


















**REVIEWED**  
By Sarah Collins at 9:38 am, Apr 19, 2024



4/18/2024

**Worklist: 6778**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-1156	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-1175	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-1275	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-1472	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0870	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1019	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1027	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1028	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1035	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1036	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1053	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1055	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1056	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1083	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1087	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1088	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1090	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1099	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1111	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1113	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1115	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	



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

Extraction Date: 04/17/2024

Plate lot#: 231215

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

**Blank Blood Lot:** Lampire 23A52595

**LCMS-QQQ ID:** 069901

Analyst: Celena Shrum

Plate Retest Date: 06/15/2024

**Mobile phase B:** 0.01% Formic Acid in MeOH  
Ethyl Acetate LC Methanol

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

### 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.

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Using a calibrated pipette, pipette **250µL blood** into the appropriate wells of the analytical (standards) plate.  
**Pipette ID: 16**
- 3. Pipette **250µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer **300L of blood+base** mixture to corresponding wells of SLE+ plate.
- 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right). Manifold ID: 067104*
- 7. Wait 5 minutes.
- 8. Add **900uL ethyl acetate**.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 11. Add **900uL ethyl acetate**.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 14. Remove plate containing eluate.
- 15. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
- 16. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 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:

Curve Limits:

Alpha-PHP 5-500 --calibrator 8 dropped due to accuracy

Amphetamine 5-250 --calibrators 7 and 8 dropped due to accuracy

Clonazepam 5-500 --calibrator 8 dropped due to accuracy

Clonazepam 5-250 --calibrators 7 and 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  
Lamotrigine 5-250 --calibrators 7 and 8 dropped due to accuracy  
Meprobamate- 5-250 --calibrators 7 and 8 dropped due to accuracy  
Methamphetamine 5-500 --calibrator 8 dropped due to accuracy  
Metoprolol 5-500 --calibrator 8 dropped due to accuracy  
Norfentanyl 0.5-50 --calibrator 8 dropped due to accuracy  
Phentermine 5-250 --calibrators 7 and 8 dropped due to accuracy  
Trazodone 5-500 --calibrator 8 dropped due to accuracy

9

	1	2	3	4	5	6	7	8	9	10	11	12
A									M2024-1472-2	P2024-1055-1	P2024-1113-1	IS + Cal. 8
B									P2024-0870-1	P2024-1056-1	P2024-1115-1	IS + Cal. 7
C									P2024-1019-1	P2024-1083-1	NEG Blood	IS + Cal. 6
D									P2024-1027-1	P2024-1087-1	IS + QC_2	IS + Cal. 5
E								P2024-1111-1*	P2024-1028-2	P2024-1088-1	IS + QC_4	IS + Cal. 4
F								M2024-1156-3	P2024-1035-1	P2024-1090-1	IS + QC_3	IS + Cal. 3
G								M2024-1175-1	P2024-1036-1	P2024-1099-1	IS + QC_2	IS + Cal. 2
H								M2024-1275-1	P2024-1053-1	P2024-1111-1*	IS + QC_1	IS + Cal. 1

\*Moved during SLE portion of the extraction process

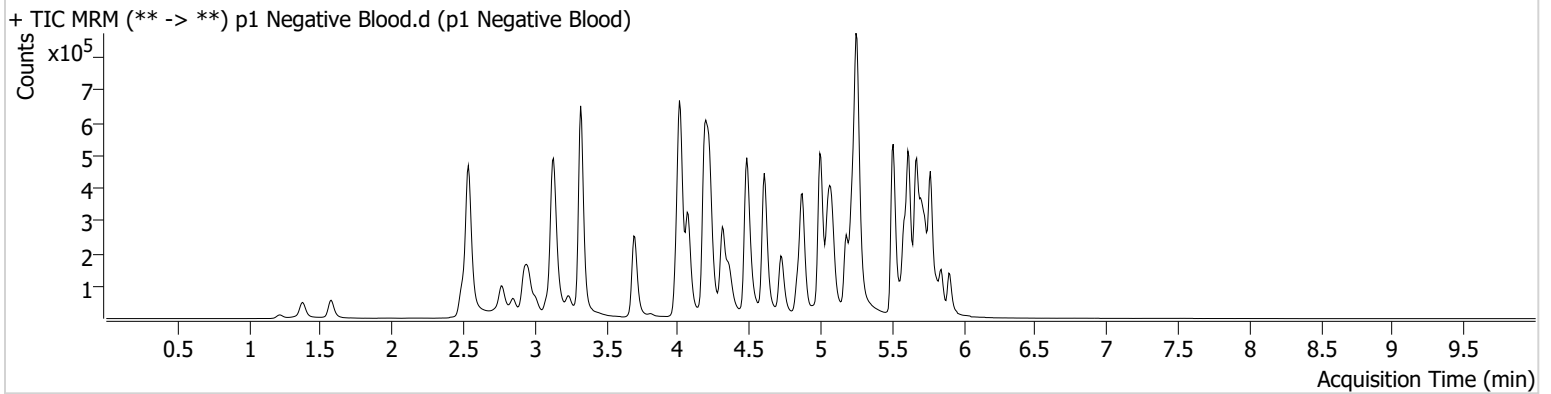
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/19/2024 9:02:44 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-C11	<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>	4/18/2024 4:01:01 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



# AM #28 Multi-Drug Quant. Results

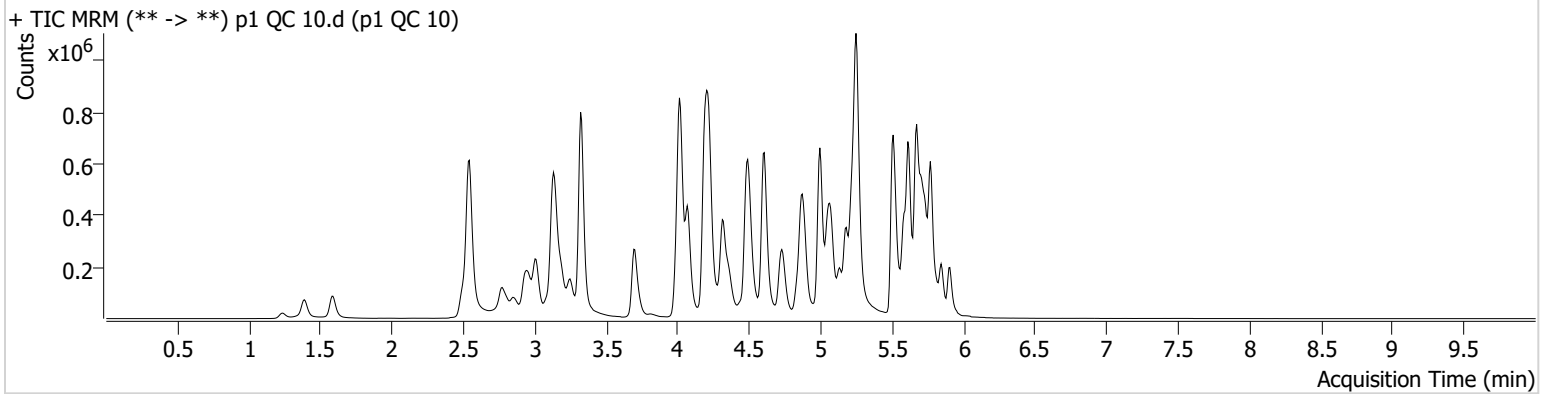


**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/19/2024 9:02:44 AM

**Instrument** Falco (069901) **Data File** p1 QC 10.d  
**Type** QC **Sample** p1 QC 10  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-H11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 2:57:13 AM  
**Sample Info.**

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.096	3019	691.62	76.5	125.35	95721	1.0072 ng/ml
7-aminoclonazepam	4.223	61568	2738.26	68.9	168.02	307242	10.1346 ng/ml
9-hydroxyrisperidone	4.610	7189	545.96	3854.1	2189.77	1201920	9.7493 ng/ml
a-hydroxyalprazolam	5.651	21508	632.59	66.1	1284.63	99089	9.7942 ng/ml
alpha-PHP	4.895	44043	871.55	268.9	2477.81	758667	9.4211 ng/ml
alpha-PVP	4.322	173629	353.30	47.6	268.55	758667	9.1942 ng/ml
Alprazolam	5.734	77402	430.68	106.0	401.31	326043	9.4456 ng/ml
Amphetamine	3.013	329032	187.63	47.2	2201.42	487850	9.9202 ng/ml
Benzoylcegonine	3.842	3693	118.55	44.3	52.63	16387	8.0588 ng/ml
Bromazolam	5.766	42581	822.28	116.2	2228.45	182780	9.9120 ng/ml
Buprenorphine	5.833	4306	2858.37	17.0	1607.23	147427	1.0470 ng/ml
Bupropion	4.744	171949	424.19	70.2	187.96	526939	9.1621 ng/ml
Carisoprodol	5.682	91092	578.11	66.6	95.47	416406	9.2565 ng/ml
Citalopram	5.179	133519	1005.73	28.6	767.00	633231	9.2147 ng/ml
Clonazepam	5.570	77173	318.17	37.6	8945.99	121092	10.4700 ng/ml
Clonazolam	5.513	51929	65662.48	38.8	18997.85	121092	9.8318 ng/ml
Cocaine	4.223	116016	116.86	56.5	4185.59	1046076	9.9379 ng/ml
Codeine	2.548	15180	862.17	100.2	125.68	82656	10.0646 ng/ml
Cyclobenzaprine	5.586	115446	167.29	8.4	51.94	597948	9.7159 ng/ml
Dextromethorphan	5.236	80709	1082.74	85.4	111.26	437712	9.2911 ng/ml
Dextrorphan	4.075	58269	356.49	201.5	997.14	698113	9.6853 ng/ml
Diazepam	5.906	59792	282.97	94.4	563.40	278237	10.0813 ng/ml
Dihydrocodeine	2.527	35344	1215.35	67.3	1822.88	228967	10.1292 ng/ml
Diphenhydramine	5.257	330083	4269.41	31.0	343.59	2023101	8.0632 ng/ml
Doxylamine	4.504	317303	6980.14	98.2	1282.73	1566403	9.5009 ng/ml
Duloxetine	5.612	16058	950.54	12.7	28.08	91046	10.2447 ng/ml
EDDP	5.222	116516	1943.50	40.7	8889.73	632564	9.1346 ng/ml
Etizolam	5.773	56517	863.83	26.1	292.40	121092	9.2333 ng/ml
Fentanyl	5.062	13955	147.34	74.2	283.26	783928	0.9579 ng/ml
Fluorofentanyl	5.123	36548	136.48	40.7	1463.77	6411	1.0045 ng/ml
Fluoxetine	5.673	166662	∞	7.5	327.39	648368	9.5331 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.988	54892	58.67	35.7	71.25	301829	10.2749 ng/ml
Hydromorphone	1.596	55416	2112.26	81.7	3561.77	201890	9.4690 ng/ml
Hydroxyzine	5.670	149938	2150.42	75.7	525.82	437712	9.6835 ng/ml
Ketamine	4.007	117781	246.40	32.4	72.61	497642	9.9855 ng/ml
Lamotrigine	4.232	11587	425.90	82.0	1465.60	1574816	9.3930 ng/ml
Lorazepam	5.706	62337	1656.50	56.3	101.23	480446	10.3237 ng/ml
MDA	3.153	203251	1742.83	35.5	60.60	705514	10.6477 ng/ml
MDMA	3.255	116189	1685.29	95.2	421.27	138104	9.2731 ng/ml
Meprobamate	4.861	58277	199.26	36.7	275.28	278211	10.0051 ng/ml
Methadone	5.618	203905	555.95	60.0	1861.93	896437	9.4386 ng/ml
Methamphetamine	3.189	265893	206.86	37.5	523.04	998743	9.9451 ng/ml
Metoprolol	4.279	34531	927.20	102.6	1005.38	1425380	9.4250 ng/ml
Mirtazapine	4.600	223747	1538.11	56.7	903.01	758667	10.0922 ng/ml
Mitragynine	5.198	41849	691.08	32.4	159.27	896437	9.2700 ng/ml
Morphine	1.240	9696	540.00	29.4	247.22	10321	10.2951 ng/ml
Norbuprenorphine	4.951	725	805.61	94.0	296.18	34596	1.0046 ng/ml
Nordiazepam	5.853	70538	308.36	51.8	644.92	243287	9.7955 ng/ml
Norfentanyl	4.035	26949	410.19	36.5	58.37	1237452	0.9847 ng/ml
Norhydrocodone	3.030	12612	71.19	39.5	46.76	87302	8.8192 ng/ml
Noroxycodone	2.873	52739	232.33	50.9	336.44	180321	10.4301 ng/ml
O-desmethyl-tramadol	3.328	286533	816.50	5.3	158.09	1827263	9.4132 ng/ml
o-desmethylvenlafaxine	4.020	244015	10086.91	22.8	547.01	27787	9.8261 ng/ml
Olanzapine	4.441	64911	2501.46	54.7	637.73	158151	10.2570 ng/ml
Oxazepam	5.715	89603	2461.83	70.0	144.84	480446	9.9437 ng/ml
Oxycodone	2.798	89006	482.83	32.0	618.94	392632	9.4698 ng/ml
Oxymorphone	1.392	49337	307.51	49.9	1045.92	182006	9.6501 ng/ml
Phentermine	3.731	72391	451.45	7.7	110.18	779667	9.9730 ng/ml
Promethazine	5.509	213972	699.98	31.5	1321.29	1127552	9.6965 ng/ml
Pseudoephedrine	2.552	333309	520.54	17.1	250.57	1574816	9.3648 ng/ml
Quetiapine	5.526	170263	12121.48	57.5	206.97	240474	9.7708 ng/ml
Sertraline	5.742	51293	359.87	93.0	314.87	218620	9.7677 ng/ml
Temazepam	5.776	161700	1798.81	24.8	77.63	678667	10.2862 ng/ml
Tramadol	4.204	262016	152.82	3.6	8.93	1425380	9.6125 ng/ml
Trazodone	5.136	225895	2366.21	61.7	971.54	711809	10.2931 ng/ml
Venlafaxine	4.996	261663	587.32	33.1	312.21	1414705	9.4282 ng/ml
Xylazine	4.042	104473	855.17	42.0	225.33	523000	9.4882 ng/ml
Zolpidem	4.893	225242	3513.38	27.6	1659.84	1014254	9.8170 ng/ml

# AM #28 Multi-Drug Quant. Results

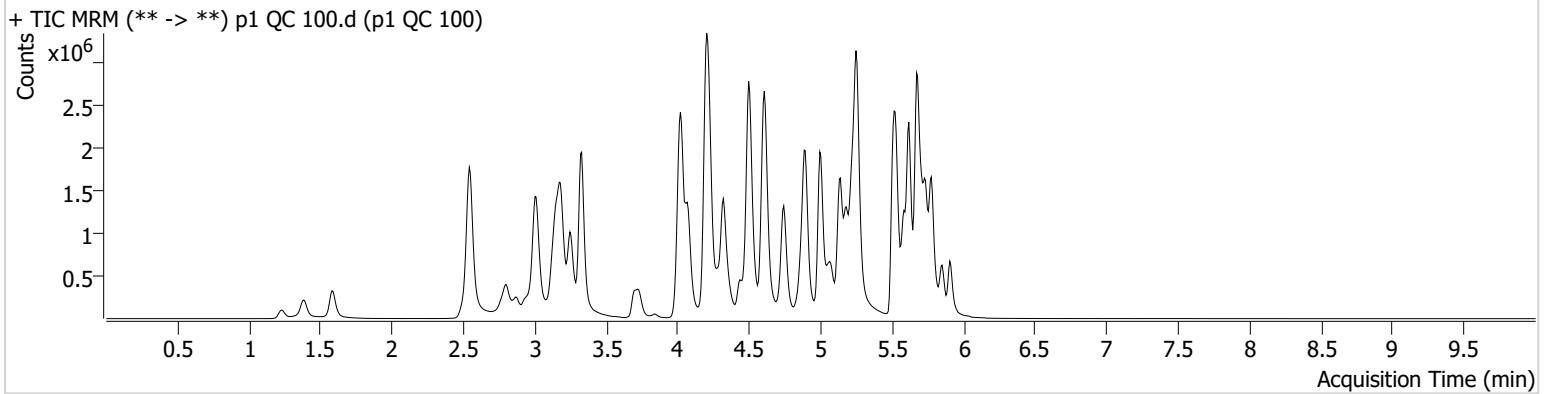


**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/19/2024 9:02:44 AM

**Instrument** Falco (069901) **Data File** p1 QC 100.d  
**Type** QC **Sample** p1 QC 100  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-G11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 11:48:43 AM  
**Sample Info.**

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.096	32093	242871.35	68.4	370.87	102812	9.7014 ng/ml
7-aminoclonazepam	4.223	551697	13019.42	67.9	51158.87	265819	104.2990 ng/ml
9-hydroxyrisperidone	4.610	83441	2502.56	3736.4	11725.87	1318028	98.1753 ng/ml
a-hydroxyalprazolam	5.651	172125	295.50	71.1	355.75	81181	95.3971 ng/ml
alpha-PHP	4.895	485624	8355.55	253.9	4671.50	810632	98.7696 ng/ml
alpha-PVP	4.322	1904246	30226.25	50.2	380.82	810632	90.3126 ng/ml
Alprazolam	5.734	755243	930.24	100.4	480.45	310560	92.3959 ng/ml
Amphetamine	3.013	3040415	768.03	45.1	263.34	509853	94.0307 ng/ml
Benzoylcegonine	3.842	42179	745.59	39.8	273.42	16796	91.3856 ng/ml
Bromazolam	5.773	353531	4596.99	127.6	381582.34	163809	93.4559 ng/ml
Buprenorphine	5.840	47318	25917.27	14.5	251.33	172493	10.2707 ng/ml
Bupropion	4.744	1920094	57805.49	70.3	15249.10	573159	92.1469 ng/ml
Carisoprodol	5.689	721747	517.29	67.5	436.41	306765	93.5165 ng/ml
Citalopram	5.179	1467568	328.37	30.1	513.29	657379	91.5568 ng/ml
Clonazepam	5.570	605968	10666.30	37.3	208127.41	100041	104.2825 ng/ml
Clonazolam	5.513	451481	672728.10	39.9	141090.80	100041	110.0564 ng/ml
Cocaine	4.223	1207090	624.11	57.2	744.86	1049143	99.7669 ng/ml
Codeine	2.548	138920	160.58	97.6	4188.25	79609	98.0144 ng/ml
Cyclobenzaprine	5.586	1280847	888085.14	7.9	187.97	625904	93.5366 ng/ml
Dextromethorphan	5.236	852112	819.14	83.2	1085.34	462752	89.1627 ng/ml
Dextrorphan	4.075	608036	7175.03	205.7	2544.60	720600	94.5442 ng/ml
Diazepam	5.906	591264	292.05	90.2	1798.93	269755	100.8422 ng/ml
Dihydrocodeine	2.521	351508	1104.19	71.6	∞	242085	98.8458 ng/ml
Diphenhydramine	5.257	3618325	256638.18	30.7	∞	2103888	80.7427 ng/ml
Doxylamine	4.497	3892712	502.10	93.5	271873.29	1690508	100.0648 ng/ml
Duloxetine	5.612	141407	2451.20	13.4	2048.29	86001	92.3727 ng/ml
EDDP	5.222	1262470	392.45	40.9	561.39	653132	93.3552 ng/ml
Etizolam	5.773	521319	1666.83	25.7	1469.08	100041	97.7474 ng/ml
Fentanyl	5.069	163365	55769.42	70.8	51071.53	881766	9.4128 ng/ml
Fluorofentanyl	5.123	390059	∞	41.6	49462.40	6703	10.2103 ng/ml
Fluoxetine	5.673	1523999	934.52	7.6	217454.16	581986	95.1157 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.982	526633	∞	40.3	∞	310648	100.6306 ng/ml
Hydromorphone	1.589	537886	1986863.86	80.5	1381688.47	193524	94.3027 ng/ml
Hydroxyzine	5.670	1645495	25316.08	76.6	48247.83	462752	93.2226 ng/ml
Ketamine	4.007	1170430	80700.73	32.5	849.00	531999	98.9643 ng/ml
Lamotrigine	4.239	111023	1273.65	86.8	3876.17	1515614	99.3811 ng/ml
Lorazepam	5.706	338054	9051.72	56.9	688.61	305924	93.9624 ng/ml
MDA	3.153	1745264	7754.26	34.9	2990.75	617618	111.9405 ng/ml
MDMA	3.248	1241602	1727.89	98.2	241.21	138636	94.7875 ng/ml
Meprobamate	4.861	490047	5506.00	34.6	4469.39	264062	97.4692 ng/ml
Methadone	5.618	2209263	1179.20	60.0	1627.55	938717	92.4527 ng/ml
Methamphetamine	3.189	2836473	10399.85	37.1	1455.06	1108571	99.0880 ng/ml
Metoprolol	4.279	376906	62550.97	104.1	8895.06	1444400	104.7585 ng/ml
Mirtazapine	4.600	2437543	761.53	55.0	885219.25	810632	101.2402 ng/ml
Mitragynine	5.198	489456	410.31	33.2	68663.17	938717	103.0022 ng/ml
Morphine	1.233	93787	2720.52	30.5	229.20	10490	97.6474 ng/ml
Norbuprenorphine	4.951	6665	1279.65	107.9	8632.68	38226	9.0038 ng/ml
Nordiazepam	5.853	603773	7232.70	53.0	954.17	206822	96.9571 ng/ml
Norfentanyl	4.035	246430	325.93	38.9	1066.69	1094441	9.4885 ng/ml
Norhydrocodone	3.023	122157	177.45	39.0	91.83	70095	90.8865 ng/ml
Noroxycodone	2.873	433652	463.08	52.7	1551.29	151683	101.5194 ng/ml
O-desmethyl-tramadol	3.328	3161452	206504.09	5.5	456.23	1926301	92.8900 ng/ml
o-desmethylvenlafaxine	4.020	2496636	108318.88	22.3	4850.67	26354	91.3336 ng/ml
Olanzapine	4.434	718889	871.23	57.7	41973.70	175152	103.2025 ng/ml
Oxazepam	5.715	560968	8945.06	70.0	16593.09	305924	98.4991 ng/ml
Oxycodone	2.798	974563	3170.71	31.9	1193.89	417115	96.9961 ng/ml
Oxymorphone	1.386	439515	∞	50.5	∞	167466	95.2571 ng/ml
Phentermine	3.731	724754	1503.55	7.4	159.92	841758	94.9730 ng/ml
Promethazine	5.509	2315072	116637.16	32.3	4164.11	1176855	95.6130 ng/ml
Pseudoephedrine	2.552	3461063	59238.56	17.2	20509.58	1515614	94.5244 ng/ml
Quetiapine	5.526	1794387	369.15	59.1	17322.11	256971	98.0520 ng/ml
Sertraline	5.742	454173	646.76	89.8	707.19	193595	94.3885 ng/ml
Temazepam	5.776	1225644	19844.90	25.0	411.56	505472	99.3236 ng/ml
Tramadol	4.197	2751527	1049.40	3.7	216.55	1444400	100.4762 ng/ml
Trazodone	5.136	2398994	427985.94	67.3	1214730.38	809395	98.4524 ng/ml
Venlafaxine	4.996	2891865	∞	31.7	1637.53	1525219	91.5028 ng/ml
Xylazine	4.035	1079018	6928.84	47.4	1705.68	510110	96.2911 ng/ml
Zolpidem	4.893	2530274	130.76	26.2	59294.48	1113785	101.2067 ng/ml

# AM #28 Multi-Drug Quant. Results

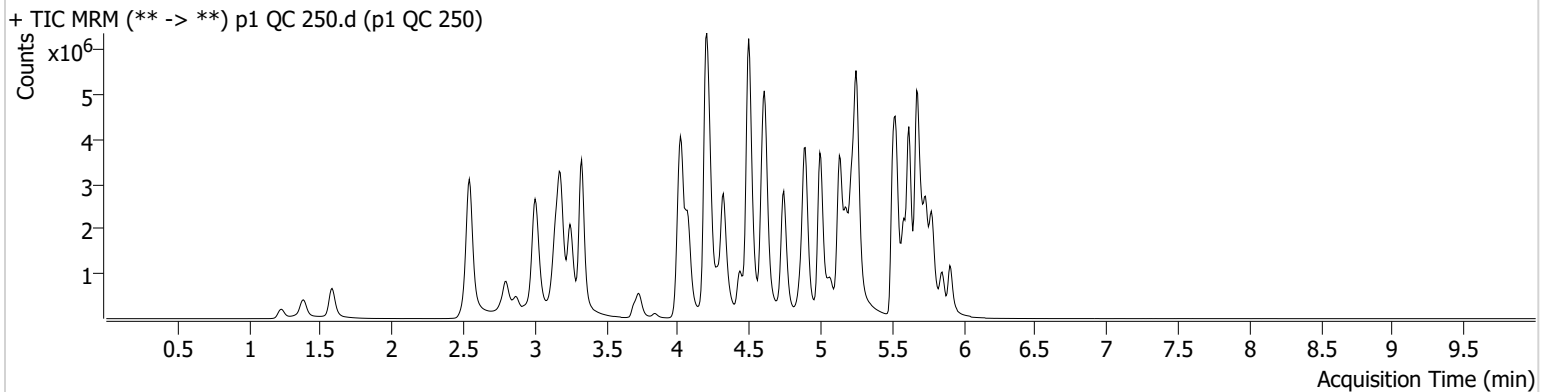


**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/19/2024 9:02:44 AM

**Instrument** Falco (069901) **Data File** p1 QC 250.d  
**Type** QC **Sample** p1 QC 250  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-F11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 3:18:30 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	3.096	75923	121293.09	68.3	126369.51	96132	24.4997 ng/ml
7-aminoclonazepam	4.223	981265	323.76	67.2	18847.86	187673	262.6459 ng/ml
9-hydroxyrisperidone	4.610	178972	154855.35	4005.5	237189.10	1133060	244.1690 ng/ml
a-hydroxyalprazolam	5.651	318173	430.95	71.1	495.16	61150	234.0596 ng/ml
alpha-PHP	4.888	1003946	6433.90	256.5	55340.20	728400	227.4581 ng/ml
alpha-PVP	4.322	4372171	1832.95	50.6	55399.87	728400	230.0868 ng/ml
Alprazolam	5.734	1481143	413.90	98.1	579.41	234234	239.4922 ng/ml
Amphetamine	3.006	6067541	181.04	44.9	94.63	455018	211.2605 ng/ml
Benzoylcegonine	3.842	102369	423.41	40.3	929.61	15236	244.7598 ng/ml
Bromazolam	5.766	636337	353819.15	123.2	3998.34	116811	236.1961 ng/ml
Buprenorphine	5.833	109812	9793.94	15.0	23350.81	168810	24.4267 ng/ml
Bupropion	4.744	4399974	797.46	70.8	1084.78	527645	229.0650 ng/ml
Carisoprodol	5.689	1127983	670.44	68.2	932.05	188632	236.7274 ng/ml
Citalopram	5.180	3109080	4724.49	29.7	566.16	560203	226.6810 ng/ml
Clonazepam	5.570	1115194	15741.02	37.4	1486.91	80306	239.8044 ng/ml
Clonazolam	5.513	709598	5987.00	41.7	221054.01	80306	216.1484 ng/ml
Cocaine	4.216	2559178	1095.04	58.1	950.53	897368	246.7671 ng/ml
Codeine	2.542	288769	597.45	91.6	2929.14	68349	237.7011 ng/ml
Cyclobenzaprine	5.586	2764622	3797.41	7.7	975.66	515495	243.5392 ng/ml
Dextromethorphan	5.230	1792693	496.25	80.8	37755.89	378598	228.6446 ng/ml
Dextrorphan	4.075	1295052	1135.74	209.9	2442.67	591457	244.7479 ng/ml
Diazepam	5.906	1232116	766.86	91.2	∞	226854	249.5637 ng/ml
Dihydrocodeine	2.514	767294	1277.59	72.2	1873.38	235015	222.7877 ng/ml
Diphenhydramine	5.257	7875422	1670.27	30.9	1280.01	1823523	202.0859 ng/ml
Doxylamine	4.497	9359867	430.86	91.9	239012.27	1568296	258.1325 ng/ml
Duloxetine	5.612	273534	3979.19	13.0	370.20	67240	227.9851 ng/ml
EDDP	5.222	2731029	25592.05	40.9	1218.89	579870	227.0861 ng/ml
Etizolam	5.773	1041357	35537.26	25.6	251637.42	80306	242.4554 ng/ml
Fentanyl	5.062	399175	5515.05	68.5	318076.35	820872	24.6098 ng/ml
Fluorofentanyl	5.123	898547	744.72	40.5	299.11	5956	26.4613 ng/ml
Fluoxetine	5.673	2915611	1806.18	7.5	439.63	456128	231.8656 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.982	1192938	∞	39.3	163.01	292466	242.9418 ng/ml
Hydromorphone	1.582	1271657	4898646.17	80.6	11442.88	182786	235.7854 ng/ml
Hydroxyzine	5.670	3434800	1028.91	79.7	486603.92	378598	236.6392 ng/ml
Ketamine	4.007	2331260	2520.34	32.6	724.30	464452	226.7333 ng/ml
Lamotrigine	4.239	199499	1652.61	91.3	67323.97	1271762	213.5690 ng/ml
Lorazepam	5.706	496841	11887.32	56.4	2754.26	185484	228.9129 ng/ml
MDA	3.153	3306200	483.33	34.7	406.04	517972	253.9254 ng/ml
MDMA	3.248	2787722	91805.76	97.4	206.70	121660	241.8860 ng/ml
Meprobamate	4.861	921273	478.68	34.5	285.58	241314	201.7006 ng/ml
Methadone	5.618	5001161	1634.30	59.2	1736.49	804771	243.2071 ng/ml
Methamphetamine	3.182	6500393	1406.70	36.1	60338.21	1037639	243.1946 ng/ml
Metoprolol	4.279	786537	167327.36	104.3	46270.56	1298309	243.6502 ng/ml
Mirtazapine	4.593	5412413	115613.05	53.9	337.72	728400	249.9106 ng/ml
Mitragynine	5.198	1070062	1760.80	33.3	5513.05	804771	262.5846 ng/ml
Morphine	1.227	217026	1367.20	31.3	496.89	9489	249.7470 ng/ml
Norbuprenorphine	4.951	16099	9770.78	99.3	11562.14	36619	22.8352 ng/ml
Nordiazepam	5.853	1151384	∞	53.1	1168.23	154589	247.0835 ng/ml
Norfentanyl	4.042	471053	38678.96	37.7	315.64	793091	24.9076 ng/ml
Norhydrocodone	3.023	246158	144.41	39.6	212.52	54790	232.0944 ng/ml
Noroxycodone	2.866	957662	1299.20	53.7	1093.32	135876	250.1995 ng/ml
O-desmethyl-tramadol	3.328	7361831	82812.13	5.6	25231.57	1747435	237.5147 ng/ml
o-desmethylvenlafaxine	4.020	4963699	406849.99	22.3	5673.53	20357	232.7253 ng/ml
Olanzapine	4.434	1763099	10922.03	58.1	3634.69	174519	254.1281 ng/ml
Oxazepam	5.715	833382	339.82	70.0	646.12	185484	241.4700 ng/ml
Oxycodone	2.798	2285862	∞	31.9	3495.05	395549	239.8146 ng/ml
Oxymorphone	1.379	1010766	∞	52.7	156.01	153303	239.6216 ng/ml
Phentermine	3.731	1496999	∞	7.2	2289.42	773956	213.7300 ng/ml
Promethazine	5.509	5338776	138177.13	32.1	16702.48	1051020	246.0631 ng/ml
Pseudoephedrine	2.545	7554775	137158.91	16.9	321.86	1271762	244.8227 ng/ml
Quetiapine	5.526	3714915	151115.18	61.4	57166.31	209143	249.7133 ng/ml
Sertraline	5.742	929004	832.46	89.9	18623.42	153927	242.2518 ng/ml
Temazepam	5.783	1938880	16714.22	25.4	5522.17	316273	250.2238 ng/ml
Tramadol	4.197	6441328	633.34	3.7	1539.51	1298309	261.8297 ng/ml
Trazodone	5.136	5224951	140039.06	70.3	539532.82	776050	223.9942 ng/ml
Venlafaxine	4.996	6772634	∞	30.4	2143.50	1348707	241.4250 ng/ml
Xylazine	4.035	2337577	219357.36	48.9	2276.23	435393	243.7317 ng/ml
Zolpidem	4.893	5514955	278.85	25.8	88398.25	1009035	243.6078 ng/ml

# AM #28 Multi-Drug Quant. Results

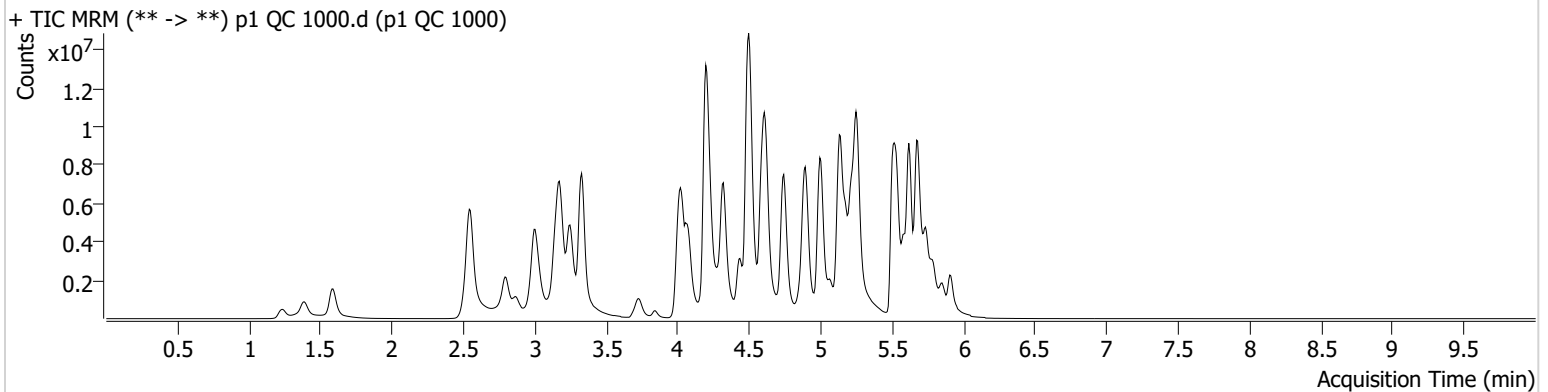


**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/19/2024 9:02:44 AM

**Instrument** Falco (069901) **Data File** p1 QC 1000.d  
**Type** QC **Sample** p1 QC 1000  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-E11 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 3:39:45 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	3.089	234962	159229.18	68.7	1576.47	74831	97.3143 ng/ml
7-aminoclonazepam	4.230	1181533	81.90	66.8	98.94	61817	959.9293 ng/ml
9-hydroxyrisperidone	4.610	458719	301176.09	4113.4	9475.10	703506	1006.3129 ng/ml
a-hydroxyalprazolam	5.651	445271	59.60	70.5	147.81	23454	853.9393 ng/ml
alpha-PHP	4.888	2212803	8663.70	256.6	5406.31	507786	719.5154 ng/ml
alpha-PVP	4.322	12910543	2356.40	50.0	1267.52	507786	973.1865 ng/ml
Alprazolam	5.734	3044753	145.32	97.0	40.26	122759	938.0047 ng/ml
Amphetamine	3.006	11281783	65838.80	44.8	92038.22	362292	494.4233 ng/ml
Benzoylcegonine	3.842	406226	17402.44	38.4	30459.58	14867	995.9000 ng/ml
Bromazolam	5.766	1055267	804.40	127.0	655919.87	52295	875.4548 ng/ml
Buprenorphine	5.833	352524	110518.66	15.5	57299.15	143133	92.6287 ng/ml
Bupropion	4.744	13057222	2207240.20	70.0	206034.88	414854	864.0085 ng/ml
Carisoprodol	5.689	1453595	13055.30	66.0	302.42	53953	1064.4070 ng/ml
Citalopram	5.173	7125049	4755.95	28.9	3496.80	300274	967.1166 ng/ml
Clonazepam	5.563	1479456	12528.10	37.1	8249.11	33311	768.1753 ng/ml
Clonazolam	5.513	772774	385394.24	42.0	533299.49	33311	568.5991 ng/ml
Cocaine	4.223	6406032	532.42	54.3	869.80	526723	1051.2001 ng/ml
Codeine	2.542	623414	749.82	90.9	110.76	41251	850.9911 ng/ml
Cyclobenzaprine	5.586	6557120	18304.90	6.9	7737.46	285415	1040.0314 ng/ml
Dextromethorphan	5.230	3798086	206831.97	79.2	47667.49	197841	925.7748 ng/ml
Dextrorphan	4.075	3181045	98150.19	213.7	732.61	353772	1003.9325 ng/ml
Diazepam	5.906	2928774	429.09	89.8	163.80	127876	1051.6893 ng/ml
Dihydrocodeine	2.514	2007145	23649.38	67.9	36032.45	186579	735.0501 ng/ml
Diphenhydramine	5.257	19467646	∞	32.0	1842.41	1106433	821.9376 ng/ml
Doxylamine	4.501	26727202	4193.55	94.2	449650.96	1209029	954.0615 ng/ml
Duloxetine	5.606	380817	3997.51	13.3	323.05	25216	845.3365 ng/ml
EDDP	5.222	8111386	553.72	38.9	1385.41	402143	971.6805 ng/ml
Etizolam	5.773	2288992	17165.79	26.3	138700.99	33311	1282.5246 ng/ml
Fentanyl	5.062	1482978	30249.06	65.3	572.19	714822	104.7991 ng/ml
Fluorofentanyl	5.116	2467986	43343.98	41.7	451.51	5027	86.0937 ng/ml
Fluoxetine	5.673	5262953	143801.65	7.2	220022.70	208085	916.8027 ng/ml

# AM #28 Multi-Drug Quant. Results



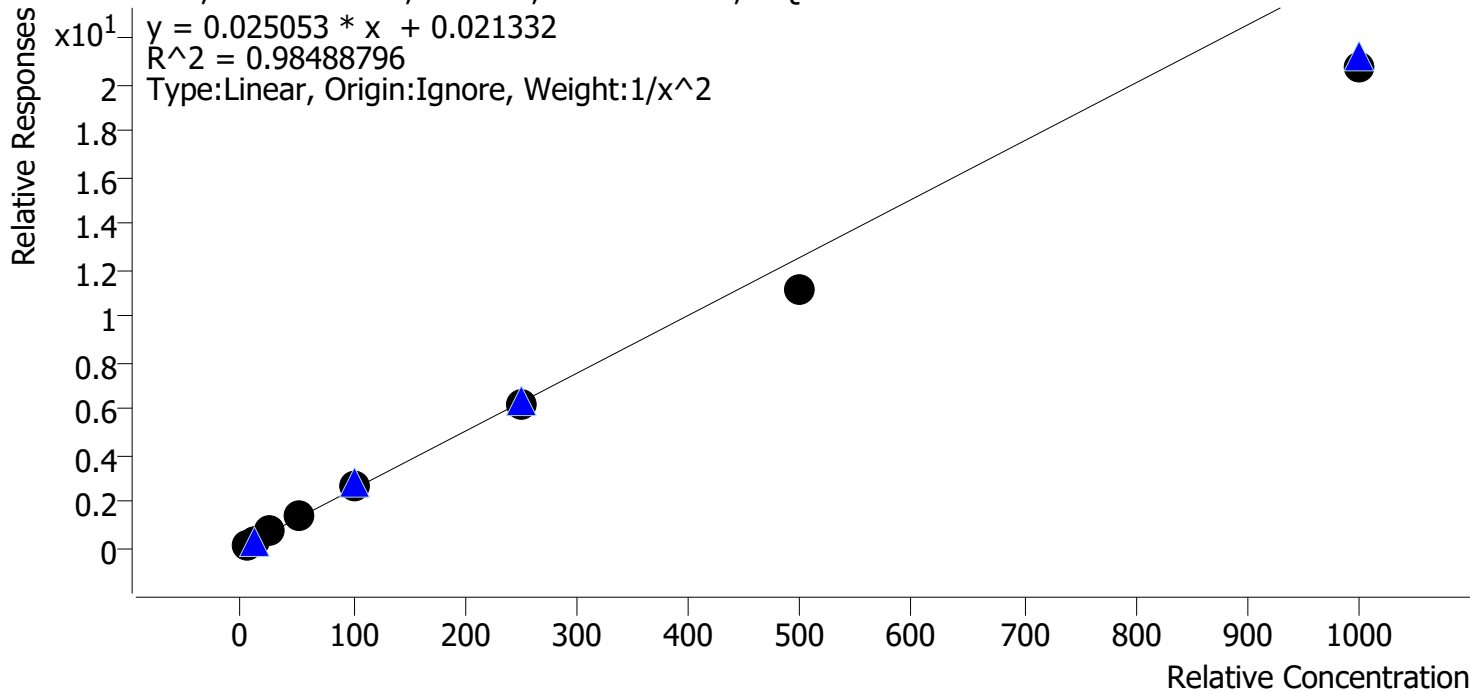
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.975	3495885	1117.34	41.7	∞	234976	887.6647 ng/ml
Hydromorphone	1.589	3609182	4055103.43	81.8	6162275.98	131793	927.6149 ng/ml
Hydroxyzine	5.670	7896180	126561.57	83.9	351685.18	197841	1038.3896 ng/ml
Ketamine	4.001	4689311	164782.77	31.6	4125.50	321092	661.1113 ng/ml
Lamotrigine	4.239	325532	51.69	90.2	51643.59	710996	624.6027 ng/ml
Lorazepam	5.706	557992	16009.61	56.6	211.67	49279	970.2545 ng/ml
MDA	3.140	5823352	26913.57	32.6	36082.66	274623	845.5427 ng/ml
MDMA	3.248	7047899	4094.40	97.5	128028.57	78590	945.4937 ng/ml
Meprobamate	4.854	1517489	430.97	34.4	117.20	157669	510.1957 ng/ml
Methadone	5.618	13426158	2783.94	59.0	749.89	521921	1005.0085 ng/ml
Methamphetamine	3.175	17144194	132309.36	35.0	75462.25	898588	741.4904 ng/ml
Metoprolol	4.279	1697559	2194207.35	107.7	36412.87	940630	726.4814 ng/ml
Mirtazapine	4.587	13695977	691109.53	53.9	1251644.02	507786	906.6695 ng/ml
Mitragynine	5.198	2437576	166830.79	32.3	557464.17	521921	922.1970 ng/ml
Morphine	1.233	580929	1103.14	30.9	∞	7016	904.0199 ng/ml
Norbuprenorphine	4.951	52634	56506.96	99.3	17502.94	27768	98.7453 ng/ml
Nordiazepam	5.853	1782307	∞	54.4	22746.38	62242	949.4194 ng/ml
Norfentanyl	4.042	752673	215.08	38.6	9920.88	243836	129.1360 ng/ml
Norhydrocodone	3.023	735264	174.71	41.4	278.75	35305	1070.7637 ng/ml
Noroxycodone	2.866	2161848	656.35	53.0	11115.42	76118	1008.0655 ng/ml
O-desmethyl-tramadol	3.328	21123071	1035.26	5.7	37194.18	1223069	971.8264 ng/ml
o-desmethylvenlafaxine	4.013	9322422	72328.48	22.1	5918.68	8625	1026.4535 ng/ml
Olanzapine	4.434	5227603	1148.65	63.5	14330.75	157176	836.7947 ng/ml
Oxazepam	5.708	815465	190.89	70.4	8586.81	49279	889.5623 ng/ml
Oxycodone	2.791	7031798	3273.20	31.8	2678.40	318725	915.3542 ng/ml
Oxymorphone	1.386	2764296	∞	49.7	765.73	111689	900.0759 ng/ml
Phentermine	3.731	3773394	210.60	6.7	1822.70	614267	679.4449 ng/ml
Promethazine	5.503	14969764	2885.00	31.2	2575.70	698199	1036.9215 ng/ml
Pseudoephedrine	2.552	18177725	241.39	16.5	87934.35	710996	1051.4793 ng/ml
Quetiapine	5.533	8324308	97502.93	62.4	37186.65	121155	966.4723 ng/ml
Sertraline	5.742	1629974	846773.85	85.6	39736.18	64912	1006.7509 ng/ml
Temazepam	5.790	2182224	8684.46	25.0	4053.43	87304	1018.4470 ng/ml
Tramadol	4.197	15789521	1811.21	3.6	∞	940630	886.0926 ng/ml
Trazodone	5.136	14164409	641292.60	74.8	2260232.47	682115	691.4321 ng/ml
Venlafaxine	4.996	18899754	768420.63	30.6	331981.04	896128	1012.1971 ng/ml
Xylazine	4.035	6425162	322297.80	49.9	19789.49	300533	969.2552 ng/ml
Zolpidem	4.893	14790010	428803.22	24.8	50404.25	758691	869.0955 ng/ml



