

**REVIEWED**  
By Sarah Collins at 11:31 am, Oct 31, 2023

**Worklist: 6530**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-3411	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3486	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3540	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-3732	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2558	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2564	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2626	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2675	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2700	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2701	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2702	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2711	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2740	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2784	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2798	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2891	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3014	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3019	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3044	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

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Extraction Date: 10/24/2023

Plate lot#: 230707

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

Blank Blood Lot: Lampire 23E52981

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

Analyst: Tamara Salazar

Plate Retest Date: 01/07/2024

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Urine Lot: N/A

LCMS-QQQ ID: 069901

## Pre-Analytic:

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

## Analytic:

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

## Post-Analytic

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

## COMMENTS:

7-aminoclonazepam 5-500 -- calibrator 8 dropped due to accuracy

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

**Amphetamine not evaluated due to poor response.**

Buprenorphine -- 1 -100 -- calibrator 1 dropped due to ratio

Bupropion -- 5-1000 -- calibrator 3 dropped due to reduced ITSD response - **Qualitative Only**

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

TS

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

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

Hydrocodone -- 5-1000 -- calibrator 3 dropped due to reduced ITSD response - **Qualitative Only**

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

Methamphetamine -- 25-1000 -- calibrators 1 and 2 dropped due to accuracy

Metoprolol -- 5-500 -- caibrator 8 dropped due to accuracy

Norbuprenorphine - 2.5-100 -- calibrator 1 and 2 dropped due to poor peak shape

**Norhydrocodone not evaluated due to variable responses**

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

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

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2023-3540-1	P2023-2702-1	P2023-3044-3							IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2023-3732-2	P2023-2711-1	P2023-2871-1							IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	P2023-2558-3	P2023-2740-1	P2023-2876-1							IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	P2023-2564-1	P2023-2784-1							IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	P2023-2626-1	P2023-2798-1							IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Neg Blood	P2023-2675-2	P2023-2891-1							IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2023-3411-1	P2023-2700-1	P2023-3014-1							IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2023-3486-1	P2023-2701-1	P2023-3019-1							IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

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# AM #28 Multi-Drug Quant. Results

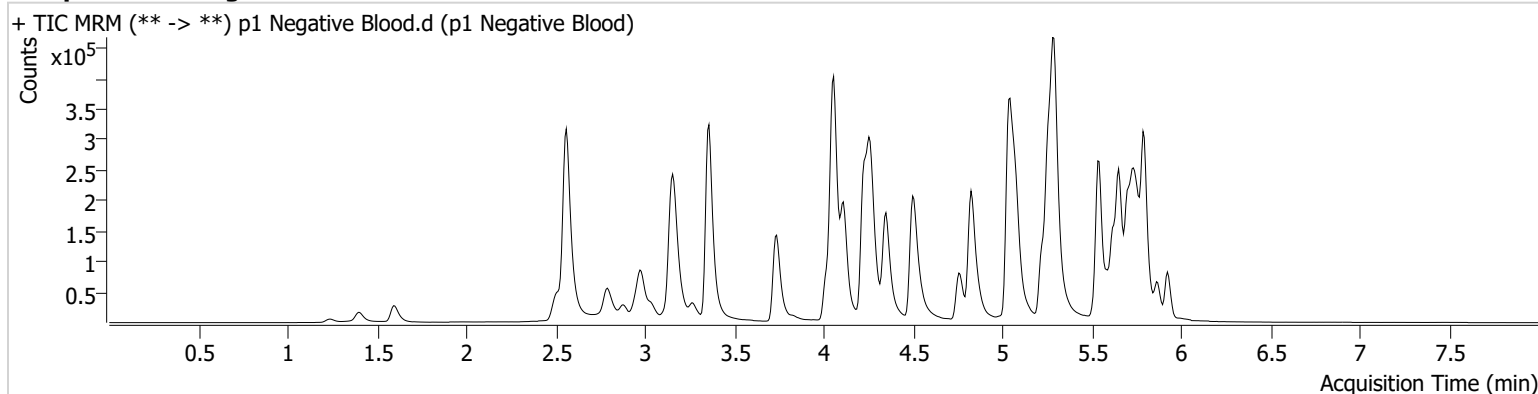
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**Calibration Last Update** 10/31/2023 9:47:04 AM

**Instrument** Falco (069901)  
**Type** Sample  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-F2  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 2:38:34 PM  
**Sample Info.**

**Data File** p1 Negative Blood.d  
**Sample** p1 Negative Blood  
**Operator** Tamara Salazar  
**Comment**

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

## Sample Chromatogram



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# AM #28 Multi-Drug Quant. Results

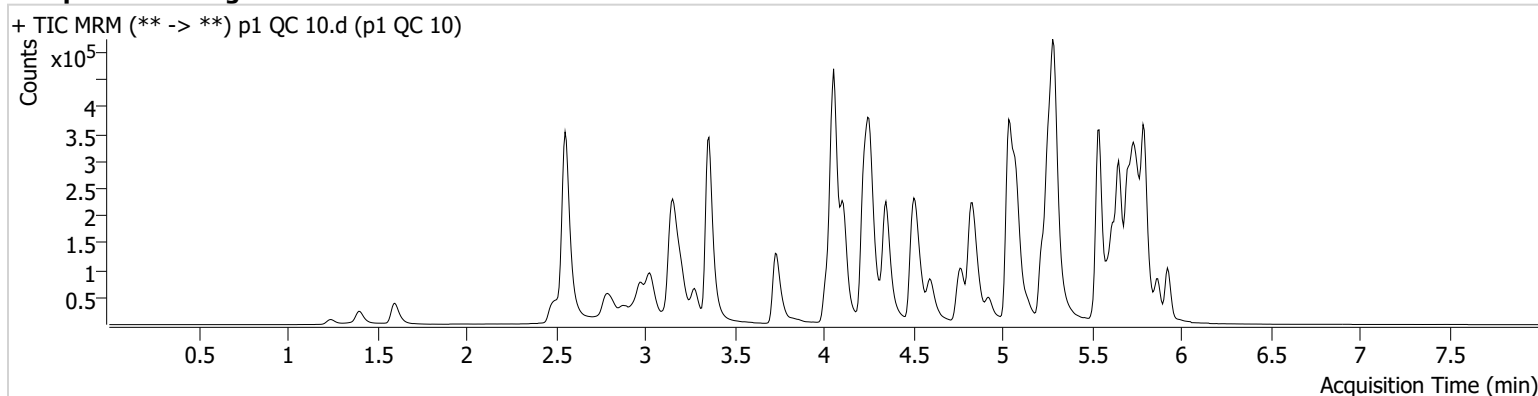
**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Calibration Last Update** 10/31/2023 9:47:04 AM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-A2  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 1:34:34 PM  
**Sample Info.**

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

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	1266	585.23	66.8	507.71	30202	1.0054 ng/ml
7-aminoclonazepam	4.238	24841	155.43	83.2	535.16	109970	10.8952 ng/ml
a-hydroxyalprazolam	5.683	11702	164.46	87.7	163.22	63768	9.1875 ng/ml
alpha-PHP	4.929	26996	782.85	272.9	17236.86	444691	10.4858 ng/ml
alpha-PVP	4.357	113337	8329.51	43.9	138.07	444691	10.0775 ng/ml
Alprazolam	5.753	42815	196.94	128.0	351.61	191709	9.6333 ng/ml
Benzoylcegonine	3.857	3361	298.80	7.7	715.90	11005	9.9326 ng/ml
Bromazolam	5.791	15969	643.29	112.9	25387.28	99400	10.1582 ng/ml
Buprenorphine	5.770	1938	2427.52	17.3	135.92	70829	0.9267 ng/ml
Bupropion	4.779	82971	155.12	70.2	955.12	218204	10.5135 ng/ml
Carisoprodol	5.708	28128	69178.23	50.9	34.80	117931	10.0081 ng/ml
Citalopram	5.226	68190	142.21	33.3	140.27	297198	10.3237 ng/ml
Clonazepam	5.595	67577	374.79	30.6	41322.62	73362	10.4280 ng/ml
Clonazolam	5.538	41744	46548.40	23.4	11244.94	73362	10.6181 ng/ml
Cocaine	4.258	70995	5577.33	54.1	1550.66	546362	10.2311 ng/ml
Codeine	2.552	7401	191.64	129.5	91.15	46361	9.9652 ng/ml
Cyclobenzaprine	5.618	59415	2011.30	9.6	195.43	284088	10.0203 ng/ml
Dextromethorphan	5.270	47030	1500.76	84.6	63.62	212891	10.0668 ng/ml
Dextrorphan	4.118	25204	472.97	226.9	380.94	356015	9.7780 ng/ml
Diazepam	5.932	31707	166.86	88.2	1078.09	147128	10.7413 ng/ml
Dihydrocodeine	2.518	23423	224.48	51.3	1011.22	131991	10.2830 ng/ml
Diphenhydramine	5.291	169379	1937.97	23.4	122.37	887768	10.1384 ng/ml
Doxylamine	4.518	143296	1319.71	100.0	896.69	646675	9.8814 ng/ml
Duloxetine	5.645	8766	206.23	8.2	184.48	47221	11.1483 ng/ml
EDDP	5.262	89971	296.63	47.9	4347.92	530365	10.4598 ng/ml
Etizolam	5.798	24929	1905.81	27.0	7765.13	73362	9.8076 ng/ml
Fentanyl	5.089	5095	1258.53	88.8	86.43	371899	1.0233 ng/ml
Fluorofentanyl	5.143	20678	702.71	39.9	1098.31	4515	0.9234 ng/ml
Fluoxetine	5.705	76689	∞	7.0	6553.42	259177	10.1965 ng/ml
Hydrocodone	2.998	32794	75.31	23.5	24.81	189038	10.3884 ng/ml
Hydromorphone	1.609	29763	2161.34	71.2	766.63	90802	10.0981 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.702	40813	475.72	70.7	1536.68	212891	9.9962 ng/ml
Ketamine	4.030	63506	281.98	39.9	531.77	206980	10.6849 ng/ml
Lamotrigine	4.267	5216	208.29	82.3	1082.94	896973	10.0375 ng/ml
Lorazepam	5.731	57831	740.52	50.7	113.74	305398	10.9327 ng/ml
MDA	3.190	84888	335.28	29.6	71.18	185741	10.2992 ng/ml
MDMA	3.285	63340	1348.60	80.8	506.31	58575	10.2061 ng/ml
Meprobamate	4.889	8552	14797.62	34.0	63.88	40735	10.6581 ng/ml
Methadone	5.650	123254	15535.63	40.2	4742.43	384675	9.7761 ng/ml
Metoprolol	4.321	16654	4002.77	95.5	1066.04	551759	10.8813 ng/ml
Mirtazapine	4.600	127965	1813.25	53.8	986.87	444691	9.9889 ng/ml
Mitragynine	5.217	20431	18094.89	30.5	7565.45	384675	10.5616 ng/ml
Morphine	1.247	4619	871.69	16.5	53.38	6587	10.4142 ng/ml
Nordiazepam	5.871	30785	231.42	67.2	107.00	101856	10.8573 ng/ml
Norfentanyl	4.071	17402	112.42	32.2	79.68	667269	0.9484 ng/ml
Norhydrocodone	3.060	4149	75.75	31.8	39.95	47180	8.7817 ng/ml
Noroxycodone	2.896	25571	407.09	47.3	608.24	71867	9.4979 ng/ml
O-desmethyl-tramadol	3.358	149038	439.17	4.5	587.03	861162	10.1932 ng/ml
o-desmethylvenlafaxine	4.063	169523	4485.78	17.1	78.82	186481	9.8848 ng/ml
Olanzapine	4.353	16434	108.45	54.7	184.65	29110	9.9655 ng/ml
Oxazepam	5.734	51269	206.69	87.4	507.40	305398	10.6865 ng/ml
Oxycodone	2.814	59370	525.63	28.6	149.86	193053	10.1569 ng/ml
Oxymorphone	1.405	21439	487.50	44.0	213.98	60149	10.1138 ng/ml
Phentermine	3.767	21150	186.92	7.0	33.22	404198	9.8031 ng/ml
Promethazine	5.542	121509	318.88	32.2	170.41	577147	9.7377 ng/ml
Pseudoephedrine	2.562	169192	1836.54	15.1	45.01	896973	9.8607 ng/ml
Quetiapine	5.538	85500	308.16	53.5	58914.94	98012	11.1472 ng/ml
Sertraline	5.767	31686	1090.38	112.6	715.78	150476	10.3038 ng/ml
Temazepam	5.801	82889	531.03	32.5	45.60	444021	10.2459 ng/ml
Tramadol	4.240	120641	∞	3.3	250.72	551759	10.0629 ng/ml
Trazodone	5.081	141378	1346.66	49.2	87.43	328834	10.7281 ng/ml
Venlafaxine	5.036	99595	683.60	43.4	780.58	688793	10.2135 ng/ml
Xylazine	4.065	65097	1389.89	39.5	189.58	224488	10.3138 ng/ml
Zolpidem	4.845	137362	957.68	28.7	537.29	566209	10.1712 ng/ml

# AM #28 Multi-Drug Quant. Results

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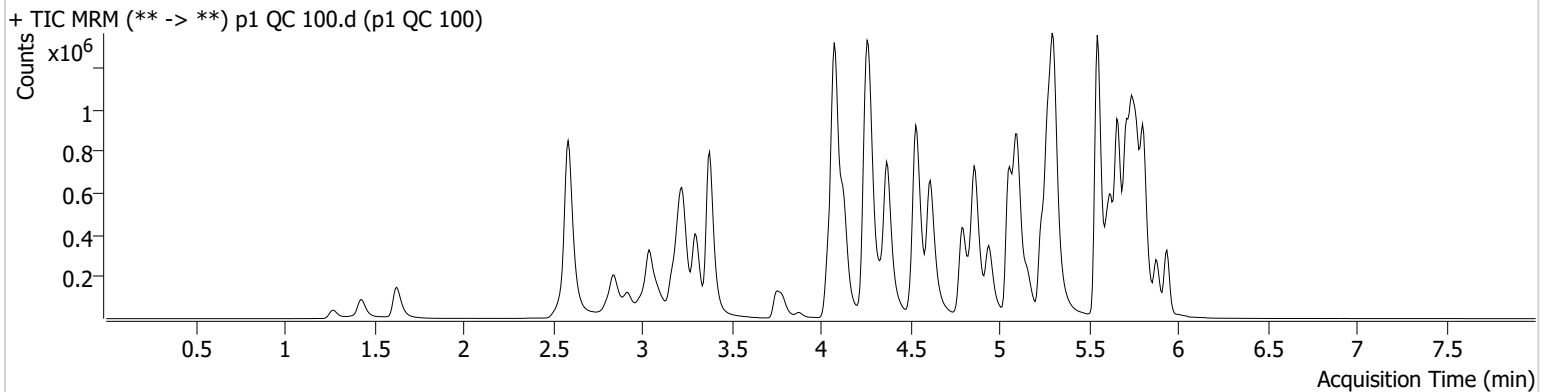


