ng/ml
Methamphetamine	3.168	267964	80.24	36.0	218.35	576231	10.1288 ng/ml
Metoprolol	4.265	23050	2091.11	105.4	38120.09	871061	10.2198 ng/ml
Mirtazapine	4.587	137475	924.45	60.0	1251.95	489100	10.1419 ng/ml
Mitragynine	5.184	30612	647.35	31.9	131.34	537674	9.6446 ng/ml
Morphine	1.220	3882	178.25	42.2	98.12	3894	9.3294 ng/ml
Norbuprenorphine	4.944	476	623.12	119.5	∞	23434	0.8964 ng/ml
Nordiazepam	5.853	47283	393.32	52.3	883.95	164334	9.7311 ng/ml
Norfentanyl	4.021	17577	139.94	36.4	48.48	801732	1.0072 ng/ml
Norhydrocodone	3.002	4669	108.74	37.5	21.63	31805	8.9909 ng/ml
Noroxycodone	2.846	15312	262.19	49.1	14.55	52013	10.2467 ng/ml
O-desmethyl-tramadol	3.308	179460	650.96	5.5	167.01	1120656	9.3161 ng/ml
o-desmethylvenlafaxine	4.006	135303	2885.04	24.5	475.29	17446	8.6474 ng/ml
Olanzapine	4.421	28671	856.32	56.6	267.38	65439	10.0645 ng/ml
Oxazepam	5.708	63043	∞	68.6	98.69	348340	9.7165 ng/ml
Oxycodone	2.777	36068	656.04	32.1	86.66	160283	9.2406 ng/ml
Oxymorphone	1.366	9611	153.87	50.4	68.27	36581	9.9809 ng/ml
Phentermine	3.717	40474	190.06	7.1	55.14	458050	9.7855 ng/ml
Promethazine	5.503	145315	317.52	33.3	659.94	781461	9.8471 ng/ml
Pseudoephedrine	2.532	203931	383.66	17.0	124.71	901159	9.8611 ng/ml
Quetiapine	5.519	107123	2992.55	55.9	66.38	140623	10.3652 ng/ml
Sertraline	5.735	40917	912.52	88.7	393.42	174505	9.8601 ng/ml
Temazepam	5.776	108616	193.83	27.3	74.58	497845	9.8502 ng/ml
Tramadol	4.191	171604	5123.85	3.3	48.69	871061	9.9780 ng/ml
Trazodone	5.116	153694	3455.94	59.5	192.13	460545	10.1757 ng/ml
Venlafaxine	4.989	166442	343.48	31.7	242.32	898238	9.2529 ng/ml
Xylazine	4.028	59050	1209.96	43.4	526.20	308149	9.2517 ng/ml
Zolpidem	4.879	139060	1099.43	27.9	16892.58	643322	9.6620 ng/ml

TS



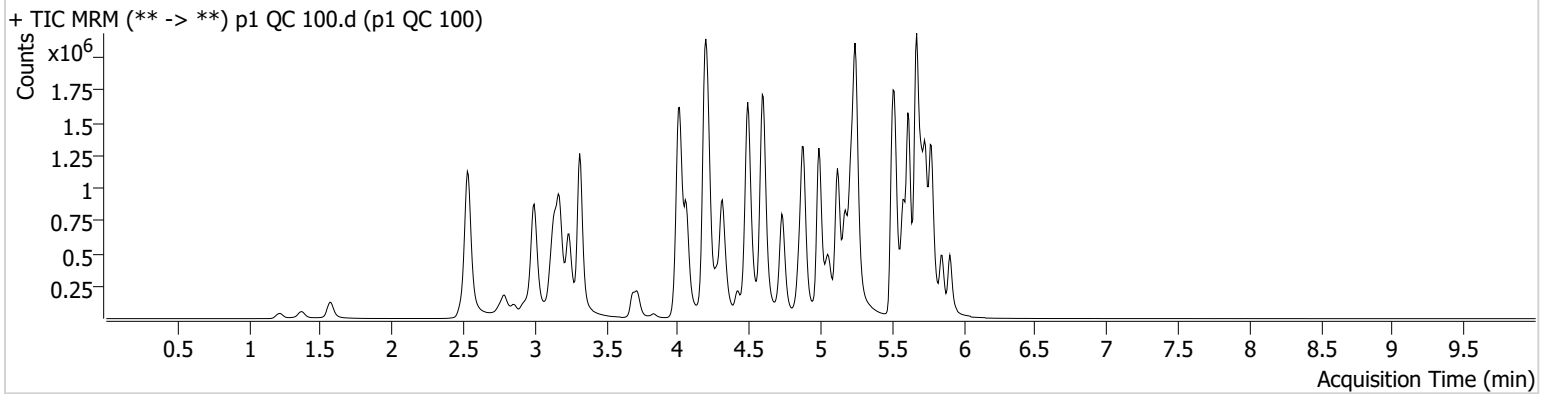
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 5/29/2024 12:02:47 PM

**Instrument** Falco (069901) **Data File** p1 QC 100.d  
**Type** QC **Sample** p1 QC 100  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-B2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 5/29/2024 2:40:36 AM  
**Sample Info.**

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	18678	519.29	68.5	187.92	56563	8.9340 ng/ml
7-aminoclonazepam	4.217	274816	7818.95	69.9	3240.63	135508	99.7338 ng/ml
9-hydroxyrisperidone	4.596	54823	1988.64	3602.4	3964.90	852534	90.0953 ng/ml
a-hydroxyalprazolam	5.651	143357	218.73	73.4	175.99	64626	102.9103 ng/ml
alpha-PHP	4.881	323949	11291.26	266.3	2954.69	526736	101.8563 ng/ml
alpha-PVP	4.315	1245544	711.63	48.1	930.06	526736	92.4050 ng/ml
Alprazolam	5.734	530101	1149.98	103.7	811.47	215102	88.9953 ng/ml
Amphetamine	2.999	1852706	163.43	44.8	1508.02	261387	91.5598 ng/ml
Benzoylcegonine	3.835	31956	182.90	39.2	65.67	11700	105.7591 ng/ml
Bromazolam	5.766	265577	9078.65	119.0	333049.57	120520	101.2601 ng/ml
Buprenorphine	5.820	31493	35495.61	15.3	165.62	119590	9.4856 ng/ml
Bupropion	4.731	1138769	69539.28	71.0	3870.31	333585	92.7810 ng/ml
Carisoprodol	5.682	563002	262.01	67.7	650.61	246971	87.1941 ng/ml
Citalopram	5.173	966707	954.30	29.5	372.64	447265	88.4162 ng/ml
Clonazepam	5.570	495904	13203.03	35.2	1086.86	78205	105.1522 ng/ml
Clonazolam	5.513	259175	279490.54	37.8	152301.99	78205	96.1035 ng/ml
Cocaine	4.209	826597	19558.75	55.0	600.42	721776	96.0409 ng/ml
Codeine	2.535	81450	132.83	93.7	5968.79	41333	103.8869 ng/ml
Cyclobenzaprine	5.586	869078	2496.20	8.7	469.70	432884	94.5767 ng/ml
Dextromethorphan	5.223	574795	301.86	84.2	231.53	310352	90.2376 ng/ml
Dextrorphan	4.062	390456	31444.05	204.8	624.87	473042	94.0649 ng/ml
Diazepam	5.906	410419	1253.61	90.3	8446.15	185959	98.5902 ng/ml
Dihydrocodeine	2.514	214000	697.06	70.3	807.74	141935	98.7085 ng/ml
Diphenhydramine	5.251	2353174	120870.71	30.3	387.24	1398777	80.7275 ng/ml
Doxylamine	4.490	2277999	72752.90	96.9	4500.34	1050565	95.5952 ng/ml
Duloxetine	5.606	126479	7506.07	11.6	11658.36	73124	98.6637 ng/ml
EDDP	5.215	837472	1800.59	41.9	405.64	454323	90.2997 ng/ml
Etizolam	5.773	345487	56089.01	26.7	262737.04	78205	82.8487 ng/ml
Fentanyl	5.055	103160	700.25	67.4	640.57	567979	9.6131 ng/ml
Fluorofentanyl	5.110	268017	6167.91	40.7	10208.16	4595	10.4117 ng/ml
Fluoxetine	5.666	1314728	323293.55	7.2	∞	494013	97.4842 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.975	291632	∞	39.2	72.47	173180	95.3920 ng/ml
Hydromorphone	1.569	222665	1560.43	80.6	3154.02	78800	94.7567 ng/ml
Hydroxyzine	5.670	1051704	32868.19	75.4	11186.18	310352	90.9622 ng/ml
Ketamine	4.001	758554	1059.19	33.6	435.58	321074	99.6699 ng/ml
Lamotrigine	4.218	72874	3699.70	88.1	89.81	972957	105.8582 ng/ml
Lorazepam	5.706	336977	8052.38	59.7	373.13	284364	101.0269 ng/ml
MDA	3.140	1068955	6010.62	32.8	16961.17	338698	102.8935 ng/ml
MDMA	3.241	842517	252.03	90.9	9698.89	89163	90.1585 ng/ml
Meprobamate	4.854	259527	6724.17	38.3	6928.11	132672	101.1677 ng/ml
Methadone	5.618	1499000	1104.48	59.3	4592.88	621973	91.9903 ng/ml
Methamphetamine	3.175	1819795	842.26	36.9	24566.58	656740	102.8987 ng/ml
Metoprolol	4.272	246773	225014.23	106.8	1718.53	976361	100.0893 ng/ml
Mirtazapine	4.587	1538782	918.10	57.6	159327.95	526736	106.3008 ng/ml
Mitragynine	5.191	366096	45825.57	34.3	205760.87	621973	99.1061 ng/ml
Morphine	1.220	41365	1642.18	34.6	400.88	4667	95.0836 ng/ml
Norbuprenorphine	4.944	4318	6379.36	102.6	5169.12	25869	9.0720 ng/ml
Nordiazepam	5.853	473509	7012.03	54.1	628.40	167184	95.3909 ng/ml
Norfentanyl	4.028	180980	476.29	37.6	717.21	801730	9.7014 ng/ml
Norhydrocodone	3.016	67129	141.43	37.8	802.07	41458	86.3312 ng/ml
Noroxycodone	2.859	174584	1590.96	52.5	2833.91	59784	100.9169 ng/ml
O-desmethyl-tramadol	3.315	2007661	121068.28	5.6	730.14	1231779	90.2516 ng/ml
o-desmethylvenlafaxine	4.013	1628986	50828.64	23.5	4491.42	18957	90.2784 ng/ml
Olanzapine	4.421	301376	3603.90	55.6	1464.67	70196	98.7058 ng/ml
Oxazepam	5.708	545428	19568.07	70.2	5033.07	284364	106.2330 ng/ml
Oxycodone	2.784	446334	1000.12	31.6	525.47	187847	96.7986 ng/ml
Oxymorphone	1.366	107495	∞	51.7	∞	41038	95.5524 ng/ml
Phentermine	3.724	441465	434.09	6.8	404.60	501150	100.6052 ng/ml
Promethazine	5.503	1651876	1576.56	32.7	1232.53	847486	98.0874 ng/ml
Pseudoephedrine	2.538	2232075	96.55	17.1	82412.03	972957	96.5680 ng/ml
Quetiapine	5.519	1205791	229.19	58.4	287.35	164994	98.0944 ng/ml
Sertraline	5.735	437528	1790.73	90.2	109727.82	192111	92.1077 ng/ml
Temazepam	5.776	988304	794.25	27.3	1078.21	436135	99.9716 ng/ml
Tramadol	4.191	1893339	1337.24	3.4	170.95	976361	97.1432 ng/ml
Trazodone	5.116	1669808	141280.14	62.1	671802.38	527638	100.6271 ng/ml
Venlafaxine	4.989	1882463	2296.58	32.4	708.16	958313	94.4992 ng/ml
Xylazine	4.028	675382	418610.45	44.7	2113.86	331308	94.4771 ng/ml
Zolpidem	4.879	1607857	1014093.54	27.3	795.56	729304	100.0008 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

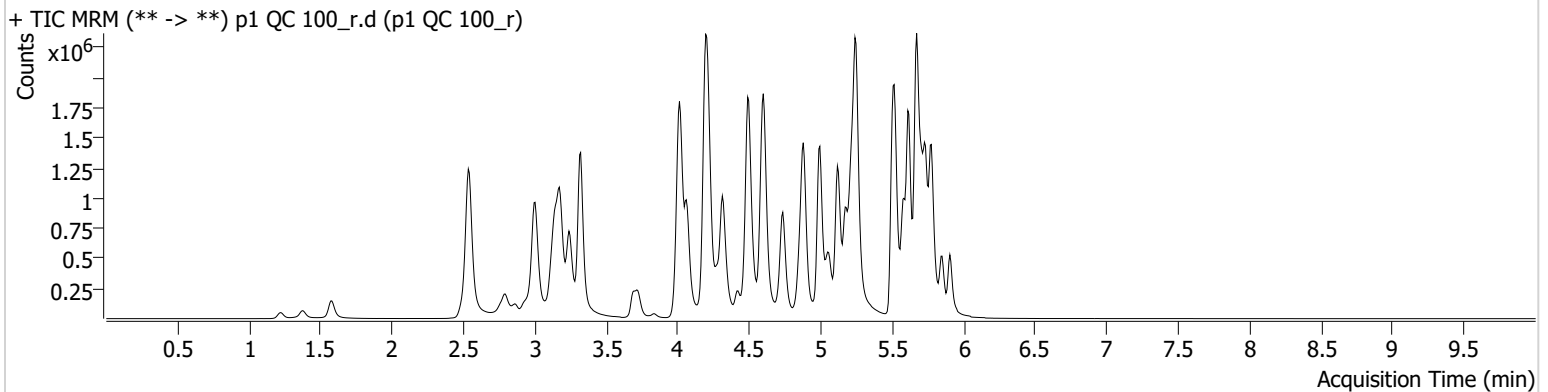
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**Instrument** Falco (069901) **Data File** p1 QC 100\_r.d  
**Type** QC **Sample** p1 QC 100\_r  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-B2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 5/29/2024 11:44:08 AM  
**Sample Info.**

**QC used to bracket reinjected samples.**

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.089	21238	493.41	69.7	63.68	62595	9.1783 ng/ml
7-aminoclonazepam	4.217	308550	5996.20	68.7	83.67	153279	98.9948 ng/ml
9-hydroxyrisperidone	4.603	59316	130.67	3637.8	9519.80	917548	90.5718 ng/ml
a-hydroxyalprazolam	5.651	152915	773.42	71.6	325.09	71702	98.9248 ng/ml
alpha-PHP	4.888	358340	790.29	262.4	79666.41	578870	102.5271 ng/ml
alpha-PVP	4.315	1363629	1872.57	49.1	597.05	578870	92.0557 ng/ml
Alprazolam	5.734	580974	1082.63	104.9	786.95	235526	89.0778 ng/ml
Amphetamine	3.006	2050066	997.69	44.4	127.15	295046	89.7353 ng/ml
Benzoylcegonine	3.835	35001	92.56	39.6	370.28	13551	100.0111 ng/ml
Bromazolam	5.766	289394	224512.93	120.9	76.95	134197	99.0903 ng/ml
Buprenorphine	5.820	35666	30820.56	13.9	3414.98	131001	9.8056 ng/ml
Bupropion	4.738	1272201	412.74	70.1	830.76	379172	91.1901 ng/ml
Carisoprodol	5.682	618458	678571.81	67.2	912.39	266225	88.8455 ng/ml
Citalopram	5.173	1080599	854.30	29.8	2124.68	487466	90.6645 ng/ml
Clonazepam	5.570	535473	761.55	35.7	17795.91	86937	102.1223 ng/ml
Clonazolam	5.513	287266	302509.49	37.9	146173.12	86937	95.8211 ng/ml
Cocaine	4.216	910424	516.40	56.0	395.04	788901	96.7782 ng/ml
Codeine	2.542	87719	129.73	94.6	4063.88	46699	99.0035 ng/ml
Cyclobenzaprine	5.586	948898	42197.39	8.8	239158.54	479775	93.1813 ng/ml
Dextromethorphan	5.230	638165	16304.68	83.9	239164.07	343825	90.4320 ng/ml
Dextrorphan	4.068	429165	764.06	203.9	1387.50	528080	92.6211 ng/ml
Diazepam	5.906	446128	2574.98	90.6	678.04	201238	99.0307 ng/ml
Dihydrocodeine	2.514	235090	1338.11	69.7	1381.11	157420	97.7662 ng/ml
Diphenhydramine	5.251	2645750	1727.24	30.3	5530.35	1539134	82.4806 ng/ml
Doxylamine	4.497	2563336	2166916.52	95.9	3850715.41	1155064	97.8222 ng/ml
Duloxetine	5.612	131041	14178.19	12.4	12583.11	79195	94.3838 ng/ml
EDDP	5.215	957641	9272.17	41.5	11252.95	509315	92.0991 ng/ml
Etizolam	5.773	377404	1954.85	26.5	135334.97	86937	81.4253 ng/ml
Fentanyl	5.062	116288	750.01	68.5	564.13	626544	9.8228 ng/ml
Fluorofentanyl	5.116	287527	25559.34	41.4	127458.48	5322	9.6397 ng/ml
Fluoxetine	5.666	1382225	3165.60	7.3	188403.56	542360	93.3627 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.975	329942	162.57	38.2	153.70	184436	101.3477 ng/ml
Hydromorphone	1.582	243713	485801.51	81.2	548.29	87723	93.1691 ng/ml
Hydroxyzine	5.670	1174110	260615.31	75.7	51083.66	343825	91.6588 ng/ml
Ketamine	4.001	841933	3642.05	33.6	626.67	362706	97.9163 ng/ml
Lamotrigine	4.225	81250	85553.93	86.2	1370.19	1065422	107.7934 ng/ml
Lorazepam	5.706	352773	1629.20	57.4	1053.20	295042	101.9488 ng/ml
MDA	3.147	1173085	9436.68	33.2	4831.92	383725	99.6558 ng/ml
MDMA	3.241	922185	22877.48	92.1	145.52	99474	88.4585 ng/ml
Meprobamate	4.861	285672	834.60	38.5	106.91	157771	93.5895 ng/ml
Methadone	5.618	1668026	1081.43	57.5	795.32	704209	90.4156 ng/ml
Methamphetamine	3.182	2063207	25218.45	36.9	19750.01	742855	103.1582 ng/ml
Metoprolol	4.272	277769	3019.78	104.6	450584.30	1086577	101.2366 ng/ml
Mirtazapine	4.586	1740407	489762.08	57.0	1752.98	578870	109.4040 ng/ml
Mitragynine	5.191	409225	330656.27	33.5	245446.00	704209	97.8454 ng/ml
Morphine	1.227	46740	1683.18	32.9	3566.15	4958	101.2166 ng/ml
Norbuprenorphine	4.944	4986	2727.00	94.3	892.57	28646	9.4685 ng/ml
Nordiazepam	5.853	504673	392.34	54.7	626.49	177897	95.5463 ng/ml
Norfentanyl	4.035	192268	639.62	38.0	781.27	882494	9.3658 ng/ml
Norhydrocodone	3.016	76903	197.08	38.7	67.60	45707	89.6554 ng/ml
Noroxycodone	2.866	199500	2675.27	52.4	7166.40	67804	101.6793 ng/ml
O-desmethyl-tramadol	3.321	2232910	1391.61	5.6	7148.99	1353884	91.3185 ng/ml
o-desmethylvenlafaxine	4.013	1816175	147284.62	23.3	2193.62	20308	93.9331 ng/ml
Olanzapine	4.421	328182	2505.07	55.0	471.81	76594	98.5067 ng/ml
Oxazepam	5.708	566613	1375.64	72.0	429.56	295042	106.3654 ng/ml
Oxycodone	2.791	498864	2079.78	31.1	272.17	212085	95.8274 ng/ml
Oxymorphone	1.372	121005	1327.61	49.6	∞	48688	90.6857 ng/ml
Phentermine	3.724	496927	2174.63	7.2	92.51	573131	99.0165 ng/ml
Promethazine	5.503	1825107	56984.51	32.5	1524.32	930365	98.7162 ng/ml
Pseudoephedrine	2.545	2464447	40467.55	17.0	130439.97	1065422	97.3648 ng/ml
Quetiapine	5.519	1294913	753.98	59.5	38205.61	185214	93.8507 ng/ml
Sertraline	5.742	450324	443.12	92.4	448.28	196593	92.6379 ng/ml
Temazepam	5.776	1084374	511.80	26.3	342.93	469459	101.8983 ng/ml
Tramadol	4.197	1994219	∞	3.7	1019.98	1086577	91.9470 ng/ml
Trazodone	5.116	1828915	1878655.09	63.5	1143893.20	594061	97.8787 ng/ml
Venlafaxine	4.996	2094537	2413.52	31.7	6720.97	1079298	93.3634 ng/ml
Xylazine	4.035	741798	416318.58	46.0	7055.51	362547	94.8253 ng/ml
Zolpidem	4.879	1792223	1607.61	27.7	391482.20	803811	101.1372 ng/ml



# AM #28 Multi-Drug Quant. Results

TS

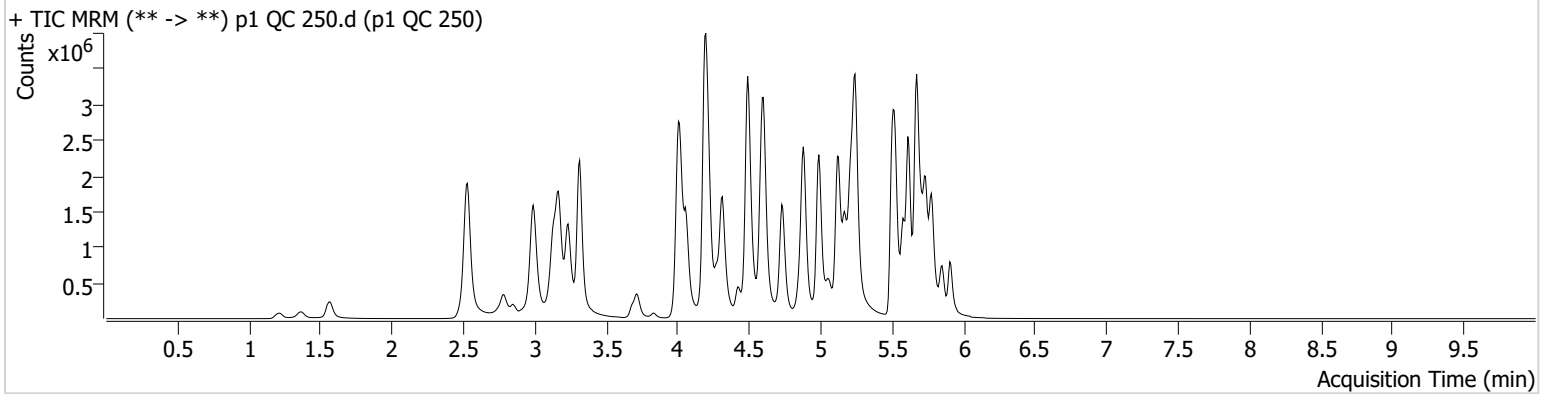


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**Calibration Last Update** 5/29/2024 12:02:47 PM

**Instrument** Falco (069901) **Data File** p1 QC 250.d  
**Type** QC **Sample** p1 QC 250  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-C2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 5/28/2024 4:44:19 PM  
**Sample Info.**

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.075	41108	226260.28	67.5	494.82	47297	23.4383 ng/ml
7-aminoclonazepam	4.217	448589	17439.35	67.7	181.23	86187	255.8102 ng/ml
9-hydroxyrisperidone	4.596	119875	161.54	3466.8	16431.20	676647	248.2771 ng/ml
a-hydroxyalprazolam	5.651	224439	351.67	73.5	209.01	42946	242.9672 ng/ml
alpha-PHP	4.881	655001	1954.06	263.1	173517.70	454521	239.7080 ng/ml
alpha-PVP	4.315	2680423	686.44	48.9	1286.75	454521	229.9489 ng/ml
Alprazolam	5.734	984392	824.78	99.8	2716.34	148705	238.2752 ng/ml
Amphetamine	2.992	3554490	65755.72	44.8	84546.64	216614	213.3153 ng/ml
Benzoylcegonine	3.829	73566	120747.34	41.6	262.25	12571	226.4806 ng/ml
Bromazolam	5.766	425176	3444.21	126.0	127203.91	82883	236.0584 ng/ml
Buprenorphine	5.826	64039	239572.17	14.6	10644.03	97393	23.6302 ng/ml
Bupropion	4.731	2414329	834.09	70.8	446.73	286116	229.3618 ng/ml
Carisoprodol	5.689	865314	2002.38	69.8	716.94	143317	230.0421 ng/ml
Citalopram	5.166	1973340	∞	28.5	570.97	351273	228.7012 ng/ml
Clonazepam	5.570	778694	10401.66	34.8	422683.20	53370	242.6720 ng/ml
Clonazolam	5.513	442818	428425.51	37.6	196882.28	53370	240.5162 ng/ml
Cocaine	4.209	1746849	1371.36	55.7	228.69	598511	244.4130 ng/ml
Codeine	2.528	148983	712.82	94.4	154.15	32148	244.9446 ng/ml
Cyclobenzaprine	5.586	1587404	31422.40	8.8	262.19	318502	233.7055 ng/ml
Dextromethorphan	5.223	1102478	706.16	84.6	1429.76	238784	224.6273 ng/ml
Dextrorphan	4.062	777737	470.44	202.0	436.46	365887	241.5843 ng/ml
Diazepam	5.906	787847	4875.98	90.5	580.09	139113	252.7927 ng/ml
Dihydrocodeine	2.507	429643	716.26	71.6	1568.59	119966	234.9244 ng/ml
Diphenhydramine	5.244	4802807	∞	30.3	9806.42	1134825	202.6033 ng/ml
Doxylamine	4.490	5037157	213035.51	94.0	85055.03	892807	247.6899 ng/ml
Duloxetine	5.606	226799	10491.85	11.8	429.52	55284	234.0889 ng/ml
EDDP	5.215	1816896	597.54	41.5	52665.21	393537	225.5019 ng/ml
Etizolam	5.773	672435	1261.13	27.1	6784.55	53370	234.8969 ng/ml
Fentanyl	5.055	220631	451832.13	67.0	181.67	476089	24.4782 ng/ml
Fluorofentanyl	5.110	557607	10078.38	39.2	1764.67	3981	25.0900 ng/ml
Fluoxetine	5.673	2235948	1858.19	7.0	381.73	352697	231.8981 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.968	591955	∞	40.8	276.33	140852	238.3447 ng/ml
Hydromorphone	1.569	471471	1878326.31	82.2	1165350.80	67165	235.0119 ng/ml
Hydroxyzine	5.670	1966534	24950.83	80.1	96875.66	238784	220.3031 ng/ml
Ketamine	4.001	1505376	460.64	32.5	1318.88	272651	233.7986 ng/ml
Lamotrigine	4.219	131999	2453.06	86.8	91.65	801751	233.4095 ng/ml
Lorazepam	5.706	392751	10055.57	57.1	519.53	151657	222.6304 ng/ml
MDA	3.133	2005320	2901.31	31.1	6029.98	249821	262.2378 ng/ml
MDMA	3.234	1856697	107757.29	87.5	207.26	73112	241.9640 ng/ml
Meprobamate	4.854	411058	905.64	38.1	538.10	98348	216.9967 ng/ml
Methadone	5.618	2814458	1535.87	62.2	2003.92	464812	230.5572 ng/ml
Methamphetamine	3.168	3720137	96.57	36.1	409.85	583381	247.9683 ng/ml
Metoprolol	4.272	526663	1626148.26	103.4	5011.88	792844	263.5259 ng/ml
Mirtazapine	4.587	3067990	77332.91	61.4	3003.92	454521	245.7379 ng/ml
Mitragynine	5.191	669560	3715.15	33.5	384146.79	464812	242.4494 ng/ml
Morphine	1.213	86249	551.90	40.7	308.97	3770	247.8493 ng/ml
Norbuprenorphine	4.944	9159	6249.77	109.8	7871.55	22666	22.2947 ng/ml
Nordiazepam	5.853	831839	3995.81	53.9	890.38	114957	243.6405 ng/ml
Norfentanyl	4.028	360119	301369.59	37.7	4515.39	618877	24.8942 ng/ml
Norhydrocodone	3.009	142807	9240.88	39.5	1082.85	32490	232.1576 ng/ml
Noroxycodone	2.852	339382	380.70	54.5	8171.61	46597	251.5759 ng/ml
O-desmethyl-tramadol	3.315	4539761	27157.45	5.6	34800.37	1061636	235.9772 ng/ml
o-desmethylvenlafaxine	4.006	3375231	271665.59	22.0	9328.58	13837	255.2612 ng/ml
Olanzapine	4.421	645477	169.18	58.5	2301.26	58835	252.2409 ng/ml
Oxazepam	5.708	678649	314.90	67.8	6178.75	151657	248.2962 ng/ml
Oxycodone	2.777	931957	3184.23	32.3	1515.48	159418	238.0438 ng/ml
Oxymorphone	1.366	225920	∞	52.0	486.30	36519	225.0730 ng/ml
Phentermine	3.717	909647	736.31	5.9	499.07	444306	234.2710 ng/ml
Promethazine	5.503	3516939	26067.01	32.1	699.97	714499	246.8781 ng/ml
Pseudoephedrine	2.532	4647451	122229.74	16.6	46947.05	801751	243.4339 ng/ml
Quetiapine	5.519	2223002	927.40	61.3	16730.99	123769	240.8548 ng/ml
Sertraline	5.735	759416	12048.91	86.9	620.95	128303	238.7069 ng/ml
Temazepam	5.776	1432778	30337.96	27.5	250.50	246210	256.3413 ng/ml
Tramadol	4.191	4112382	4235.32	3.5	338.34	792844	259.6335 ng/ml
Trazodone	5.123	3326328	98303.83	65.4	103418.13	443263	239.2777 ng/ml
Venlafaxine	4.989	4099067	21794.14	30.6	821.64	829817	237.0691 ng/ml
Xylazine	4.028	1444457	96215.98	47.3	19713.16	279958	238.4965 ng/ml
Zolpidem	4.879	3149297	5966857.78	27.5	76581.16	581727	245.7915 ng/ml



# AM #28 Multi-Drug Quant. Results

TS

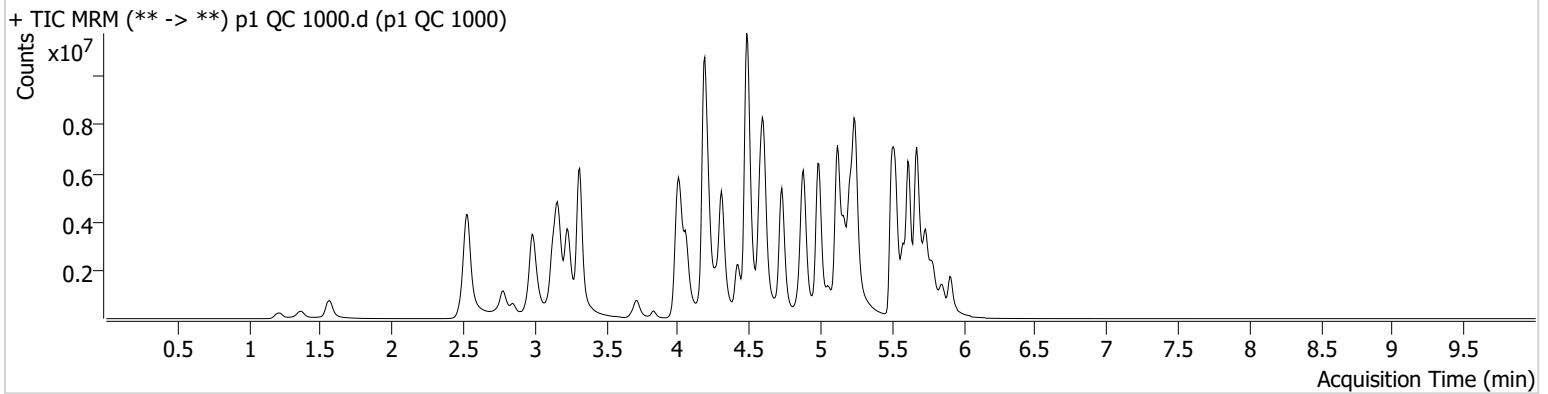


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**Calibration Last Update** 5/29/2024 12:02:47 PM

**Instrument** Falco (069901) **Data File** p1 QC 1000.d  
**Type** QC **Sample** p1 QC 1000  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-D2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 5/28/2024 5:05:36 PM  
**Sample Info.**

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.075	142063	695.61	66.2	583.05	39126	97.7657 ng/ml
7-aminoclonazepam	4.223	800247	214.55	66.7	10295.30	41174	954.9705 ng/ml
9-hydroxyrisperidone	4.596	378893	231576.52	3709.3	13420.86	518641	1023.9392 ng/ml
a-hydroxyalprazolam	5.651	360825	447.97	71.5	177.76	19723	851.4687 ng/ml
alpha-PHP	4.881	1742011	55071.71	267.0	31139.00	376042	772.2839 ng/ml
alpha-PVP	4.308	9175048	1722.60	48.9	1008.76	376042	950.3275 ng/ml
Alprazolam	5.734	2311733	6060.13	97.1	149.44	86742	957.8823 ng/ml
Amphetamine	2.992	8173103	82342.23	44.9	213309.10	179205	594.7027 ng/ml
Benzoylcegonine	3.829	328057	1416.73	39.1	5789.57	13224	959.8107 ng/ml
Bromazolam	5.766	858627	855052.20	124.0	958769.10	42919	921.3200 ng/ml
Buprenorphine	5.826	235477	1036.58	14.7	33150.37	83046	101.7819 ng/ml
Bupropion	4.731	8884238	396527.25	69.3	13866.46	274509	879.7304 ng/ml
Carisoprodol	5.689	1418551	29950.01	66.6	2692.88	50701	1064.0313 ng/ml
Citalopram	5.166	5444115	∞	28.4	1100.71	227261	972.9892 ng/ml
Clonazepam	5.563	1195646	12418.10	34.3	724.58	25179	791.0350 ng/ml
Clonazolam	5.513	602845	633676.67	38.1	127351.84	25179	693.9134 ng/ml
Cocaine	4.209	5276705	653.76	54.5	35366.94	437812	1008.5795 ng/ml
Codeine	2.521	382790	1833.23	91.5	79.33	24756	818.3835 ng/ml
Cyclobenzaprine	5.586	4428260	51921.93	8.5	1642.08	199244	1039.6562 ng/ml
Dextromethorphan	5.216	2650279	1967979.60	81.6	244.50	139707	922.2596 ng/ml
Dextrorphan	4.062	2160150	908.94	203.7	38309.22	248388	987.1232 ng/ml
Diazepam	5.906	2124519	638.77	89.4	17365.40	97259	974.6832 ng/ml
Dihydrocodeine	2.500	1202782	26485.28	73.7	19834.93	113122	698.1199 ng/ml
Diphenhydramine	5.244	14034753	392664.22	30.4	1758.00	794037	845.1315 ng/ml
Doxylamine	4.484	19126689	442395.74	92.7	198789.67	816780	1026.0004 ng/ml
Duloxetine	5.606	420537	6982.61	10.5	44673.50	25369	946.0544 ng/ml
EDDP	5.209	6742136	154037.81	39.7	1134.21	331675	991.3645 ng/ml
Etizolam	5.773	1700949	44280.91	27.4	7345.91	25179	1256.1453 ng/ml
Fentanyl	5.055	852586	232545.77	65.8	1354.03	457000	98.4450 ng/ml
Fluorofentanyl	5.110	1705010	13662.86	41.8	5907.96	3366	90.8972 ng/ml
Fluoxetine	5.673	4228130	7139.42	7.2	225259.53	168500	917.1982 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.961	2140762	197.22	43.1	3939.84	134553	902.8321 ng/ml
Hydromorphone	1.562	1721516	1671.26	82.1	573.05	61385	938.1351 ng/ml
Hydroxyzine	5.670	5553769	100545.99	82.2	72908.91	139707	1061.3631 ng/ml
Ketamine	3.994	3884944	567435.62	32.4	1610.35	221953	742.6011 ng/ml
Lamotrigine	4.218	251322	3622.73	93.2	579021.32	556565	641.2280 ng/ml
Lorazepam	5.706	444034	∞	57.6	5169.79	40968	936.7209 ng/ml
MDA	3.126	4489439	85.25	29.1	2859.38	162836	901.5583 ng/ml
MDMA	3.234	5857731	548.18	81.9	240.87	57684	966.9400 ng/ml
Meprobamate	4.848	827938	21422.28	36.9	2899.02	74224	580.3490 ng/ml
Methadone	5.618	8818462	412994.37	60.6	2022.70	351258	954.7738 ng/ml
Methamphetamine	3.161	11344657	190236.19	34.9	94556.22	545316	828.3811 ng/ml
Metoprolol	4.272	1409730	40833.12	104.3	909.76	668230	837.5590 ng/ml
Mirtazapine	4.580	9537417	408024.90	58.8	266.85	376042	923.6140 ng/ml
Mitragynine	5.184	1812763	1916164.91	35.0	5834.72	351258	868.4418 ng/ml
Morphine	1.213	285958	∞	41.3	1545.86	3138	991.8194 ng/ml
Norbuprenorphine	4.938	34510	17807.33	97.3	148.98	17872	107.4263 ng/ml
Nordiazepam	5.853	1521857	291.18	54.8	28774.57	52688	972.4153 ng/ml
Norfentanyl	4.028	702688	17765.36	38.4	447.05	240900	124.5017 ng/ml
Norhydrocodone	3.009	490062	1293.65	40.6	2002.64	22831	1128.7412 ng/ml
Noroxycodone	2.846	1088060	16031.49	53.4	∞	36110	1040.5281 ng/ml
O-desmethyl-tramadol	3.315	16441236	1583747.28	5.4	52230.02	902033	1004.2077 ng/ml
o-desmethylvenlafaxine	4.006	8057708	118483.26	21.9	7948.96	7781	1081.9273 ng/ml
Olanzapine	4.421	3688800	762.75	60.5	5520.63	90932	932.7198 ng/ml
Oxazepam	5.708	667530	240.04	71.3	4176.65	40968	904.9900 ng/ml
Oxycodone	2.777	3524721	2638.22	32.0	1408.86	156777	915.2367 ng/ml
Oxymorphone	1.359	832184	∞	51.0	∞	34919	865.8022 ng/ml
Phentermine	3.717	2560902	∞	5.5	2519.72	392133	748.0312 ng/ml
Promethazine	5.496	11188274	120382.15	30.8	382182.84	531575	1053.8740 ng/ml
Pseudoephedrine	2.532	13580788	154522.19	16.3	181.21	556565	1023.5488 ng/ml
Quetiapine	5.519	6341316	64267.79	59.8	58726.89	91450	929.4269 ng/ml
Sertraline	5.742	1477354	16388.00	89.0	15060.60	60250	987.5673 ng/ml
Temazepam	5.790	1773878	45446.57	28.5	233.30	77776	1003.9399 ng/ml
Tramadol	4.184	12782158	∞	3.6	148.62	668230	957.1622 ng/ml
Trazodone	5.116	10355071	592254.50	71.9	719500.01	433799	762.1992 ng/ml
Venlafaxine	4.982	13992998	45732.30	29.0	∞	653604	1026.2209 ng/ml
Xylazine	4.021	4487335	189.94	48.6	11530.69	211966	977.3007 ng/ml
Zolpidem	4.879	10224051	1420336.76	27.0	2055466.15	537881	863.3938 ng/ml

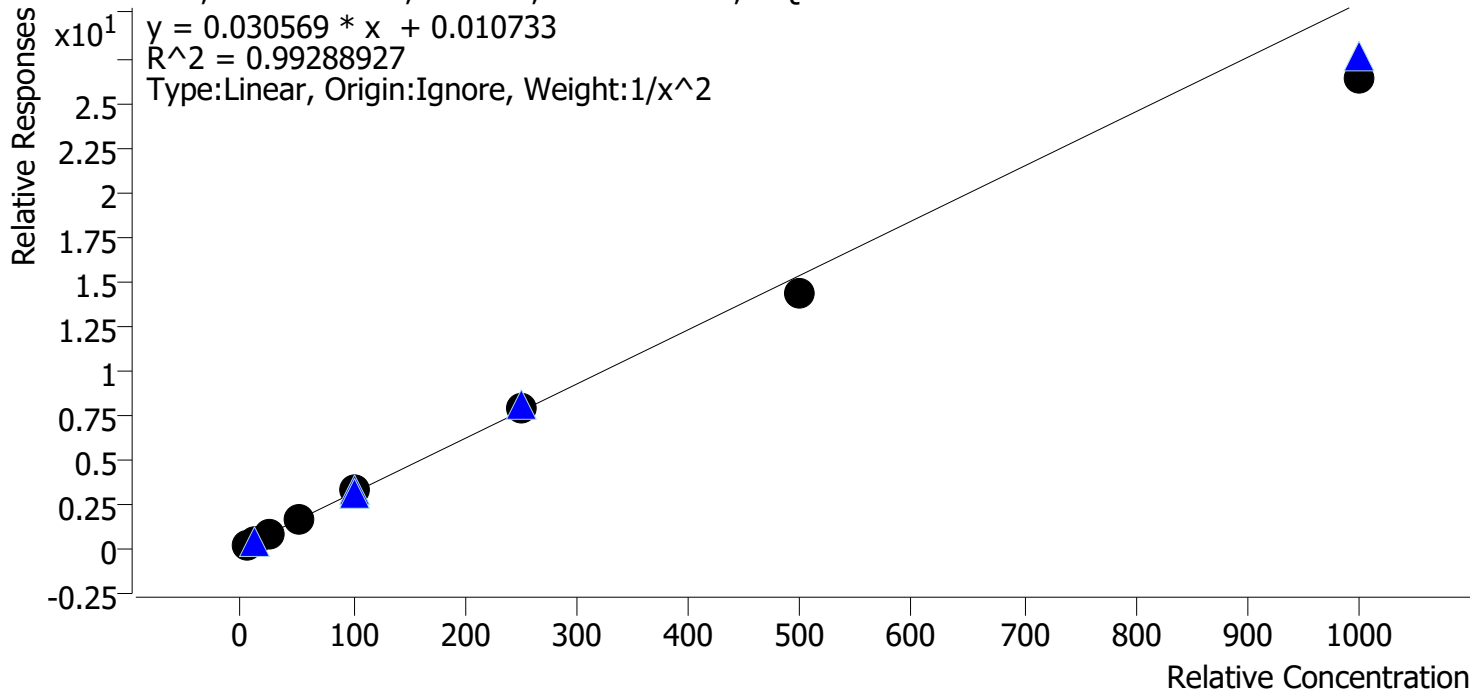
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	467.1	93.4
p1 Cal 8-1000ng	8	✓	1000.0	862.2	86.2

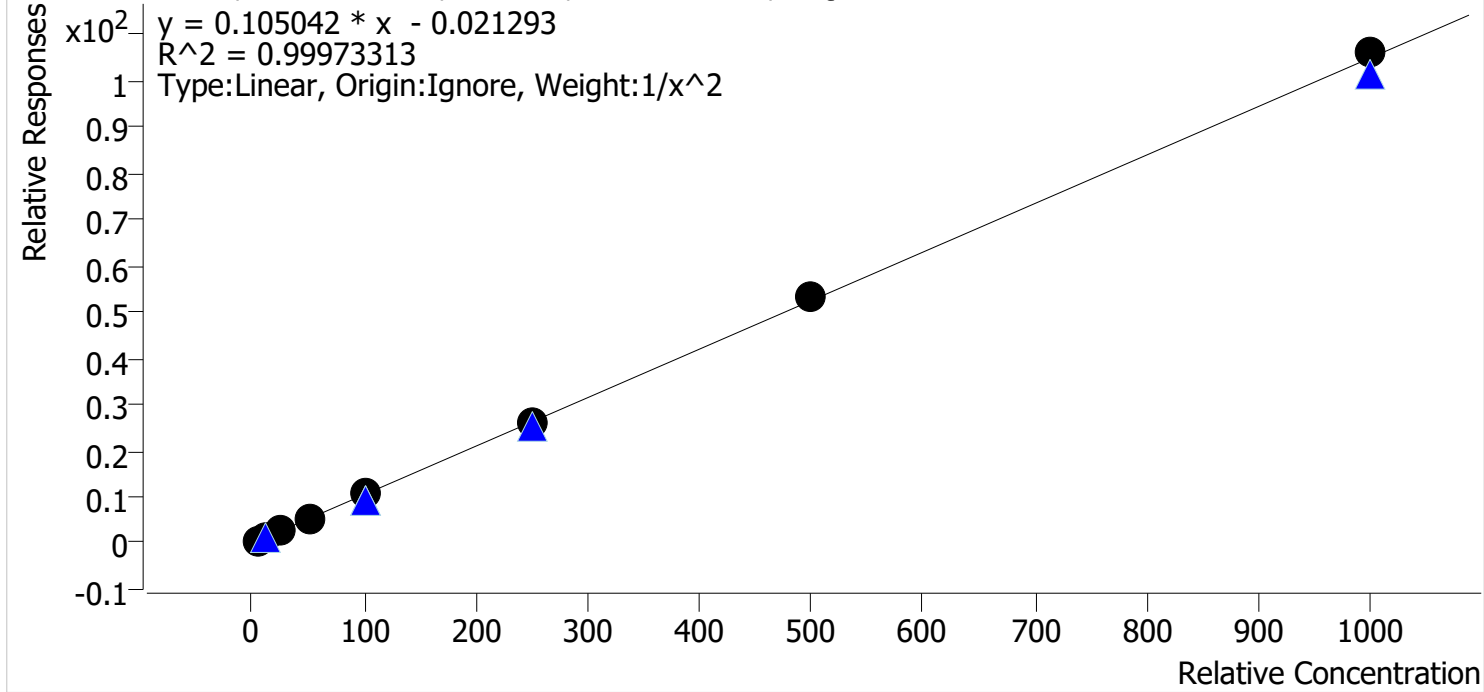
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	509.5	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1011.1	101.1

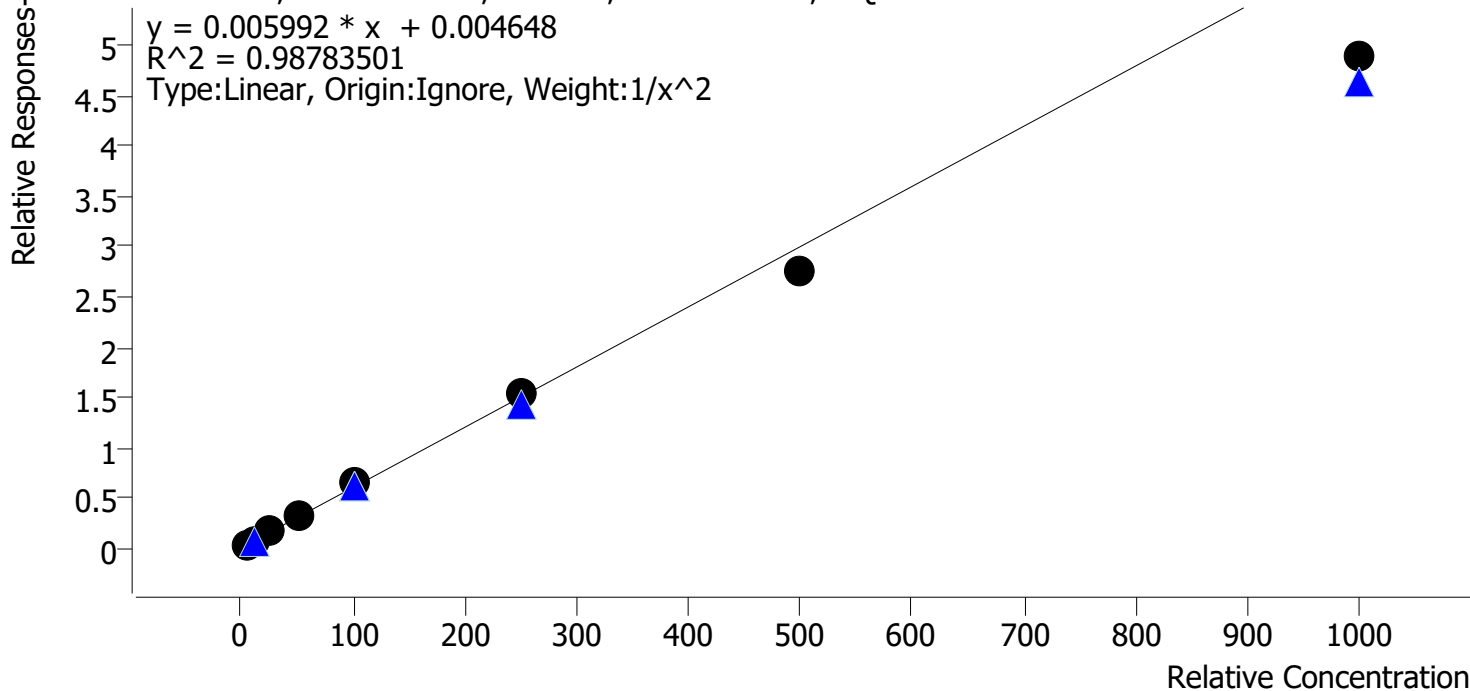
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-D8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.1
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	107.0	107.0
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	460.5	92.1
p1 Cal 8-1000ng	8	✓	1000.0	815.6	81.6