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



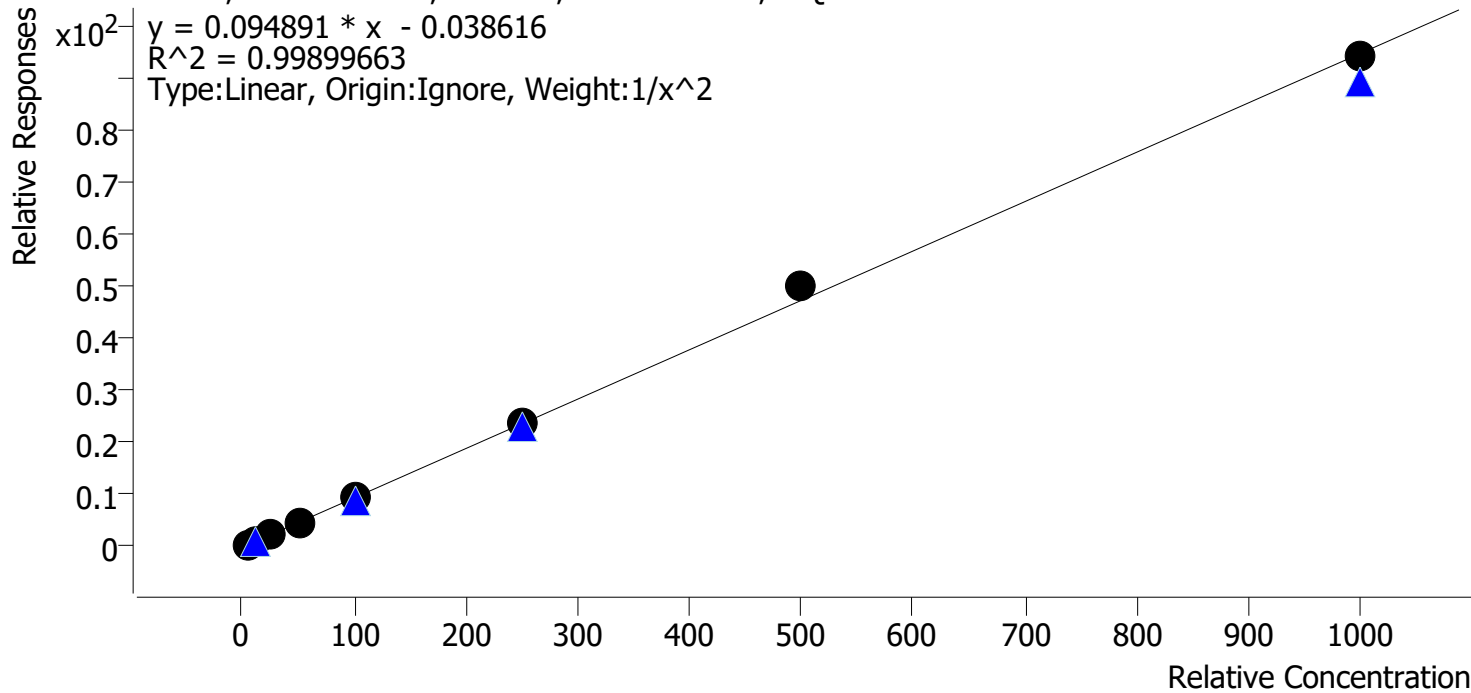
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p1 Cal 2-10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	27.7	111.0
p1 Cal 4-50ng	4	✓	50.0	56.4	112.8
p1 Cal 5-100ng	5	✓	100.0	106.9	106.9
p1 Cal 6-250ng	6	✓	250.0	247.6	99.1
p1 Cal 7-500ng	7	✓	500.0	445.6	89.1
p1 Cal 8-1000ng	8	✓	1000.0	825.4	82.5



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte MDMA Internal Standard MDMA-D6

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

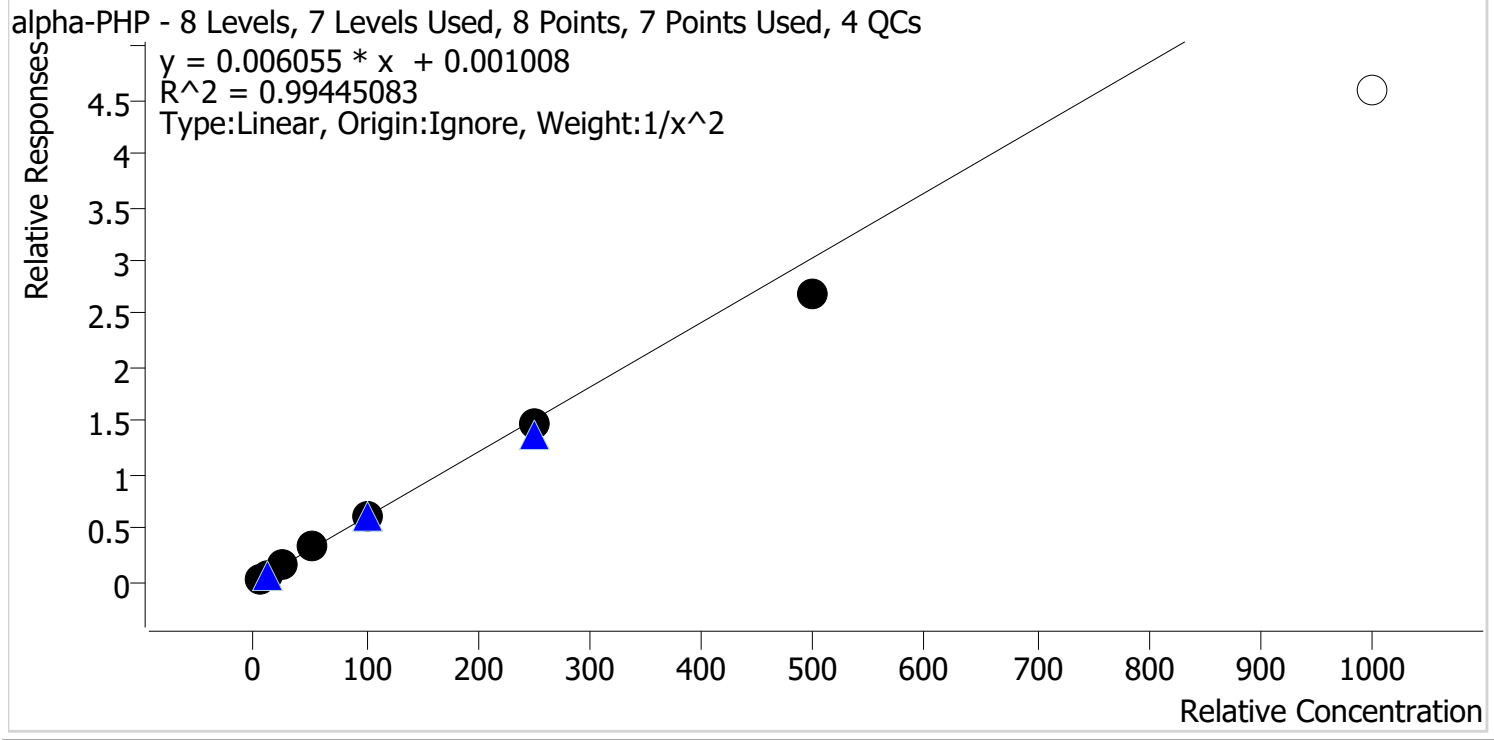


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	528.4	105.7
p1 Cal 8-1000ng	8	✓	1000.0	993.8	99.4



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-D8



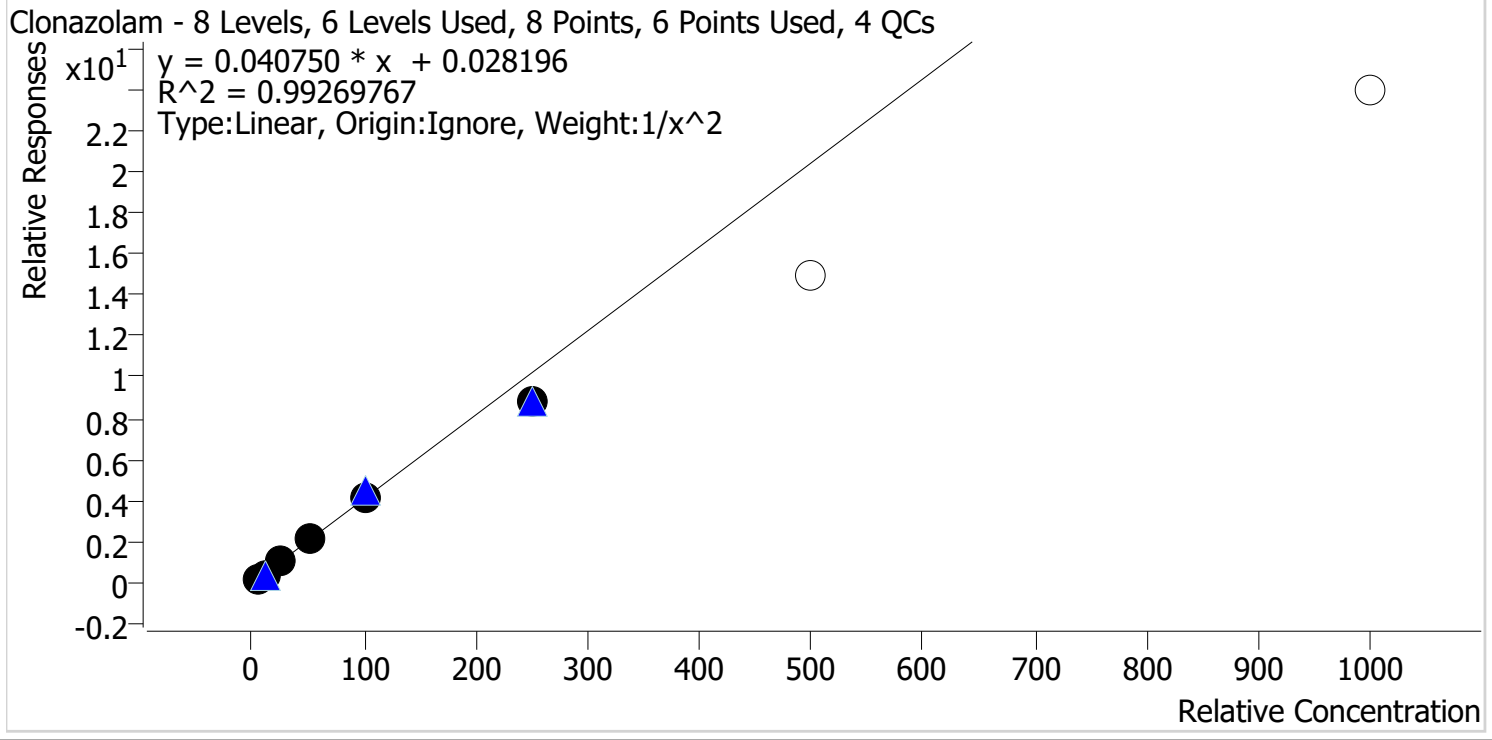
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
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p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.5
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	442.1	88.4
p1 Cal 8-1000ng	8	✗	1000.0	757.2	75.7





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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Clonazolam Internal Standard Clonazepam-D4



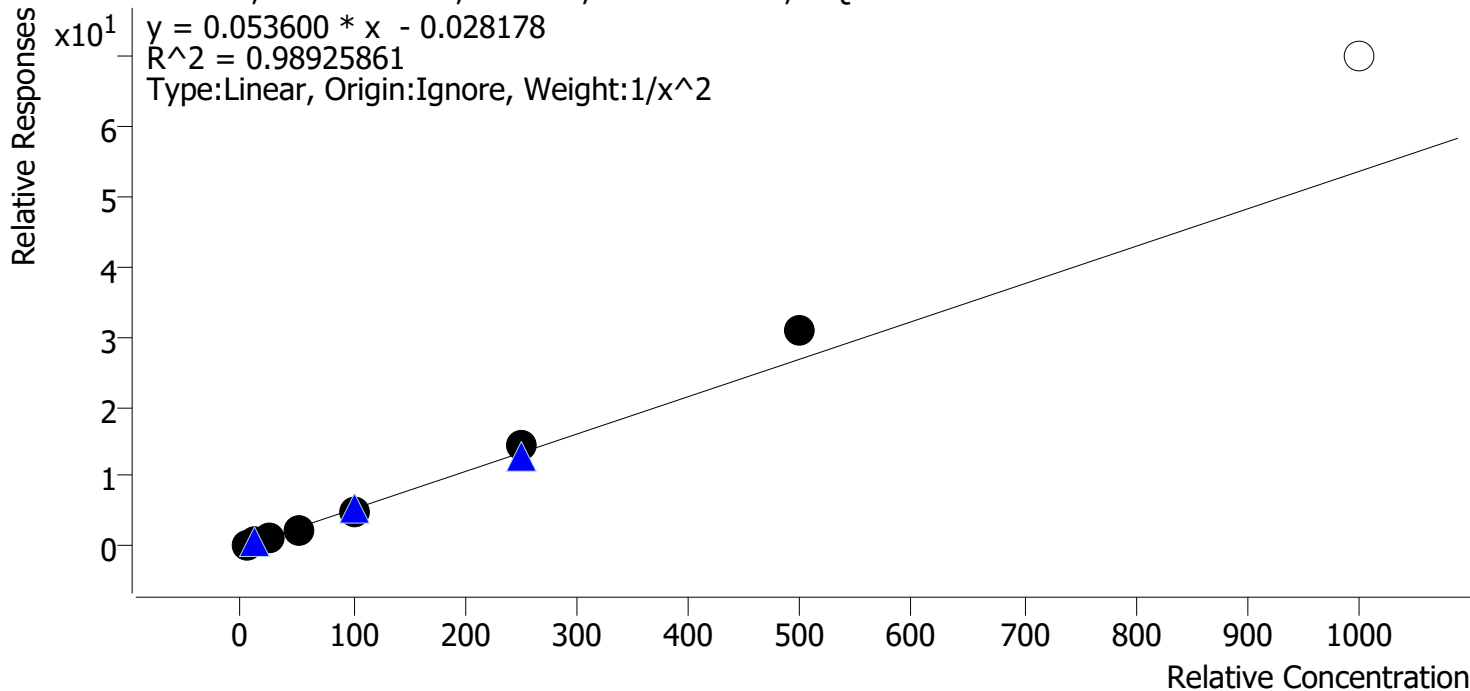
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	217.9	87.1
p1 Cal 7-500ng	7	x	500.0	367.5	73.5
p1 Cal 8-1000ng	8	x	1000.0	585.9	58.6



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



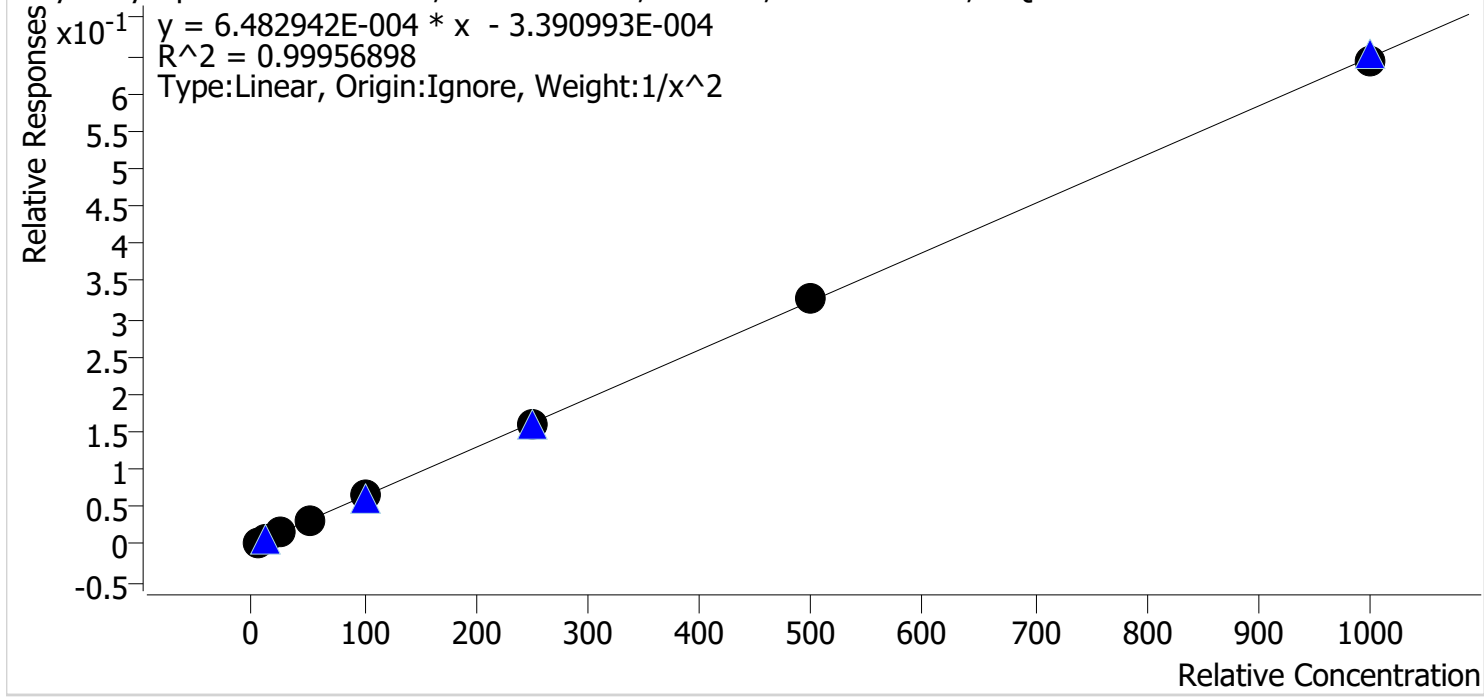
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2-10ng	2	✓	10.0	9.5	95.5
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	45.1	90.1
p1 Cal 5-100ng	5	✓	100.0	94.3	94.3
p1 Cal 6-250ng	6	✓	250.0	268.1	107.2
p1 Cal 7-500ng	7	✓	500.0	571.9	114.4
p1 Cal 8-1000ng	8	✗	1000.0	1305.8	130.6



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** 9-hydroxyrisperidone **Internal Standard** 9-hydroxyrisperidone-D4

9-hydroxyrisperidone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

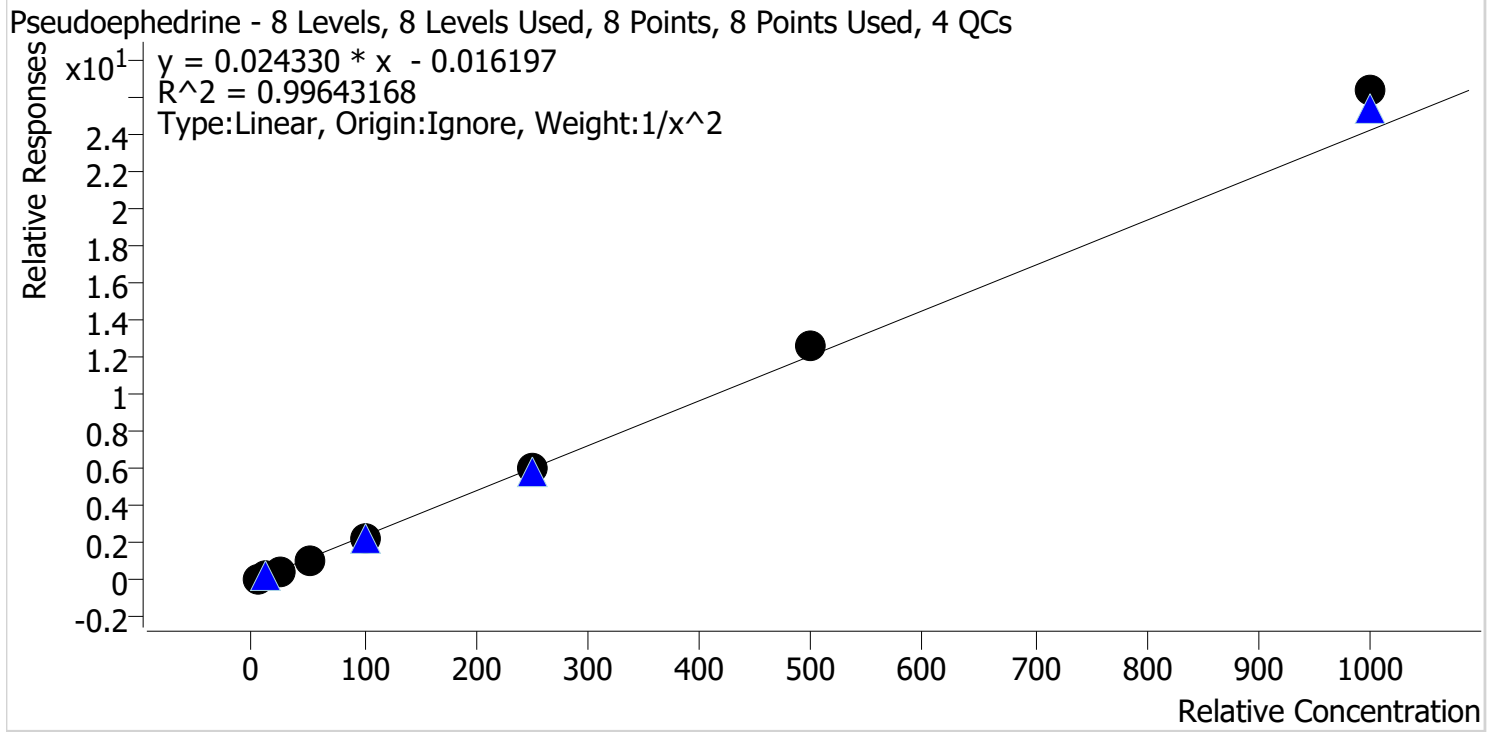


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	507.8	101.6
p1 Cal 8-1000ng	8	✓	1000.0	991.3	99.1



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Pseudoephedrine Internal Standard Pseudoephedrine-D3



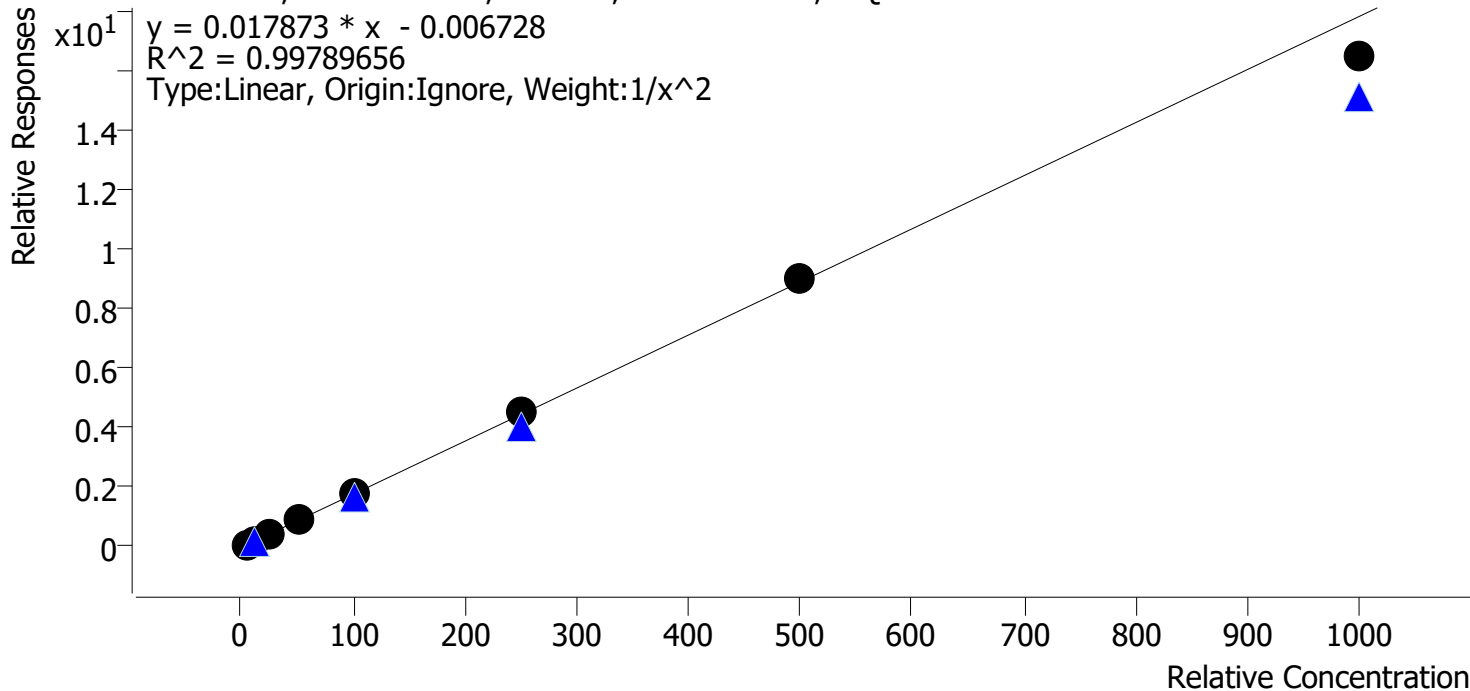
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	47.5	94.9
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	524.9	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1087.8	108.8



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-D3

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



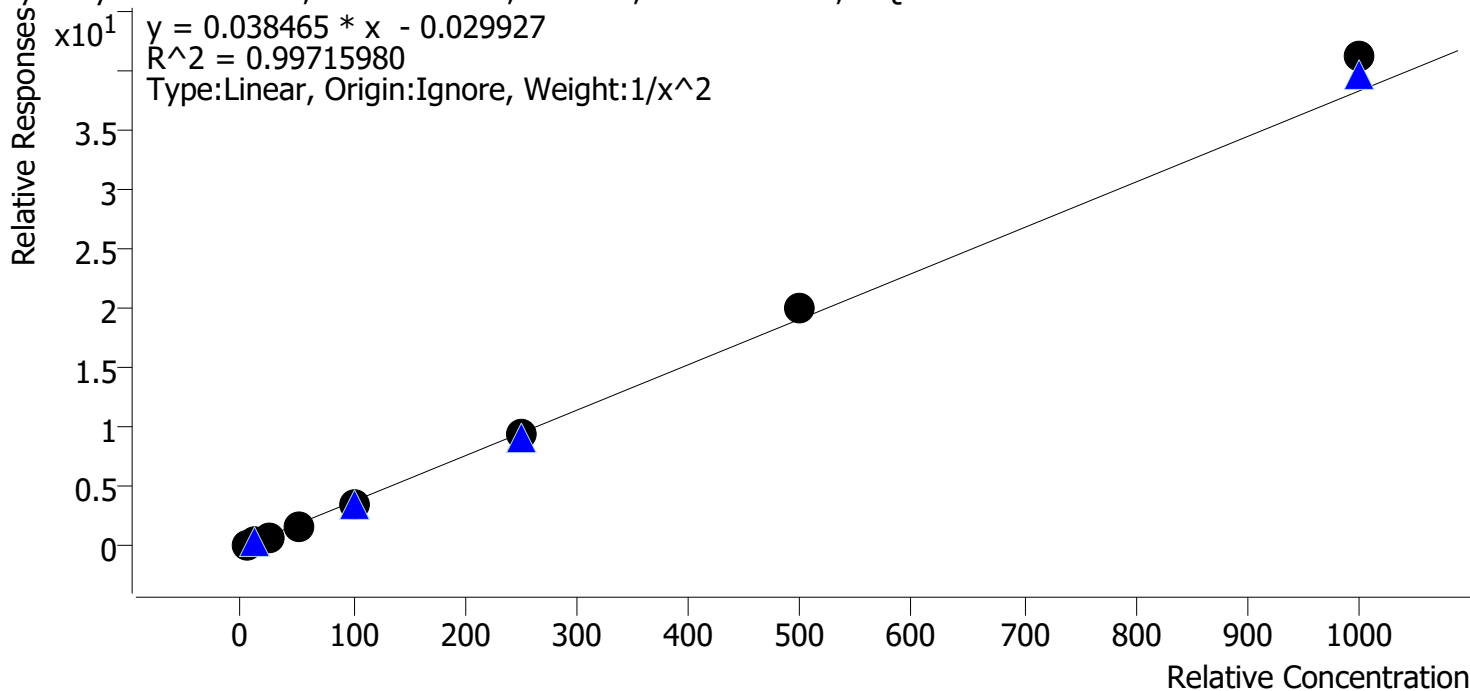
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	49.3	98.7
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	509.4	101.9
p1 Cal 8-1000ng	8	✓	1000.0	924.4	92.4



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Hydroxyzine Internal Standard Dextromethorphan-D3

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

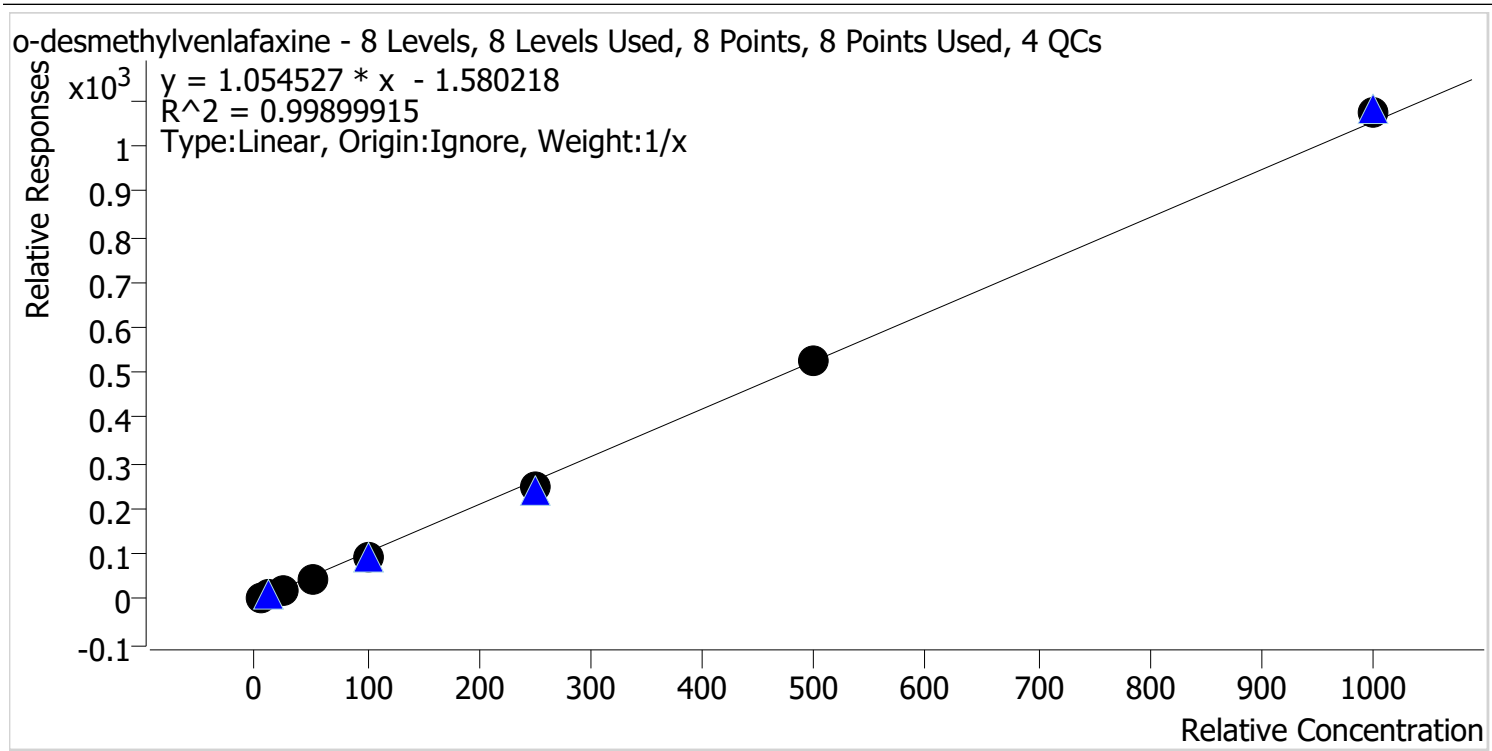


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	525.4	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1075.3	107.5



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6



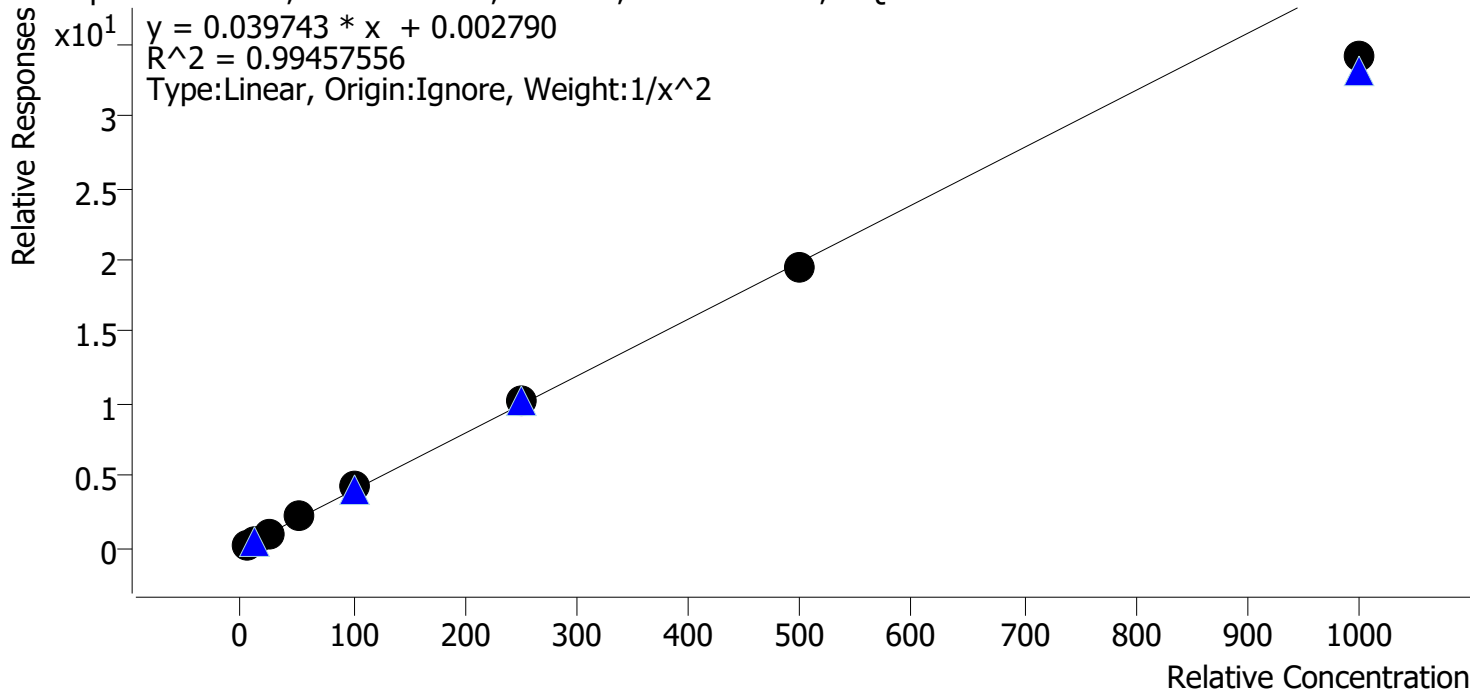
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.8	116.0
p1 Cal 2-10ng	2	✓	10.0	10.6	105.8
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.0
p1 Cal 4-50ng	4	✓	50.0	46.9	93.9
p1 Cal 5-100ng	5	✓	100.0	93.6	93.6
p1 Cal 6-250ng	6	✓	250.0	239.2	95.7
p1 Cal 7-500ng	7	✓	500.0	500.1	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1020.5	102.1



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Olanzapine Internal Standard Olanzapine-D8

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



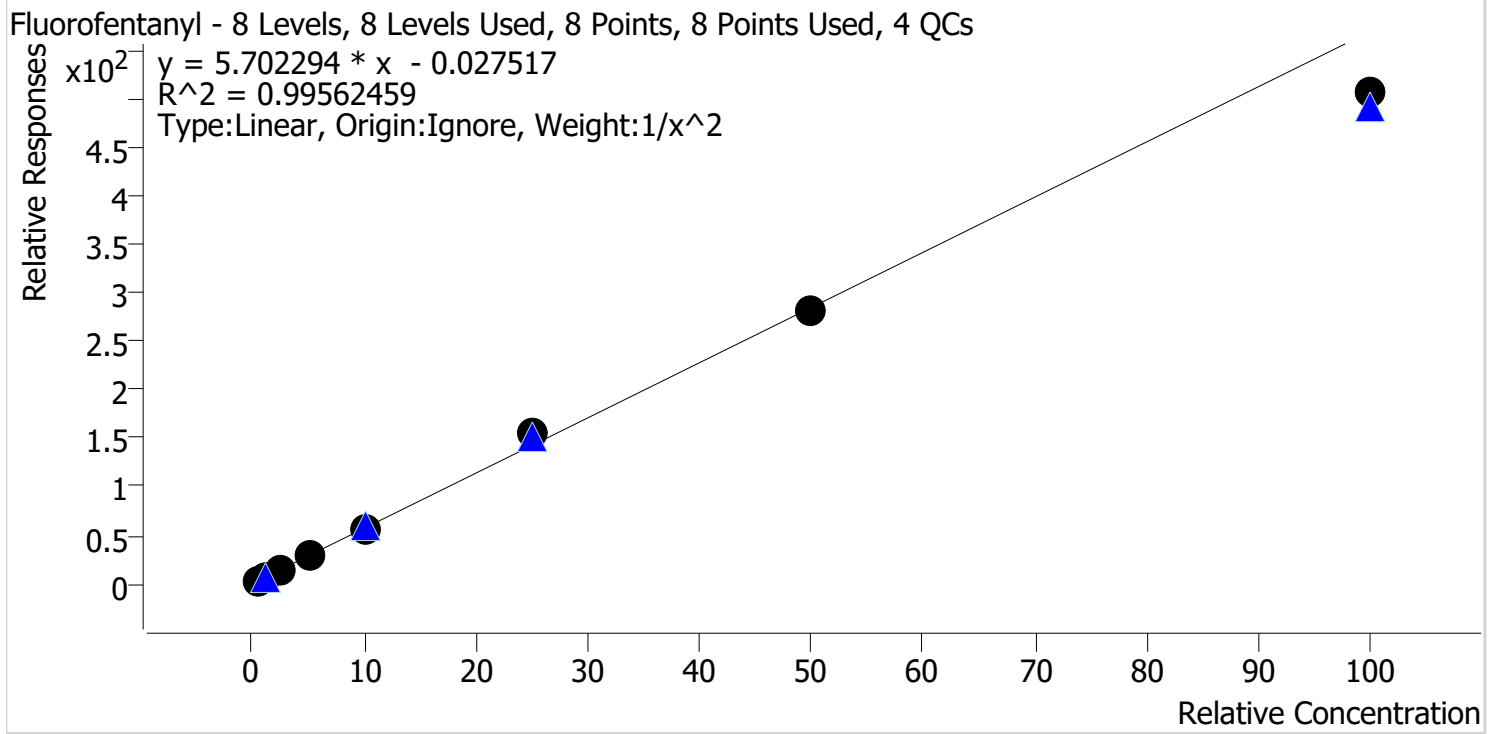
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	859.5	85.9





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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluorofentanyl Internal Standard Fluorofentanyl-D5

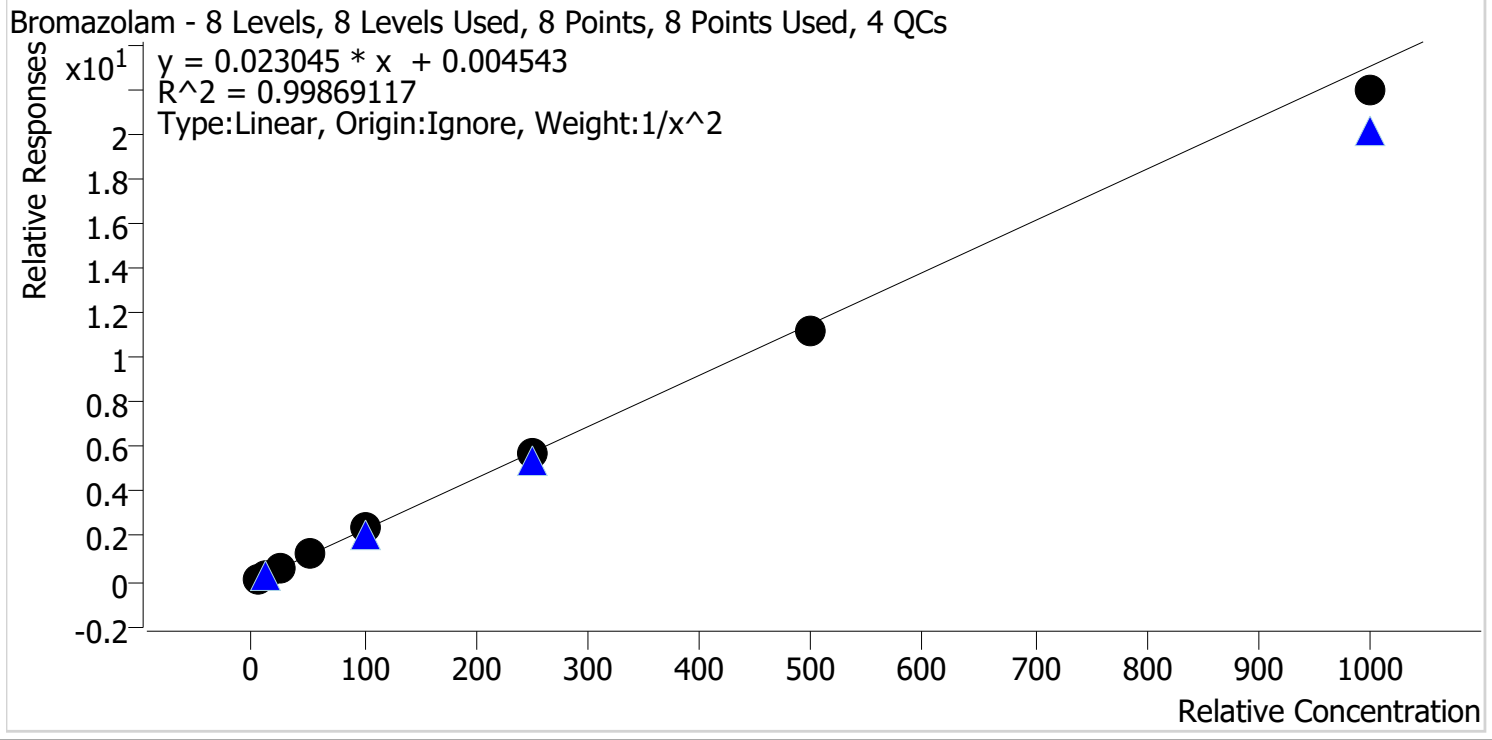


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.7
p1 Cal 2-10ng	2	✓	1.0	1.0	97.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.5
p1 Cal 4-50ng	4	✓	5.0	5.3	106.0
p1 Cal 5-100ng	5	✓	10.0	10.0	100.3
p1 Cal 6-250ng	6	✓	25.0	27.0	107.8
p1 Cal 7-500ng	7	✓	50.0	49.3	98.6
p1 Cal 8-1000ng	8	✓	100.0	88.9	88.9



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Bromazolam Internal Standard Bromazolam-D5