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**Calibration Last Update** 10/31/2023 9:47:04 AM

**Instrument** Falco (069901) **Data File** p1 QC 100.d  
**Type** QC **Sample** p1 QC 100  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-B2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 10:47:36 PM  
**Sample Info.**

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	11415	30561.97	73.9	∞	26289	9.9940 ng/ml
7-aminoclonazepam	4.252	205102	3937.77	84.9	10945.82	97433	105.8779 ng/ml
a-hydroxyalprazolam	5.690	102579	436.88	84.4	398.94	49373	94.3128 ng/ml
alpha-PHP	4.942	253524	4657.59	264.5	12812.85	412257	104.5149 ng/ml
alpha-PVP	4.377	1025697	270734.39	47.6	10024.14	412257	96.2071 ng/ml
Alprazolam	5.767	385286	1655.27	124.4	859.66	159536	97.5518 ng/ml
Amphetamine	3.049	306587	2152.71	261.9	575.96	104136	50.0292 ng/ml
Benzoylcegonine	3.878	28659	235.35	7.3	117.95	9747	97.9072 ng/ml
Bromazolam	5.798	132257	14777.90	118.9	129631.65	82254	98.7613 ng/ml
Buprenorphine	5.777	19154	382.37	14.3	1829.37	66368	10.9631 ng/ml
Bupropion	4.799	714952	7601.48	74.5	13107.81	178538	110.6237 ng/ml
Carisoprodol	5.715	213944	407.65	52.3	154.95	88681	101.8370 ng/ml
Citalopram	5.240	626092	831.95	35.2	373077.59	276618	97.9139 ng/ml
Clonazepam	5.609	580716	3671.63	31.2	12924.14	64300	106.2933 ng/ml
Clonazolam	5.552	321578	477788.44	25.2	70420.07	64300	101.0123 ng/ml
Cocaine	4.272	673529	11395.04	55.9	196373.94	522167	101.9869 ng/ml
Codeine	2.579	71464	4153.69	122.6	94866.73	41589	113.0745 ng/ml
Cyclobenzaprine	5.632	546288	285550.90	9.1	72489.37	256828	93.5989 ng/ml
Dextromethorphan	5.283	446112	253549.24	77.9	9620.60	201896	99.4093 ng/ml
Dextrorphan	4.131	228847	492.38	229.2	805649.99	332112	93.8571 ng/ml
Diazepam	5.939	276642	461.18	89.4	1202.62	131205	104.8677 ng/ml
Dihydrocodeine	2.558	227045	13542.02	54.5	4776.31	124627	107.7107 ng/ml
Diphenhydramine	5.304	1557582	22025.25	24.3	257.81	811968	100.4022 ng/ml
Doxylamine	4.532	1456016	117186.97	91.6	66179.58	618465	99.2057 ng/ml
Duloxetine	5.658	70387	5240.64	10.0	7211.87	41508	98.8887 ng/ml
EDDP	5.276	835354	21783.25	49.0	15237.36	502342	100.6201 ng/ml
Etizolam	5.805	213018	13511.17	28.3	92776.99	64300	93.3492 ng/ml
Fentanyl	5.103	46586	115.89	83.6	52366.78	334851	9.4971 ng/ml
Fluorofentanyl	5.157	209668	13765.15	34.9	2511.35	4571	9.0207 ng/ml
Fluoxetine	5.712	642465	3601.60	7.0	47864.89	219108	98.2881 ng/ml
Hydrocodone	3.019	257144	118.69	25.8	219.44	172925	93.9163 ng/ml



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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.629	271817	1369289.62	71.6	1857.07	82260	100.0765 ng/ml
Hydroxyzine	5.709	378384	10776.16	74.4	181623.25	201896	95.5086 ng/ml
Ketamine	4.050	595732	22536.20	39.9	2042.72	202715	109.7753 ng/ml
Lamotrigine	4.288	46955	1310.82	88.7	681.82	799533	103.2444 ng/ml
Lorazepam	5.738	431660	7444.73	48.8	1138.07	240785	113.6143 ng/ml
MDA	3.211	726227	2838.55	28.1	1632.88	156360	108.1353 ng/ml
MDMA	3.305	599356	13227.23	79.6	2631.36	56289	101.6168 ng/ml
Meprobamate	4.902	72047	174814.81	33.1	477.82	34039	103.0174 ng/ml
Methadone	5.664	1143874	21897.91	39.6	11094.17	344709	94.9908 ng/ml
Methamphetamine	3.232	845406	6835.80	39.7	1001.15	566771	103.7192 ng/ml
Metoprolol	4.334	148849	1409.20	100.5	4750.95	529899	106.1533 ng/ml
Mirtazapine	4.614	1226830	7235.28	52.8	429863.92	412257	96.5230 ng/ml
Mitragynine	5.231	179259	16927.34	33.2	2951.40	344709	98.6998 ng/ml
Morphine	1.274	40870	2964.51	16.4	210.40	6075	101.3817 ng/ml
Norbuprenorphine	5.005	1388	1141.07	112.0	588.49	9056	9.4637 ng/ml
Nordiazepam	5.885	267283	682.89	69.1	4530.25	90574	106.6129 ng/ml
Norfentanyl	4.092	157471	19260.06	32.5	146.64	581890	9.3840 ng/ml
Norhydrocodone	3.073	54651	192.50	31.7	190.38	39252	128.9918 ng/ml
Noroxycodone	2.924	234587	278.24	46.3	348.77	64169	98.0542 ng/ml
O-desmethyl-tramadol	3.379	1417248	521.49	4.8	1641.85	830675	98.1542 ng/ml
o-desmethylvenlafaxine	4.077	1651488	∞	16.5	2821.39	163540	104.9032 ng/ml
Olanzapine	4.374	161214	6231.69	54.6	815.09	28480	95.4812 ng/ml
Oxazepam	5.747	395892	327.63	83.5	195.44	240785	104.0903 ng/ml
Oxycodone	2.841	569909	2121.85	28.7	3860.94	183555	102.8233 ng/ml
Oxymorphone	1.432	195028	∞	43.7	314.10	56782	97.6563 ng/ml
Phentermine	3.787	201891	214.38	6.8	436.59	381859	103.1292 ng/ml
Promethazine	5.549	1179467	602.17	33.6	9232.17	533448	97.2024 ng/ml
Pseudoephedrine	2.596	1578847	41856.28	15.0	60197.94	799533	95.0563 ng/ml
Quetiapine	5.544	764299	13567.07	57.0	591414.54	93720	111.6930 ng/ml
Sertraline	5.781	256647	5810.97	106.7	4626.14	121555	100.3455 ng/ml
Temazepam	5.808	662738	643.40	31.2	1280.08	355121	100.7776 ng/ml
Tramadol	4.253	1142088	∞	3.4	86.79	529899	101.3835 ng/ml
Trazodone	5.094	1268611	162591.55	52.2	712.00	315978	101.2860 ng/ml
Venlafaxine	5.050	845842	33302.11	48.7	222.44	677486	85.4856 ng/ml
Xylazine	4.085	578207	817278.93	43.6	924.00	199951	99.1912 ng/ml
Zolpidem	4.865	1373266	5957.18	28.4	261009.42	554450	105.5950 ng/ml

# AM #28 Multi-Drug Quant. Results

TS



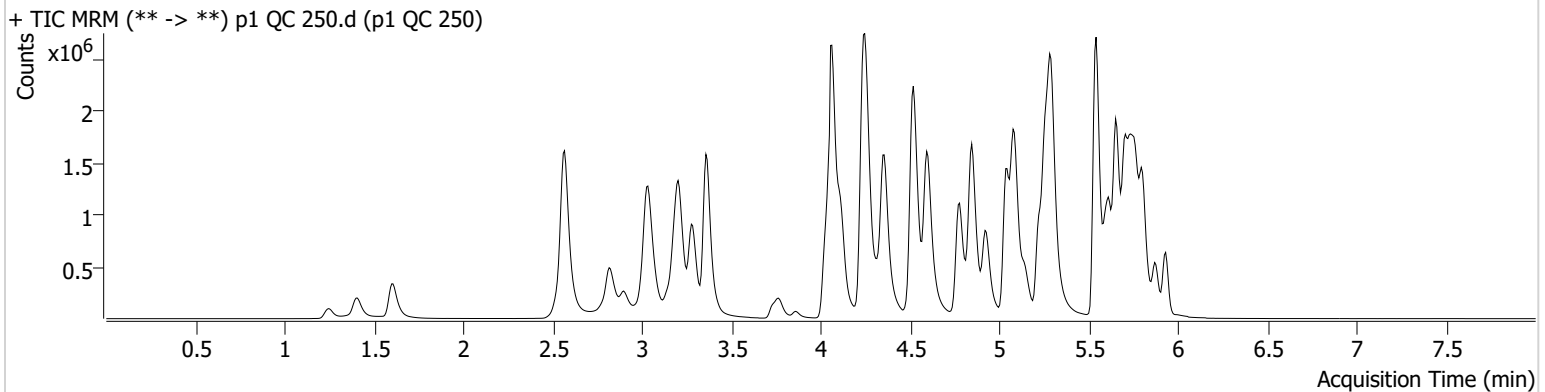
**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Calibration Last Update** 10/31/2023 9:47:04 AM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-C2  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 1:56:00 PM  
**Sample Info.**

**Data File** p1\_QC\_250.d  
**Sample** p1\_QC\_250  
**Operator** Tamara Salazar

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	30784	43012.80	76.0	40526.60	28984	24.3801 ng/ml
7-aminoclonazepam	4.231	445411	1243.16	82.8	1183.92	90249	248.9345 ng/ml
a-hydroxyalprazolam	5.676	207256	1360.50	84.6	966.76	38336	243.9130 ng/ml
alpha-PHP	4.929	611045	33762.85	269.6	40068.25	390218	265.8412 ng/ml
alpha-PVP	4.357	2469089	1168.30	47.4	13006.28	390218	244.2905 ng/ml
Alprazolam	5.753	888555	983.19	120.3	1953.32	136733	261.3530 ng/ml
Amphetamine	3.036	1223384	27169.01	264.1	3116.32	108328	284.9927 ng/ml
Benzoylcegonine	3.857	81664	9392.68	7.1	62.49	11007	247.4500 ng/ml
Bromazolam	5.791	264504	49738.28	121.4	2333.57	69605	232.9695 ng/ml
Buprenorphine	5.770	40893	1311.77	14.7	7195.14	62813	24.8870 ng/ml
Bupropion	4.779	1914245	3637.47	72.6	46628.99	209625	252.2514 ng/ml
Carisoprodol	5.715	407091	34955.37	53.0	230.70	65796	261.2767 ng/ml
Citalopram	5.226	1454832	59760.46	35.0	36699.95	245148	256.0084 ng/ml
Clonazepam	5.595	1239775	46649.99	31.7	444368.29	55537	263.4084 ng/ml
Clonazolam	5.545	614845	851583.29	26.5	52810.22	55537	224.8014 ng/ml
Cocaine	4.258	1573246	659.72	55.5	1786327.09	502115	247.8051 ng/ml
Codeine	2.552	162364	6272.33	119.7	15979.81	39593	270.6799 ng/ml
Cyclobenzaprine	5.625	1245346	977.83	8.6	199.80	234343	232.4876 ng/ml
Dextromethorphan	5.270	999244	36192.55	75.3	560.93	183421	244.8869 ng/ml
Dextrorphan	4.111	543646	659.67	222.2	4036.80	302249	244.7531 ng/ml
Diazepam	5.932	622120	965.03	88.9	4689.13	123021	251.4825 ng/ml
Dihydrocodeine	2.531	550418	1395.99	55.0	1203.81	128831	252.9104 ng/ml
Diphenhydramine	5.291	3608331	59210.79	24.9	78923.94	745906	252.9363 ng/ml
Doxylamine	4.518	3695858	87966.85	95.3	89252.65	627513	247.2853 ng/ml
Duloxetine	5.645	145401	35700.11	9.8	181.32	33776	250.4826 ng/ml
EDDP	5.262	1923300	143983.91	47.8	42068.53	462639	251.2202 ng/ml
Etizolam	5.798	476333	12772.11	27.9	11265.56	55537	241.2619 ng/ml
Fentanyl	5.089	112738	519.35	81.6	153408.04	310993	24.5890 ng/ml
Fluorofentanyl	5.143	511811	10683.98	34.8	5168.93	4043	24.8522 ng/ml
Fluoxetine	5.705	1271782	37094.95	6.9	177473.75	170216	249.9719 ng/ml
Hydrocodone	2.998	729145	423.34	26.1	186.54	184942	250.0629 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.609	695538	20271.46	71.8	11159.84	86064	244.4881 ng/ml
Hydroxyzine	5.695	876722	42546.89	79.3	886579.54	183421	243.1943 ng/ml
Ketamine	4.030	1423678	44367.60	39.8	12041.45	205050	260.5339 ng/ml
Lamotrigine	4.267	103381	632.13	90.3	149180.59	722118	251.9788 ng/ml
Lorazepam	5.731	654269	1292.90	50.1	581.79	168545	247.4066 ng/ml
MDA	3.184	1515147	8129.41	27.6	2390.43	143870	245.6701 ng/ml
MDMA	3.285	1425267	3088.80	80.9	9596.65	53876	252.6553 ng/ml
Meprobamate	4.889	170372	188.67	34.1	11971.19	33526	246.6457 ng/ml
Methadone	5.650	2705885	1268.91	39.1	1715.69	315731	244.2702 ng/ml
Methamphetamine	3.211	2075316	1497.63	38.9	820.39	575089	270.0857 ng/ml
Metoprolol	4.321	342523	571651.17	103.0	750823.86	496083	261.7824 ng/ml
Mirtazapine	4.594	3094209	61344.29	51.6	4197.86	390218	255.9841 ng/ml
Mitragynine	5.217	442740	5060.73	32.0	88232.91	315731	265.2363 ng/ml
Morphine	1.247	108659	1249.62	17.1	374.73	6706	244.4329 ng/ml
Norbuprenorphine	4.998	3468	317.96	113.5	22.61	8379	26.5089 ng/ml
Nordiazepam	5.878	582828	3362.55	70.1	3336.54	82160	256.3820 ng/ml
Norfentanyl	4.078	337533	29122.46	34.0	3795.01	484320	24.0895 ng/ml
Norhydrocodone	3.060	69872	179.43	31.7	286.21	27817	232.1651 ng/ml
Noroxycodone	2.896	538307	634.30	47.0	4347.57	58103	248.5730 ng/ml
O-desmethyl-tramadol	3.358	3597512	3684.89	5.0	818.36	821424	251.5458 ng/ml
o-desmethylvenlafaxine	4.063	3606975	99835.45	17.3	4395.75	145473	256.8650 ng/ml
Olanzapine	4.353	364917	2184.77	56.1	2101.26	24331	252.1654 ng/ml
Oxazepam	5.734	691621	327.26	84.2	∞	168545	259.6886 ng/ml
Oxycodone	2.814	1488493	1935.84	28.2	1939.77	191747	257.1264 ng/ml
Oxymorphone	1.405	495910	564.39	46.0	∞	56305	250.4550 ng/ml
Phentermine	3.767	469017	∞	6.7	6490.57	372497	246.2210 ng/ml
Promethazine	5.542	2756713	32081.87	33.6	671.61	481277	250.9662 ng/ml
Pseudoephedrine	2.569	3736986	139379.85	14.9	2180.39	722118	247.7104 ng/ml
Quetiapine	5.538	1698073	91564.96	59.8	192360.47	93962	248.6040 ng/ml
Sertraline	5.767	482038	42573.56	105.0	11979.26	91032	251.1696 ng/ml
Temazepam	5.801	1208954	11431.37	32.0	1328.06	262083	248.8281 ng/ml
Tramadol	4.240	2754993	∞	3.5	384.70	496083	261.6221 ng/ml
Trazodone	5.081	2916831	97797.50	54.6	268114.61	301551	244.2080 ng/ml
Venlafaxine	5.036	2297306	54558.22	42.4	784.03	650704	241.0880 ng/ml
Xylazine	4.065	1324171	1105375.87	47.0	3882.21	179258	252.7498 ng/ml
Zolpidem	4.845	3485515	19441.20	28.2	4809.86	584754	254.3915 ng/ml