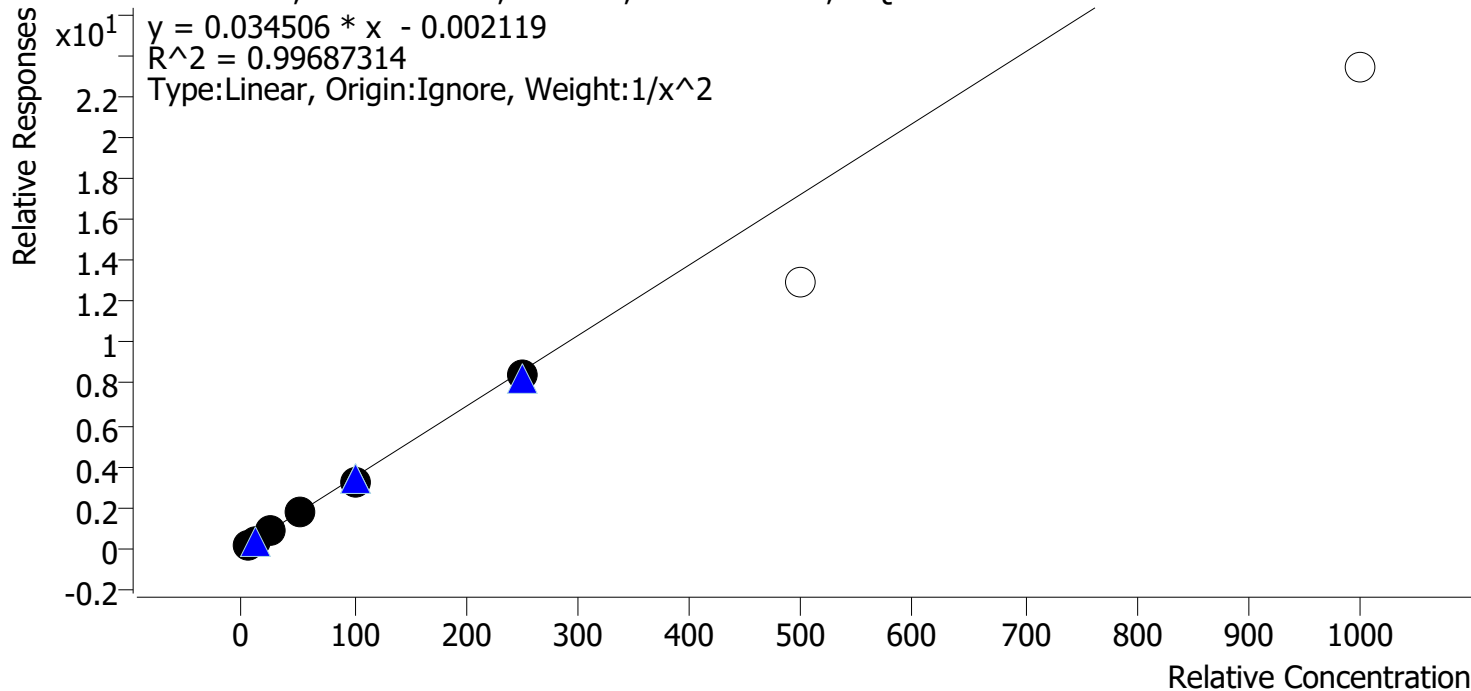
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.2
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	93.4	93.4
p1 Cal 6-250ng	6	✓	250.0	244.1	97.6
p1 Cal 7-500ng	7	x	500.0	374.9	75.0
p1 Cal 8-1000ng	8	x	1000.0	678.5	67.8

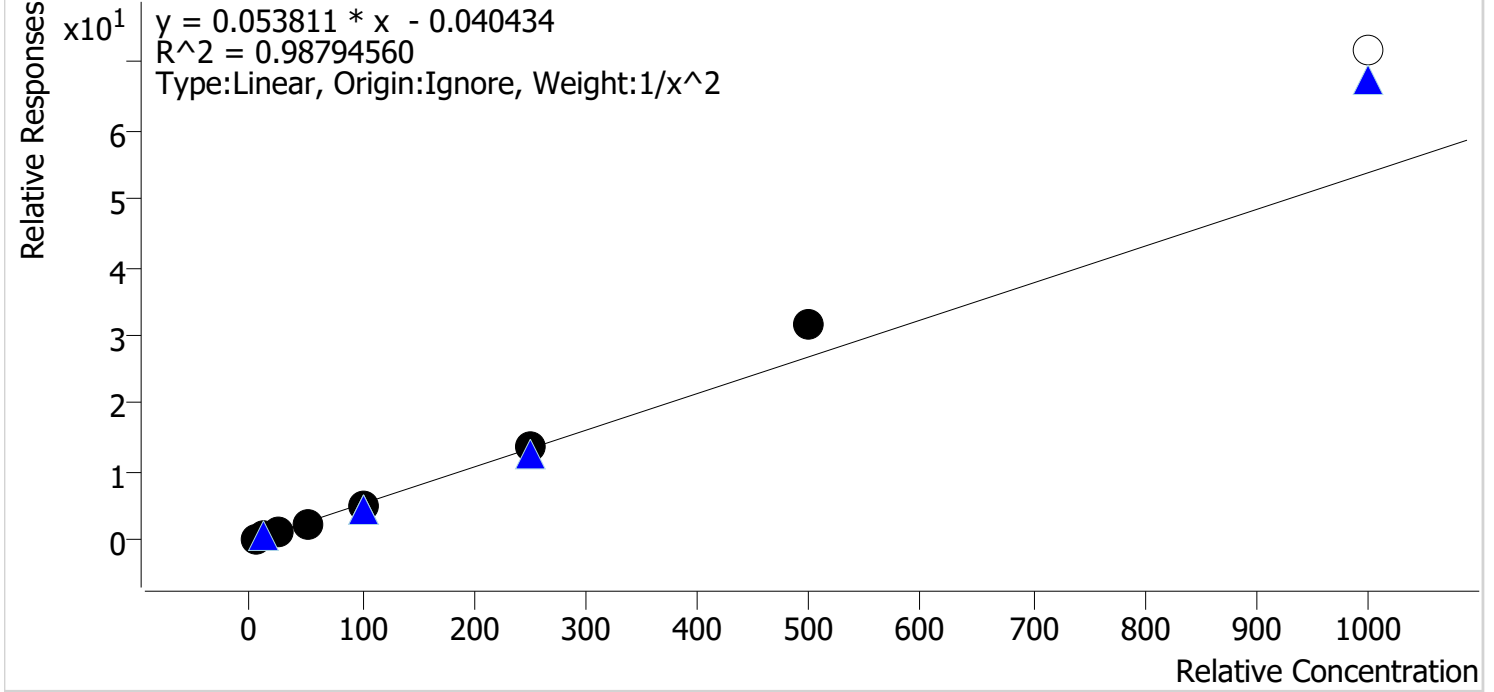
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.7
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.7
p1 Cal 4-50ng	4	✓	50.0	46.3	92.6
p1 Cal 5-100ng	5	✓	100.0	94.3	94.3
p1 Cal 6-250ng	6	✓	250.0	258.7	103.5
p1 Cal 7-500ng	7	✓	500.0	588.5	117.7
p1 Cal 8-1000ng	8	✗	1000.0	1331.9	133.2

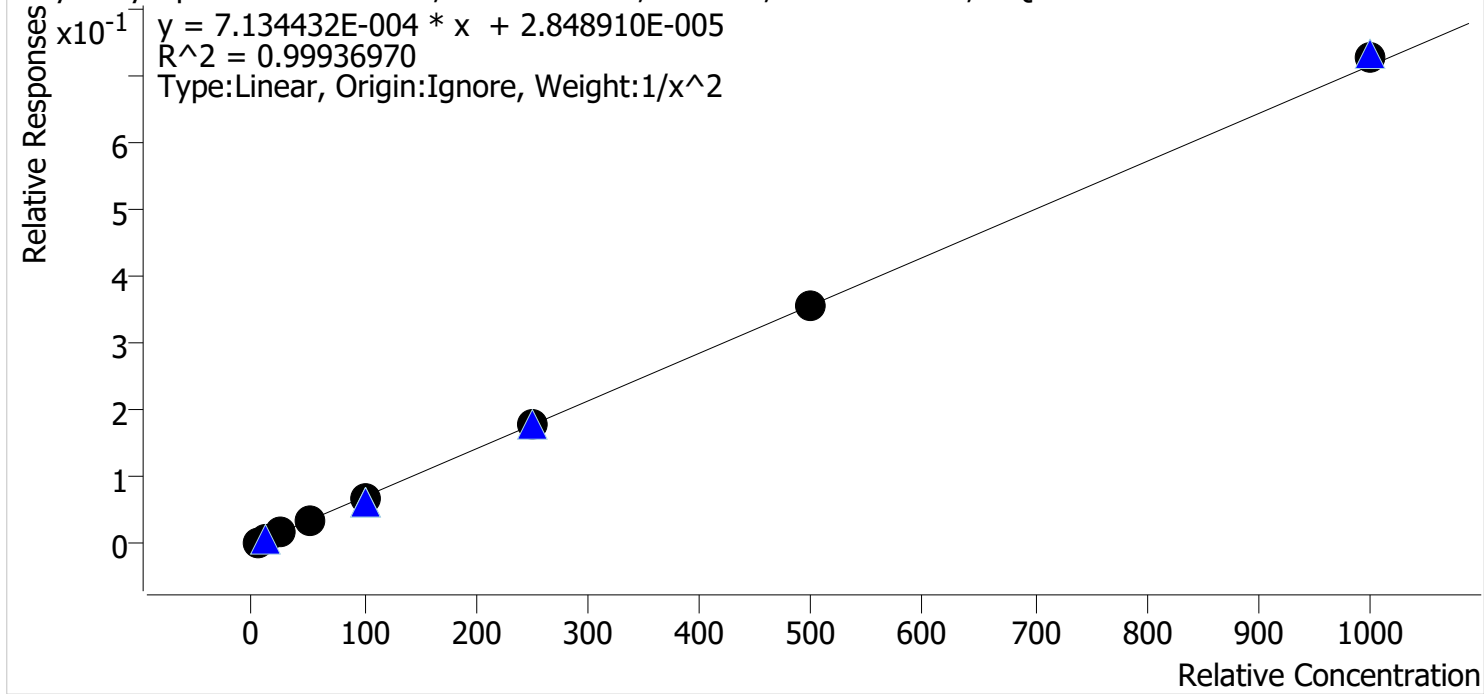
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** 9-hydroxyrisperidone **Internal Standard** 9-hydroxyrisperidone-D4

9-hydroxyrisperidone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	48.0	96.1
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1015.3	101.5

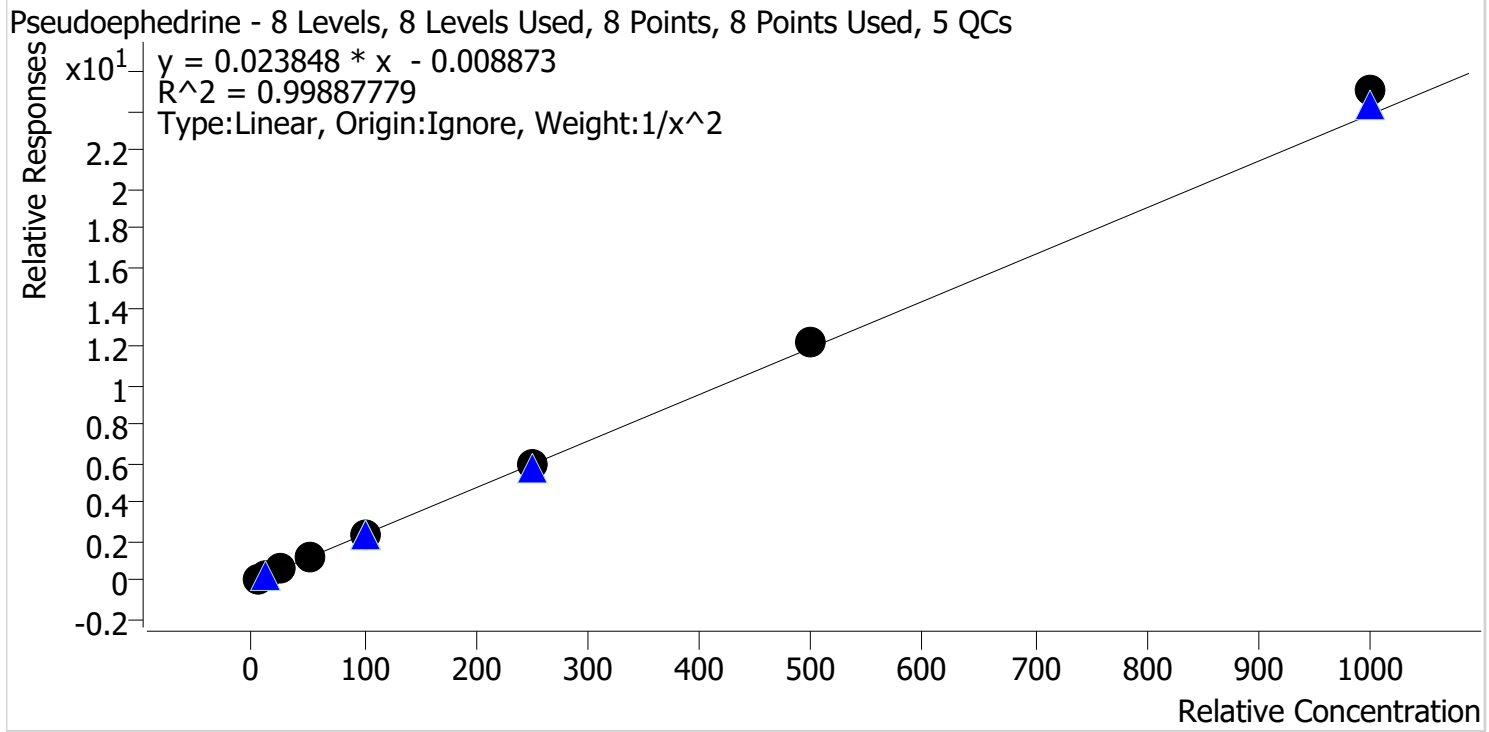


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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



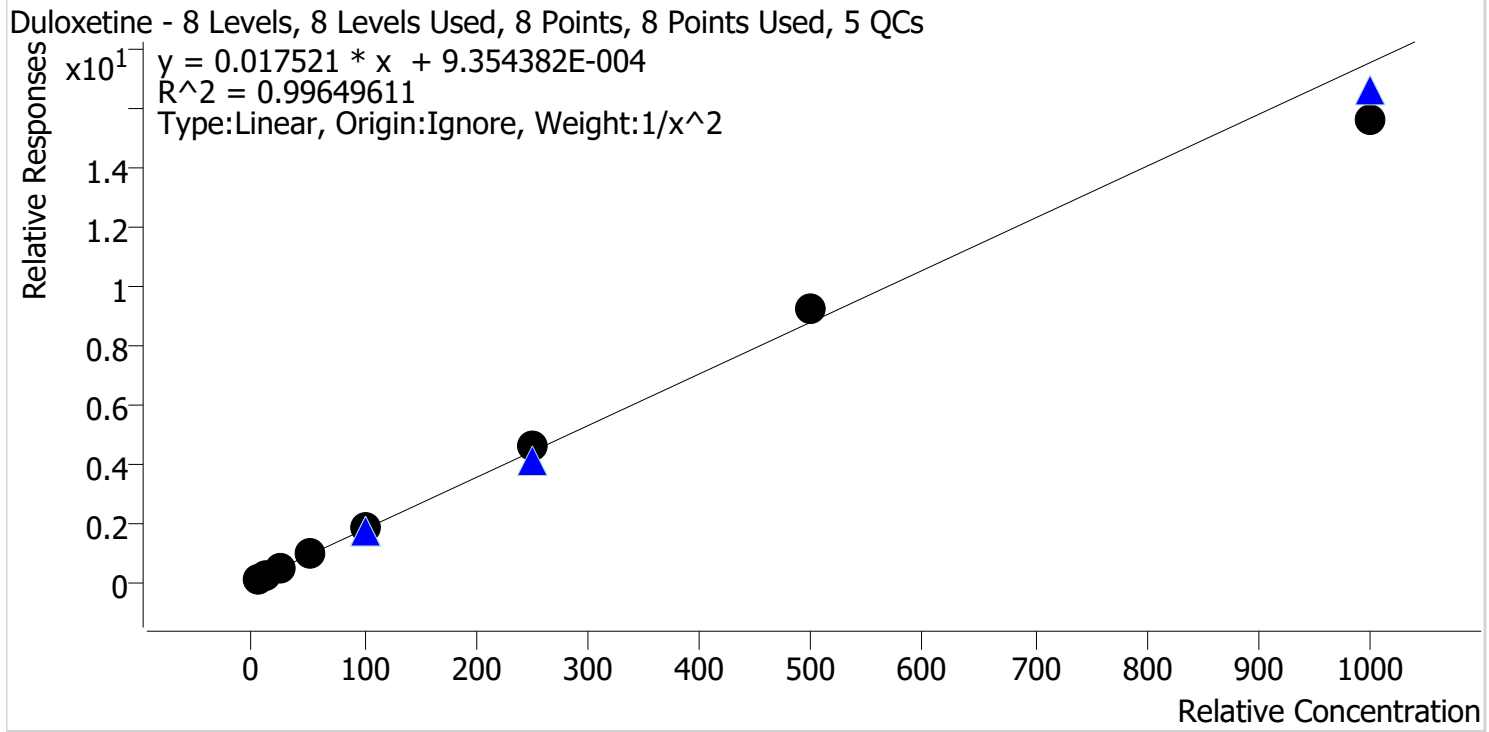
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	510.7	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1051.4	105.1

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-D3



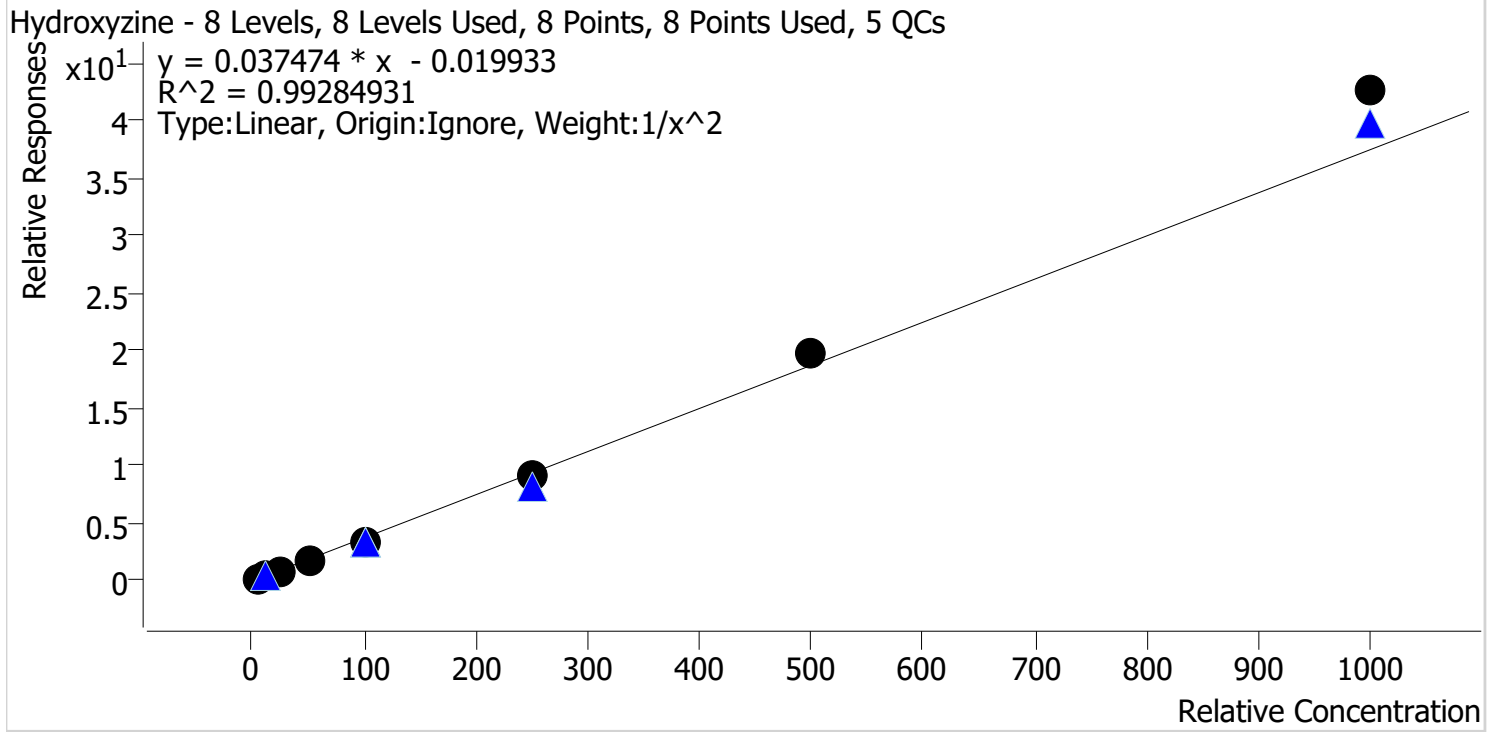
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	260.0	104.0
p1 Cal 7-500ng	7	✓	500.0	527.4	105.5
p1 Cal 8-1000ng	8	✓	1000.0	888.9	88.9

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydroxyzine **Internal Standard** Dextromethorphan-D3



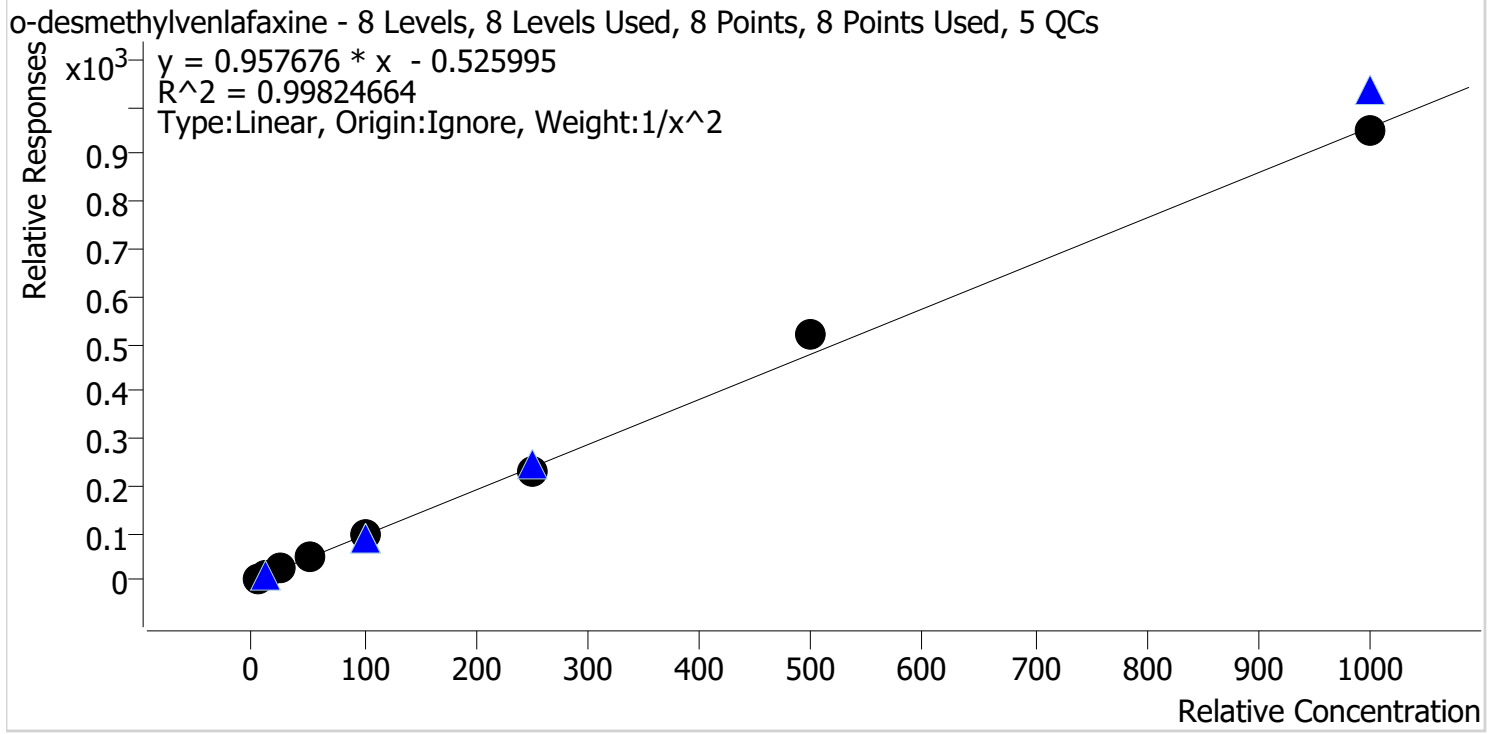
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	46.7	93.4
p1 Cal 5-100ng	5	✓	100.0	91.2	91.2
p1 Cal 6-250ng	6	✓	250.0	244.3	97.7
p1 Cal 7-500ng	7	✓	500.0	531.7	106.3
p1 Cal 8-1000ng	8	✓	1000.0	1137.1	113.7

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	541.7	108.3
p1 Cal 8-1000ng	8	✓	1000.0	992.9	99.3

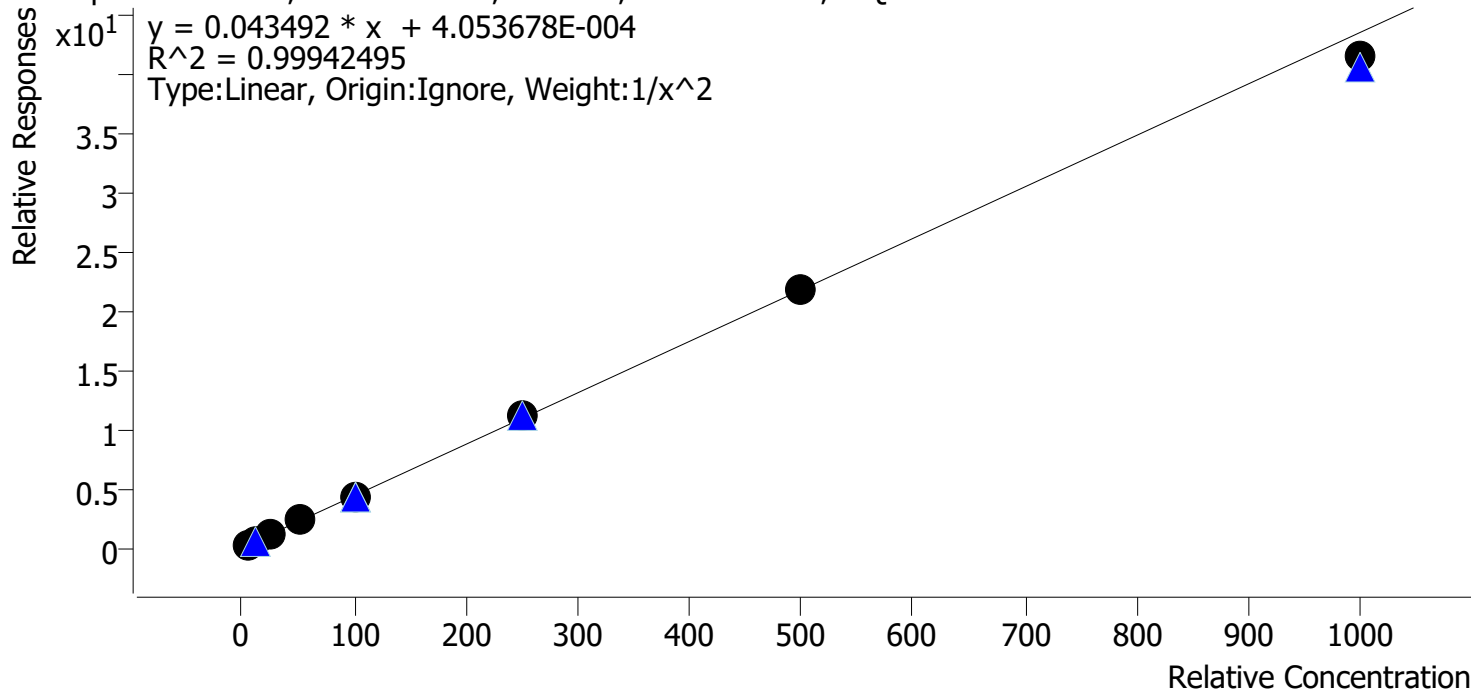
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Olanzapine **Internal Standard** Olanzapine-D8

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



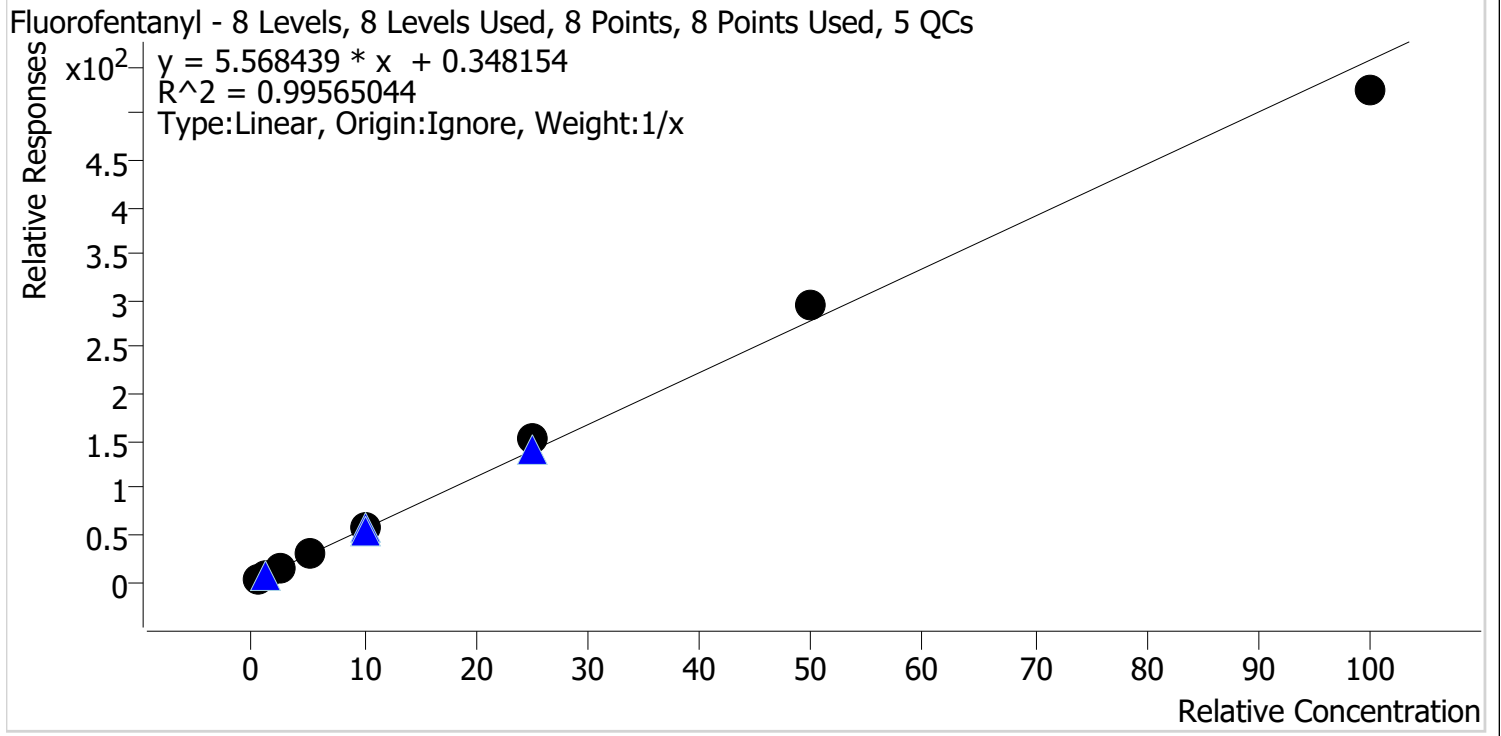
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	500.9	100.2
p1 Cal 8-1000ng	8	✓	1000.0	953.1	95.3

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluorofentanyl **Internal Standard** Fluorofentanyl-D5



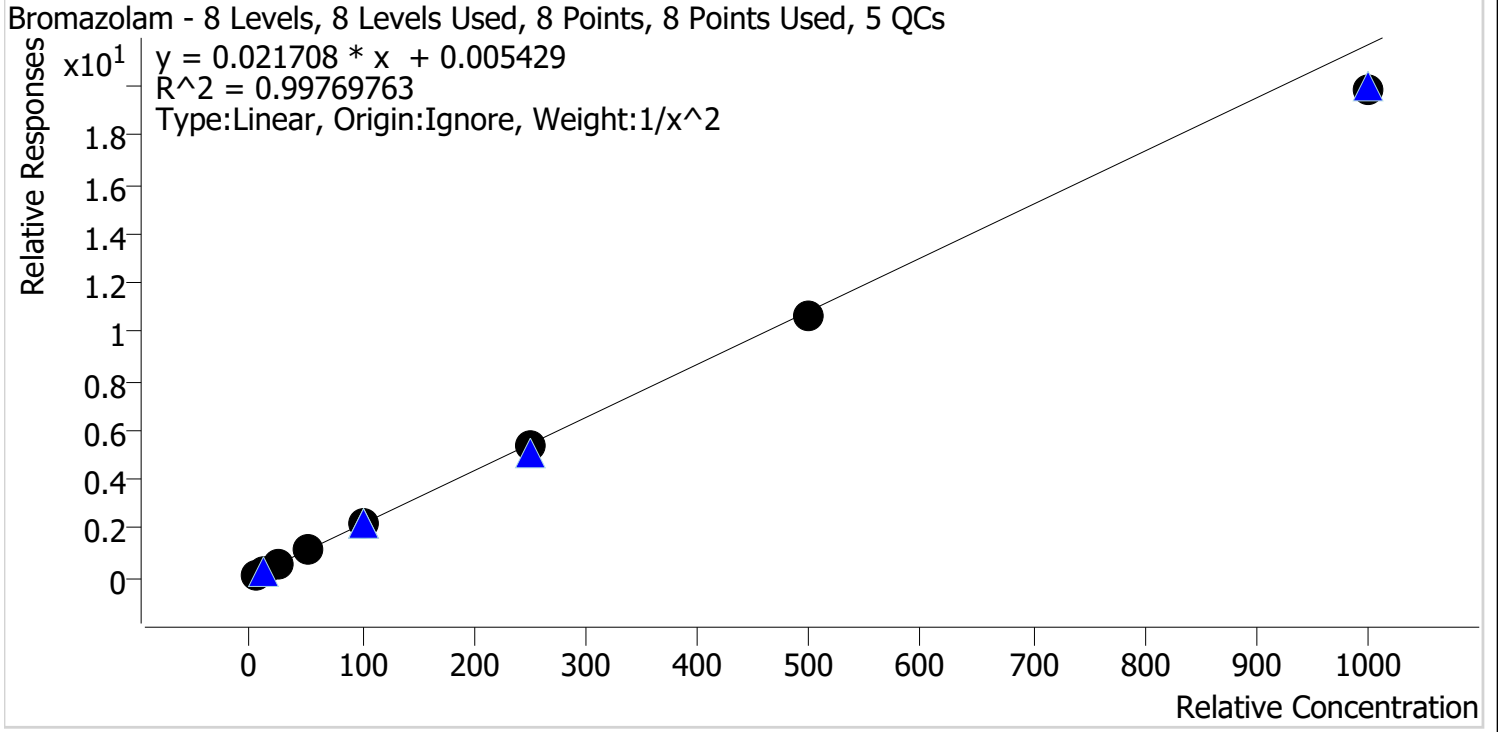
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.4	87.2
p1 Cal 2-10ng	2	✓	1.0	1.0	98.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.0
p1 Cal 4-50ng	4	✓	5.0	5.2	104.3
p1 Cal 5-100ng	5	✓	10.0	10.4	104.3
p1 Cal 6-250ng	6	✓	25.0	27.1	108.4
p1 Cal 7-500ng	7	✓	50.0	53.3	106.5
p1 Cal 8-1000ng	8	✓	100.0	94.1	94.1

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Bromazolam **Internal Standard** Bromazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	493.3	98.7
p1 Cal 8-1000ng	8	✓	1000.0	916.5	91.6

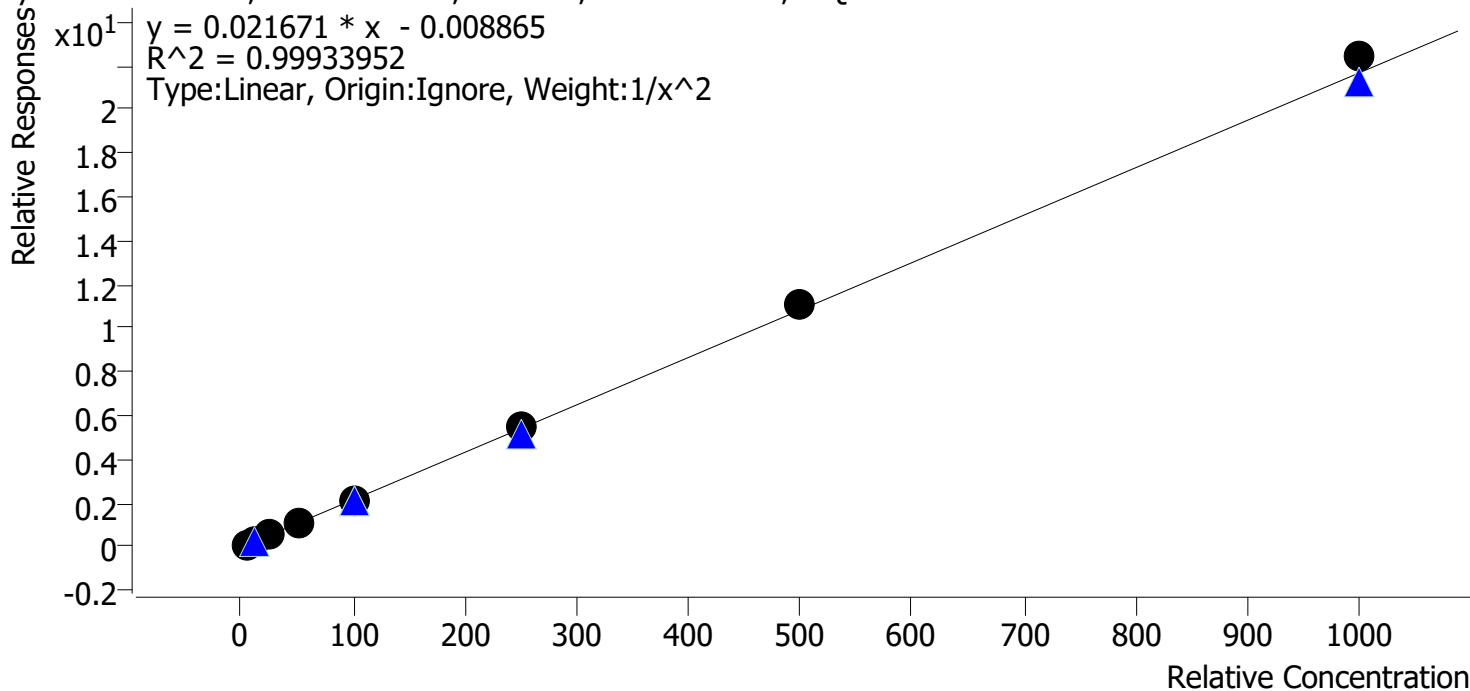
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Xylazine **Internal Standard** Xylanzine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	509.5	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1034.4	103.4



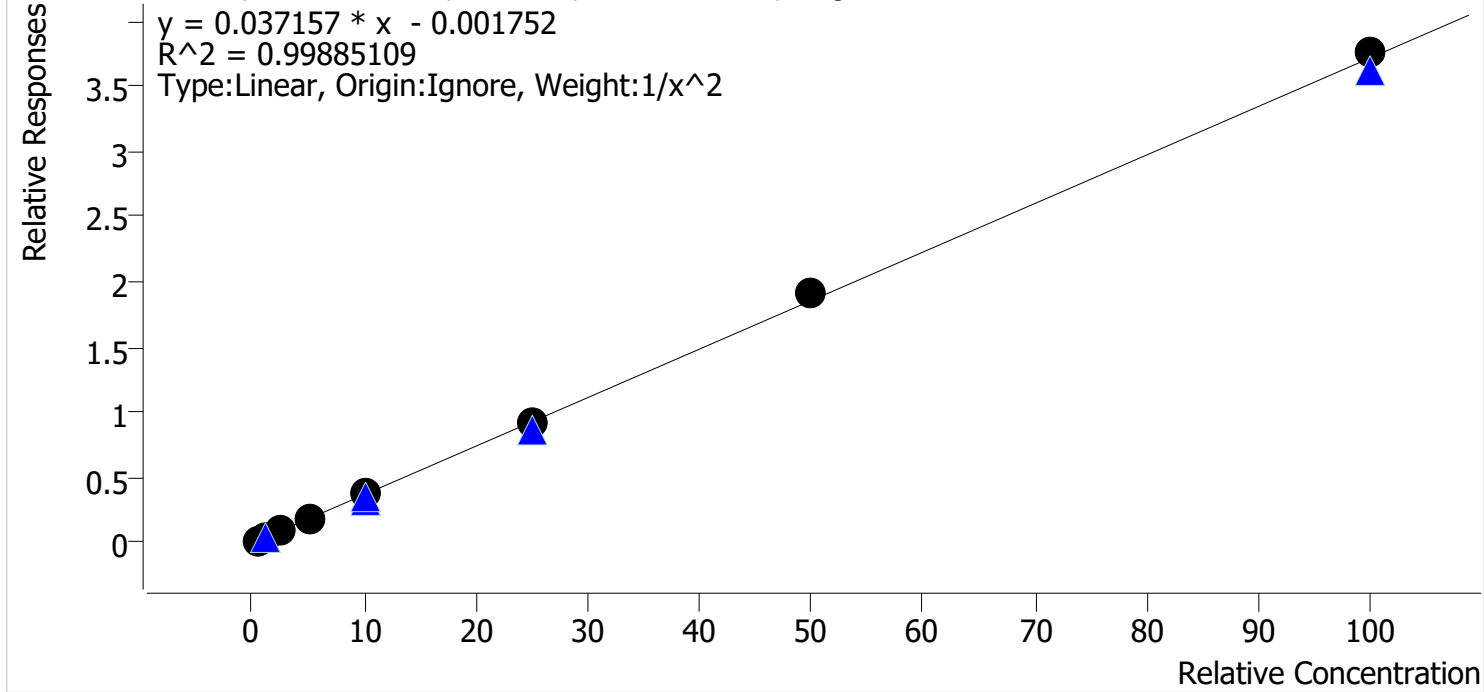
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.6
p1 Cal 2-10ng	2	✓	1.0	1.0	98.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.4
p1 Cal 4-50ng	4	✓	5.0	4.8	95.4
p1 Cal 5-100ng	5	✓	10.0	10.4	104.0
p1 Cal 6-250ng	6	✓	25.0	25.1	100.4
p1 Cal 7-500ng	7	✓	50.0	51.2	102.4
p1 Cal 8-1000ng	8	✓	100.0	101.1	101.1

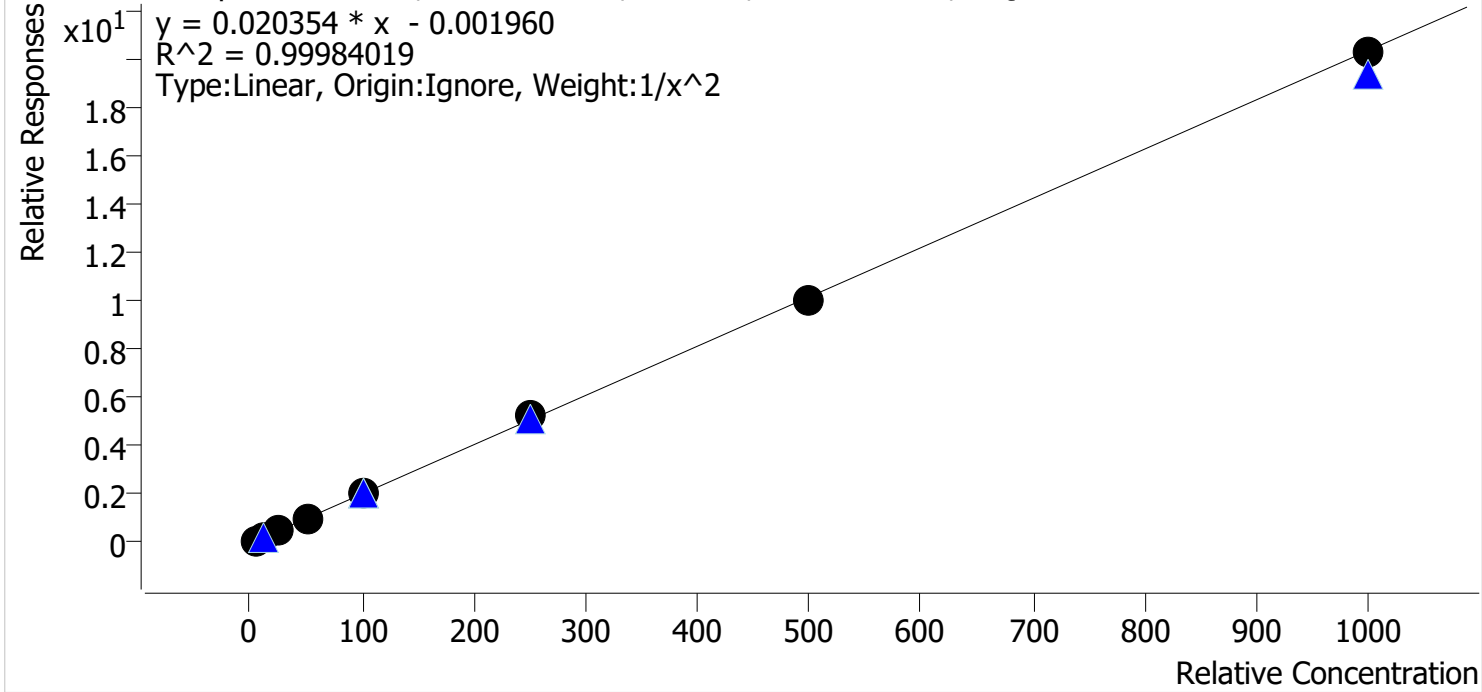
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



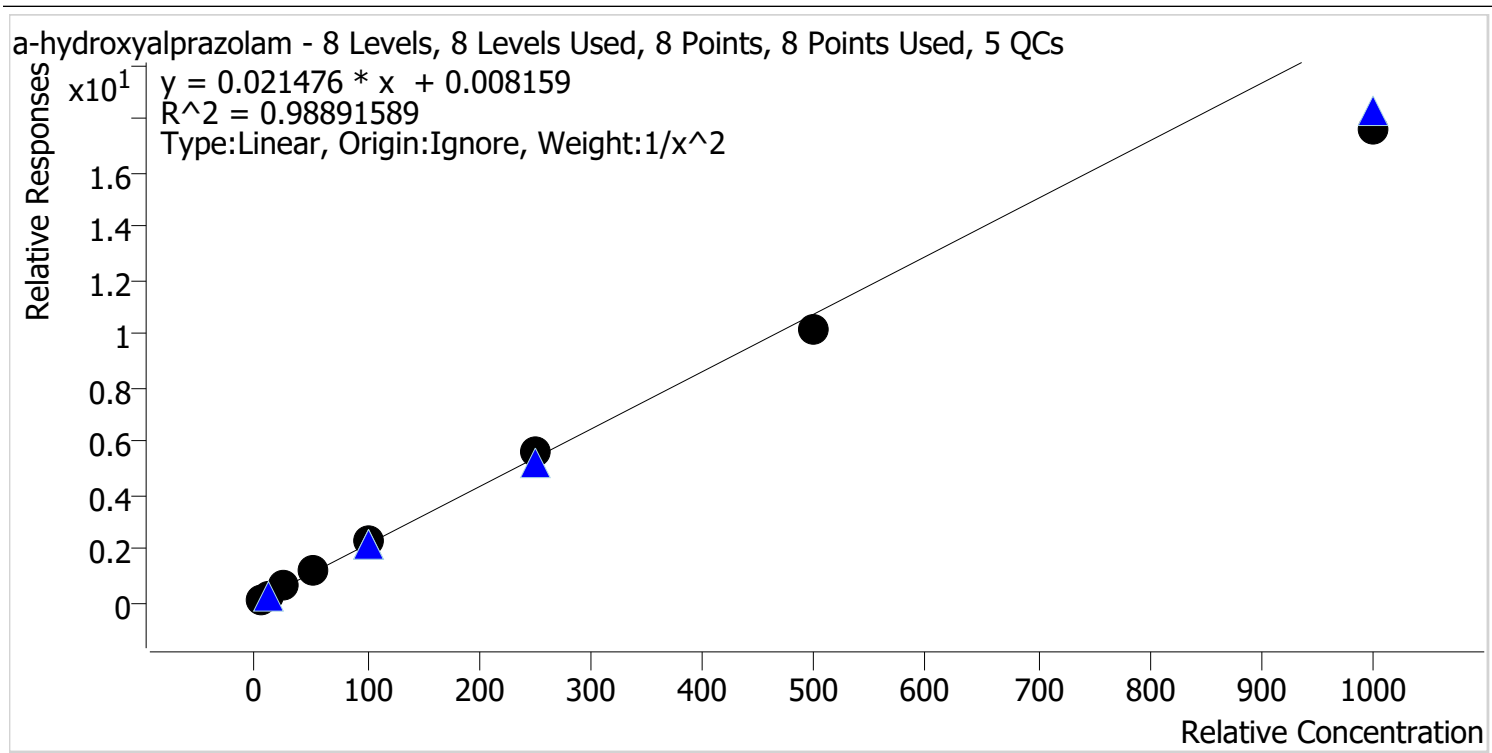
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	995.9	99.6

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	27.5	109.8
p1 Cal 4-50ng	4	✓	50.0	54.9	109.8
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	258.0	103.2
p1 Cal 7-500ng	7	✓	500.0	470.3	94.1
p1 Cal 8-1000ng	8	✓	1000.0	819.9	82.0