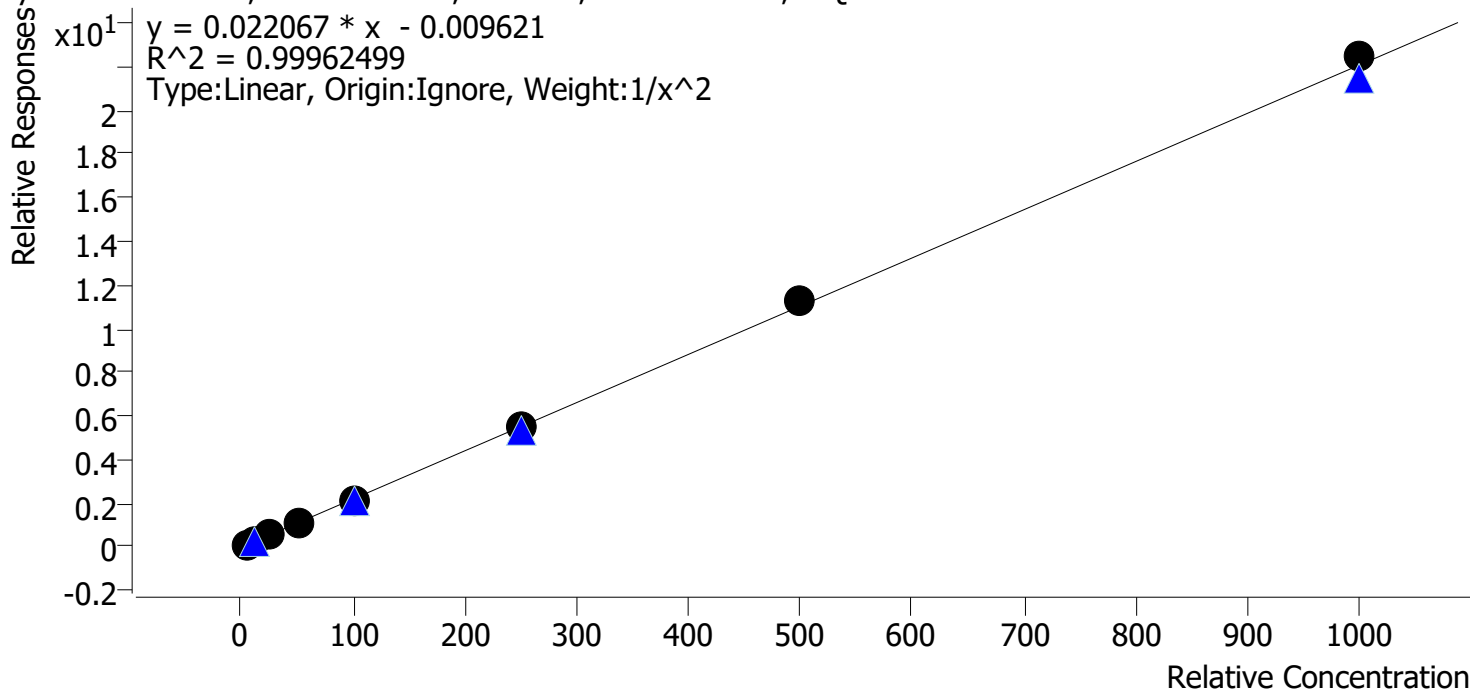
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	485.6	97.1
p1 Cal 8-1000ng	8	✓	1000.0	952.7	95.3



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Xylazine Internal Standard Xylazine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	509.6	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1017.7	101.8

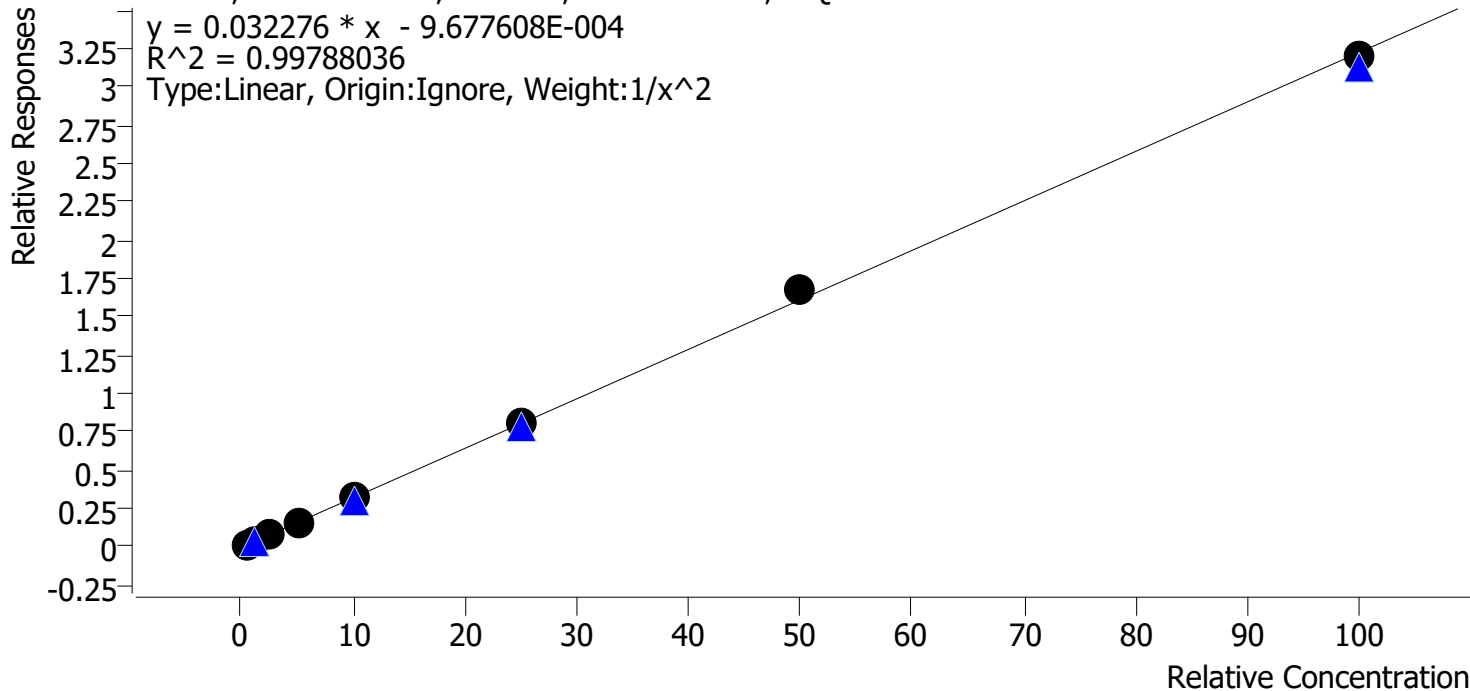
9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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



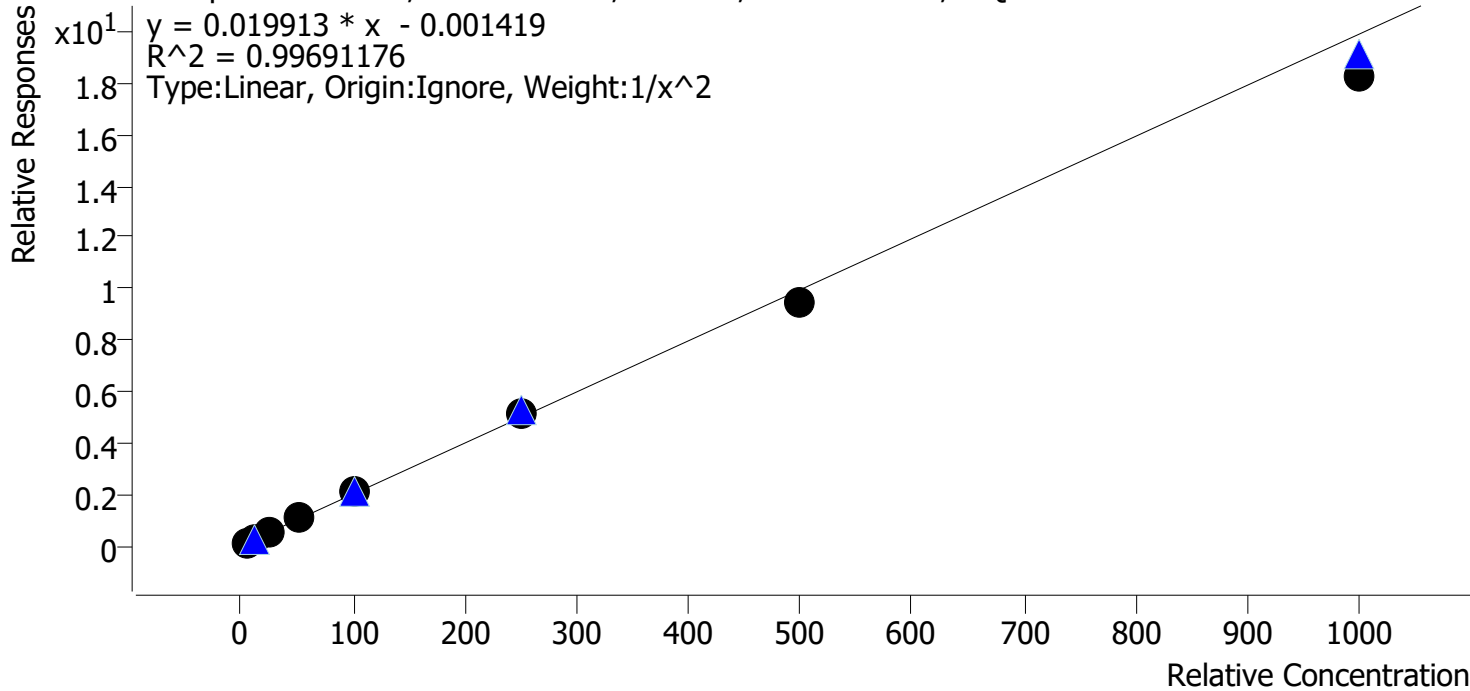
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.9
p1 Cal 2-10ng	2	✓	1.0	0.9	92.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.7
p1 Cal 4-50ng	4	✓	5.0	4.8	96.6
p1 Cal 5-100ng	5	✓	10.0	10.3	102.9
p1 Cal 6-250ng	6	✓	25.0	25.2	100.9
p1 Cal 7-500ng	7	✓	50.0	52.4	104.9
p1 Cal 8-1000ng	8	✓	100.0	99.2	99.2



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



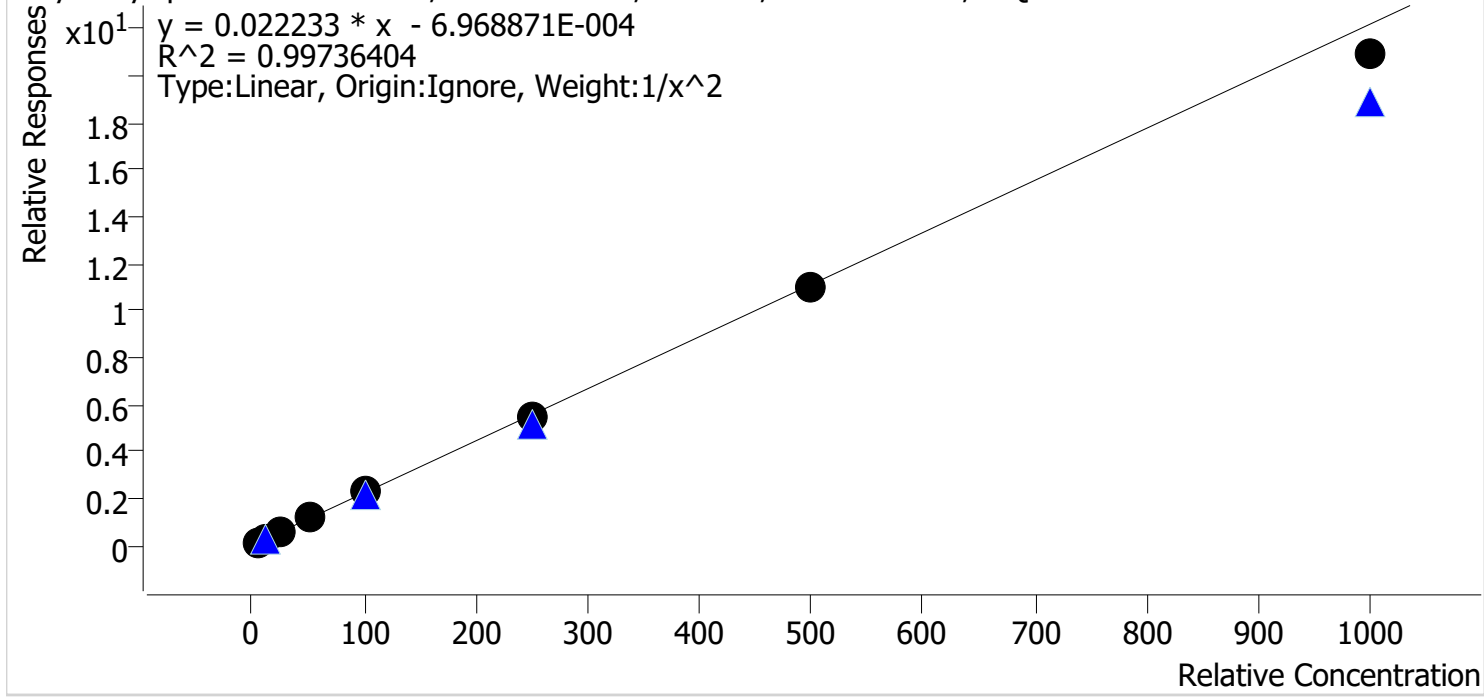
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	258.4	103.4
p1 Cal 7-500ng	7	✓	500.0	473.6	94.7
p1 Cal 8-1000ng	8	✓	1000.0	915.3	91.5



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

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



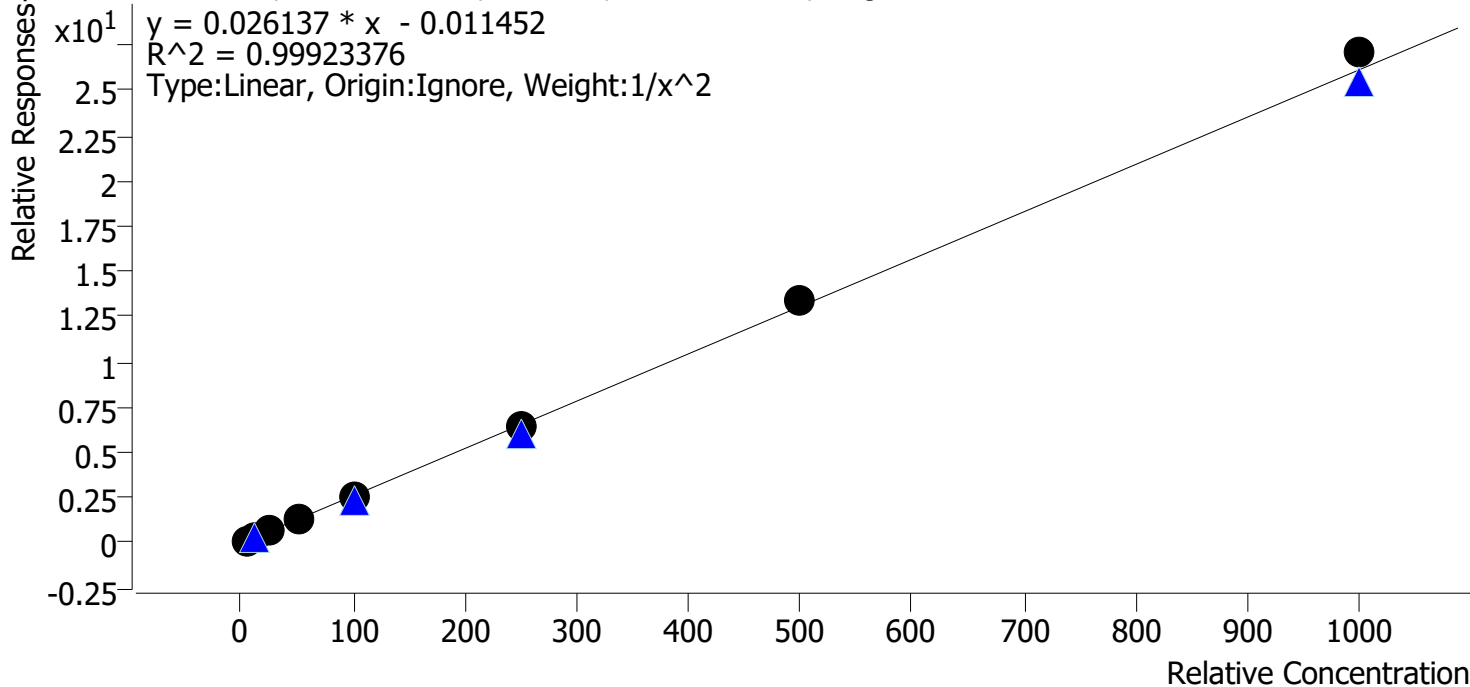
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.3
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	493.3	98.7
p1 Cal 8-1000ng	8	✓	1000.0	942.1	94.2



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-D8

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



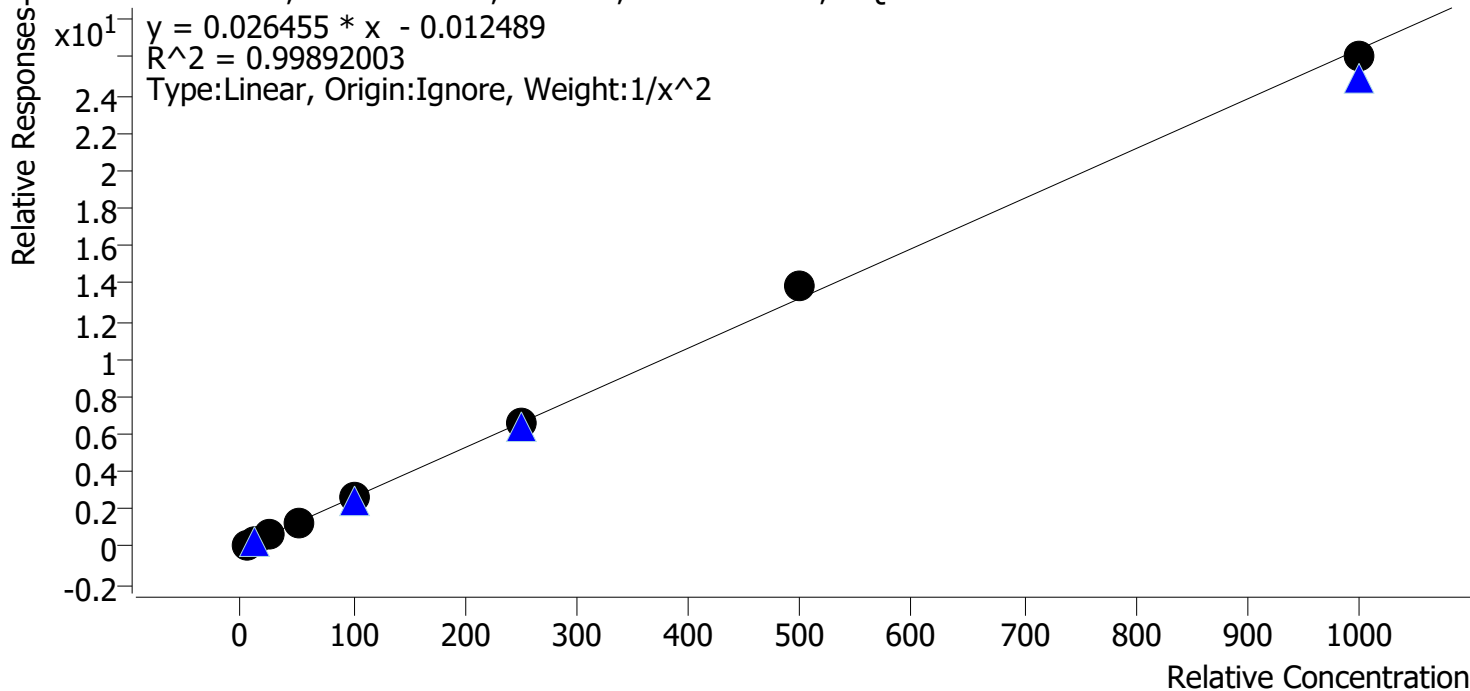
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.3	98.7
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	514.1	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1036.4	103.6



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	522.1	104.4
p1 Cal 8-1000ng	8	✓	1000.0	985.1	98.5

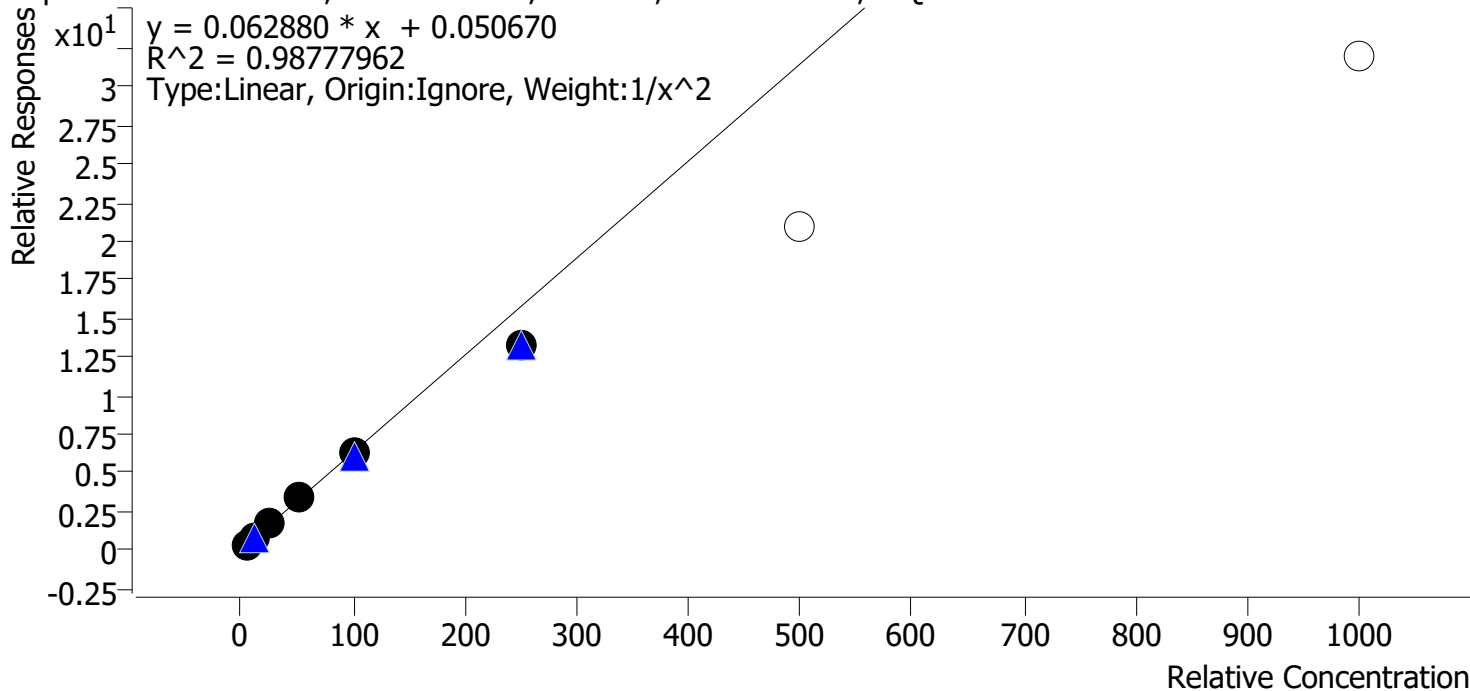




# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



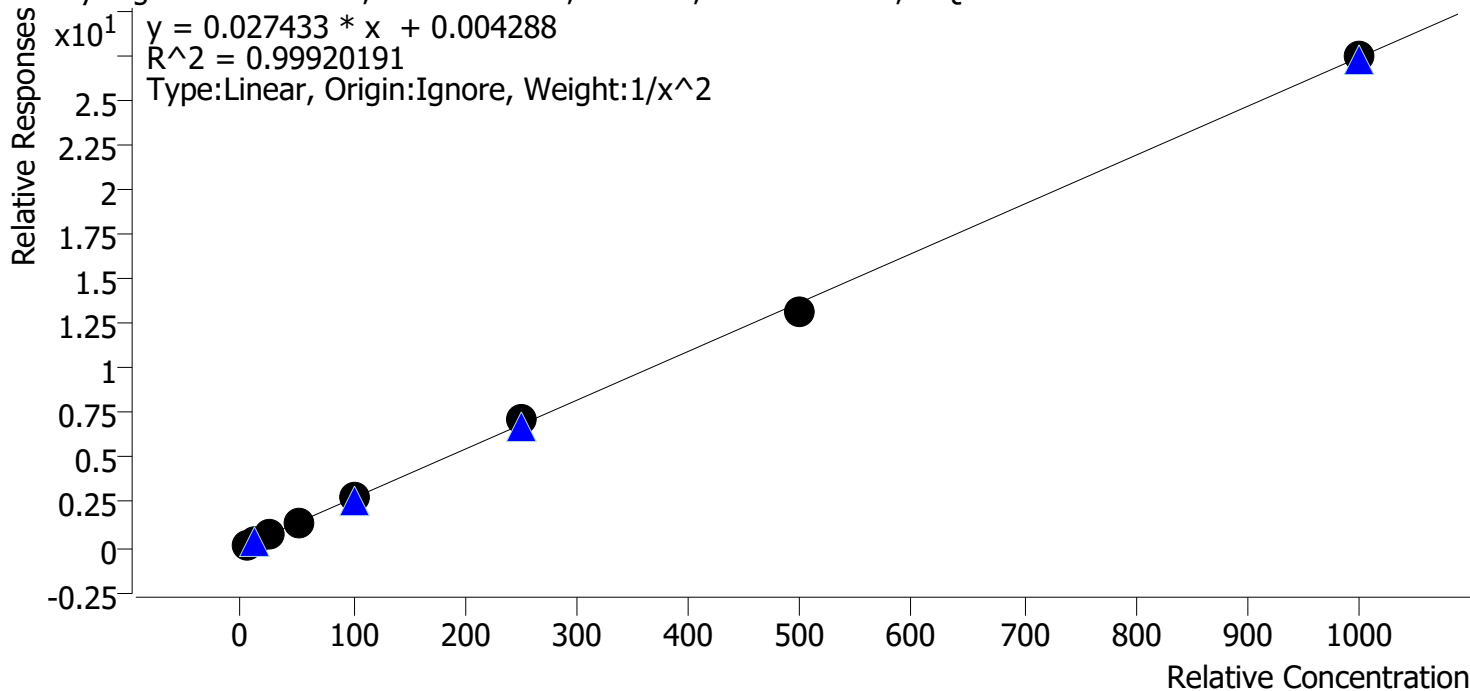
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.5	105.0
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.8
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	210.2	84.1
p1 Cal 7-500ng	7	x	500.0	333.9	66.8
p1 Cal 8-1000ng	8	x	1000.0	507.4	50.7



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	484.0	96.8
p1 Cal 8-1000ng	8	✓	1000.0	1001.7	100.2

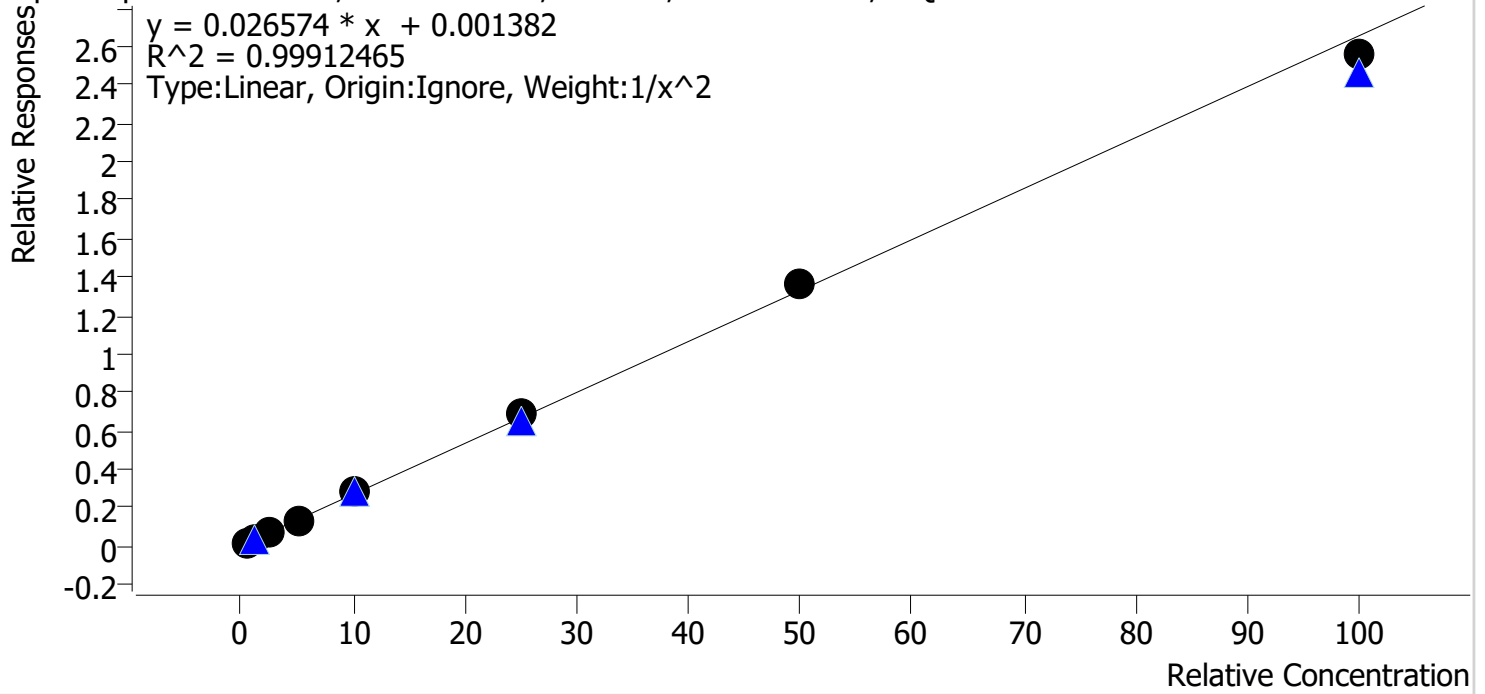
9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

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

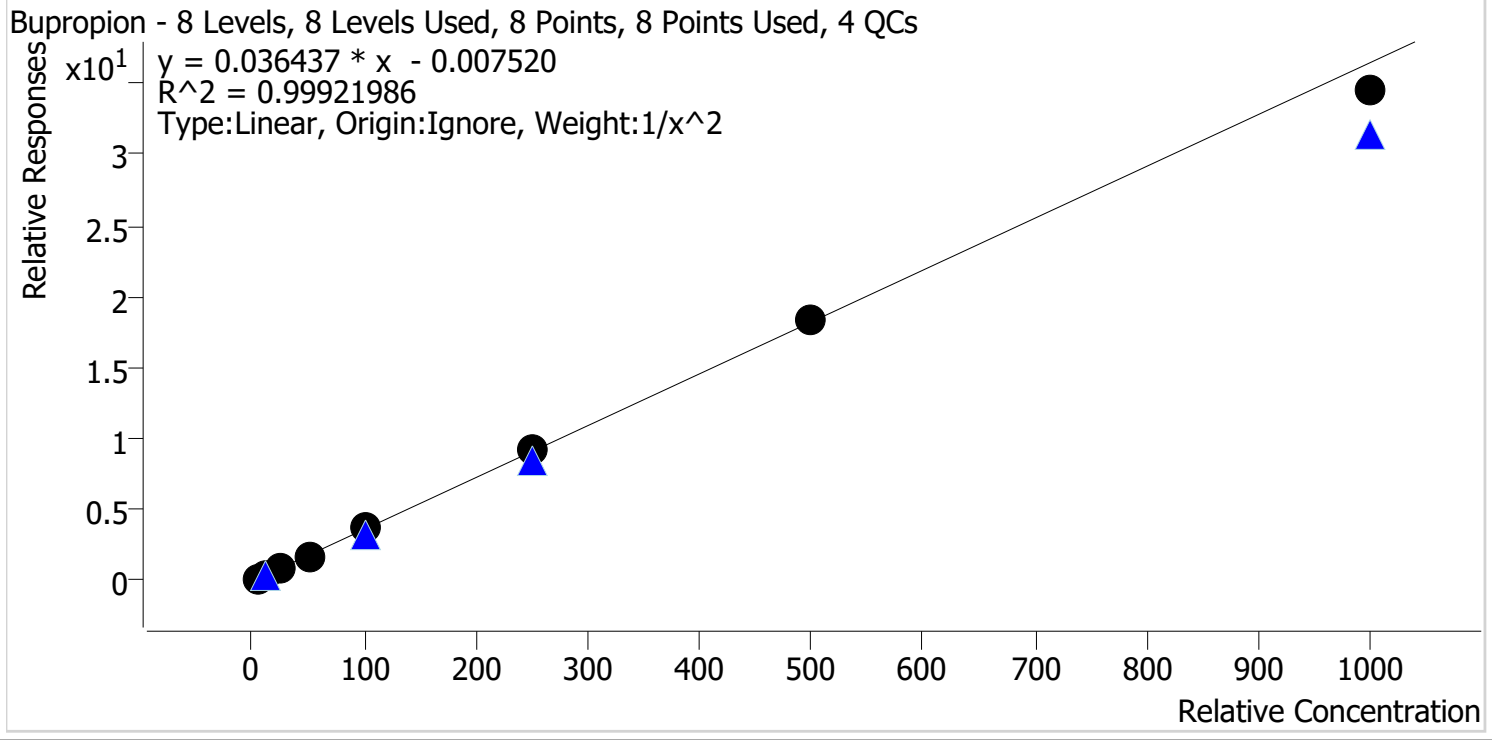


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.1
p1 Cal 2-10ng	2	✓	1.0	1.0	98.5
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.4
p1 Cal 4-50ng	4	✓	5.0	4.9	97.9
p1 Cal 5-100ng	5	✓	10.0	10.3	103.4
p1 Cal 6-250ng	6	✓	25.0	25.6	102.3
p1 Cal 7-500ng	7	✓	50.0	51.1	102.1
p1 Cal 8-1000ng	8	✓	100.0	96.3	96.3



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

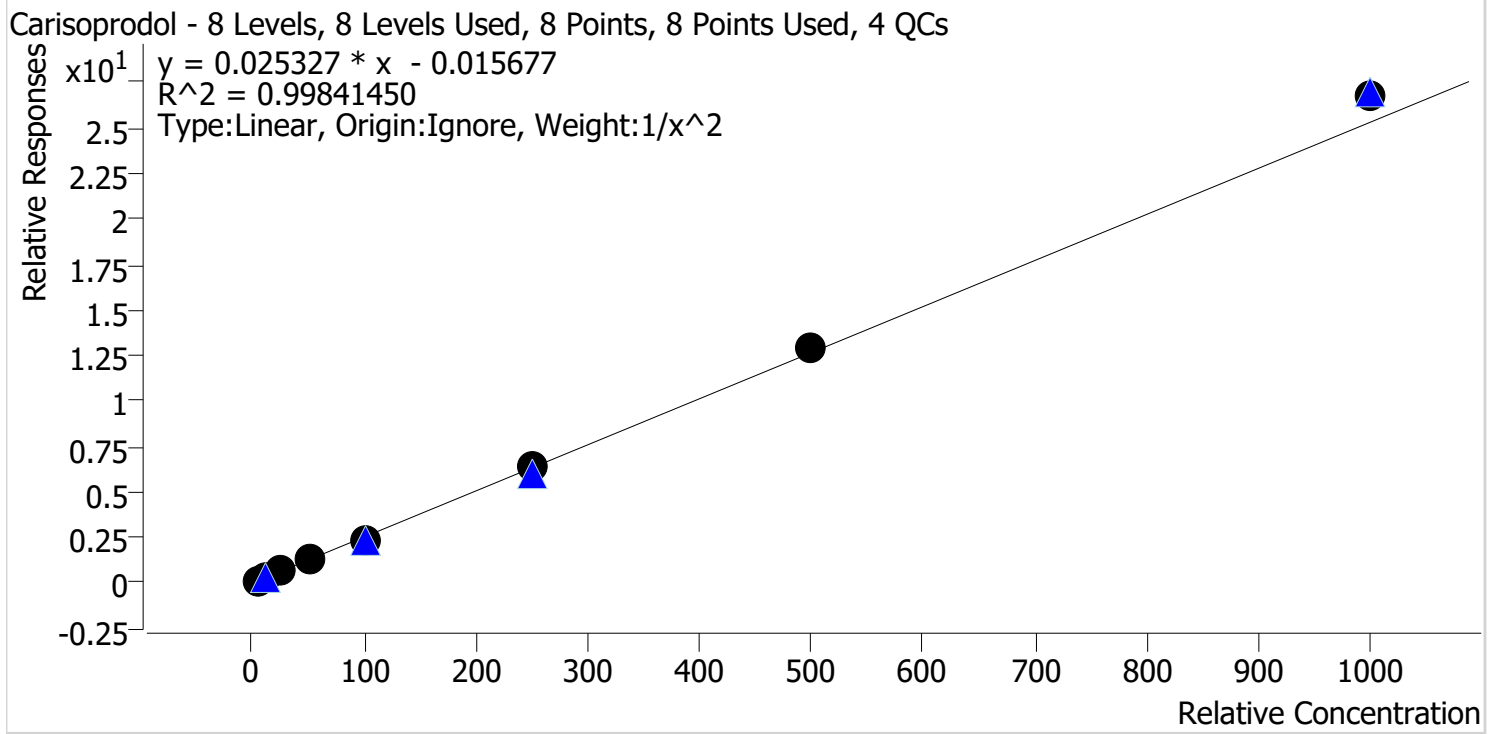


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	501.0	100.2
p1 Cal 8-1000ng	8	✓	1000.0	946.1	94.6



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Carisoprodol Internal Standard Carisoprodol-D7



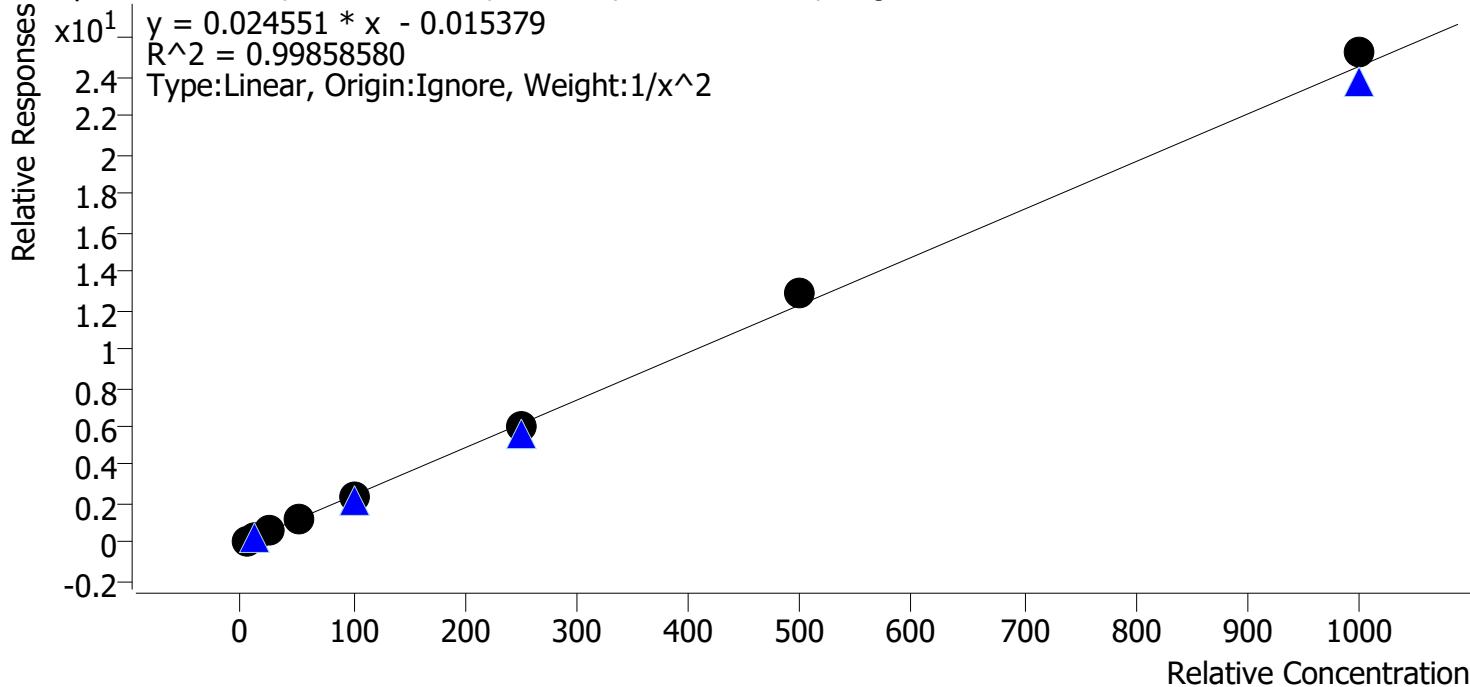
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	510.9	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1054.8	105.5



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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

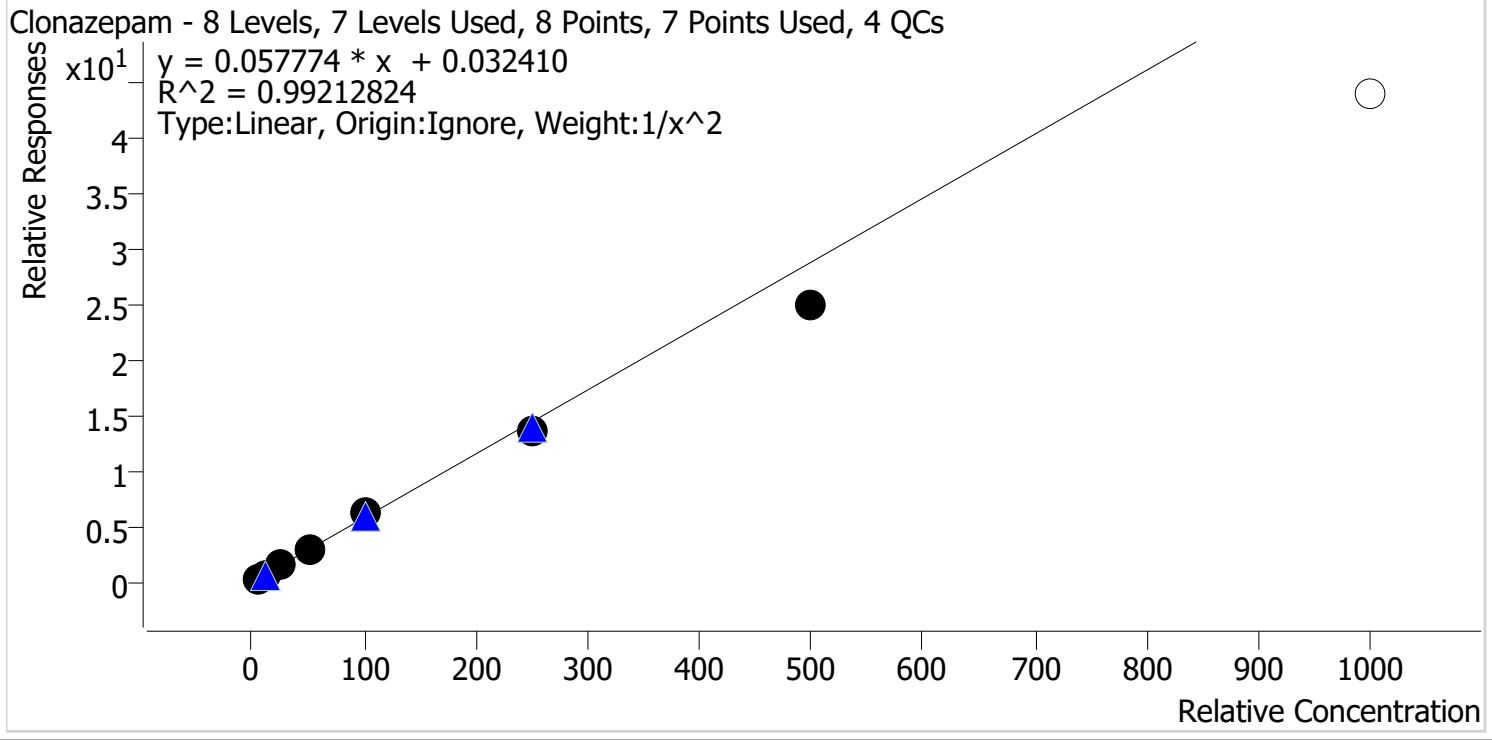


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	524.8	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1029.0	102.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