TS



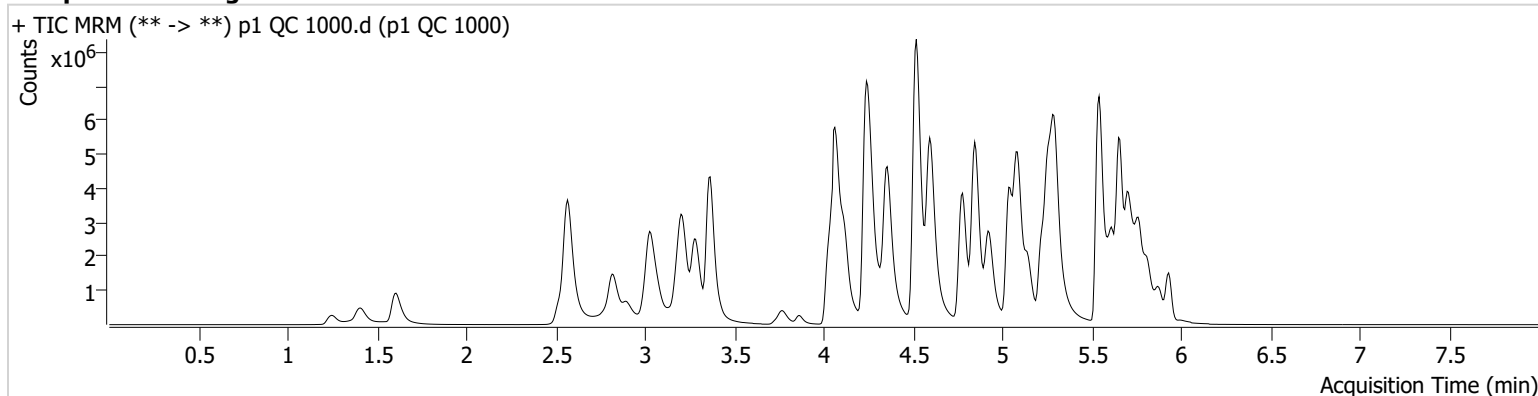
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Calibration Last Update** 10/31/2023 9:47:04 AM

**Instrument** Falco (069901) **Data File** p1 QC 1000.d  
**Type** QC **Sample** p1 QC 1000  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-D2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 2:17:16 PM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	116136	779.42	72.5	729.33	27275	97.6031 ng/ml
7-aminoclonazepam	4.231	832969	3724.36	79.9	5489.63	60908	690.7282 ng/ml
a-hydroxyalprazolam	5.676	342637	271.88	78.4	255.80	13459	1145.0486 ng/ml
alpha-PHP	4.929	2183463	1664.31	267.9	337932.85	315548	1174.0871 ng/ml
alpha-PVP	4.357	8501997	500805.95	48.6	5136.31	315548	1039.4308 ng/ml
Alprazolam	5.760	2122005	649.09	113.9	1275.64	81916	1039.8081 ng/ml
Amphetamine	3.036	2851386	3491.49	265.5	67189.07	95666	805.9661 ng/ml
Benzoylcegonine	3.864	339209	490403.71	7.8	20937.33	11145	1015.9440 ng/ml
Bromazolam	5.791	559158	741428.12	121.7	336408.14	33696	1016.2321 ng/ml
Buprenorphine	5.770	129256	42087.48	14.2	14930.05	53135	93.3342 ng/ml
Bupropion	4.779	7165093	428186.66	70.8	1377.27	200865	985.3342 ng/ml
Carisoprodol	5.715	537098	738622.20	53.2	660.69	21786	1041.2824 ng/ml
Citalopram	5.220	4146967	55674.17	35.0	303588.28	177347	1007.4308 ng/ml
Clonazepam	5.595	2184471	58494.13	31.8	33915.21	30888	835.5102 ng/ml
Clonazolam	5.552	940671	672155.02	28.0	240621.01	30888	620.1297 ng/ml
Cocaine	4.258	4866481	1054.42	56.4	98800.03	379037	1015.5771 ng/ml
Codeine	2.546	413926	448.44	110.5	3038.54	29180	937.7850 ng/ml
Cyclobenzaprine	5.618	3927724	956.35	7.8	529.83	159990	1070.7322 ng/ml
Dextromethorphan	5.270	2716748	418.56	74.1	2222.06	122797	994.0641 ng/ml
Dextrorphan	4.118	1751547	1088.38	225.6	48810.07	222506	1070.6574 ng/ml
Diazepam	5.932	1762184	4728.28	88.9	5792.33	88719	987.6773 ng/ml
Dihydrocodeine	2.524	1717875	1928.97	56.8	903.38	118515	858.6079 ng/ml
Diphenhydramine	5.298	10567995	807.89	26.0	30641.87	548788	1006.3737 ng/ml
Doxylamine	4.518	15213248	19170.79	90.5	439276.60	579779	1099.6296 ng/ml
Duloxetine	5.645	282312	7368.96	10.9	143.84	15372	1067.4241 ng/ml
EDDP	5.256	7044761	112206.18	46.2	105452.06	391639	1086.2769 ng/ml
Etizolam	5.798	1252075	36836.75	28.6	1393.49	30888	1139.3060 ng/ml
Fentanyl	5.089	393203	29388.47	75.9	279613.08	232123	114.5411 ng/ml
Fluorofentanyl	5.143	2150536	63291.43	34.8	11210.00	4143	101.8414 ng/ml
Fluoxetine	5.712	2698315	465.75	7.1	176.11	89423	1008.6043 ng/ml
Hydrocodone	2.998	2260021	∞	28.0	439.17	159861	898.3478 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.609	2293041	7086645.33	72.7	6833661.42	70769	979.6610 ng/ml
Hydroxyzine	5.695	2621382	26380.81	88.4	15099.54	122797	1085.2583 ng/ml
Ketamine	4.030	4158473	161372.66	38.5	535.69	180403	866.9843 ng/ml
Lamotrigine	4.274	231803	10337.52	95.0	16927.62	473878	861.4624 ng/ml
Lorazepam	5.731	573354	15928.52	50.0	149.97	41678	879.8079 ng/ml
MDA	3.177	2830288	10818.14	26.9	6061.03	94137	702.0617 ng/ml
MDMA	3.285	4471171	1941.69	81.5	2505.67	42625	1002.1801 ng/ml
Meprobamate	4.889	363547	251654.09	32.9	4975.91	18927	930.9259 ng/ml
Methadone	5.657	9479471	73876.95	38.4	218242.37	255680	1054.5107 ng/ml
Methamphetamine	3.211	7019584	71761.29	36.8	1090.98	557477	976.0015 ng/ml
Metoprolol	4.321	846785	1324929.83	102.4	10657.19	423500	759.2136 ng/ml
Mirtazapine	4.594	11290196	6506.79	48.7	5397.04	315548	1152.5178 ng/ml
Mitragynine	5.217	1390407	5765.28	32.7	7035.42	255680	1027.0593 ng/ml
Morphine	1.247	347034	1368.25	17.3	88.10	5770	907.6975 ng/ml
Norbuprenorphine	4.991	13343	16022.32	104.5	24208.11	8195	105.9485 ng/ml
Nordiazepam	5.878	1324262	494.96	69.6	11997.76	47122	1015.8831 ng/ml
Norfentanyl	4.085	694766	26476.81	35.0	7375.44	219811	109.0805 ng/ml
Norhydrocodone	3.053	259436	228.21	34.0	347.16	20020	1194.9235 ng/ml
Noroxycodone	2.896	1380909	952.27	47.7	3844.34	39659	934.3510 ng/ml
O-desmethyl-tramadol	3.365	12580625	445848.09	5.1	352522.73	695445	1038.1895 ng/ml
o-desmethylvenlafaxine	4.063	8885130	389999.35	17.5	3290.50	83137	1105.5669 ng/ml
Olanzapine	4.353	1432109	4587.55	59.4	1904.45	22574	1065.0682 ng/ml
Oxazepam	5.734	648562	155.91	84.2	242.69	41678	984.6099 ng/ml
Oxycodone	2.814	5318892	6208.42	28.4	1315.96	182279	966.6099 ng/ml
Oxymorphone	1.405	1559919	435.97	44.0	∞	45924	965.9761 ng/ml
Phentermine	3.773	1381389	733.37	6.3	622.02	328810	822.5892 ng/ml
Promethazine	5.542	9822687	3425.86	32.1	1729.71	389795	1102.2996 ng/ml
Pseudoephedrine	2.569	10963029	135112.27	14.5	86215.73	473878	1104.3804 ng/ml
Quetiapine	5.531	4450524	35616.83	61.3	54717.50	80592	761.5147 ng/ml
Sertraline	5.767	1004112	65985.60	103.3	42411.24	46863	1015.3163 ng/ml
Temazepam	5.815	1935240	20703.19	31.5	4960.79	95961	1087.2307 ng/ml
Tramadol	4.240	9012336	∞	3.6	366.78	423500	1003.2184 ng/ml
Trazodone	5.081	8813879	230115.71	61.7	299985.26	234930	947.5755 ng/ml
Venlafaxine	5.036	8346912	4578.81	38.7	38935.48	539821	1054.6862 ng/ml
Xylazine	4.065	4412280	449057.06	49.6	2514.94	140897	1070.1645 ng/ml
Zolpidem	4.845	12860708	32647.20	27.0	7830.13	551827	995.2052 ng/ml