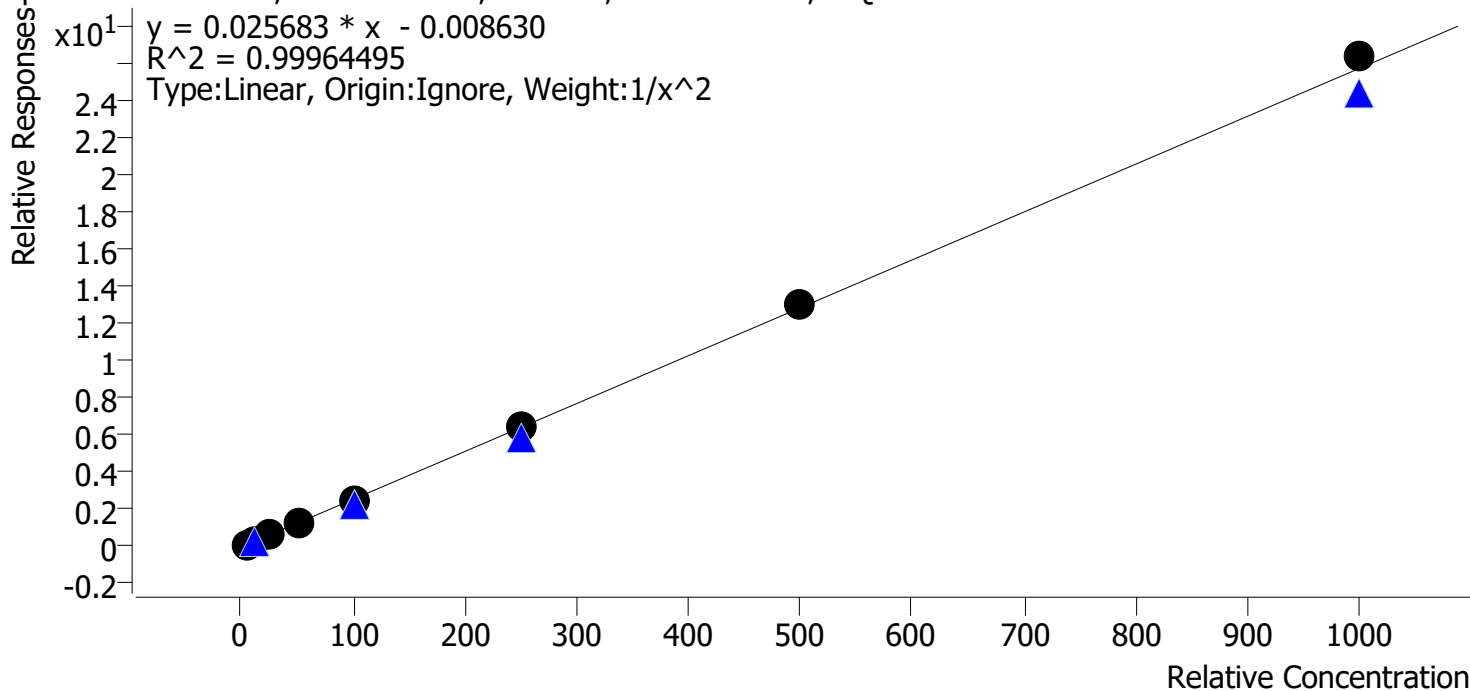
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-D8

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



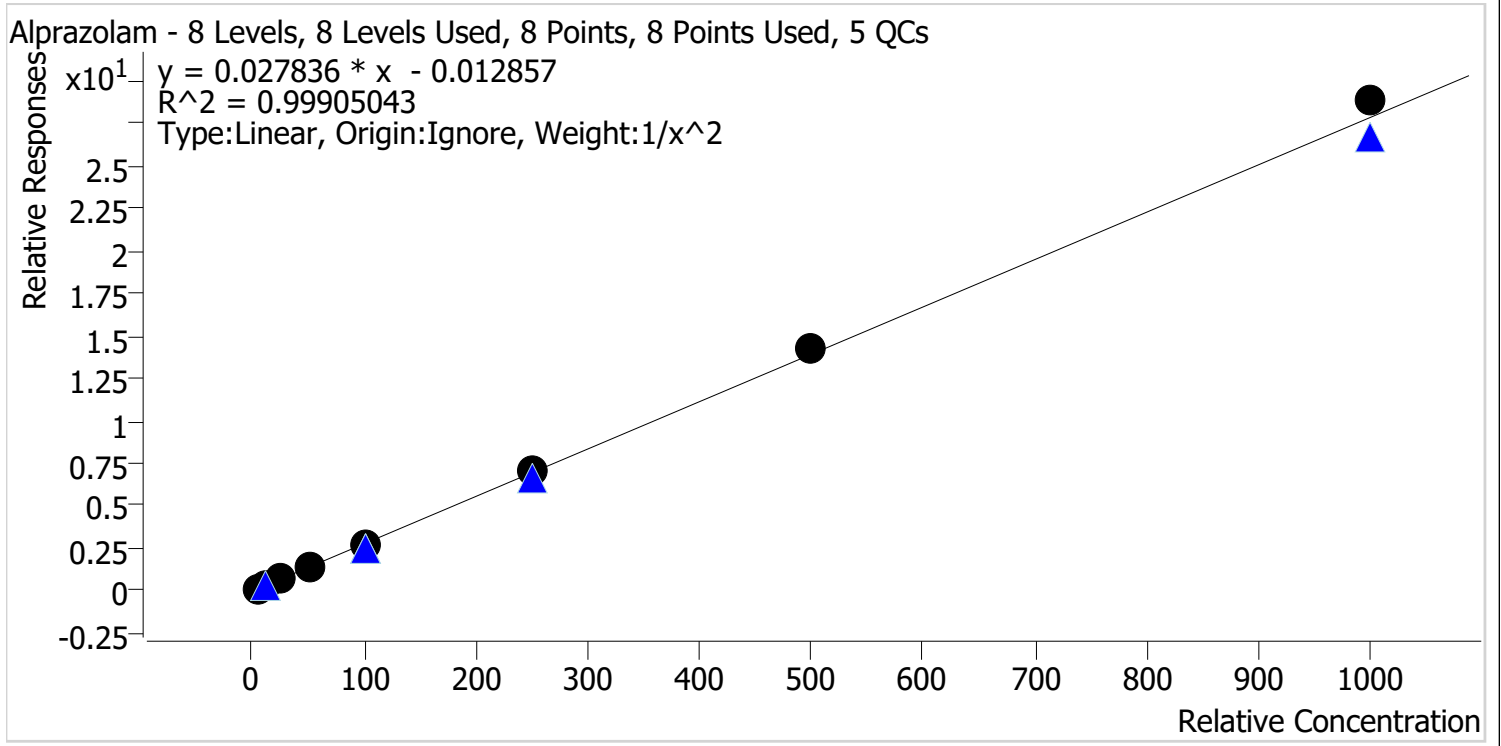
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.0	98.1
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	509.7	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1024.8	102.5

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



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	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	509.2	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1035.7	103.6

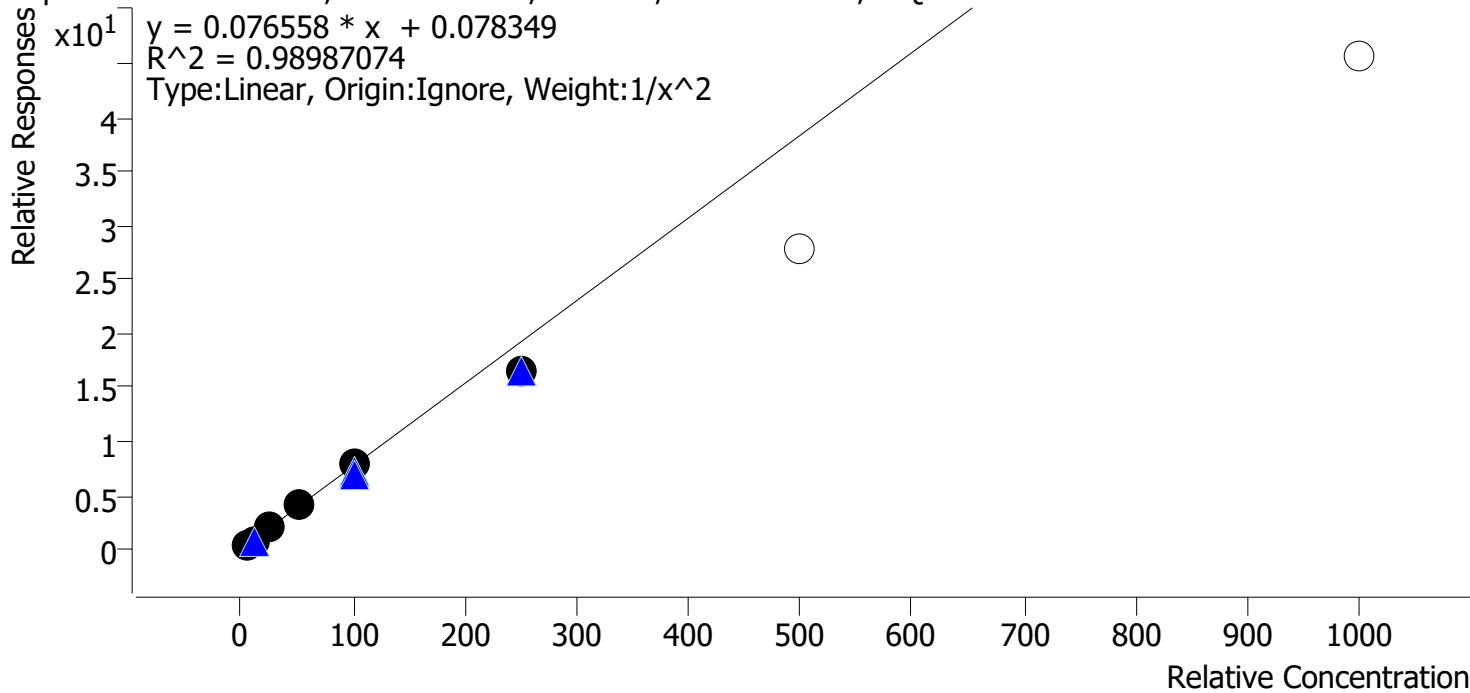
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



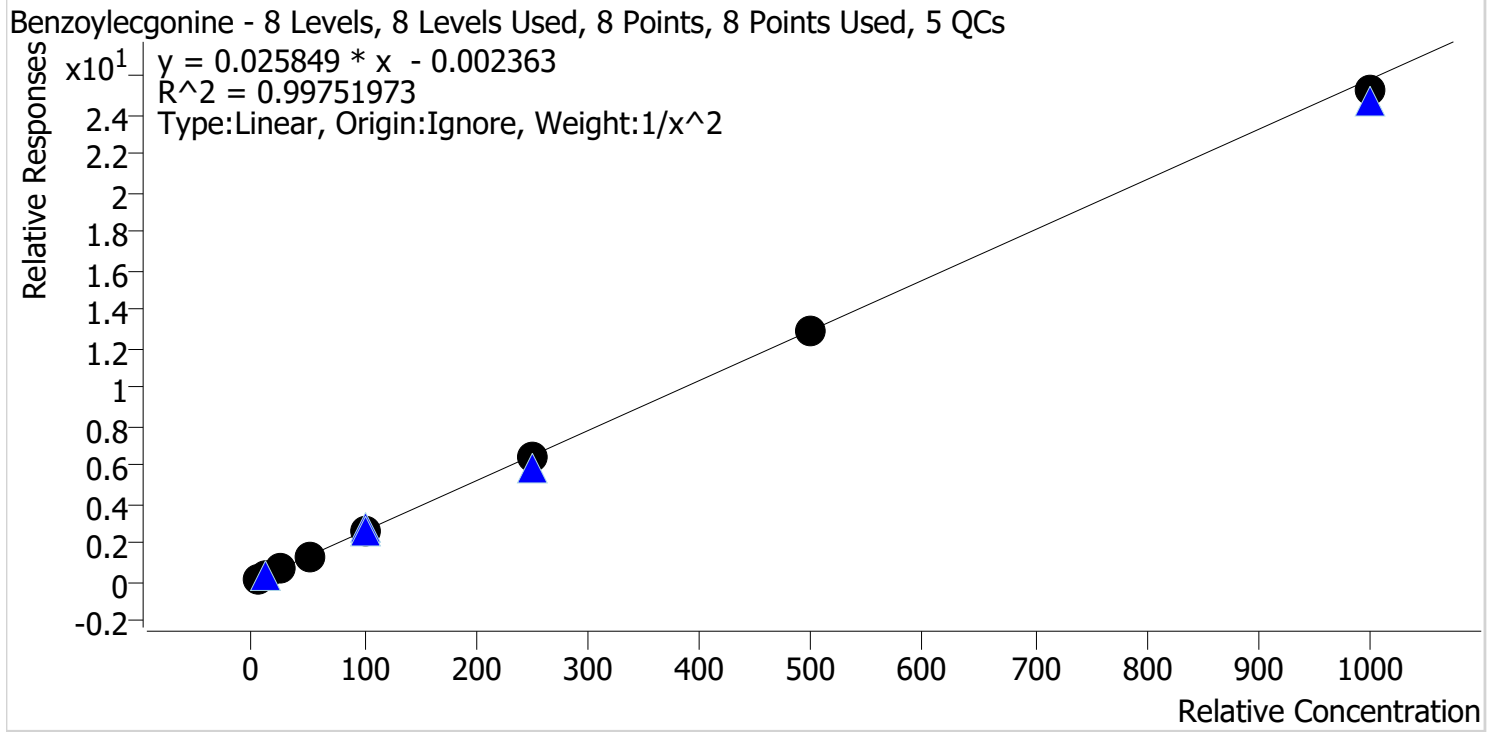
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	213.6	85.5
p1 Cal 7-500ng	7	x	500.0	361.0	72.2
p1 Cal 8-1000ng	8	x	1000.0	595.0	59.5

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



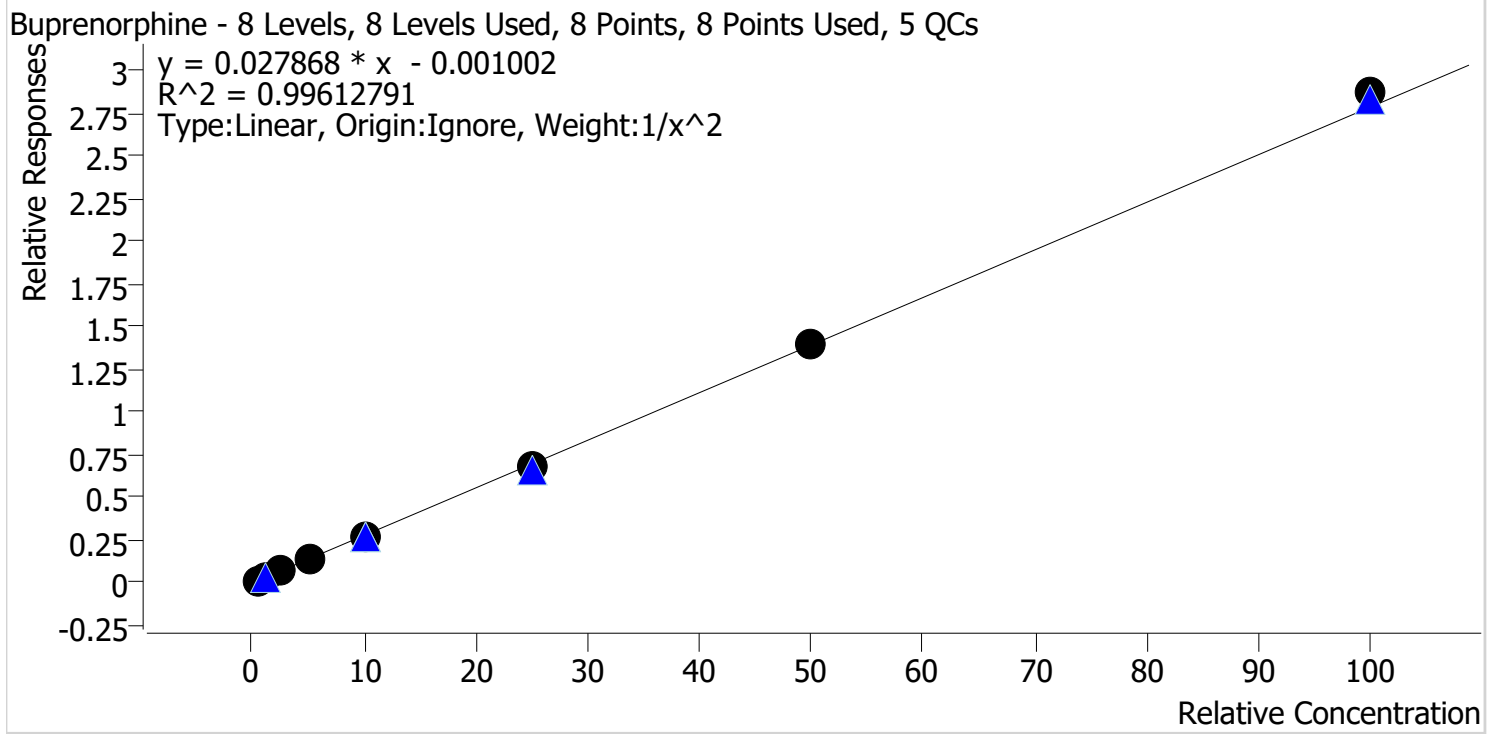
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.1	90.8
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	500.2	100.0
p1 Cal 8-1000ng	8	✓	1000.0	977.4	97.7

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	95.2
p1 Cal 2-10ng	2	✓	1.0	1.1	111.5
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.8
p1 Cal 4-50ng	4	✓	5.0	5.0	99.7
p1 Cal 5-100ng	5	✓	10.0	9.5	94.7
p1 Cal 6-250ng	6	✓	25.0	24.7	99.0
p1 Cal 7-500ng	7	✓	50.0	50.0	100.0
p1 Cal 8-1000ng	8	✓	100.0	103.1	103.1

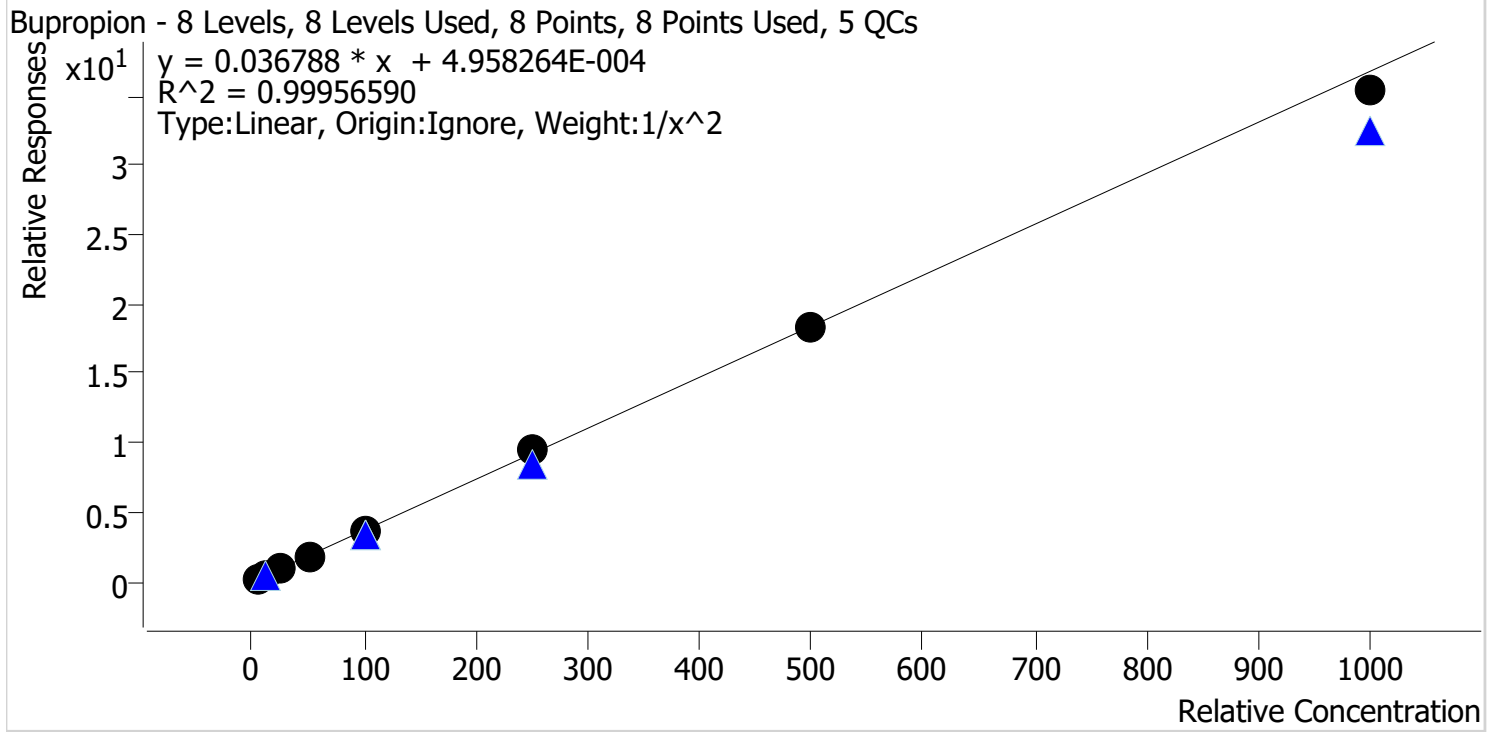


TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



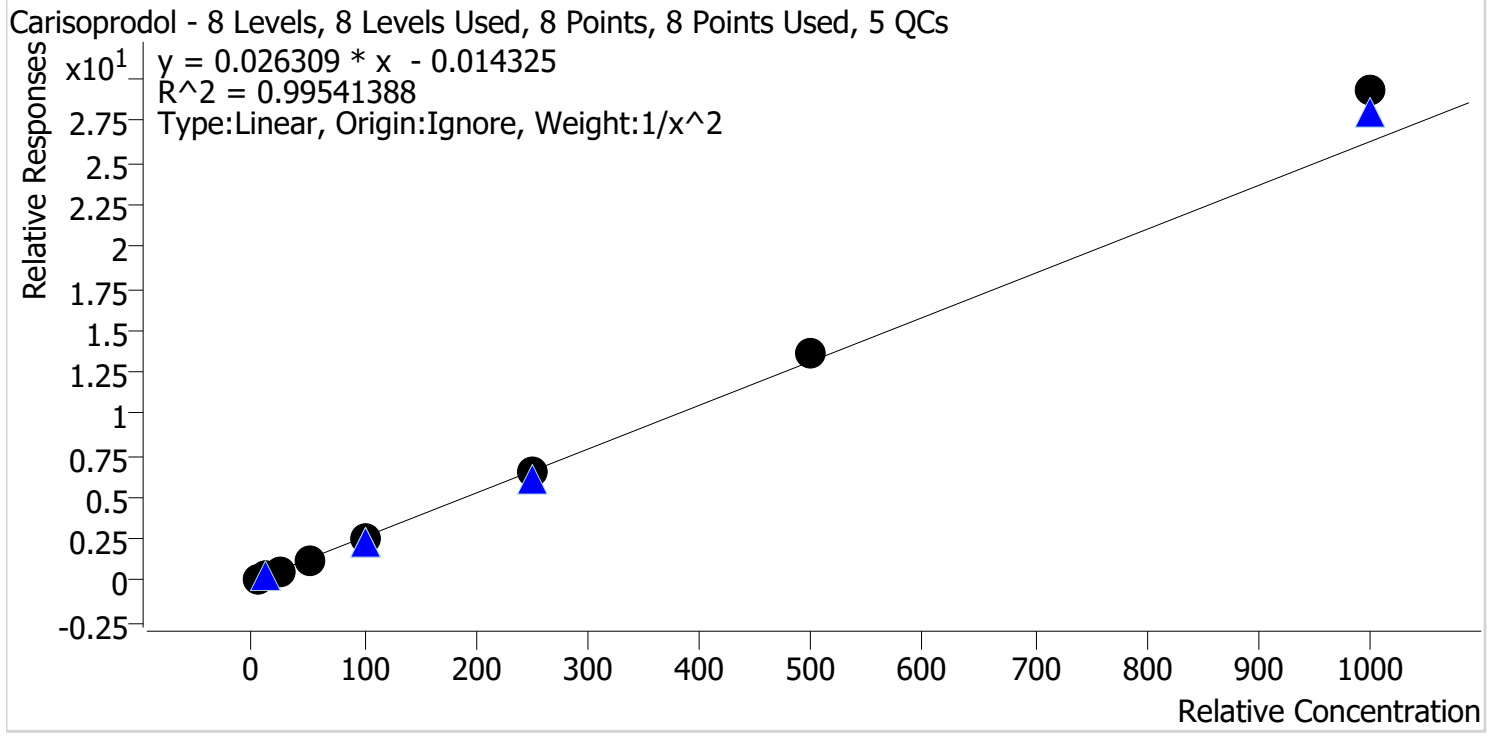
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	500.0	100.0
p1 Cal 8-1000ng	8	✓	1000.0	962.1	96.2

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	244.3	97.7
p1 Cal 7-500ng	7	✓	500.0	519.4	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1116.0	111.6

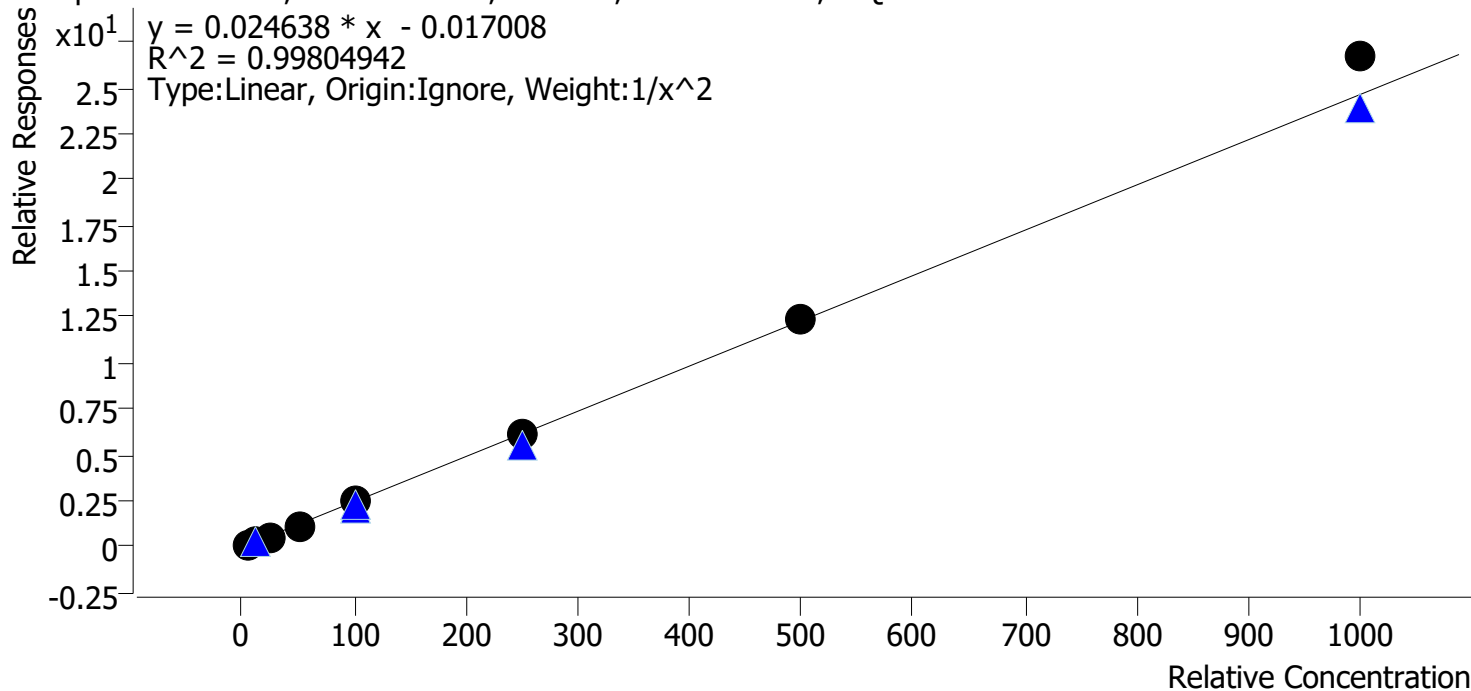
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



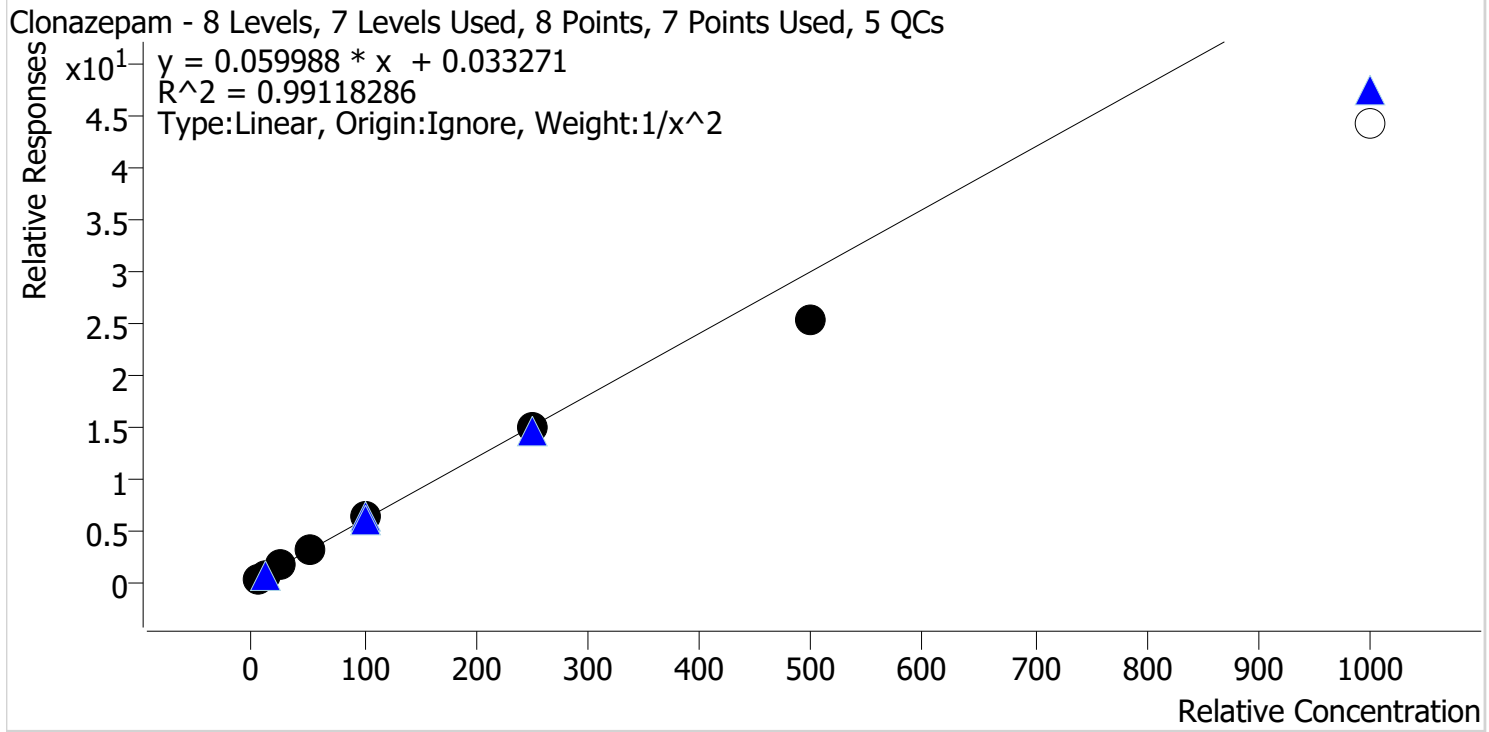
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	499.8	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1083.8	108.4

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datator  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	422.3	84.5
p1 Cal 8-1000ng	8	✗	1000.0	736.2	73.6

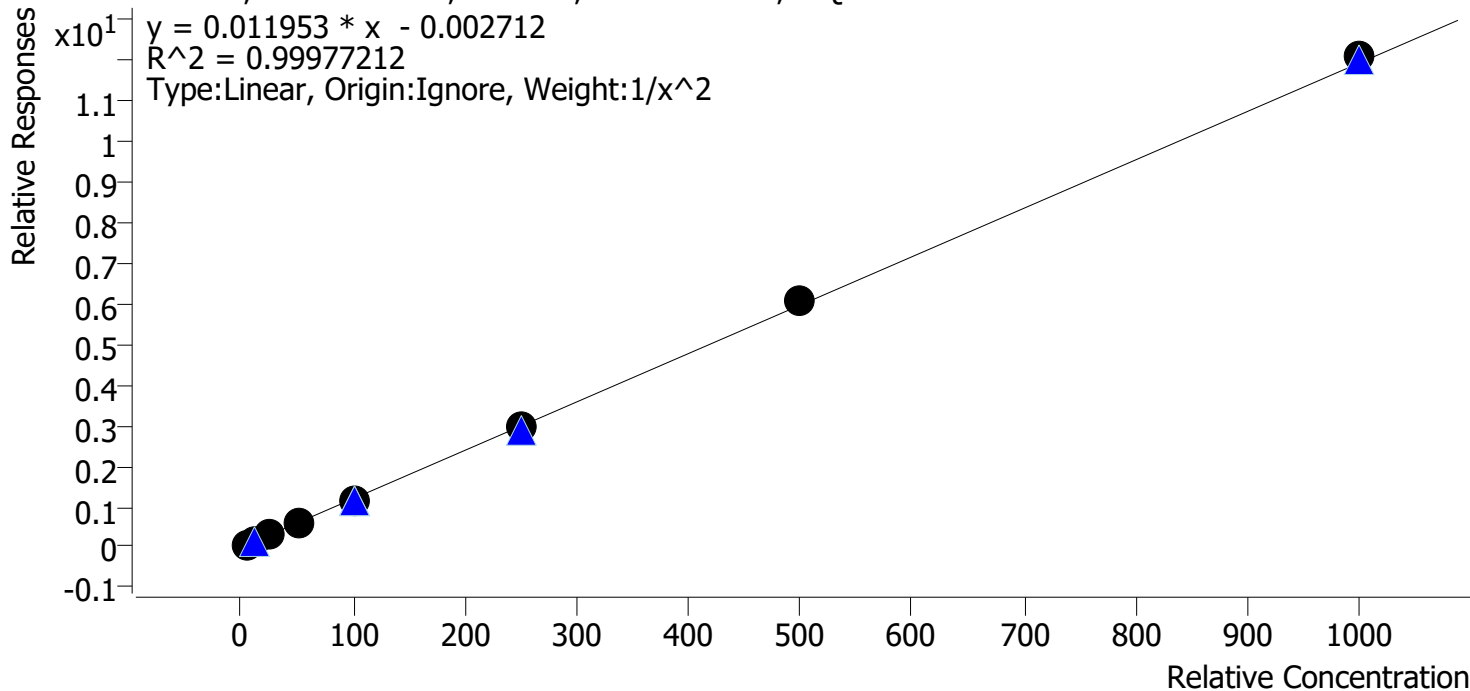
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	506.2	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1013.4	101.3

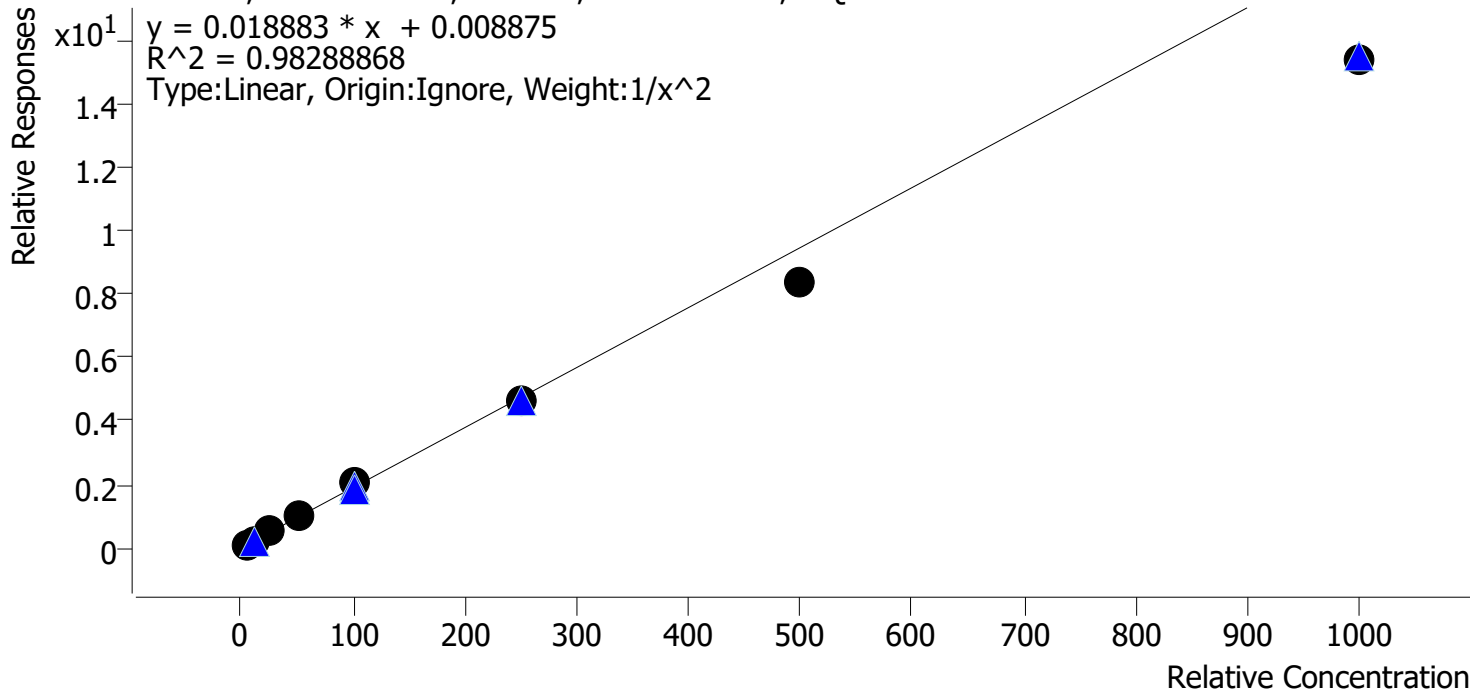
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	92.5
p1 Cal 2-10ng	2	✓	10.0	10.9	108.5
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.4
p1 Cal 4-50ng	4	✓	50.0	54.9	109.8
p1 Cal 5-100ng	5	✓	100.0	111.2	111.2
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	441.1	88.2
p1 Cal 8-1000ng	8	✓	1000.0	815.9	81.6

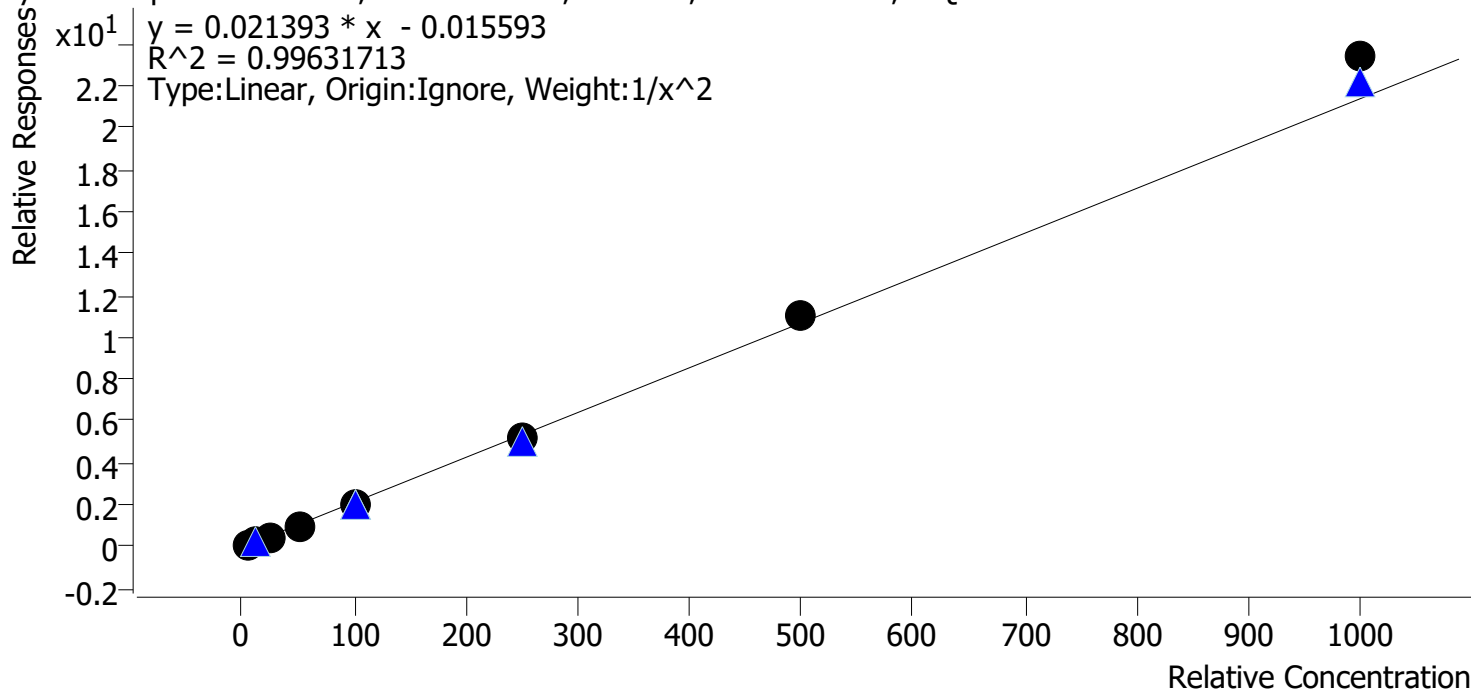
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



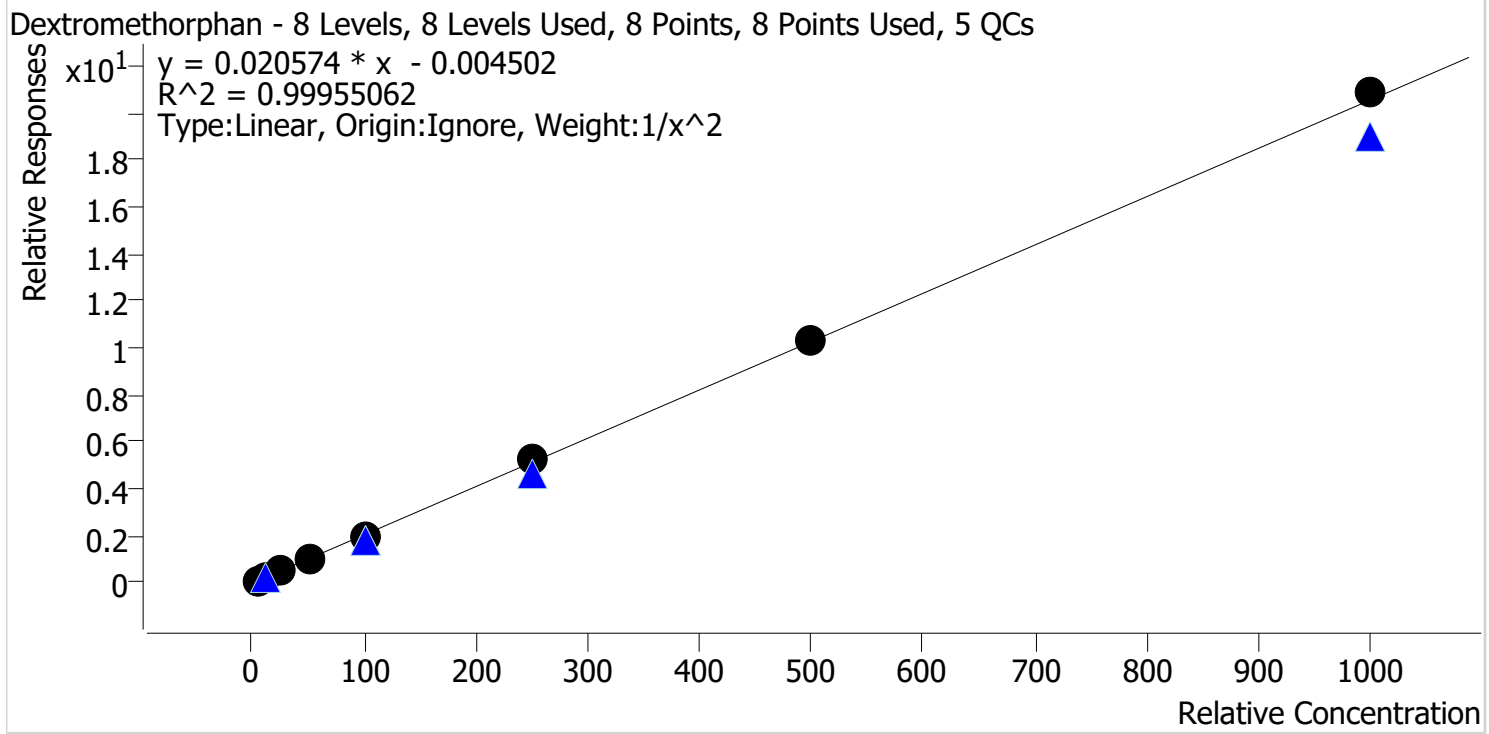
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.6
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	520.6	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1094.0	109.4

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	505.5	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1015.5	101.6

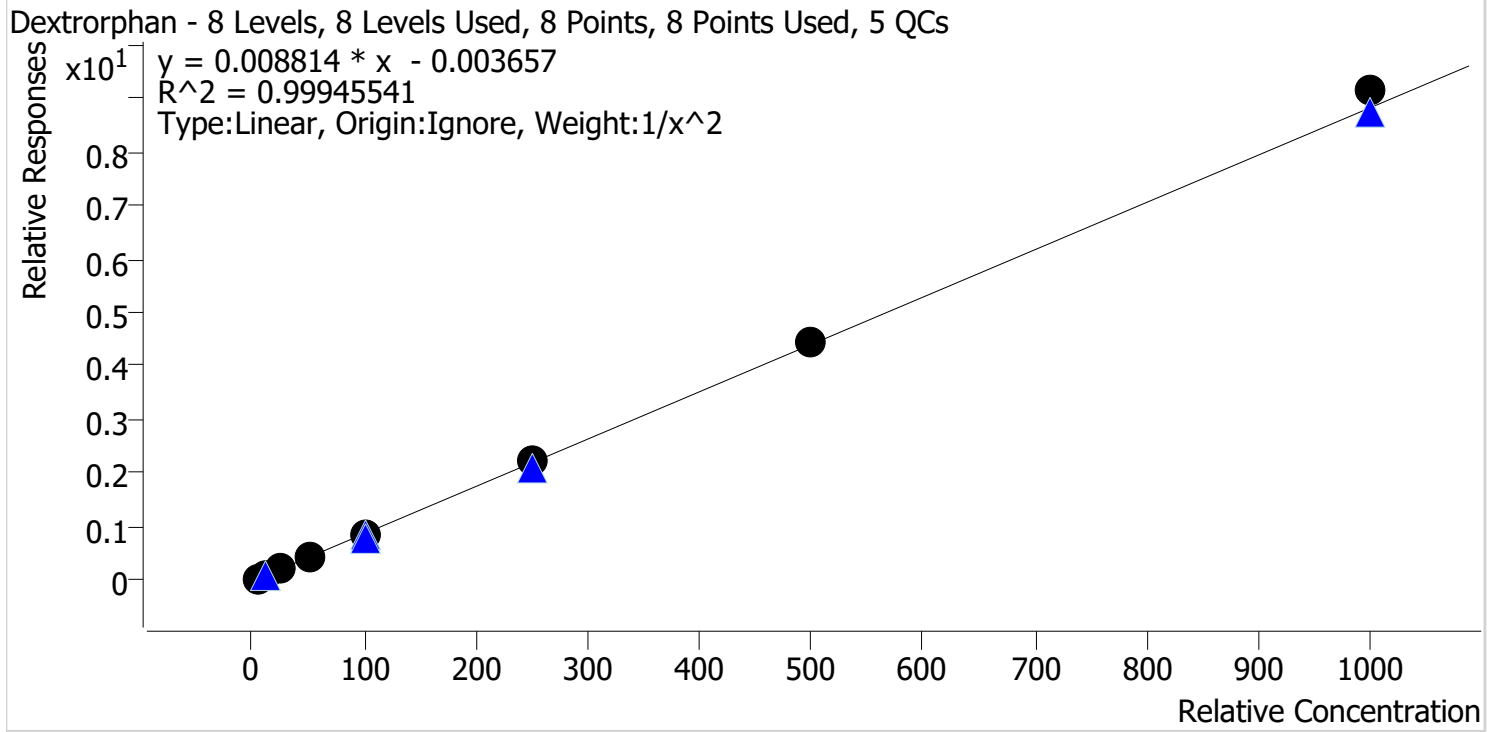


TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrophan Internal Standard Dextrophan-D3



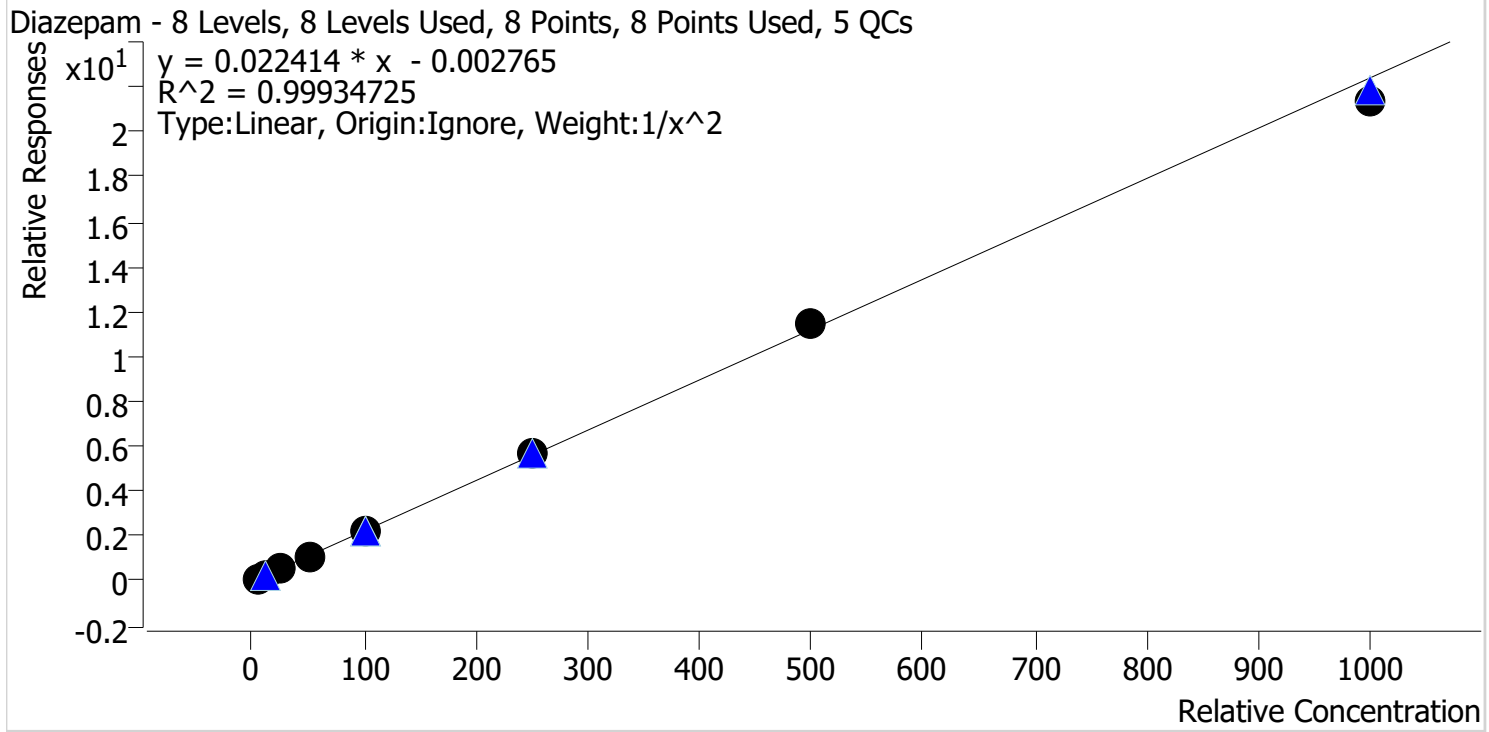
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1036.2	103.6