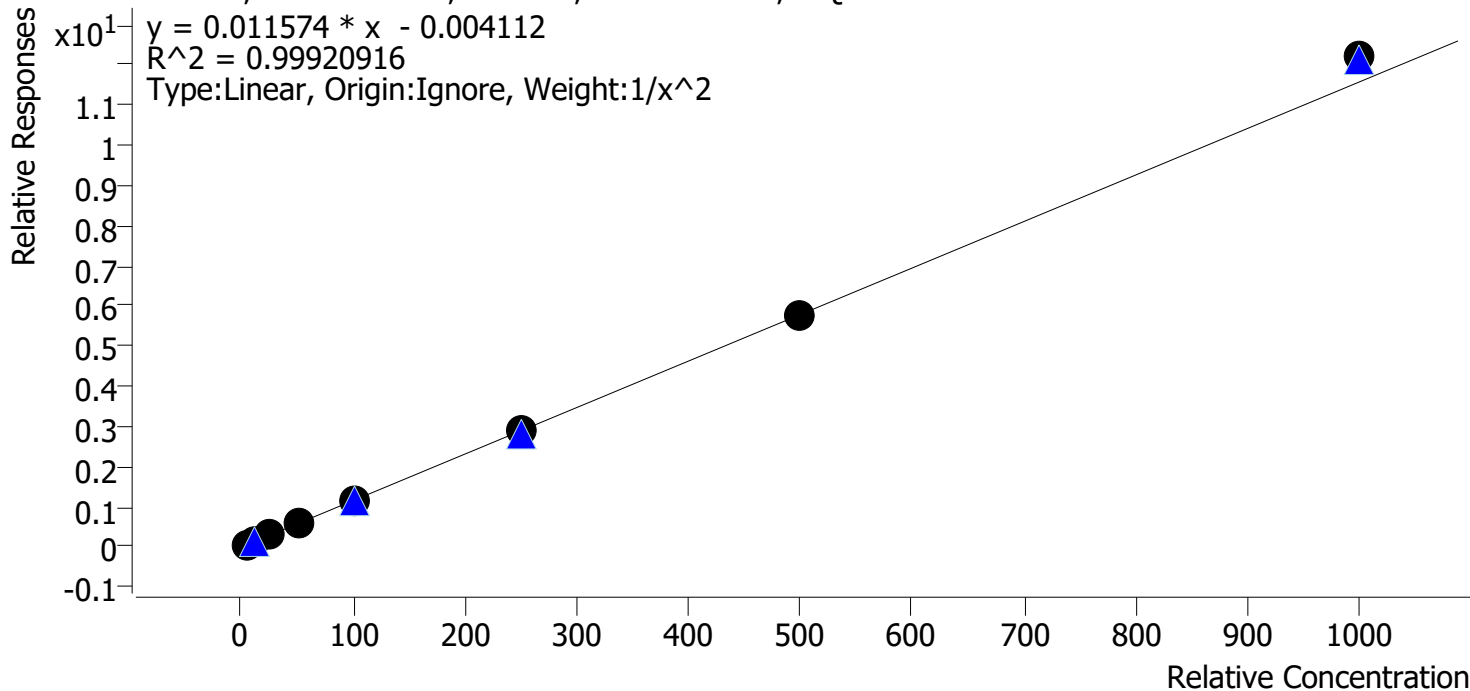
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	238.4	95.3
p1 Cal 7-500ng	7	✓	500.0	433.3	86.7
p1 Cal 8-1000ng	8	✗	1000.0	760.8	76.1



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Cocaine Internal Standard Cocaine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	499.0	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1054.7	105.5



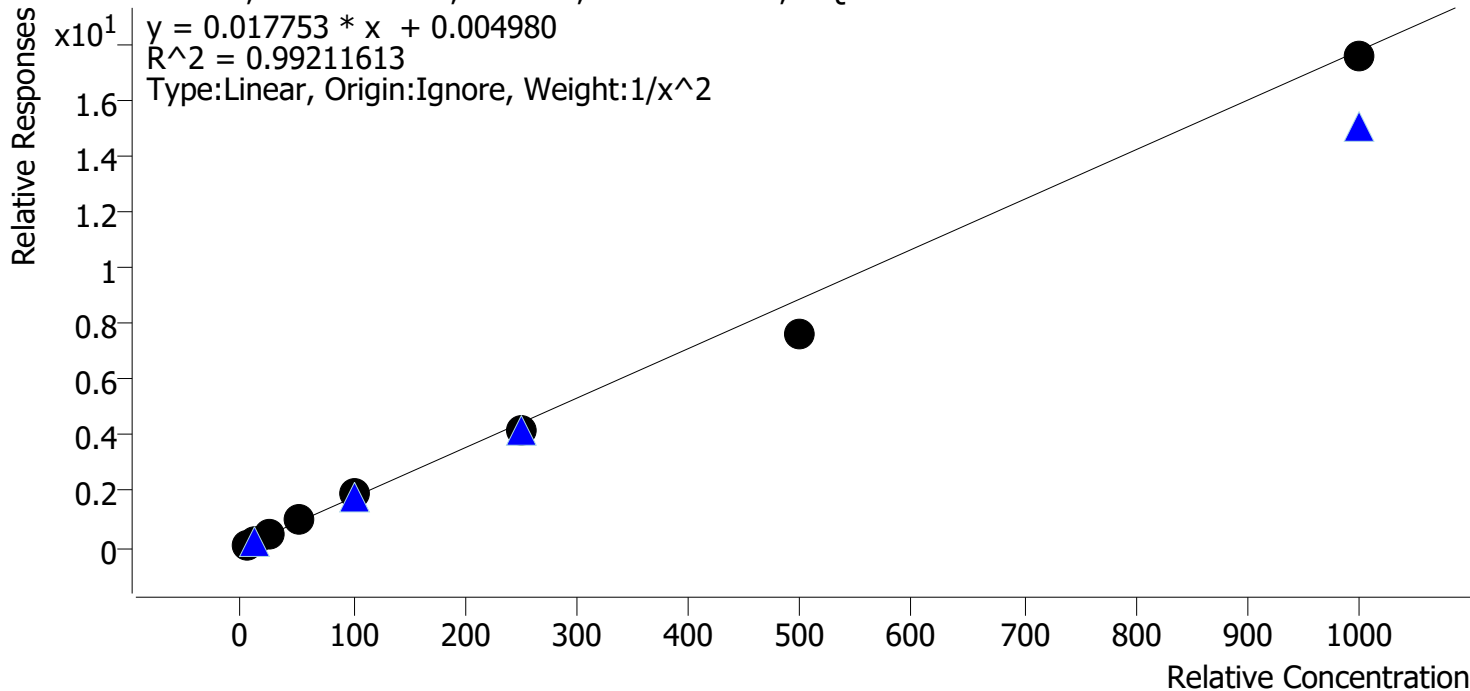
2



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.0
p1 Cal 4-50ng	4	✓	50.0	54.5	109.1
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	236.1	94.4
p1 Cal 7-500ng	7	✓	500.0	430.0	86.0
p1 Cal 8-1000ng	8	✓	1000.0	987.9	98.8

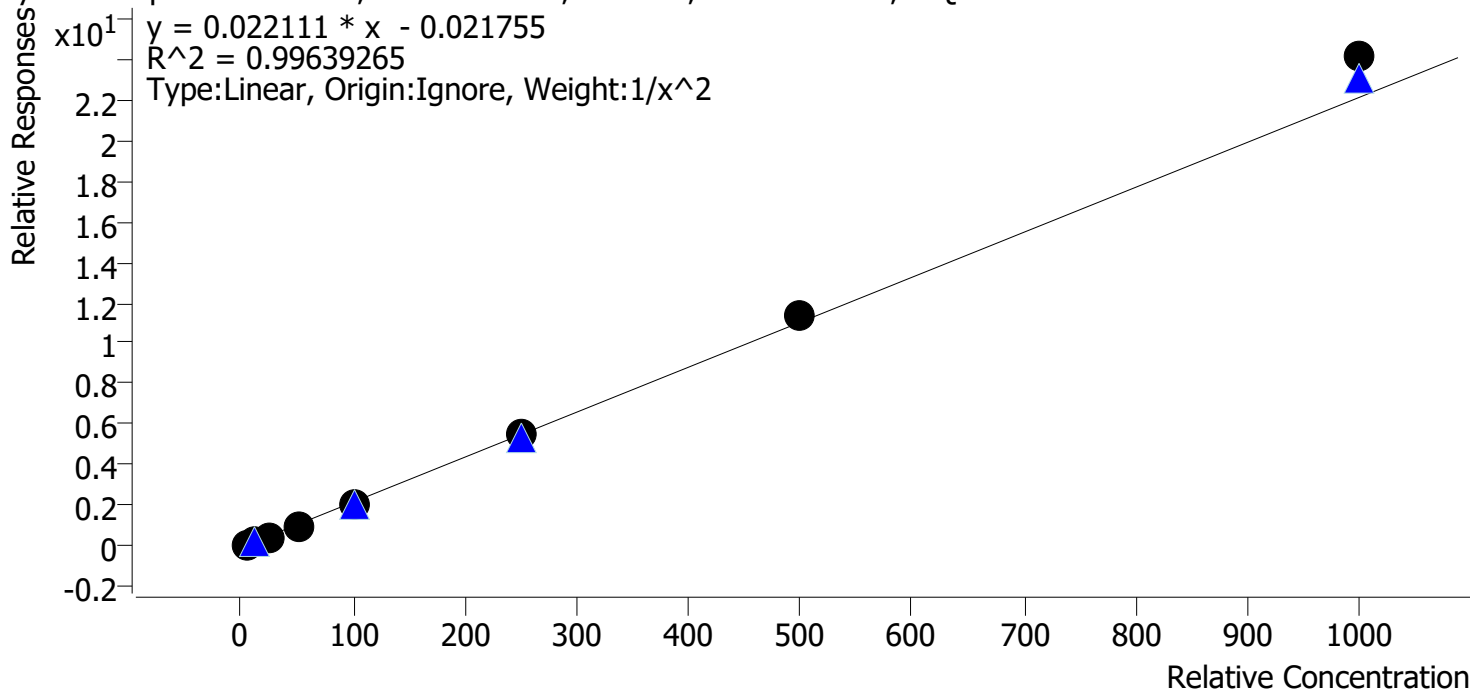
2



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

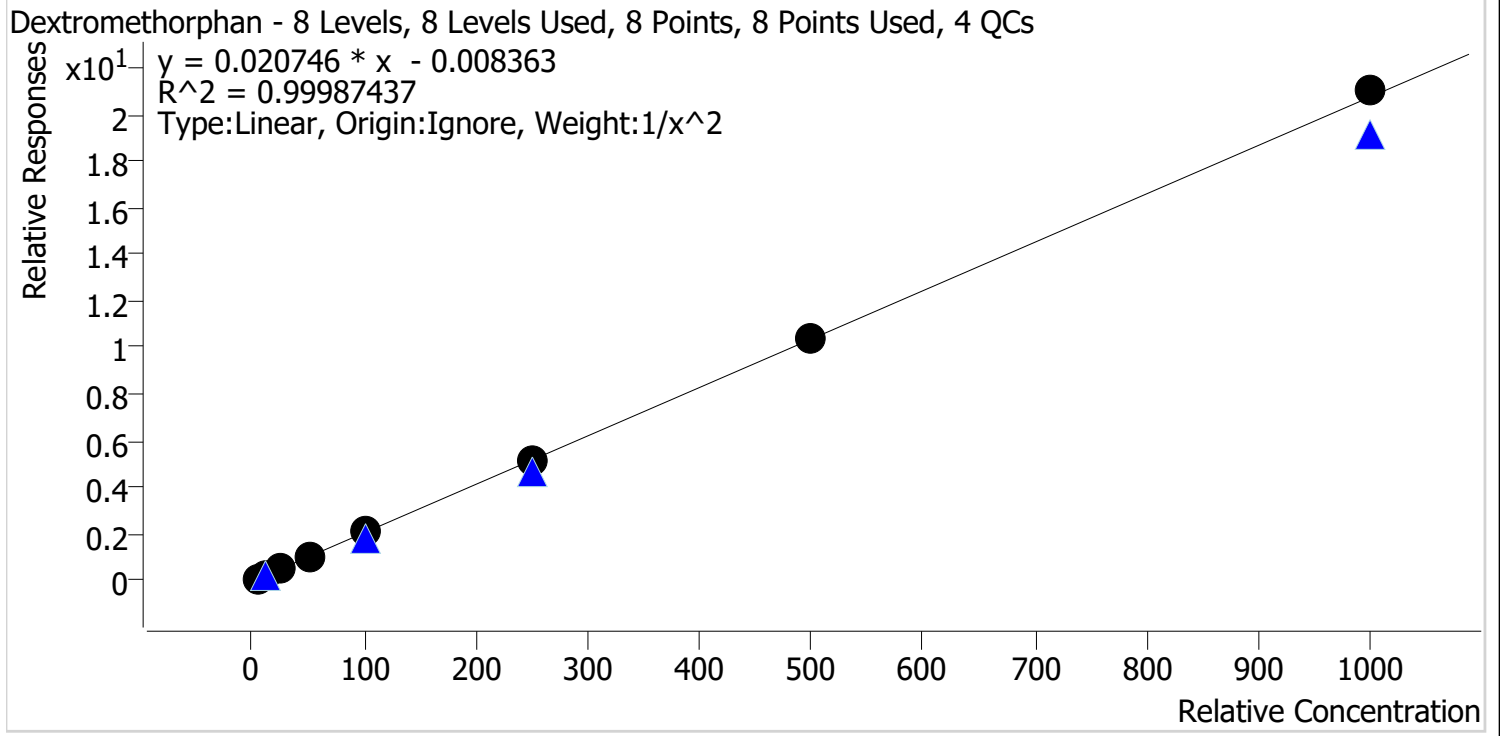


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.8
p1 Cal 4-50ng	4	✓	50.0	47.5	94.9
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	515.8	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1090.8	109.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



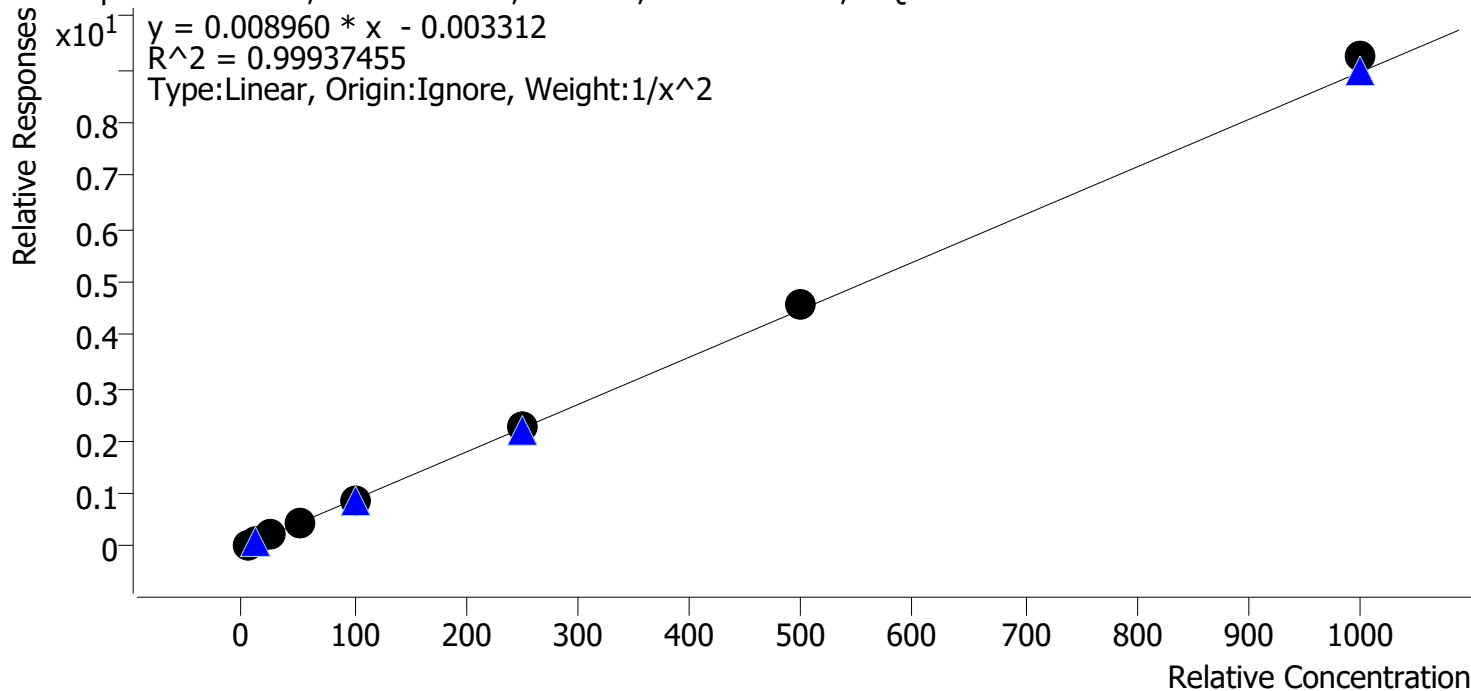
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1013.3	101.3



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrophan Internal Standard Dextrophan-D3

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

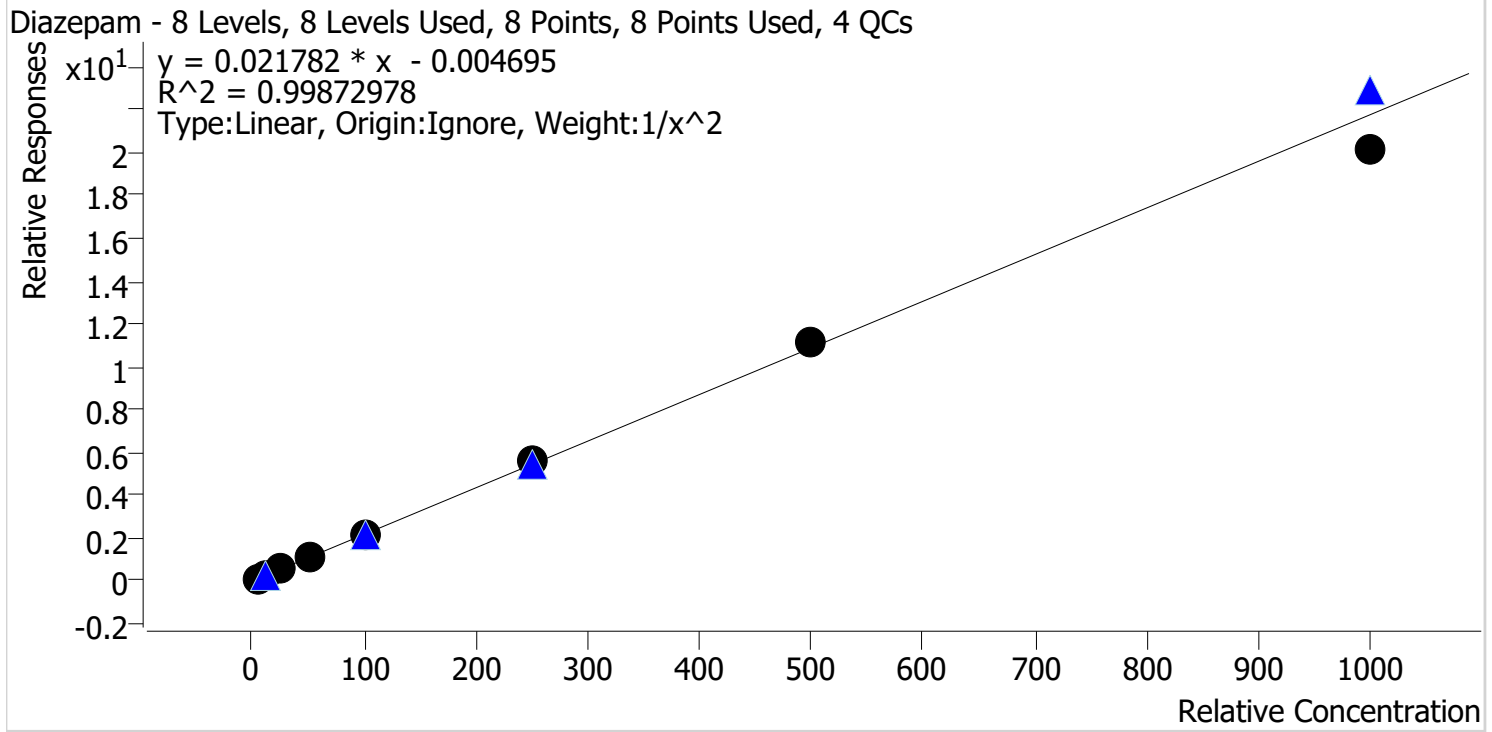


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	511.0	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1032.7	103.3



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



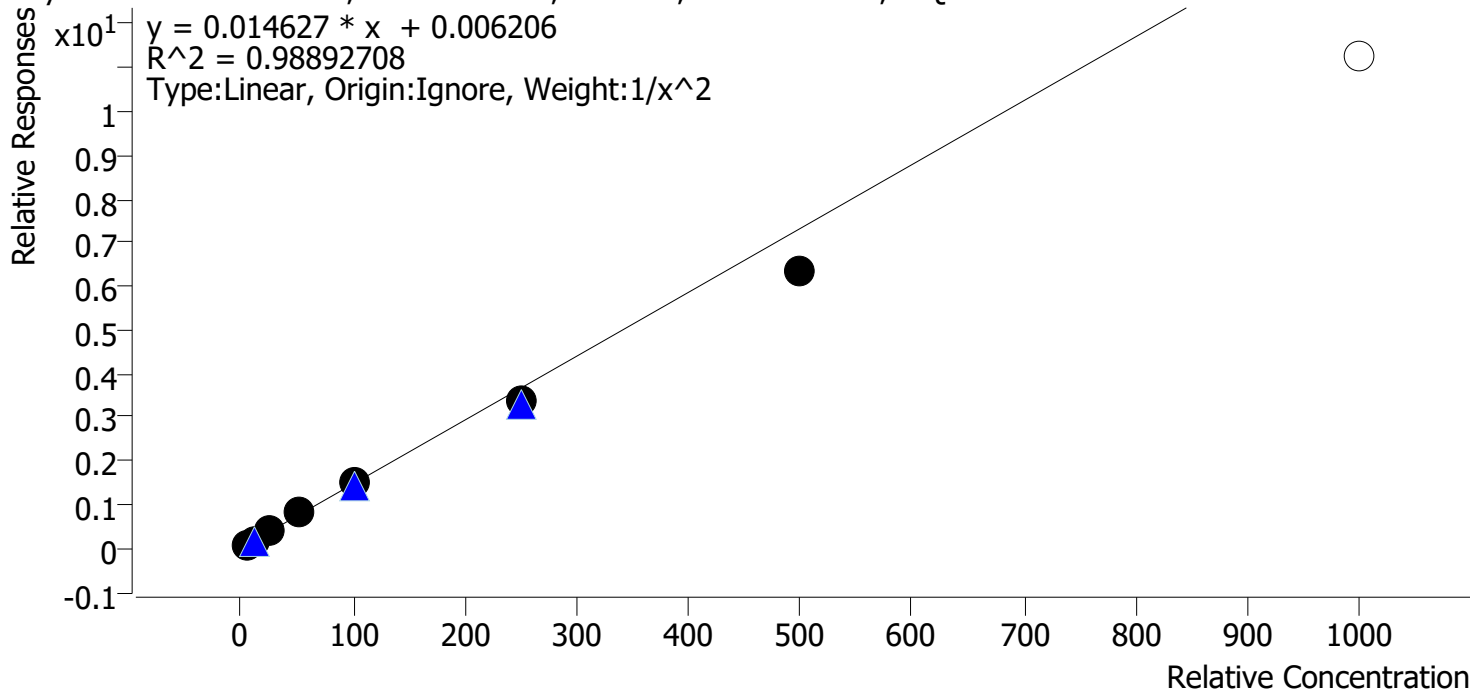
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	509.0	101.8
p1 Cal 8-1000ng	8	✓	1000.0	928.6	92.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.3
p1 Cal 4-50ng	4	✓	50.0	54.2	108.3
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	229.0	91.6
p1 Cal 7-500ng	7	✓	500.0	432.4	86.5
p1 Cal 8-1000ng	8	✗	1000.0	769.0	76.9

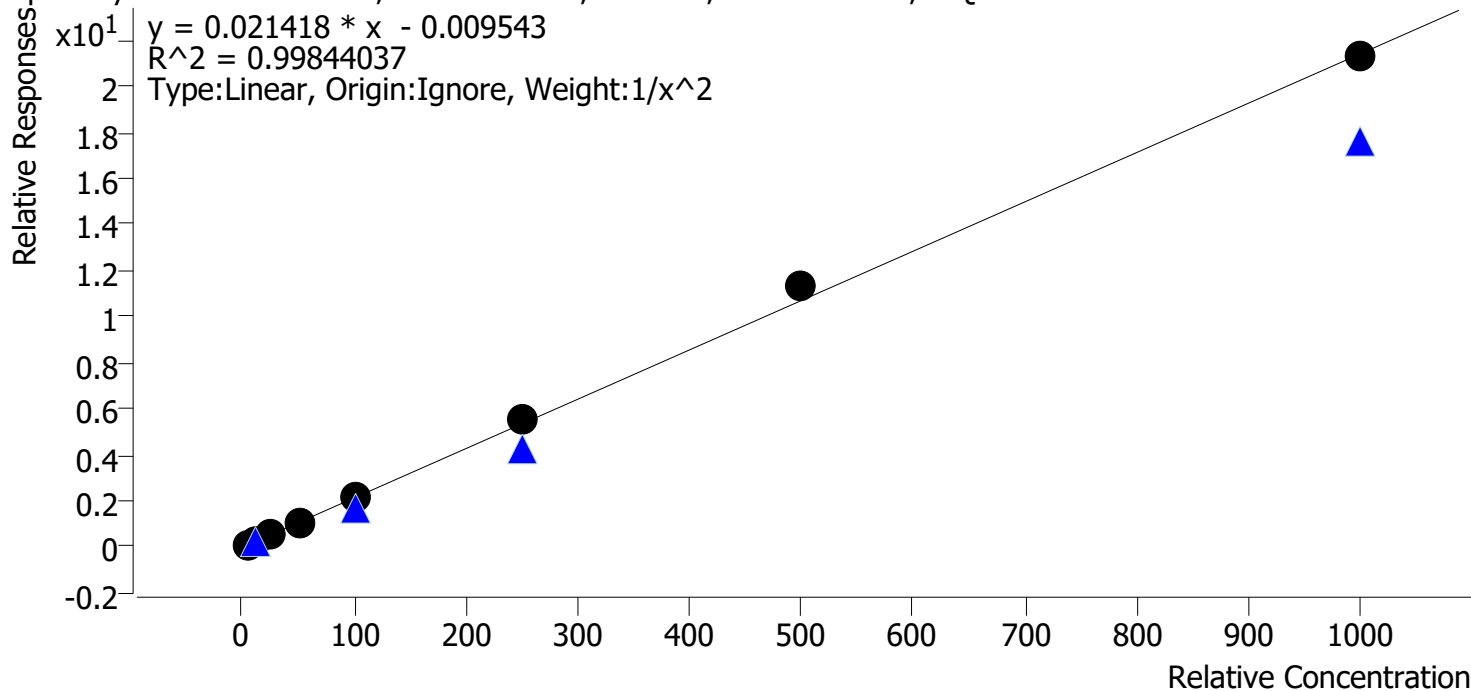
9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



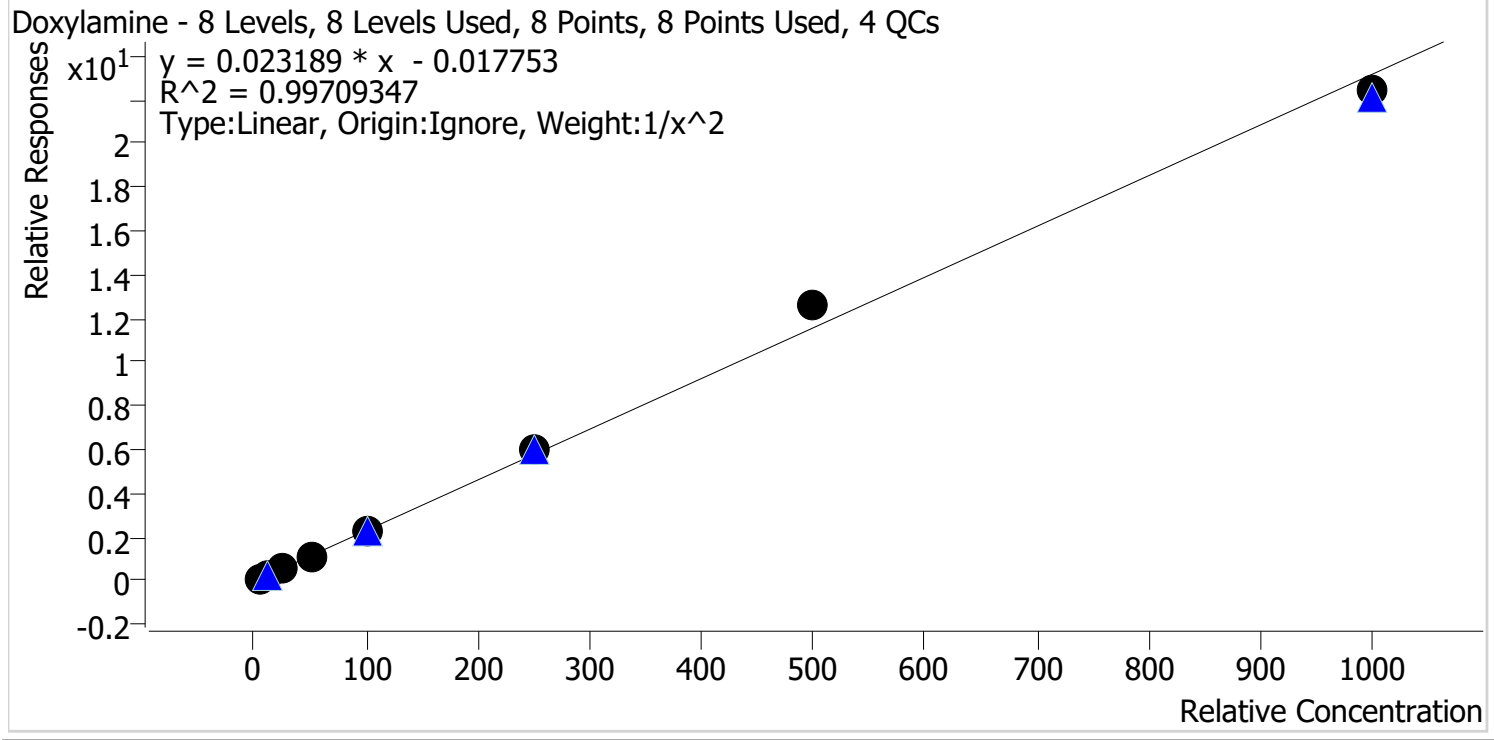
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	529.3	105.9
p1 Cal 8-1000ng	8	✓	1000.0	994.5	99.5



9

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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	261.9	104.8
p1 Cal 7-500ng	7	✓	500.0	542.4	108.5
p1 Cal 8-1000ng	8	✓	1000.0	967.8	96.8

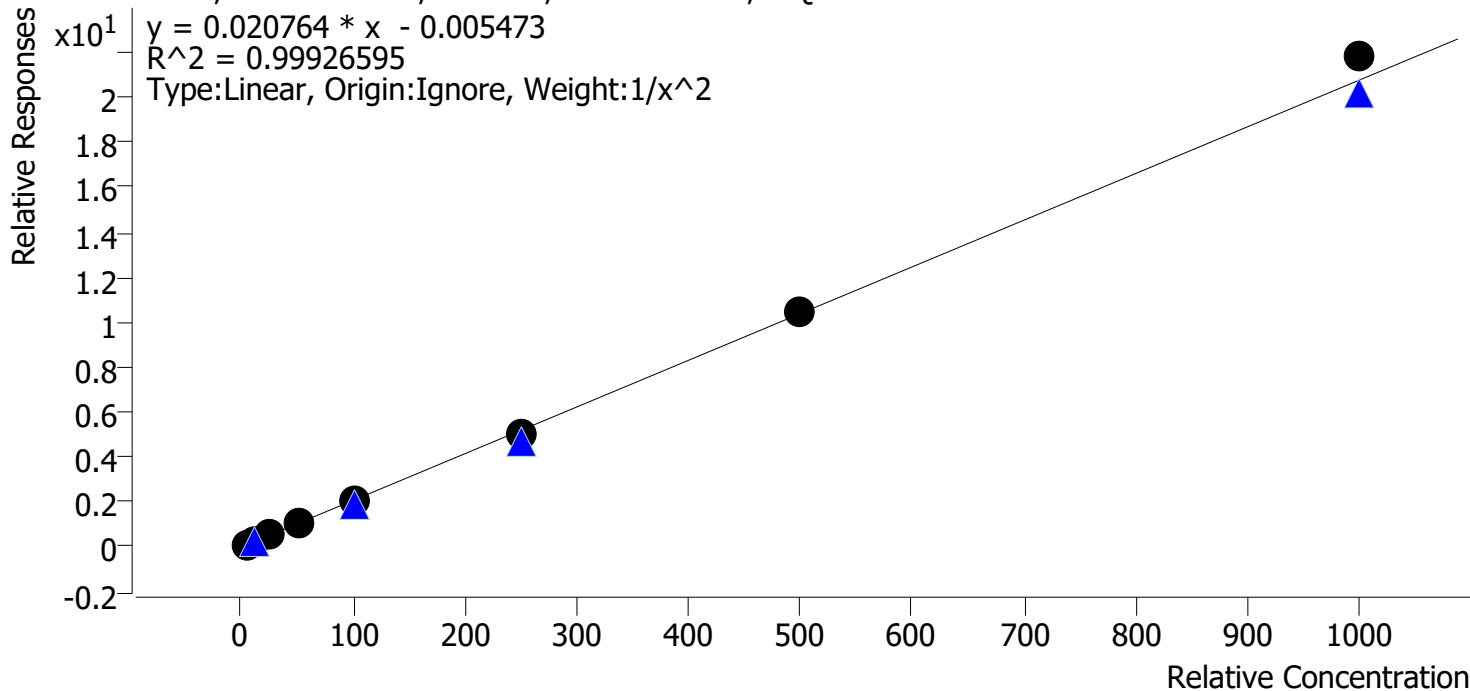




# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	244.4	97.8
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1050.5	105.0

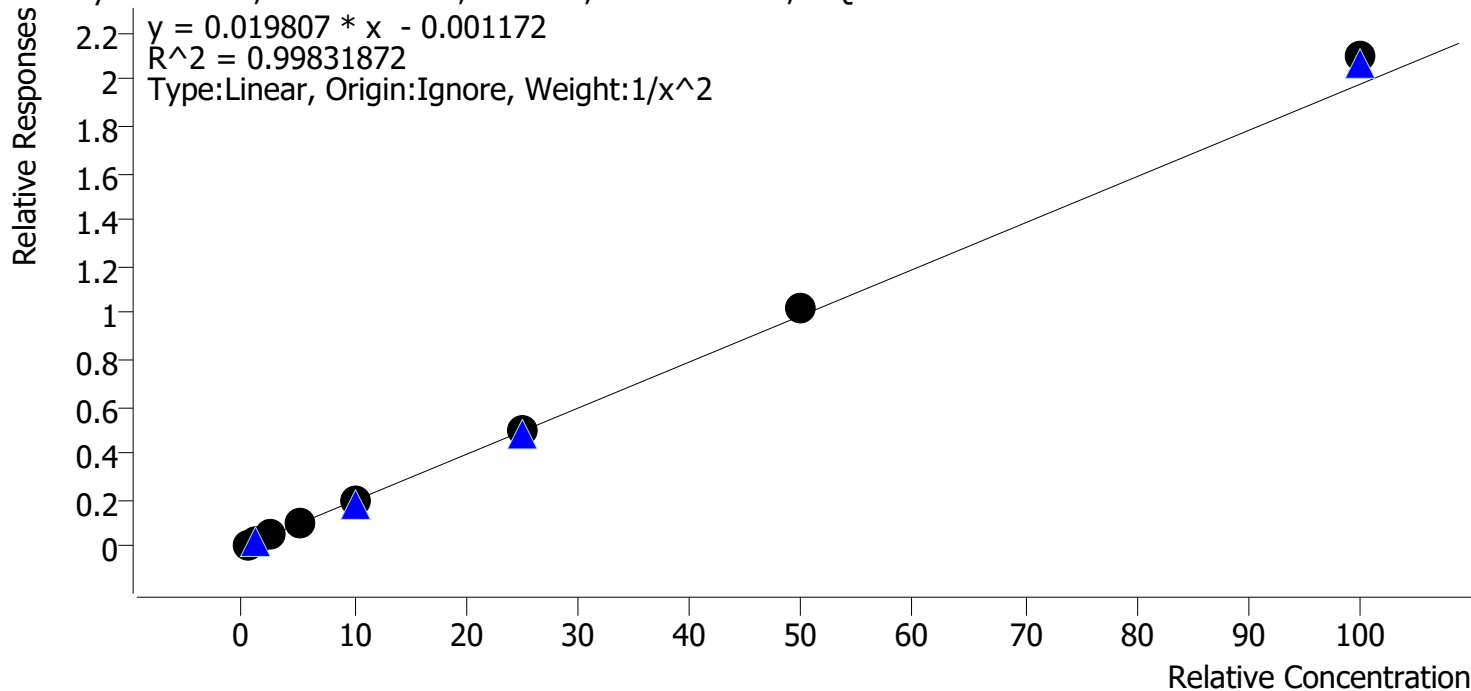


2

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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Fentanyl Internal Standard Fentanyl-D5

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



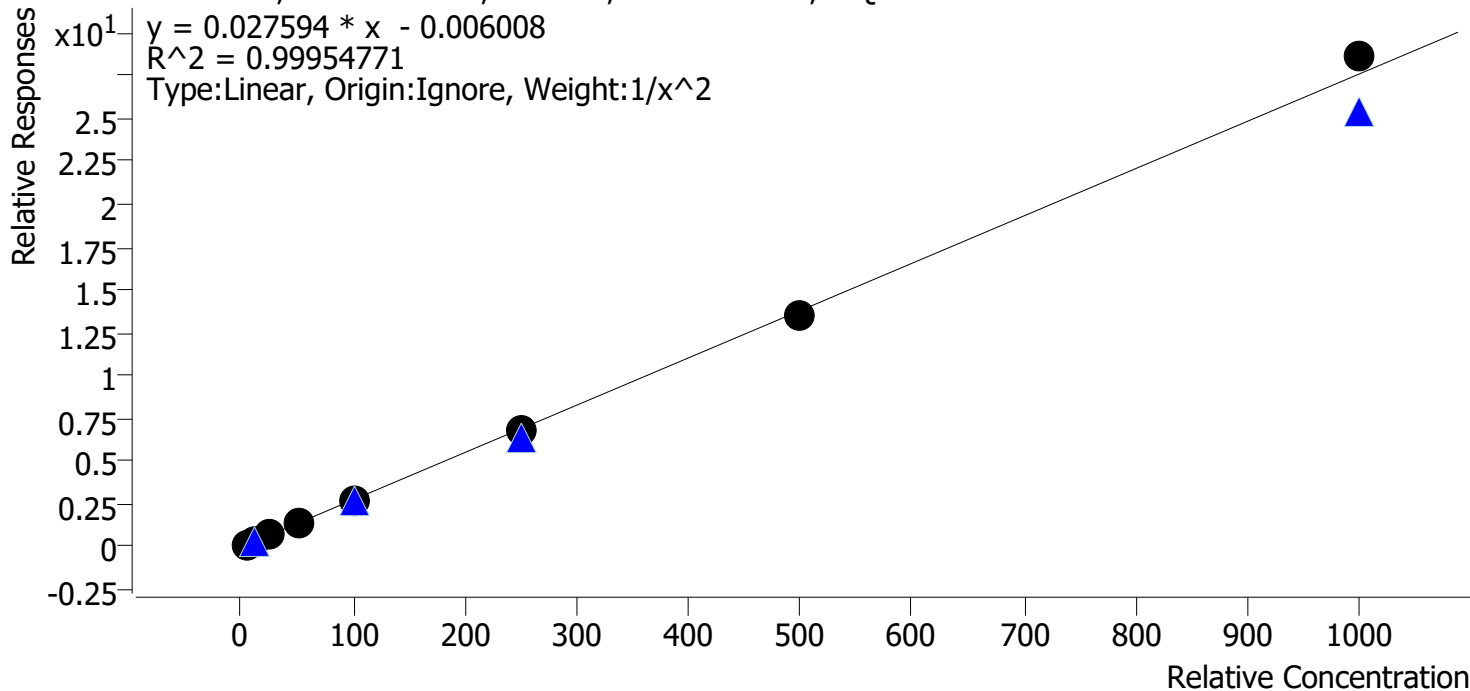
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.5
p1 Cal 2-10ng	2	✓	1.0	1.0	96.4
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.6
p1 Cal 4-50ng	4	✓	5.0	4.9	97.3
p1 Cal 5-100ng	5	✓	10.0	9.6	96.0
p1 Cal 6-250ng	6	✓	25.0	25.1	100.3
p1 Cal 7-500ng	7	✓	50.0	51.5	103.0
p1 Cal 8-1000ng	8	✓	100.0	106.0	106.0



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

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

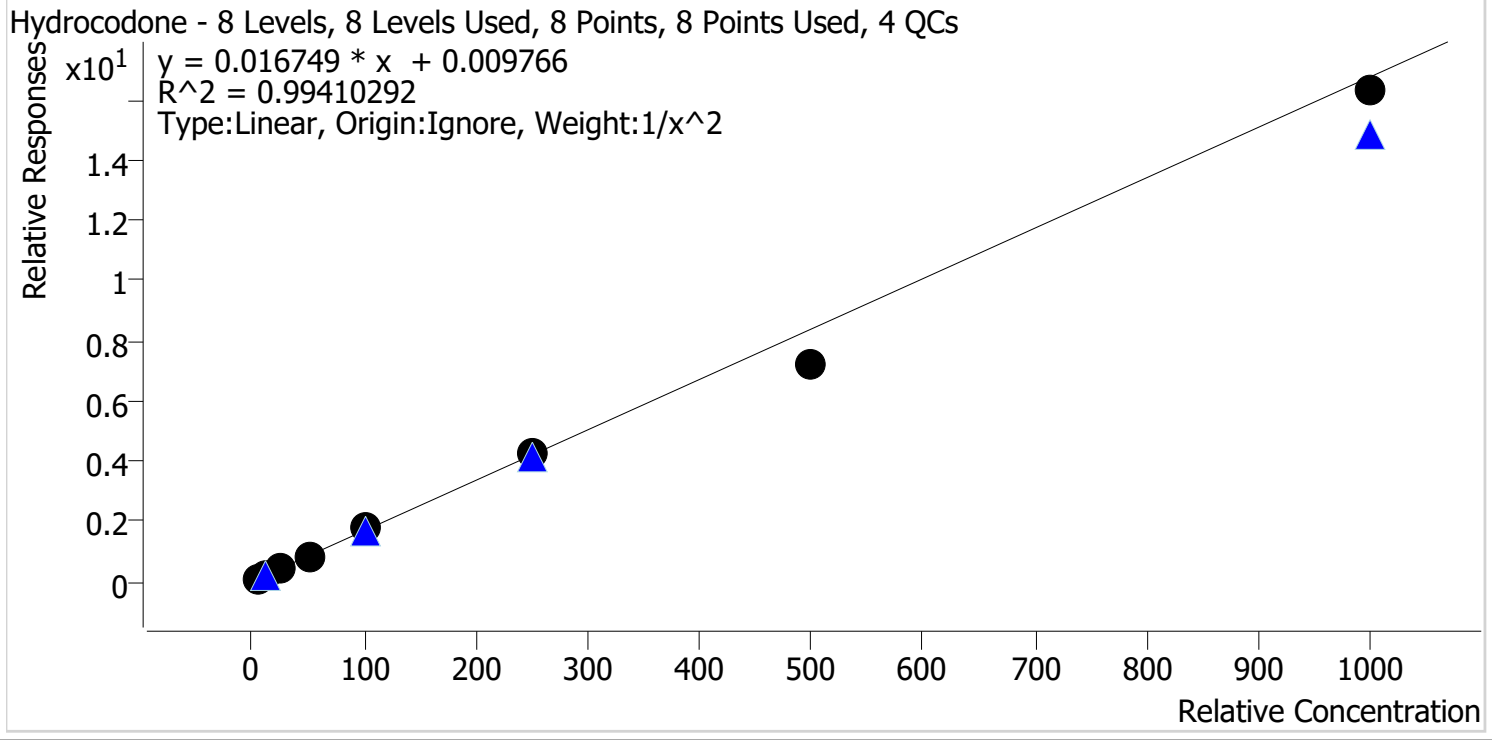


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	486.4	97.3
p1 Cal 8-1000ng	8	✓	1000.0	1036.8	103.7