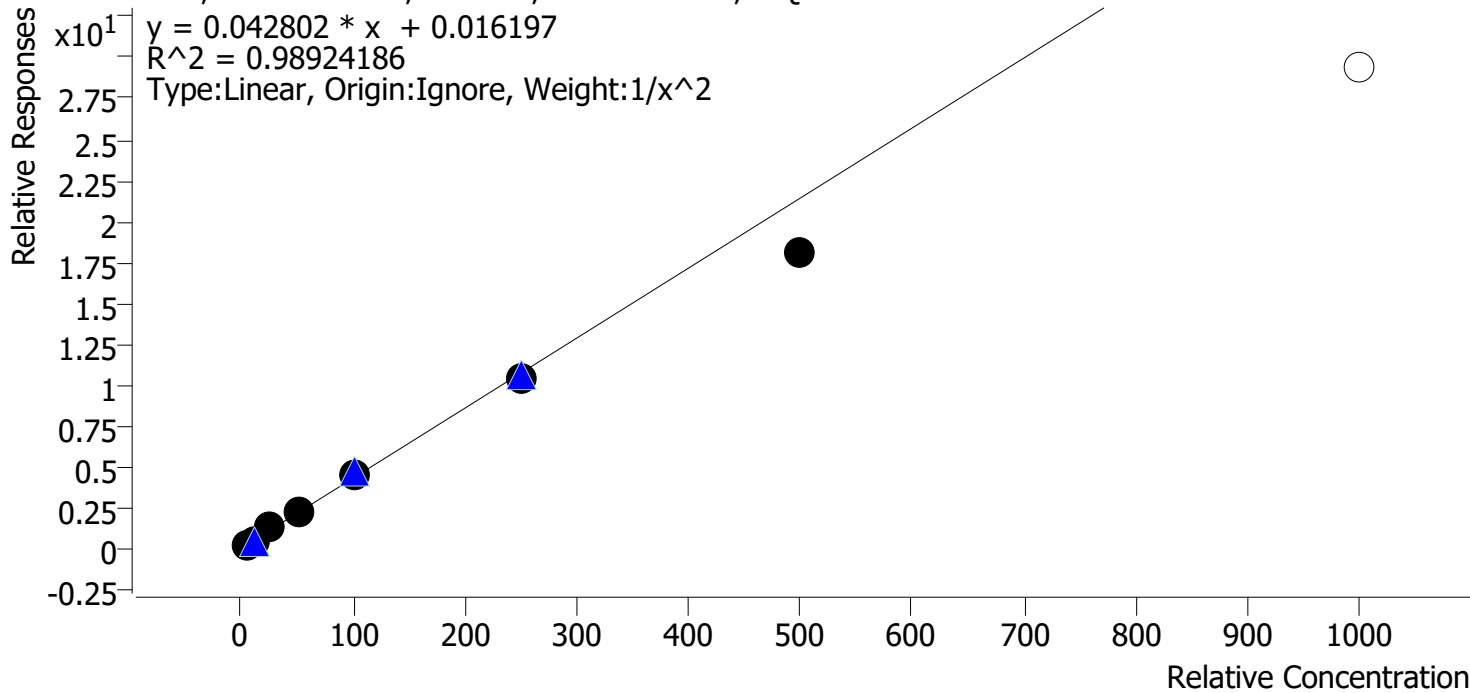
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	28.0	112.0
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	240.3	96.1
p1 Cal 7-500ng	7	✓	500.0	422.3	84.5
p1 Cal 8-1000ng	8	✗	1000.0	685.0	68.5

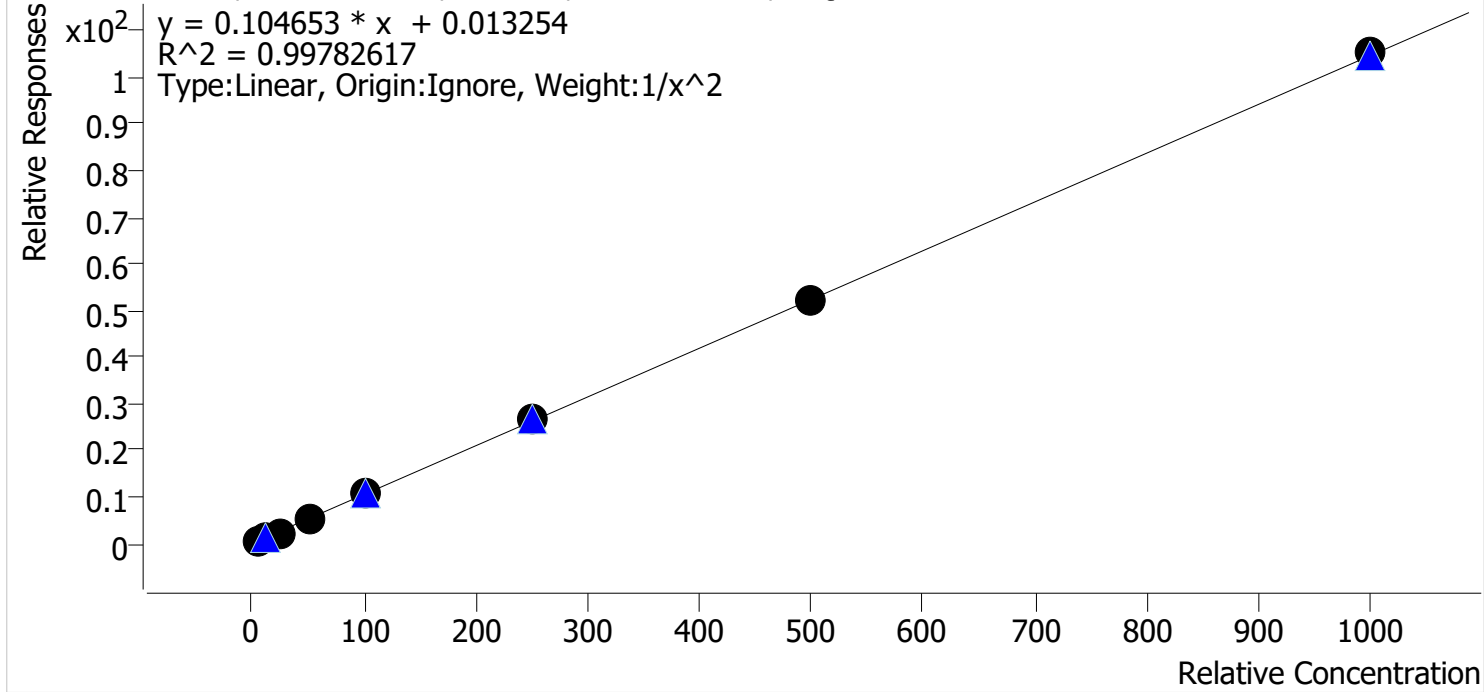
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	22.6	90.6
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	495.3	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1006.3	100.6

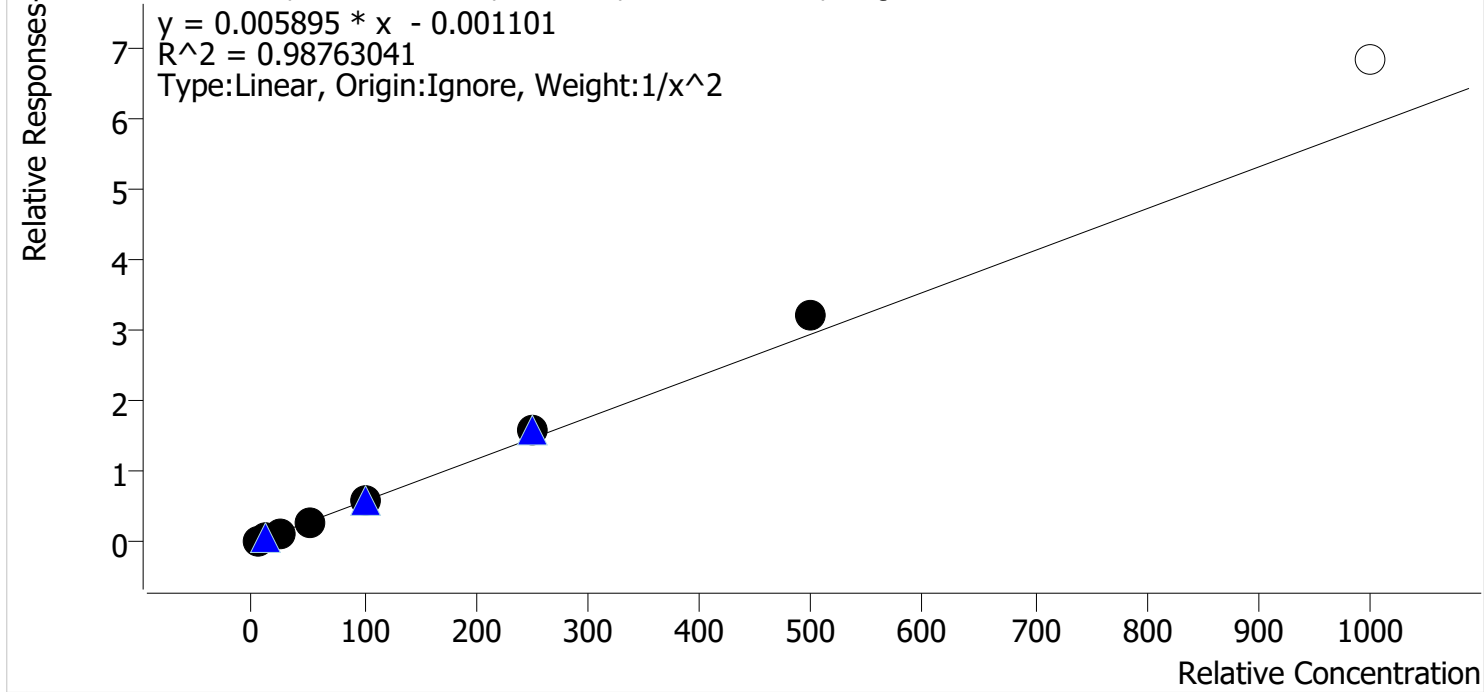
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-D8

alpha-PHP - 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	103.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	20.2	80.7
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	266.8	106.7
p1 Cal 7-500ng	7	✓	500.0	548.7	109.7
p1 Cal 8-1000ng	8	✗	1000.0	1159.7	116.0

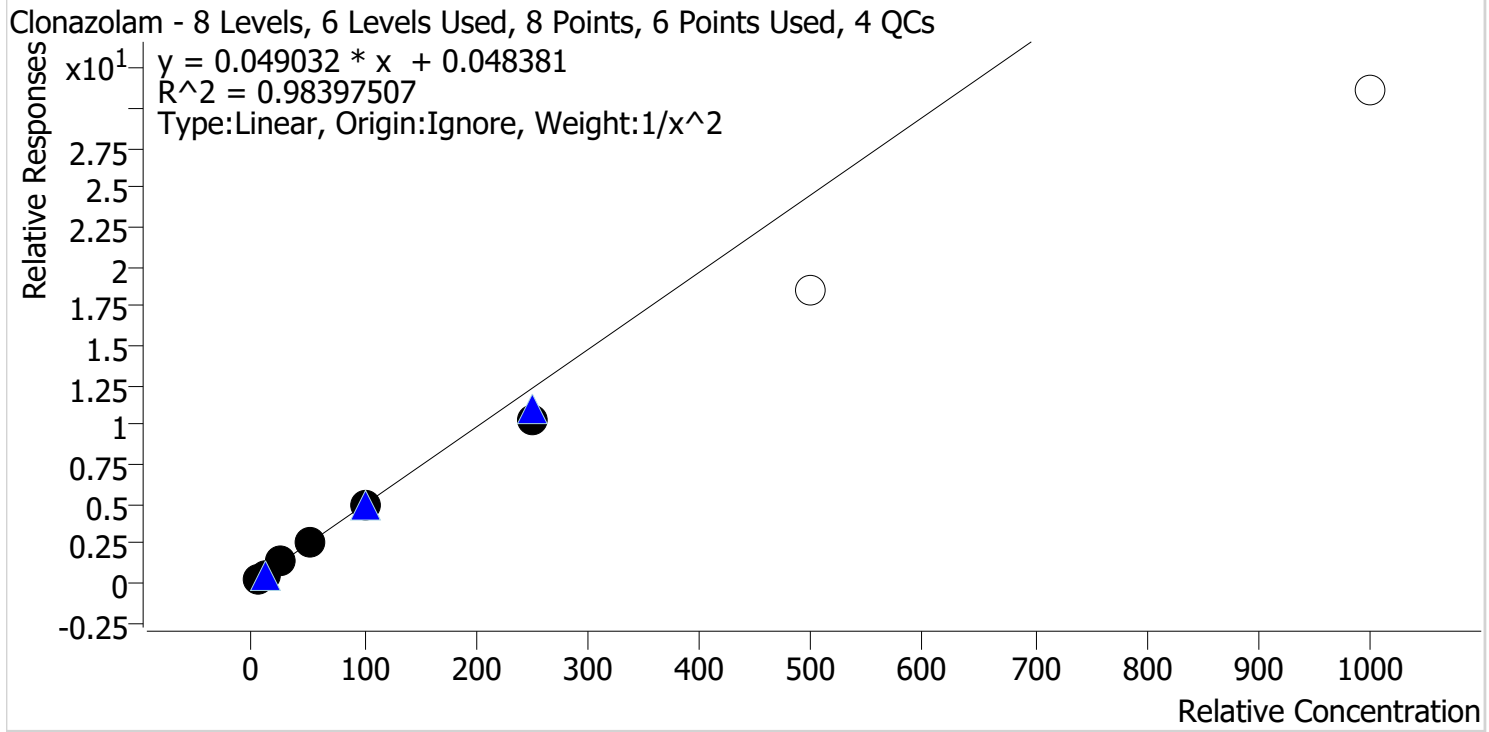


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	95.9
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	28.8	115.1
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	209.6	83.8
p1 Cal 7-500ng	7	x	500.0	375.5	75.1
p1 Cal 8-1000ng	8	x	1000.0	634.0	63.4

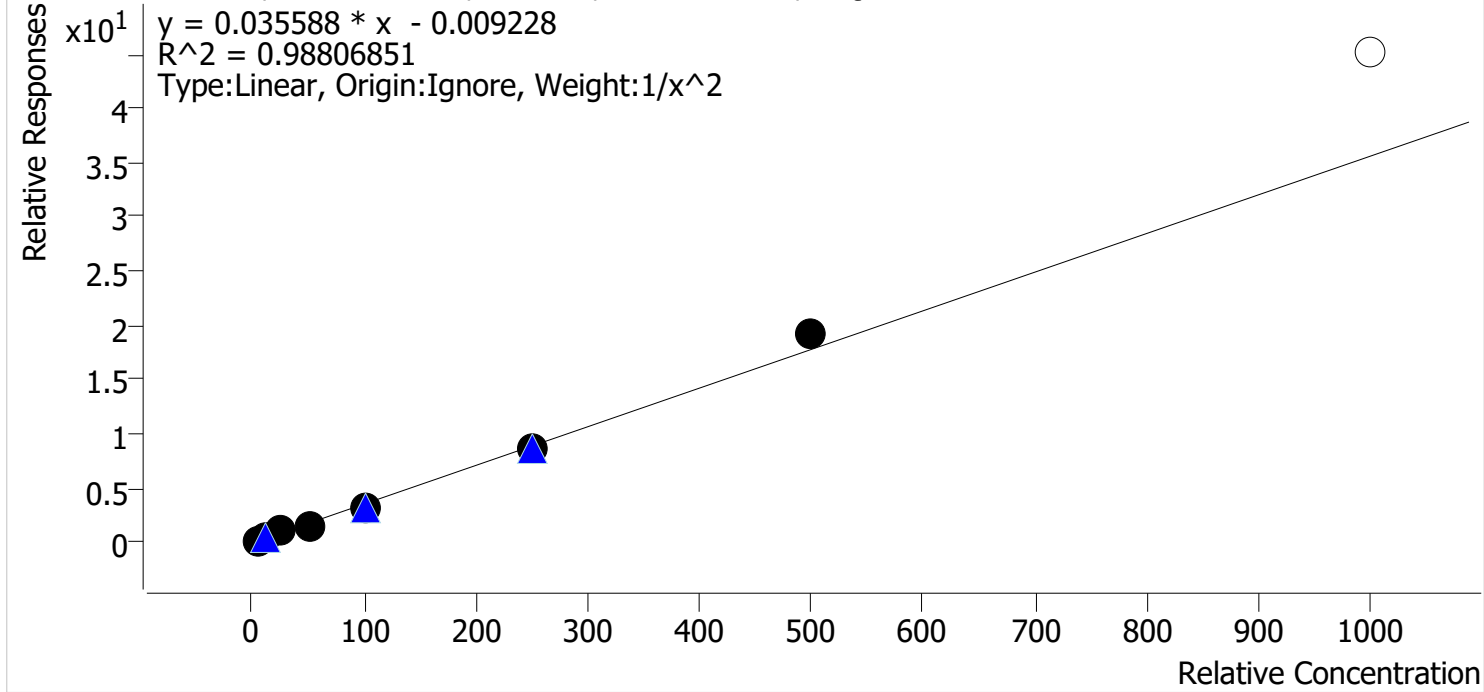
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