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



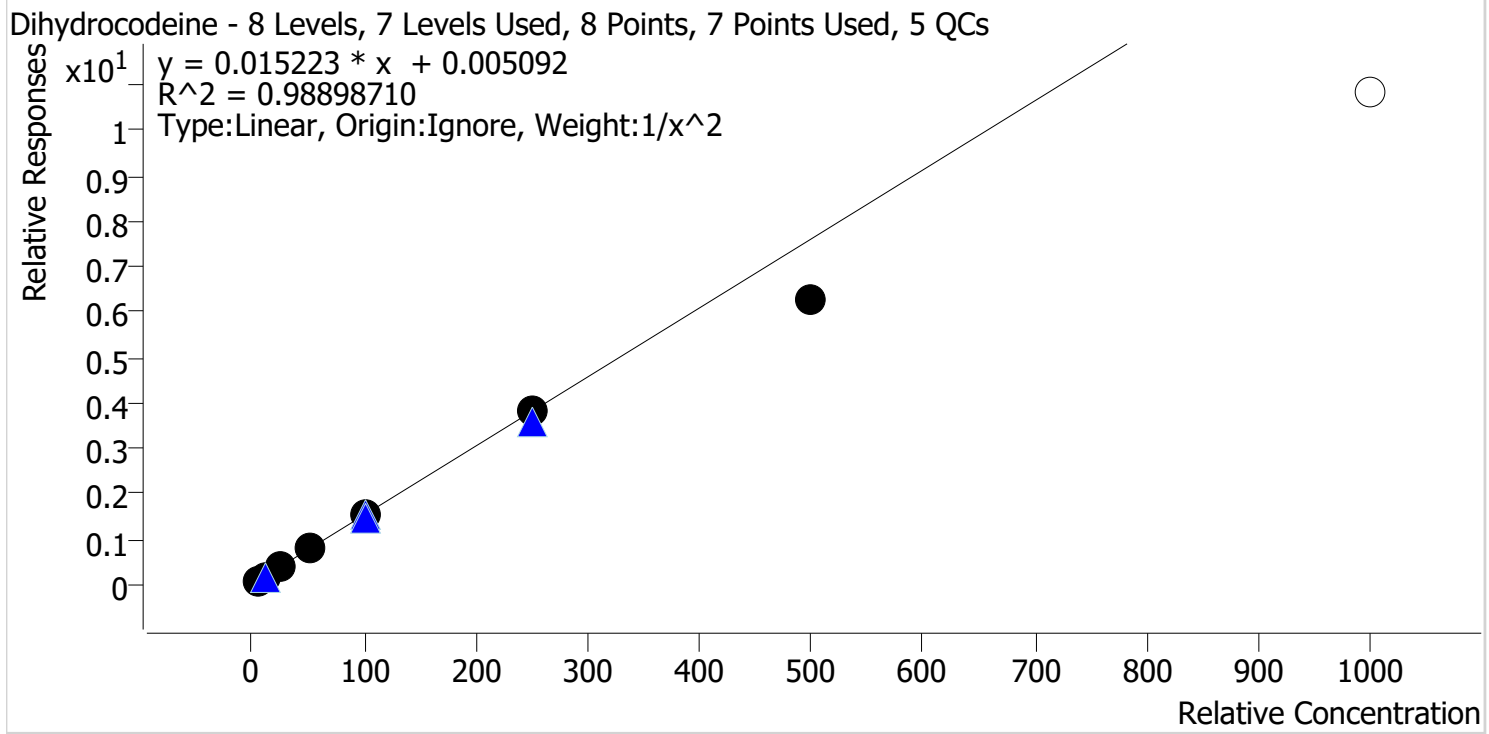
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	509.9	102.0
p1 Cal 8-1000ng	8	✓	1000.0	952.4	95.2

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng	3	✓	25.0	27.5	109.9
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	412.9	82.6
p1 Cal 8-1000ng	8	✗	1000.0	711.9	71.2

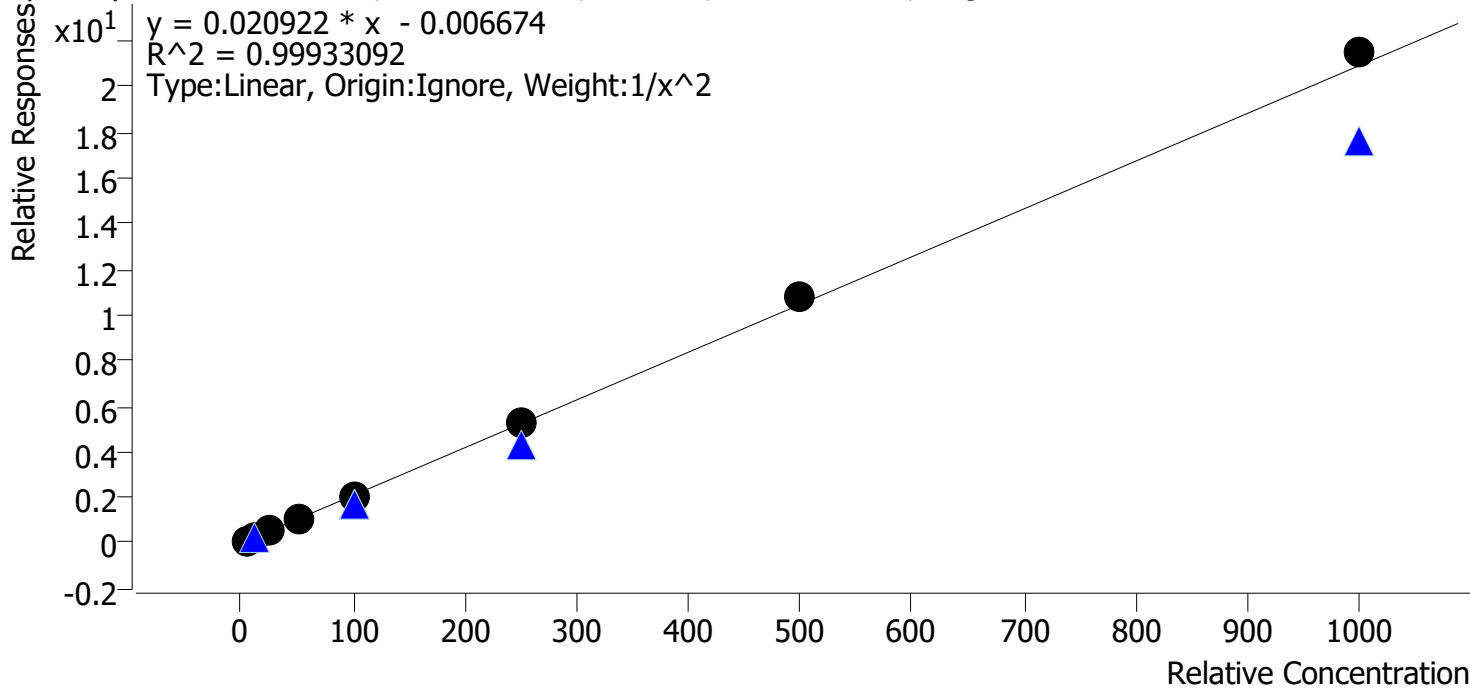
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



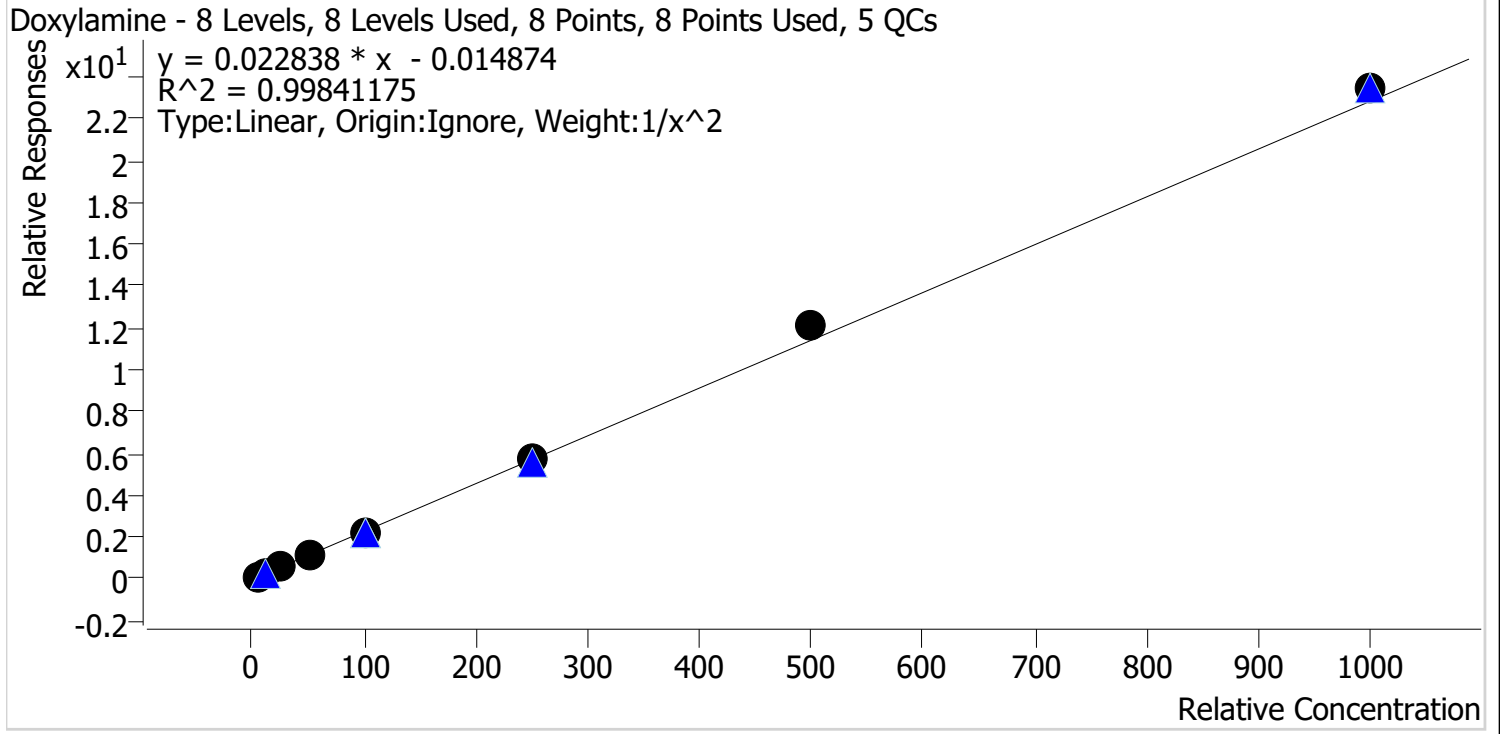
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	250.4	100.1
p1 Cal 7-500ng	7	✓	500.0	516.5	103.3
p1 Cal 8-1000ng	8	✓	1000.0	1027.4	102.7

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	529.9	106.0
p1 Cal 8-1000ng	8	✓	1000.0	1026.6	102.7

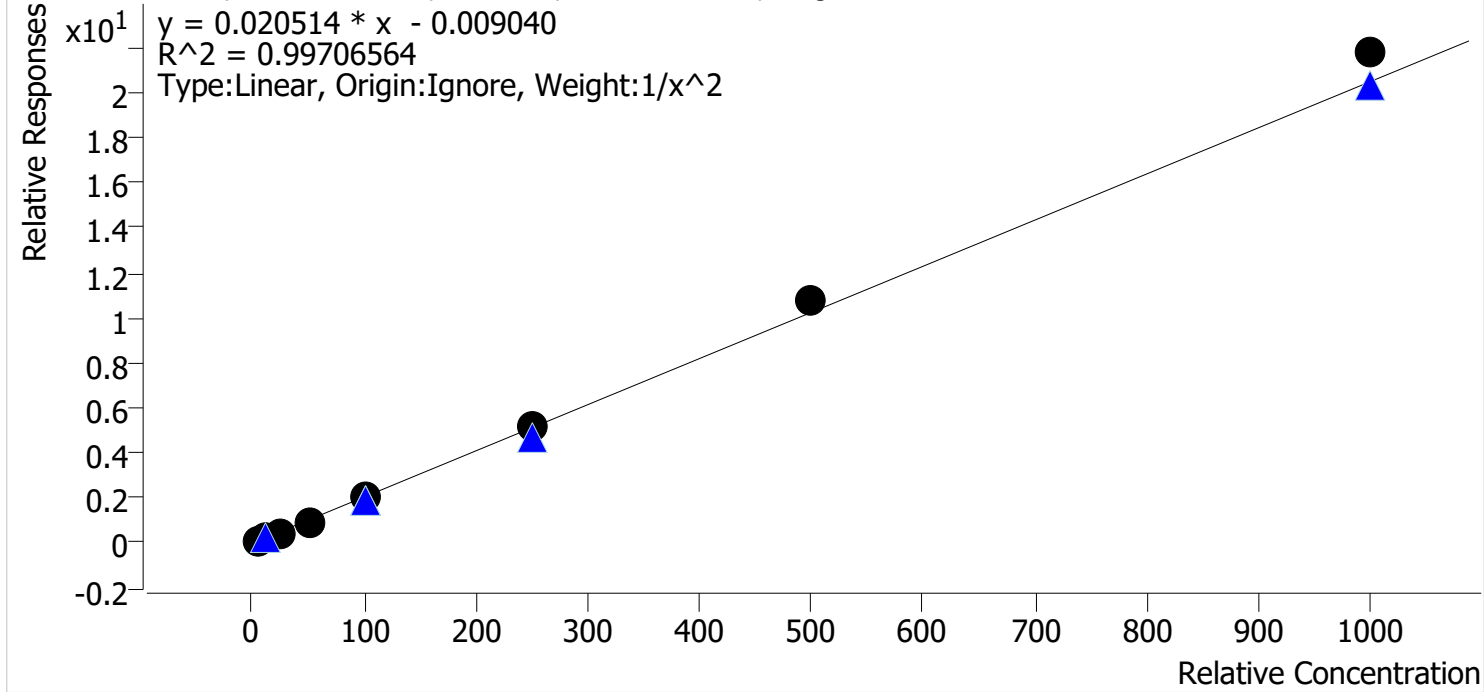
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	527.1	105.4
p1 Cal 8-1000ng	8	✓	1000.0	1063.1	106.3

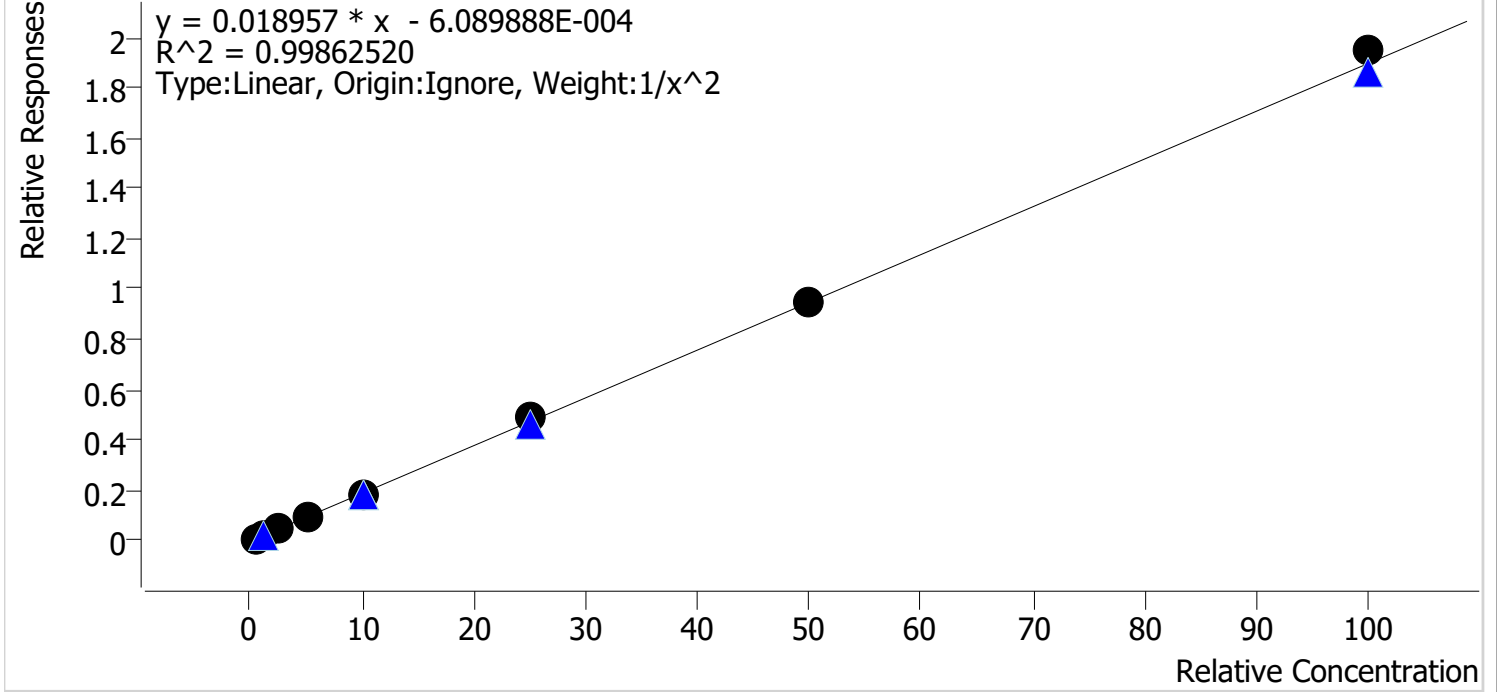
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



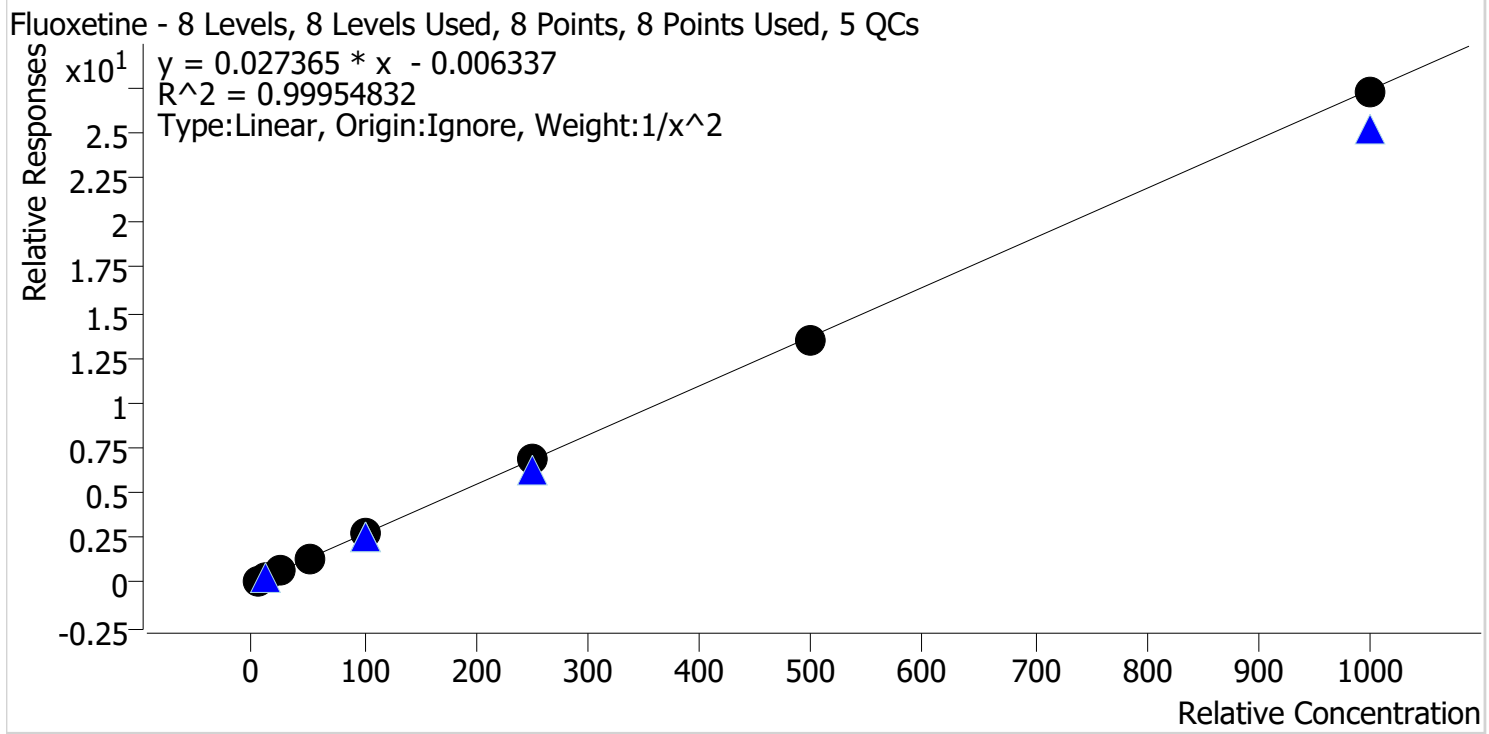
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.2
p1 Cal 2-10ng	2	✓	1.0	1.0	103.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.1
p1 Cal 4-50ng	4	✓	5.0	4.7	95.0
p1 Cal 5-100ng	5	✓	10.0	10.0	100.1
p1 Cal 6-250ng	6	✓	25.0	25.7	103.0
p1 Cal 7-500ng	7	✓	50.0	50.0	100.0
p1 Cal 8-1000ng	8	✓	100.0	102.7	102.7

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	491.7	98.3
p1 Cal 8-1000ng	8	✓	1000.0	994.3	99.4

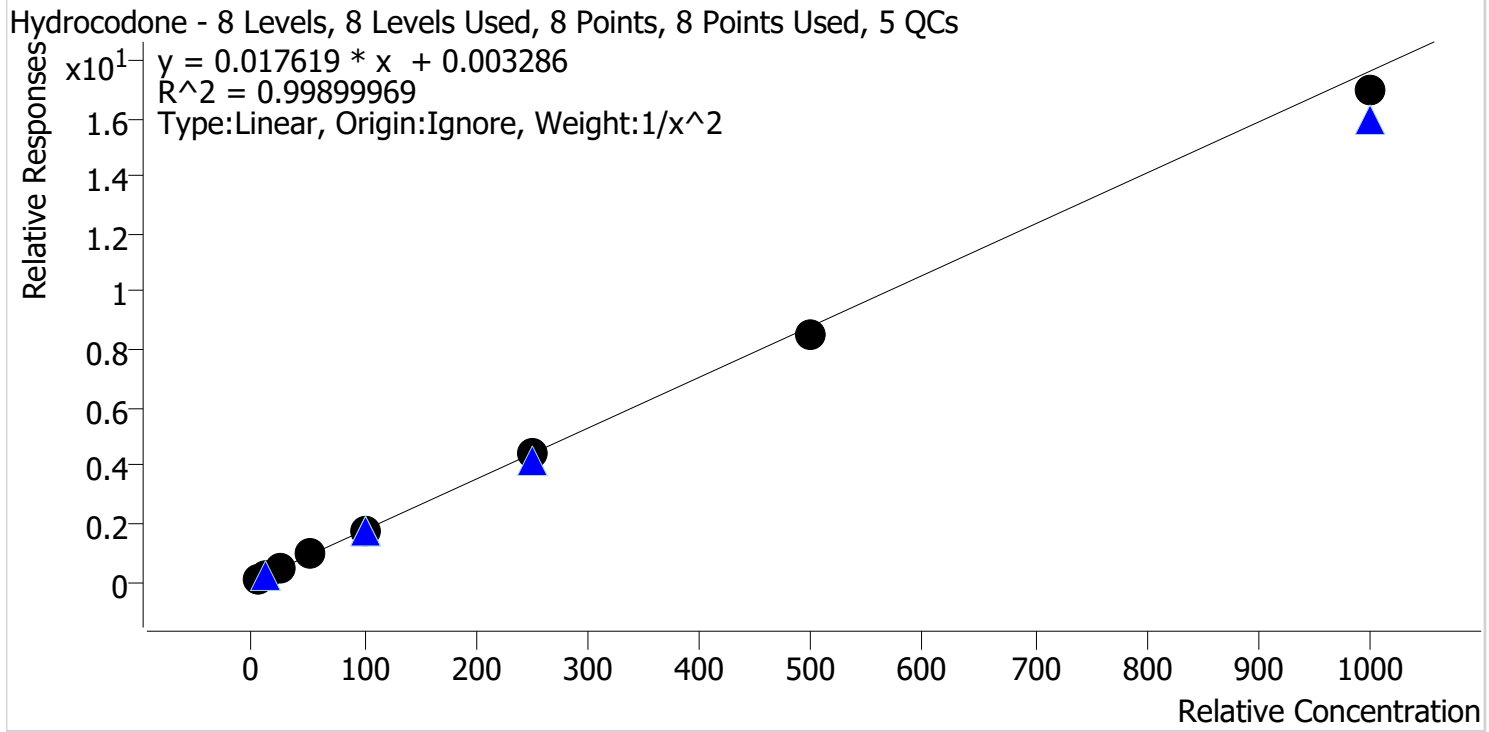


TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	480.8	96.2
p1 Cal 8-1000ng	8	✓	1000.0	961.8	96.2

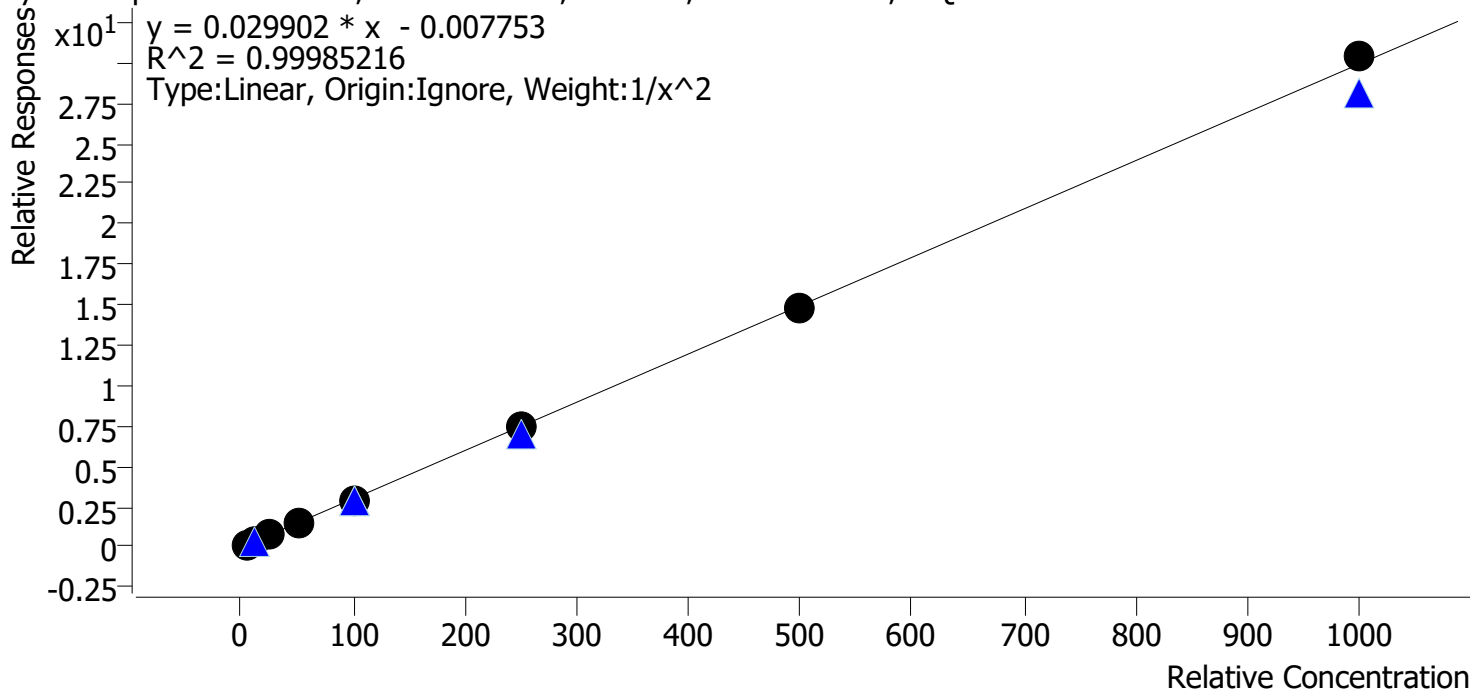
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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



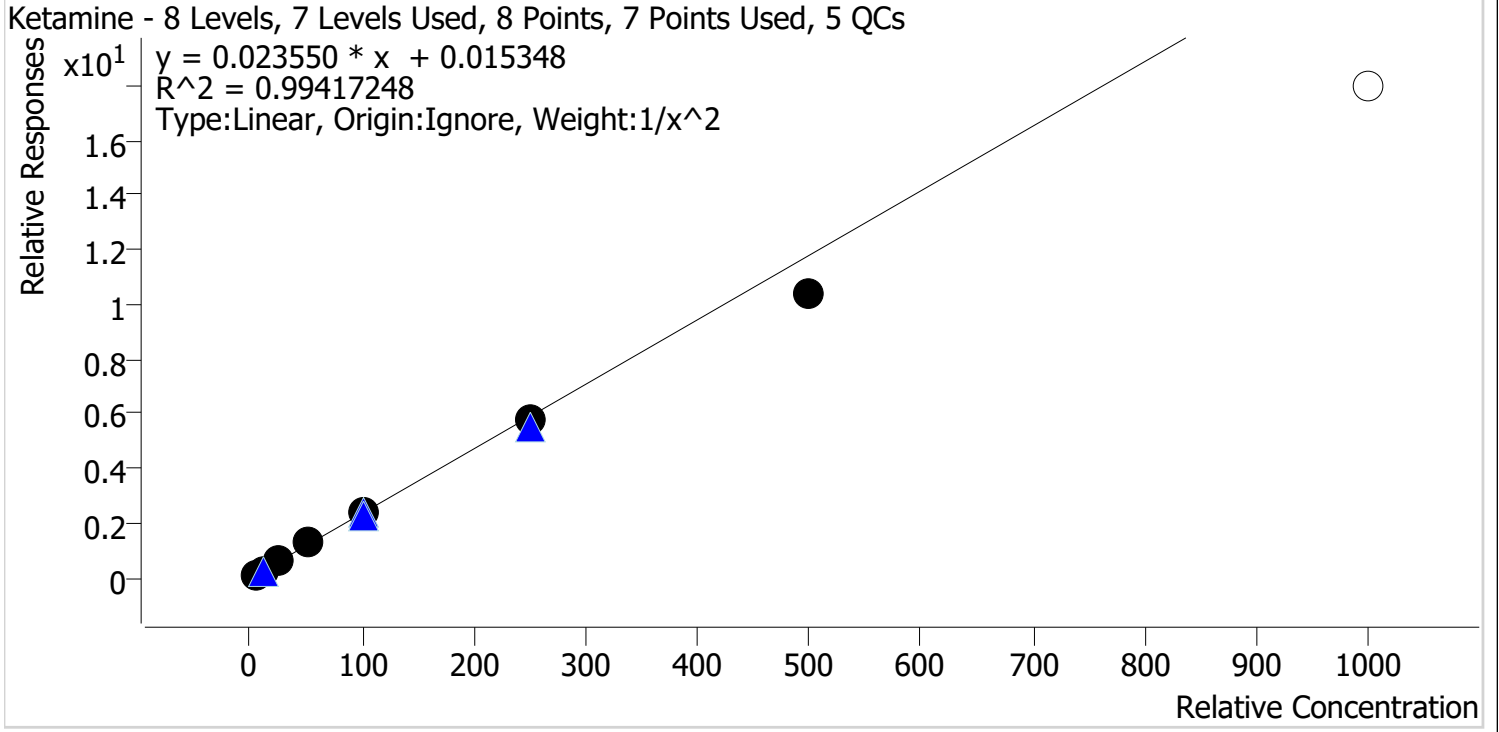
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	495.7	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1015.4	101.5

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



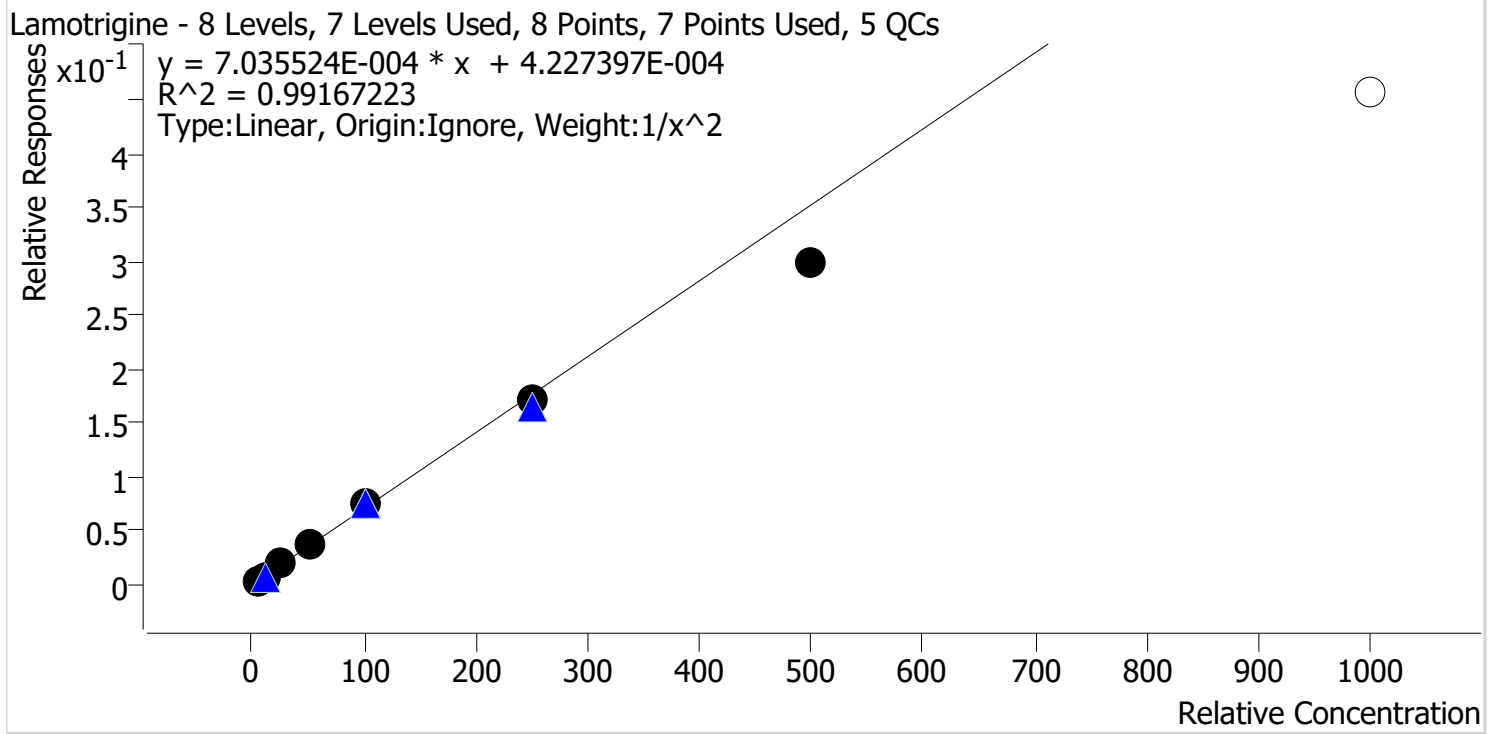
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	439.9	88.0
p1 Cal 8-1000ng	8	✗	1000.0	761.3	76.1

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Lamotrigine **Internal Standard** Pseudoephedrine-D3



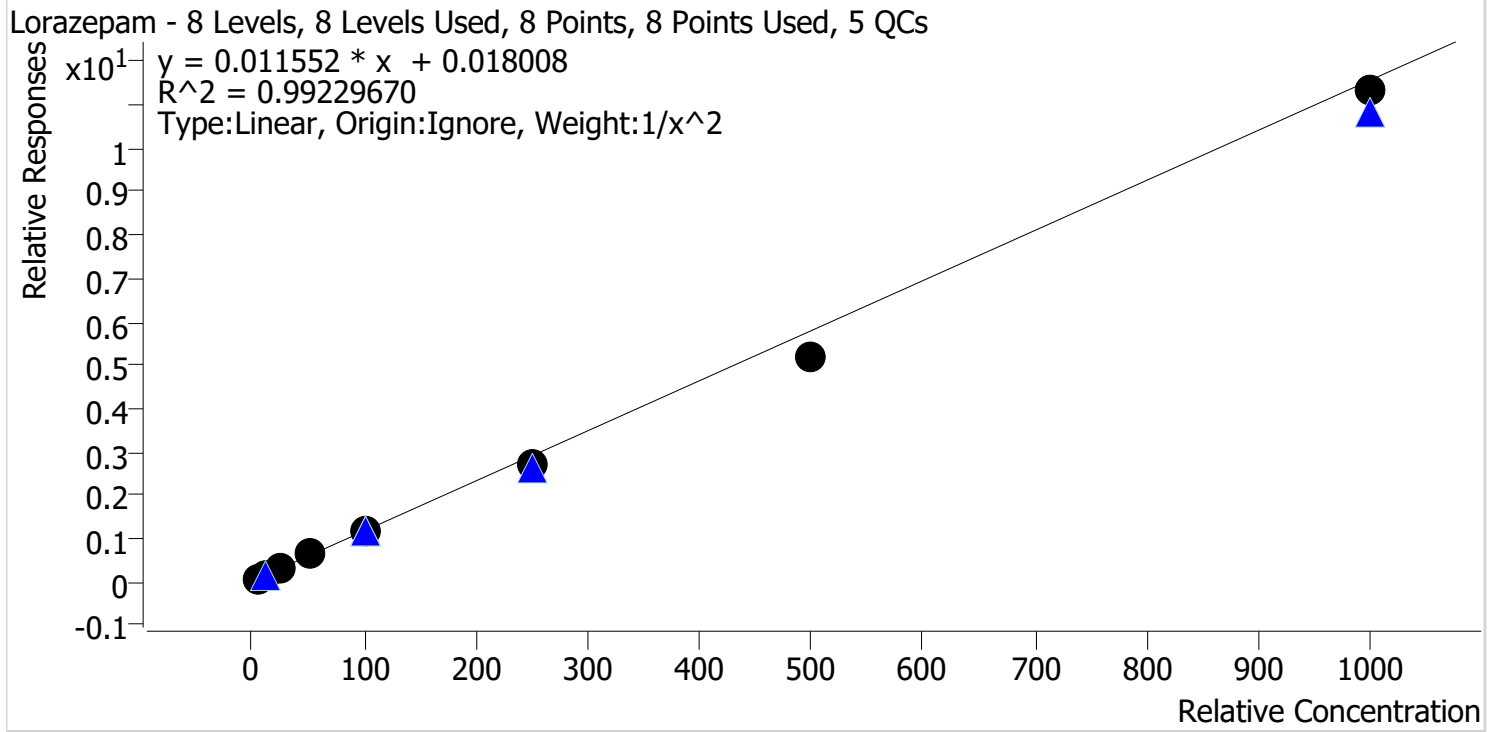
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.8
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	425.0	85.0
p1 Cal 8-1000ng	8	x	1000.0	647.8	64.8

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5



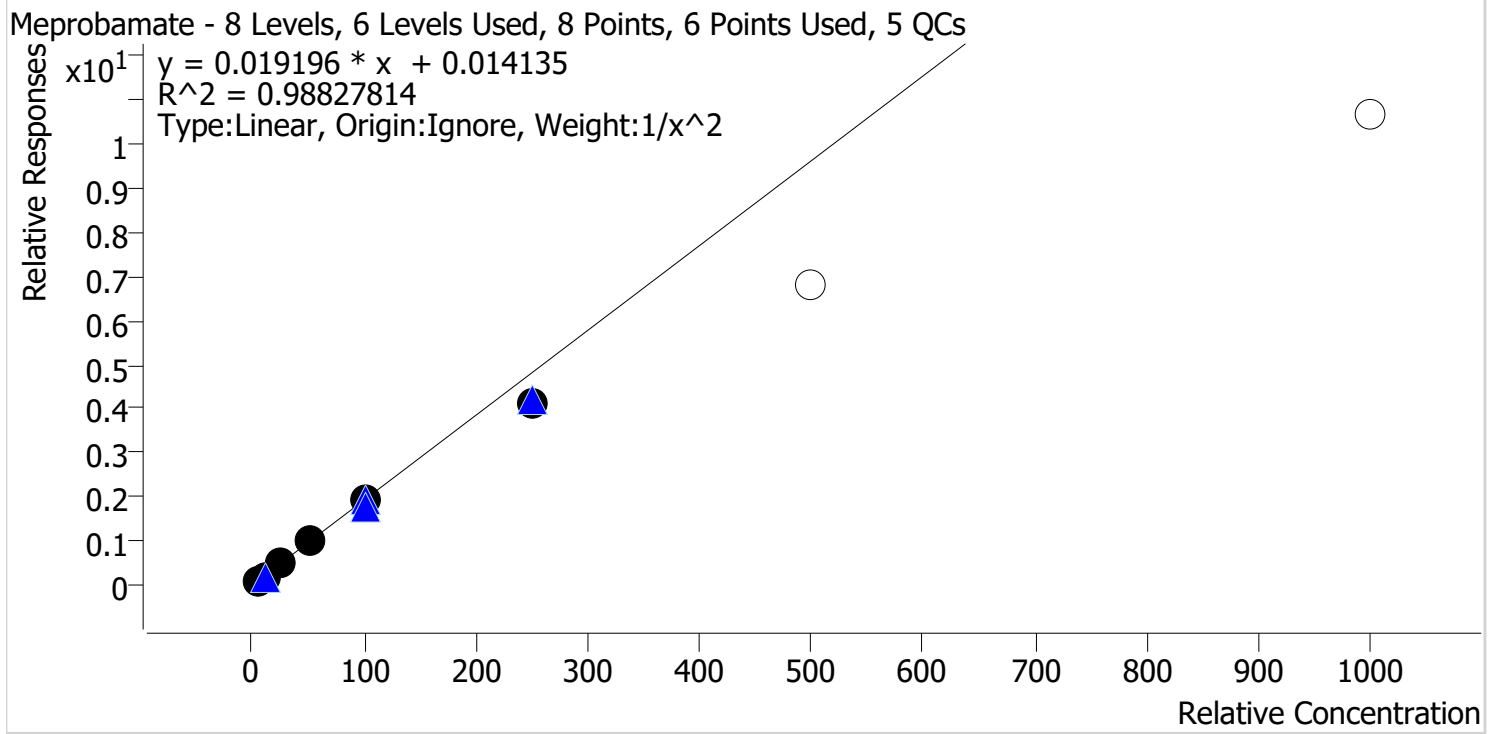
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.8
p1 Cal 2-10ng	2	✓	10.0	10.7	107.1
p1 Cal 3 -25ng	3	✓	25.0	27.7	110.7
p1 Cal 4-50ng	4	✓	50.0	53.5	107.1
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	231.6	92.6
p1 Cal 7-500ng	7	✓	500.0	451.1	90.2
p1 Cal 8-1000ng	8	✓	1000.0	979.2	97.9

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



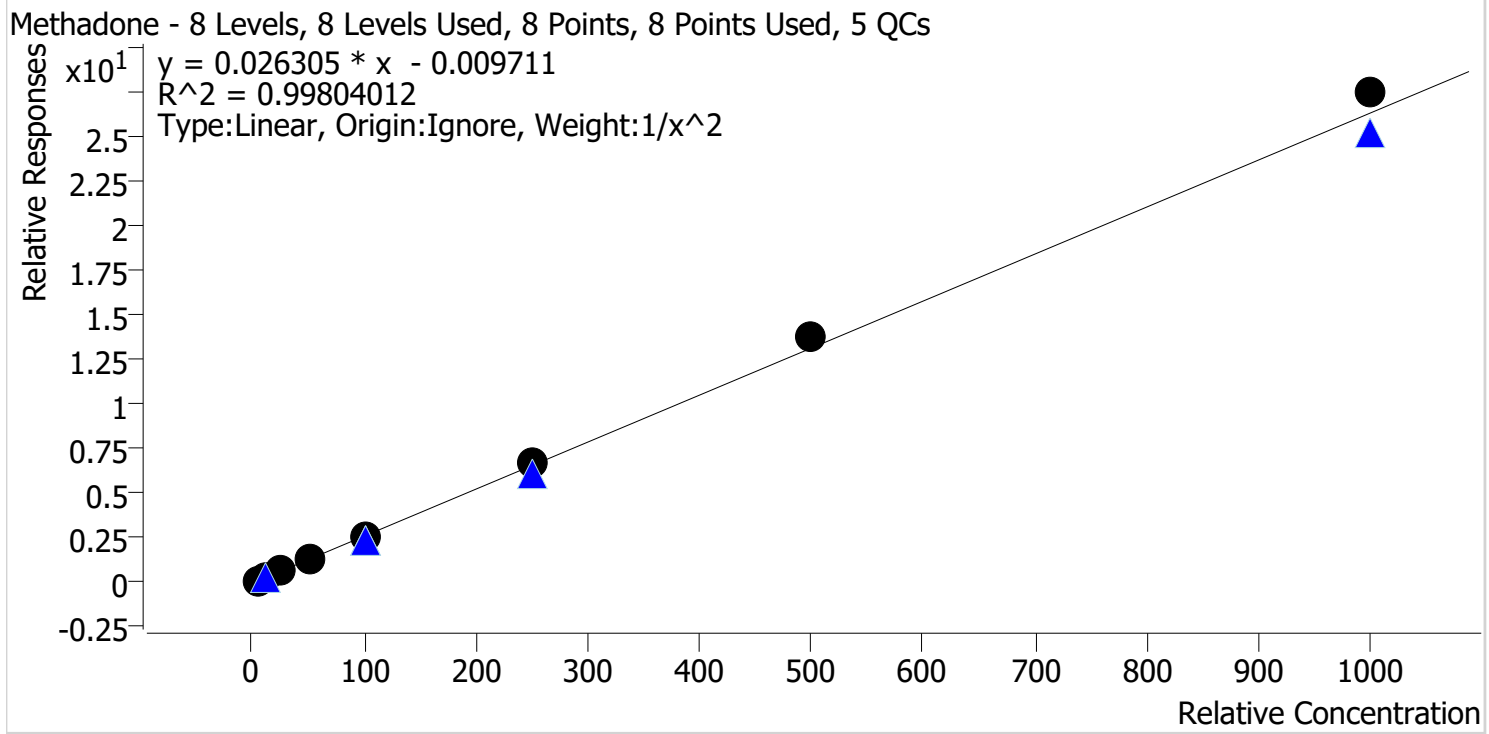
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	27.9	111.8
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	212.2	84.9
p1 Cal 7-500ng	7	x	500.0	353.6	70.7
p1 Cal 8-1000ng	8	x	1000.0	552.9	55.3

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9



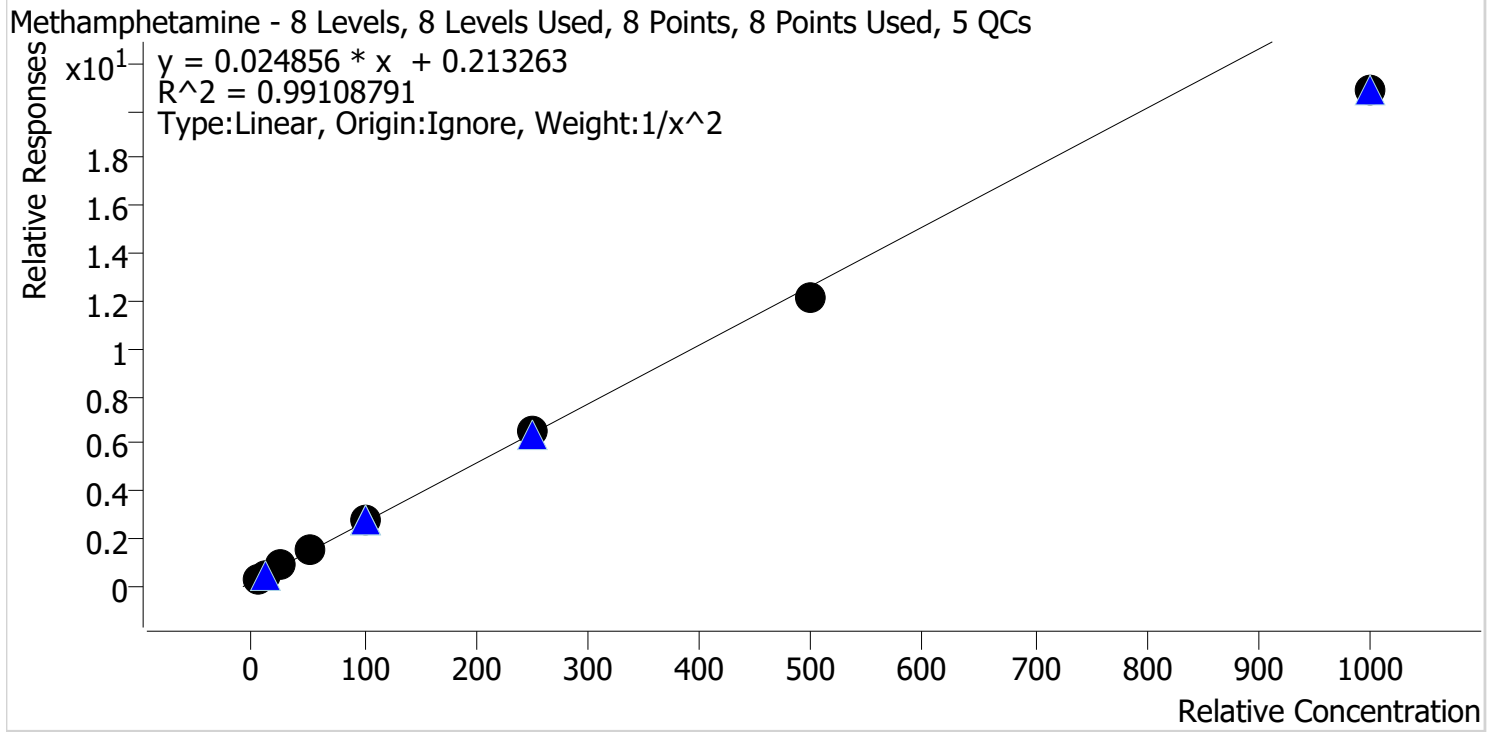
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	47.9	95.7
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	524.2	104.8
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\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 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	97.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	53.9	107.9
p1 Cal 5-100ng	5	✓	100.0	107.1	107.1
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	479.6	95.9
p1 Cal 8-1000ng	8	✓	1000.0	830.0	83.0