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



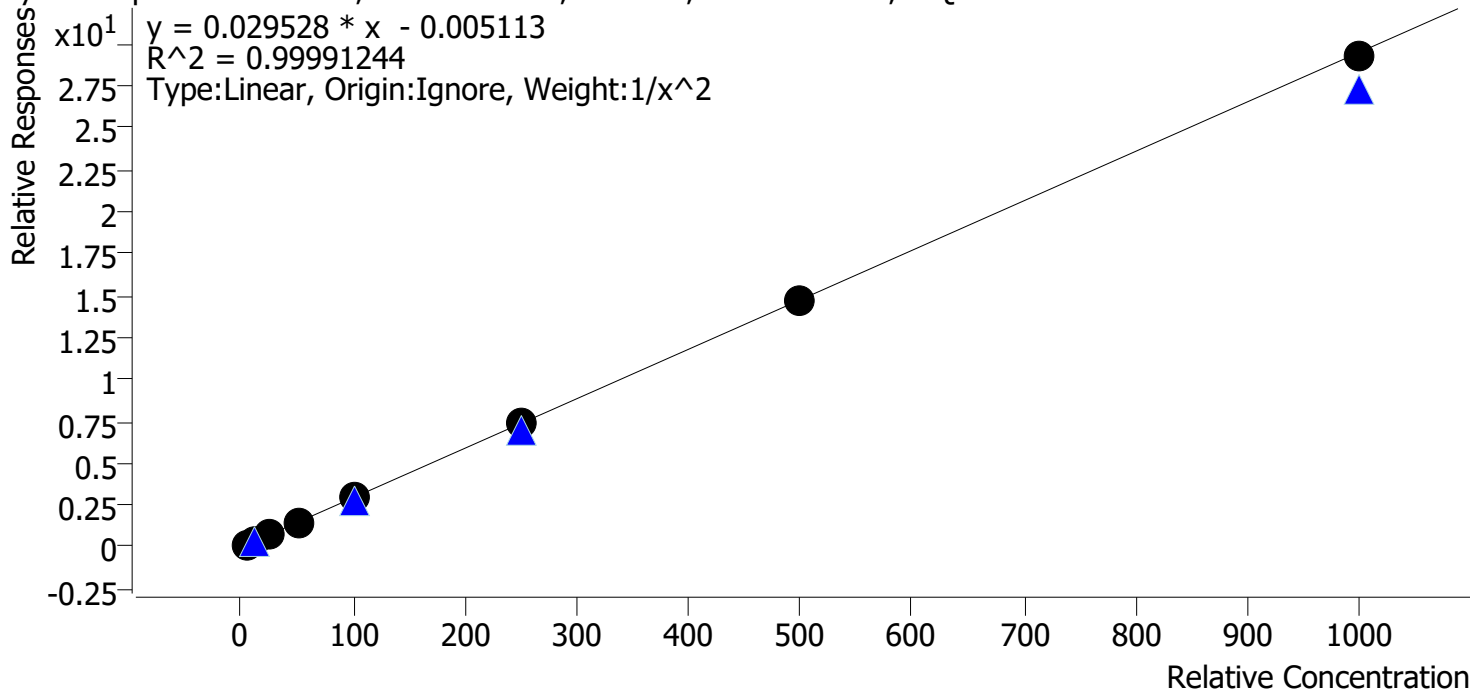
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.9
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	107.0	107.0
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	431.8	86.4
p1 Cal 8-1000ng	8	✓	1000.0	972.8	97.3



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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

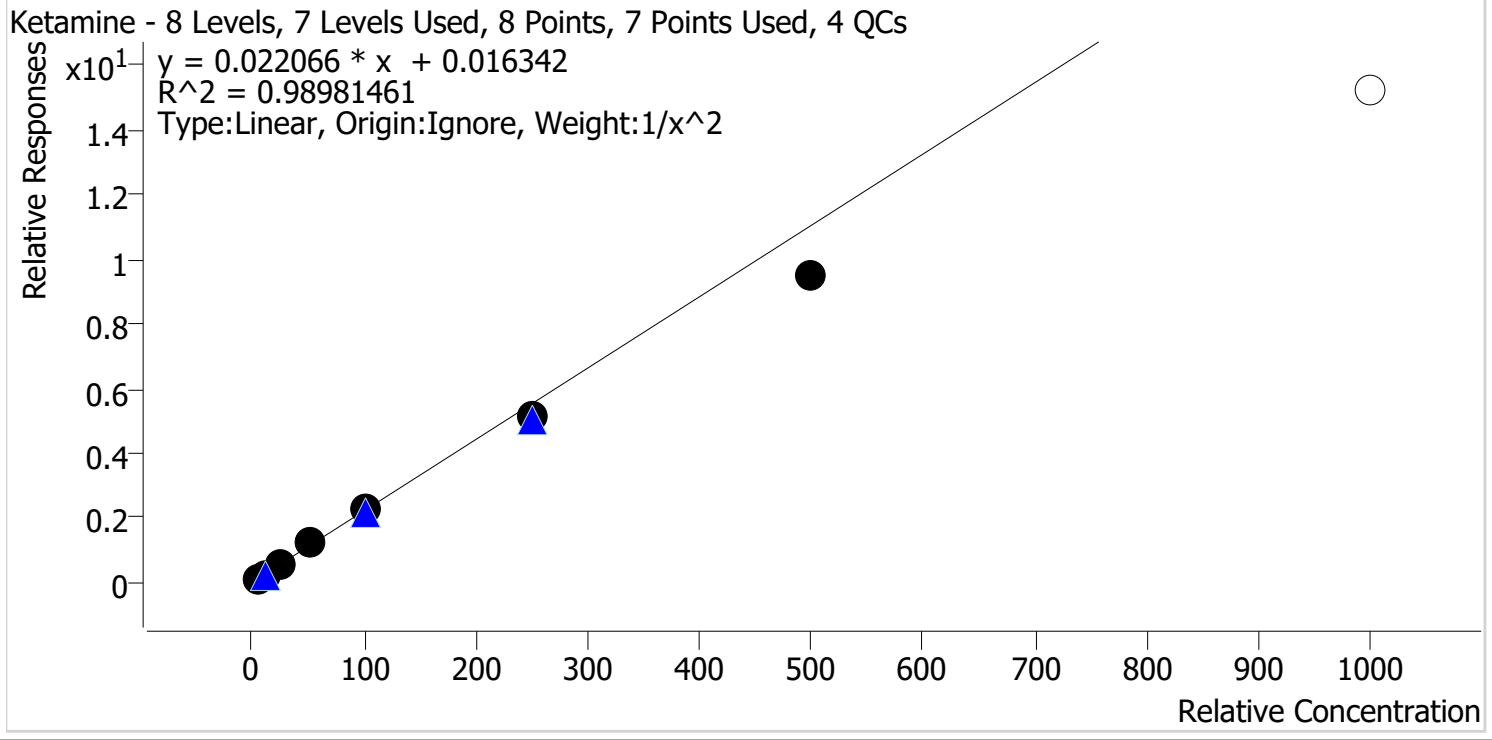


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	991.5	99.2



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

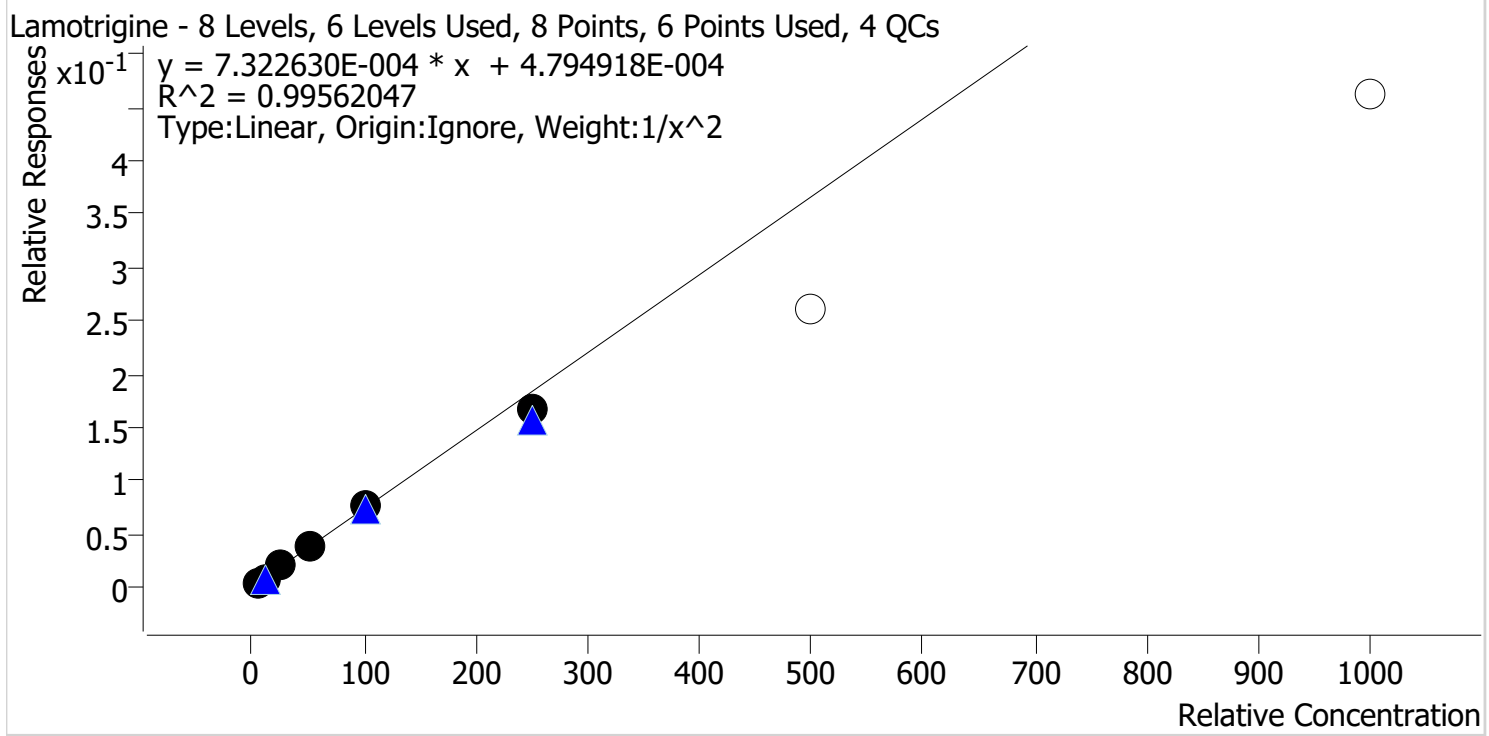


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.8
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	233.5	93.4
p1 Cal 7-500ng	7	✓	500.0	430.0	86.0
p1 Cal 8-1000ng	8	✗	1000.0	688.9	68.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**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	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	52.6	105.1
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	226.3	90.5
p1 Cal 7-500ng	7	✗	500.0	358.0	71.6
p1 Cal 8-1000ng	8	✗	1000.0	630.9	63.1

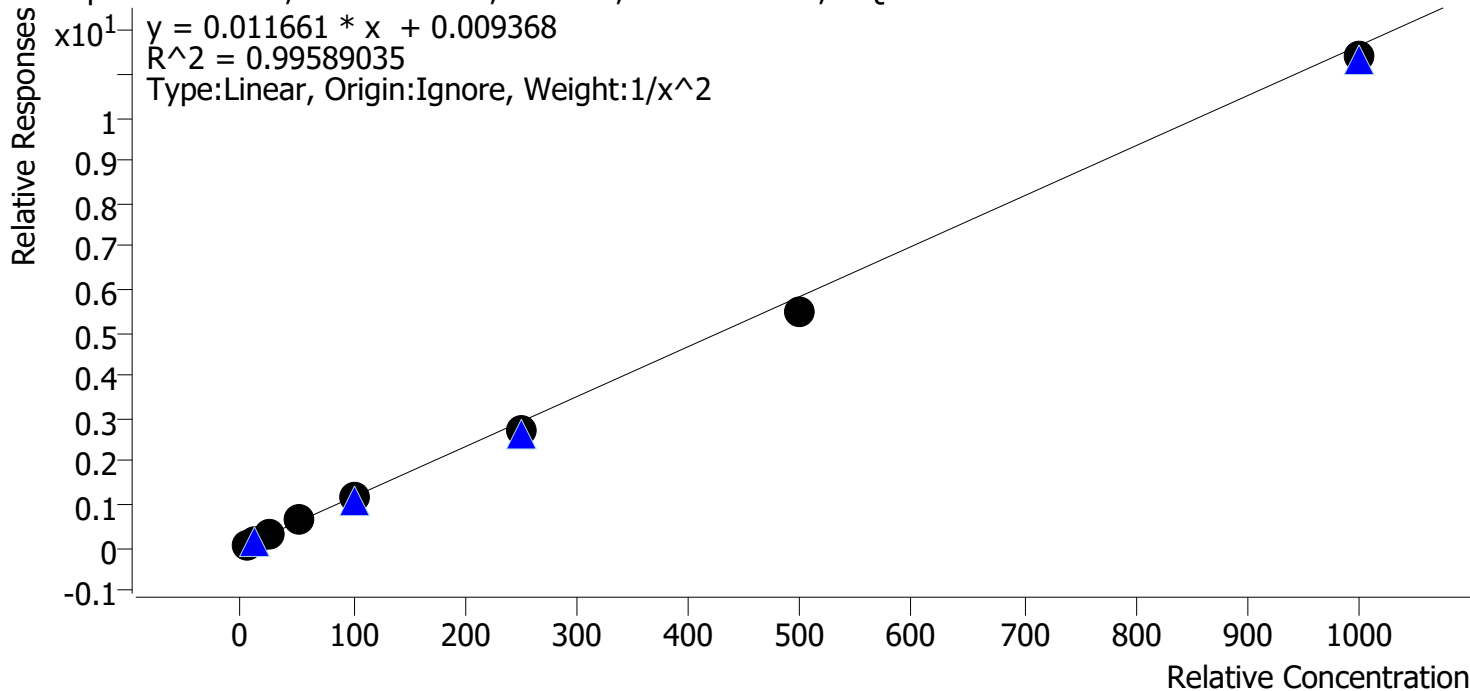
9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5

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



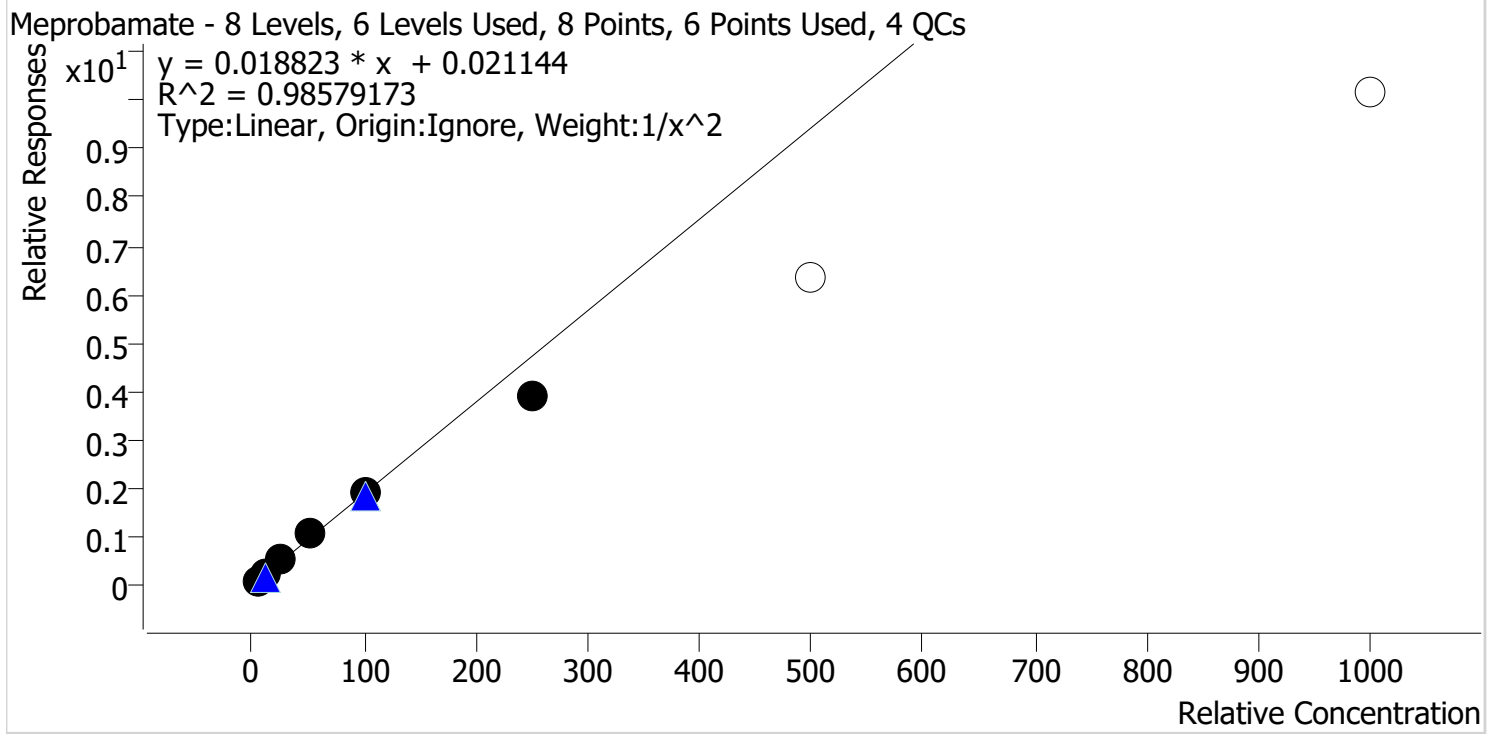
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	234.0	93.6
p1 Cal 7-500ng	7	✓	500.0	468.4	93.7
p1 Cal 8-1000ng	8	✓	1000.0	978.0	97.8





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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



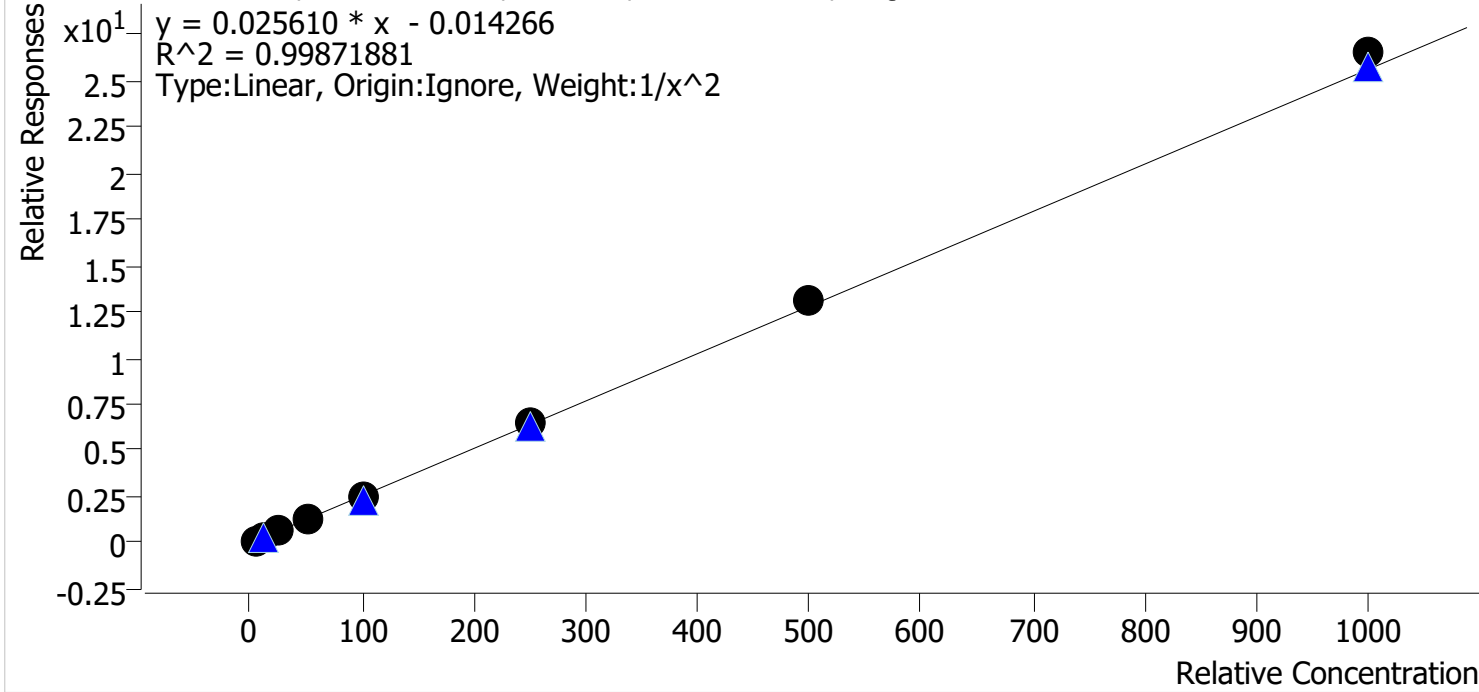
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng	4	✓	50.0	55.2	110.4
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	206.4	82.5
p1 Cal 7-500ng	7	✗	500.0	335.7	67.1
p1 Cal 8-1000ng	8	✗	1000.0	538.3	53.8



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Methadone Internal Standard Methadone-D9

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



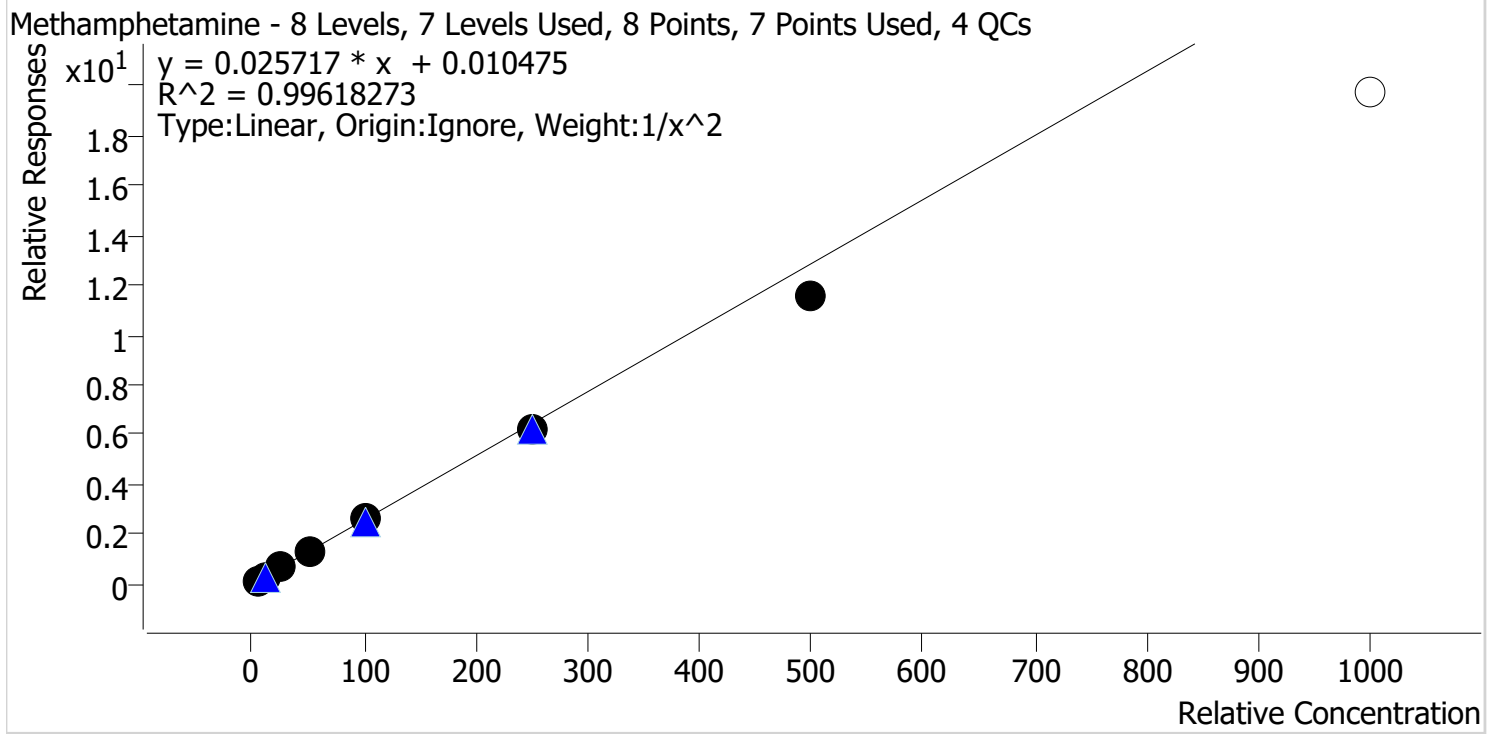
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	513.2	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1035.5	103.6

9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

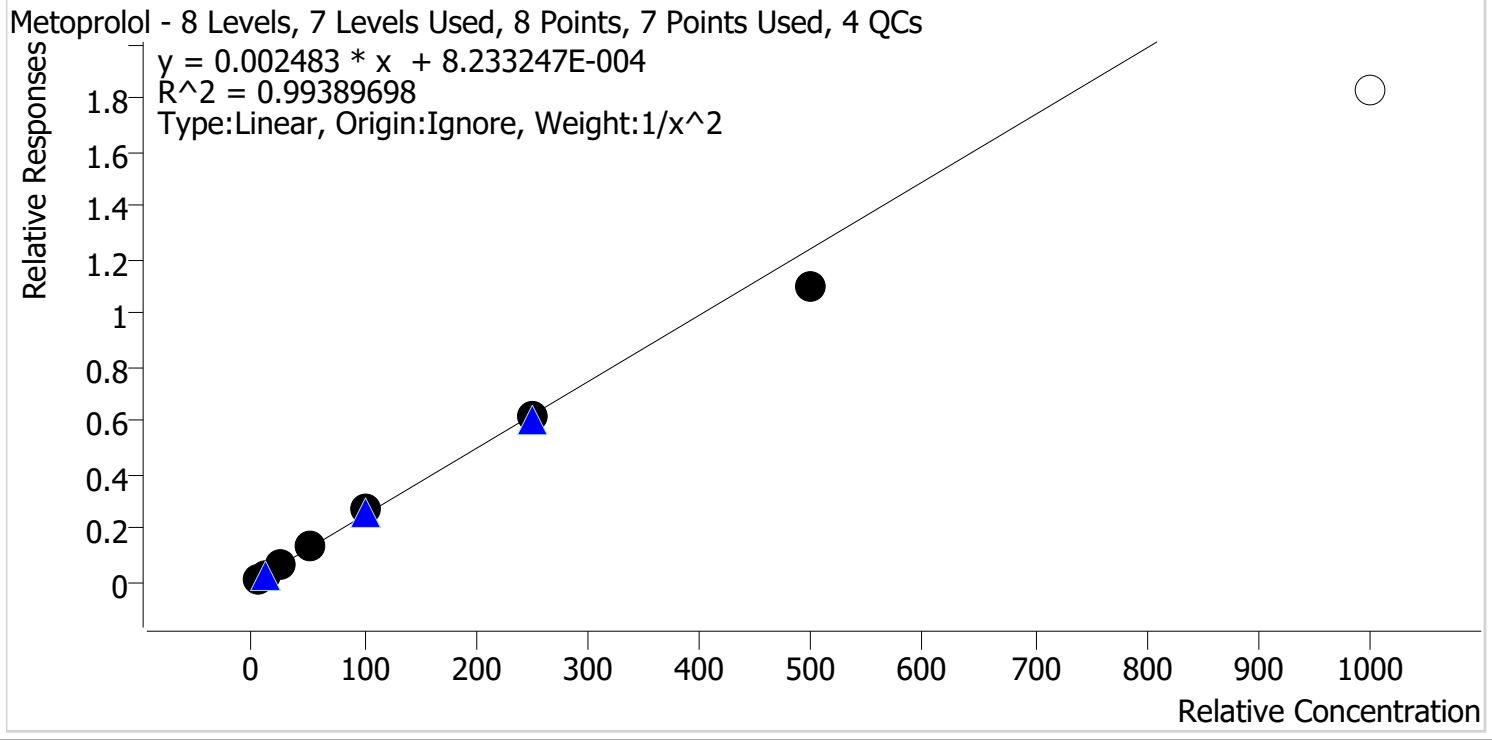


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	242.7	97.1
p1 Cal 7-500ng	7	✓	500.0	452.2	90.4
p1 Cal 8-1000ng	8	✗	1000.0	767.0	76.7



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

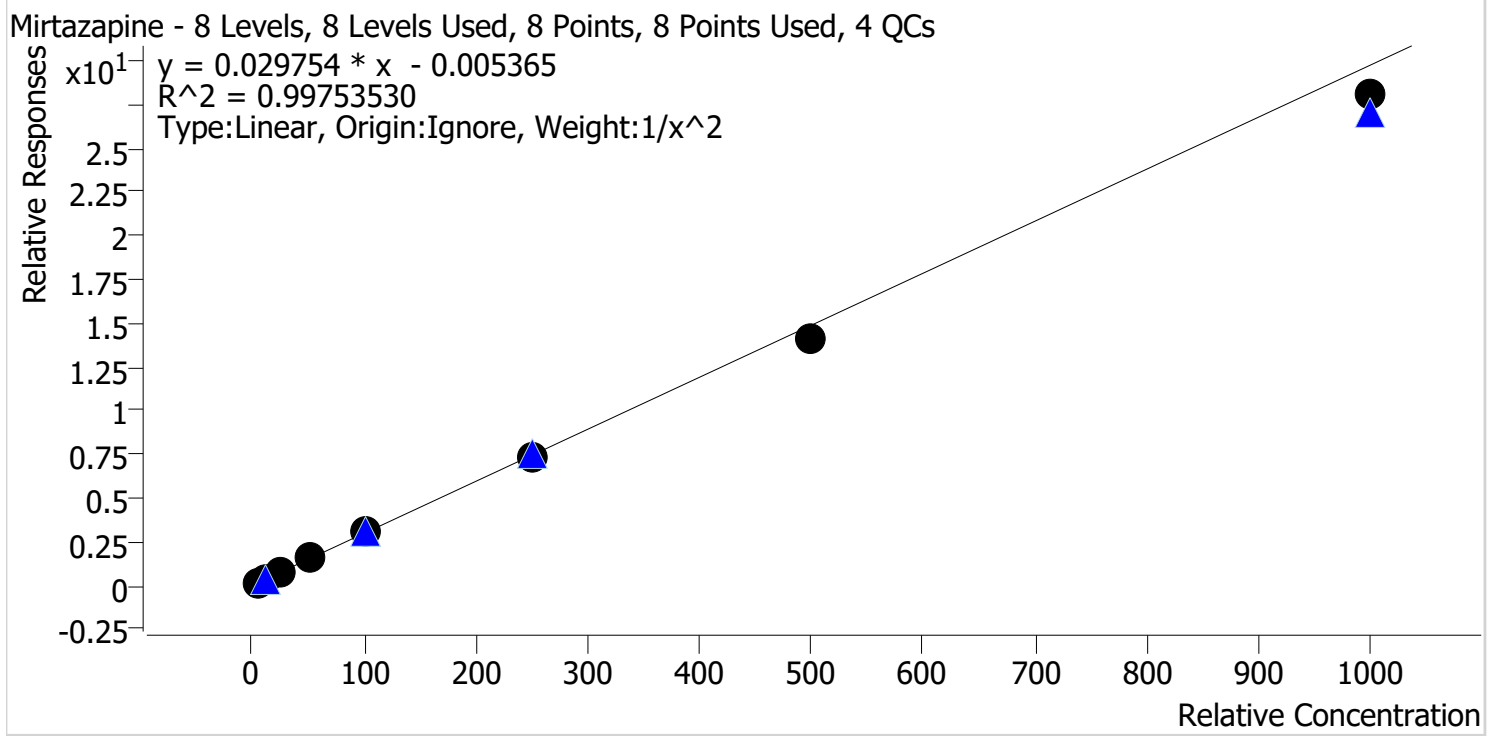


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	108.9	108.9
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	441.2	88.2
p1 Cal 8-1000ng	8	✗	1000.0	736.3	73.6



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Mirtazapine Internal Standard alpha-PVP-D8

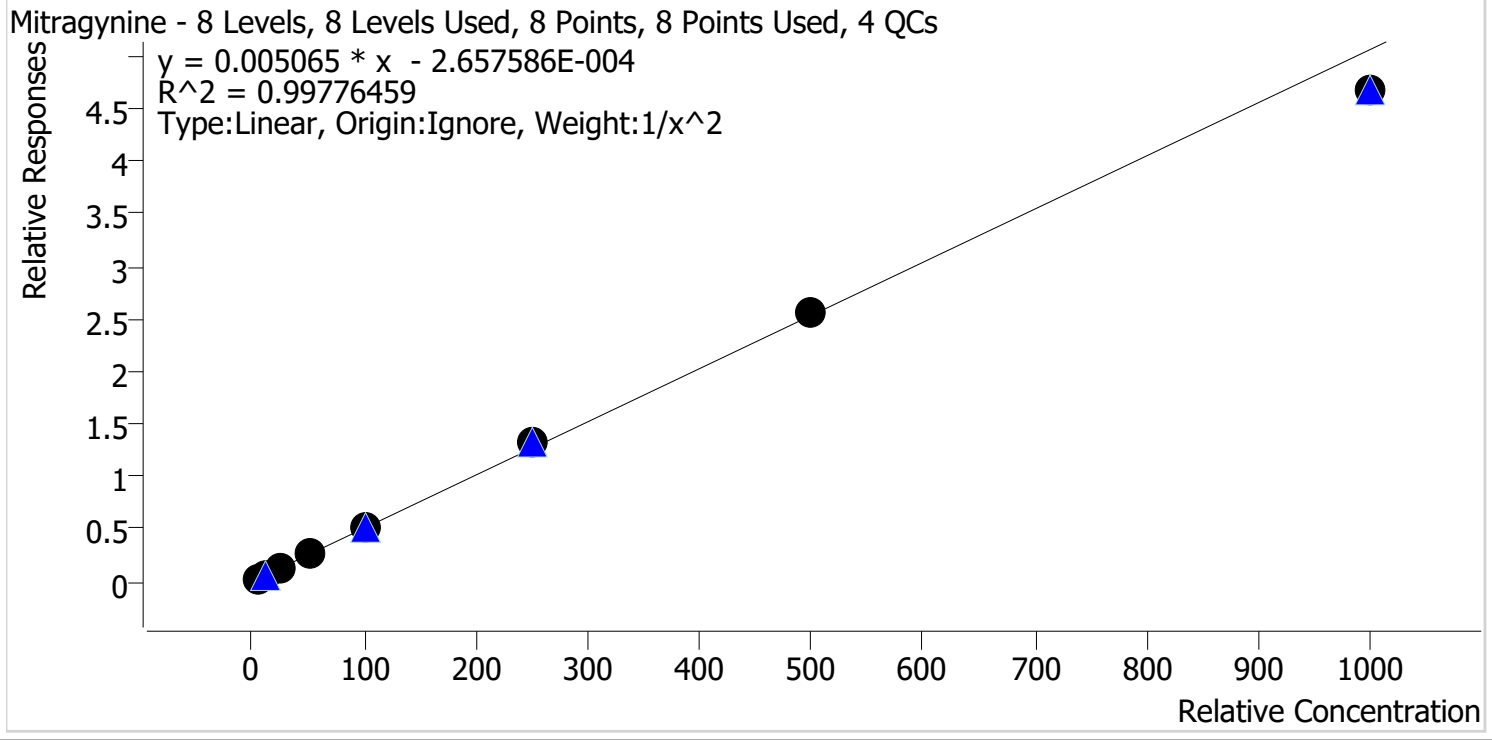


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	474.6	94.9
p1 Cal 8-1000ng	8	✓	1000.0	943.5	94.3



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9

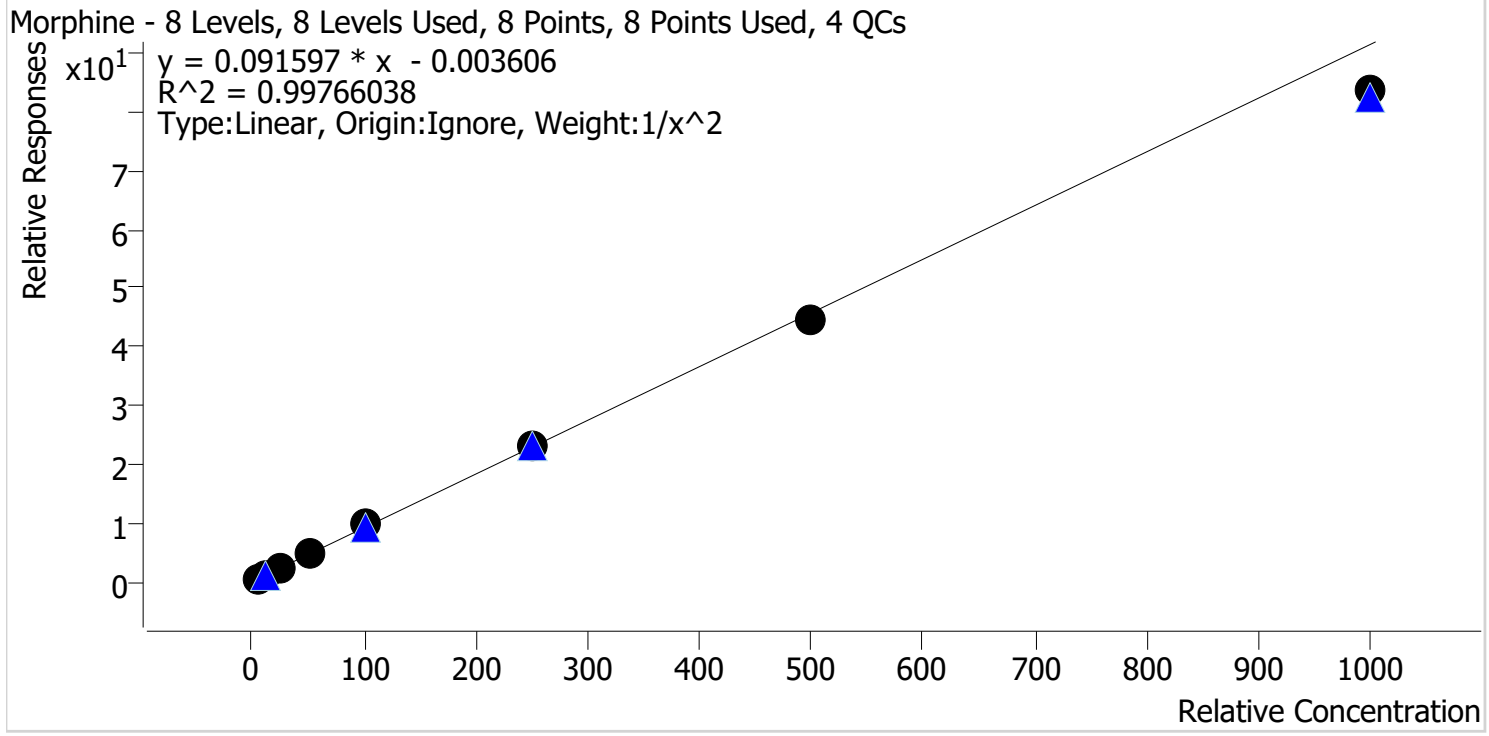


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	262.4	104.9
p1 Cal 7-500ng	7	✓	500.0	507.2	101.4
p1 Cal 8-1000ng	8	✓	1000.0	922.8	92.3



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Morphine Internal Standard Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	489.7	97.9
p1 Cal 8-1000ng	8	✓	1000.0	914.1	91.4

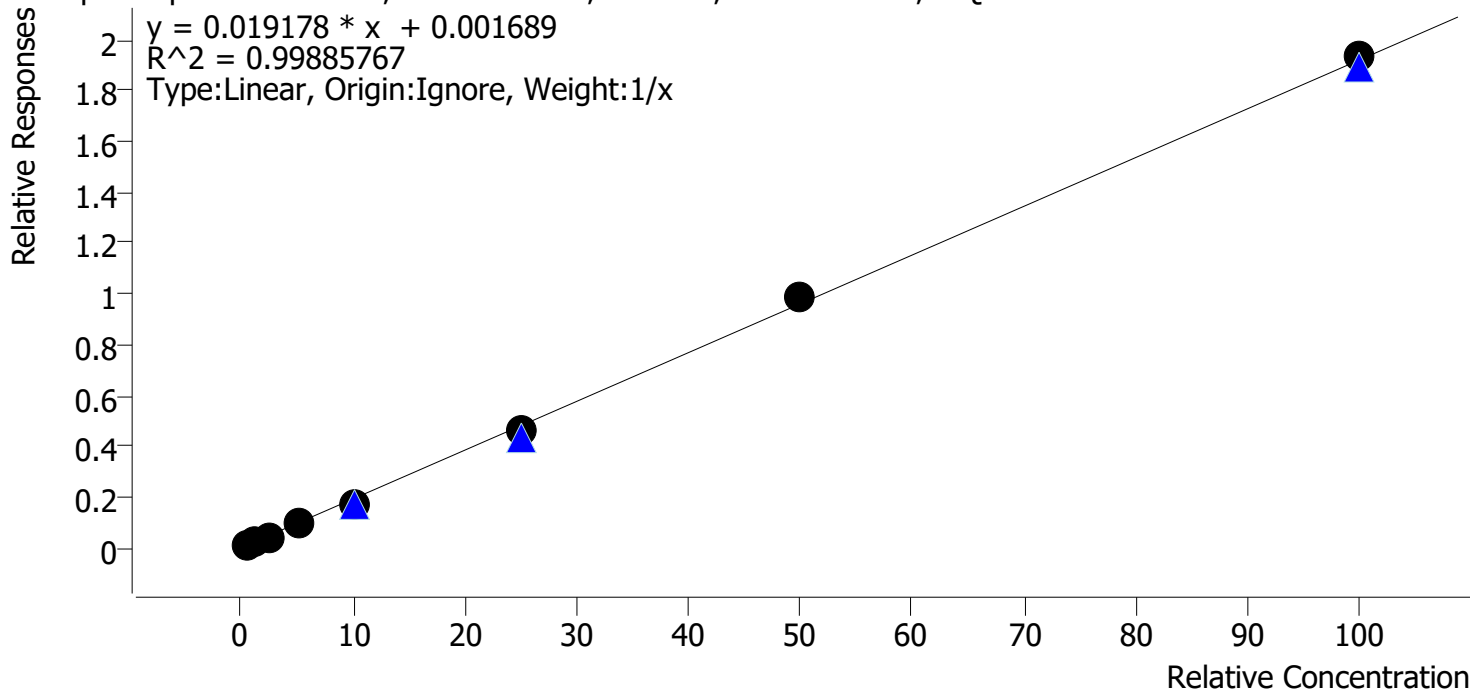
9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.6	118.0
p1 Cal 2-10ng	2	✓	1.0	1.0	103.5
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.7
p1 Cal 4-50ng	4	✓	5.0	4.7	94.6
p1 Cal 5-100ng	5	✓	10.0	9.2	91.7
p1 Cal 6-250ng	6	✓	25.0	24.0	96.0
p1 Cal 7-500ng	7	✓	50.0	51.5	102.9
p1 Cal 8-1000ng	8	✓	100.0	100.7	100.7