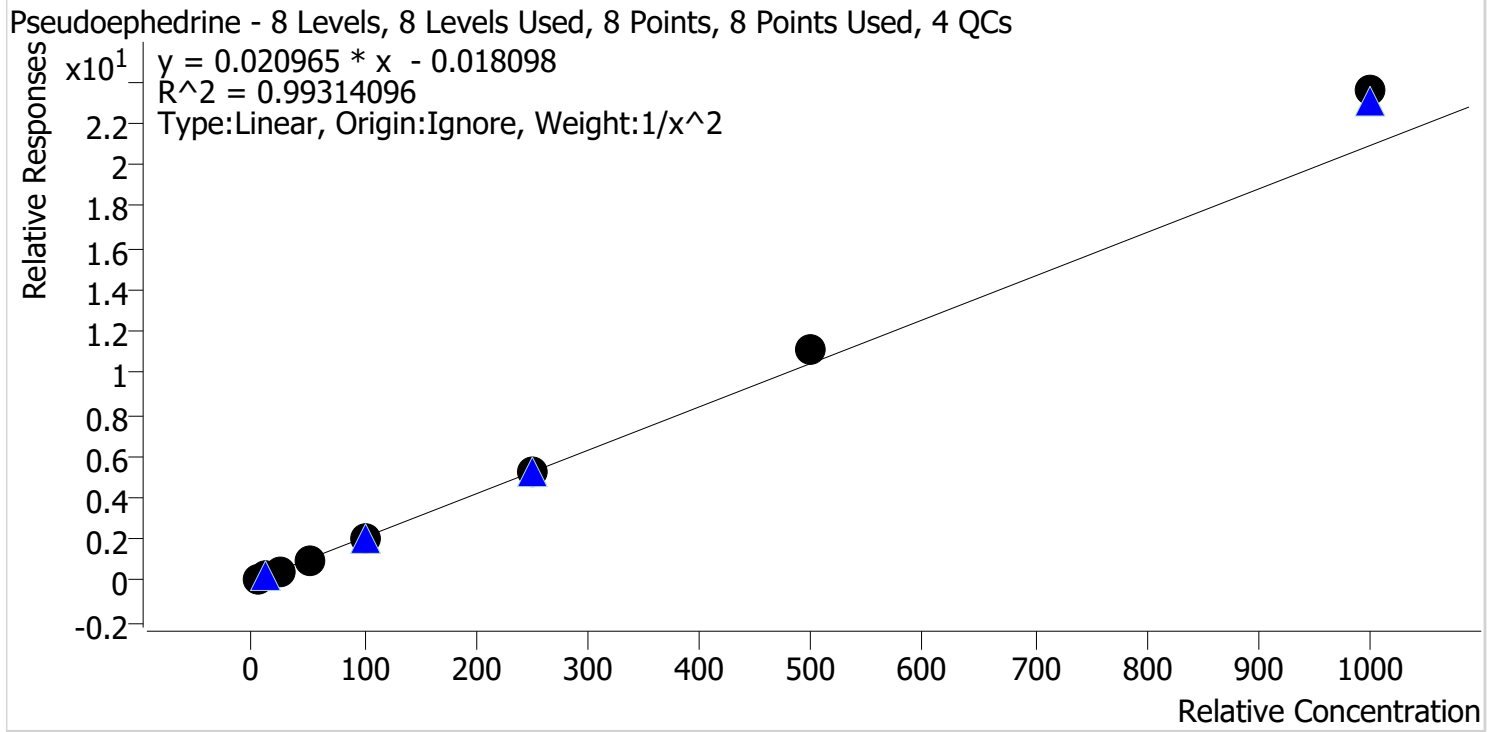
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.4	93.5
p1 Cal 3 -25ng	3	✓	25.0	29.1	116.6
p1 Cal 4-50ng	4	✓	50.0	45.5	90.9
p1 Cal 5-100ng	5	✓	100.0	94.2	94.2
p1 Cal 6-250ng	6	✓	250.0	239.1	95.7
p1 Cal 7-500ng	7	✓	500.0	539.9	108.0
p1 Cal 8-1000ng	8	✗	1000.0	1268.2	126.8

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	104.5
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	46.3	92.6
p1 Cal 5-100ng	5	✓	100.0	95.0	95.0
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	532.5	106.5
p1 Cal 8-1000ng	8	✓	1000.0	1126.1	112.6

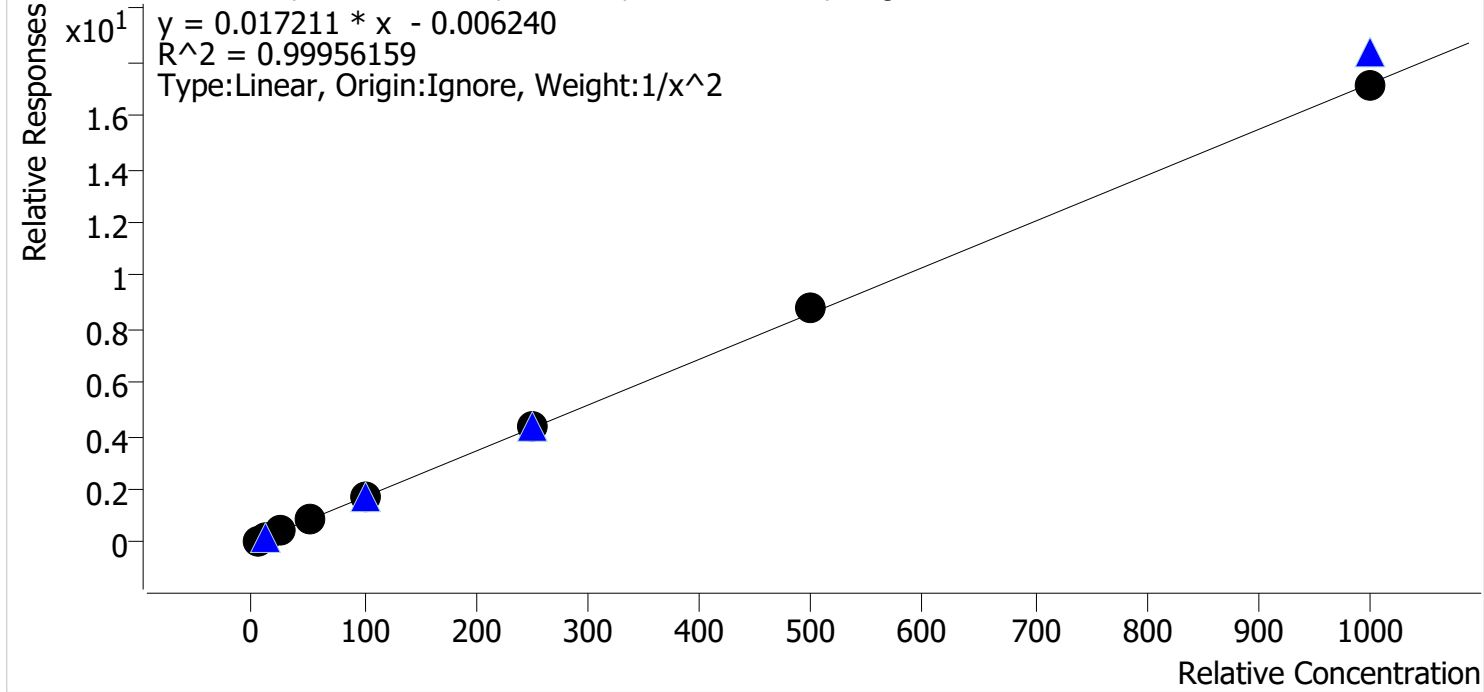
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-D3

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



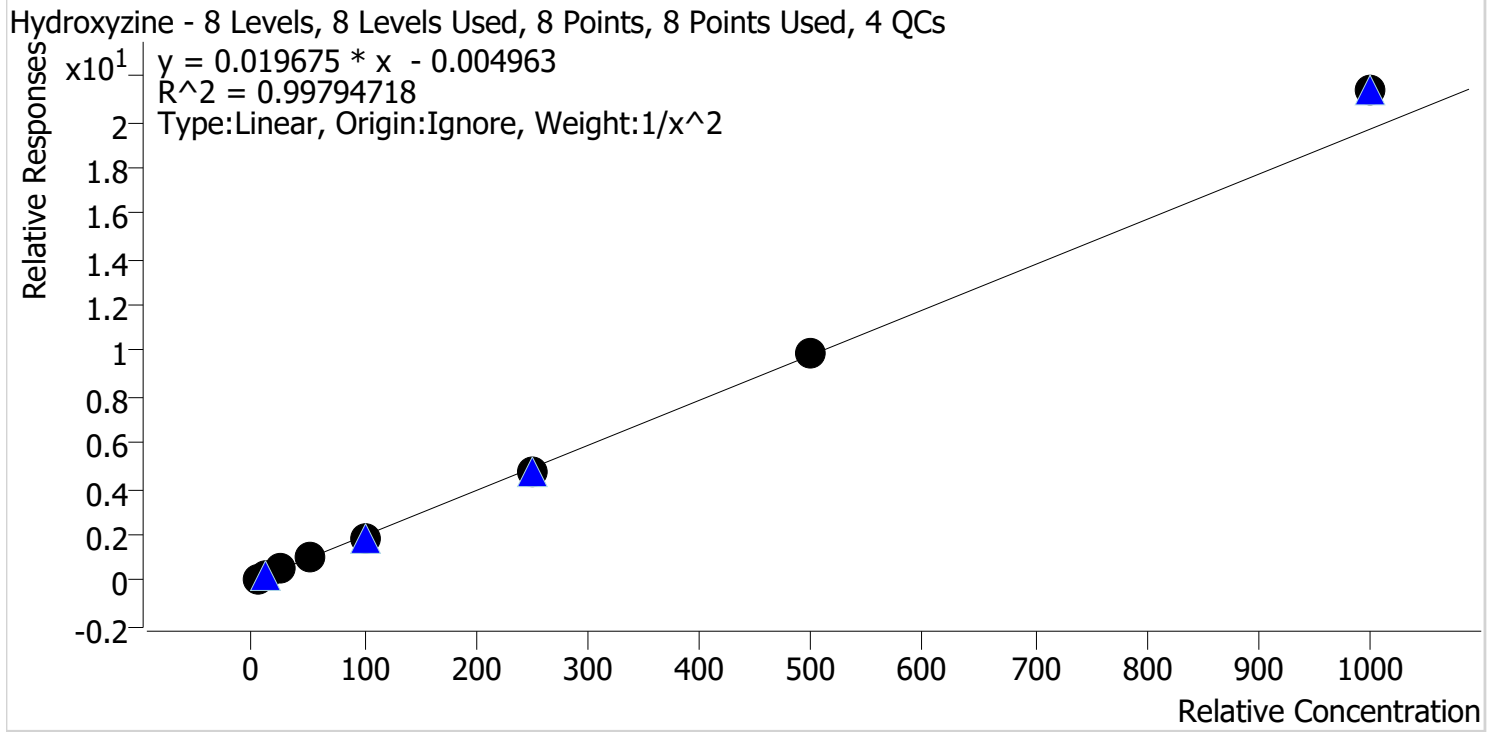
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	509.1	101.8
p1 Cal 8-1000ng	8	✓	1000.0	998.8	99.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydroxyzine **Internal Standard** Dextromethorphan-D3