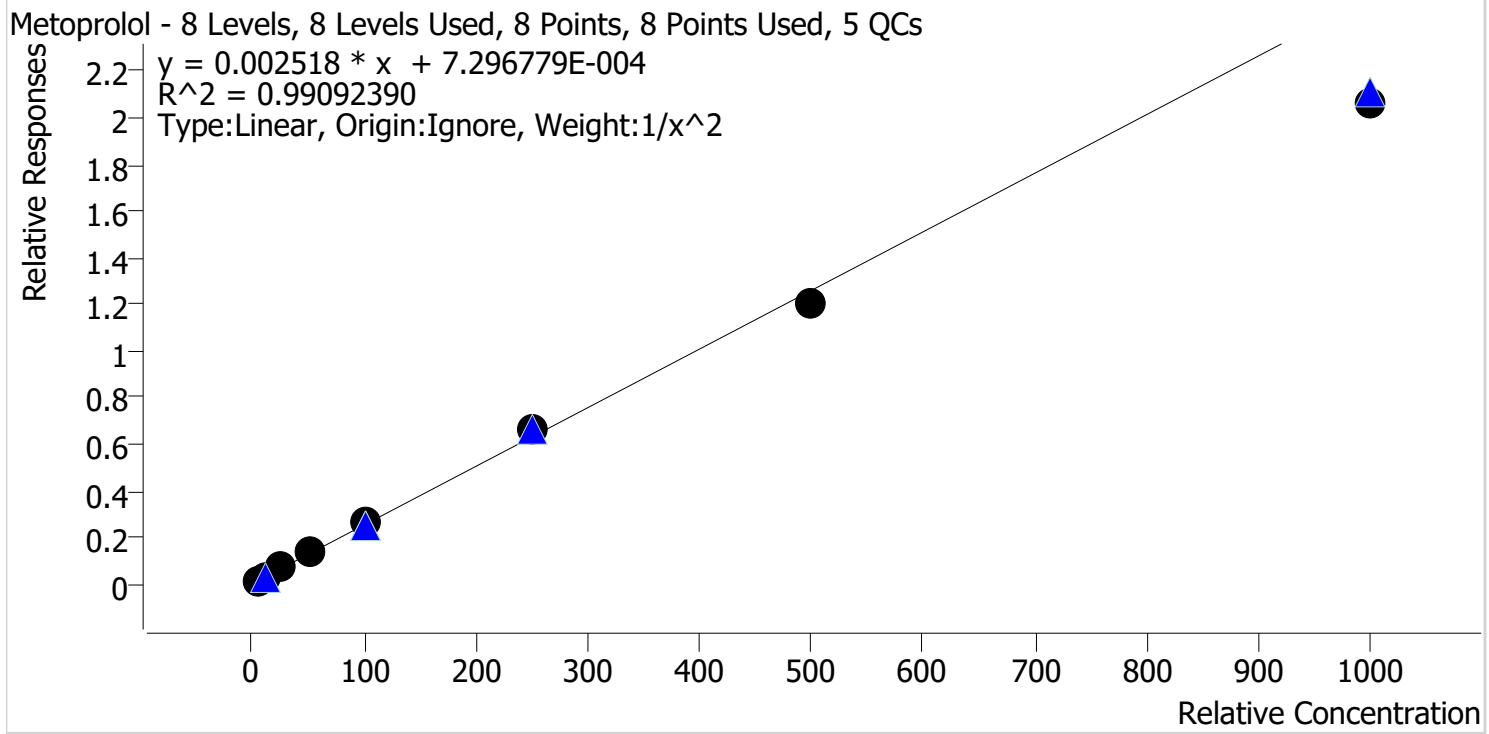


TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



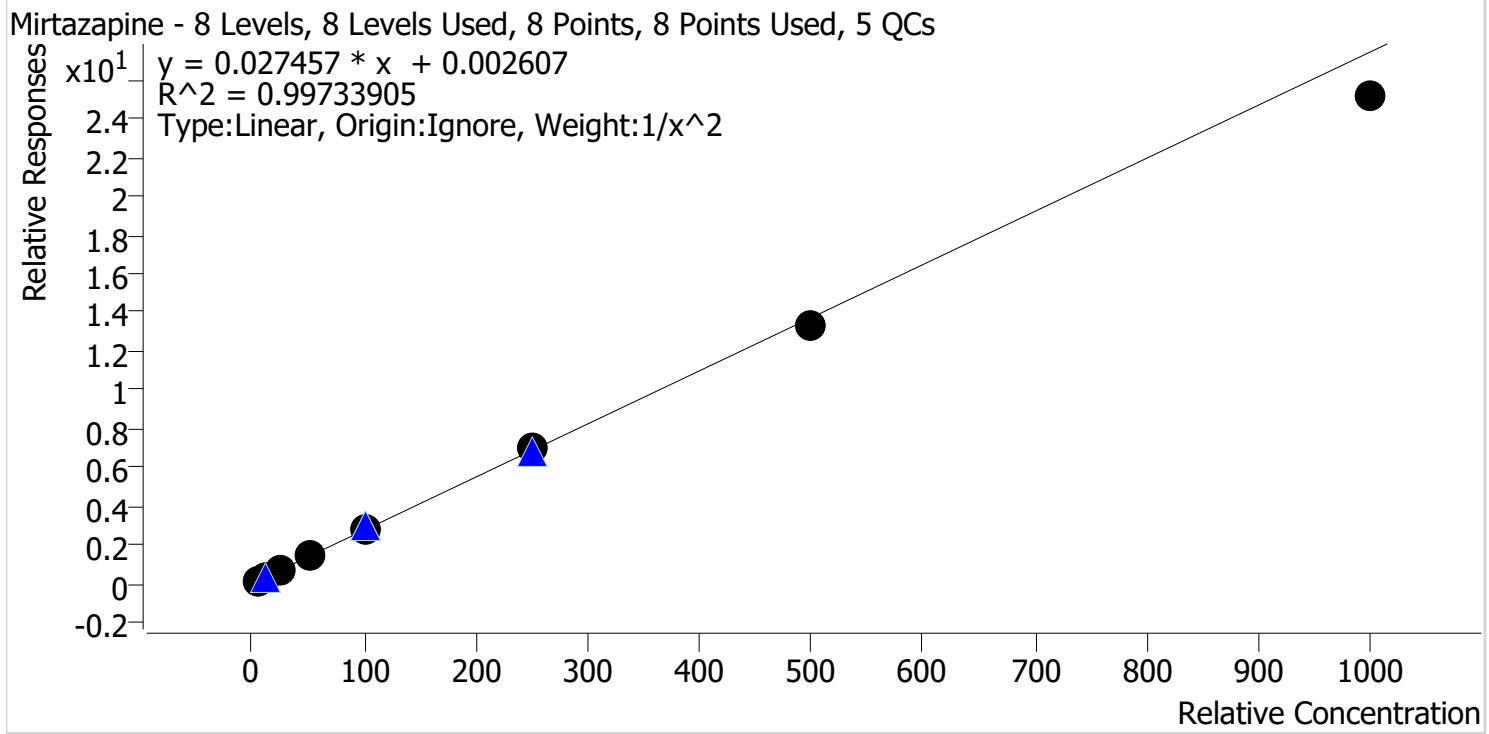
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	262.0	104.8
p1 Cal 7-500ng	7	✓	500.0	479.0	95.8
p1 Cal 8-1000ng	8	✓	1000.0	821.8	82.2

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-D8



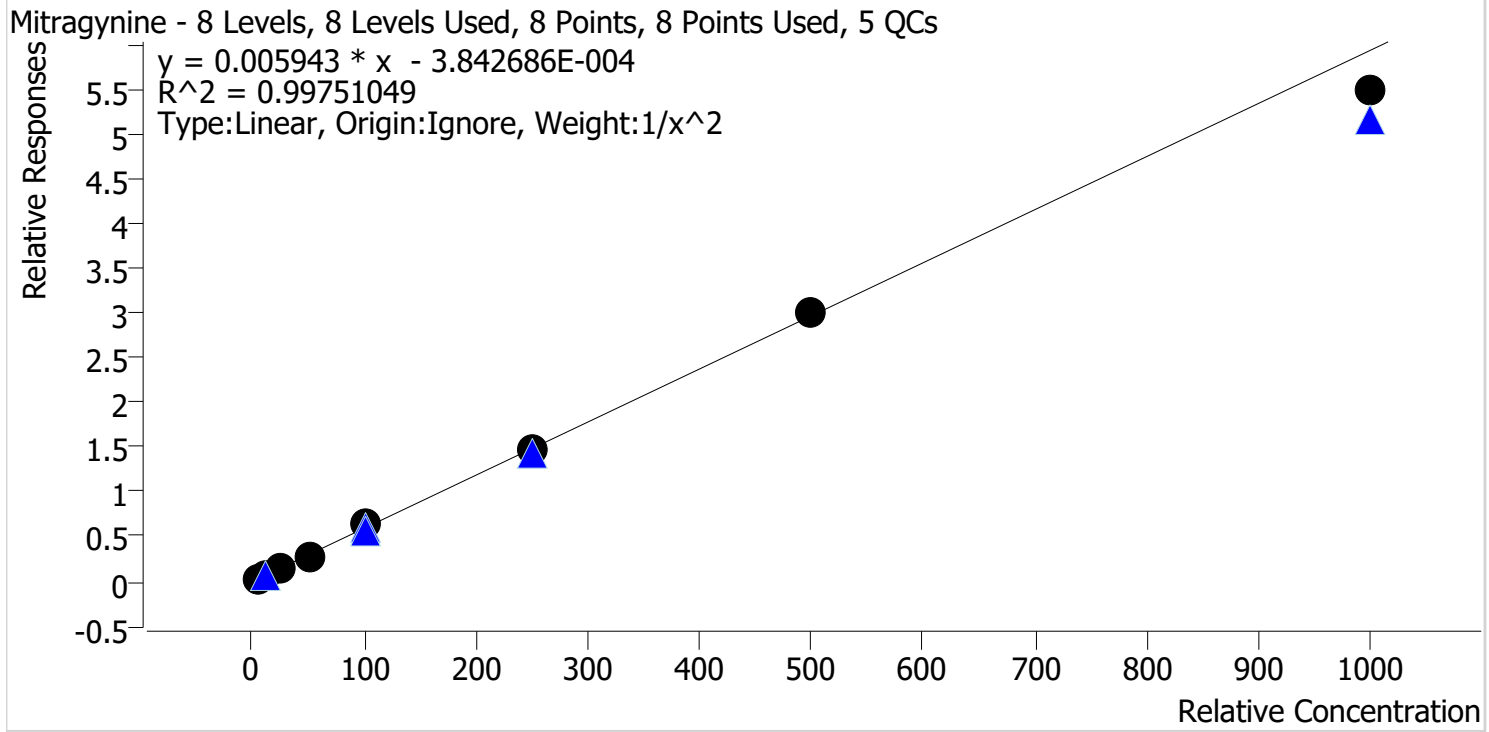
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.6
p1 Cal 4-50ng	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	256.1	102.4
p1 Cal 7-500ng	7	✓	500.0	482.2	96.4
p1 Cal 8-1000ng	8	✓	1000.0	915.1	91.5

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



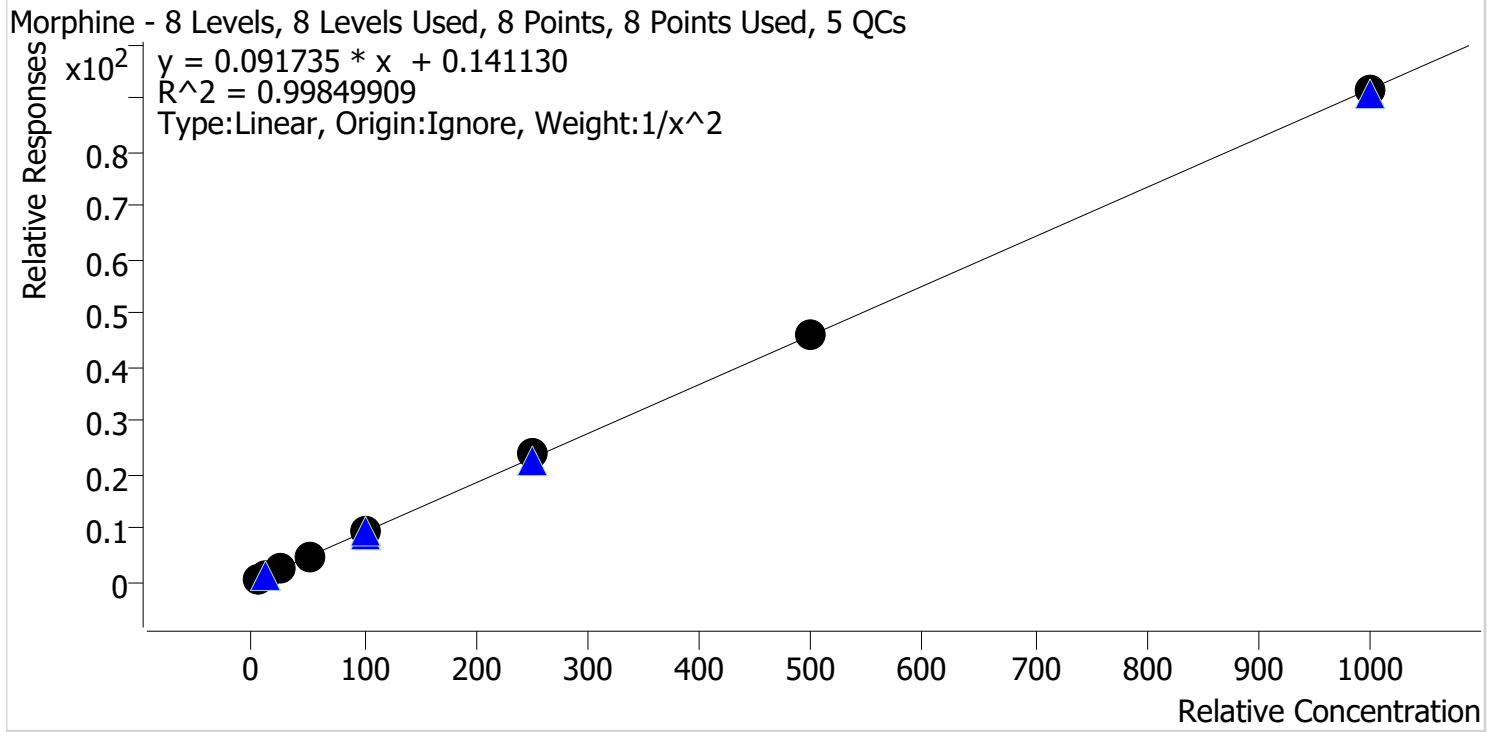
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	107.7	107.7
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	509.3	101.9
p1 Cal 8-1000ng	8	✓	1000.0	924.3	92.4

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



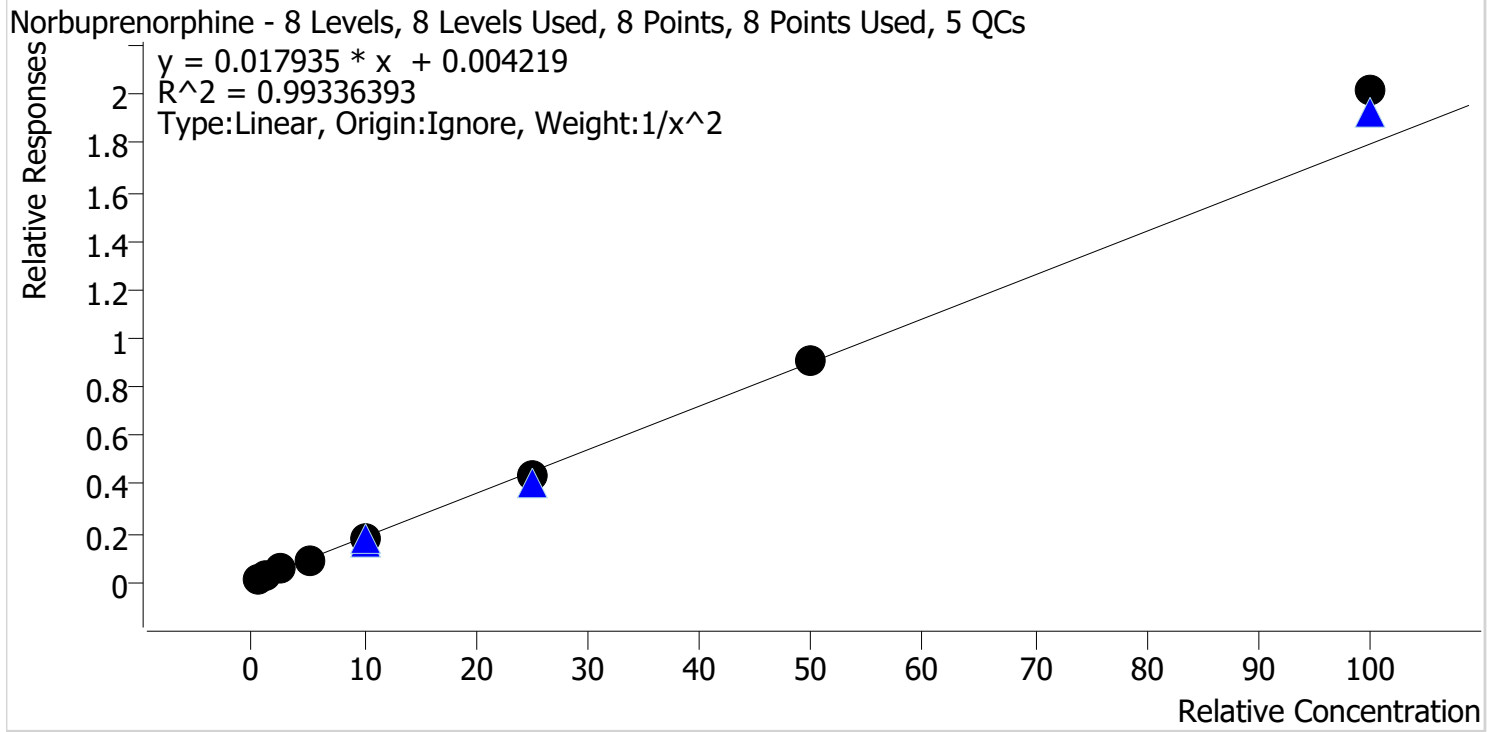
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.3	93.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	260.8	104.3
p1 Cal 7-500ng	7	✓	500.0	499.9	100.0
p1 Cal 8-1000ng	8	✓	1000.0	996.9	99.7

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



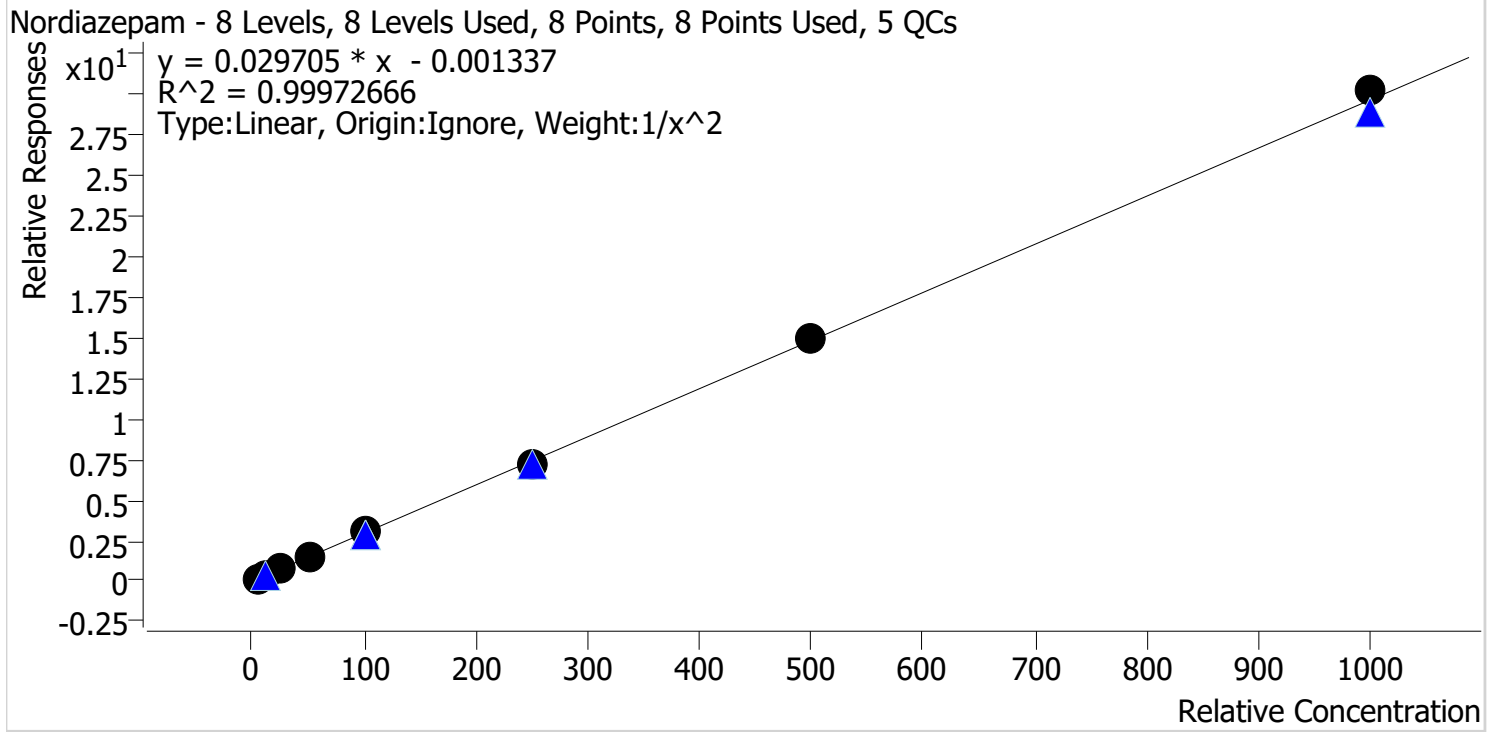
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	96.9
p1 Cal 2-10ng	2	✓	1.0	1.1	108.7
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.4
p1 Cal 4-50ng	4	✓	5.0	4.6	91.3
p1 Cal 5-100ng	5	✓	10.0	9.6	95.7
p1 Cal 6-250ng	6	✓	25.0	23.8	95.2
p1 Cal 7-500ng	7	✓	50.0	50.3	100.6
p1 Cal 8-1000ng	8	✓	100.0	112.2	112.2

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



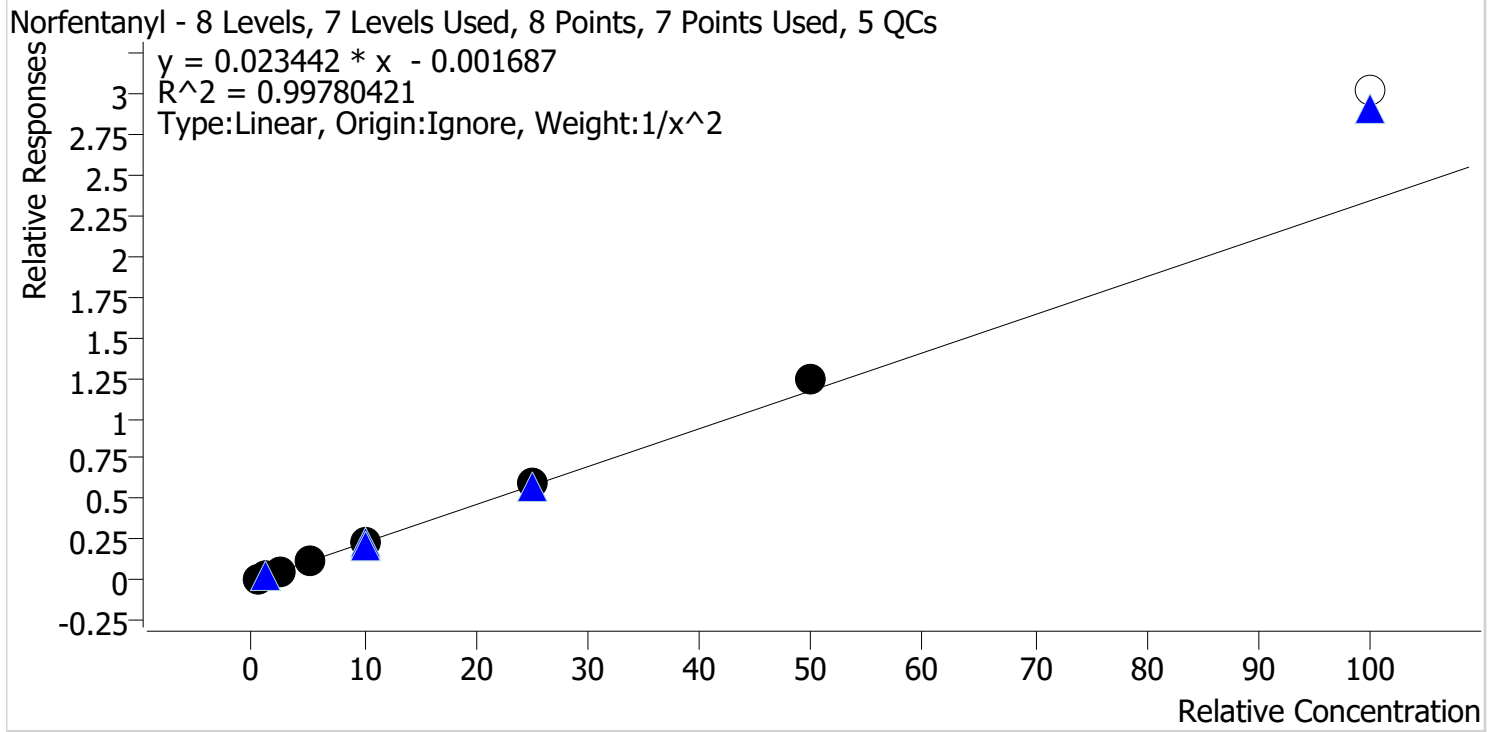
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	244.9	97.9
p1 Cal 7-500ng	7	✓	500.0	506.6	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1019.5	102.0

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



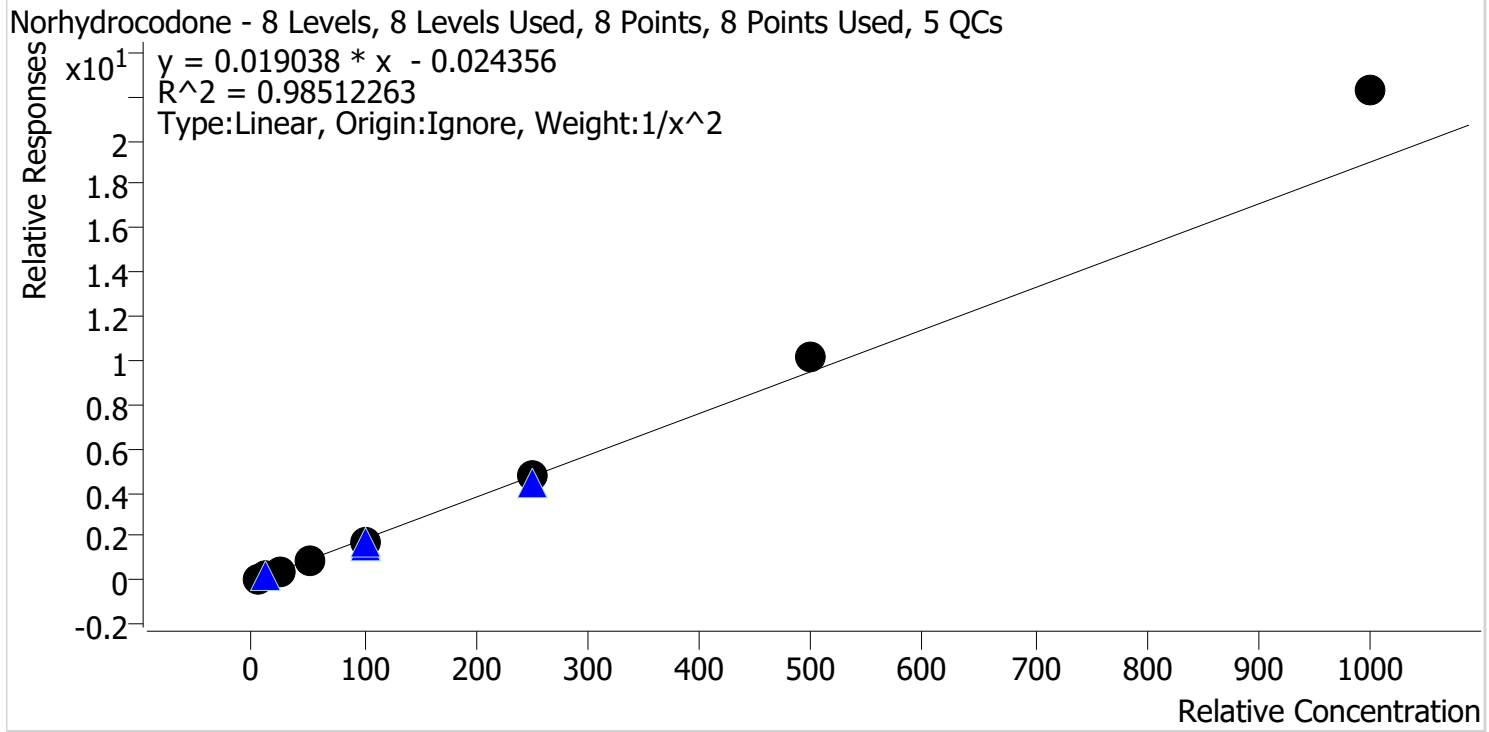
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.8
p1 Cal 2-10ng	2	✓	1.0	1.0	98.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.2
p1 Cal 4-50ng	4	✓	5.0	4.8	95.4
p1 Cal 5-100ng	5	✓	10.0	9.8	97.7
p1 Cal 6-250ng	6	✓	25.0	25.6	102.6
p1 Cal 7-500ng	7	✓	50.0	53.5	106.9
p1 Cal 8-1000ng	8	✗	100.0	129.0	129.0

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**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	108.9
p1 Cal 2-10ng	2	✓	10.0	8.8	88.2
p1 Cal 3 -25ng	3	✓	25.0	22.4	89.6
p1 Cal 4-50ng	4	✓	50.0	45.1	90.3
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	539.0	107.8
p1 Cal 8-1000ng	8	✓	1000.0	1170.7	117.1

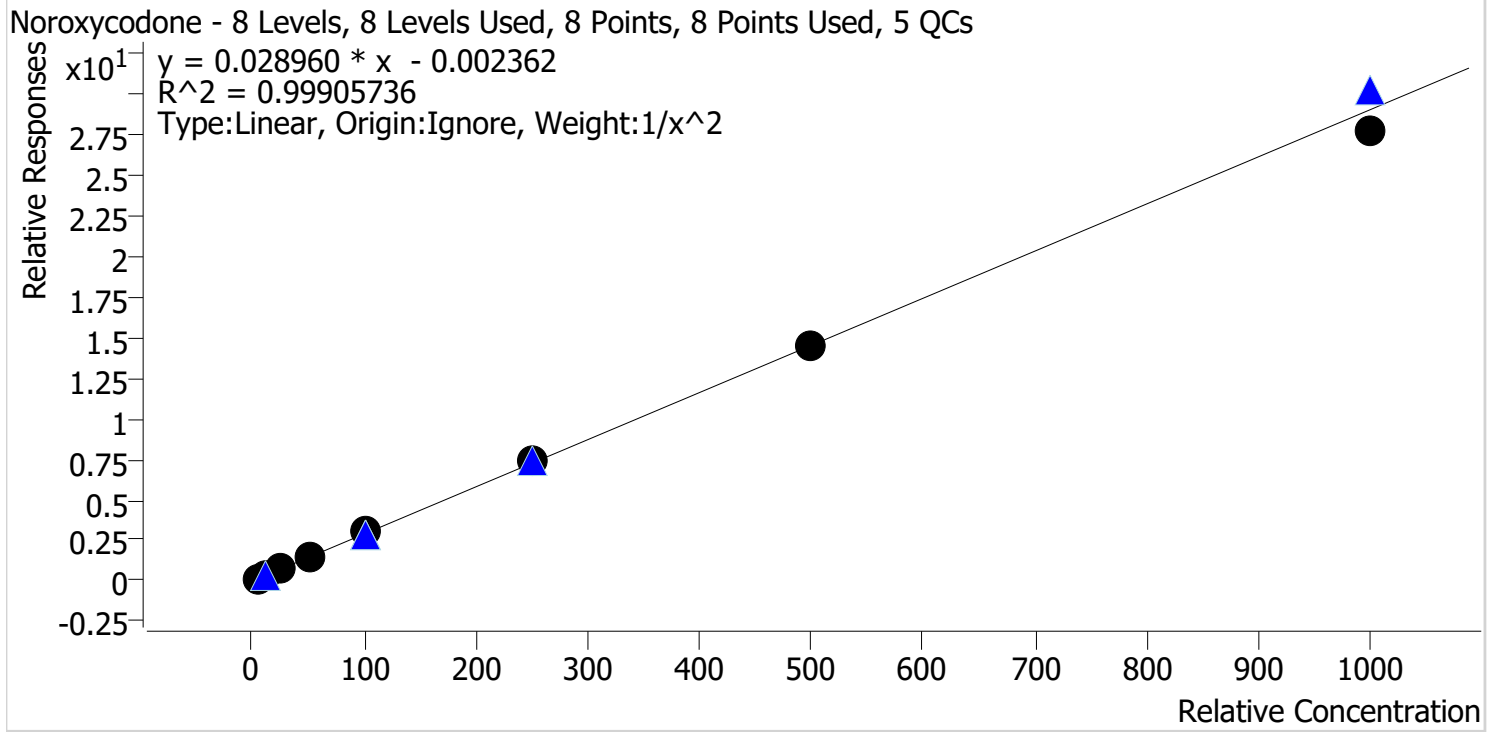


TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	499.7	99.9
p1 Cal 8-1000ng	8	✓	1000.0	955.7	95.6

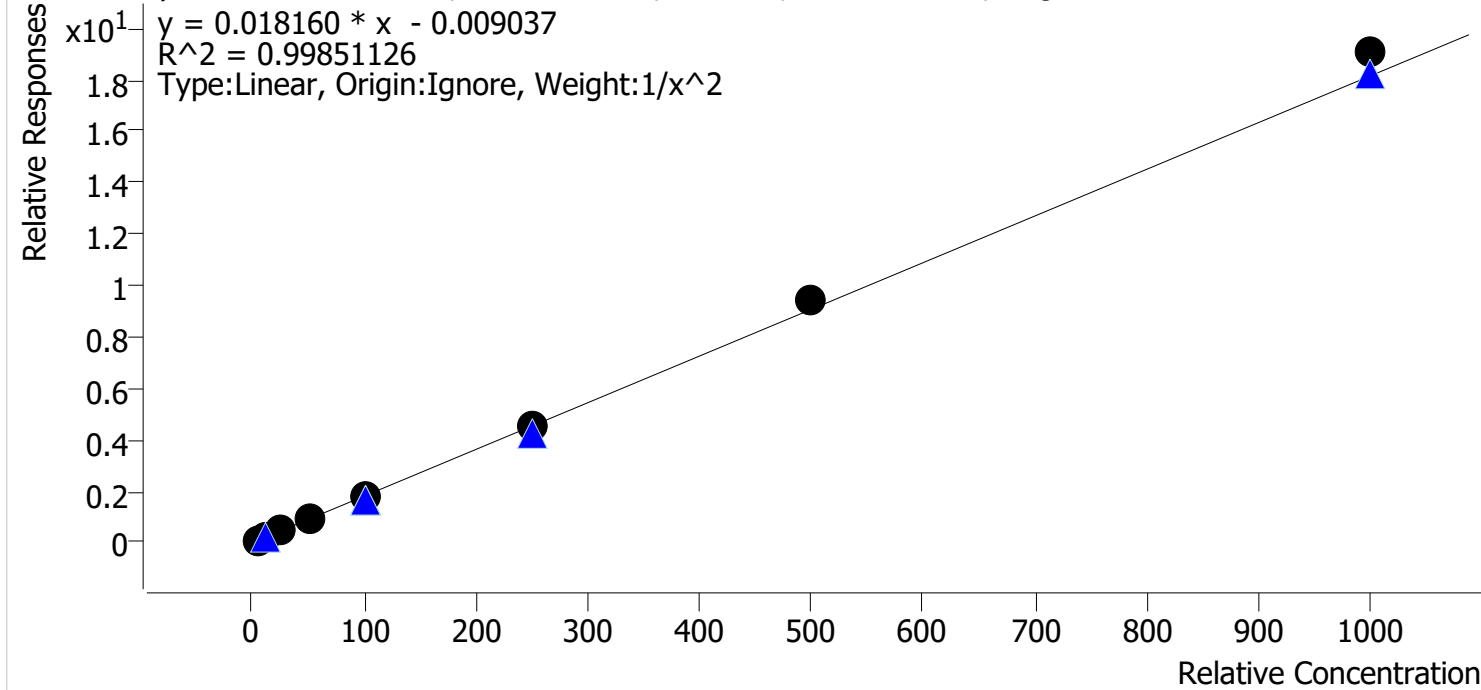
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	517.2	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1050.8	105.1

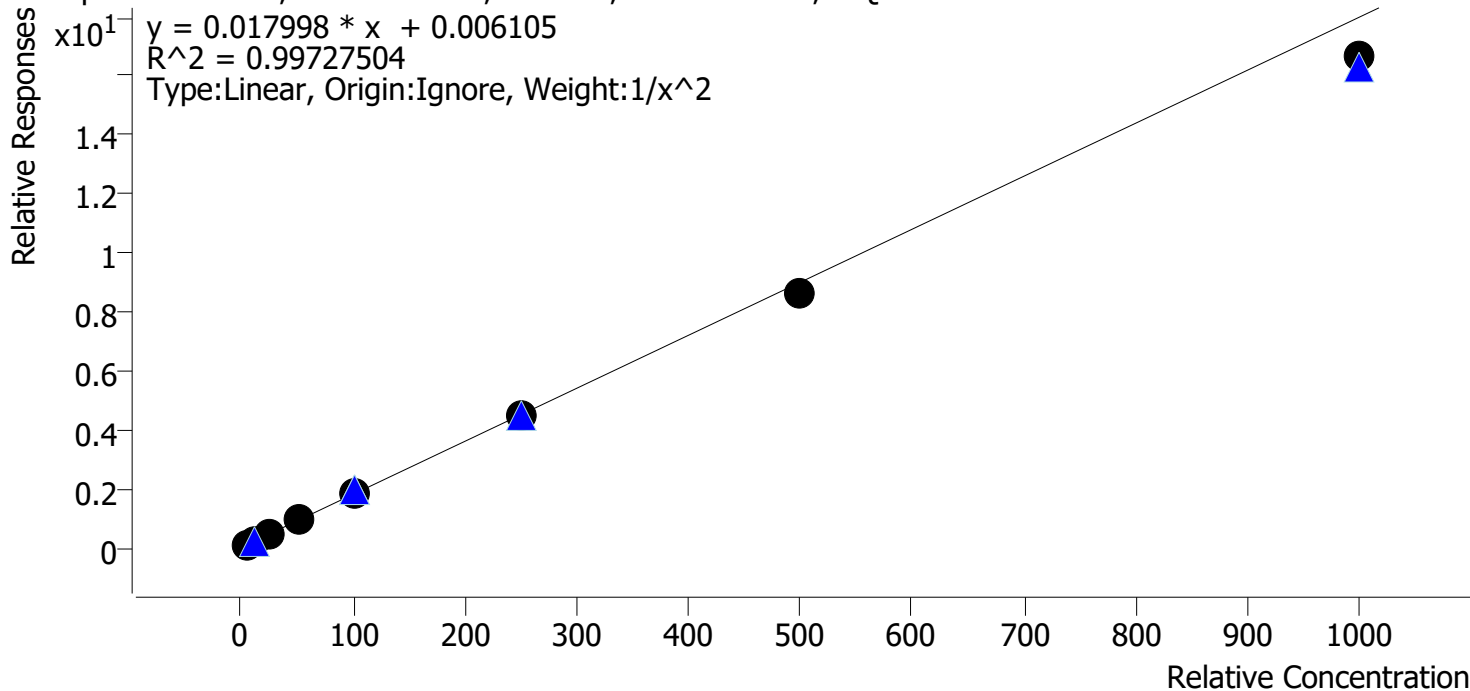
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.8
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	478.7	95.7
p1 Cal 8-1000ng	8	✓	1000.0	925.7	92.6

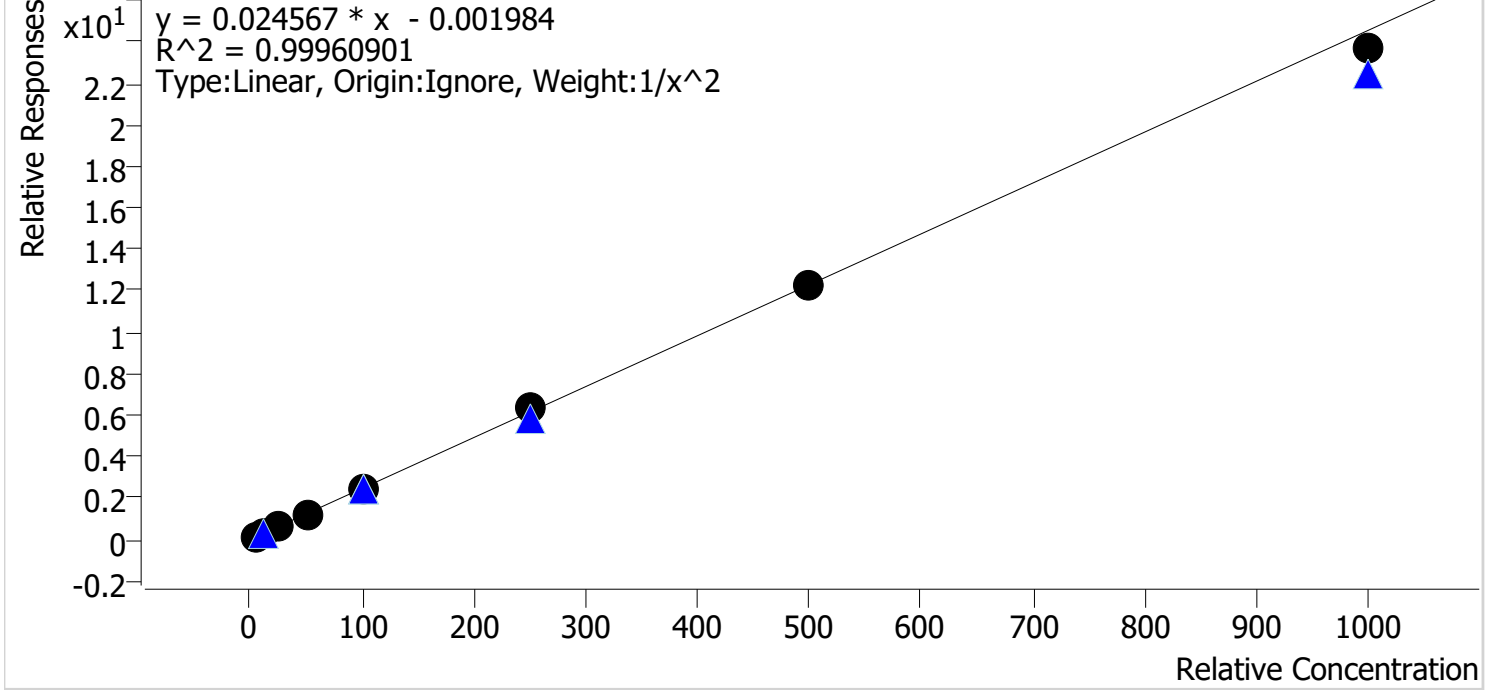
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	497.0	99.4
p1 Cal 8-1000ng	8	✓	1000.0	964.1	96.4

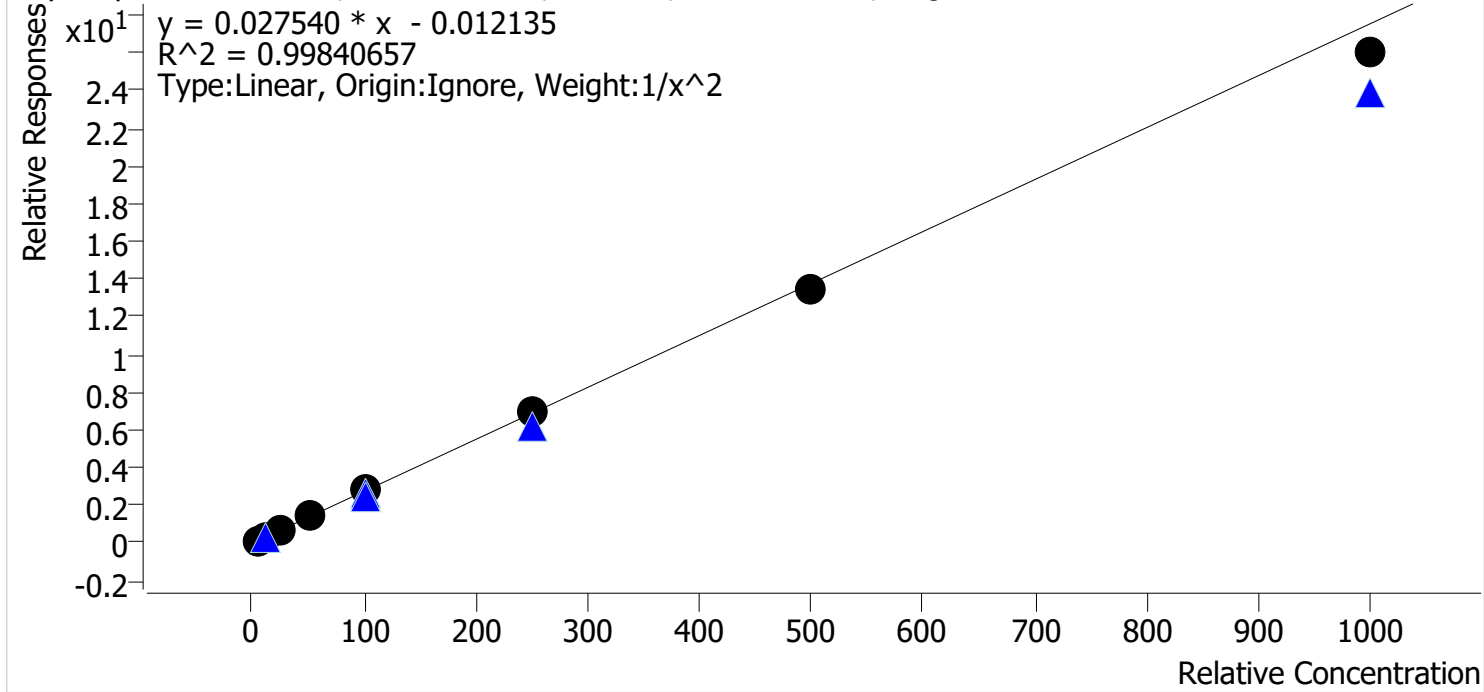
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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



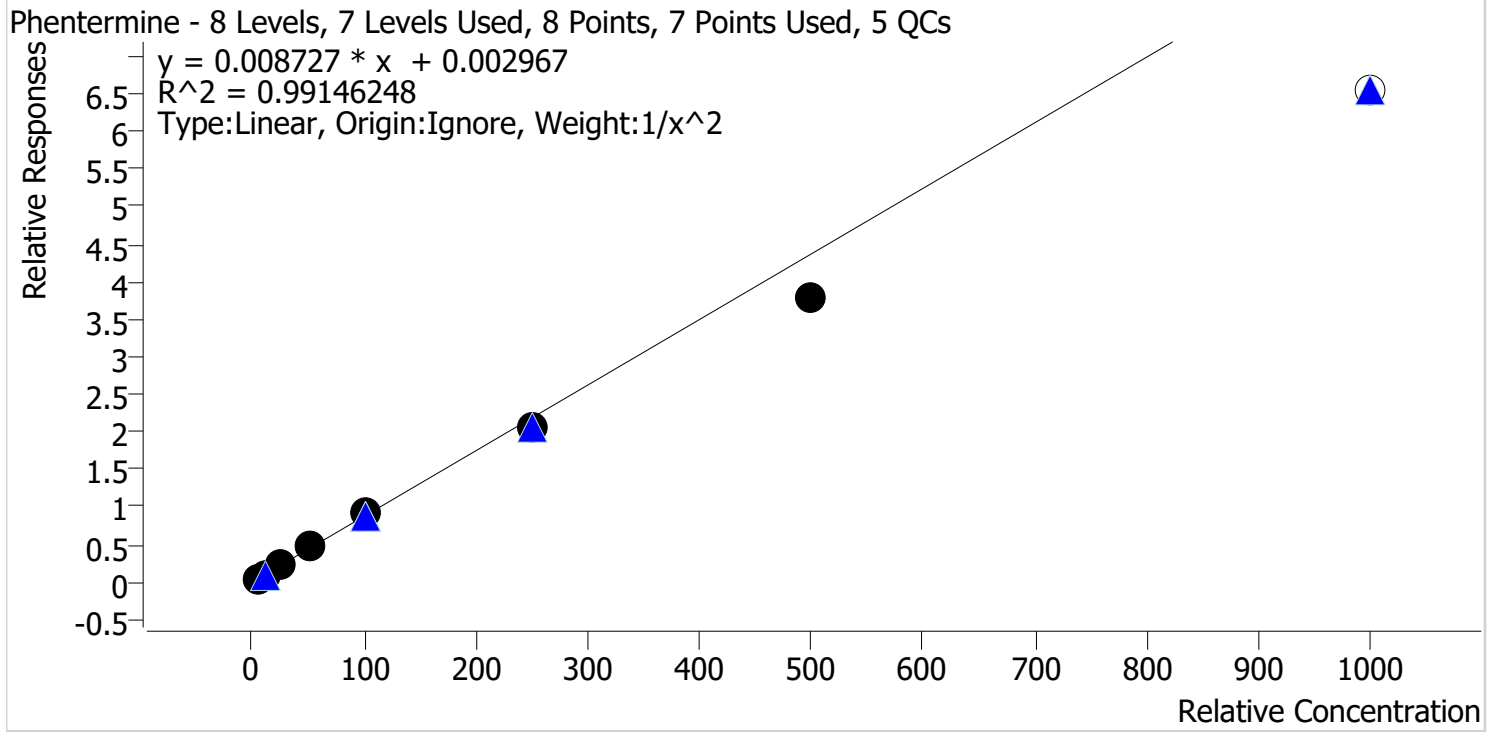
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	492.0	98.4
p1 Cal 8-1000ng	8	✓	1000.0	944.4	94.4