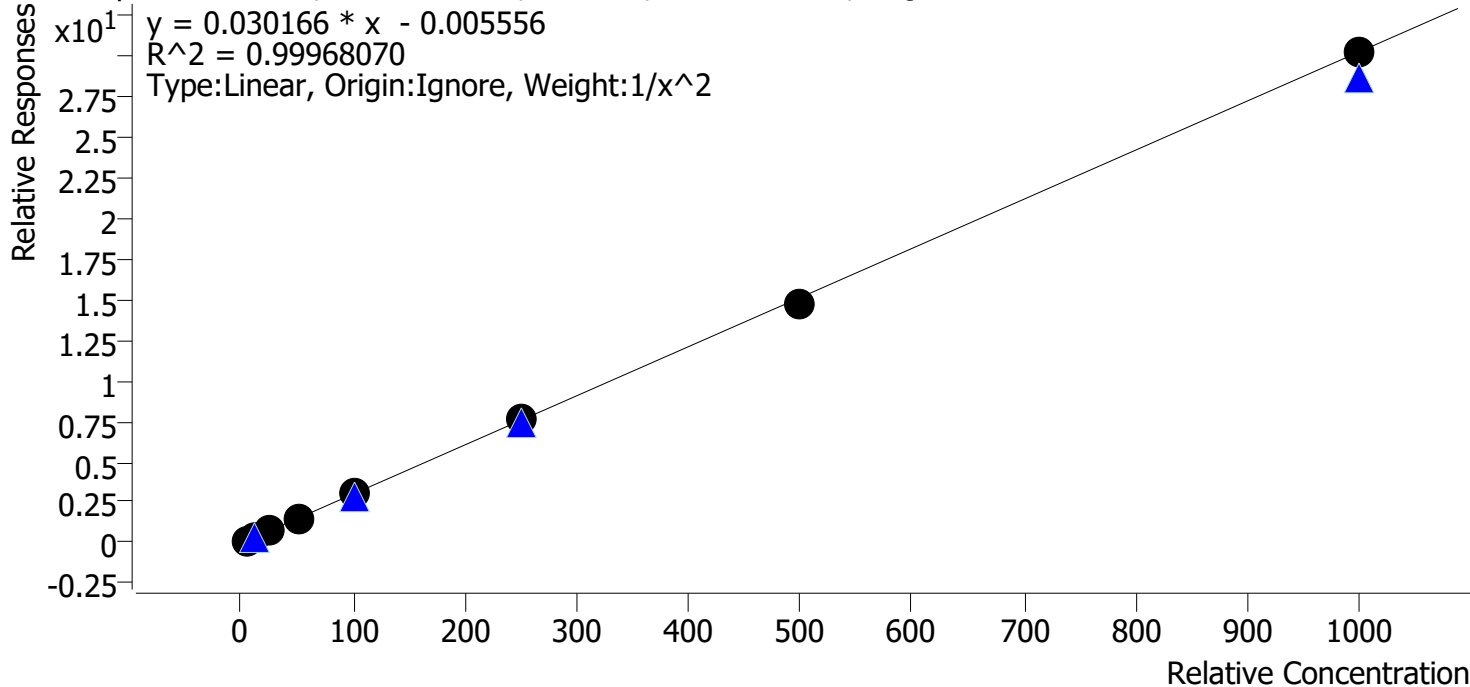
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5

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



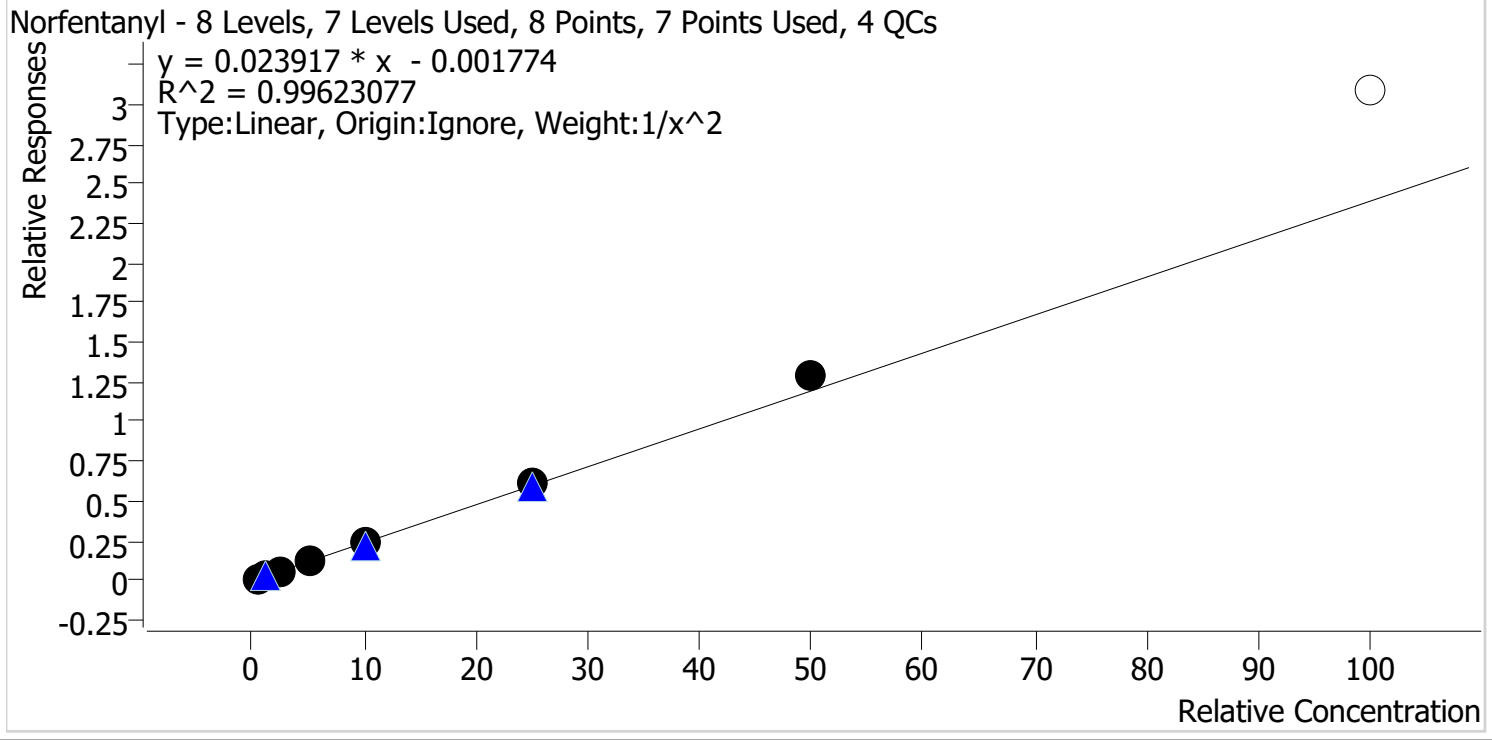
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	483.2	96.6
p1 Cal 8-1000ng	8	✓	1000.0	998.5	99.8

9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl Internal Standard Norfentanyl-D5

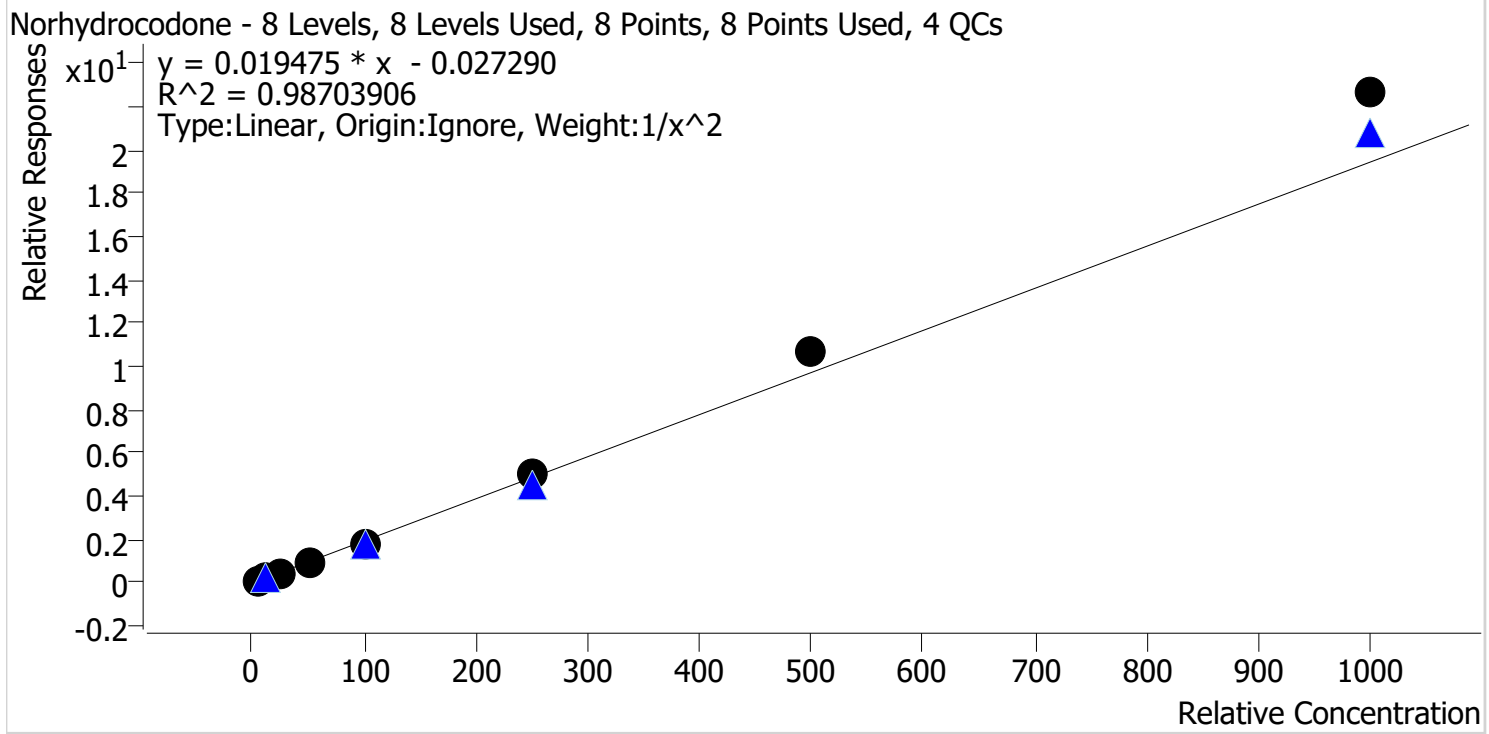


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.4
p1 Cal 2-10ng	2	✓	1.0	1.0	96.7
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.8
p1 Cal 4-50ng	4	✓	5.0	4.9	98.7
p1 Cal 5-100ng	5	✓	10.0	9.9	98.6
p1 Cal 6-250ng	6	✓	25.0	25.8	103.1
p1 Cal 7-500ng	7	✓	50.0	53.8	107.7
p1 Cal 8-1000ng	8	✗	100.0	128.9	128.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

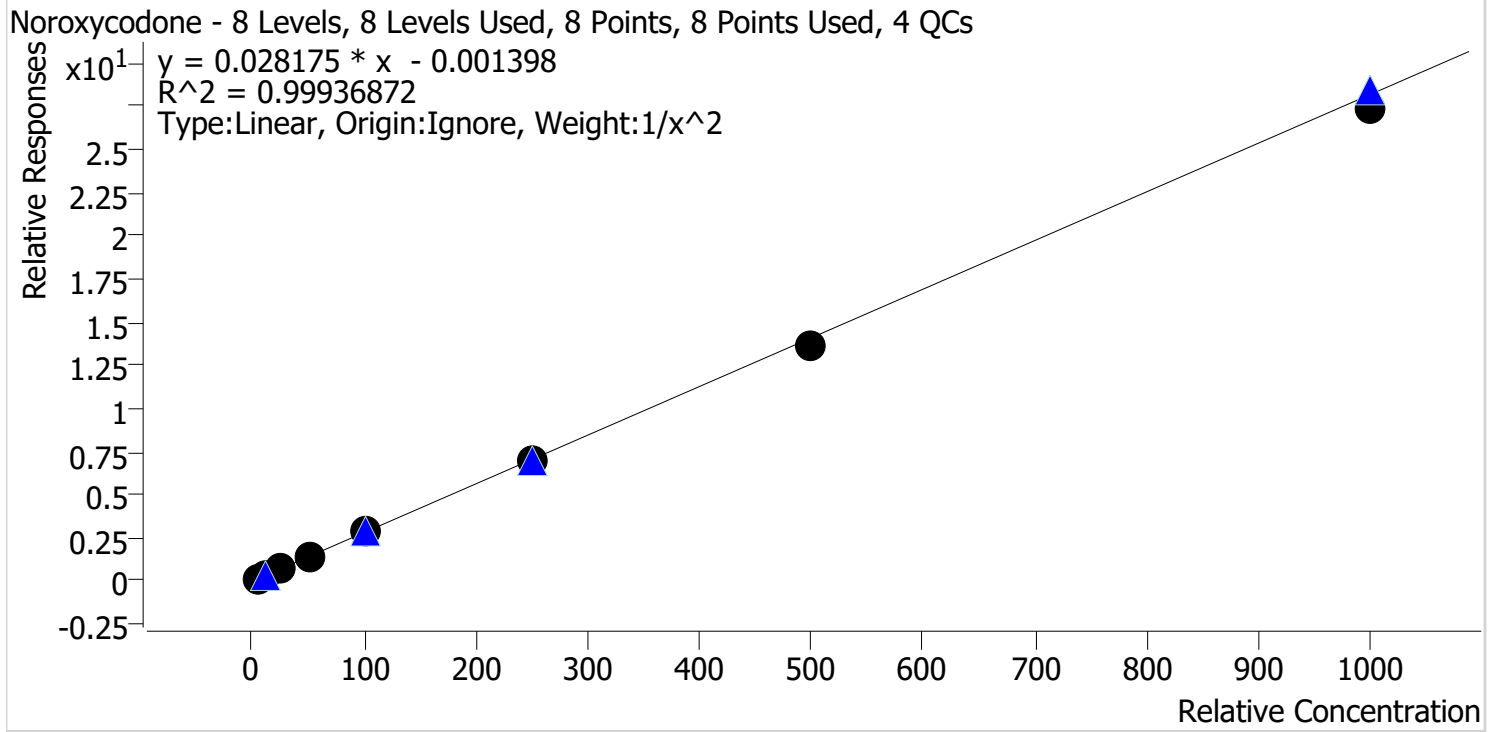


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.8
p1 Cal 2-10ng	2	✓	10.0	9.5	94.7
p1 Cal 3 -25ng	3	✓	25.0	22.5	90.1
p1 Cal 4-50ng	4	✓	50.0	45.1	90.2
p1 Cal 5-100ng	5	✓	100.0	91.3	91.3
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	545.7	109.1
p1 Cal 8-1000ng	8	✓	1000.0	1165.2	116.5



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

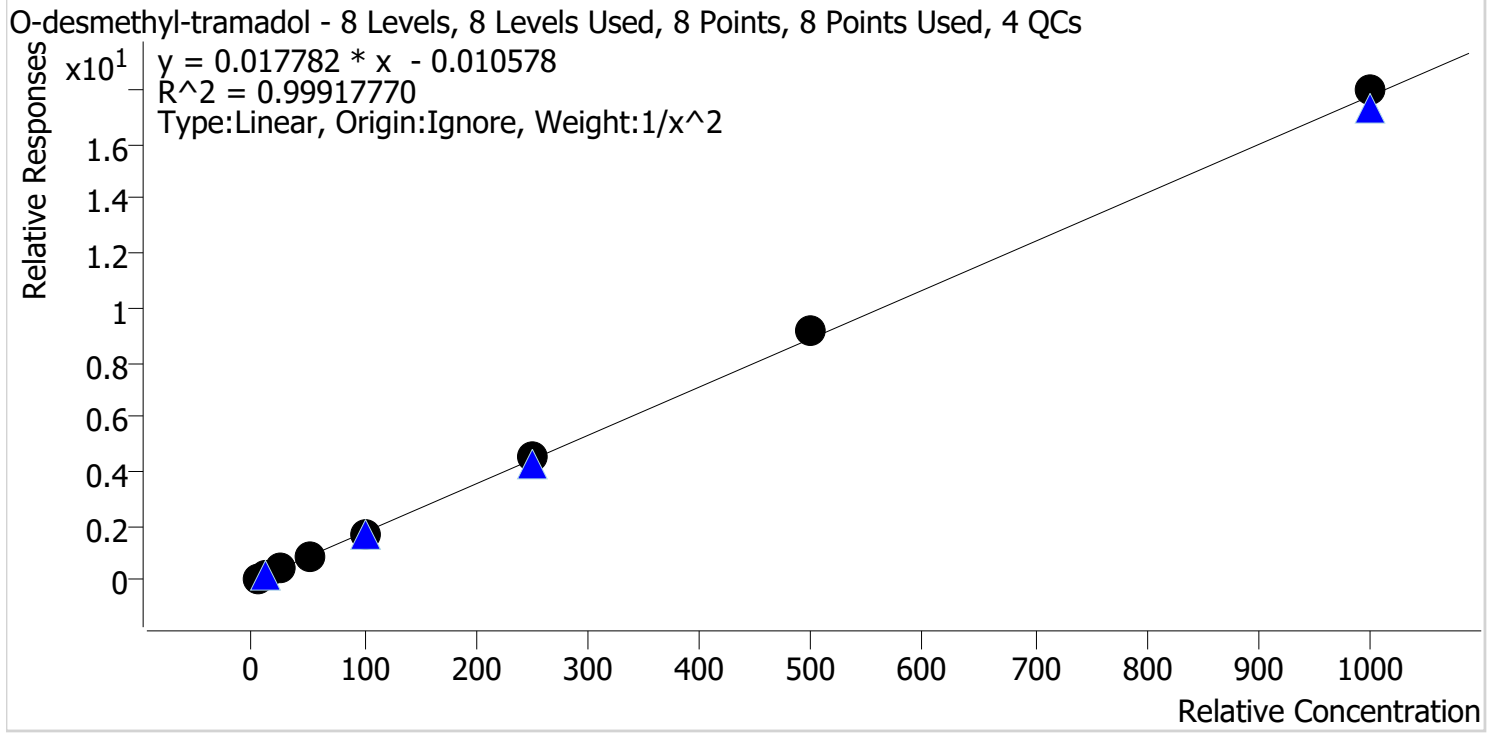


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	51.4	102.9
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	484.1	96.8
p1 Cal 8-1000ng	8	✓	1000.0	974.6	97.5



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



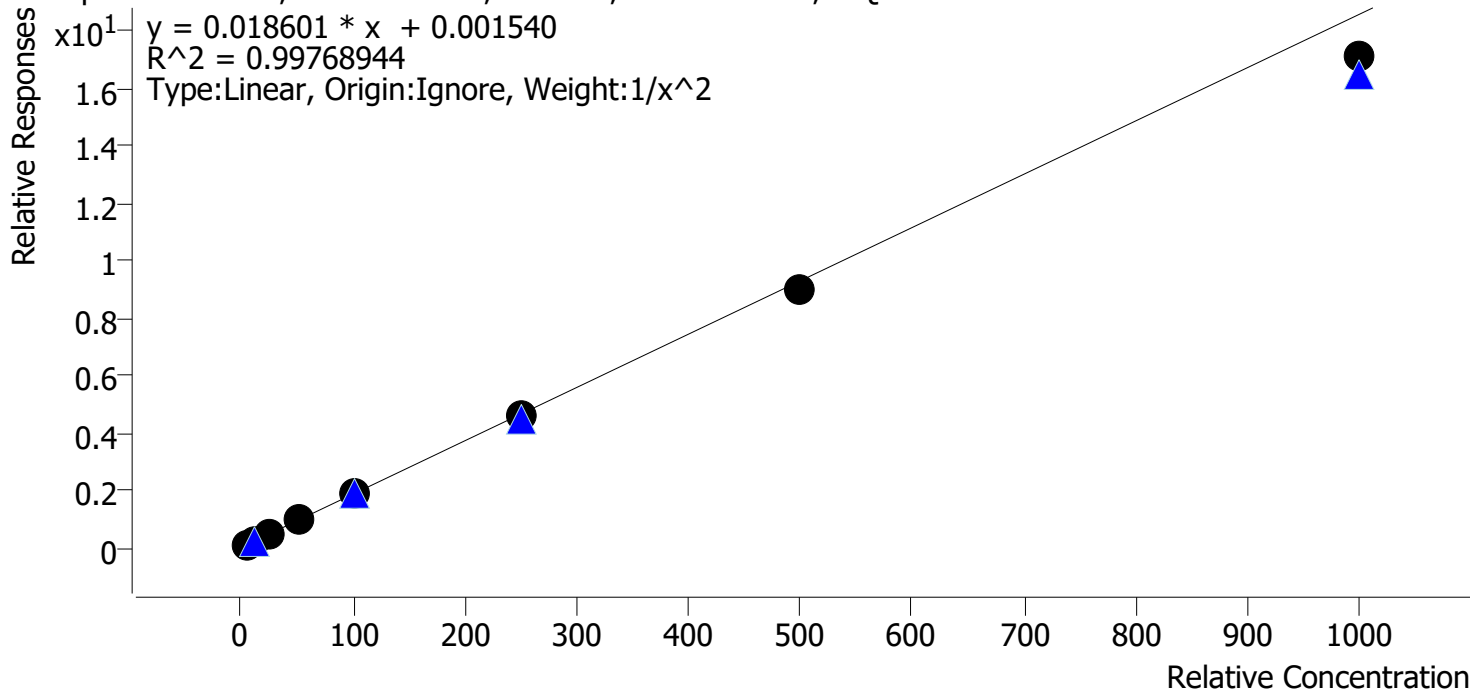
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	517.9	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1012.1	101.2



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

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



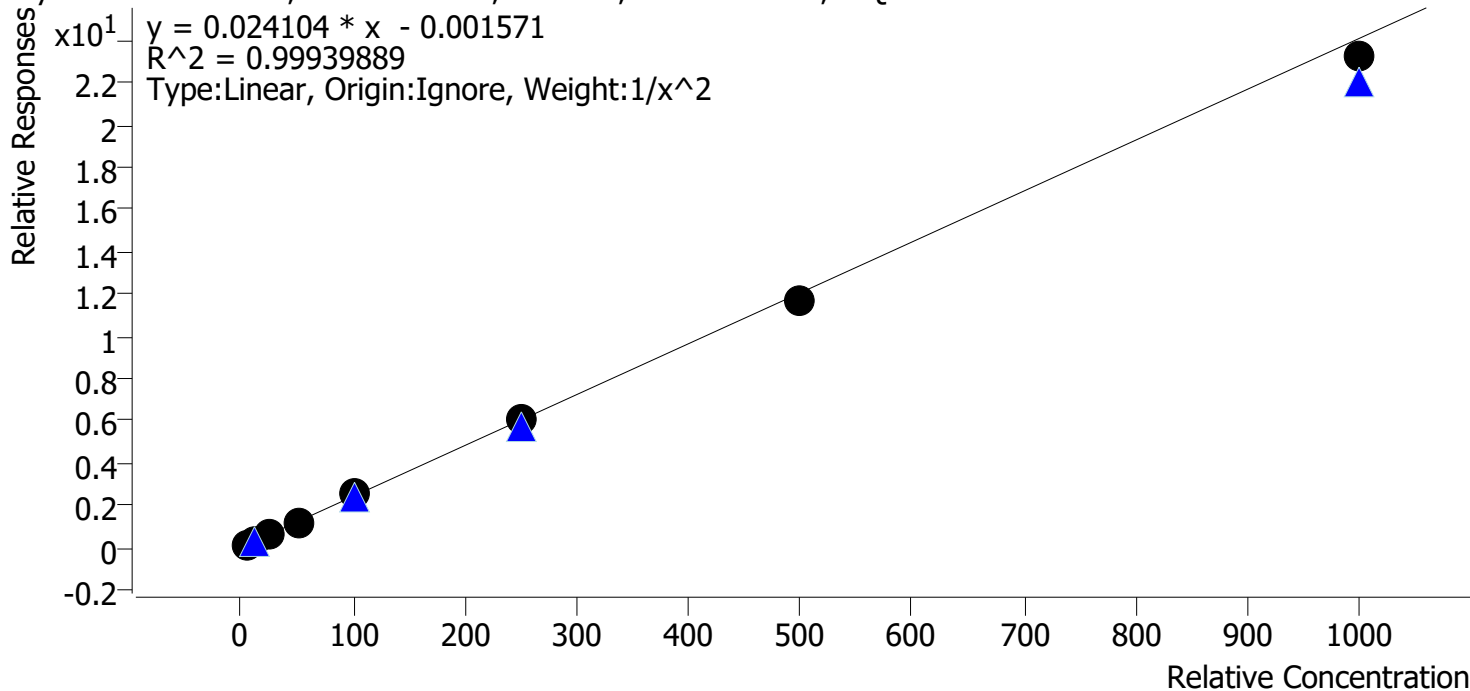
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.4
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	485.2	97.0
p1 Cal 8-1000ng	8	✓	1000.0	920.8	92.1



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Oxycodone Internal Standard Oxycodone-D6

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

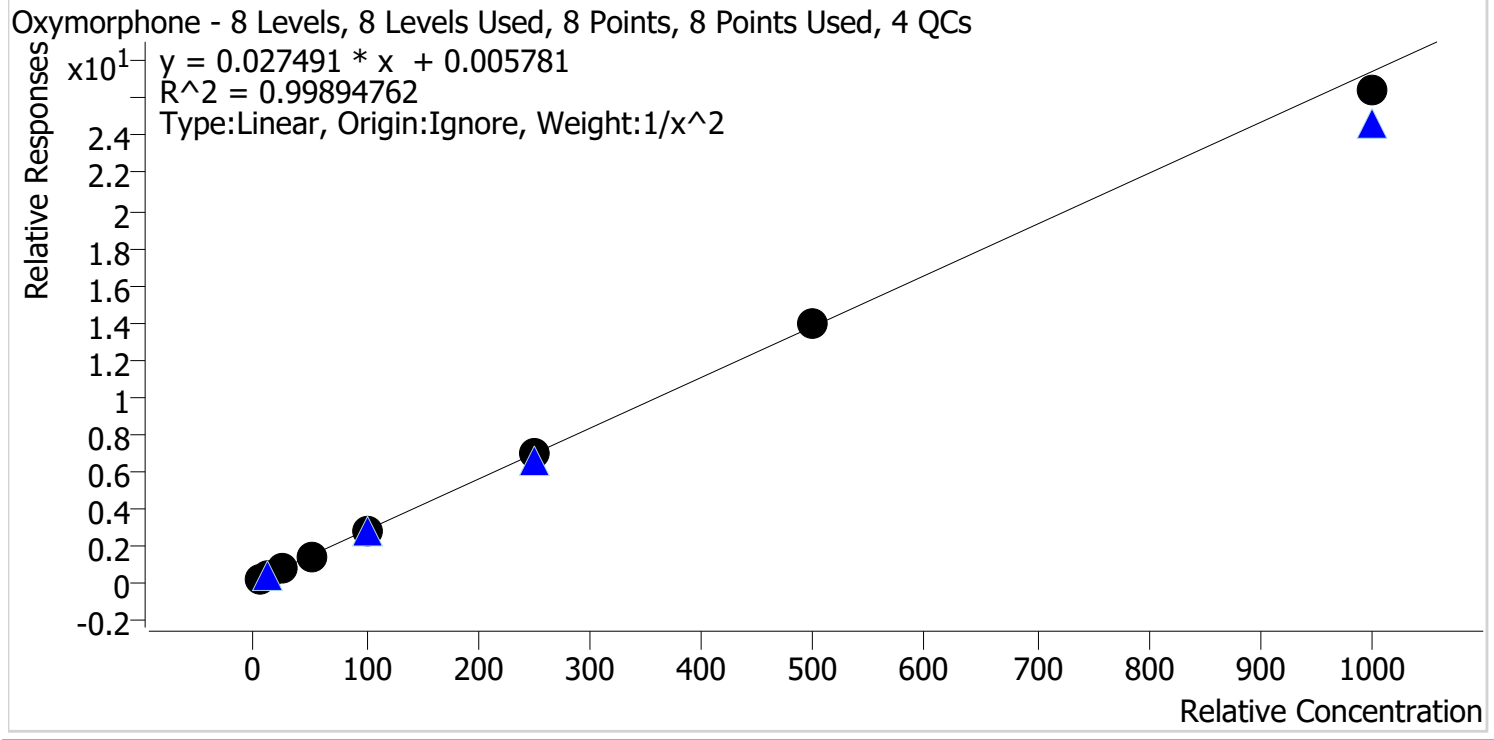


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	50.8	101.7
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	488.0	97.6
p1 Cal 8-1000ng	8	✓	1000.0	964.3	96.4



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



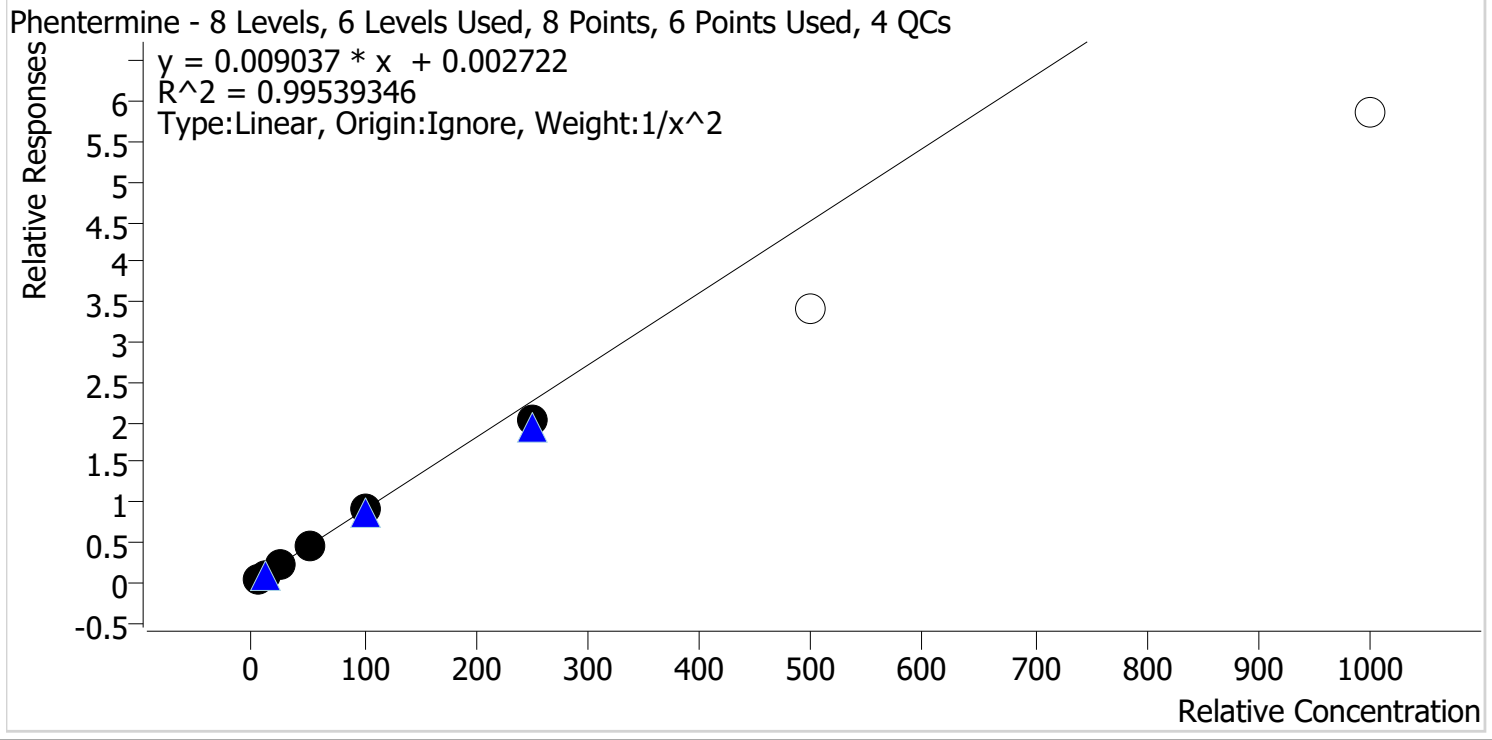
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	505.5	101.1
p1 Cal 8-1000ng	8	✓	1000.0	962.4	96.2





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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Phentermine Internal Standard Phentermine-D5

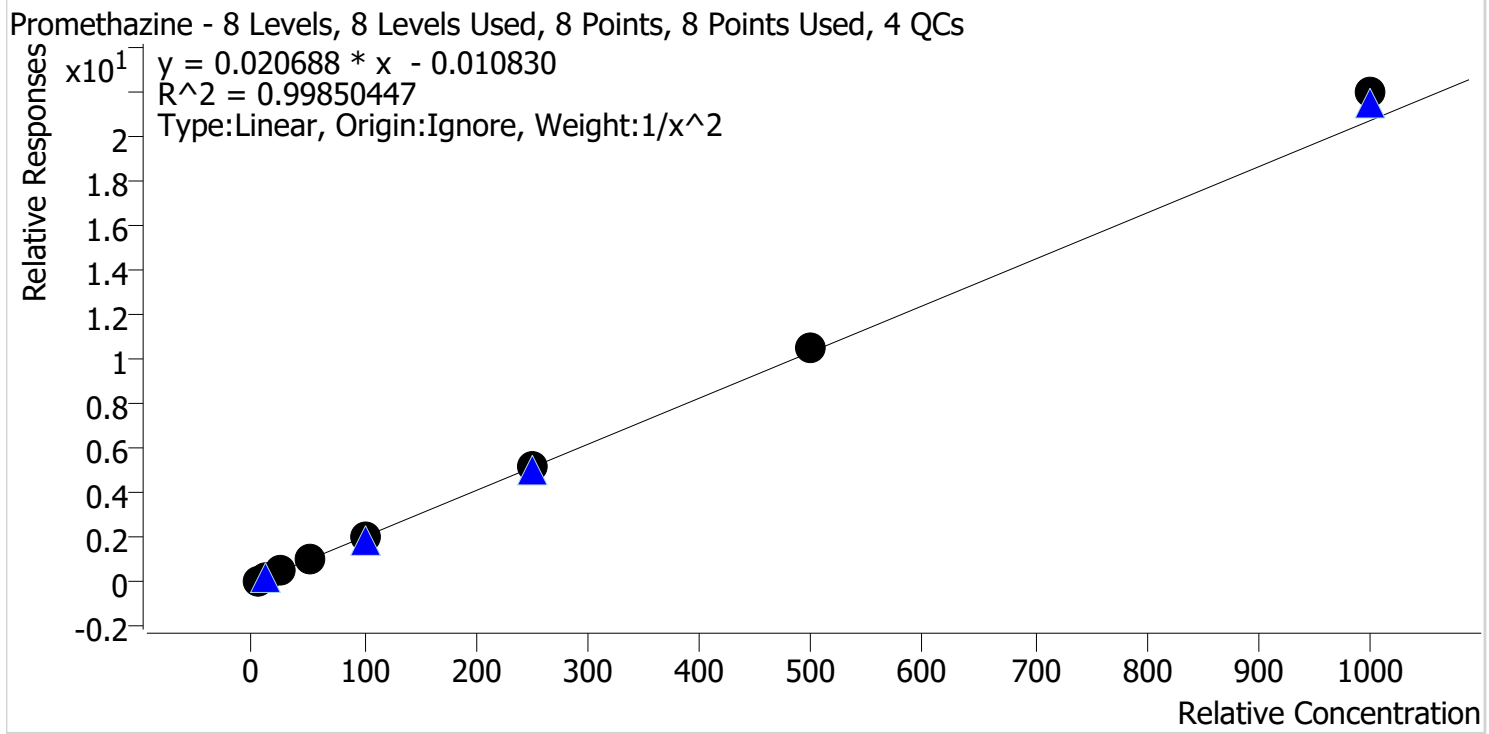


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	225.4	90.1
p1 Cal 7-500ng	7	x	500.0	376.0	75.2
p1 Cal 8-1000ng	8	x	1000.0	648.0	64.8



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



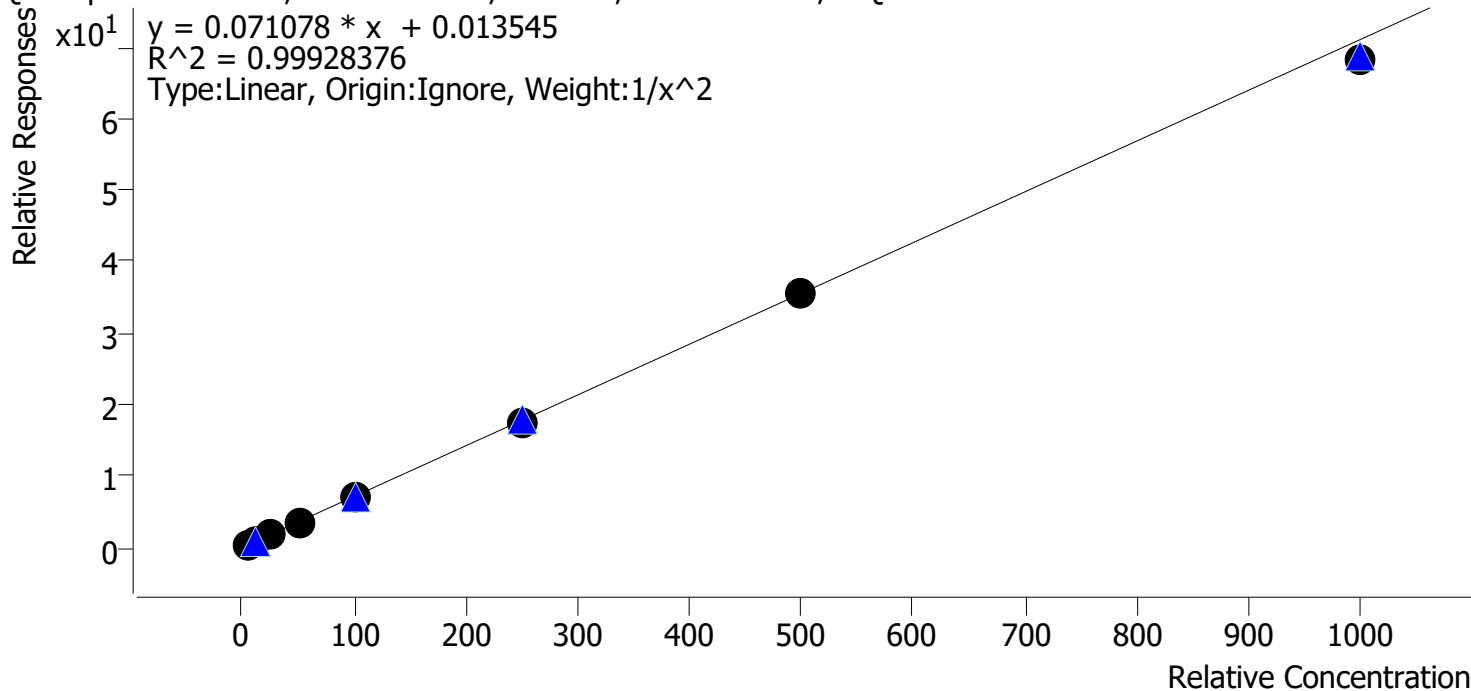
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	48.4	96.9
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1060.6	106.1



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

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

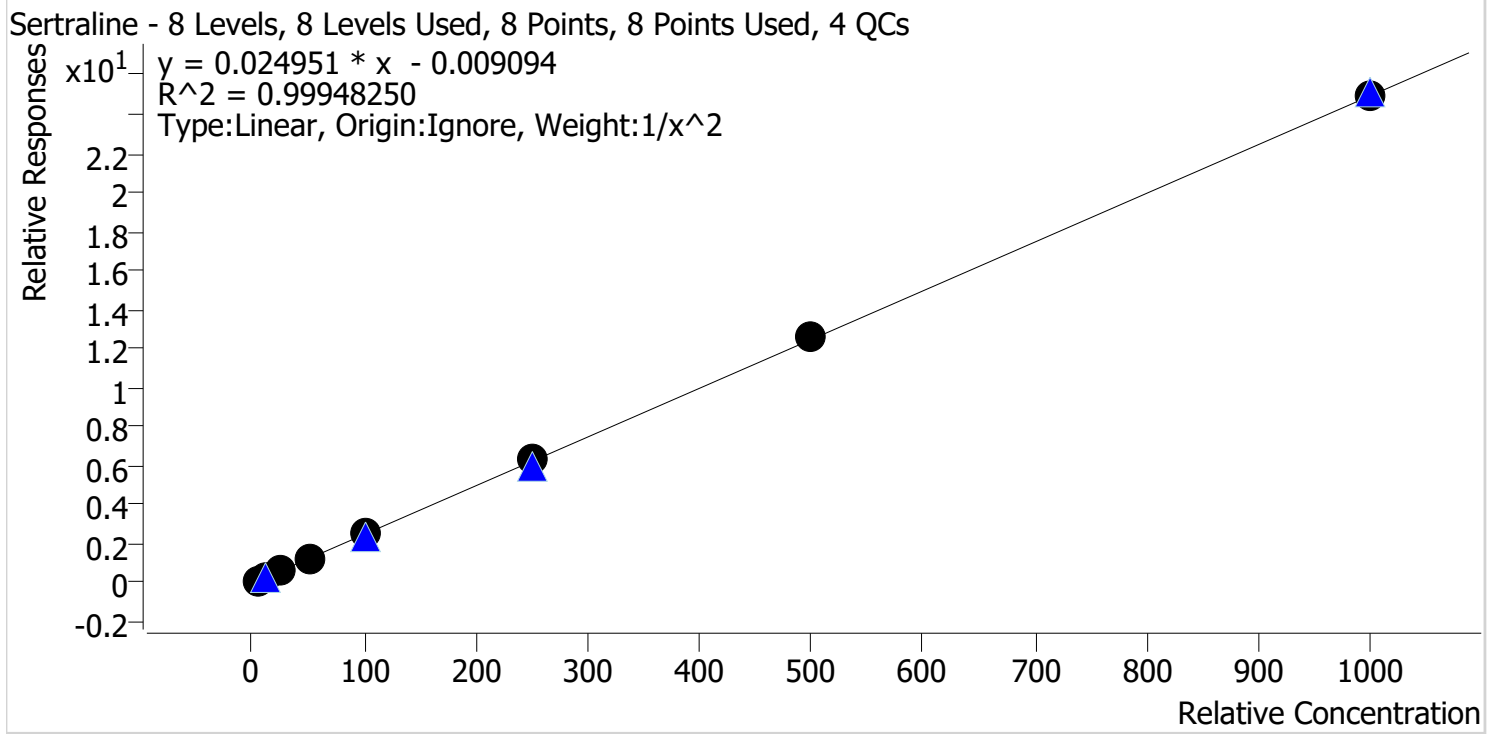


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	498.1	99.6
p1 Cal 8-1000ng	8	✓	1000.0	959.3	95.9



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

Batch results D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 4/19/2024 9:02 AM  
 Analyst Name ISP\datastor  
 Analyte Sertraline Internal Standard Sertraline-D3

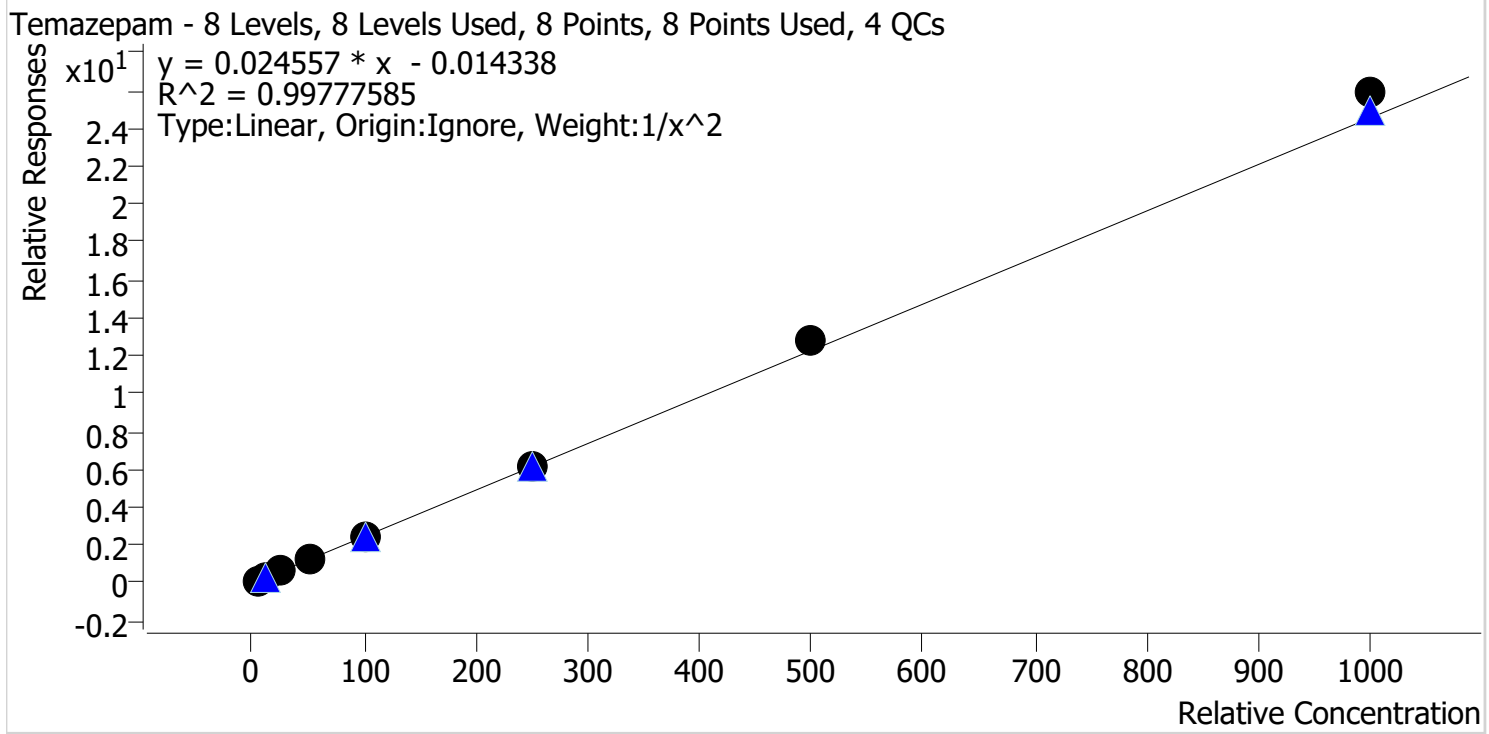


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	509.4	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1003.3	100.3