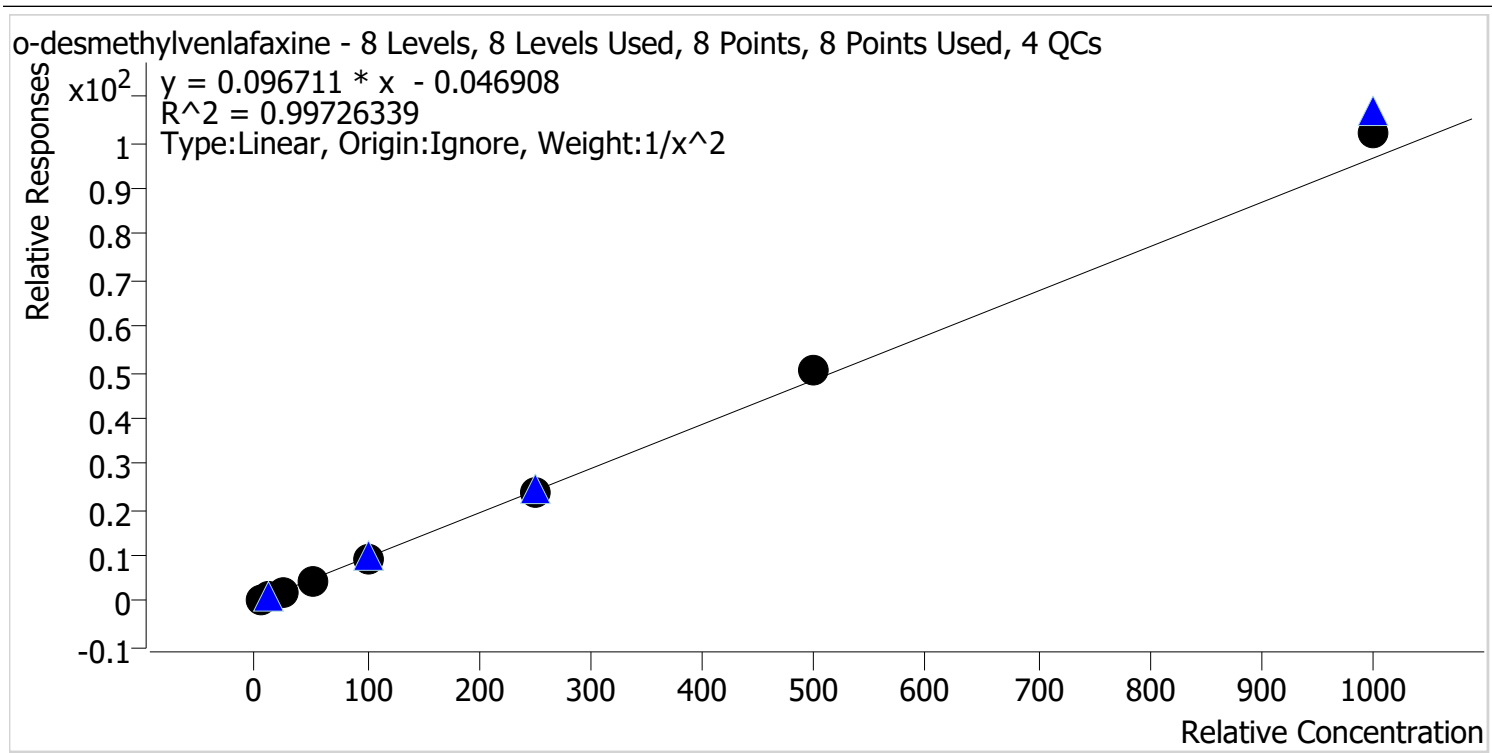
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	95.2	95.2
p1 Cal 6-250ng	6	✓	250.0	242.0	96.8
p1 Cal 7-500ng	7	✓	500.0	503.2	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1085.1	108.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.4	93.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	247.1	98.9
p1 Cal 7-500ng	7	✓	500.0	524.9	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1060.3	106.0

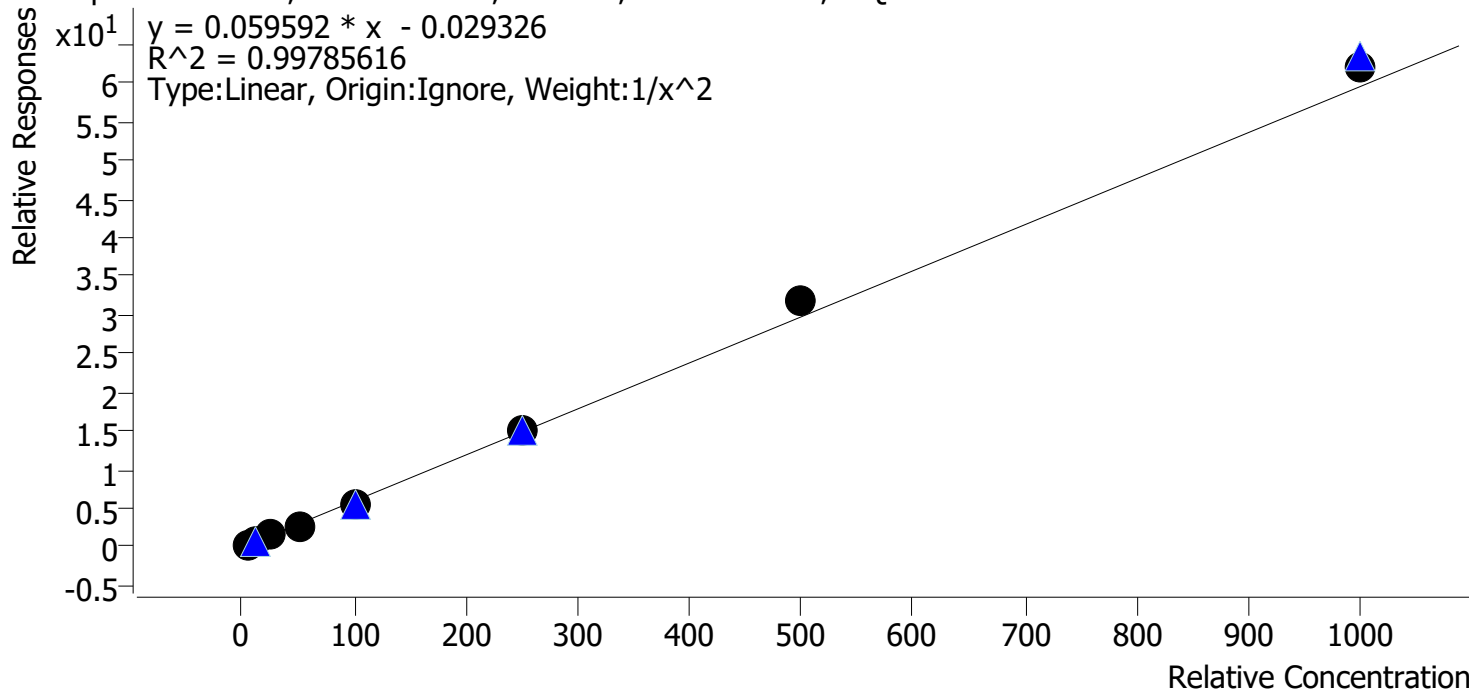
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Olanzapine **Internal Standard** Olanzapine-D8

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



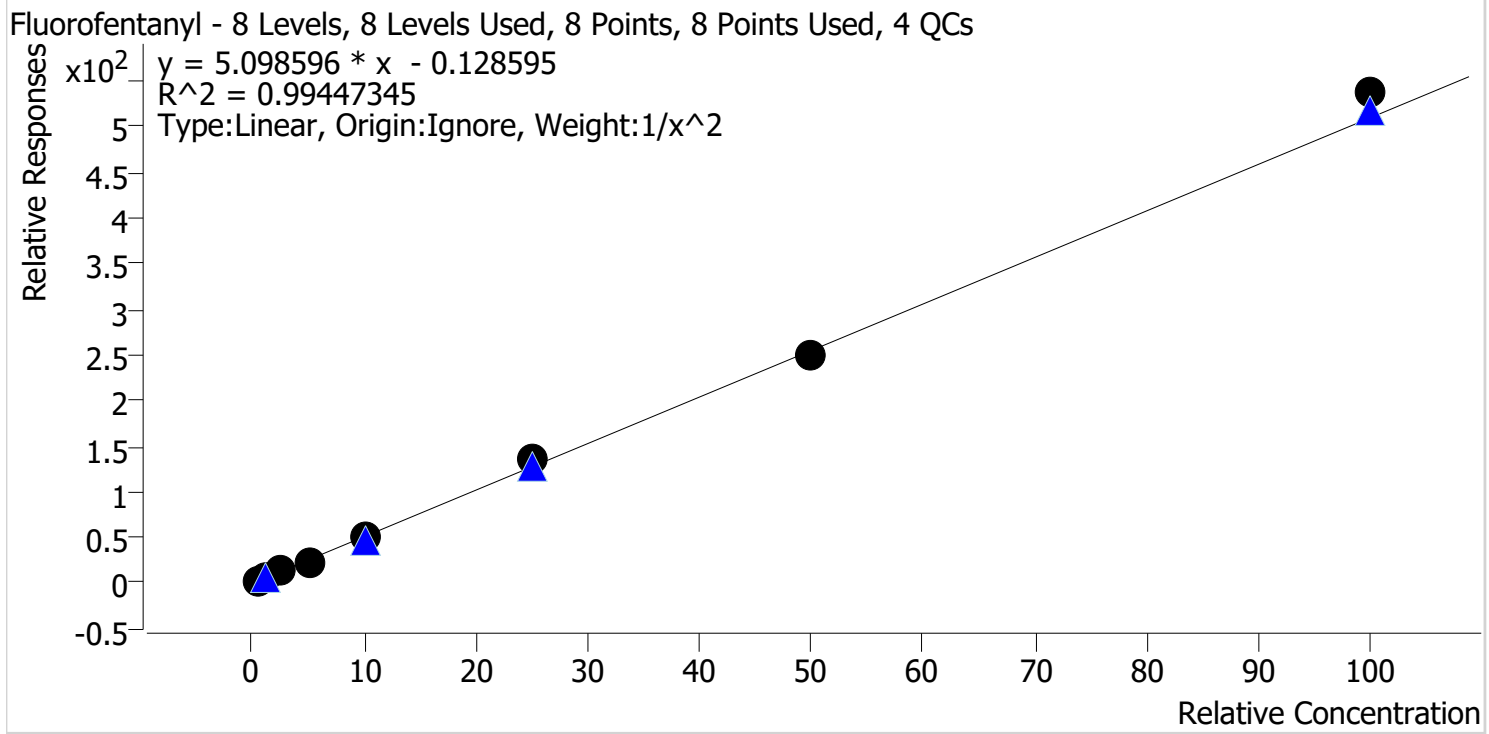
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	47.7	95.5
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	532.4	106.5
p1 Cal 8-1000ng	8	✓	1000.0	1043.2	104.3

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	106.3
p1 Cal 2-10ng	2	✓	1.0	0.9	88.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	98.0
p1 Cal 4-50ng	4	✓	5.0	4.8	95.1
p1 Cal 5-100ng	5	✓	10.0	10.1	101.1
p1 Cal 6-250ng	6	✓	25.0	27.0	108.0
p1 Cal 7-500ng	7	✓	50.0	48.7	97.3
p1 Cal 8-1000ng	8	✓	100.0	105.4	105.4

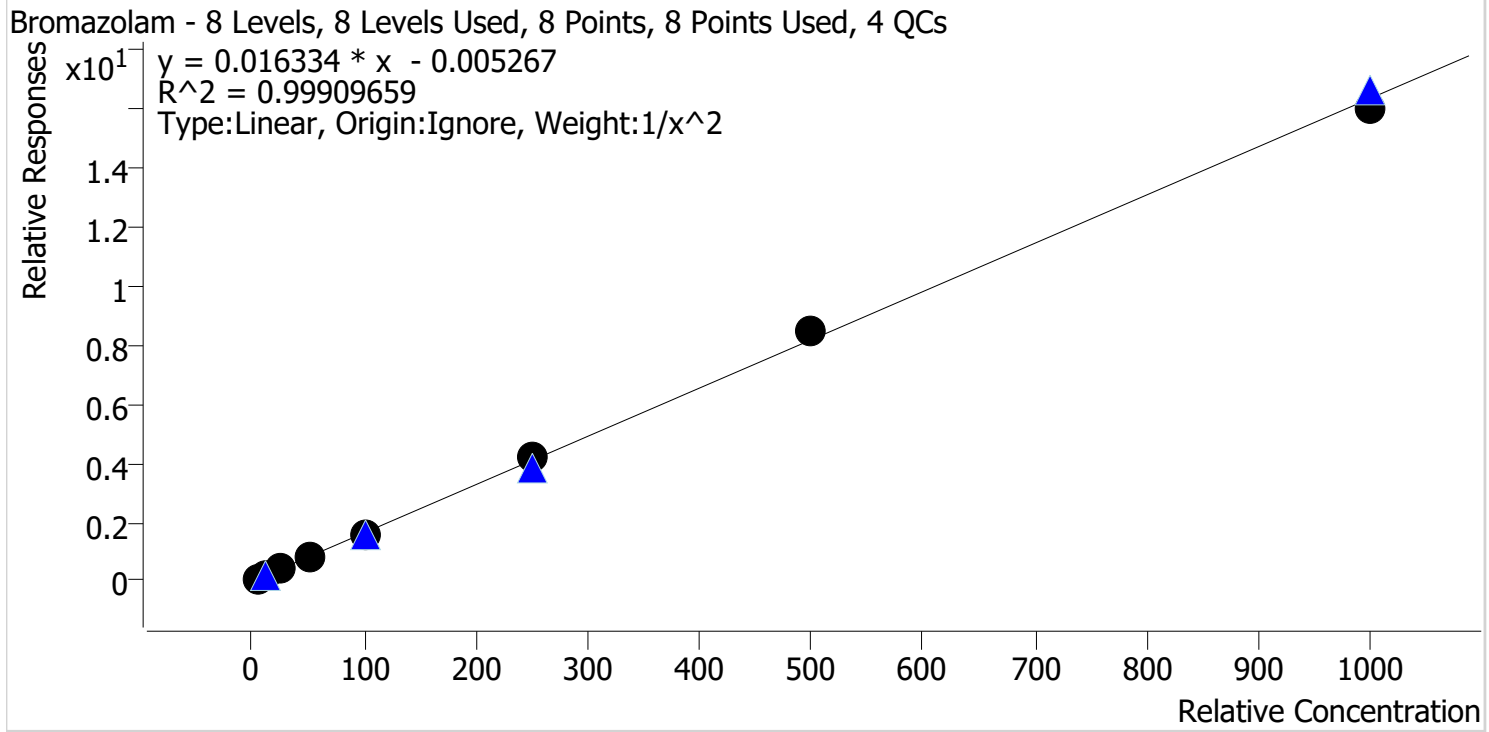


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	256.5	102.6
p1 Cal 7-500ng	7	✓	500.0	520.8	104.2
p1 Cal 8-1000ng	8	✓	1000.0	975.8	97.6