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



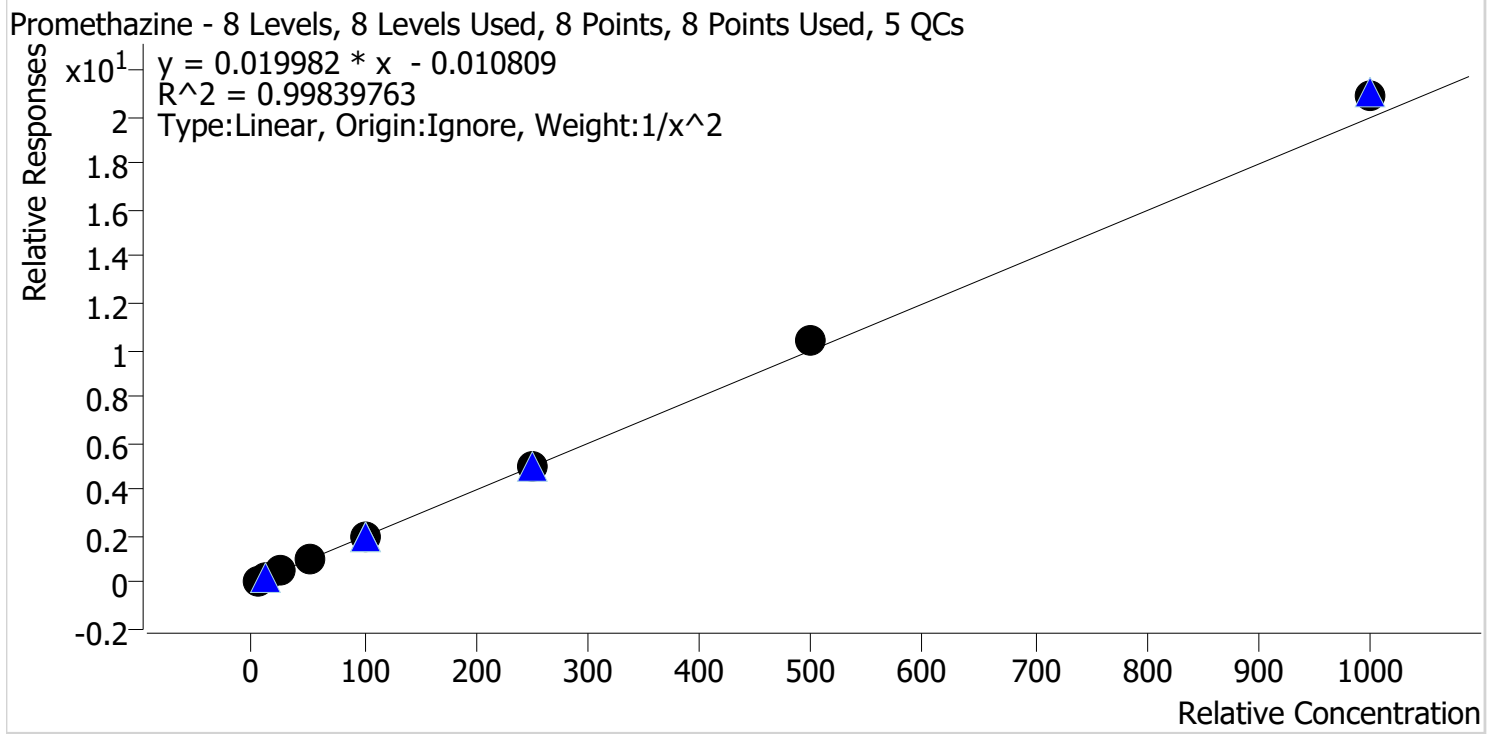
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.5	104.5
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	53.8	107.7
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	237.7	95.1
p1 Cal 7-500ng	7	✓	500.0	431.4	86.3
p1 Cal 8-1000ng	8	✗	1000.0	749.0	74.9

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



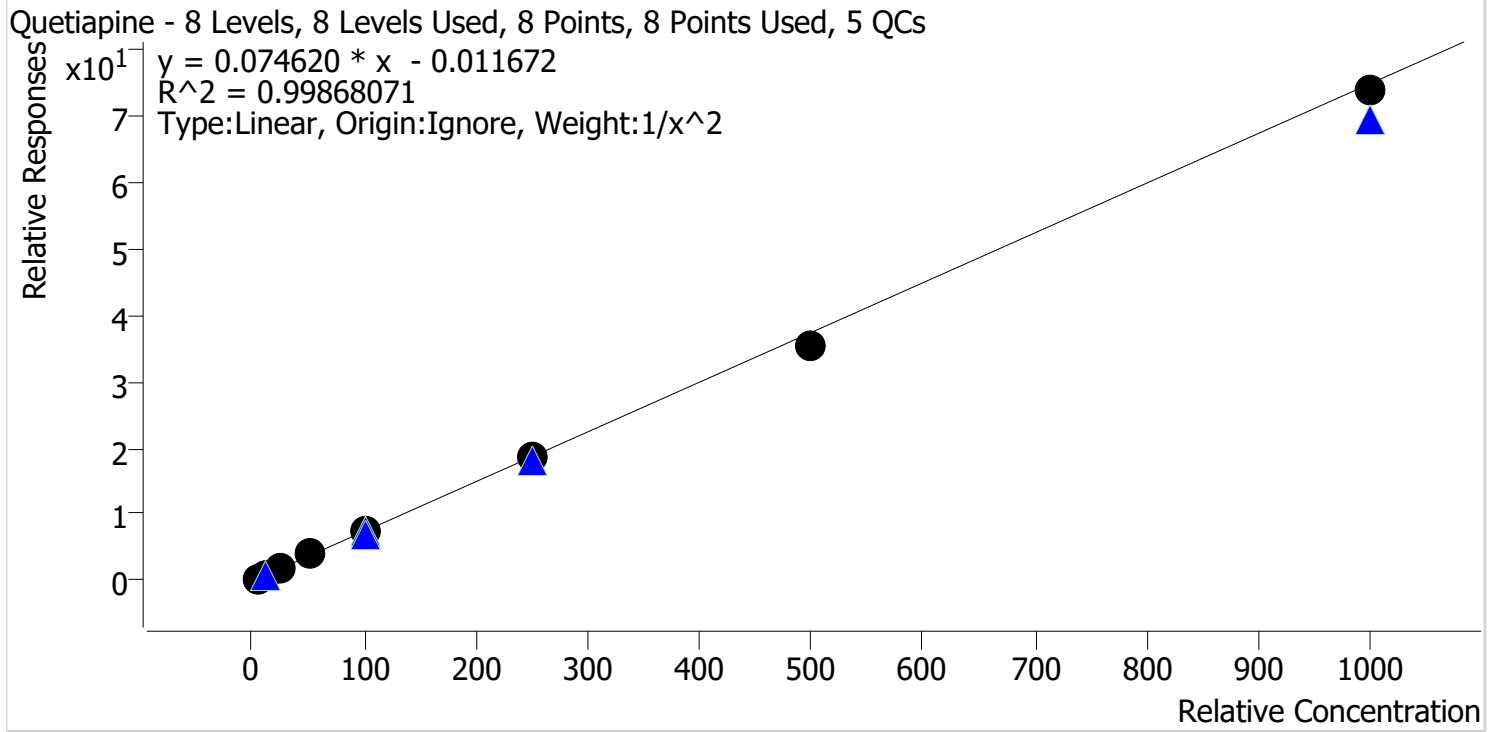
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	521.3	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1044.9	104.5

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	474.2	94.8
p1 Cal 8-1000ng	8	✓	1000.0	986.1	98.6

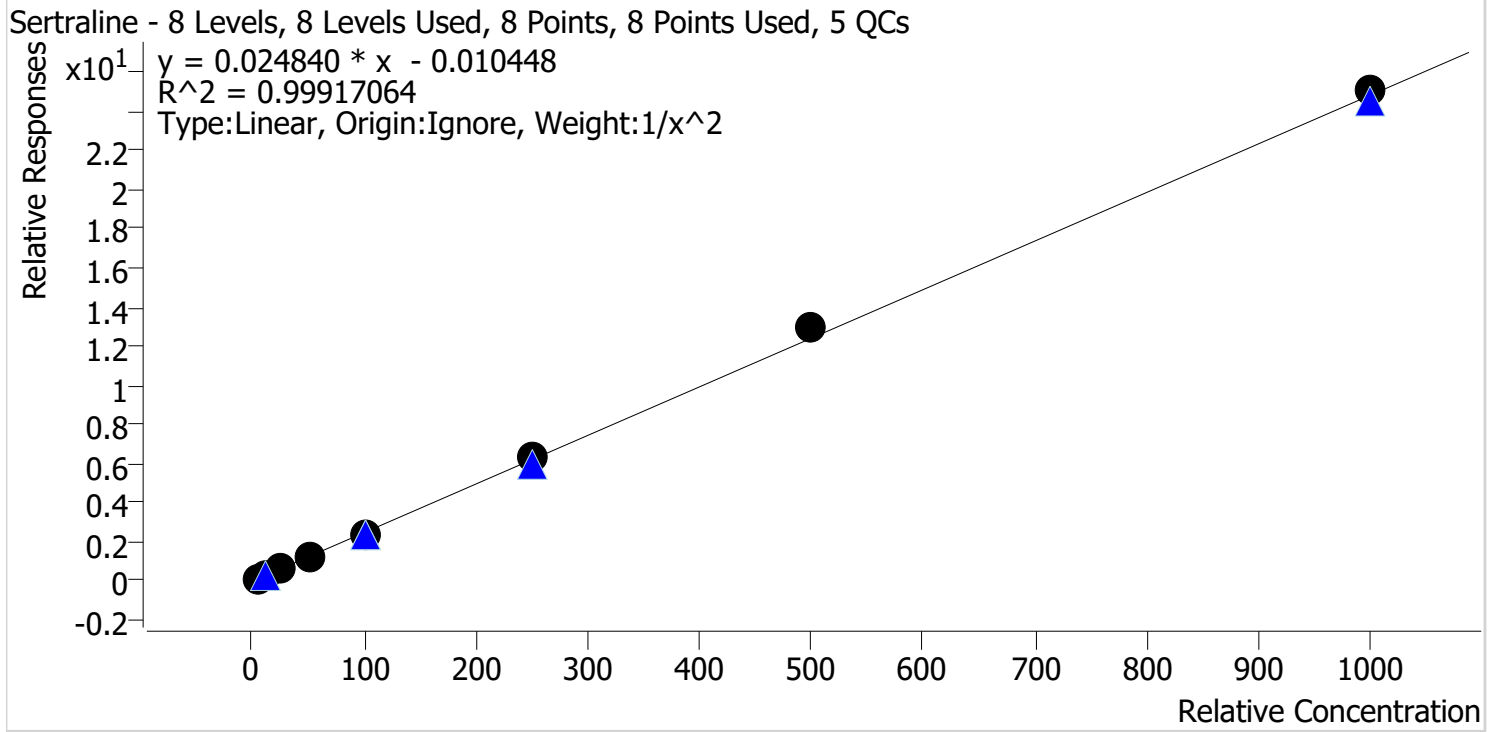


TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



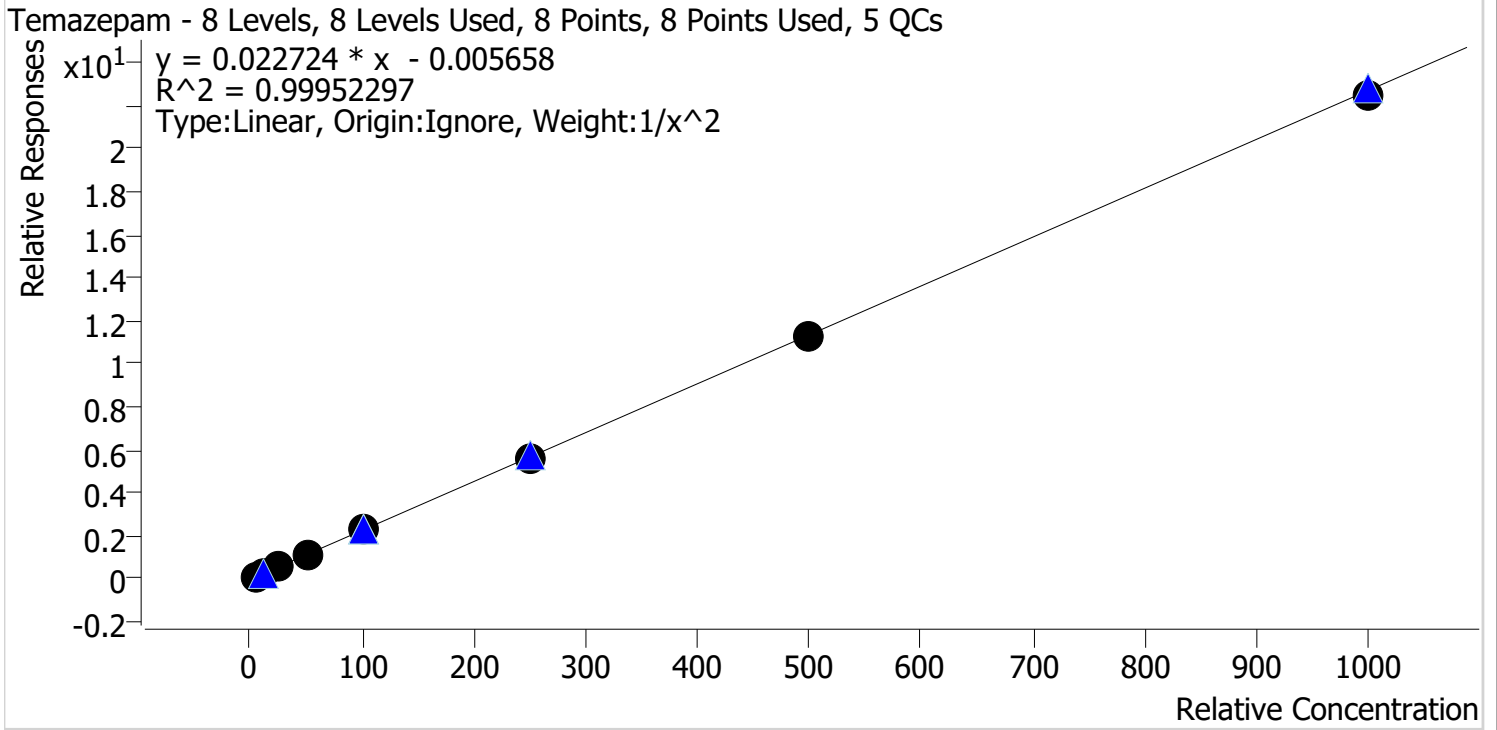
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	520.7	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1009.7	101.0

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



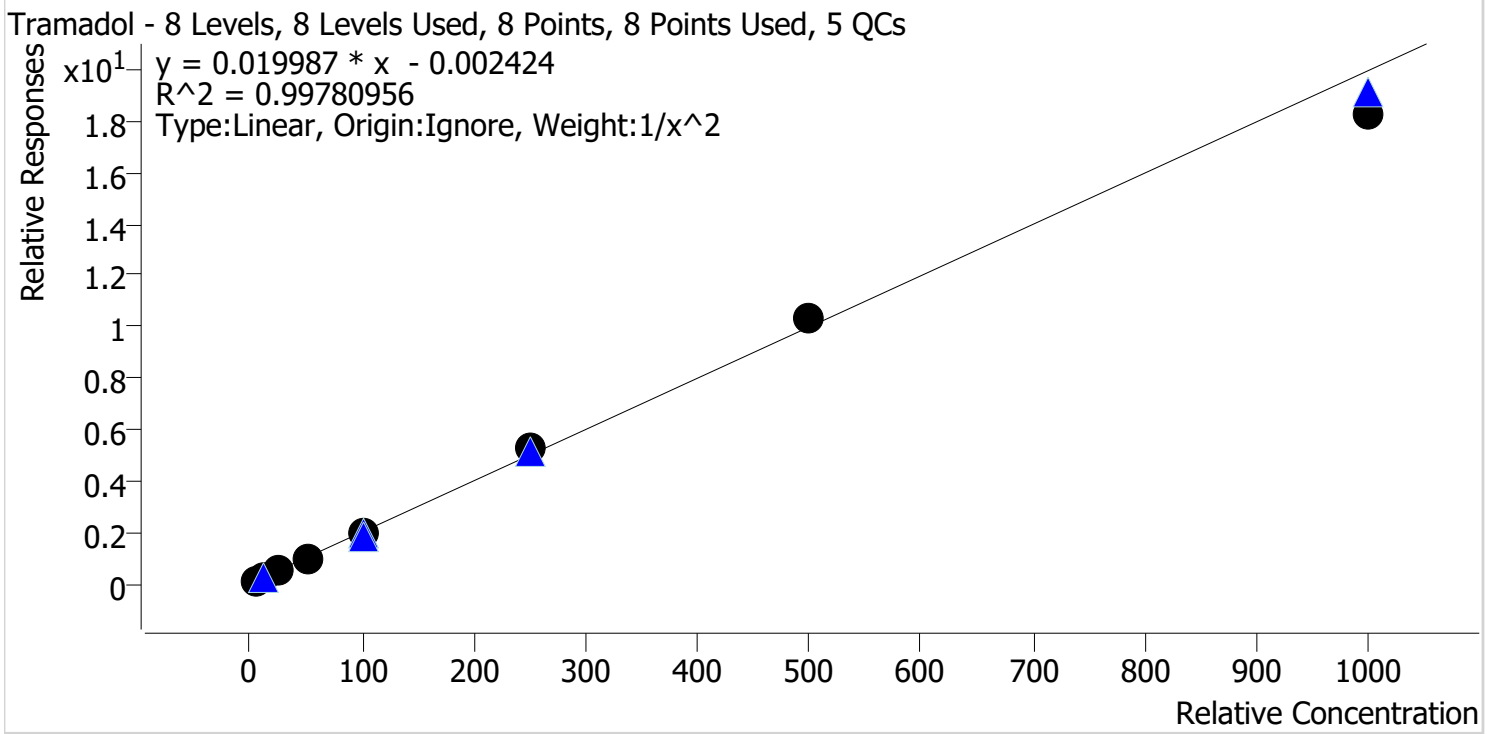
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
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\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



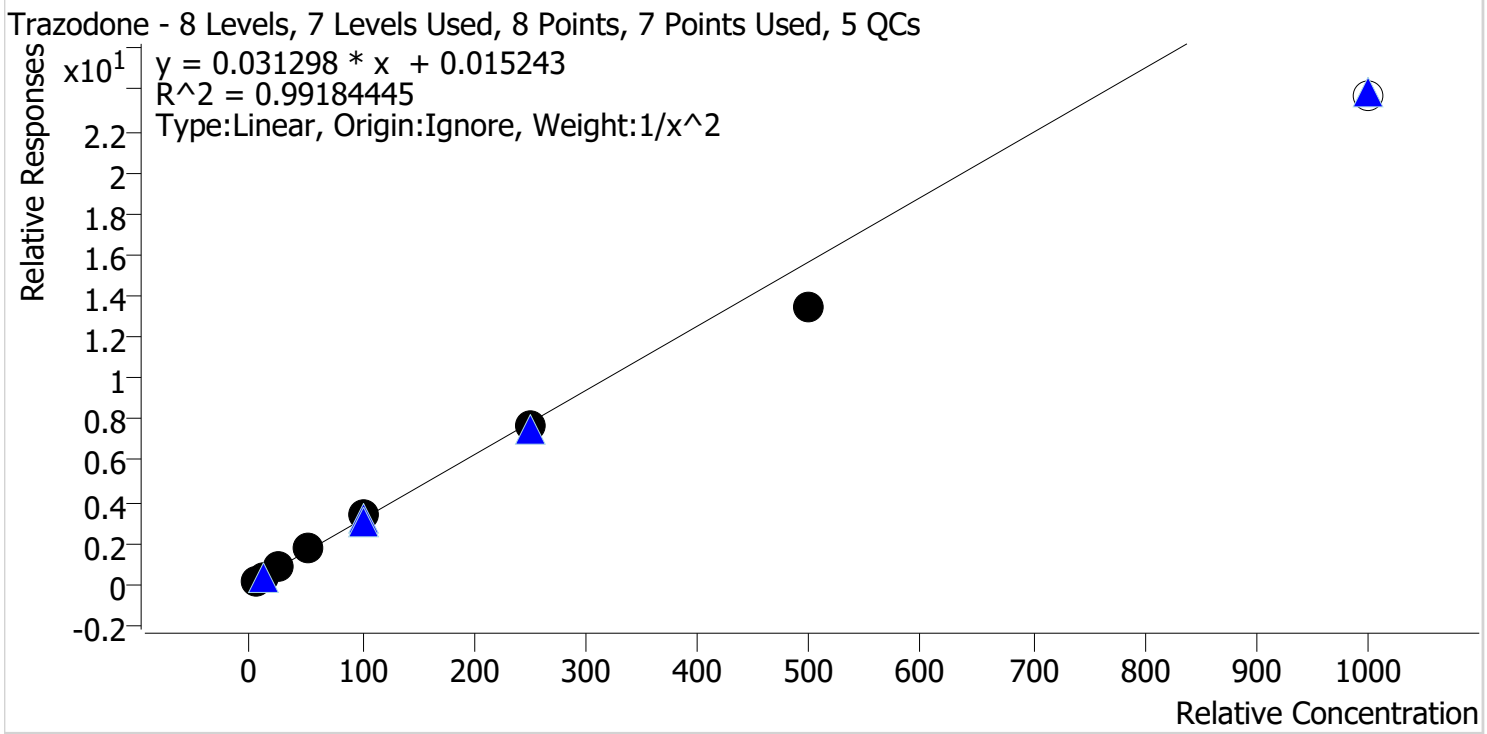
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	263.1	105.2
p1 Cal 7-500ng	7	✓	500.0	513.7	102.7
p1 Cal 8-1000ng	8	✓	1000.0	917.1	91.7

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datator  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



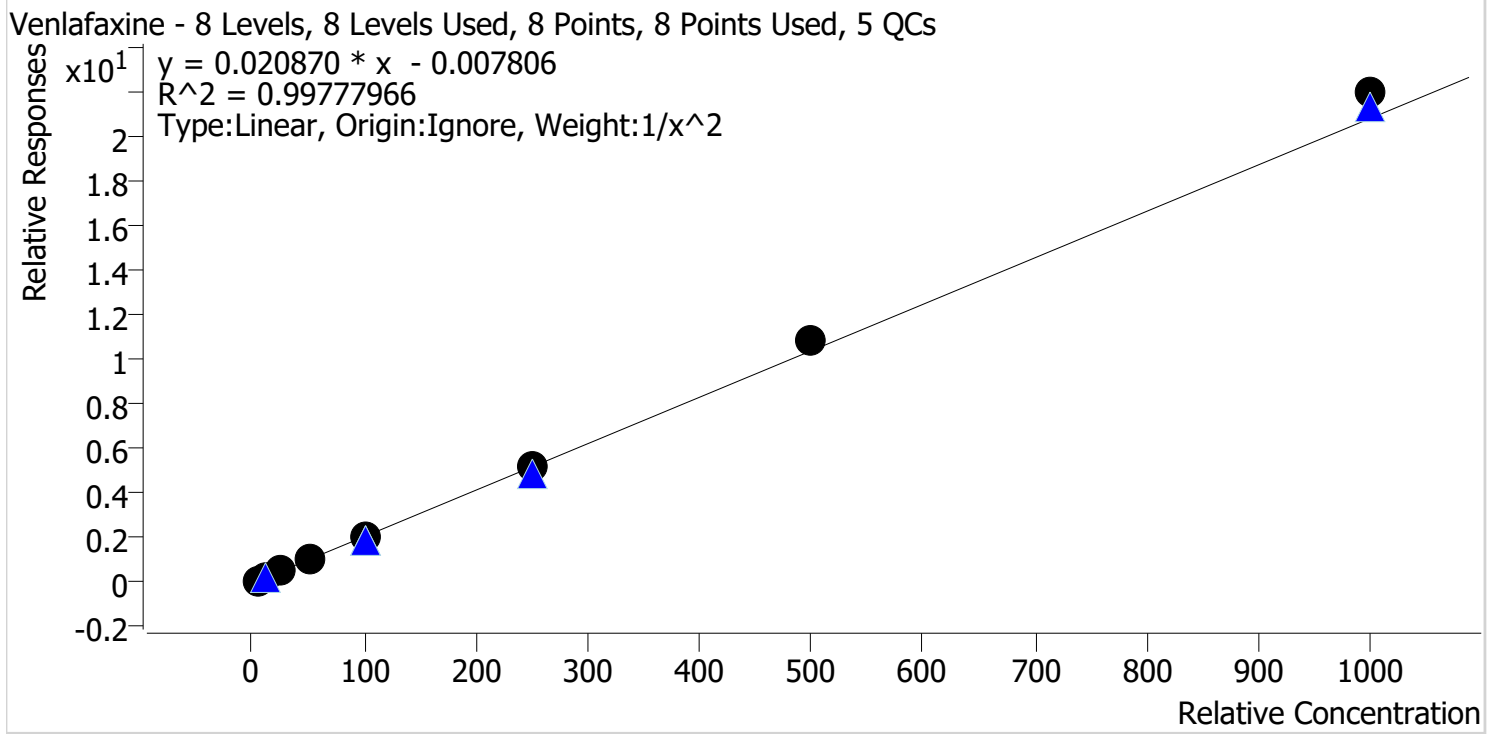
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng	4	✓	50.0	52.8	105.5
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	242.9	97.2
p1 Cal 7-500ng	7	✓	500.0	426.7	85.3
p1 Cal 8-1000ng	8	✗	1000.0	755.4	75.5

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	525.6	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1055.6	105.6

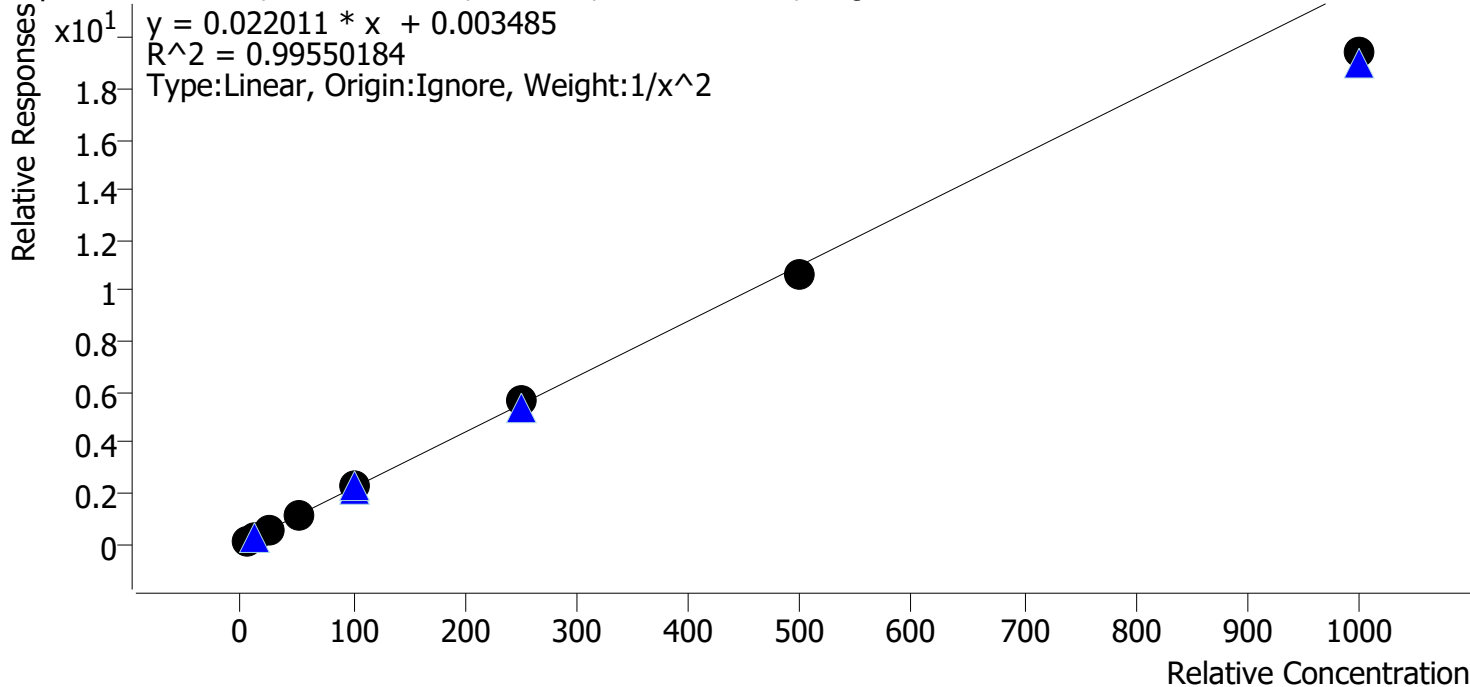
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 5/29/2024 12:02 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.2
p1 Cal 4-50ng	4	✓	50.0	52.7	105.5
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	255.9	102.3
p1 Cal 7-500ng	7	✓	500.0	486.1	97.2
p1 Cal 8-1000ng	8	✓	1000.0	882.3	88.2

# AM #28 Multi-Drug Quant. Results

TS

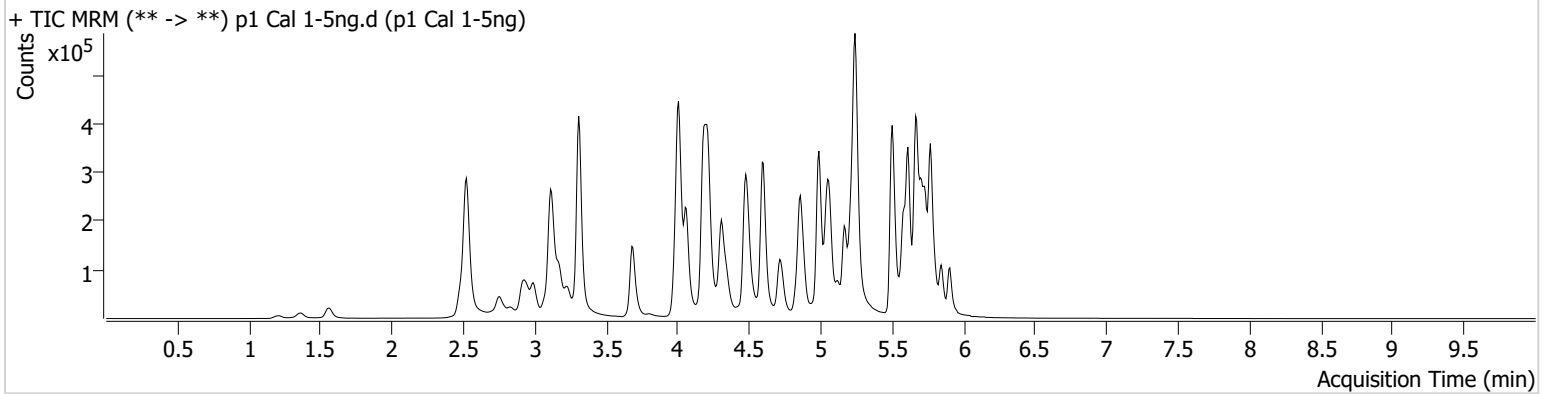


**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 5/29/2024 12:02:47 PM

**Instrument** Falco (069901) **Data File** p1 Cal 1-5ng.d  
**Type** Cal **Sample** p1 Cal 1-5ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-A1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 5/28/2024 2:25:46 PM  
**Sample Info.**

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	800	15.48	74.6	1759.50	46722	0.5078 ng/ml
7-aminoclonazepam	4.217	11129	30853.99	65.9	76.55	111587	4.9961 ng/ml
9-hydroxyrisperidone	4.596	2447	184.60	3253.8	1575.02	690289	4.9295 ng/ml
a-hydroxyalprazolam	5.651	6729	23.76	78.9	218.58	59787	4.8605 ng/ml
alpha-PHP	4.881	14784	273.82	253.4	11259.97	441633	4.8107 ng/ml
alpha-PVP	4.315	53402	358.53	46.6	160.63	441633	5.0441 ng/ml
Alprazolam	5.734	23989	535.54	100.3	180.61	187447	5.0594 ng/ml
Amphetamine	2.992	95991	85.34	46.3	50.77	214339	4.8264 ng/ml
Benzoylcegonine	3.835	1337	49.75	37.0	15.02	10186	5.1702 ng/ml
Bromazolam	5.773	12572	21160.16	125.6	4841.80	112996	4.8751 ng/ml
Buprenorphine	5.820	1173	38.77	14.1	128.55	95697	0.4758 ng/ml
Bupropion	4.738	49026	209.74	67.4	277.37	264957	5.0162 ng/ml
Carisoprodol	5.682	30057	1434.33	63.0	219.27	246520	5.1790 ng/ml
Citalopram	5.166	42426	513.95	29.9	4263.48	391800	5.0854 ng/ml
Clonazepam	5.570	23207	197.67	35.4	25.24	72164	4.8061 ng/ml
Clonazolam	5.513	11946	16882.12	44.2	762.26	72164	4.8587 ng/ml
Cocaine	4.216	35090	489.29	55.2	85.18	611870	5.0249 ng/ml
Codeine	2.528	3482	161.12	103.9	52.75	36181	4.6271 ng/ml
Cyclobenzaprine	5.586	34509	719.18	9.6	2250.52	363981	5.1608 ng/ml
Dextromethorphan	5.230	25494	69.05	89.8	190.56	257501	5.0309 ng/ml
Dextrorphan	4.062	16482	219.71	206.4	624.04	403036	5.0548 ng/ml
Diazepam	5.906	17846	110.59	90.4	234.95	162413	5.0257 ng/ml
Dihydrocodeine	2.514	8873	212.99	70.4	6742.04	113859	4.7848 ng/ml
Diphenhydramine	5.244	117490	390.47	28.6	639.53	1182171	5.0693 ng/ml
Doxylamine	4.497	85956	854.39	99.9	70030.41	845294	5.1038 ng/ml
Duloxetine	5.606	6196	567.02	10.1	51.97	69308	5.0492 ng/ml
EDDP	5.215	25372	23738.22	39.7	20028.64	260298	5.1923 ng/ml
Etizolam	5.773	17404	15637.58	26.6	3698.16	72164	5.2331 ng/ml
Fentanyl	5.055	4052	91.81	73.8	993.67	460507	0.4962 ng/ml
Fluorofentanyl	5.110	10726	77.42	42.5	3790.69	3865	0.4358 ng/ml
Fluoxetine	5.666	62324	4820.01	7.3	37.08	476219	5.0140 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.975	12520	293.55	38.5	49.85	137766	4.9714 ng/ml
Hydromorphone	1.569	9346	12805.86	79.9	588.70	65537	5.0285 ng/ml
Hydroxyzine	5.670	44608	4206.26	72.1	29921.08	257501	5.1548 ng/ml
Ketamine	4.001	34747	1742.31	32.2	97.35	267764	4.8586 ng/ml
Lamotrigine	4.218	3152	612.02	92.5	965.44	828899	4.8041 ng/ml
Lorazepam	5.706	23277	402.22	51.2	83.19	322452	4.6902 ng/ml
MDA	3.140	49698	1757.85	32.5	98.72	315124	4.8080 ng/ml
MDMA	3.234	37287	43619.37	82.9	476.40	72930	5.0700 ng/ml
Meprobamate	4.861	12536	69.88	39.3	342.04	116552	4.8667 ng/ml
Methadone	5.618	62388	1726.25	59.5	635.91	497675	5.1348 ng/ml
Methamphetamine	3.175	175504	186.75	35.8	633.50	525251	4.8627 ng/ml
Metoprolol	4.272	10205	3542.08	108.2	621.87	790215	4.8392 ng/ml
Mirtazapine	4.593	60290	549.19	63.6	1196.46	441633	4.8769 ng/ml
Mitragynine	5.191	14684	12777.47	35.3	3608.78	497675	5.0294 ng/ml
Morphine	1.213	2303	221.46	35.8	3946.01	3745	5.1660 ng/ml
Norbuprenorphine	4.938	270	11.21	84.6	607.99	20936	0.4844 ng/ml
Nordiazepam	5.853	21990	295.29	50.1	167.85	148524	5.0293 ng/ml
Norfentanyl	4.028	7457	193.21	39.0	95.46	727793	0.5091 ng/ml
Norhydrocodone	3.009	2349	40.36	36.5	42.47	29608	5.4468 ng/ml
Noroxycodone	2.852	7138	284.23	51.8	323.70	49567	5.0542 ng/ml
O-desmethyl-tramadol	3.315	84968	1569.63	5.3	427.67	1010935	5.1260 ng/ml
o-desmethylvenlafaxine	4.013	69515	6524.31	23.2	232.49	16241	5.0187 ng/ml
Olanzapine	4.421	13357	179.26	52.3	1045.08	61555	4.9799 ng/ml
Oxazepam	5.715	30010	818.64	66.9	95.99	322452	4.8319 ng/ml
Oxycodone	2.784	18597	547.52	32.0	346.84	154052	4.9947 ng/ml
Oxymorphone	1.366	4483	16.65	58.8	110.37	37026	4.8375 ng/ml
Phentermine	3.717	18969	245.80	7.2	26.94	424018	4.7863 ng/ml
Promethazine	5.503	66197	210.59	33.0	494.16	722964	5.1233 ng/ml
Pseudoephedrine	2.532	93353	2548.74	16.6	5985.66	828899	5.0945 ng/ml
Quetiapine	5.519	47810	574.00	59.7	295.63	135758	4.8759 ng/ml
Sertraline	5.735	20157	187.75	89.5	31729.60	174324	5.0757 ng/ml
Temazepam	5.776	51229	219.78	23.8	78.20	468323	5.0629 ng/ml
Tramadol	4.191	76151	255.18	3.6	55.00	790215	4.9428 ng/ml
Trazodone	5.123	70324	61903.47	60.3	556.53	423857	4.8140 ng/ml
Venlafaxine	4.989	79101	323.22	31.2	80.17	795435	5.1391 ng/ml
Xylazine	4.035	27951	2146.02	39.3	28.69	276746	5.0696 ng/ml
Zolpidem	4.879	64826	175365.34	27.2	1296.44	572218	4.9885 ng/ml



# AM #28 Multi-Drug Quant. Results

TS

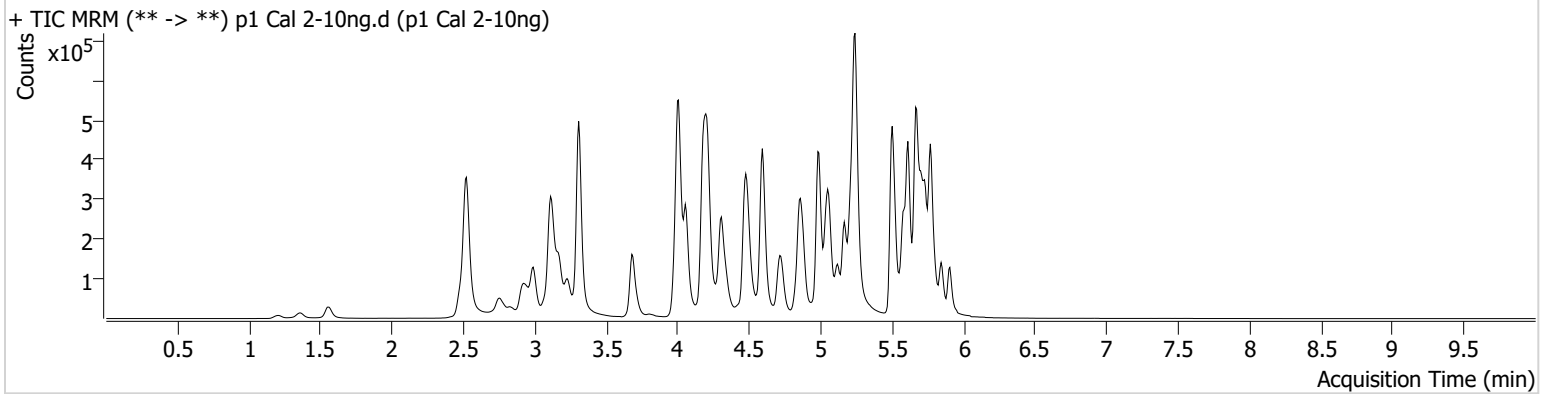


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**Calibration Last Update** 5/29/2024 12:02:47 PM

<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>	5/28/2024 2:36:34 PM		
<b>Sample Info.</b>			

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.075	1782	430.45	73.7	60.03	51007	0.9875 ng/ml
7-aminoclonazepam	4.210	23693	2921.75	65.0	9890.22	117467	10.0056 ng/ml
9-hydroxyrisperidone	4.596	5570	7362.76	3205.4	286701.22	752310	10.3384 ng/ml
a-hydroxyalprazolam	5.651	14562	404.03	69.7	104.40	65697	9.9408 ng/ml
alpha-PHP	4.881	32148	1305.23	269.8	390.38	490748	10.1563 ng/ml
alpha-PVP	4.315	120993	612.96	47.1	234.08	490748	9.9356 ng/ml
Alprazolam	5.734	53083	616.11	98.5	289.14	200102	9.9919 ng/ml
Amphetamine	2.992	204549	994.97	46.0	316.68	234593	10.3658 ng/ml
Benzoylcegonine	3.835	2762	130.67	41.6	71.78	11895	9.0753 ng/ml
Bromazolam	5.773	28311	29939.00	119.6	353.90	124331	10.2393 ng/ml
Buprenorphine	5.820	3134	1611.98	11.4	428.96	104184	1.1153 ng/ml
Bupropion	4.731	109563	299.15	70.5	192.22	300590	9.8944 ng/ml
Carisoprodol	5.682	64570	1707.60	65.9	176.19	270402	9.6211 ng/ml
Citalopram	5.166	96244	456.85	28.0	168.14	424319	9.8965 ng/ml
Clonazepam	5.570	50831	142.21	34.7	12934.11	77667	10.3556 ng/ml
Clonazolam	5.513	27708	31835.20	37.3	11662.98	77667	10.4004 ng/ml
Cocaine	4.209	78570	250.13	52.5	133.77	673364	9.9890 ng/ml
Codeine	2.528	8168	12363.31	98.1	316.31	38202	10.8532 ng/ml
Cyclobenzaprine	5.586	75529	247.78	9.1	112.95	392315	9.7283 ng/ml
Dextromethorphan	5.223	57037	113.57	86.7	87.62	285411	9.9320 ng/ml
Dextrorphan	4.062	36492	1444.23	205.7	1085.44	437017	9.8890 ng/ml
Diazepam	5.906	38318	281.99	85.8	312.43	175582	9.8597 ng/ml
Dihydrocodeine	2.507	20550	4017.04	67.4	378.35	126324	10.3517 ng/ml
Diphenhydramine	5.244	260688	5393.79	29.1	64.54	1305763	9.8613 ng/ml
Doxylamine	4.490	194841	36615.91	96.4	7544.36	933127	9.7940 ng/ml
Duloxetine	5.606	12799	596.10	10.3	60.10	74985	9.6886 ng/ml
EDDP	5.215	60057	178.74	40.4	56.07	322544	9.5174 ng/ml
Etizolam	5.773	36799	55316.29	26.0	359.58	77667	9.5565 ng/ml
Fentanyl	5.055	9614	373.58	64.5	6180.48	503574	1.0392 ng/ml
Fluorofentanyl	5.110	25165	403.58	39.2	2263.28	4330	0.9813 ng/ml
Fluoxetine	5.666	133611	479.06	7.5	6759.92	501132	9.9746 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.968	26928	188.05	39.2	52.93	150847	9.9454 ng/ml
Hydromorphone	1.562	20886	115620.72	82.4	43201.25	72513	9.8918 ng/ml
Hydroxyzine	5.670	97716	140267.97	72.9	15042.81	285411	9.6682 ng/ml
Ketamine	4.001	75951	1840.37	32.8	287.43	295982	10.2446 ng/ml
Lamotrigine	4.219	7206	6866.41	79.2	3387.90	930182	10.4110 ng/ml
Lorazepam	5.706	47943	692.45	55.0	147.05	338150	10.7148 ng/ml
MDA	3.133	110043	113.75	32.1	79.16	337046	10.3294 ng/ml
MDMA	3.234	80250	131488.94	88.5	823.25	79822	9.7738 ng/ml
Meprobamate	4.854	26268	208.86	39.4	570.67	127165	10.0245 ng/ml
Methadone	5.611	137764	5018.33	58.8	792.74	558495	9.7465 ng/ml
Methamphetamine	3.175	272380	244.45	36.4	85.21	587624	10.0684 ng/ml
Metoprolol	4.272	22622	391.24	103.1	506.50	853348	10.2386 ng/ml
Mirtazapine	4.587	139011	99263.10	60.7	1631.13	490748	10.2215 ng/ml
Mitragynine	5.191	32311	7815.76	32.7	316.76	558495	9.7993 ng/ml
Morphine	1.213	4084	85.15	43.3	100.26	4106	9.3053 ng/ml
Norbuprenorphine	4.938	561	546.32	100.2	751.10	23676	1.0871 ng/ml
Nordiazepam	5.853	48092	527.33	54.0	197.66	163613	9.9401 ng/ml
Norfentanyl	4.028	17711	26731.64	37.3	68.91	828206	0.9842 ng/ml
Norhydrocodone	3.009	5059	79.87	38.4	34.32	35224	8.8232 ng/ml
Noroxycodone	2.852	15676	162.71	53.2	131.39	55845	9.7740 ng/ml
O-desmethyl-tramadol	3.315	185725	522.15	5.6	246.71	1112893	9.6876 ng/ml
o-desmethylvenlafaxine	4.006	156385	6458.19	23.0	1139.53	17104	10.0967 ng/ml
Olanzapine	4.421	25403	23022.81	56.0	104.83	58489	9.9767 ng/ml
Oxazepam	5.708	65566	1422.18	67.0	96.90	338150	10.4341 ng/ml
Oxycodone	2.777	41163	697.65	30.3	129.71	169456	9.9687 ng/ml
Oxymorphone	1.359	11004	∞	48.2	98.76	39462	10.5657 ng/ml
Phentermine	3.717	43567	501.10	6.5	35.23	462603	10.4520 ng/ml
Promethazine	5.503	144972	5029.42	32.4	244.62	791990	9.7017 ng/ml
Pseudoephedrine	2.532	209083	391.93	16.8	2207.89	930182	9.7973 ng/ml
Quetiapine	5.519	110806	10698.26	55.4	13825.70	145210	10.3826 ng/ml
Sertraline	5.735	42736	137.67	92.4	66097.40	182017	9.8728 ng/ml
Temazepam	5.776	106633	310.54	26.8	97.57	498287	9.6665 ng/ml
Tramadol	4.191	171030	256.38	3.6	120.46	853348	10.1489 ng/ml
Trazodone	5.116	159931	144535.35	59.8	119157.72	470824	10.3662 ng/ml
Venlafaxine	4.989	173807	372.63	32.1	115.00	898487	9.6432 ng/ml
Xylazine	4.028	62717	41036.59	42.8	320.20	305152	9.8932 ng/ml
Zolpidem	4.879	139156	91497.16	29.1	429.24	640001	9.7198 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

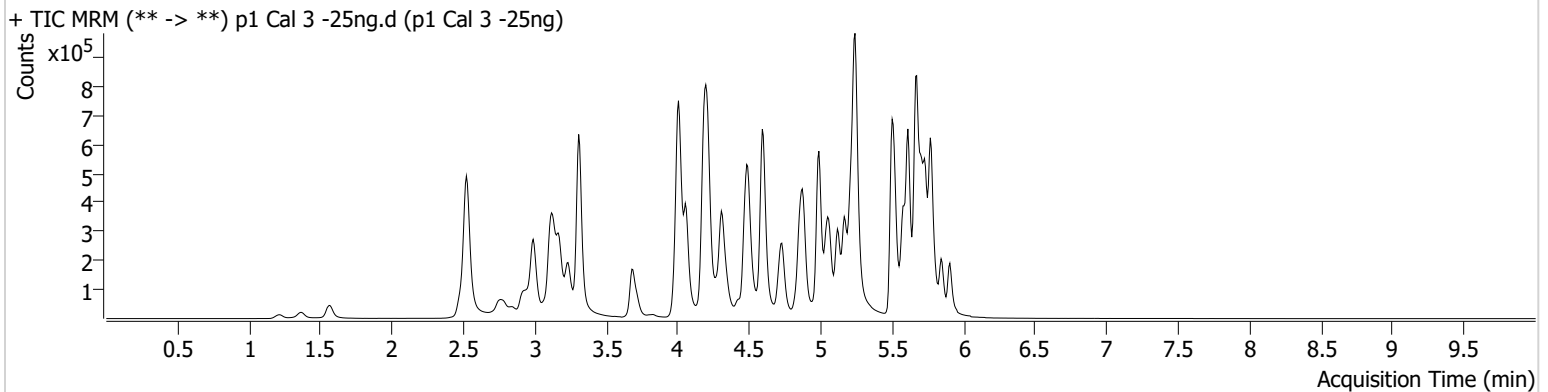
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**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-C1  
**Injection Volume** 2  
**Acq. Date-Time** 5/28/2024 2:47:13 PM  
**Sample Info.**