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

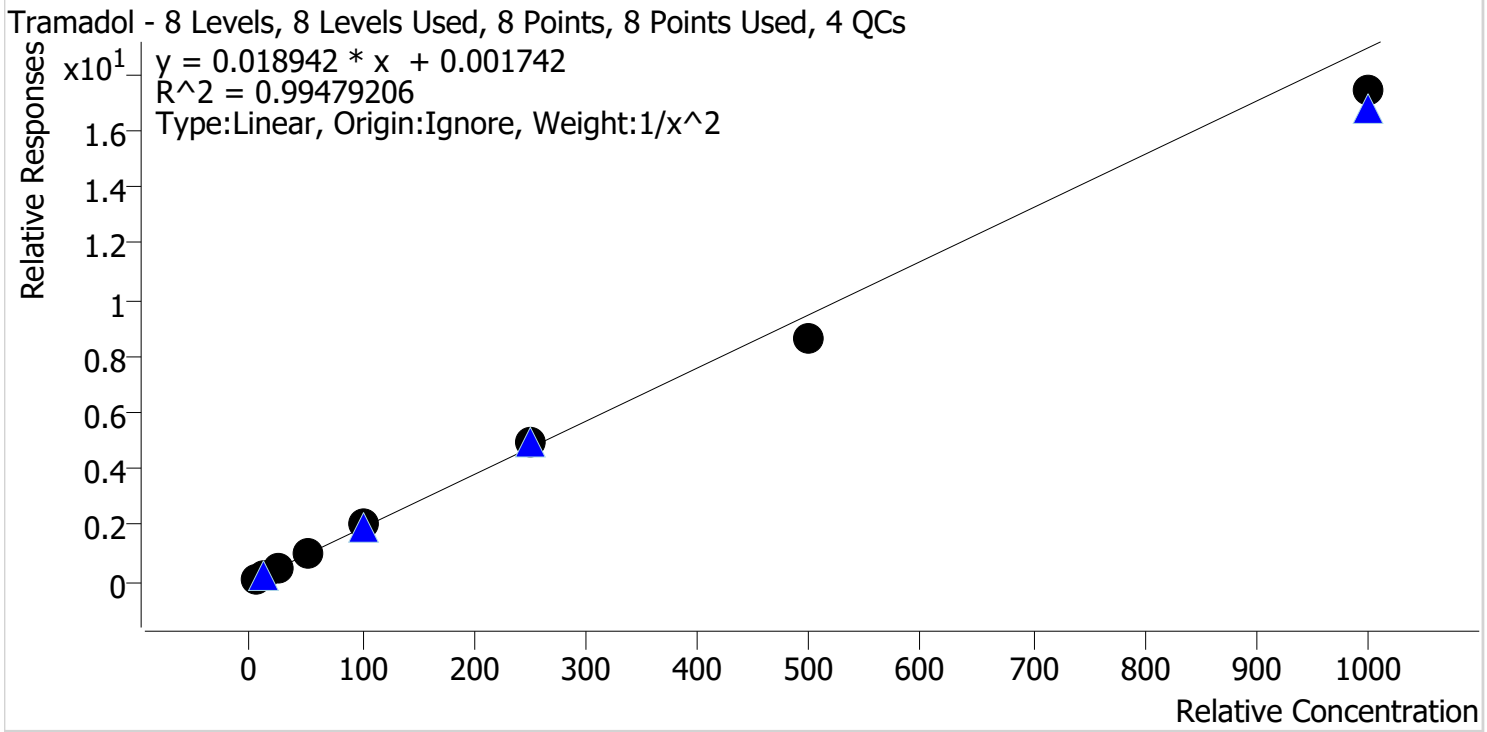


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.5	95.4
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	522.7	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1054.6	105.5



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

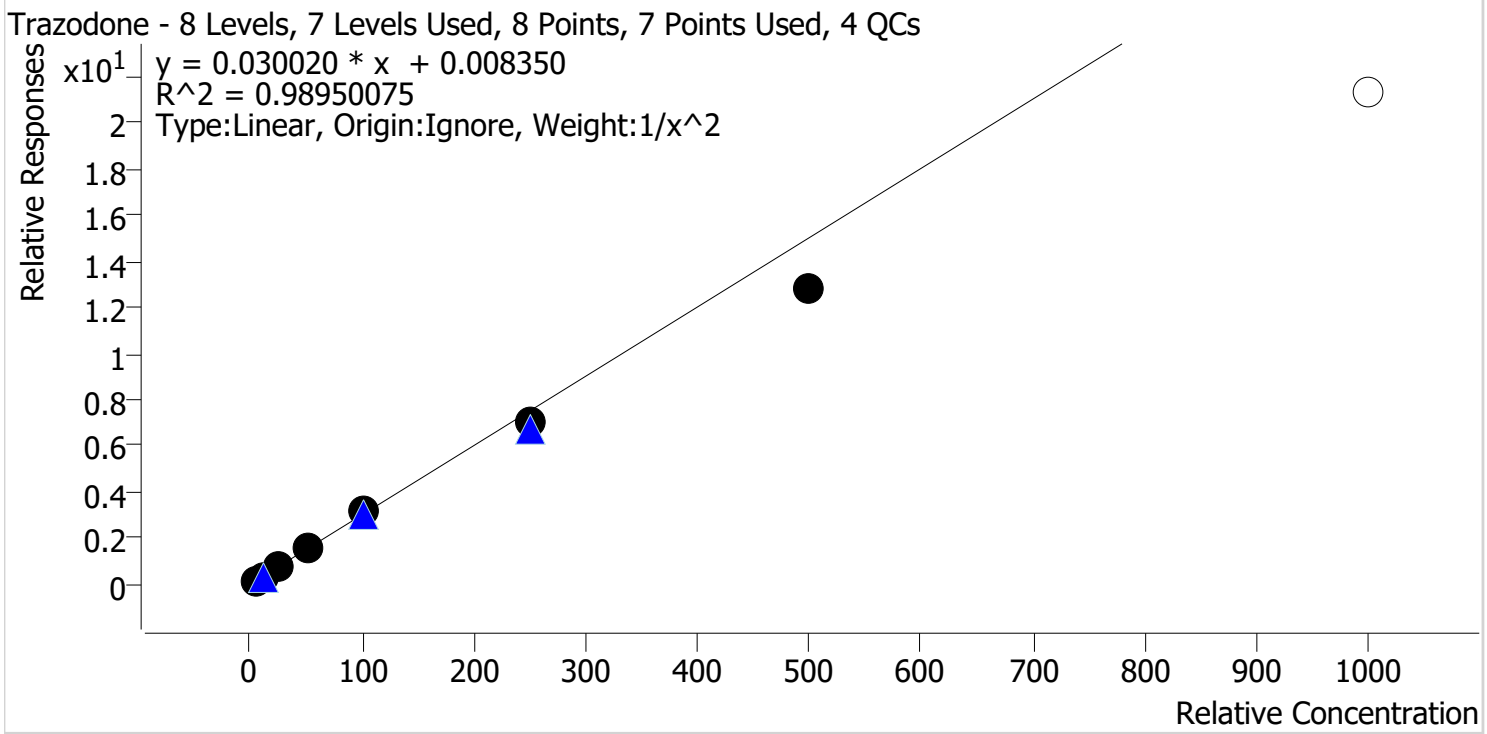


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	110.0	110.0
p1 Cal 6-250ng	6	✓	250.0	261.1	104.5
p1 Cal 7-500ng	7	✓	500.0	455.3	91.1
p1 Cal 8-1000ng	8	✓	1000.0	919.8	92.0



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

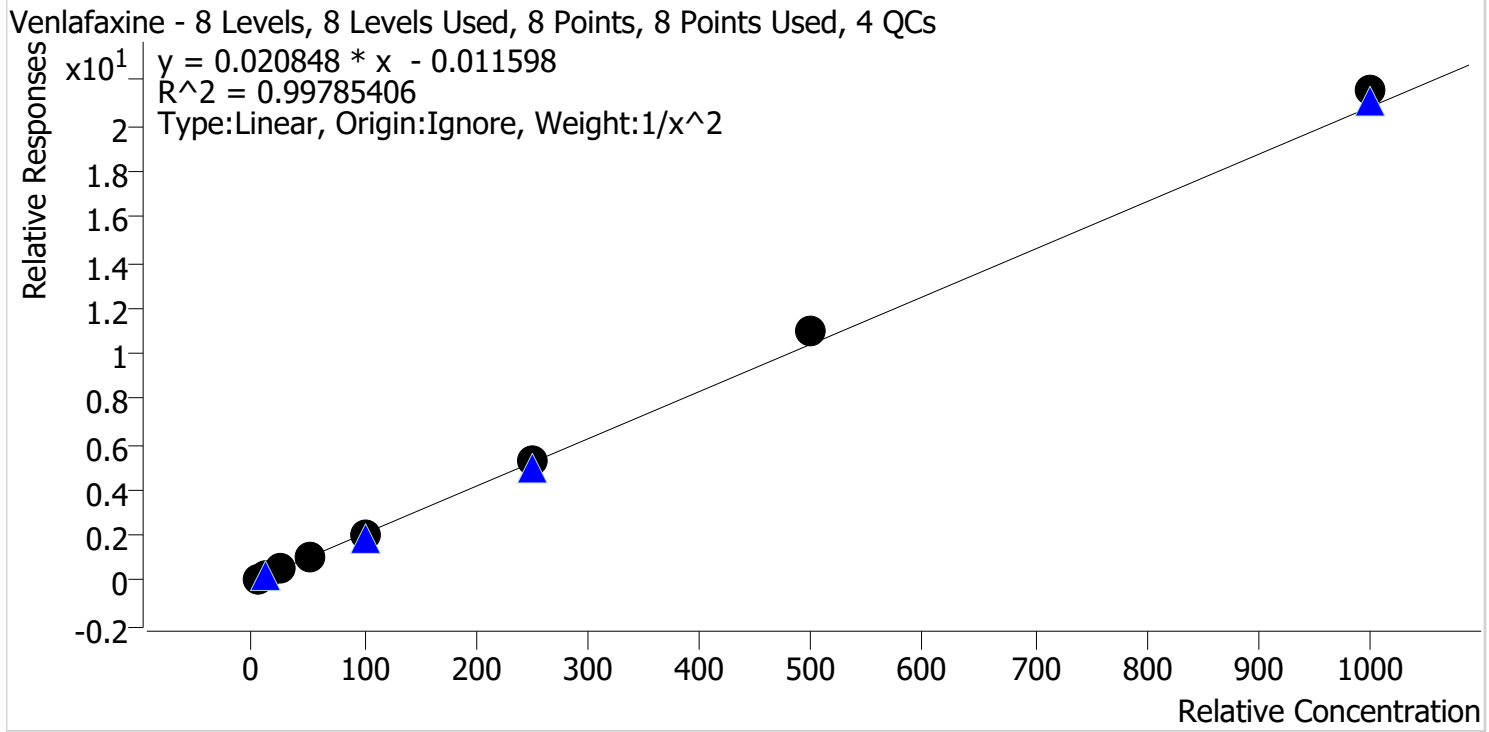


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	235.9	94.4
p1 Cal 7-500ng	7	✓	500.0	424.0	84.8
p1 Cal 8-1000ng	8	✗	1000.0	709.4	70.9



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	48.6	97.3
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	528.9	105.8
p1 Cal 8-1000ng	8	✓	1000.0	1034.5	103.5

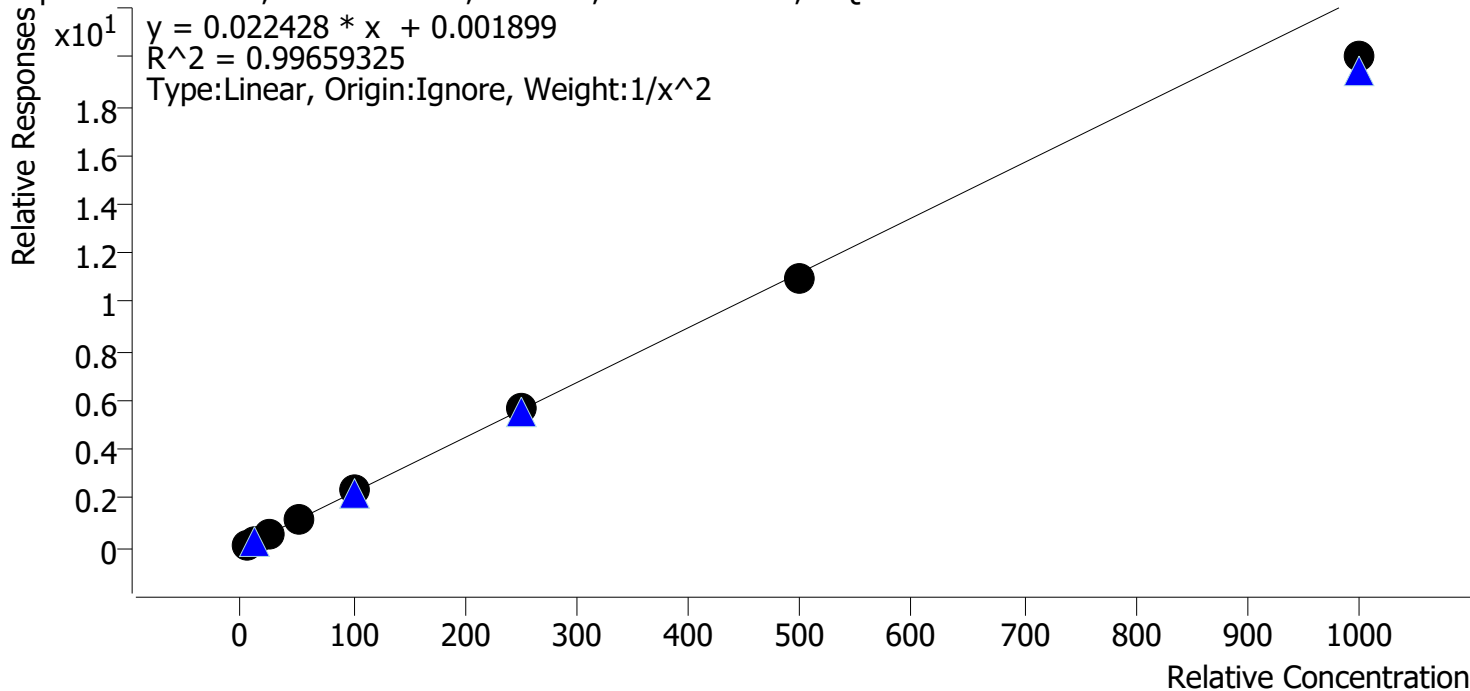




# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 4/19/2024 9:02 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	488.0	97.6
p1 Cal 8-1000ng	8	✓	1000.0	893.2	89.3

# AM #28 Multi-Drug Quant. Results

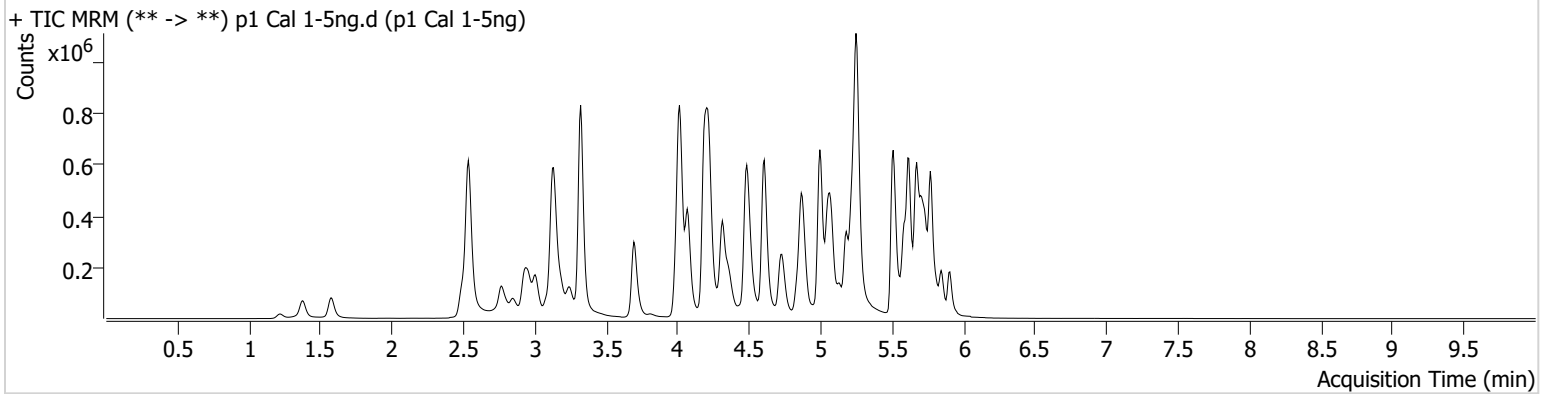


**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/19/2024 9:02:44 AM

**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** Celena Shrum  
**Sample Position** P2-H12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 1:00:12 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	3.096	1714	57.31	70.2	236.66	108424	0.5197 ng/ml
7-aminoclonazepam	4.223	30849	495.37	70.6	469.64	319987	4.9126 ng/ml
9-hydroxyrisperidone	4.610	4026	3059.22	3960.3	866.24	1358843	5.0930 ng/ml
a-hydroxyalprazolam	5.657	10841	248.78	74.9	288.96	98436	4.9851 ng/ml
alpha-PHP	4.895	25822	806.94	261.2	281.02	847540	4.8652 ng/ml
alpha-PVP	4.322	102938	368.87	46.7	133.97	847540	5.0849 ng/ml
Alprazolam	5.734	44771	162.95	101.0	319.08	369020	5.0581 ng/ml
Amphetamine	3.006	188887	2848.18	47.6	1841.27	538088	4.7768 ng/ml
Benzoylcegonine	3.842	2425	20.30	37.6	36.73	17033	5.0324 ng/ml
Bromazolam	5.773	23637	1355.33	120.0	24597.49	201521	4.8927 ng/ml
Buprenorphine	5.833	2314	346.04	15.5	296.46	156237	0.5053 ng/ml
Bupropion	4.744	100189	88.97	72.2	189.73	579135	4.9543 ng/ml
Carisoprodol	5.682	47637	490.57	68.0	49.56	423424	5.0611 ng/ml
Citalopram	5.179	77128	226.85	30.0	73.26	698962	5.1209 ng/ml
Clonazepam	5.570	40705	436.41	35.6	9204.83	131592	4.7931 ng/ml
Clonazolam	5.513	29715	51564.90	40.3	19830.09	131592	4.8496 ng/ml
Cocaine	4.223	62649	1837.89	57.3	212.47	1152215	5.0533 ng/ml
Codeine	2.548	8460	41784.97	105.7	17555.52	93570	4.8122 ng/ml
Cyclobenzaprine	5.593	58477	20365.50	8.6	92.70	630688	5.1773 ng/ml
Dextromethorphan	5.236	46230	179.28	87.9	318.17	481099	5.0350 ng/ml
Dextrorphan	4.075	32654	393.03	206.3	661.77	779666	5.0441 ng/ml
Diazepam	5.906	31336	374.95	96.4	156.30	302024	4.9789 ng/ml
Dihydrocodeine	2.521	19600	58894.64	68.3	351.71	257890	4.7718 ng/ml
Diphenhydramine	5.257	221657	221.48	31.1	3121.87	2210182	5.1280 ng/ml
Doxylamine	4.504	171708	1897.31	100.0	971.34	1697365	5.1280 ng/ml
Duloxetine	5.612	7449	550.84	12.0	101.36	91312	4.9405 ng/ml
EDDP	5.222	68779	95.48	40.0	1062.89	697422	5.0131 ng/ml
Etizolam	5.773	33126	38146.06	25.3	9064.09	131592	5.2223 ng/ml
Fentanyl	5.062	7923	106.94	75.6	916.62	882732	0.5123 ng/ml
Fluorofentanyl	5.123	18898	64.02	45.0	1213.42	6648	0.5034 ng/ml
Fluoxetine	5.673	80300	223.79	7.5	105.88	605014	5.0276 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.988	31758	159.93	34.6	549.43	349449	4.8428 ng/ml
Hydromorphone	1.582	31459	1591.09	80.1	1914.72	221081	4.9923 ng/ml
Hydroxyzine	5.670	80896	1441.50	75.5	5322.34	481099	5.1495 ng/ml
Ketamine	4.007	65984	219.45	32.1	188.99	541967	4.7770 ng/ml
Lamotrigine	4.232	7139	550.70	71.9	125.56	1723565	5.0015 ng/ml
Lorazepam	5.706	33549	305.37	52.8	21.30	512805	4.8071 ng/ml
MDA	3.153	108380	199.81	35.7	127.51	777951	4.7093 ng/ml
MDMA	3.255	67527	2325.81	97.9	316.82	152247	5.0811 ng/ml
Meprobamate	4.861	34171	577.95	36.7	115.42	306048	4.8085 ng/ml
Methadone	5.618	112117	1615.31	62.0	821.16	957597	5.1287 ng/ml
Methamphetamine	3.189	152987	1065.03	37.3	946.78	1121816	4.8956 ng/ml
Metoprolol	4.279	20829	481.79	100.2	548.74	1563595	5.0334 ng/ml
Mirtazapine	4.600	120004	523.43	54.6	1987.72	847540	4.9390 ng/ml
Mitragynine	5.198	24158	368.18	30.8	4371.11	957597	5.0335 ng/ml
Morphine	1.227	4987	310.07	34.5	341.55	11121	4.9350 ng/ml
Norbuprenorphine	4.951	506	2981.04	105.4	1093.07	38959	0.5898 ng/ml
Nordiazepam	5.853	36880	241.18	53.7	2380.91	255337	4.9722 ng/ml
Norfentanyl	4.035	14119	168.45	39.2	74.02	1333704	0.5168 ng/ml
Norhydrocodone	3.023	7464	88.88	37.7	67.93	98526	5.2912 ng/ml
Noroxycodone	2.873	27425	15.37	52.5	2176.64	197543	4.9770 ng/ml
O-desmethyl-tramadol	3.328	161934	974.75	5.4	148.85	2024397	5.0933 ng/ml
o-desmethylvenlafaxine	4.020	136746	3038.49	21.3	201.26	30159	5.7981 ng/ml
Olanzapine	4.441	33967	175.29	57.1	278.16	172636	4.8804 ng/ml
Oxazepam	5.715	47352	118.41	71.8	358.01	512805	4.8815 ng/ml
Oxycodone	2.798	51186	304.47	29.3	460.61	434709	4.9502 ng/ml
Oxymorphone	1.379	28638	254.43	50.7	111.00	199968	4.9992 ng/ml
Phentermine	3.731	40301	686.81	7.8	42.16	859851	4.8852 ng/ml
Promethazine	5.509	111371	240.59	31.8	143.37	1171754	5.1179 ng/ml
Pseudoephedrine	2.545	188397	535.28	17.2	126.20	1723565	5.1584 ng/ml
Quetiapine	5.526	92713	2503.18	55.8	62233.72	255153	4.9216 ng/ml
Sertraline	5.742	23226	132.37	85.3	47838.27	196910	5.0919 ng/ml
Temazepam	5.776	85051	263.02	25.6	41.52	754278	5.1755 ng/ml
Tramadol	4.204	149461	94.44	3.8	18.15	1563595	4.9544 ng/ml
Trazodone	5.130	119544	176.17	63.9	173.61	786881	4.7825 ng/ml
Venlafaxine	4.996	149915	1586.64	32.3	235.74	1569973	5.1366 ng/ml
Xylazine	4.042	58645	4382.67	43.9	103.05	572650	5.0768 ng/ml
Zolpidem	4.893	127456	255009.73	26.9	517.53	1126700	4.9591 ng/ml

# AM #28 Multi-Drug Quant. Results

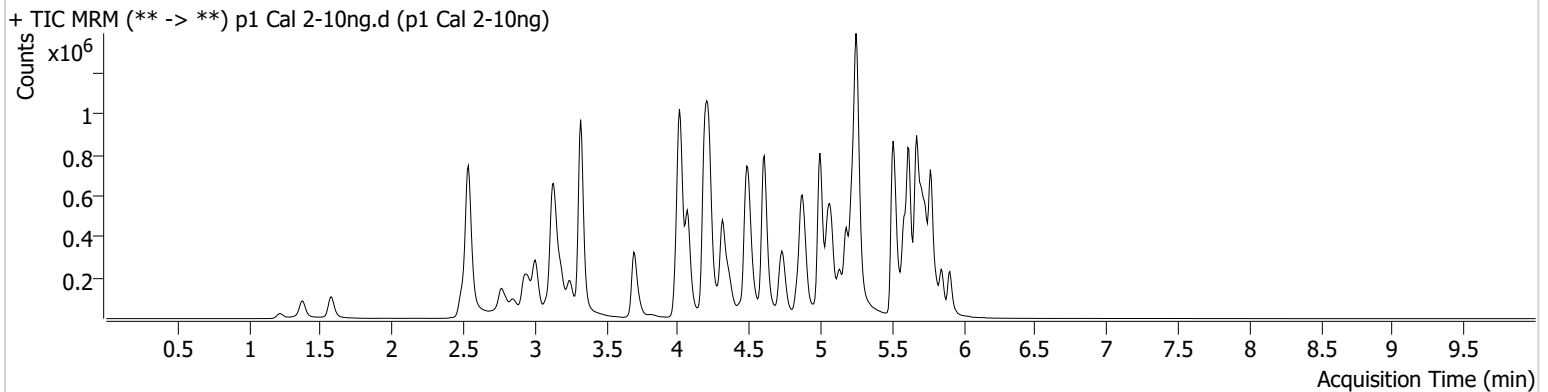


**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/19/2024 9:02:44 AM

**Instrument** Falco (069901) **Data File** p1 Cal 2-10ng.d  
**Type** Cal **Sample** p1 Cal 2-10ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-G12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 1:10:58 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	3.089	3402	2674.70	79.6	7975.28	117215	0.9291 ng/ml
7-aminoclonazepam	4.223	72331	6382.47	69.2	219384.50	359122	10.1859 ng/ml
9-hydroxyrisperidone	4.610	8706	6813.81	3992.6	2164.50	1474800	9.6289 ng/ml
a-hydroxyalprazolam	5.651	24500	386.34	66.6	334.17	114515	9.6541 ng/ml
alpha-PHP	4.895	58397	510.96	257.8	5536.22	933573	10.1641 ng/ml
alpha-PVP	4.322	228541	182.78	48.2	411.14	933573	9.8041 ng/ml
Alprazolam	5.734	96756	669.72	102.9	234.19	384718	9.9786 ng/ml
Amphetamine	3.006	414755	473.26	46.7	1679.98	583518	10.4980 ng/ml
Benzoylcegonine	3.835	5038	269.27	42.1	54.71	18274	9.8935 ng/ml
Bromazolam	5.773	52167	1056.65	115.6	42480.85	215778	10.2940 ng/ml
Buprenorphine	5.833	5135	1392.67	12.2	390.83	186297	0.9852 ng/ml
Bupropion	4.744	229451	5375.01	70.0	359.84	637041	10.0915 ng/ml
Carisoprodol	5.689	110346	251991.84	63.9	438.21	466850	9.9516 ng/ml
Citalopram	5.179	174008	2319.20	29.5	73032.86	778146	9.7347 ng/ml
Clonazepam	5.570	91790	1517.46	35.4	2467.78	143975	10.4742 ng/ml
Clonazolam	5.513	64768	725.65	36.5	16472.64	143975	10.3476 ng/ml
Cocaine	4.223	139258	128.39	55.6	9980.34	1258177	9.9186 ng/ml
Codeine	2.542	18661	214.73	101.0	2199.97	99793	10.2529 ng/ml
Cyclobenzaprine	5.586	144045	10558.17	8.1	6541.43	752327	9.6434 ng/ml
Dextromethorphan	5.236	106892	1577.37	85.3	8715.90	540380	9.9379 ng/ml
Dextrorphan	4.075	72705	635.94	201.7	1551.50	848215	9.9362 ng/ml
Diazepam	5.906	69026	215.19	95.7	437.17	322576	10.0394 ng/ml
Dihydrocodeine	2.521	44025	243.49	66.7	37361.92	279302	10.3522 ng/ml
Diphenhydramine	5.257	487324	576.86	31.4	2032.80	2479496	9.6219 ng/ml
Doxylamine	4.504	399861	18041.21	96.1	44974.38	1926500	9.7162 ng/ml
Duloxetine	5.612	19573	469.89	12.8	270.04	113552	10.0208 ng/ml
EDDP	5.222	156991	2047.66	40.5	204.91	777129	9.9927 ng/ml
Etizolam	5.773	69622	44294.86	25.8	23990.63	143975	9.5476 ng/ml
Fentanyl	5.062	17535	72.28	73.1	24195.65	978011	0.9644 ng/ml
Fluorofentanyl	5.123	44909	294.34	41.7	1985.94	8157	0.9703 ng/ml
Fluoxetine	5.673	207880	409532.59	7.7	25075.94	776490	9.9197 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.982	68710	714.62	37.6	83.69	378339	10.2598 ng/ml
Hydromorphone	1.582	70777	382182.63	79.5	873.30	244890	9.9611 ng/ml
Hydroxyzine	5.676	184759	4864.25	74.8	6757.99	540380	9.6668 ng/ml
Ketamine	4.007	145570	1064.78	31.3	960.12	593085	10.3828 ng/ml
Lamotrigine	4.232	14204	988.74	84.5	8016.27	1864455	9.7488 ng/ml
Lorazepam	5.706	71751	621.73	57.2	89.55	550611	10.3721 ng/ml
MDA	3.153	233900	2082.41	35.5	140.03	826704	10.4417 ng/ml
MDMA	3.255	146688	984.36	95.5	1418.05	164369	9.8118 ng/ml
Meprobamate	4.861	73994	685.48	34.9	324.60	341675	10.3819 ng/ml
Methadone	5.618	257234	830.51	61.1	886.22	1097969	9.7049 ng/ml
Methamphetamine	3.189	332341	271.71	38.1	1456.95	1225988	10.1338 ng/ml
Metoprolol	4.279	42099	2709.90	109.1	809.96	1709800	9.5845 ng/ml
Mirtazapine	4.600	272897	1752.11	56.5	437.27	933573	10.0046 ng/ml
Mitragynine	5.198	54929	53747.98	31.6	196.89	1097969	9.9302 ng/ml
Morphine	1.227	11192	259.38	32.3	63.24	12257	10.0081 ng/ml
Norbuprenorphine	4.951	931	1182.91	126.8	320.43	43218	1.0352 ng/ml
Nordiazepam	5.853	83021	659.45	53.3	352.30	279342	10.0363 ng/ml
Norfentanyl	4.035	31363	50.16	39.1	177.31	1468894	0.9669 ng/ml
Norhydrocodone	3.023	16151	82.97	39.8	82.10	102769	9.4712 ng/ml
Noroxycodone	2.866	59795	1673.24	53.1	1363.41	213866	9.9728 ng/ml
O-desmethyl-tramadol	3.328	356695	749.49	5.5	284.20	2181538	9.7898 ng/ml
o-desmethylvenlafaxine	4.020	301132	6316.80	22.9	178.75	31444	10.5801 ng/ml
Olanzapine	4.434	76480	611.53	56.3	407.98	188535	10.1367 ng/ml
Oxazepam	5.715	105823	322.49	70.4	∞	550611	10.2498 ng/ml
Oxycodone	2.798	115844	407.89	30.6	1126.07	477396	10.1323 ng/ml
Oxymorphone	1.379	62090	∞	50.3	143.96	225236	9.8173 ng/ml
Phentermine	3.731	89277	375.74	8.0	142.48	941032	10.1969 ng/ml
Promethazine	5.509	260878	11523.61	32.8	301.70	1371372	9.7190 ng/ml
Pseudoephedrine	2.545	409947	155.58	17.4	956.95	1864455	9.7028 ng/ml
Quetiapine	5.526	212674	144804.73	57.8	201477.76	289434	10.1474 ng/ml
Sertraline	5.742	61759	643.54	92.7	1079.93	265281	9.6949 ng/ml
Temazepam	5.776	180615	407.46	25.9	93.45	821503	9.5369 ng/ml
Tramadol	4.197	325146	∞	3.9	61.04	1709800	9.9474 ng/ml
Trazodone	5.130	285574	227508.15	60.7	81454.45	889161	10.4203 ng/ml
Venlafaxine	4.996	330110	483.23	32.5	404.22	1724294	9.7394 ng/ml
Xylazine	4.042	128401	45482.18	44.5	327.39	621870	9.7926 ng/ml
Zolpidem	4.893	282631	875.97	27.1	774.86	1258578	9.9279 ng/ml

# AM #28 Multi-Drug Quant. Results



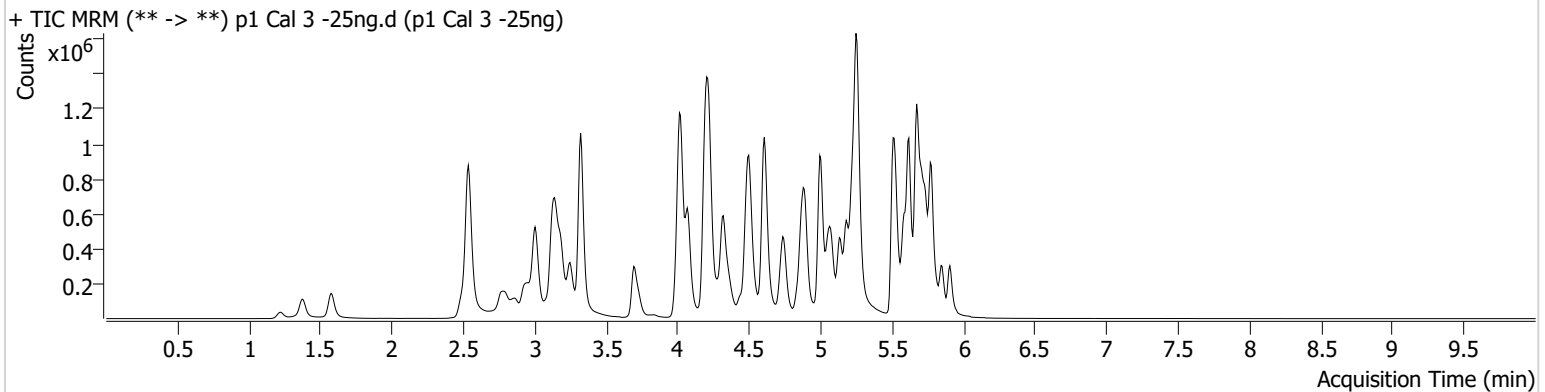
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**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-F12  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 1:21:35 AM  
**Sample Info.**

**Data File** p1 Cal 3 -25ng.d  
**Sample** p1 Cal 3 -25ng  
**Operator** Celena Shrum

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	8146	122.07	70.9	1625.61	103537	2.4677 ng/ml
7-aminoclonazepam	4.223	164895	3336.60	69.0	3144.05	328746	25.2606 ng/ml
9-hydroxyrisperidone	4.610	20566	782.41	3739.1	1217.92	1304868	24.8350 ng/ml
a-hydroxyalprazolam	5.651	57609	145.33	68.6	202.32	95787	27.0825 ng/ml
alpha-PHP	4.895	133020	878.87	260.7	8998.44	819896	26.6276 ng/ml
alpha-PVP	4.322	512135	14023.43	48.0	259.05	819896	24.3362 ng/ml
Alprazolam	5.734	208081	598.00	104.5	403.56	340129	23.5968 ng/ml
Amphetamine	3.006	911397	113.73	47.5	2441.46	522439	26.9375 ng/ml
Benzoylcegonine	3.842	11114	104.42	39.4	341.31	16472	24.4380 ng/ml
Bromazolam	5.773	113465	7608.70	119.3	3308.82	192829	25.3371 ng/ml
Buprenorphine	5.833	10790	12385.71	15.5	1778.96	161707	2.4589 ng/ml
Bupropion	4.744	522647	562.26	69.9	4788.41	567552	25.4797 ng/ml
Carisoprodol	5.689	240562	257.46	65.7	180.08	403180	24.1778 ng/ml
Citalopram	5.179	398256	390.59	29.1	374.01	699316	23.8225 ng/ml
Clonazepam	5.570	199286	975.53	37.4	1278.41	127835	26.4223 ng/ml
Clonazolam	5.513	139147	1645.68	38.7	57790.60	127835	26.0196 ng/ml
Cocaine	4.223	315387	919.65	55.7	256.05	1135913	24.3453 ng/ml
Codeine	2.542	42247	658.30	99.1	137.22	87249	26.9943 ng/ml
Cyclobenzaprine	5.593	327227	305.88	8.2	487.53	658573	23.4561 ng/ml
Dextromethorphan	5.236	237562	151.59	86.3	320.29	473865	24.5682 ng/ml
Dextrorphan	4.075	162532	340.60	201.0	596.26	742821	24.7901 ng/ml
Diazepam	5.906	161608	220.73	91.5	507.22	298401	25.0791 ng/ml
Dihydrocodeine	2.521	100471	12501.53	67.2	561.11	245359	27.5713 ng/ml
Diphenhydramine	5.257	1114846	522.29	31.0	927.26	2156754	24.5795 ng/ml
Doxylamine	4.504	897033	2579.56	96.9	26546.04	1674104	23.8722 ng/ml
Duloxetine	5.612	46650	2015.57	12.9	348.77	99766	26.5383 ng/ml
EDDP	5.222	363163	1692.41	40.9	4498.21	707955	24.9687 ng/ml
Etizolam	5.773	157418	3321.55	26.2	64130.26	127835	23.4999 ng/ml
Fentanyl	5.069	41638	142.21	68.6	47603.23	873794	2.4650 ng/ml
Fluorofentanyl	5.123	103647	845.78	40.2	3863.68	7246	2.5132 ng/ml
Fluoxetine	5.673	469180	1926.55	7.4	148917.61	693488	24.7358 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.982	152479	∞	36.4	83.38	333380	26.7237 ng/ml
Hydromorphone	1.582	160015	2443.66	80.4	845.96	214748	25.4081 ng/ml
Hydroxyzine	5.670	422359	5369.81	76.0	4314.34	473865	23.9498 ng/ml
Ketamine	4.007	322300	819.25	33.4	158.88	522631	27.2072 ng/ml
Lamotrigine	4.232	31911	1831.20	80.1	779.89	1638770	25.9372 ng/ml
Lorazepam	5.706	154767	2480.42	56.8	169.48	480391	26.8254 ng/ml
MDA	3.153	523693	292.26	35.1	288.92	730903	27.7478 ng/ml
MDMA	3.248	331469	4034.35	97.4	1480.09	146101	24.3162 ng/ml
Meprobamate	4.861	158116	396.02	36.9	412.62	304522	26.4614 ng/ml
Methadone	5.618	580602	753.63	62.0	925.72	968566	23.9633 ng/ml
Methamphetamine	3.189	744217	5663.26	37.4	1762.11	1090569	26.1286 ng/ml
Metoprolol	4.279	100200	137467.02	106.0	2147.45	1537900	25.9080 ng/ml
Mirtazapine	4.600	619734	338654.51	56.1	1821.01	819896	25.5840 ng/ml
Mitragynine	5.198	118702	2276.78	32.3	19737.22	968566	24.2502 ng/ml
Morphine	1.227	25695	458.15	31.5	802.70	10764	26.1004 ng/ml
Norbuprenorphine	4.951	1762	15356.19	121.0	1741.10	38215	2.3164 ng/ml
Nordiazepam	5.853	189529	483.58	52.4	1475.33	250235	25.2918 ng/ml
Norfentanyl	4.035	68809	10886.57	36.5	148.08	1295892	2.2942 ng/ml
Norhydrocodone	3.023	35991	87.71	37.6	121.94	87532	22.5141 ng/ml
Noroxycodone	2.866	135459	3483.10	53.6	1166311.14	190548	25.2808 ng/ml
O-desmethyl-tramadol	3.328	814221	18148.84	5.5	458.84	1933445	24.2773 ng/ml
o-desmethylvenlafaxine	4.020	671434	23153.46	22.8	1355.18	29264	23.2565 ng/ml
Olanzapine	4.434	180674	614.63	55.1	1286.86	172795	26.2387 ng/ml
Oxazepam	5.715	231629	304.91	68.0	217.29	480391	25.8393 ng/ml
Oxycodone	2.798	256056	1383.05	32.0	1046.66	424715	25.0770 ng/ml
Oxymorphone	1.379	140203	∞	48.4	352.03	193754	26.1114 ng/ml
Phentermine	3.731	200251	413.13	7.6	∞	833270	26.2914 ng/ml
Promethazine	5.509	594368	639.70	32.2	572.67	1210902	24.2502 ng/ml
Pseudoephedrine	2.545	915764	36430.16	17.5	287.19	1638770	23.6335 ng/ml
Quetiapine	5.526	468922	5820.80	57.6	∞	253557	25.8286 ng/ml
Sertraline	5.742	141450	892.04	89.4	4326.15	231599	24.8426 ng/ml
Temazepam	5.776	406278	689.55	25.2	399.37	708338	23.9404 ng/ml
Tramadol	4.204	754178	663.35	3.2	51.06	1537900	25.7973 ng/ml
Trazodone	5.136	637193	391983.81	63.0	26445.44	787495	26.6748 ng/ml
Venlafaxine	5.003	738403	578.92	32.2	385.69	1536202	23.6124 ng/ml
Xylazine	4.042	290077	2430.53	45.3	423.53	545778	24.5210 ng/ml
Zolpidem	4.893	644777	553739.11	26.7	124.53	1118512	25.6178 ng/ml

# AM #28 Multi-Drug Quant. Results

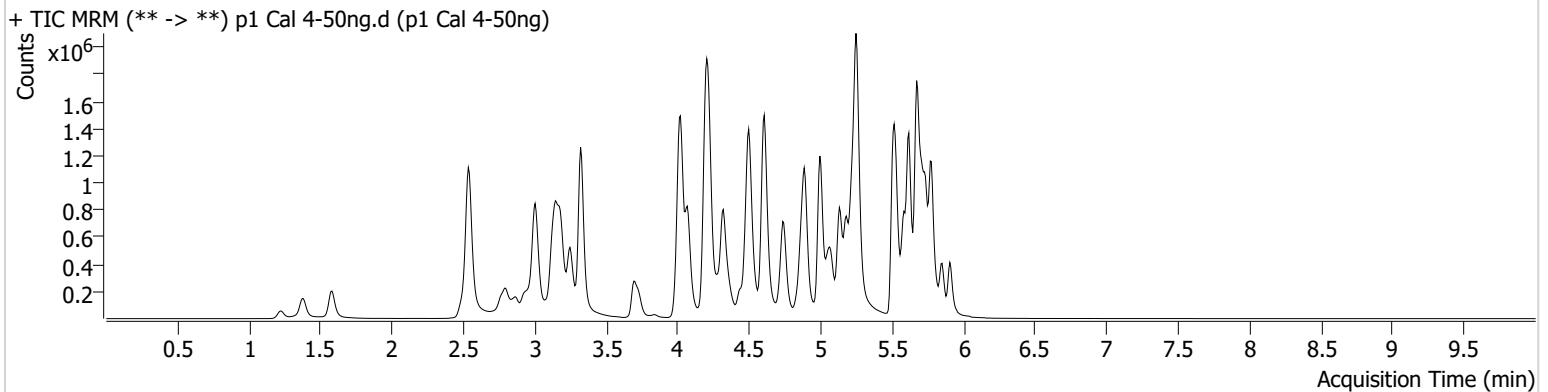


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**Calibration Last Update** 4/19/2024 9:02:44 AM