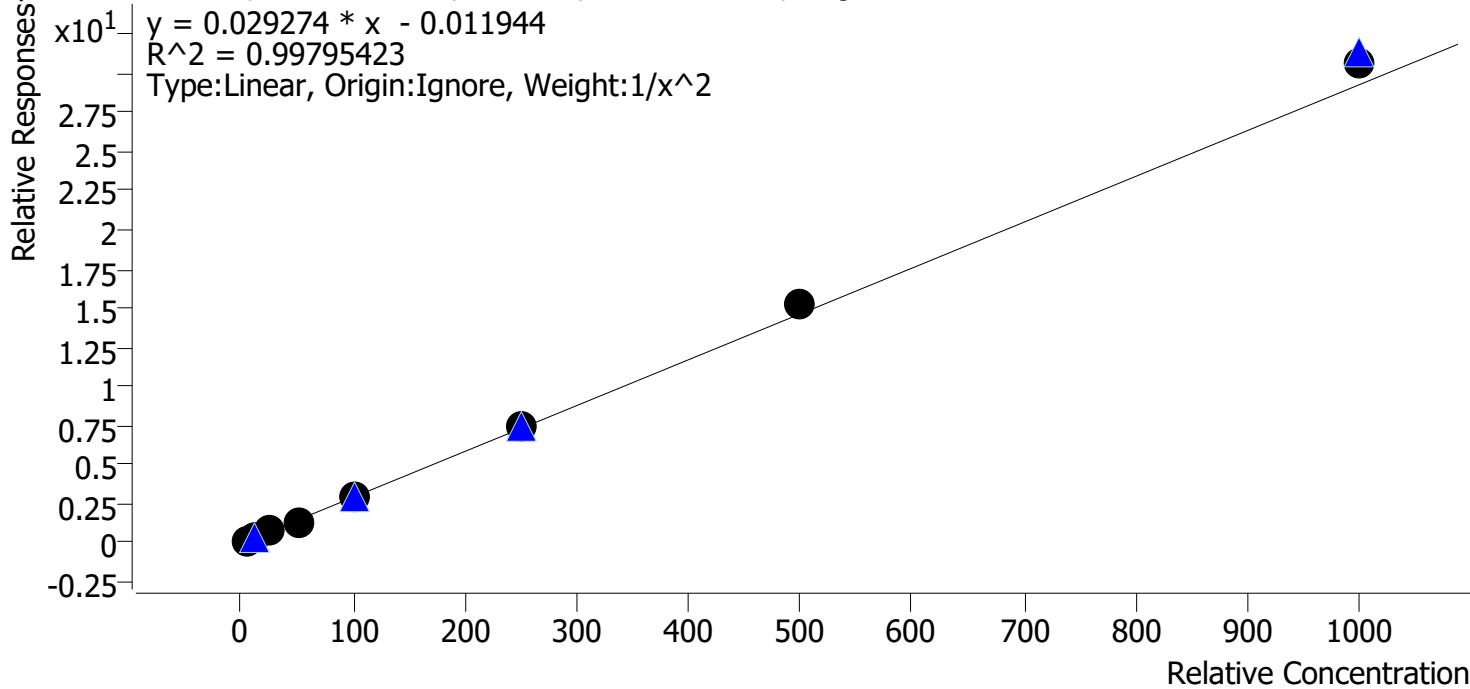
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Xylazine **Internal Standard** Xylanzine-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	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	47.8	95.5
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	524.1	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1049.2	104.9

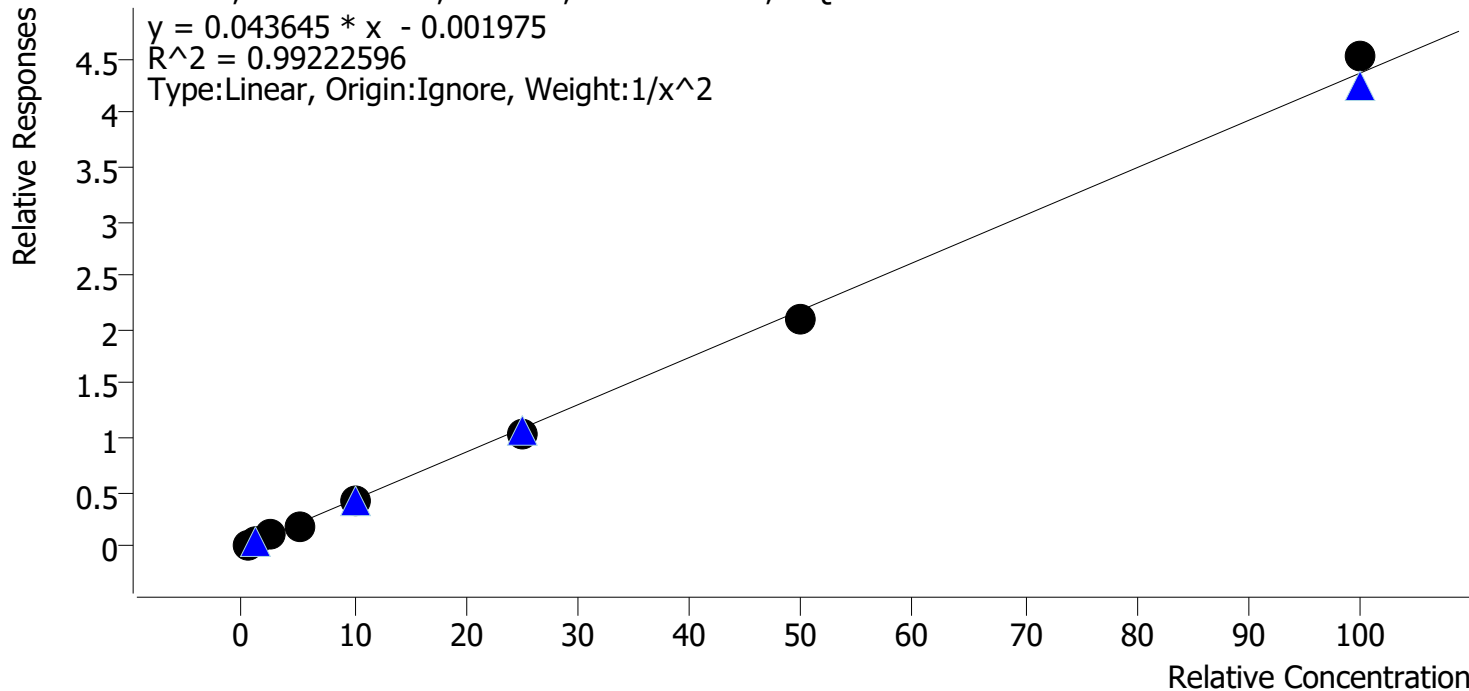
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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



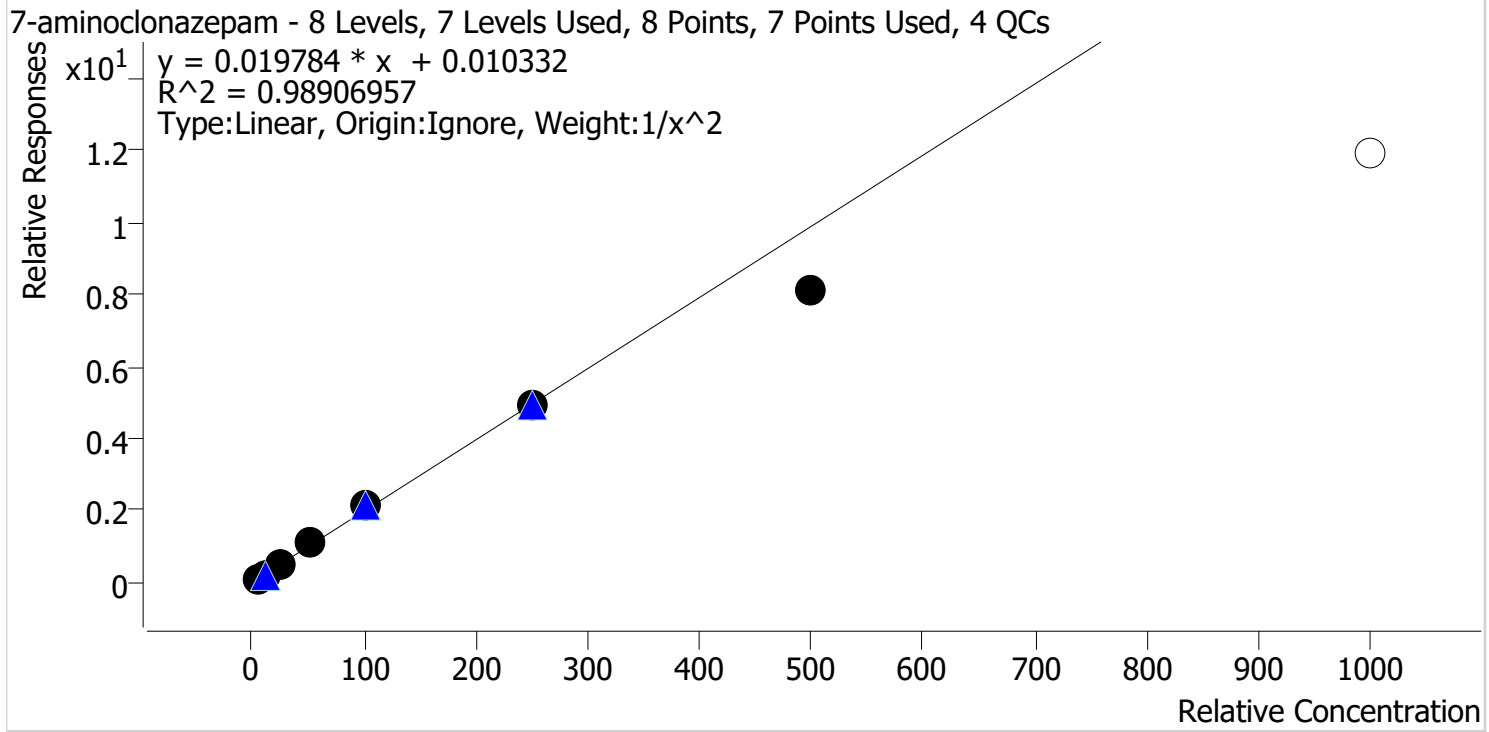
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	94.3
p1 Cal 2-10ng	2	✓	1.0	1.1	108.2
p1 Cal 3 -25ng	3	✓	2.5	2.8	113.7
p1 Cal 4-50ng	4	✓	5.0	4.6	91.4
p1 Cal 5-100ng	5	✓	10.0	9.6	95.6
p1 Cal 6-250ng	6	✓	25.0	24.2	96.7
p1 Cal 7-500ng	7	✓	50.0	48.3	96.6
p1 Cal 8-1000ng	8	✓	100.0	103.5	103.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	409.8	82.0
p1 Cal 8-1000ng	8	✗	1000.0	602.2	60.2

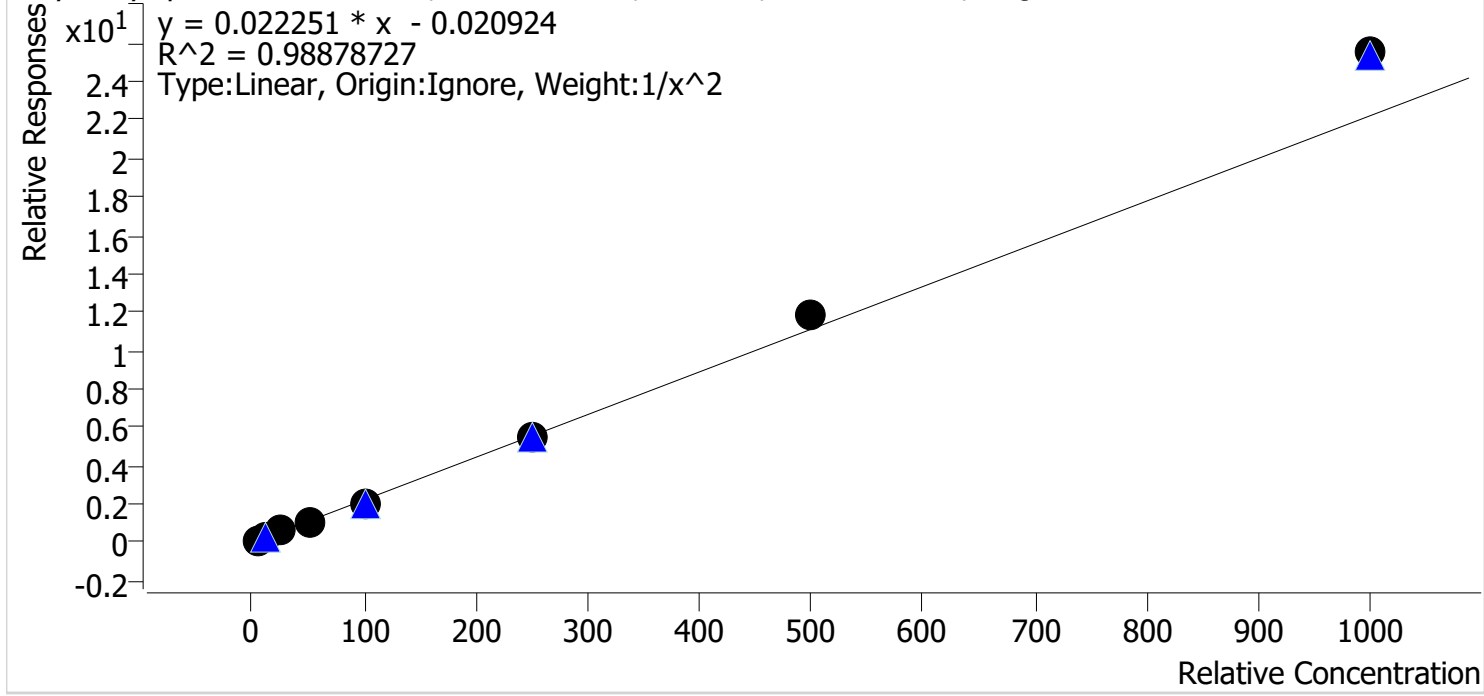
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	5.3	105.6
p1 Cal 2-10ng	2	✓	10.0	9.0	90.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	46.3	92.5
p1 Cal 5-100ng	5	✓	100.0	88.0	88.0
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	533.6	106.7
p1 Cal 8-1000ng	8	✓	1000.0	1148.6	114.9