**Data File** p1 Cal 3 -25ng.d  
**Sample** p1 Cal 3 -25ng  
**Operator** Tamara Salazar

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.075	4613	295.79	69.9	3030.89	52517	2.4112 ng/ml
7-aminoclonazepam	4.217	66360	1246.01	68.2	6094.55	130103	25.1553 ng/ml
9-hydroxyrisperidone	4.596	14204	16333.01	3328.9	3030.47	789257	25.1853 ng/ml
a-hydroxyalprazolam	5.651	39154	752.24	70.2	373.05	65499	27.4550 ng/ml
alpha-PHP	4.881	85555	2060.26	262.6	85504.75	508920	27.2785 ng/ml
alpha-PVP	4.315	316629	4530.00	47.4	310.52	508920	24.5602 ng/ml
Alprazolam	5.734	134756	454.54	105.1	892.52	208898	23.6361 ng/ml
Amphetamine	2.992	503980	190.54	46.2	133.70	240863	26.3074 ng/ml
Benzoylcegonine	3.829	7767	2394.10	43.0	15.92	11501	26.2195 ng/ml
Bromazolam	5.766	73382	49117.87	117.9	107529.50	128126	26.1334 ng/ml
Buprenorphine	5.826	7553	4631.47	13.2	1479.01	113642	2.4208 ng/ml
Bupropion	4.731	288398	23784.63	70.3	244.15	313011	25.0317 ng/ml
Carisoprodol	5.682	157910	349.61	68.2	366.77	261763	23.4745 ng/ml
Citalopram	5.166	249458	736.92	30.3	2023.51	436551	23.8835 ng/ml
Clonazepam	5.570	128042	229.71	35.3	36465.97	78000	26.8103 ng/ml
Clonazolam	5.513	69957	106462.84	36.0	35949.10	78000	26.0533 ng/ml
Cocaine	4.209	200174	205.93	57.3	16437.95	690944	24.4651 ng/ml
Codeine	2.528	21058	766.25	96.9	61.68	40075	27.3571 ng/ml
Cyclobenzaprine	5.586	200128	4319.40	9.1	139.25	417118	23.1567 ng/ml
Dextromethorphan	5.223	149074	116.14	86.6	319.26	290820	25.1334 ng/ml
Dextrorphan	4.062	95232	767.59	202.8	1037.95	446429	24.6178 ng/ml
Diazepam	5.906	99611	1604.53	93.8	424.22	179201	24.9230 ng/ml
Dihydrocodeine	2.507	55371	156943.36	67.6	688.06	130834	27.4667 ng/ml
Diphenhydramine	5.244	670867	276.18	30.3	261.95	1327094	24.4809 ng/ml
Doxylamine	4.490	515568	4203.71	97.7	6583.97	960267	24.1601 ng/ml
Duloxetine	5.606	35493	5080.56	11.5	5493.34	79429	25.4501 ng/ml
EDDP	5.215	174048	2418.97	41.7	4880.80	363784	23.7635 ng/ml
Etizolam	5.773	93030	136395.22	27.3	31843.10	78000	22.9160 ng/ml
Fentanyl	5.055	23680	2822.61	67.3	36322.34	526915	2.4028 ng/ml
Fluorofentanyl	5.110	64056	421.57	41.5	188.49	4624	2.4254 ng/ml
Fluoxetine	5.666	352642	514.72	7.3	254.98	534919	24.3223 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.968	70360	95.05	39.5	116.74	155284	25.5305 ng/ml
Hydromorphone	1.569	55387	236794.06	80.5	122105.56	74980	24.9629 ng/ml
Hydroxyzine	5.670	260927	4383.60	72.0	54457.45	290820	24.4744 ng/ml
Ketamine	4.001	191219	633.76	33.0	331.70	303866	26.0699 ng/ml
Lamotrigine	4.218	18099	1138.02	85.4	6454.44	951317	26.4411 ng/ml
Lorazepam	5.706	113800	2829.04	54.7	135.56	336886	27.6839 ng/ml
MDA	3.133	277001	90.22	32.8	3613.00	333976	26.7813 ng/ml
MDMA	3.234	212395	126.30	87.8	2783.34	82228	24.7929 ng/ml
Meprobamate	4.854	69674	751.81	38.7	530.20	126547	27.9455 ng/ml
Methadone	5.611	359747	703.51	61.3	656.02	586561	23.6849 ng/ml
Methamphetamine	3.175	529548	12260.31	36.9	465.92	603902	26.6980 ng/ml
Metoprolol	4.272	60231	2886.83	106.2	960.15	896661	26.3879 ng/ml
Mirtazapine	4.587	366605	77624.62	59.3	97832.09	508920	26.1405 ng/ml
Mitragynine	5.191	88150	67692.04	30.8	15278.63	586561	25.3520 ng/ml
Morphine	1.220	10408	386.03	39.7	190.51	4247	25.1773 ng/ml
Norbuprenorphine	4.938	1183	521.82	92.0	51.16	24244	2.4844 ng/ml
Nordiazepam	5.853	125042	643.63	53.9	1423.89	170262	24.7682 ng/ml
Norfentanyl	4.028	46470	1006.57	36.1	358.02	840914	2.4293 ng/ml
Norhydrocodone	3.009	14287	99.98	38.4	73.13	35520	22.4063 ng/ml
Noroxycodone	2.852	39612	90.85	55.1	1403.86	55949	24.5286 ng/ml
O-desmethyl-tramadol	3.315	497199	12592.50	5.6	376.56	1152150	24.2615 ng/ml
o-desmethylvenlafaxine	4.006	412017	60000.77	22.6	428.83	18140	24.2664 ng/ml
Olanzapine	4.421	73501	2187.97	56.4	492.66	66614	25.3605 ng/ml
Oxazepam	5.708	159440	326.01	69.7	238.69	336886	25.9571 ng/ml
Oxycodone	2.777	109186	442.28	31.3	669.62	177354	25.1406 ng/ml
Oxymorphone	1.366	28598	127.84	50.8	∞	41949	25.1956 ng/ml
Phentermine	3.717	112697	212.19	6.5	148.32	479776	26.5772 ng/ml
Promethazine	5.503	391538	1997.40	32.4	4068.41	822270	24.3711 ng/ml
Pseudoephedrine	2.532	542136	532.26	17.0	10338.69	951317	24.2680 ng/ml
Quetiapine	5.519	288056	2077.51	57.5	104728.88	153914	25.2375 ng/ml
Sertraline	5.735	118311	171.45	89.0	213.46	200444	24.1829 ng/ml
Temazepam	5.776	278099	721.78	27.5	428.90	492350	25.1061 ng/ml
Tramadol	4.191	455374	∞	3.4	156.49	896661	25.5305 ng/ml
Trazodone	5.116	410226	264.44	61.8	303434.11	484559	26.5624 ng/ml
Venlafaxine	4.989	459603	534.87	32.0	240.07	916641	24.3994 ng/ml
Xylazine	4.028	162808	2380.24	42.0	395.52	316023	24.1820 ng/ml
Zolpidem	4.879	382313	215394.34	27.4	963.05	662569	26.0561 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

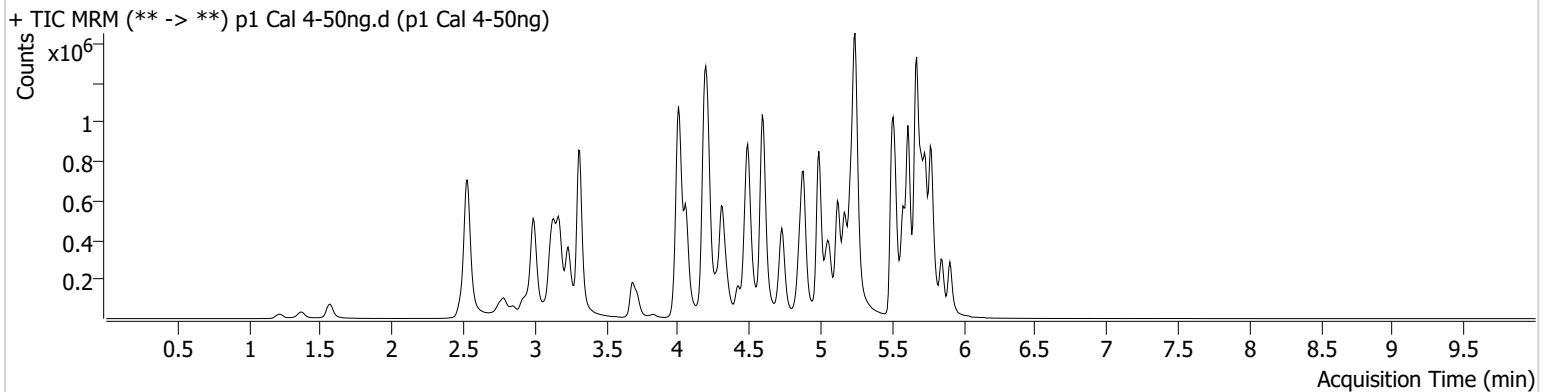


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**Instrument** Falco (069901) **Data File** p1 Cal 4-50ng.d  
**Type** Cal **Sample** p1 Cal 4-50ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-D1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 5/28/2024 2:57:52 PM  
**Sample Info.**

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.082	9527	300.42	71.4	823.10	54294	4.7698 ng/ml
7-aminoclonazepam	4.217	138697	2986.91	67.4	4051.50	137548	49.6367 ng/ml
9-hydroxyrisperidone	4.596	28603	810.65	3489.5	1192.66	833690	48.0484 ng/ml
a-hydroxyalprazolam	5.651	78065	276.32	71.0	452.54	65748	54.9067 ng/ml
alpha-PHP	4.881	175334	2469.68	261.1	30267.79	527325	54.7109 ng/ml
alpha-PVP	4.315	659693	11769.72	48.1	663.54	527325	49.0452 ng/ml
Alprazolam	5.734	279502	3081.27	102.3	2322.04	203374	49.8343 ng/ml
Amphetamine	2.992	1043889	63.40	44.3	47.73	246375	54.3203 ng/ml
Benzoylcegonine	3.829	15932	366.17	39.3	10680.00	12112	50.9797 ng/ml
Bromazolam	5.773	139219	87978.87	122.2	136295.85	123405	51.7186 ng/ml
Buprenorphine	5.826	15780	10366.48	14.1	56.53	114443	4.9838 ng/ml
Bupropion	4.731	597371	5446.33	71.5	7697.14	322053	50.4073 ng/ml
Carisoprodol	5.682	315384	736.31	66.1	379.76	251099	48.2862 ng/ml
Citalopram	5.166	533910	586.12	28.8	296.91	451609	48.6751 ng/ml
Clonazepam	5.570	249913	9008.75	36.5	2976.34	77433	53.2477 ng/ml
Clonazolam	5.513	138234	222536.42	36.4	399.71	77433	51.7972 ng/ml
Cocaine	4.209	424623	313.36	55.2	389.85	710393	50.2352 ng/ml
Codeine	2.535	41918	1819.44	96.5	96.47	40080	54.9152 ng/ml
Cyclobenzaprine	5.586	425868	295.56	9.1	1282.20	419230	48.2142 ng/ml
Dextromethorphan	5.223	306069	1659.25	86.3	607.20	311368	47.9961 ng/ml
Dextrorphan	4.062	197664	535.86	201.5	537.83	459358	49.2365 ng/ml
Diazepam	5.906	203088	648.55	90.0	487.49	178485	50.8880 ng/ml
Dihydrocodeine	2.514	111386	761.35	71.0	326.60	136655	53.2084 ng/ml
Diphenhydramine	5.244	1412512	193.16	30.5	845.34	1392825	48.7911 ng/ml
Doxylamine	4.490	1087997	48732.84	94.9	263.12	995806	48.4911 ng/ml
Duloxetine	5.606	67738	4285.68	11.4	1553.31	76707	50.3470 ng/ml
EDDP	5.215	361297	1835.87	40.9	582.67	372506	47.7217 ng/ml
Etizolam	5.773	189757	254381.85	26.7	38419.73	77433	46.2923 ng/ml
Fentanyl	5.055	49325	47.52	68.2	47017.77	551779	4.7477 ng/ml
Fluorofentanyl	5.110	140106	5868.64	39.3	9318.65	4769	5.2137 ng/ml
Fluoxetine	5.666	735302	693.53	6.9	20016.14	522614	51.6465 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.975	149135	362.49	39.5	598.88	162556	51.8849 ng/ml
Hydromorphone	1.569	114404	166.57	80.6	514979.47	76486	50.2807 ng/ml
Hydroxyzine	5.670	538530	13237.61	72.4	21543.80	311368	46.6862 ng/ml
Ketamine	4.001	401973	758.77	32.8	181.49	313013	53.8798 ng/ml
Lamotrigine	4.218	36937	17331.45	87.3	22218.05	970908	53.4724 ng/ml
Lorazepam	5.706	206645	992.14	56.8	364.06	324722	53.5313 ng/ml
MDA	3.140	545698	1648.15	32.6	349.27	334657	52.9913 ng/ml
MDMA	3.234	441258	2413.91	89.6	115.33	85391	49.3973 ng/ml
Meprobamate	4.854	133899	393931.71	40.1	129.58	132196	52.0289 ng/ml
Methadone	5.618	751927	1016.83	62.1	43037.33	601847	47.8649 ng/ml
Methamphetamine	3.175	985079	534.11	36.1	3400.95	633848	53.9444 ng/ml
Metoprolol	4.272	127287	1126.25	104.3	10471.45	944664	53.2236 ng/ml
Mirtazapine	4.587	755061	2325.75	61.0	13985.68	527325	52.0538 ng/ml
Mitragynine	5.191	174344	12207.13	33.5	176967.71	601847	48.8078 ng/ml
Morphine	1.220	20857	441.40	40.5	76.05	4427	49.8163 ng/ml
Norbuprenorphine	4.944	2149	163.69	119.3	10581.40	24961	4.5654 ng/ml
Nordiazepam	5.853	245586	429.50	53.8	3608.71	167793	49.3164 ng/ml
Norfentanyl	4.028	93047	717.86	37.0	271.12	844802	4.7703 ng/ml
Norhydrocodone	3.009	31770	170.31	39.4	78.23	38057	45.1287 ng/ml
Noroxycodone	2.852	84031	333.75	52.5	2170.75	56737	51.2222 ng/ml
O-desmethyl-tramadol	3.315	1048724	19228.44	5.7	264.65	1205835	48.3903 ng/ml
o-desmethylvenlafaxine	4.006	849415	33780.32	22.5	2401.89	18384	48.7941 ng/ml
Olanzapine	4.421	241467	159.60	57.2	3206.81	108765	51.0359 ng/ml
Oxazepam	5.708	303158	442.06	68.3	291.24	324722	51.5334 ng/ml
Oxycodone	2.784	227788	1906.18	31.8	549.47	184169	50.4268 ng/ml
Oxymorphone	1.366	60732	∞	49.1	91.75	43463	51.1782 ng/ml
Phentermine	3.717	235613	234.73	6.4	339.43	498394	53.8331 ng/ml
Promethazine	5.503	807145	2983.01	32.4	396.06	856378	47.7096 ng/ml
Pseudoephedrine	2.532	1123760	79.74	16.7	48358.83	970908	48.9050 ng/ml
Quetiapine	5.519	600567	973.85	56.0	617.86	154655	52.1971 ng/ml
Sertraline	5.735	230372	1099.99	89.6	5424.16	191389	48.8790 ng/ml
Temazepam	5.776	534871	979.11	26.5	398.88	458703	51.5636 ng/ml
Tramadol	4.191	940389	4801.42	3.7	295.47	944664	49.9274 ng/ml
Trazodone	5.116	848352	84922.31	62.1	73.75	508926	52.7732 ng/ml
Venlafaxine	4.989	964126	1212.84	32.3	792.77	970178	47.9918 ng/ml
Xylazine	4.028	344636	141916.04	43.9	826.13	327334	48.9932 ng/ml
Zolpidem	4.879	797253	3622.72	27.4	208345.47	684633	52.7459 ng/ml



# AM #28 Multi-Drug Quant. Results

TS



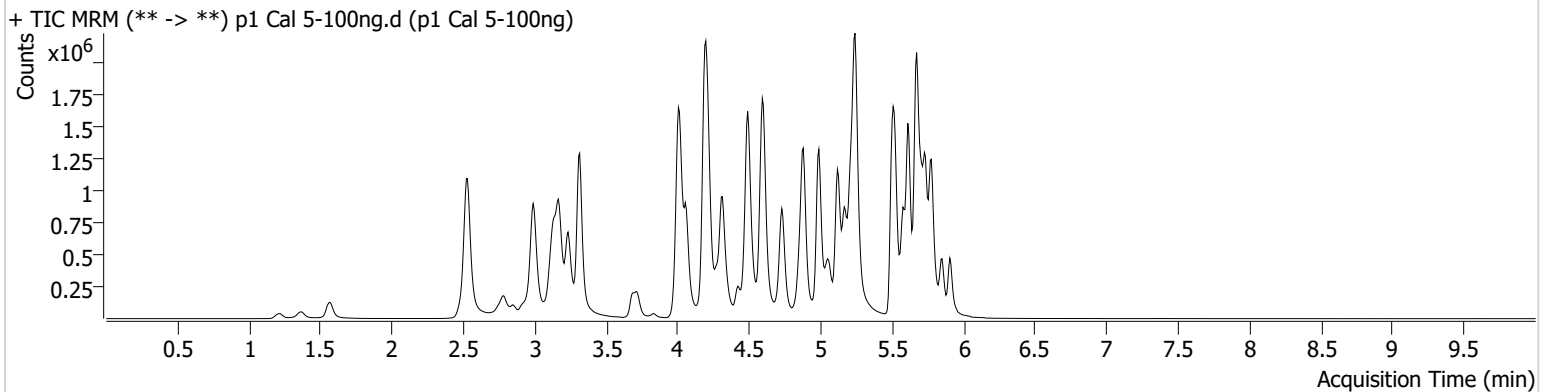
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**Calibration Last Update** 5/29/2024 12:02:47 PM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-E1  
**Injection Volume** 2  
**Acq. Date-Time** 5/28/2024 3:08:29 PM  
**Sample Info.**

**Data File** p1 Cal 5-100ng.d  
**Sample** p1 Cal 5-100ng  
**Operator** Tamara Salazar

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.075	20346	265.94	64.0	316.73	52914	10.3953 ng/ml
7-aminoclonazepam	4.217	249853	285.66	66.7	126.80	123735	99.3029 ng/ml
9-hydroxyrisperidone	4.596	58202	100.28	3428.2	4156.75	824982	98.8457 ng/ml
a-hydroxyalprazolam	5.651	135937	318.70	71.5	295.42	60339	104.5230 ng/ml
alpha-PHP	4.881	342520	396.09	263.9	2776.42	530244	107.0217 ng/ml
alpha-PVP	4.315	1344353	18205.38	47.8	748.41	530244	99.0514 ng/ml
Alprazolam	5.734	535089	3678.83	100.9	2591.94	196024	98.5263 ng/ml
Amphetamine	2.992	1931799	42691.23	44.7	74.86	248563	100.4928 ng/ml
Benzoylcegonine	3.835	34653	5224.04	39.6	295.31	13270	101.1161 ng/ml
Bromazolam	5.766	261554	115186.67	119.2	13978.81	117432	102.3513 ng/ml
Buprenorphine	5.826	30605	13778.03	15.3	2172.63	116402	9.4707 ng/ml
Bupropion	4.731	1249972	29145.51	69.9	17436.24	334856	101.4559 ng/ml
Carisoprodol	5.682	558227	522.66	67.3	392.26	221088	96.5174 ng/ml
Citalopram	5.166	1041428	525.30	29.1	571.92	430843	98.7991 ng/ml
Clonazepam	5.570	446606	13558.22	35.7	403790.33	71318	103.8360 ng/ml
Clonazolam	5.513	229678	472129.84	38.2	105166.64	71318	93.3912 ng/ml
Cocaine	4.209	841543	3161.22	54.9	235.54	718839	98.1718 ng/ml
Codeine	2.528	78094	170.25	96.2	177.50	37047	111.1611 ng/ml
Cyclobenzaprine	5.586	824333	487.28	9.0	364.23	395149	98.2453 ng/ml
Dextromethorphan	5.223	599508	8237.53	84.5	704.36	294019	99.3237 ng/ml
Dextrorphan	4.062	382574	10837.00	202.4	4885.60	446726	97.5801 ng/ml
Diazepam	5.906	399525	489.96	90.7	1074.83	176554	101.0821 ng/ml
Dihydrocodeine	2.507	212095	448.50	73.6	1140.46	135896	102.1882 ng/ml
Diphenhydramine	5.244	2786862	47288.63	30.4	21231.30	1359385	98.3062 ng/ml
Doxylamine	4.490	2219045	19214.12	96.1	233.60	1011814	96.6802 ng/ml
Duloxetine	5.606	128018	4842.78	10.9	301.71	72104	101.2792 ng/ml
EDDP	5.215	784873	1237.49	40.4	42367.67	390716	98.3658 ng/ml
Etizolam	5.773	359171	7734.75	26.9	98572.65	71318	94.3415 ng/ml
Fentanyl	5.055	104612	225.29	67.0	158.03	553044	10.0103 ng/ml
Fluorofentanyl	5.110	273050	2125.22	40.8	106685.04	4673	10.4309 ng/ml
Fluoxetine	5.666	1286356	1227.83	7.1	225249.56	463966	101.5477 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.968	287726	154.79	40.9	99.37	160637	101.4742 ng/ml
Hydromorphone	1.569	227637	3920.31	82.5	1946.11	77445	98.5581 ng/ml
Hydroxyzine	5.670	998864	819.55	77.1	238570.50	294019	91.1899 ng/ml
Ketamine	4.001	774797	798.50	32.9	7262.47	317837	102.8616 ng/ml
Lamotrigine	4.218	70756	866.79	90.2	150999.80	959990	104.1608 ng/ml
Lorazepam	5.706	306187	20608.26	55.0	704.08	259744	100.4885 ng/ml
MDA	3.133	1022945	99.29	31.9	1244.39	317873	104.9226 ng/ml
MDMA	3.234	891386	145.35	88.1	6995.75	85161	99.8491 ng/ml
Meprobamate	4.854	248841	323.83	38.5	2403.14	126569	101.6830 ng/ml
Methadone	5.618	1455318	764.49	62.6	1474.13	559599	99.2350 ng/ml
Methamphetamine	3.175	1843368	425.12	36.2	13424.38	641078	107.1015 ng/ml
Metoprolol	4.272	254585	3290.24	105.8	155608.33	950762	106.0553 ng/ml
Mirtazapine	4.587	1474789	179180.39	61.4	50647.12	530244	101.2016 ng/ml
Mitragynine	5.191	357800	248899.87	33.3	520.36	559599	107.6508 ng/ml
Morphine	1.213	41046	698.65	39.4	350.15	4438	99.2839 ng/ml
Norbuprenorphine	4.944	4373	3136.38	101.0	64.41	24860	9.5731 ng/ml
Nordiazepam	5.853	468575	2818.78	53.1	750.55	156110	101.0901 ng/ml
Norfentanyl	4.028	177156	31450.24	37.5	2944.16	779057	9.7723 ng/ml
Norhydrocodone	3.009	66371	387.53	38.8	156.58	36896	95.7684 ng/ml
Noroxycodone	2.852	163933	676.67	52.4	189.22	54819	103.3410 ng/ml
O-desmethyl-tramadol	3.315	2117715	1501.16	5.7	7805.58	1200127	97.6686 ng/ml
o-desmethylvenlafaxine	4.006	1685562	699318.92	22.2	2866.76	17918	98.7802 ng/ml
Olanzapine	4.421	367730	113.69	57.6	2164.71	84200	100.4062 ng/ml
Oxazepam	5.708	488057	717.83	68.7	331.51	259744	104.0622 ng/ml
Oxycodone	2.777	453964	3939.56	32.0	498.26	183395	100.8403 ng/ml
Oxymorphone	1.366	114614	204.42	50.5	786.06	41224	101.3943 ng/ml
Phentermine	3.717	457450	352.27	6.2	57.73	500388	104.4197 ng/ml
Promethazine	5.503	1630300	15129.69	32.3	556.69	836023	98.1334 ng/ml
Pseudoephedrine	2.532	2221146	887.88	17.0	53612.36	959990	97.3899 ng/ml
Quetiapine	5.519	1134666	45088.69	60.1	166.26	152308	99.9938 ng/ml
Sertraline	5.735	407641	598.98	88.9	428.79	167594	98.3416 ng/ml
Temazepam	5.776	900285	353.54	26.9	2431.38	393900	100.8305 ng/ml
Tramadol	4.191	1859890	∞	3.7	115.73	950762	97.9953 ng/ml
Trazodone	5.116	1668207	216139.84	64.0	27330.79	501792	105.7334 ng/ml
Venlafaxine	4.989	1927218	∞	31.8	1063.70	967319	95.8398 ng/ml
Xylazine	4.028	679935	110557.26	46.0	2543.55	318416	98.9458 ng/ml
Zolpidem	4.879	1602157	1580911.58	27.0	315787.60	688723	105.5265 ng/ml



# AM #28 Multi-Drug Quant. Results

TS



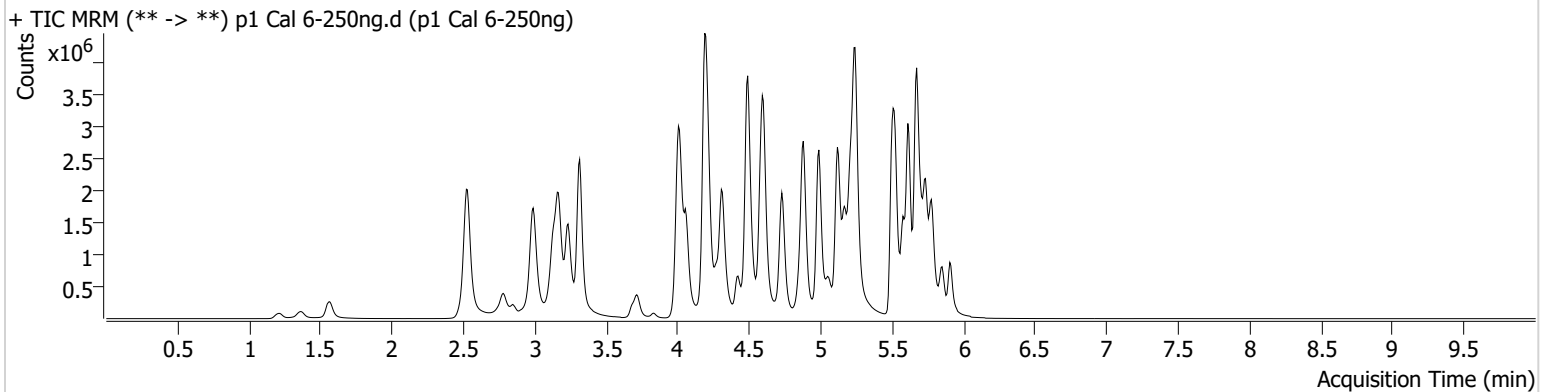
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**Calibration Last Update** 5/29/2024 12:02:47 PM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-F1  
**Injection Volume** 2  
**Acq. Date-Time** 5/28/2024 3:19:07 PM  
**Sample Info.**

**Data File** p1 Cal 6-250ng.d  
**Sample** p1 Cal 6-250ng  
**Operator** Tamara Salazar

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.075	46492	521.40	67.3	231.57	49960	25.0917 ng/ml
7-aminoclonazepam	4.217	499890	10430.92	65.7	2844.77	96008	255.9033 ng/ml
9-hydroxyrisperidone	4.596	134586	1389.24	3557.0	16479.00	752433	250.6707 ng/ml
a-hydroxyalprazolam	5.651	237110	3728.91	71.6	299.04	42739	257.9503 ng/ml
alpha-PHP	4.881	770212	2780.73	261.5	33146.64	497605	257.5239 ng/ml
alpha-PVP	4.315	3189662	228958.38	48.2	1242.99	497605	249.9146 ng/ml
Alprazolam	5.734	1089708	678.23	100.0	863.65	155709	251.8768 ng/ml
Amphetamine	2.992	3849930	106.91	44.7	74444.81	234274	213.6299 ng/ml
Benzoylcegonine	3.829	82542	430.87	38.3	10850.04	12763	250.2836 ng/ml
Bromazolam	5.773	481258	596487.19	125.7	736878.26	89057	248.6858 ng/ml
Buprenorphine	5.826	75762	157744.27	15.3	11442.30	110024	24.7449 ng/ml
Bupropion	4.731	3046064	3553458.20	69.8	424.44	324285	255.3178 ng/ml
Carisoprodol	5.689	938092	2783.00	65.7	1093.17	146254	244.3479 ng/ml
Citalopram	5.166	2387046	1420.97	29.2	1976.14	391363	248.2494 ng/ml
Clonazepam	5.570	799977	78351.36	34.8	597591.99	54150	245.7186 ng/ml
Clonazolam	5.513	455912	27866.24	36.5	194280.72	54150	244.0582 ng/ml
Cocaine	4.209	1941041	403.57	55.4	736.00	646762	251.3158 ng/ml
Codeine	2.528	163367	156.51	97.0	6523.24	34994	246.7533 ng/ml
Cyclobenzaprine	5.586	1901631	765.79	8.7	264.25	361360	246.7218 ng/ml
Dextromethorphan	5.223	1339419	27334.49	82.3	678.81	256609	253.9185 ng/ml
Dextrorphan	4.062	881050	1023.81	202.8	573.68	399459	250.6590 ng/ml
Diazepam	5.906	884919	461.98	89.4	894.96	156270	252.7661 ng/ml
Dihydrocodeine	2.500	492761	3530.62	67.7	997.42	129660	249.3147 ng/ml
Diphenhydramine	5.244	6405120	930.01	30.1	33657.20	1224332	250.3674 ng/ml
Doxylamine	4.490	5691543	21926.71	92.4	175.49	989131	252.6007 ng/ml
Duloxetine	5.606	263242	185723.84	11.4	3891.74	57782	259.9629 ng/ml
EDDP	5.209	2113258	454.46	41.2	475.97	411154	250.9961 ng/ml
Etizolam	5.773	751691	3162.37	27.3	2957.71	54150	258.7221 ng/ml
Fentanyl	5.055	261873	304.07	65.5	295427.92	537302	25.7422 ng/ml
Fluorofentanyl	5.110	654103	516.39	40.9	3845.37	4323	27.1117 ng/ml
Fluoxetine	5.666	2670661	110781.51	7.0	1189.96	390432	250.1954 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.968	694836	1747.02	40.5	∞	155443	253.5209 ng/ml
Hydromorphone	1.562	540544	2129294.29	81.0	1376091.08	71757	252.1791 ng/ml
Hydroxyzine	5.670	2344049	112257.38	78.5	47069.34	256609	244.2964 ng/ml
Ketamine	3.994	1714859	1512.08	33.0	720.73	297959	243.7394 ng/ml
Lamotrigine	4.218	144271	10221.59	90.0	122370.42	835526	244.8266 ng/ml
Lorazepam	5.706	395008	8958.89	58.2	219.86	146691	231.5524 ng/ml
MDA	3.133	2077493	17980.50	30.9	27547.13	263904	257.1710 ng/ml
MDMA	3.234	2082759	198.35	88.8	62974.01	79346	250.0934 ng/ml
Meprobamate	4.854	457093	4484.66	38.4	134.30	111801	212.2481 ng/ml
Methadone	5.611	3544519	4750.88	59.0	991.74	534826	252.3166 ng/ml
Methamphetamine	3.168	4127542	2298.69	36.4	73.67	633873	253.3903 ng/ml
Metoprolol	4.272	571938	1760.60	106.6	52147.78	866142	261.9604 ng/ml
Mirtazapine	4.587	3499877	179747.53	59.7	48921.31	497605	256.0634 ng/ml
Mitragynine	5.191	798045	81679.15	34.0	171147.74	534826	251.1421 ng/ml
Morphine	1.213	95774	∞	41.4	1189.33	3979	260.8207 ng/ml
Norbuprenorphine	4.938	10643	17383.04	112.0	34159.04	24690	23.7997 ng/ml
Nordiazepam	5.853	913591	704.18	54.9	506.22	125629	244.8545 ng/ml
Norfentanyl	4.028	366466	630764.96	37.3	226.12	611385	25.6412 ng/ml
Norhydrocodone	3.009	167440	356.62	40.0	130.42	34557	255.7848 ng/ml
Noroxycodone	2.852	371362	839.17	52.7	1827.71	50416	254.4277 ng/ml
O-desmethyl-tramadol	3.315	5191697	200299.34	5.6	2123.25	1139139	251.4716 ng/ml
o-desmethylvenlafaxine	4.006	3649607	54600.08	22.6	2722.14	15653	244.0140 ng/ml
Olanzapine	4.421	1041882	13746.76	58.9	419.38	94650	253.0863 ng/ml
Oxazepam	5.708	659277	454.85	70.4	∞	146691	249.3761 ng/ml
Oxycodone	2.777	1110392	3226.65	31.7	471.93	176694	255.8835 ng/ml
Oxymorphone	1.359	279839	∞	49.9	∞	40628	250.5481 ng/ml
Phentermine	3.717	997640	640.54	6.1	628.41	480286	237.6901 ng/ml
Promethazine	5.503	3970503	2488.34	32.1	18227.39	790778	251.8210 ng/ml
Pseudoephedrine	2.532	5002778	134693.19	16.6	33087.38	835526	251.4406 ng/ml
Quetiapine	5.519	2571249	187904.97	60.5	292.94	138094	249.6820 ng/ml
Sertraline	5.735	879327	363.24	87.1	7155.82	139309	254.5333 ng/ml
Temazepam	5.783	1461301	577.24	27.1	3009.13	259925	247.6583 ng/ml
Tramadol	4.191	4552514	362.86	3.6	∞	866142	263.0964 ng/ml
Trazodone	5.116	3853121	224140.53	66.9	118164.38	505720	242.9486 ng/ml
Venlafaxine	4.989	4707210	6282.65	31.2	921.16	897476	251.6940 ng/ml
Xylazine	4.028	1585837	20318.07	47.5	2602.69	291224	251.6883 ng/ml
Zolpidem	4.879	3690002	955272.22	27.5	133.49	654801	255.8588 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

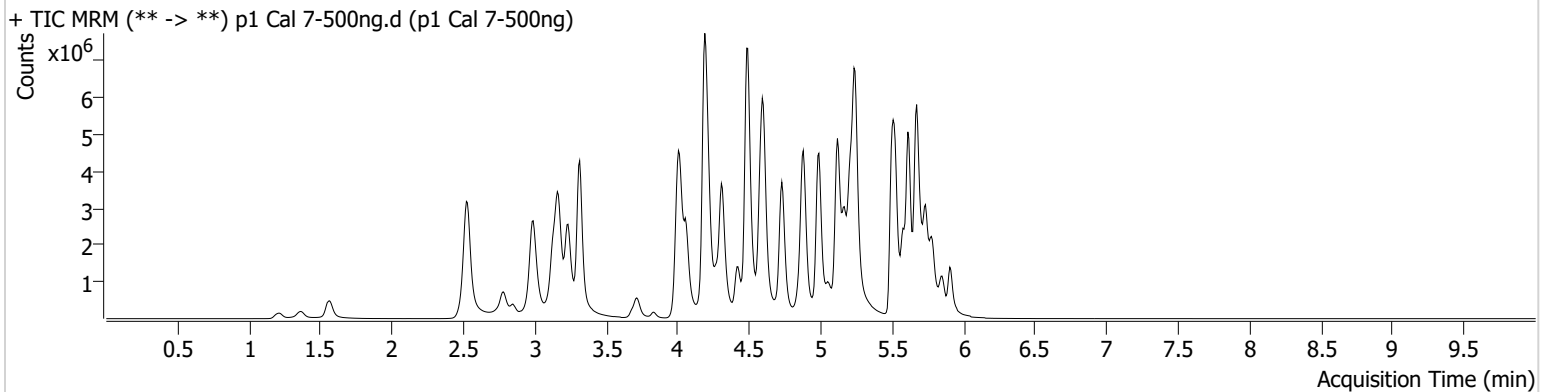
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**Calibration Last Update** 5/29/2024 12:02:47 PM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-G1  
**Injection Volume** 2  
**Acq. Date-Time** 5/28/2024 3:29:46 PM  
**Sample Info.**

**Data File** p1 Cal 7-500ng.d  
**Sample** p1 Cal 7-500ng  
**Operator** Tamara Salazar

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.075	87504	429.00	66.6	1530.16	46029	51.2102 ng/ml
7-aminoclonazepam	4.217	740198	105.85	65.4	416.41	73578	494.3444 ng/ml
9-hydroxyrisperidone	4.596	250080	66911.38	3684.6	12102.70	697169	502.7435 ng/ml
a-hydroxyalprazolam	5.651	308492	175.31	71.7	959.86	30522	470.2547 ng/ml
alpha-PHP	4.881	1308813	7345.69	268.1	12976.88	473538	460.4579 ng/ml
alpha-PVP	4.308	6194555	3507.23	48.6	91079.36	473538	509.6701 ng/ml
Alprazolam	5.734	1754418	761.83	95.1	2220.70	123893	509.1820 ng/ml
Amphetamine	2.992	6112995	86883.82	45.4	67157.60	220568	360.9872 ng/ml
Benzoylcegonine	3.829	181140	1837.91	38.9	1027.96	14013	500.1860 ng/ml
Bromazolam	5.766	708457	778299.46	122.6	592341.50	66124	493.3045 ng/ml
Buprenorphine	5.826	154581	160408.91	14.7	71987.30	110970	50.0210 ng/ml
Bupropion	4.731	5980292	851.16	69.2	1058.63	325127	499.9774 ng/ml
Carisoprodol	5.689	1249114	53378.46	68.7	22648.43	91502	519.4323 ng/ml
Citalopram	5.166	4187700	360.74	28.2	825.47	340524	499.8343 ng/ml
Clonazepam	5.563	1009897	39973.14	34.9	7710.46	39812	422.3087 ng/ml
Clonazolam	5.513	514906	22230.62	39.6	108362.09	39812	374.8747 ng/ml
Cocaine	4.209	3455993	16901.69	55.4	75512.16	571433	506.2203 ng/ml
Codeine	2.528	265615	449.17	93.3	443.38	31858	441.0516 ng/ml
Cyclobenzaprine	5.586	3349734	30378.24	8.2	257.38	301224	520.5543 ng/ml
Dextromethorphan	5.216	2139957	∞	81.2	412.00	205858	505.4748 ng/ml
Dextrorphan	4.062	1522196	29801.88	202.8	1406.98	340240	508.0142 ng/ml
Diazepam	5.906	1549715	23192.64	89.9	810.55	135617	509.9426 ng/ml
Dihydrocodeine	2.500	800860	2174.88	72.8	12116.01	127295	412.9435 ng/ml
Diphenhydramine	5.244	11338806	440915.32	30.1	850.30	1049919	516.5065 ng/ml
Doxylamine	4.490	11465212	476652.65	92.5	534701.50	948554	529.8963 ng/ml
Duloxetine	5.606	378441	5753.18	11.8	10671.99	40949	527.4085 ng/ml
EDDP	5.209	4171224	1448.51	40.3	824.45	386119	527.0623 ng/ml
Etizolam	5.773	1259081	75783.77	27.2	27913.75	39812	588.4679 ng/ml
Fentanyl	5.056	526718	1828.97	66.3	477.00	556025	50.0026 ng/ml
Fluorofentanyl	5.110	1208463	12443.65	42.4	454943.48	4070	53.2626 ng/ml
Fluoxetine	5.673	3779972	29016.08	7.1	1061.96	281065	491.6884 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.968	1277237	476.84	43.2	431.06	150702	480.8464 ng/ml
Hydromorphone	1.562	1056245	134.81	82.0	492.98	71304	495.6531 ng/ml
Hydroxyzine	5.670	4097420	231777.91	79.5	111757.92	205858	531.6816 ng/ml
Ketamine	3.994	2883969	271891.84	32.5	29708.84	277959	439.9262 ng/ml
Lamotrigine	4.219	220024	54.36	84.7	20720.04	734730	425.0421 ng/ml
Lorazepam	5.706	413755	52660.05	58.6	1021.85	79133	451.0771 ng/ml
MDA	3.133	3179801	7802.52	30.3	153.49	222524	467.1075 ng/ml
MDMA	3.234	3838541	131591.73	88.3	59831.50	71754	509.4834 ng/ml
Meprobamate	4.848	665711	5590.02	36.7	214.50	97860	353.6448 ng/ml
Methadone	5.611	6491293	1111.69	60.2	3581.46	471058	524.2374 ng/ml
Methamphetamine	3.168	7593681	864.32	35.6	214.57	625801	479.5983 ng/ml
Metoprolol	4.272	983383	378.11	104.8	19738.93	814783	479.0422 ng/ml
Mirtazapine	4.580	6270557	204986.14	59.2	143.98	473538	482.1767 ng/ml
Mitragynine	5.184	1425625	13455.03	34.0	330128.88	471058	509.3060 ng/ml
Morphine	1.213	176784	3291.97	40.5	2360.02	3843	499.9238 ng/ml
Norbuprenorphine	4.938	21459	33624.89	104.1	56637.47	23680	50.2909 ng/ml
Nordiazepam	5.853	1396347	∞	52.8	18429.60	92794	506.6169 ng/ml
Norfentanyl	4.028	552996	38115.63	37.5	531.98	441907	53.4535 ng/ml
Norhydrocodone	3.009	322028	211.32	40.5	100.59	31458	538.9901 ng/ml
Noroxycodone	2.846	675239	622.25	54.0	1157.92	46669	499.6890 ng/ml
O-desmethyl-tramadol	3.315	10083165	79197.21	5.6	848.93	1074582	517.2154 ng/ml
o-desmethylvenlafaxine	4.006	5970285	162885.26	22.1	1152.13	11521	541.6503 ng/ml
Olanzapine	4.414	2344105	155.90	58.8	515.91	107603	500.8750 ng/ml
Oxazepam	5.708	682247	439.23	69.3	8225.68	79133	478.6952 ng/ml
Oxycodone	2.777	2141915	1668.25	31.4	1065.60	175463	496.9812 ng/ml
Oxymorphone	1.359	522515	∞	49.6	155.46	38598	491.9905 ng/ml
Phentermine	3.717	1718298	∞	5.8	295.23	456056	431.4155 ng/ml
Promethazine	5.503	7604152	1004.43	31.4	20228.90	730781	521.2920 ng/ml
Pseudoephedrine	2.532	8942736	144890.15	16.3	51420.66	734730	510.7403 ng/ml
Quetiapine	5.519	4401458	638.42	61.5	394.80	124441	474.1583 ng/ml
Sertraline	5.735	1320761	41974.13	86.2	92976.45	102194	520.7199 ng/ml
Temazepam	5.783	1728202	9224.34	27.8	140.41	153192	496.7059 ng/ml
Tramadol	4.191	8363412	780.91	3.6	∞	814783	513.6844 ng/ml
Trazodone	5.116	6922510	196580.92	69.2	333467.36	517705	426.7438 ng/ml
Venlafaxine	4.989	8957293	2122.51	29.9	1059.80	817130	525.6313 ng/ml
Xylazine	4.021	2859940	8472.65	49.1	7626.41	259229	509.5026 ng/ml
Zolpidem	4.879	6680247	147273.11	27.3	90089.12	624150	486.0871 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

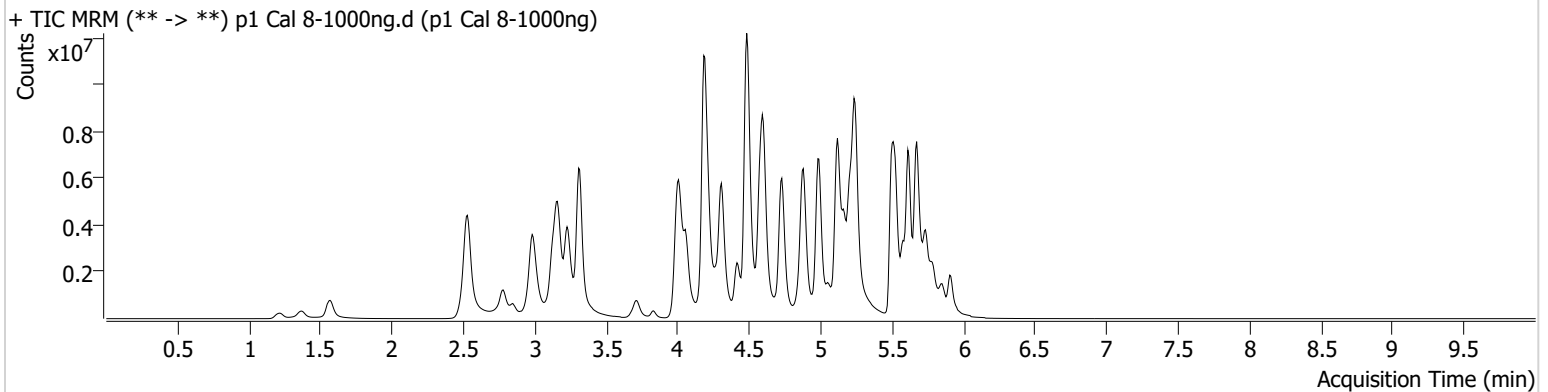


**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 5/29/2024 12:02:47 PM

<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>	5/28/2024 3:40:24 PM		
<b>Sample Info.</b>			

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.075	145901	312.46	68.0	305.70	38855	101.1049 ng/ml
7-aminoclonazepam	4.223	770023	6858.33	65.4	78.99	37989	995.9496 ng/ml
9-hydroxyrisperidone	4.596	397647	1444.80	3783.1	21742.73	548963	1015.2615 ng/ml
a-hydroxyalprazolam	5.644	331507	200.48	75.0	170.04	18817	819.9440 ng/ml
alpha-PHP	4.881	1936031	5129.28	266.9	6221.82	395726	815.6489 ng/ml
alpha-PVP	4.308	10412293	1333.82	48.5	1254.67	395726	1024.8061 ng/ml
Alprazolam	5.734	2412209	309.39	94.2	121.57	83711	1035.6712 ng/ml
Amphetamine	2.986	8522158	121137.31	45.0	29623.31	186760	595.0153 ng/ml
Benzoylcegonine	3.829	344810	14741.37	39.4	1859.27	13650	977.3814 ng/ml
Bromazolam	5.766	858308	189604.93	124.8	160584.98	43130	916.4844 ng/ml
Buprenorphine	5.826	266389	347464.87	15.1	1367.97	92781	103.0625 ng/ml
Bupropion	4.731	10370753	1581.17	67.7	∞	293003	962.1098 ng/ml
Carisoprodol	5.689	1354307	374.72	67.6	352.28	46152	1115.9519 ng/ml
Citalopram	5.166	6051880	∞	28.9	∞	226793	1083.7671 ng/ml
Clonazepam	5.563	1120546	25651.95	35.1	96530.60	25354	736.2079 ng/ml
Clonazolam	5.513	593511	453651.34	39.5	222340.95	25354	678.4681 ng/ml
Cocaine	4.209	5487035	6291.28	53.9	274406.94	453100	1013.3933 ng/ml
Codeine	2.528	382913	296.70	95.6	19768.36	24838	815.9315 ng/ml
Cyclobenzaprine	5.579	4911993	62337.95	8.3	3530.23	210021	1094.0078 ng/ml
Dextromethorphan	5.216	2966085	51850.08	80.7	∞	141994	1015.5030 ng/ml
Dextrorphan	4.062	2367261	1045.77	203.7	∞	259295	1036.2441 ng/ml
Diazepam	5.906	2295297	4233.41	89.9	∞	107531	952.4468 ng/ml
Dihydrocodeine	2.500	1251684	11757.89	72.7	∞	115447	711.8812 ng/ml
Diphenhydramine	5.244	17087100	1378.05	30.3	2265.99	795160	1027.4124 ng/ml
Doxylamine	4.484	19883617	135632.05	93.2	122321.54	848594	1026.6161 ng/ml
Duloxetine	5.606	393694	3270.34	11.8	1737.54	25277	888.8897 ng/ml
EDDP	5.209	6978729	779.00	39.6	867.14	320152	1063.0571 ng/ml
Etizolam	5.773	1816100	2263.57	27.5	15639.40	25354	1331.9073 ng/ml
Fentanyl	5.055	979163	20310.22	66.5	387216.43	503117	102.6955 ng/ml
Fluorofentanyl	5.110	1897629	51069.37	42.7	10799.30	3618	94.1386 ng/ml
Fluoxetine	5.673	4608609	268413.02	7.1	233946.62	169421	994.2778 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.961	2271338	1039.45	43.2	∞	134016	961.7532 ng/ml
Hydromorphone	1.569	1829977	3189172.40	81.7	4592306.37	60287	1015.3872 ng/ml
Hydroxyzine	5.670	6047531	154921.13	81.9	40931.87	141994	1137.0652 ng/ml
Ketamine	3.987	4180831	2202.55	32.4	31115.83	232982	761.3448 ng/ml
Lamotrigine	4.218	257730	10229.71	90.8	96940.25	564956	647.8158 ng/ml
Lorazepam	5.706	433408	46600.62	56.6	108.59	38254	979.2476 ng/ml
MDA	3.126	4385678	162.81	29.4	26709.49	166322	862.2484 ng/ml
MDMA	3.228	5972479	107329.79	91.8	111706.20	56243	1011.1335 ng/ml
Meprobamate	4.848	784937	28249.35	39.2	167.61	73859	552.8964 ng/ml
Methadone	5.611	10112509	538504.03	60.0	230461.64	368505	1043.6014 ng/ml
Methamphetamine	3.161	12031291	133179.17	34.9	51829.38	577180	830.0358 ng/ml
Metoprolol	4.272	1428467	3920.61	105.9	1477.62	690065	821.8320 ng/ml
Mirtazapine	4.580	9944615	246739.94	58.9	227.33	395726	915.1427 ng/ml
Mitragynine	5.184	2024033	10219.46	35.0	942553.41	368505	924.2674 ng/ml
Morphine	1.213	287313	882.38	40.1	156.80	3137	996.8903 ng/ml
Norbuprenorphine	4.938	38263	56589.08	97.2	94989.83	18973	112.2128 ng/ml
Nordiazepam	5.853	1605807	∞	53.8	3323.66	53025	1019.5252 ng/ml
Norfentanyl	4.028	681261	22020.39	37.4	6954.42	225444	128.9785 ng/ml
Norhydrocodone	3.002	534051	74.73	39.5	626.30	23988	1170.7000 ng/ml
Noroxycodone	2.846	1081281	∞	52.0	1364.19	39071	955.6851 ng/ml
O-desmethyl-tramadol	3.308	17186113	24755.82	5.7	622.70	901093	1050.7750 ng/ml
o-desmethylvenlafaxine	4.000	6491927	551185.67	27.9	38051.46	6831	992.8964 ng/ml
Olanzapine	4.414	3903373	31001.53	61.0	198.71	94168	953.0605 ng/ml
Oxazepam	5.708	637586	24312.01	69.3	4362.46	38254	925.7328 ng/ml
Oxycodone	2.777	3786392	6698.67	31.5	705.54	159873	964.1361 ng/ml
Oxymorphone	1.366	917120	622.45	49.2	∞	35277	944.4381 ng/ml
Phentermine	3.717	2699949	1518.67	5.6	4758.93	412891	748.9987 ng/ml
Promethazine	5.496	12018110	1586.71	30.6	41675.00	575892	1044.9293 ng/ml
Pseudoephedrine	2.532	14160942	106386.06	16.0	83621.56	564956	1051.4110 ng/ml
Quetiapine	5.519	6610054	390.95	60.1	12363.84	89844	986.1240 ng/ml
Sertraline	5.742	1620527	949.57	84.8	583.37	64640	1009.6909 ng/ml
Temazepam	5.790	1748588	19633.16	27.1	3374.05	77519	992.9128 ng/ml
Tramadol	4.184	12647024	∞	3.5	246.36	690065	917.0822 ng/ml
Trazodone	5.116	10981213	264254.04	73.8	149431.93	464147	755.4343 ng/ml
Venlafaxine	4.989	14920026	145464.76	29.4	38962.72	677493	1055.6143 ng/ml
Xylazine	4.021	4752729	162727.82	48.8	16534.62	212106	1034.3933 ng/ml
Zolpidem	4.879	10798177	116495.27	27.1	260.64	555927	882.2806 ng/ml