**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** Celena Shrum  
**Sample Position** P2-E12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 1:32:13 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	3.089	14688	14314.30	73.9	345.16	94762	4.8323 ng/ml
7-aminoclonazepam	4.223	293772	24457.30	67.1	5952.45	285436	51.7570 ng/ml
9-hydroxyrisperidone	4.610	39666	11892.90	3674.3	3591.60	1230270	50.2560 ng/ml
a-hydroxyalprazolam	5.651	104616	526.96	68.8	253.32	90236	52.1774 ng/ml
alpha-PHP	4.888	236786	296.88	257.6	2553.48	736079	52.9601 ng/ml
alpha-PVP	4.322	940639	23247.09	48.3	257.99	736079	49.3299 ng/ml
Alprazolam	5.734	400904	905.36	98.4	1343.69	307129	49.8130 ng/ml
Amphetamine	3.006	1619525	169.01	46.5	4480.39	473376	53.6029 ng/ml
Benzoylcegonine	3.842	19502	1187.23	40.6	86.01	13686	51.7861 ng/ml
Bromazolam	5.773	197517	1701.55	123.6	2204.71	165789	51.5019 ng/ml
Buprenorphine	5.833	20188	953.55	16.0	4638.41	153619	4.8933 ng/ml
Bupropion	4.744	953883	491.05	70.4	1434.44	524595	50.1098 ng/ml
Carisoprodol	5.682	425449	17237.35	66.4	575.88	344608	49.3659 ng/ml
Citalopram	5.179	727134	411.27	29.5	3118.40	613282	48.9191 ng/ml
Clonazepam	5.570	354214	4714.41	37.6	2413.84	115103	52.7047 ng/ml
Clonazolam	5.513	251682	456636.20	38.9	112090.67	115103	52.9669 ng/ml
Cocaine	4.223	574775	222.37	55.7	357.36	1007868	49.6303 ng/ml
Codeine	2.542	76567	∞	97.7	309.66	78685	54.5316 ng/ml
Cyclobenzaprine	5.586	607910	712.16	8.1	1477.75	591689	47.4510 ng/ml
Dextromethorphan	5.236	440555	21941.03	83.6	429.14	430605	49.7191 ng/ml
Dextrorphan	4.075	293021	6130.66	203.6	1129.19	684832	48.1240 ng/ml
Diazepam	5.906	291777	349.40	93.0	365.15	268877	50.0349 ng/ml
Dihydrocodeine	2.521	181220	680.37	70.1	573.83	226982	54.1598 ng/ml
Diphenhydramine	5.257	2018457	347.98	31.1	10438.95	1974340	48.1779 ng/ml
Doxylamine	4.497	1716219	5165.19	95.8	629.35	1547239	48.5984 ng/ml
Duloxetine	5.612	81862	763.92	13.6	930.58	93527	49.3484 ng/ml
EDDP	5.222	605719	580.99	39.7	284.53	589185	49.7756 ng/ml
Etizolam	5.773	274717	176455.18	25.6	1142.09	115103	45.0540 ng/ml
Fentanyl	5.062	76146	124.35	67.5	271.21	799729	4.8663 ng/ml
Fluorofentanyl	5.123	191289	1564.07	40.3	3386.72	6334	5.3011 ng/ml
Fluoxetine	5.673	860562	15935.31	7.6	33874.16	622070	50.3512 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.982	264488	∞	39.2	122.30	304425	51.2881 ng/ml
Hydromorphone	1.582	291244	1065.77	79.9	1447665.43	197796	50.0397 ng/ml
Hydroxyzine	5.670	785611	765.06	74.6	8093.99	430605	48.2090 ng/ml
Ketamine	4.007	588007	509.47	32.9	225.81	483905	54.3280 ng/ml
Lamotrigine	4.232	57424	485.81	86.0	6802.35	1473758	52.5563 ng/ml
Lorazepam	5.706	255622	8363.60	54.6	388.01	403653	53.5054 ng/ml
MDA	3.153	925422	2189.21	34.8	253.02	645452	56.3771 ng/ml
MDMA	3.248	607494	171748.70	97.6	9027.81	130459	49.4802 ng/ml
Meprobamate	4.861	288390	14564.85	35.7	211.40	272008	55.2031 ng/ml
Methadone	5.618	1067898	22940.05	60.1	1237.86	873216	48.3089 ng/ml
Methamphetamine	3.182	1366327	19462.08	37.3	216.99	1007183	52.3440 ng/ml
Metoprolol	4.279	180612	341457.61	104.5	8671.07	1392773	51.8940 ng/ml
Mirtazapine	4.600	1152695	20639.78	55.1	661114.43	736079	52.8112 ng/ml
Mitragynine	5.198	220214	207194.92	34.2	680.89	873216	49.8455 ng/ml
Morphine	1.227	47755	587.94	31.4	516.65	10229	51.0062 ng/ml
Norbuprenorphine	4.951	3208	1679.47	109.6	22112.89	34730	4.7281 ng/ml
Nordiazepam	5.853	336867	577.43	52.7	3127.39	220587	50.8080 ng/ml
Norfentanyl	4.035	130428	16852.16	36.8	99.03	1121390	4.9371 ng/ml
Norhydrocodone	3.023	62616	161.56	36.8	96.41	73534	45.1250 ng/ml
Noroxycodone	2.866	242496	343.80	52.8	6818.94	167506	51.4312 ng/ml
O-desmethyl-tramadol	3.328	1497177	953.51	5.5	305.99	1750319	48.6979 ng/ml
o-desmethylvenlafaxine	4.020	1219448	56246.13	22.7	964.86	25449	46.9379 ng/ml
Olanzapine	4.434	330957	1213.90	56.6	1592.97	158062	52.6140 ng/ml
Oxazepam	5.715	387422	305.65	68.5	239.71	403653	51.5173 ng/ml
Oxycodone	2.798	469743	10162.62	32.6	764.99	383754	50.8479 ng/ml
Oxymorphone	1.379	253559	∞	51.0	∞	180384	50.9214 ng/ml
Phentermine	3.731	359278	246.26	7.5	194.96	756525	52.2496 ng/ml
Promethazine	5.509	1097299	473.77	31.9	412.74	1107065	48.4353 ng/ml
Pseudoephedrine	2.545	1677965	30629.63	17.3	16068.68	1473758	47.4619 ng/ml
Quetiapine	5.526	849260	115570.23	58.5	13859.41	233764	50.9223 ng/ml
Sertraline	5.742	263572	767.96	90.9	543.78	218469	48.7171 ng/ml
Temazepam	5.776	713044	1207.83	25.1	309.72	608529	48.2995 ng/ml
Tramadol	4.197	1331718	849.00	3.6	134.47	1392773	50.3865 ng/ml
Trazodone	5.130	1190812	547669.60	62.1	144.63	722921	54.5920 ng/ml
Venlafaxine	4.996	1392800	5119.65	31.3	5983.06	1389818	48.6260 ng/ml
Xylazine	4.035	530383	5343.29	44.8	1575.06	490767	49.4098 ng/ml
Zolpidem	4.893	1195367	331.37	26.6	55303.67	1017844	52.2785 ng/ml

# AM #28 Multi-Drug Quant. Results

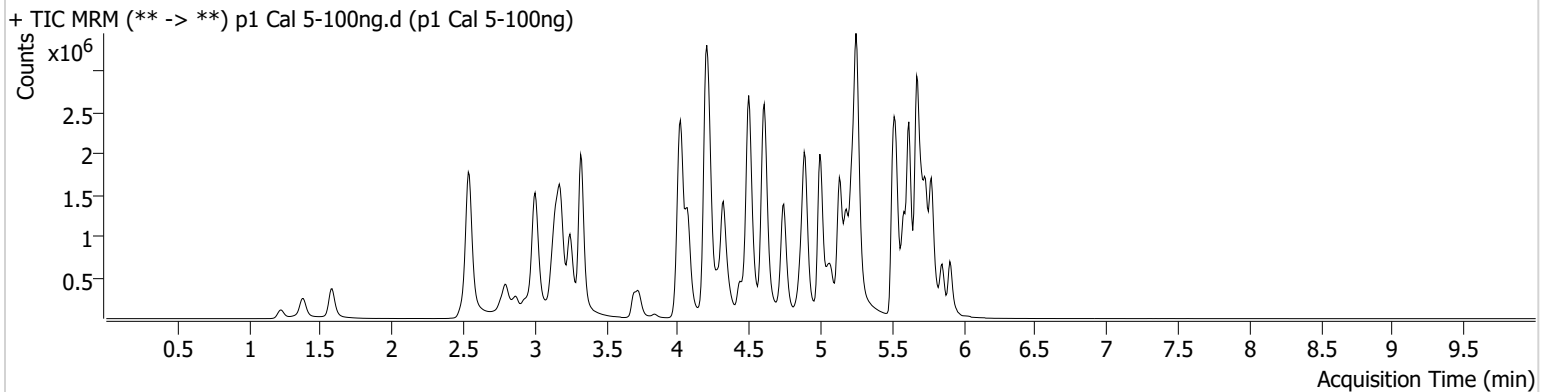


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**Calibration Last Update** 4/19/2024 9:02:44 AM

**Instrument** Falco (069901) **Data File** p1 Cal 5-100ng.d  
**Type** Cal **Sample** p1 Cal 5-100ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-D12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 1:42:50 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	3.089	33445	162551.45	71.8	311.84	101016	10.2879 ng/ml
7-aminoclonazepam	4.223	551546	6104.51	67.6	8970.88	262200	105.7086 ng/ml
9-hydroxyrisperidone	4.610	84030	336.02	3686.4	4547.48	1286537	101.2725 ng/ml
a-hydroxyalprazolam	5.651	186889	909.99	71.0	289.16	83997	100.1058 ng/ml
alpha-PHP	4.888	484689	10604.06	259.7	32907.41	775212	103.0910 ng/ml
alpha-PVP	4.322	1979054	10451.65	50.0	455.08	775212	98.1110 ng/ml
Alprazolam	5.734	785673	∞	98.0	1416.72	295749	100.8886 ng/ml
Amphetamine	3.006	3241205	275.43	45.4	43551.14	509090	100.4451 ng/ml
Benzoylcegonine	3.842	43269	346.38	38.3	227.17	15937	98.8108 ng/ml
Bromazolam	5.773	371464	165613.08	122.6	130559.10	155277	103.6137 ng/ml
Buprenorphine	5.833	45475	484.84	15.1	5000.67	164604	10.3441 ng/ml
Bupropion	4.744	2052597	874.00	70.5	977.77	561543	100.5246 ng/ml
Carisoprodol	5.689	714696	314173.30	67.9	933.88	300981	94.3767 ng/ml
Citalopram	5.180	1553252	1944.05	29.1	24175.39	633036	100.5667 ng/ml
Clonazepam	5.570	674344	18447.79	36.1	257511.46	109244	106.2839 ng/ml
Clonazolam	5.513	458830	12682.52	38.3	119649.13	109244	102.3776 ng/ml
Cocaine	4.216	1176896	554.03	56.7	20759.94	1035590	98.5486 ng/ml
Codeine	2.542	150838	233.44	96.6	115.56	80738	104.9537 ng/ml
Cyclobenzaprine	5.586	1303694	316.89	8.0	894.79	611280	97.4412 ng/ml
Dextromethorphan	5.230	908862	495.55	82.9	1939.17	440901	99.7659 ng/ml
Dextrorphan	4.075	609807	599.58	203.2	760.22	691606	98.7781 ng/ml
Diazepam	5.906	600474	457.88	92.1	1059.98	269655	102.4474 ng/ml
Dihydrocodeine	2.514	372124	932.81	69.5	7489.08	242844	104.3395 ng/ml
Diphenhydramine	5.258	4267450	42046.91	31.0	12156.67	2034550	98.3754 ng/ml
Doxylamine	4.497	3737840	130839.80	94.3	454.07	1665160	97.5657 ng/ml
Duloxetine	5.612	158345	3289.63	13.0	852.13	89892	98.9324 ng/ml
EDDP	5.222	1290595	36397.08	40.3	643.49	641123	97.2117 ng/ml
Etizolam	5.773	549332	2205.16	25.8	2352.25	109244	94.3414 ng/ml
Fentanyl	5.062	164641	6178.00	69.8	2883.60	871597	9.5959 ng/ml
Fluorofentanyl	5.123	399277	8815.42	40.1	2262.36	6983	10.0323 ng/ml
Fluoxetine	5.673	1678591	29388.31	7.3	146260.63	608315	100.2180 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.982	565279	∞	38.2	∞	313797	106.9679 ng/ml
Hydromorphone	1.582	605631	2318952.96	80.5	1867486.61	204020	100.7056 ng/ml
Hydroxyzine	5.670	1612793	32902.79	77.4	849.15	440901	95.8759 ng/ml
Ketamine	4.007	1187013	26463.42	32.9	16105.35	514791	103.7570 ng/ml
Lamotrigine	4.232	112895	4672.03	87.2	99538.08	1485995	103.0959 ng/ml
Lorazepam	5.706	379215	2323.84	56.8	1010.26	320230	100.7520 ng/ml
MDA	3.153	1750311	6062.42	34.6	502.16	648162	106.9361 ng/ml
MDMA	3.248	1275726	24729.09	98.6	472.34	137913	97.8897 ng/ml
Meprobamate	4.861	534355	1940.77	34.9	3197.94	277394	101.2168 ng/ml
Methadone	5.618	2328246	1643.21	59.3	1289.25	916857	99.7108 ng/ml
Methamphetamine	3.182	2943473	20383.95	37.0	899.99	1096194	104.0070 ng/ml
Metoprolol	4.279	377508	154879.29	104.7	2402.70	1392296	108.8654 ng/ml
Mirtazapine	4.593	2431323	2014.23	54.7	56124.44	775212	105.5881 ng/ml
Mitragynine	5.198	485885	354029.14	33.1	160020.87	916857	104.6876 ng/ml
Morphine	1.227	102373	1244.44	29.7	652.66	10710	104.3984 ng/ml
Norbuprenorphine	4.951	6789	6348.85	114.9	220.92	38227	9.1721 ng/ml
Nordiazepam	5.853	642369	∞	53.4	13877.89	213661	99.8480 ng/ml
Norfentanyl	4.035	246236	943.43	37.8	277.61	1051667	9.8637 ng/ml
Norhydrocodone	3.023	123186	129.70	37.9	129.58	70343	91.3227 ng/ml
Noroxycodone	2.866	481740	481.50	52.6	1257.10	166655	102.6449 ng/ml
O-desmethyl-tramadol	3.328	3239814	31416.29	5.6	1582.17	1855342	98.7951 ng/ml
o-desmethylvenlafaxine	4.020	2487787	41687.70	22.7	2087.37	25618	93.5897 ng/ml
Olanzapine	4.434	729951	5844.69	57.3	830.72	174887	104.9505 ng/ml
Oxazepam	5.715	621597	4177.75	66.6	6704.15	320230	104.2739 ng/ml
Oxycodone	2.791	1032981	881.04	31.5	397.19	418603	102.4413 ng/ml
Oxymorphone	1.379	497235	∞	50.4	∞	186750	96.6418 ng/ml
Phentermine	3.731	728996	817.35	7.4	127.18	800121	100.5176 ng/ml
Promethazine	5.509	2337416	87492.36	32.3	912.52	1163339	97.6461 ng/ml
Pseudoephedrine	2.545	3463797	212.44	17.2	41632.28	1485995	96.4709 ng/ml
Quetiapine	5.526	1738217	30760.43	60.2	526.76	242478	100.6647 ng/ml
Sertraline	5.742	514978	4567.64	88.6	18015.27	206720	100.2077 ng/ml
Temazepam	5.776	1233184	8283.47	25.9	318.20	514658	98.1578 ng/ml
Tramadol	4.197	2903340	533.72	3.2	∞	1392296	109.9962 ng/ml
Trazodone	5.130	2503976	149.06	65.6	39070.98	791436	105.1114 ng/ml
Venlafaxine	4.996	2980939	963.48	31.6	573.37	1486581	96.7407 ng/ml
Xylazine	4.035	1095081	137452.33	47.8	4409.77	502538	99.1839 ng/ml
Zolpidem	4.893	2531184	1860266.39	26.1	79916.64	1072683	105.1258 ng/ml

# AM #28 Multi-Drug Quant. Results

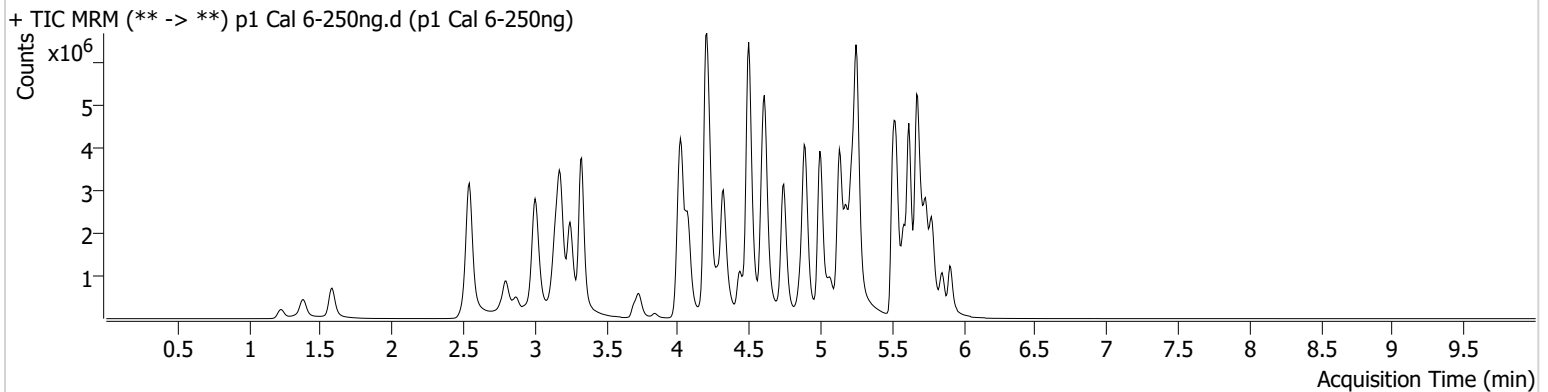


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**Instrument** Falco (069901) **Data File** p1 Cal 6-250ng.d  
**Type** Cal **Sample** p1 Cal 6-250ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-C12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 1:53:27 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	3.096	80062	281996.39	71.6	375.55	98448	25.2268 ng/ml
7-aminoclonazepam	4.223	966126	300.53	67.2	4854.03	187807	258.4108 ng/ml
9-hydroxyrisperidone	4.610	187477	1252.31	3896.6	24409.71	1158796	250.0797 ng/ml
a-hydroxyalprazolam	5.651	320136	180.16	67.5	453.55	58722	245.2405 ng/ml
alpha-PHP	4.888	1088905	17043.36	254.4	86084.42	740269	242.7624 ng/ml
alpha-PVP	4.322	4813526	923.20	50.1	82011.85	740269	249.2152 ng/ml
Alprazolam	5.734	1566219	1317.23	96.5	521.68	234374	253.0704 ng/ml
Amphetamine	3.006	6365361	61913.79	44.9	246.74	479731	210.2089 ng/ml
Benzoylcegonine	3.842	109508	2122.82	39.4	319.96	15445	258.3017 ng/ml
Bromazolam	5.773	650039	467482.93	124.8	451232.35	114062	247.1073 ng/ml
Buprenorphine	5.833	113566	9172.75	15.0	10585.14	166682	25.5868 ng/ml
Bupropion	4.744	4962767	28112.13	70.2	76348.14	531785	256.3286 ng/ml
Carisoprodol	5.689	1168103	7285.48	65.8	513.56	181694	254.4614 ng/ml
Citalopram	5.180	3394518	301486.08	29.8	4189.22	561803	246.7318 ng/ml
Clonazepam	5.570	1074093	1098.75	36.6	6849.32	77810	238.3711 ng/ml
Clonazolam	5.513	692965	183589.51	41.6	44804.02	77810	217.8577 ng/ml
Cocaine	4.223	2678579	16651.23	56.8	2125.08	933757	248.2129 ng/ml
Codeine	2.542	296570	17086.77	94.8	21707.36	70677	236.0795 ng/ml
Cyclobenzaprine	5.586	2803474	62946.11	7.8	287.72	500996	254.0660 ng/ml
Dextromethorphan	5.230	1954145	664.75	79.9	1201.79	374950	251.6210 ng/ml
Dextrorphan	4.075	1363177	1315.43	206.2	995.52	608872	250.2459 ng/ml
Diazepam	5.906	1287560	1040.43	90.4	1919.50	230796	256.3341 ng/ml
Dihydrocodeine	2.514	796602	26940.97	74.0	34420.18	237358	229.0264 ng/ml
Diphenhydramine	5.257	9789194	2093.77	30.4	921.08	1780289	257.1723 ng/ml
Doxylamine	4.497	9594601	228744.24	91.9	4910.26	1584295	261.9228 ng/ml
Duloxetine	5.612	290181	2678.39	13.7	590.78	63218	257.1992 ng/ml
EDDP	5.222	2995082	44451.80	41.1	17390.16	590885	244.3795 ng/ml
Etizolam	5.773	1115974	4250.70	26.1	355.47	77810	268.1065 ng/ml
Fentanyl	5.062	425242	16520.71	68.2	117325.72	858518	25.0662 ng/ml
Fluorofentanyl	5.116	968763	23900.61	40.4	382.00	6302	26.9615 ng/ml
Fluoxetine	5.673	3054719	88755.74	7.4	568.39	445809	248.5354 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.982	1253872	∞	38.7	∞	297387	251.1446 ng/ml
Hydromorphone	1.582	1363389	2287217.03	81.0	3584564.20	185992	248.4264 ng/ml
Hydroxyzine	5.670	3581298	40473.31	80.6	23071.08	374950	249.0917 ng/ml
Ketamine	4.007	2468378	845.64	32.0	1342.10	477613	233.4757 ng/ml
Lamotrigine	4.239	210004	9192.38	89.7	1652.79	1263564	226.3125 ng/ml
Lorazepam	5.706	491124	27040.50	55.9	1028.09	179394	233.9779 ng/ml
MDA	3.147	3314496	4877.85	34.2	4550.52	532403	247.6416 ng/ml
MDMA	3.248	2977164	212664.96	98.8	350.30	124344	252.7294 ng/ml
Meprobamate	4.861	963722	463.63	35.0	745.32	246766	206.3578 ng/ml
Methadone	5.618	5349031	1478.03	58.9	38685.02	820773	255.0257 ng/ml
Methamphetamine	3.182	6804196	54449.63	36.4	607.87	1088176	242.7377 ng/ml
Metoprolol	4.279	813476	913002.79	105.9	4681.59	1322385	247.4125 ng/ml
Mirtazapine	4.593	5412708	311.00	53.9	42284.77	740269	245.9200 ng/ml
Mitragynine	5.198	1090382	2607.25	32.7	349829.88	820773	262.3545 ng/ml
Morphine	1.227	221245	2148.41	31.1	815.26	9562	252.6528 ng/ml
Norbuprenorphine	4.951	17382	17655.59	102.4	25701.10	37644	23.9889 ng/ml
Nordiazepam	5.853	1191965	1853.83	52.9	481.47	156500	252.6646 ng/ml
Norfentanyl	4.042	473158	7955.78	37.8	860.68	769599	25.7800 ng/ml
Norhydrocodone	3.023	264696	122.40	40.0	111.33	53507	255.4148 ng/ml
Noroxycodone	2.873	968506	2573.52	53.2	1151.25	137778	249.5404 ng/ml
O-desmethyl-tramadol	3.328	7886893	11925.99	5.6	540.93	1741060	255.3417 ng/ml
o-desmethylvenlafaxine	4.020	5139516	65364.33	22.1	3773.85	20507	239.1582 ng/ml
Olanzapine	4.434	1838661	6464.14	58.8	2895.43	181863	254.3172 ng/ml
Oxazepam	5.715	835195	792.20	69.7	13927.49	179394	250.2131 ng/ml
Oxycodone	2.798	2449106	17063.22	31.6	15038.35	401658	253.0297 ng/ml
Oxymorphone	1.379	1084455	∞	50.6	∞	155234	253.9057 ng/ml
Phentermine	3.731	1580512	2311.67	7.0	247.99	775011	225.3626 ng/ml
Promethazine	5.509	5680203	66456.11	31.1	35603.85	1080295	254.6865 ng/ml
Pseudoephedrine	2.545	7674565	164271.53	16.8	65538.68	1263564	250.3034 ng/ml
Quetiapine	5.526	3716526	57639.37	63.0	52900.08	211695	246.8071 ng/ml
Sertraline	5.742	963789	1293.02	87.5	274872.50	151722	254.9567 ng/ml
Temazepam	5.783	1814466	451.23	25.1	2310.68	294487	251.4880 ng/ml
Tramadol	4.197	6543165	∞	3.7	398.57	1322385	261.1266 ng/ml
Trazodone	5.130	5670371	144711.72	69.3	179068.18	799791	235.8883 ng/ml
Venlafaxine	4.996	7257449	244225.22	30.0	31828.63	1365471	255.4986 ng/ml
Xylazine	4.035	2463036	18037.49	49.7	8070.95	443851	251.9046 ng/ml
Zolpidem	4.893	5855157	183471.16	25.9	3206.41	1018790	256.1633 ng/ml

# AM #28 Multi-Drug Quant. Results



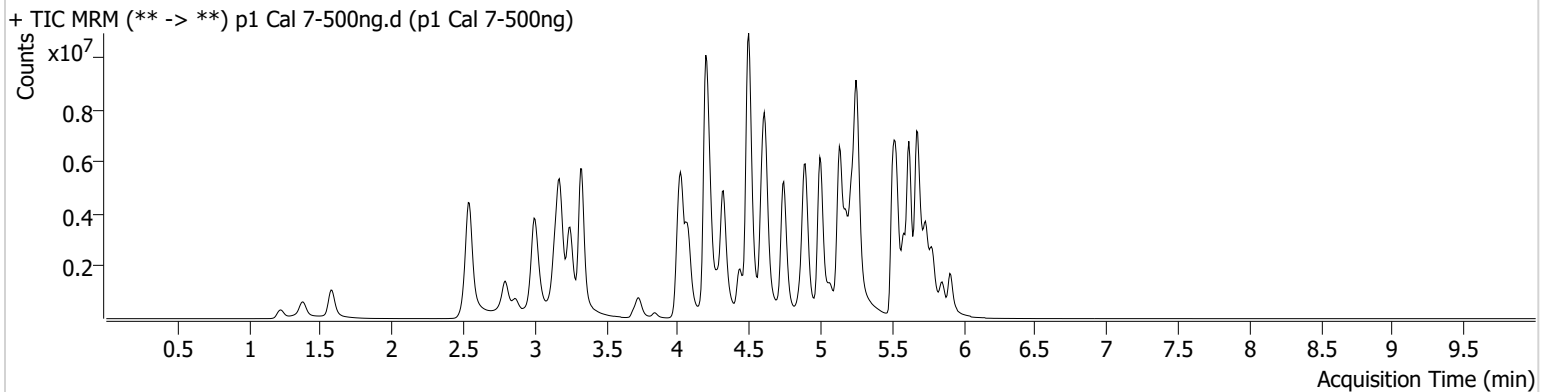
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**Calibration Last Update** 4/19/2024 9:02:44 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-B12  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 2:04:04 AM  
**Sample Info.**

**Data File** p1 Cal 7-500ng.d  
**Sample** p1 Cal 7-500ng  
**Operator** Celena Shrum

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	149170	536.38	69.0	1019.64	88208	52.4262 ng/ml
7-aminoclonazepam	4.223	1102469	6151.96	67.6	178.75	116915	473.6196 ng/ml
9-hydroxyrisperidone	4.610	312451	2358.39	4097.8	18786.49	950083	507.8030 ng/ml
a-hydroxyalprazolam	5.651	395935	234.86	66.8	272.90	36103	493.2977 ng/ml
alpha-PHP	4.888	1685481	4319.68	255.5	59407.86	629333	442.1388 ng/ml
alpha-PVP	4.322	8448792	∞	50.0	1539.76	629333	514.0688 ng/ml
Alprazolam	5.734	2339266	569.51	77.7	204.45	169528	522.0560 ng/ml
Amphetamine	3.006	9091610	42003.45	44.9	135349.32	432007	333.8800 ng/ml
Benzoylcegonine	3.842	212838	23397.36	39.2	1331.20	16026	483.9683 ng/ml
Bromazolam	5.766	886308	664317.01	127.4	539.20	79168	485.6164 ng/ml
Buprenorphine	5.833	203428	8002.69	14.5	5897.43	149769	51.0607 ng/ml
Bupropion	4.744	8787999	2479.58	69.3	90616.64	481628	500.9752 ng/ml
Carisoprodol	5.689	1369011	13599.27	65.6	7062.41	105935	510.8773 ng/ml
Citalopram	5.180	5307157	650.42	29.3	13095.59	412430	524.7560 ng/ml
Clonazepam	5.570	1368508	13013.14	35.5	42612.21	54593	433.3245 ng/ml
Clonazolam	5.513	819152	26887.17	40.5	596.28	54593	367.5207 ng/ml
Cocaine	4.216	4326224	6200.80	57.6	604.81	749588	499.0314 ng/ml
Codeine	2.542	433199	4023.95	95.9	5700.51	56704	430.0467 ng/ml
Cyclobenzaprine	5.586	4513365	123514.34	7.3	15171.84	396540	515.7529 ng/ml
Dextromethorphan	5.230	2960386	2217.27	80.7	1327.42	284285	502.3538 ng/ml
Dextrorphan	4.075	2209244	91422.43	208.2	2562.87	482866	511.0103 ng/ml
Diazepam	5.906	1990446	509.25	91.9	494.43	179603	509.0039 ng/ml
Dihydrocodeine	2.507	1363568	∞	69.9	77152.89	215369	432.4339 ng/ml
Diphenhydramine	5.258	15890216	3493.79	30.7	1069.49	1402950	529.2590 ng/ml
Doxylamine	4.497	17380495	249374.05	91.5	329419.55	1383814	542.3864 ng/ml
Duloxetine	5.612	373677	7009.51	13.2	345.55	41073	509.4013 ng/ml
EDDP	5.222	4863416	779.78	40.2	3505.86	466945	501.8738 ng/ml
Etizolam	5.773	1672055	9701.39	26.5	6657.01	54593	571.9340 ng/ml
Fentanyl	5.062	816165	12548.25	66.8	313418.29	801147	51.4921 ng/ml
Fluorofentanyl	5.116	1600116	12644.76	42.4	10383.88	5690	49.3208 ng/ml
Fluoxetine	5.673	4054086	29160.53	7.4	1209.81	302158	486.4494 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.975	1909842	1660.44	45.8	3315.71	263689	431.8370 ng/ml
Hydromorphone	1.582	2329938	13934067.92	81.7	4041.72	158494	498.0263 ng/ml
Hydroxyzine	5.670	5736998	1229.77	80.5	570.42	284285	525.4207 ng/ml
Ketamine	4.001	3823531	107191.95	32.4	14991.23	402276	430.0061 ng/ml
Lamotrigine	4.239	256694	77.98	93.2	∞	977320	358.0289 ng/ml
Lorazepam	5.706	504437	13823.74	56.1	2122.82	92198	468.4058 ng/ml
MDA	3.147	4497355	239.54	33.3	11181.13	402073	445.6156 ng/ml
MDMA	3.248	5011156	164291.68	94.1	21357.58	100025	528.3704 ng/ml
Meprobamate	4.861	1261733	225.64	34.2	386.96	199025	335.6770 ng/ml
Methadone	5.618	8917563	50790.91	59.3	1295.61	679268	513.1672 ng/ml
Methamphetamine	3.175	11679542	68645.54	35.1	48615.96	1003384	452.2257 ng/ml
Metoprolol	4.279	1257803	1733.31	106.4	23586.86	1147307	441.1877 ng/ml
Mirtazapine	4.593	8883027	103774.26	53.3	1919.75	629333	474.5653 ng/ml
Mitragynine	5.198	1744573	306.46	33.2	769.76	679268	507.1526 ng/ml
Morphine	1.220	363508	∞	32.2	∞	8105	489.6785 ng/ml
Norbuprenorphine	4.951	31228	1773.15	102.3	28303.67	31592	51.4537 ng/ml
Nordiazepam	5.853	1450412	∞	53.6	720.50	99536	483.2323 ng/ml
Norfentanyl	4.042	627282	6182.79	39.1	763.84	487778	53.8429 ng/ml
Norhydrocodone	3.023	458420	∞	40.7	118.42	43242	545.7463 ng/ml
Noroxycodone	2.866	1487791	6916.05	54.1	4420.73	109088	484.1053 ng/ml
O-desmethyl-tramadol	3.328	13860875	314567.10	5.6	1037.46	1506695	517.9418 ng/ml
o-desmethylvenlafaxine	4.020	7401476	∞	22.1	4726.64	14076	500.1322 ng/ml
Olanzapine	4.434	3236876	4657.02	60.1	12429.35	165825	491.0804 ng/ml
Oxazepam	5.708	832264	4442.33	68.5	1607.22	92198	485.2217 ng/ml
Oxycodone	2.791	4297955	6433.09	31.8	3248.64	365469	487.9520 ng/ml
Oxymorphone	1.372	1772107	∞	53.1	∞	127458	505.5345 ng/ml
Phentermine	3.731	2370676	∞	7.3	226.83	697058	376.0343 ng/ml
Promethazine	5.509	9375456	146368.92	31.5	31321.31	898298	505.0256 ng/ml
Pseudoephedrine	2.545	12464423	114.48	16.4	49120.85	977320	524.8559 ng/ml
Quetiapine	5.526	5791984	50998.69	62.5	119518.83	163541	498.0844 ng/ml
Sertraline	5.742	1323064	55951.24	87.7	274331.53	104164	509.4297 ng/ml
Temazepam	5.783	1941616	48378.37	27.1	1037.79	151423	522.7369 ng/ml
Tramadol	4.197	9895877	5671.41	4.2	204.07	1147307	455.2616 ng/ml
Trazodone	5.130	9441142	57819.70	73.1	185.39	741261	423.9865 ng/ml
Venlafaxine	4.996	12822741	122954.96	28.9	3590.62	1164152	528.8939 ng/ml
Xylazine	4.035	4135455	93946.24	49.7	11082.36	368074	509.5775 ng/ml
Zolpidem	4.893	9786851	351.52	25.3	6885304.88	894034	488.0004 ng/ml

# AM #28 Multi-Drug Quant. Results

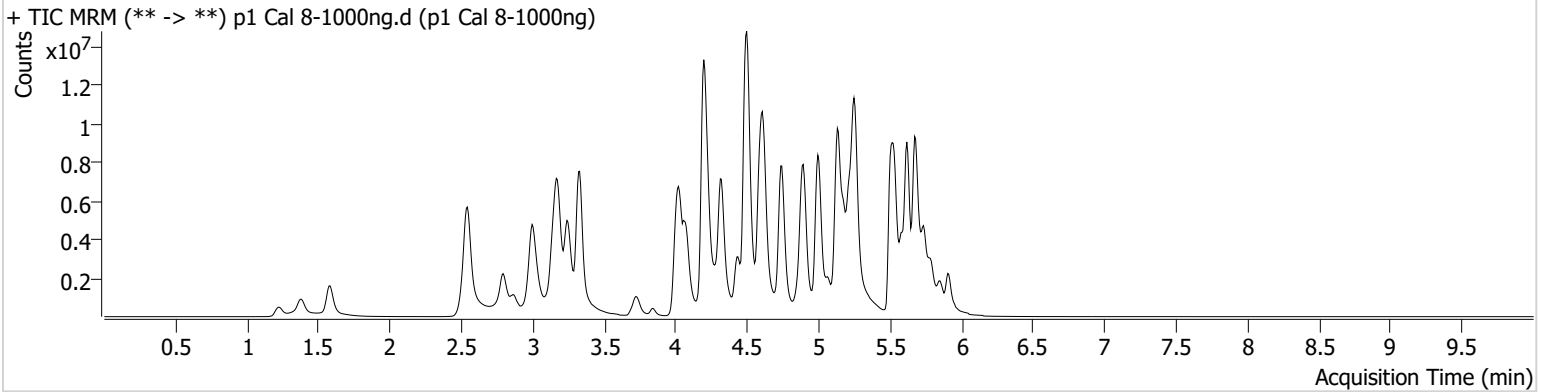


**Batch results** D:\MassHunter\Data\2024\AM 27 28\041724 AM 27 28 CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 4/19/2024 9:02:44 AM

**Instrument** Falco (069901) **Data File** p1 Cal 8-1000ng.d  
**Type** Cal **Sample** p1 Cal 8-1000ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Celena Shrum  
**Sample Position** P2-A12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 4/18/2024 2:14:41 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	3.089	241445	17444.62	68.1	510.15	75460	99.1646 ng/ml
7-aminoclonazepam	4.230	1181747	92.01	68.0	63.85	64840	915.3466 ng/ml
9-hydroxyrisperidone	4.610	441336	4106.32	4295.3	21535.63	687081	991.3309 ng/ml
a-hydroxyalprazolam	5.651	443737	225.98	74.4	168.77	21186	942.0940 ng/ml
alpha-PHP	4.888	2238789	1680.69	256.5	10206.40	488161	757.2393 ng/ml
alpha-PVP	4.322	13218709	4368.52	50.7	4913.77	488161	1036.4451 ng/ml
Alprazolam	5.734	3120158	139.00	96.6	124.09	119780	985.1136 ng/ml
Amphetamine	3.006	11531790	163.23	44.3	33063.02	360871	507.3913 ng/ml
Benzoylcegonine	3.842	427696	13372.87	39.0	531.28	15562	1001.6642 ng/ml
Bromazolam	5.766	1102046	48370.43	122.5	156.79	50185	952.7296 ng/ml
Buprenorphine	5.833	349340	330826.80	15.2	47900.50	136448	96.2913 ng/ml
Bupropion	4.744	13877613	336380.99	69.5	39366.29	402650	946.1074 ng/ml
Carisoprodol	5.689	1399218	286.93	70.1	16401.15	52407	1054.8129 ng/ml
Citalopram	5.173	7326670	171241.75	29.4	52130.48	290202	1028.9584 ng/ml
Clonazepam	5.563	1462307	5818.11	36.2	1287.46	33243	760.8316 ng/ml
Clonazolam	5.513	794650	172.04	41.7	420.38	33243	585.9222 ng/ml
Cocaine	4.223	6341367	333.50	53.7	80755.69	519696	1054.6591 ng/ml
Codeine	2.542	629945	169.93	87.6	1828.72	35907	987.9234 ng/ml
Cyclobenzaprine	5.586	6527371	23171.32	6.9	35930.54	270896	1090.7530 ng/ml
Dextromethorphan	5.230	4012199	666.03	78.9	∞	190944	1013.2509 ng/ml
Dextrorphan	4.075	3180878	158476.92	213.6	652.43	343902	1032.6816 ng/ml
Diazepam	5.913	2818509	416.64	93.3	2280.05	139377	928.6038 ng/ml
Dihydrocodeine	2.507	2051234	31729.93	67.6	37754.22	182252	769.0495 ng/ml
Diphenhydramine	5.257	21783986	135424.13	32.8	205730.73	1023141	994.5154 ng/ml
Doxylamine	4.499	26727182	183869.43	92.6	3300.05	1191837	967.8121 ng/ml
Duloxetine	5.606	374200	1097.37	13.7	999.93	22658	924.3939 ng/ml
EDDP	5.215	7541064	2746.10	39.7	3012.61	345818	1050.4728 ng/ml
Etizolam	5.773	2325800	39556.78	26.5	3842.45	33243	1305.8268 ng/ml
Fentanyl	5.062	1476913	39133.60	66.4	17954.04	704056	105.9658 ng/ml
Fluorofentanyl	5.116	2481756	70187.09	42.6	31622.61	4894	88.9355 ng/ml
Fluoxetine	5.673	5290219	92821.28	7.1	797220.24	184945	1036.8318 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.975	3581608	∞	41.2	∞	219679	972.8114 ng/ml
Hydromorphone	1.582	3793717	6996188.93	79.6	9727610.06	129604	991.5025 ng/ml
Hydroxyzine	5.670	7891925	11350.64	84.4	460400.36	190944	1075.2893 ng/ml
Ketamine	4.001	4786046	129421.98	31.9	25268.96	314525	688.8686 ng/ml
Lamotrigine	4.239	323616	1080.70	90.2	31686.98	699774	630.8909 ng/ml
Lorazepam	5.706	536897	6055.26	57.7	227.23	47041	977.9927 ng/ml
MDA	3.140	5555121	66803.05	33.1	20613.33	268374	825.3568 ng/ml
MDMA	3.248	7209435	111037.20	97.3	100458.34	76482	993.7935 ng/ml
Meprobamate	4.854	1546521	150.00	34.0	7340.68	152302	538.3422 ng/ml
Methadone	5.618	13395882	53583.20	60.3	504031.69	505391	1035.5237 ng/ml
Methamphetamine	3.175	17511114	85118.68	34.8	90571.38	887281	767.0252 ng/ml
Metoprolol	4.279	1678579	946197.52	108.1	245352.25	917676	736.3311 ng/ml
Mirtazapine	4.587	13701115	114684.28	52.9	145741.93	488161	943.4658 ng/ml
Mitragynine	5.198	2361795	8338.66	34.9	1864645.95	505391	922.7531 ng/ml
Morphine	1.227	589927	∞	30.6	∞	7046	914.0902 ng/ml
Norbuprenorphine	4.951	52753	69446.85	101.9	473.89	27287	100.7157 ng/ml
Nordiazepam	5.853	1814869	∞	54.1	11826.52	60264	998.4960 ng/ml
Norfentanyl	4.042	720726	6715.34	38.9	647.43	234002	128.8517 ng/ml
Norhydrocodone	3.023	769553	∞	41.1	961.83	33953	1165.1961 ng/ml
Noroxycodone	2.866	2111267	∞	54.1	∞	76888	974.6326 ng/ml
O-desmethyl-tramadol	3.328	21251278	150006.13	5.8	29607.92	1181480	1012.1165 ng/ml
o-desmethylvenlafaxine	4.013	9223082	20815.26	21.8	5640.76	8583	1020.5473 ng/ml
Olanzapine	4.428	5230442	20069.54	63.8	7623.38	153110	859.4806 ng/ml
Oxazepam	5.708	805739	15017.07	69.1	28700.35	47041	920.7694 ng/ml
Oxycodone	2.791	7236718	3307.52	31.3	2376.75	311373	964.2677 ng/ml
Oxymorphone	1.379	2895620	∞	50.3	∞	109417	962.4361 ng/ml
Phentermine	3.731	3534214	1742.43	7.1	3956.95	603279	647.9547 ng/ml
Promethazine	5.503	14667848	2122.84	30.5	55072.46	668866	1060.5534 ng/ml
Pseudoephedrine	2.545	18509774	310001.21	16.3	69897.79	699774	1087.8336 ng/ml
Quetiapine	5.526	8352802	21468.82	62.7	39678.62	122477	959.3070 ng/ml
Sertraline	5.742	1516863	165743.81	88.3	82332.96	60614	1003.3248 ng/ml
Temazepam	5.790	2059212	191.69	25.2	184.00	79557	1054.5967 ng/ml
Tramadol	4.197	15989401	909.65	3.7	∞	917676	919.7575 ng/ml
Trazodone	5.136	14266531	110553.65	75.7	63324.47	669640	709.3984 ng/ml
Venlafaxine	4.996	19023960	233900.53	30.3	9072.14	882527	1034.5392 ng/ml
Xylazine	4.028	6536768	149987.60	49.6	4880.65	291183	1017.7311 ng/ml
Zolpidem	4.893	14963152	258521.86	24.4	201409.56	746868	893.1911 ng/ml