Panel 2 Analytical Plate Map

TS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1										
B	IS + Cal. 2	IS + QC_2										
C	IS + Cal. 3	IS + QC_3										
D	IS + Cal. 4	IS + QC_4										
E	IS + Cal. 5	Neg Blood										
F	IS + Cal. 6	External Control										
G	IS + Cal. 7	P2024-1368-2										
H	IS + Cal. 8											

All wells to contain 60 µl of Trapping Solution



SLE Plate Map

TS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	P2024-1224-3	P2024-1368-3	P2024-1501-1	IS + Cal. 1	IS + QC_1					
B	IS + Cal. 2	IS + QC_2	P2024-1316-1	P2024-1368-4	P2024-1502-1	IS + Cal. 2	IS + QC_2					
C	IS + Cal. 3	IS + QC_3	P2024-1319-2	P2024-1404-1	P2024-1525-1	IS + Cal. 3	IS + QC_3					
D	IS + Cal. 4	IS + QC_4	P2024-1330-1	P2024-1430-1	P2024-1527-1	IS + Cal. 4	IS + QC_4					
E	IS + Cal. 5	IS + QC_2	P2024-1332-1	P2024-1435-1	P2024-1531-1	IS + Cal. 5	Neg Blood					
F	IS + Cal. 6	Neg Blood	P2024-1348-3	P2024-1436-1	P2024-1532-1	IS + Cal. 6	External Control					
G	IS + Cal. 7	M2024-1913-1	P2024-1368-1	P2024-1452-1	P2024-1533-1	IS + Cal. 7	P2024-1368-2					
H	IS + Cal. 8	P2024-0584-2	P2024-1368-2	P2024-1494-1		IS + Cal. 8						

Panel 1

Panel 2



TS



# AM #28 Multi-Drug Quant. Results

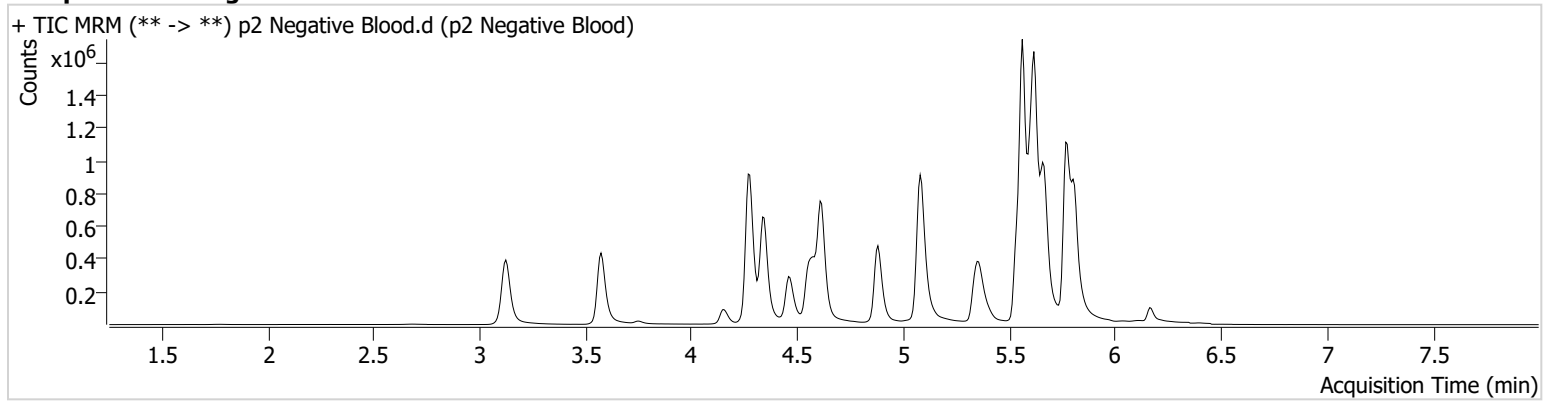
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** Sample  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-E7  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 9:26:46 AM  
**Sample Info.**

**Data File** p2 Negative Blood.d  
**Sample** p2 Negative Blood  
**Operator** Tamara Salazar

**Comment**  
Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



TS



# Idaho State Police Forensic Services

## AM #28 Blood/Urine Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 2

**Methanol External Control Solution (Lot: 052824)**  
*100 ul each 1 mg/mL stock solution in 9800 ul MeOH*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	222621	N/A
Amitriptyline	Cerilliant	FN02202004	03/31/2025
Flurazepam	Cerilliant	FE08231902	11/30/2024
Prepared:	05/28/2024		
Prepared By:	Tamara Salazar		
Expires:	11/30/2024		

**Blood External Control Solution (Lot: WS052824)**  
*100 ul of methanol external control solution was added to 9900ul of blood.*  
*Approximately 100ng/mL of each compound.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Lampire	23A52595
Methanol External Control Solution	-	052824
Prepared:	05/28/2024	
Prepared by:	Tamara Salazar	
Expires:	11/30/2024	

TS



# AM #28 Multi-Drug Quant. Results

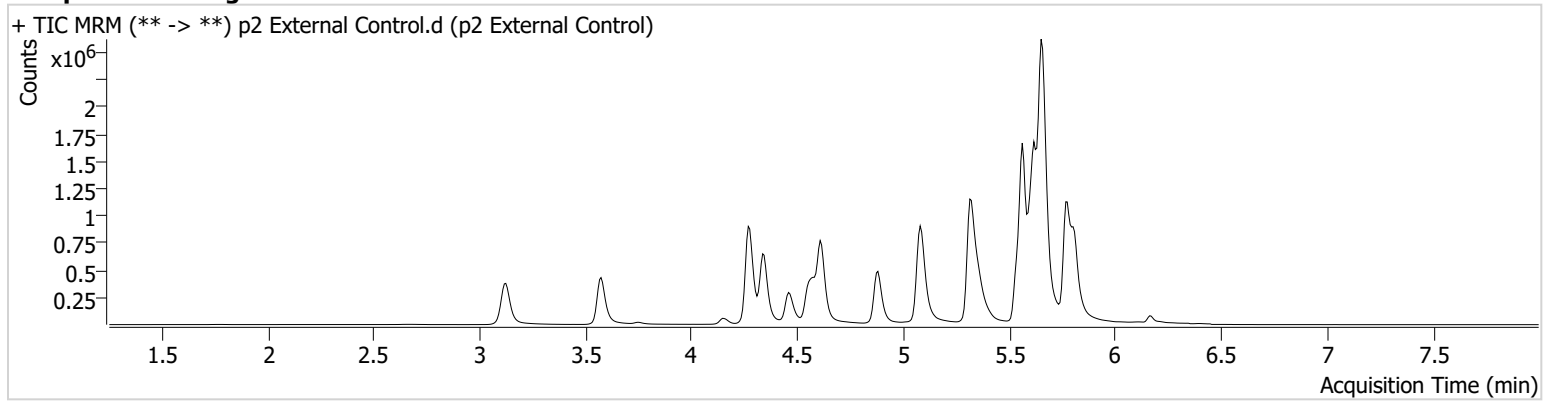
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** Sample  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-F7  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 9:48:15 AM  
**Sample Info.**

**Data File** p2 External Control.d  
**Sample** p2 External Control  
**Operator** Tamara Salazar

**Comment**  
Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	1011829	3285.17	110.0	4355.03	606876	80.6504 ng/ml
Flurazepam	5.312	2556271	23446.55	12.3	3895.26	690764	67.1866 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

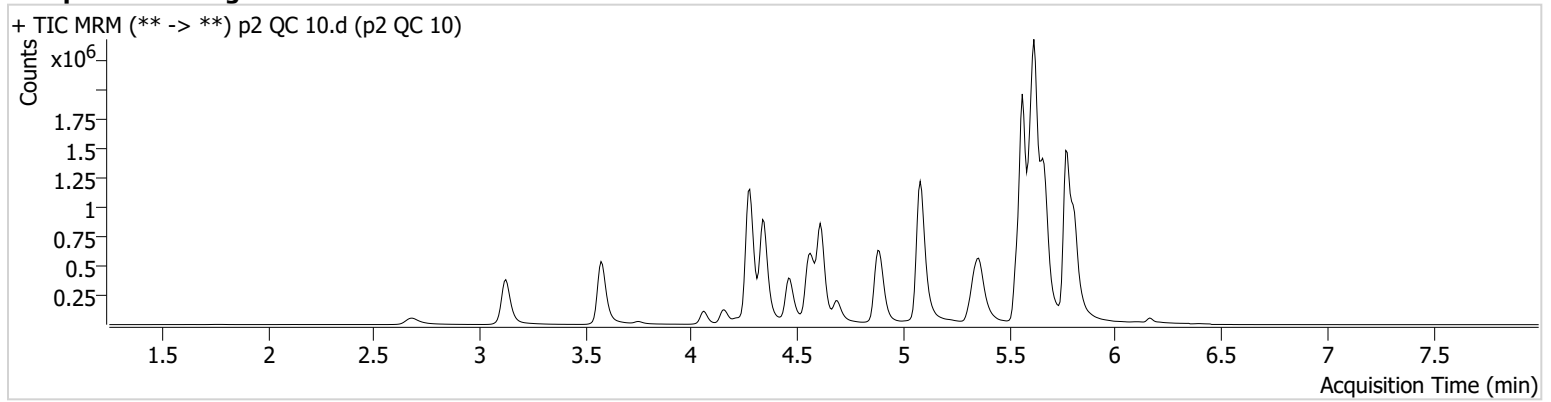
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-A7  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 8:22:15 AM  
**Sample Info.**

**Data File** p2 QC 10.d  
**Sample** p2 QC 10  
**Operator** Tamara Salazar

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	127537	471.11	132.8	697.72	699325	9.2141 ng/ml
Doxepin	5.343	218852	565.30	42.8	134.67	801191	10.1635 ng/ml
Flurazepam	5.312	325691	2542.97	11.7	399.58	696848	9.4219 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

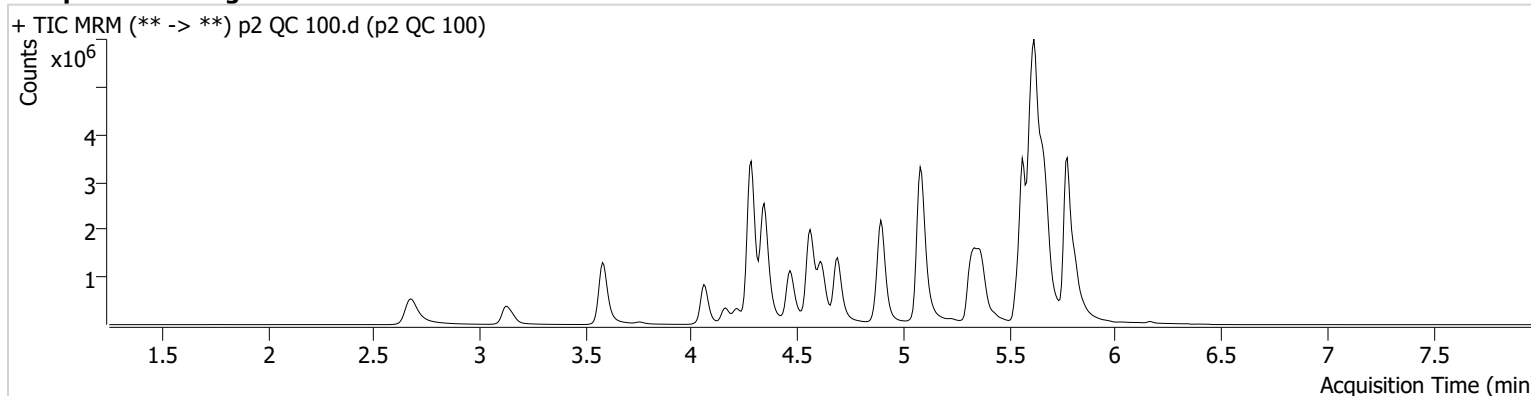
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-B7  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 10:31:16 AM  
**Sample Info.**

**Data File** p2 QC 100.d  
**Sample** p2 QC 100  
**Operator** Tamara Salazar

**Comment** Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	962326	3398.74	125.0	22517.91	528722	88.0026 ng/ml
Doxepin	5.343	1682344	2631.91	45.5	2208.85	641375	99.3564 ng/ml
Flurazepam	5.312	2634285	363.79	12.7	2716.29	521357	91.3430 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

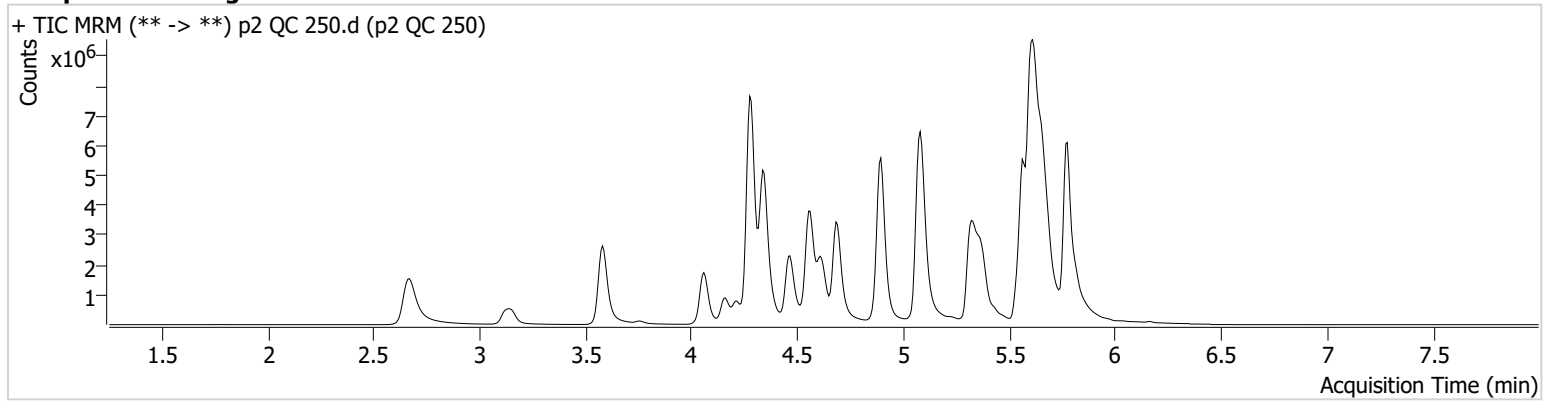
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-C7  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 8:43:45 AM  
**Sample Info.**

**Data File** p2 QC 250.d  
**Sample** p2 QC 250  
**Operator** Tamara Salazar

**Comment** Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	2151783	4566.33	119.2	50739.15	466447	222.3710 ng/ml
Doxepin	5.343	3924913	18116.50	47.4	299.63	607497	245.0249 ng/ml
Flurazepam	5.312	6666381	9085.21	12.9	497771.86	435305	274.6731 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

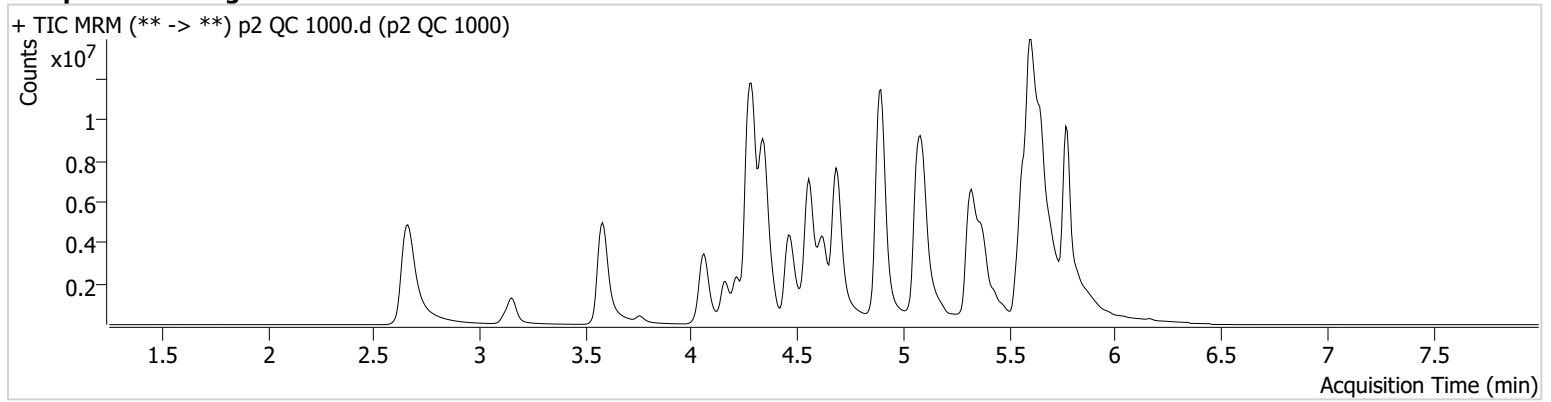
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-D7  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 9:05:15 AM  
**Sample Info.**

**Data File** p2 QC 1000.d  
**Sample** p2 QC 1000  
**Operator** Tamara Salazar

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



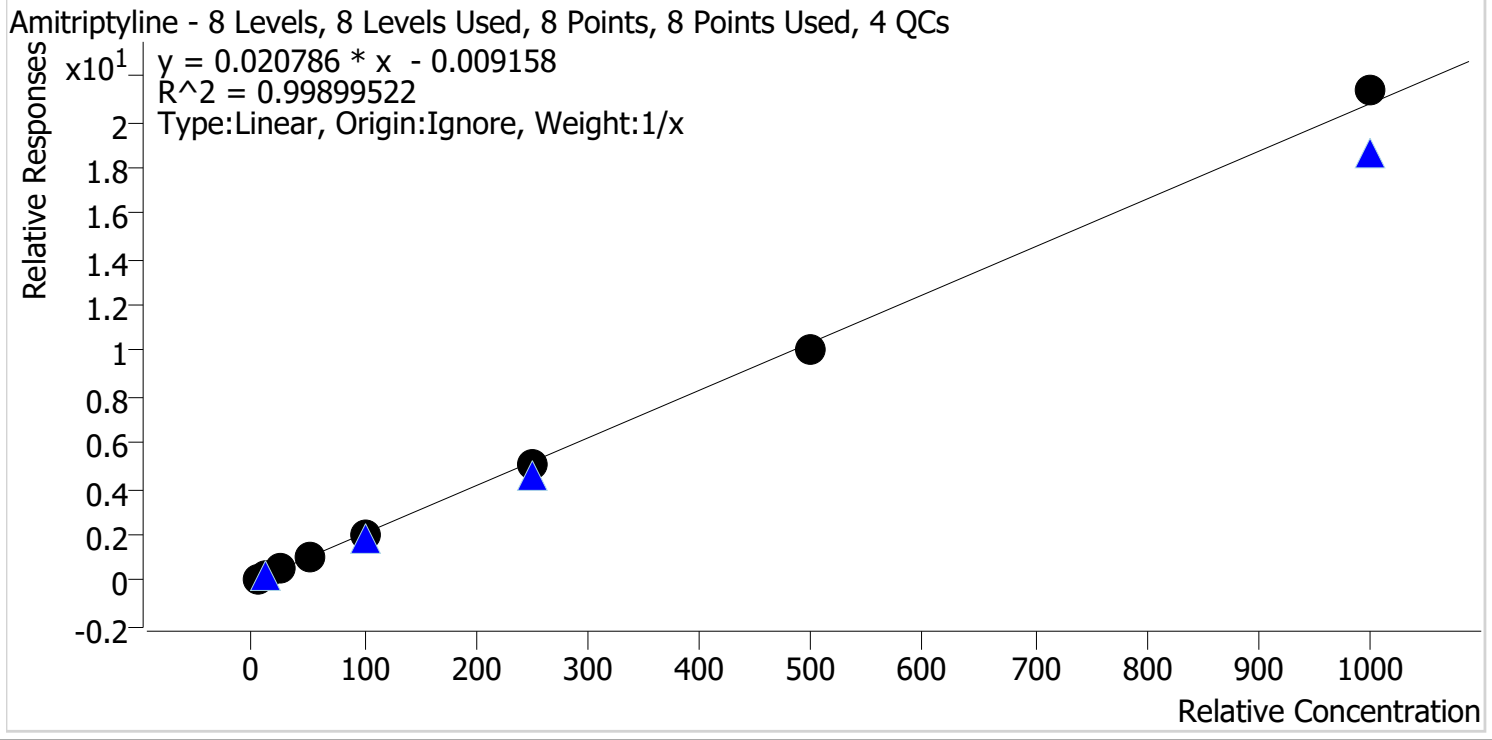
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	4355472	2316.25	114.4	99.50	234774	892.9377 ng/ml
Doxepin	5.343	5058586	109848.44	49.6	24600.44	168709	1137.8888 ng/ml
Flurazepam	5.305	15041577	317567.61	12.7	1559535.28	205867	1306.4240 ng/ml

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Last Cal. Update** 5/29/2024 10:42 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Amitriptyline **Internal Standard** Amitriptyline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	5.3	106.2
p2 Cal 2-10ng	2	✓	10.0	10.6	106.4
p2 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p2 Cal 4-50ng	4	✓	50.0	47.8	95.5
p2 Cal 5-100ng	5	✓	100.0	96.3	96.3
p2 Cal 6-250ng	6	✓	250.0	246.6	98.6
p2 Cal 7-500ng	7	✓	500.0	481.6	96.3
p2 Cal 8-1000ng	8	✓	1000.0	1027.3	102.7

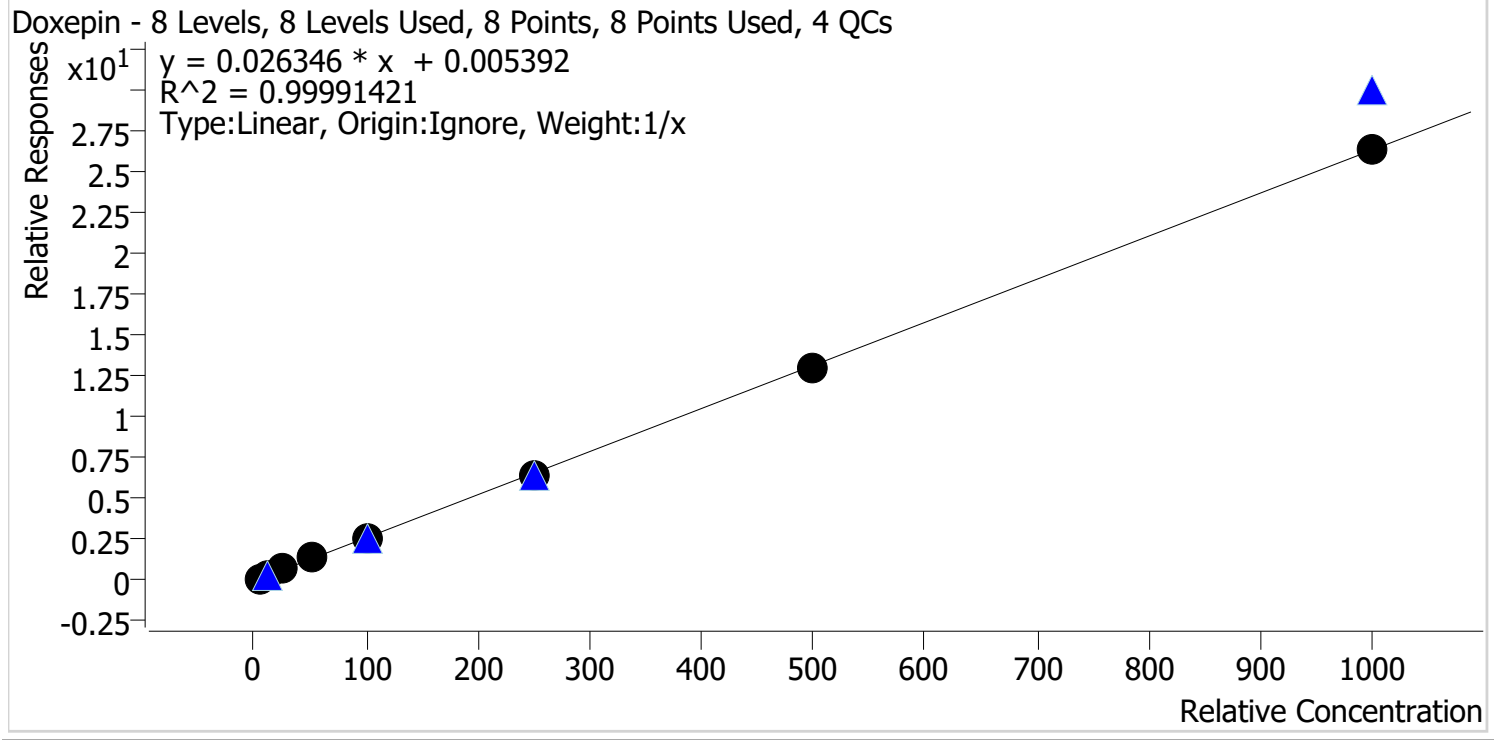


TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Last Cal. Update** 5/29/2024 10:42 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxepin **Internal Standard** Doxepin-D3



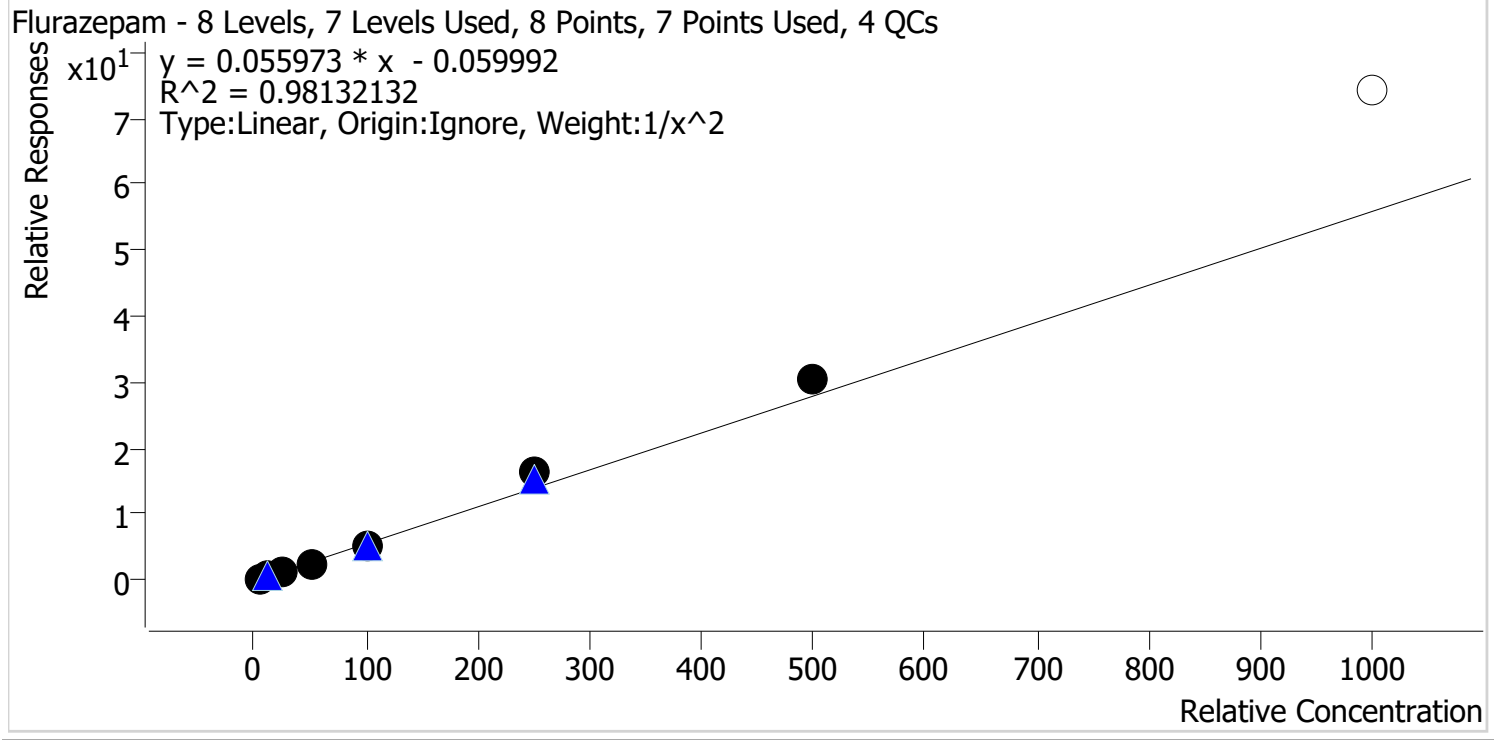
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	4.9	97.8
p2 Cal 2-10ng	2	✓	10.0	9.9	99.3
p2 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p2 Cal 4-50ng	4	✓	50.0	51.0	101.9
p2 Cal 5-100ng	5	✓	100.0	101.9	101.9
p2 Cal 6-250ng	6	✓	250.0	248.2	99.3
p2 Cal 7-500ng	7	✓	500.0	494.5	98.9
p2 Cal 8-1000ng	8	✓	1000.0	1004.5	100.4

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Last Cal. Update** 5/29/2024 10:42 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Flurazepam **Internal Standard** Midazolam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	5.3	106.1
p2 Cal 2-10ng	2	✓	10.0	9.4	94.4
p2 Cal 3 -25ng	3	✓	25.0	22.0	88.0
p2 Cal 4-50ng	4	✓	50.0	44.7	89.4
p2 Cal 5-100ng	5	✓	100.0	93.5	93.5
p2 Cal 6-250ng	6	✓	250.0	297.0	118.8
p2 Cal 7-500ng	7	✓	500.0	548.8	109.8
p2 Cal 8-1000ng	8	✗	1000.0	1327.3	132.7

TS



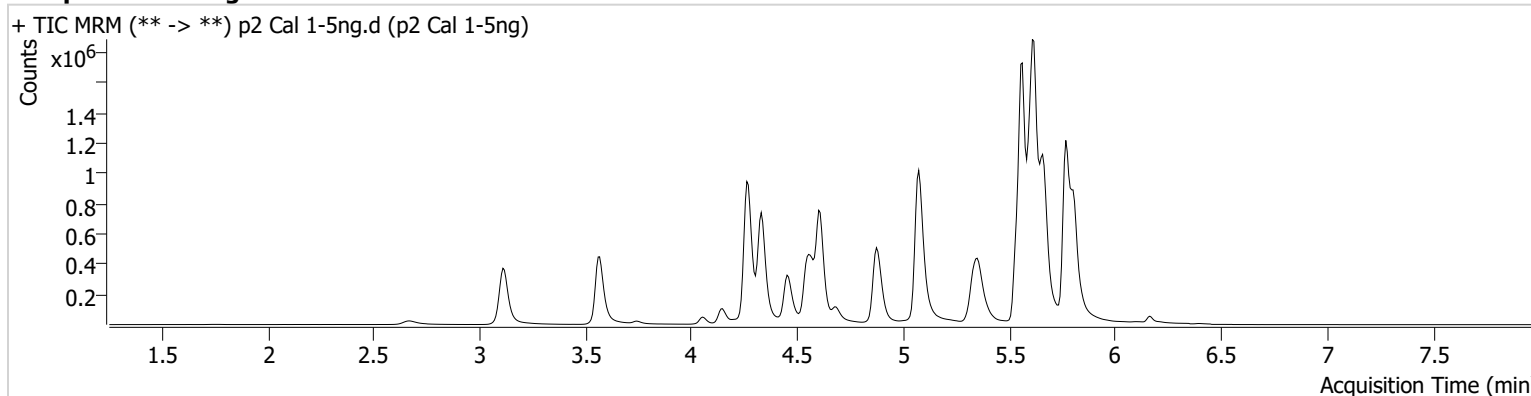
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901) **Data File** p2 Cal 1-5ng.d  
**Type** Cal **Sample** p2 Cal 1-5ng  
**Acq. Method** AM 28 P2-Updated Dec 2023.m **Operator** Tamara Salazar  
**Sample Position** P2-A6 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 3:34:08 AM  
**Sample Info.**

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	64628	488.37	135.3	37123.28	638609	5.3092 ng/ml
Doxepin	5.336	100614	338.60	40.9	74.49	749467	4.8909 ng/ml
Flurazepam	5.312	153427	115645.71	11.7	246.98	647551	5.3048 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

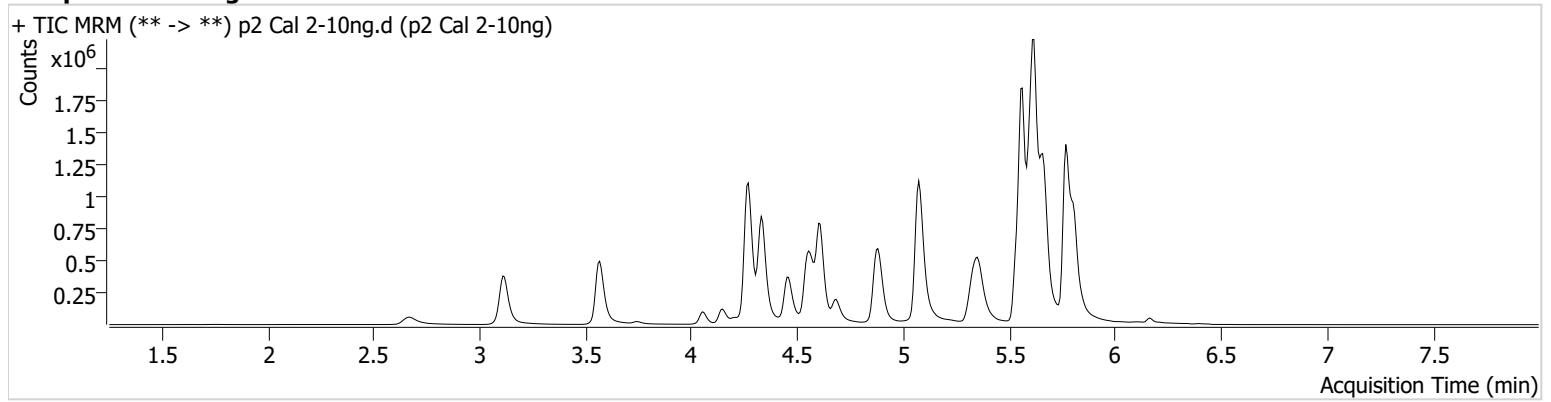
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-B6  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 3:44:54 AM  
**Sample Info.**

**Data File** p2 Cal 2-10ng.d  
**Sample** p2 Cal 2-10ng  
**Operator** Tamara Salazar

**Comment**  
Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	136270	1282.37	129.1	853.61	642579	10.6428 ng/ml
Doxepin	5.337	201392	183.49	42.5	317.55	754471	9.9272 ng/ml
Flurazepam	5.312	306161	221096.04	11.6	2209.74	653452	9.4424 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

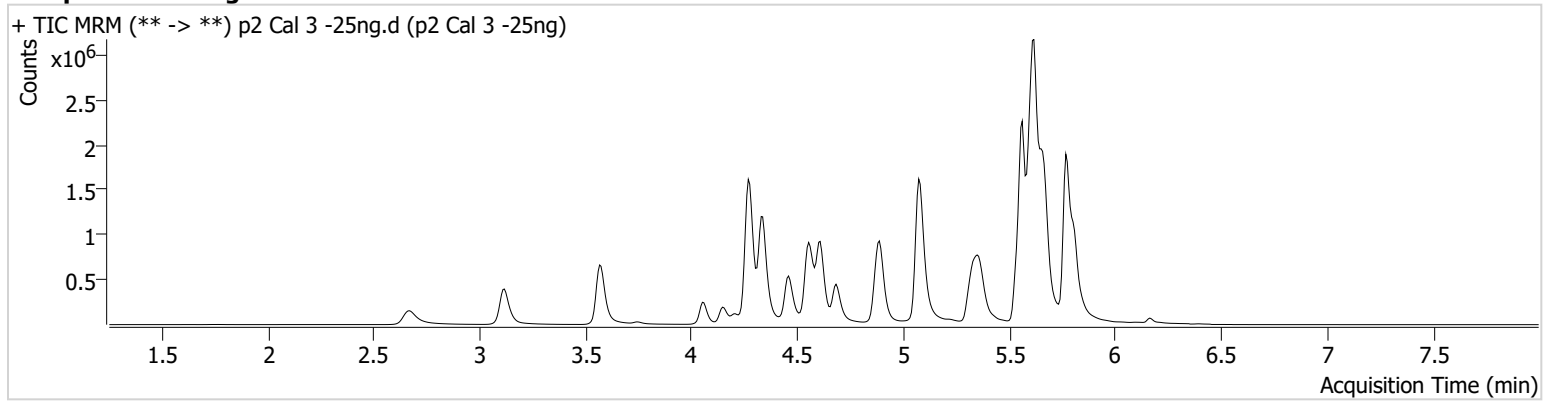
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-C6  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 3:55:40 AM  
**Sample Info.**

**Data File** p2 Cal 3 -25ng.d  
**Sample** p2 Cal 3 -25ng  
**Operator** Tamara Salazar  
**Comment**

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	323174	4042.42	132.0	2921.45	647070	24.4679 ng/ml
Doxepin	5.336	509870	3427.04	43.3	1012.53	764645	25.1050 ng/ml
Flurazepam	5.312	766989	420125.02	12.4	87165.27	654508	22.0079 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

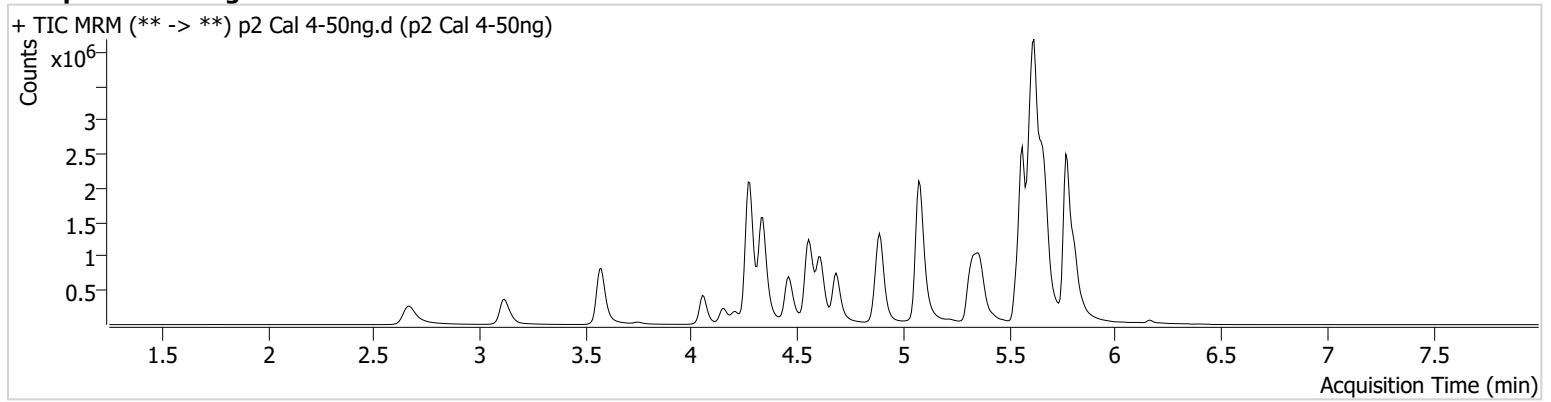
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**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-D6  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 4:06:25 AM  
**Sample Info.**

**Data File** p2 Cal 4-50ng.d  
**Sample** p2 Cal 4-50ng  
**Operator** Tamara Salazar

**Comment**  
Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	582449	1877.33	129.1	4226.89	592016	47.7716 ng/ml
Doxepin	5.337	921181	6817.68	43.8	1444.89	683264	50.9687 ng/ml
Flurazepam	5.312	1365911	1462349.75	12.6	1220.77	559599	44.6799 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

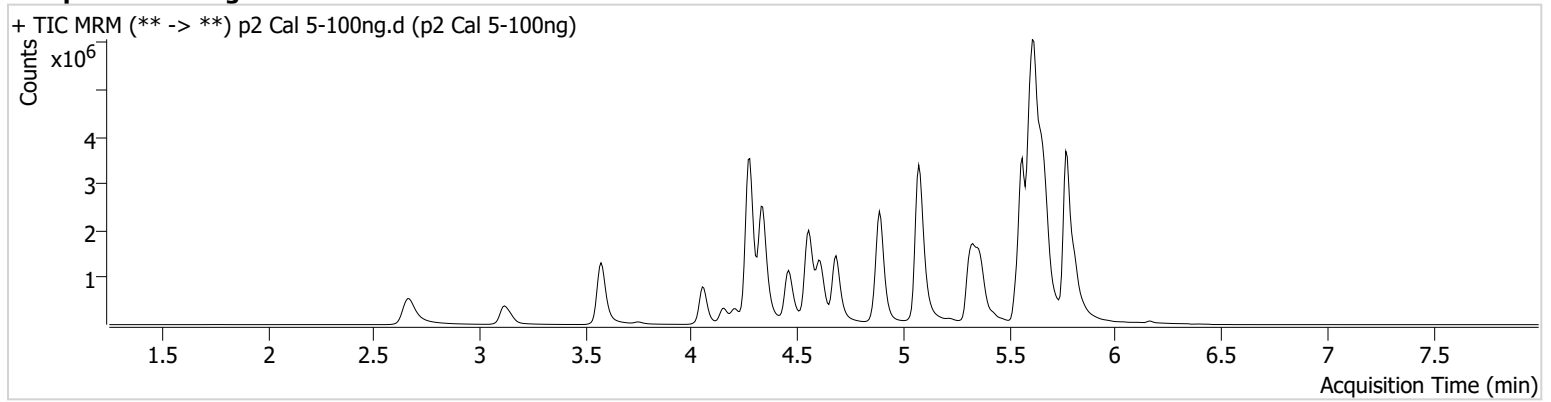
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-E6  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 4:17:10 AM  
**Sample Info.**

**Data File** p2 Cal 5-100ng.d  
**Sample** p2 Cal 5-100ng  
**Operator** Tamara Salazar

**Comment**  
Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	1095588	1731.90	124.6	433.25	549910	96.2872 ng/ml
Doxepin	5.337	1748666	7081.03	45.6	589.16	649932	101.9189 ng/ml
Flurazepam	5.305	2834784	3028134.96	12.6	220555.88	547874	93.5119 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

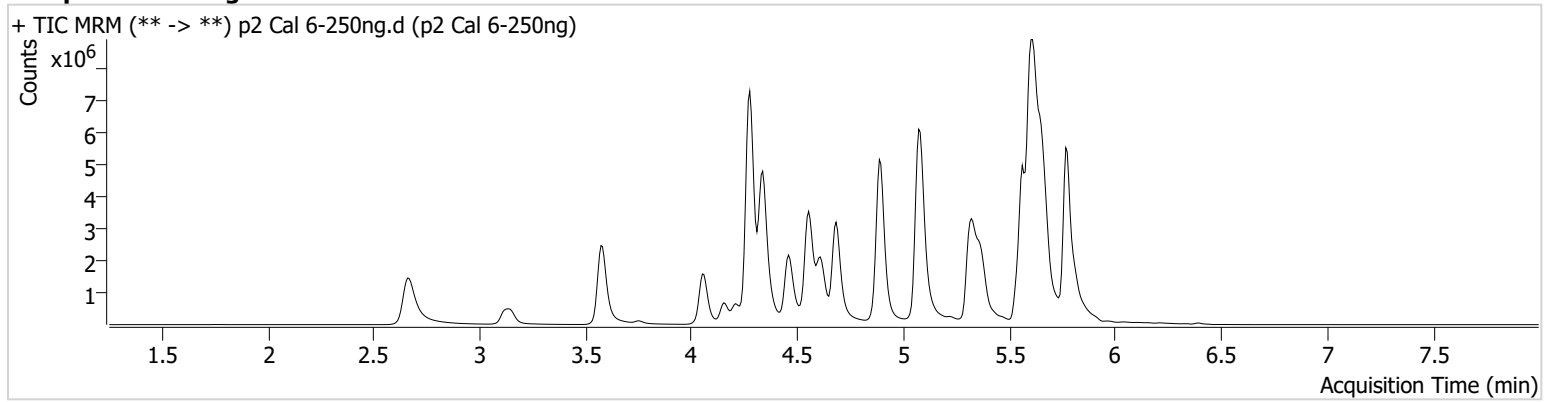
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-F6  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 7:17:29 AM  
**Sample Info.**

**Data File** p2 Cal 6-250ng.d  
**Sample** p2 Cal 6-250ng  
**Operator** Tamara Salazar

**Comment** Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	2059447	5507.53	119.3	368.70	402523	246.5796 ng/ml
Doxepin	5.336	3570971	17555.52	48.6	4665.01	545626	248.2106 ng/ml
Flurazepam	5.312	6225313	246.24	12.9	173888.08	375788	297.0364 ng/ml



TS



# AM #28 Multi-Drug Quant. Results

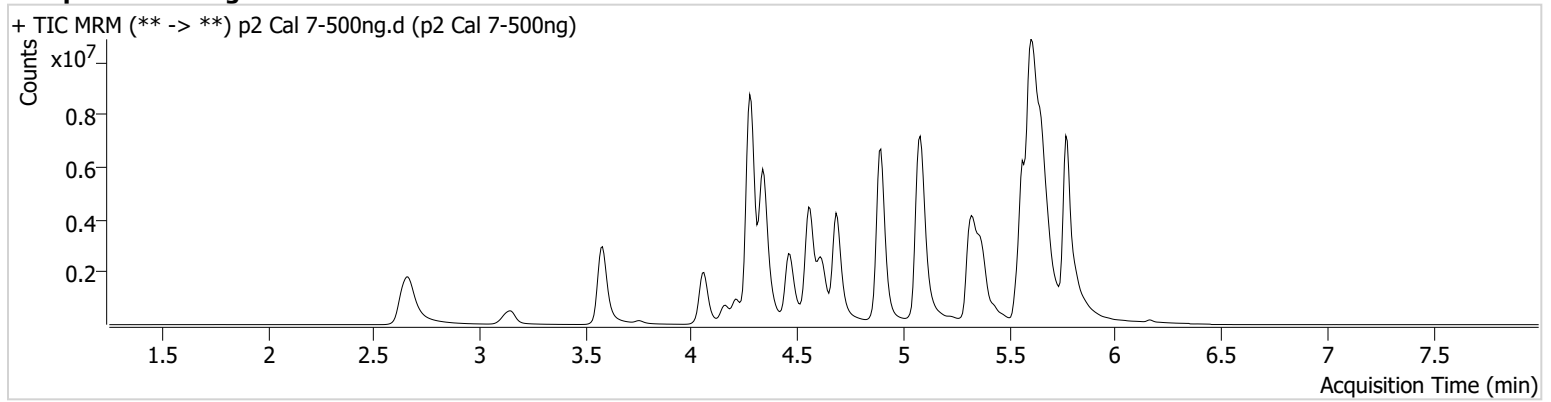
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-G6  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 7:28:22 AM  
**Sample Info.**

**Data File** p2 Cal 7-500ng.d  
**Sample** p2 Cal 7-500ng  
**Operator** Tamara Salazar

**Comment**  
Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	2852539	33107.33	119.9	258.01	285209	481.5995 ng/ml
Doxepin	5.336	4911376	52195.72	47.9	39288.91	376818	494.5138 ng/ml
Flurazepam	5.312	8224505	22170.65	12.9	224.87	268261	548.8099 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

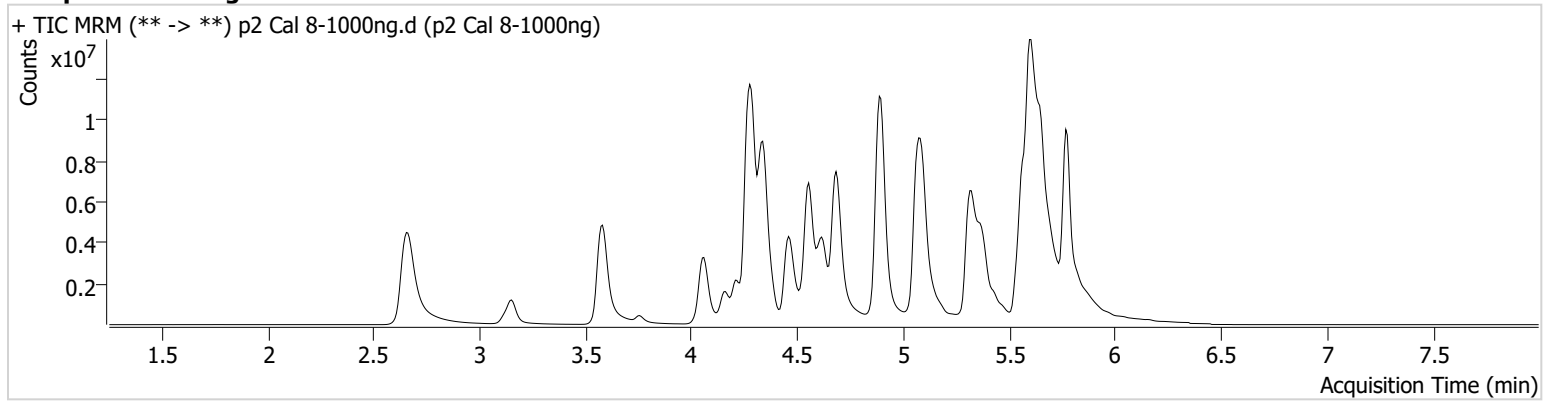
**Batch results** D:\MassHunter\Data\2024\AM 27 28\052824 AM 28 P1 P2 TS\QuantResults\AM 28 P2.batch.bin  
**Calibration Last Update** 5/29/2024 10:42:26 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 P2-Updated Dec 2023.m  
**Sample Position** P2-H6  
**Injection Volume** 5  
**Acq. Date-Time** 5/29/2024 7:39:07 AM  
**Sample Info.**

**Data File** p2 Cal 8-1000ng.d  
**Sample** p2 Cal 8-1000ng  
**Operator** Tamara Salazar  
**Comment**

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amitriptyline	5.652	4552907	2032.04	115.5	88.46	213295	1027.3422 ng/ml
Doxepin	5.336	4573681	30090.02	49.1	248.43	172794	1004.4649 ng/ml
Flurazepam	5.305	15102250	462619.47	12.9	2898.51	203441	1327.3203 ng/ml