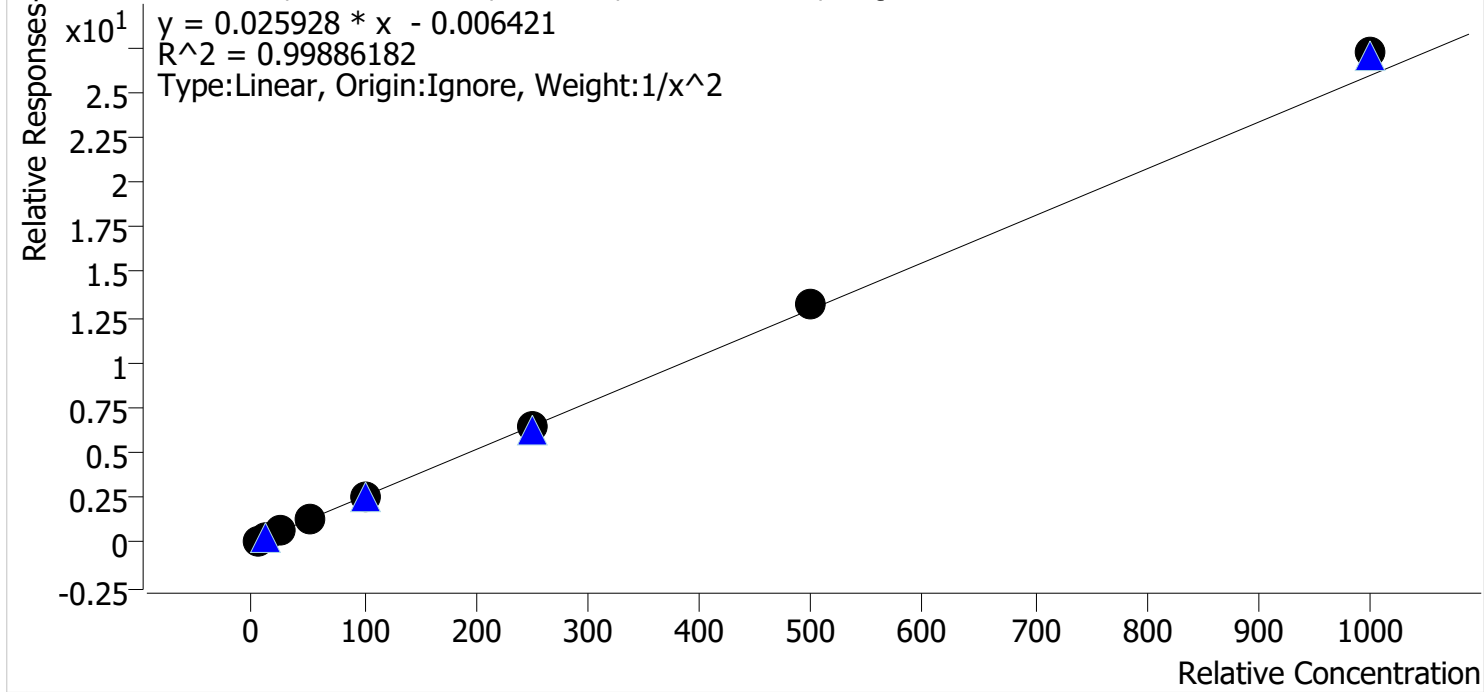
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	101.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	48.1	96.1
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	511.7	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1048.9	104.9

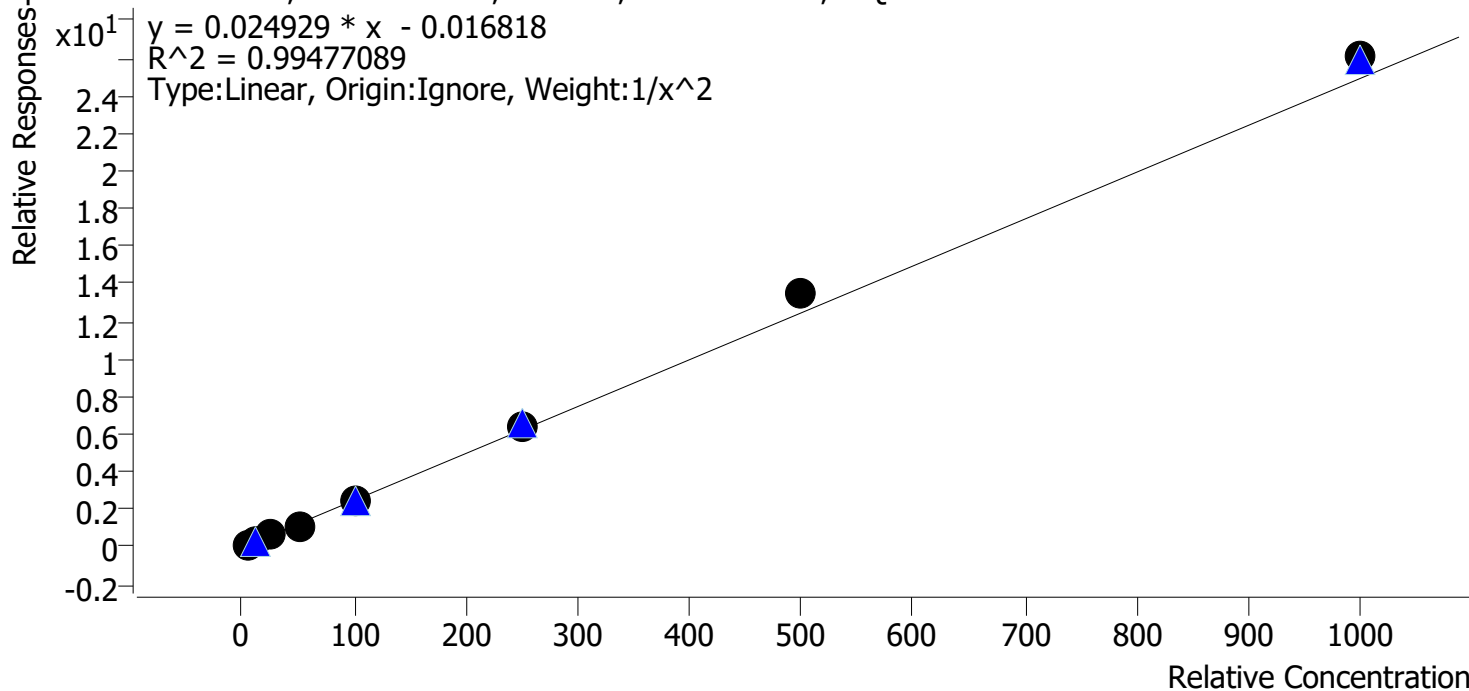
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	5.2	104.8
p1 Cal 2-10ng	2	✓	10.0	9.3	93.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	44.7	89.3
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	538.9	107.8
p1 Cal 8-1000ng	8	✓	1000.0	1046.7	104.7

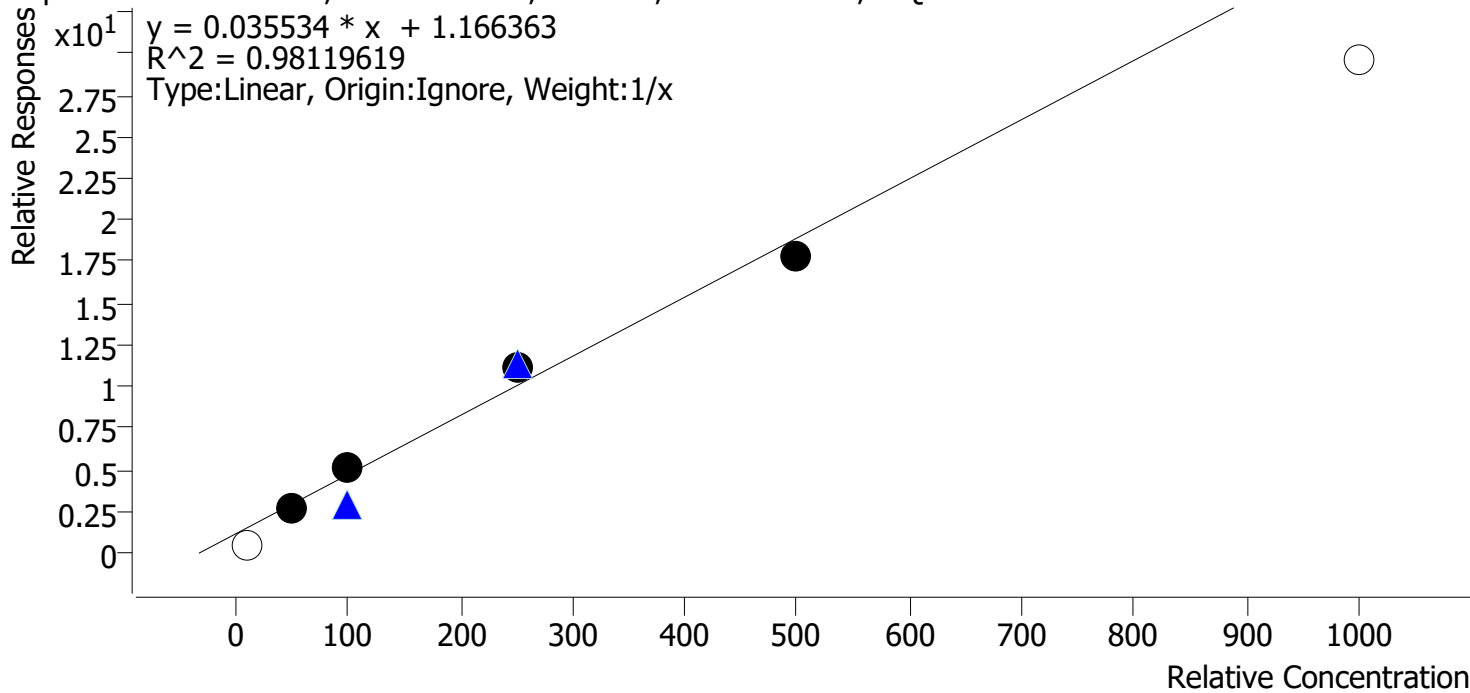
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	x	10.0	0.0	0.0
p1 Cal 4-50ng	4	✓	50.0	41.1	82.3
p1 Cal 5-100ng	5	✓	100.0	112.7	112.7
p1 Cal 6-250ng	6	✓	250.0	279.1	111.6
p1 Cal 7-500ng	7	✓	500.0	467.1	93.4
p1 Cal 8-1000ng	8	x	1000.0	801.1	80.1

Compound not evaluated.

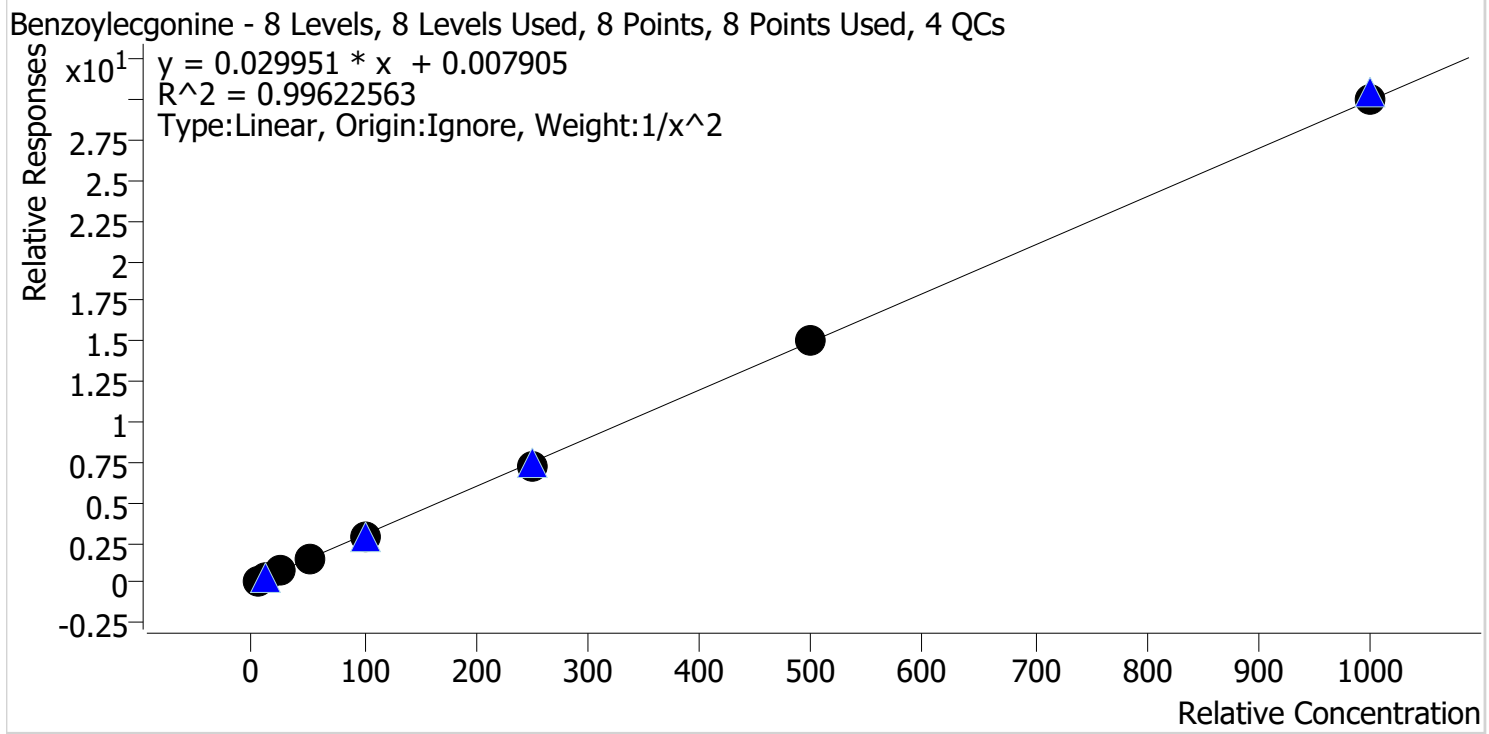


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



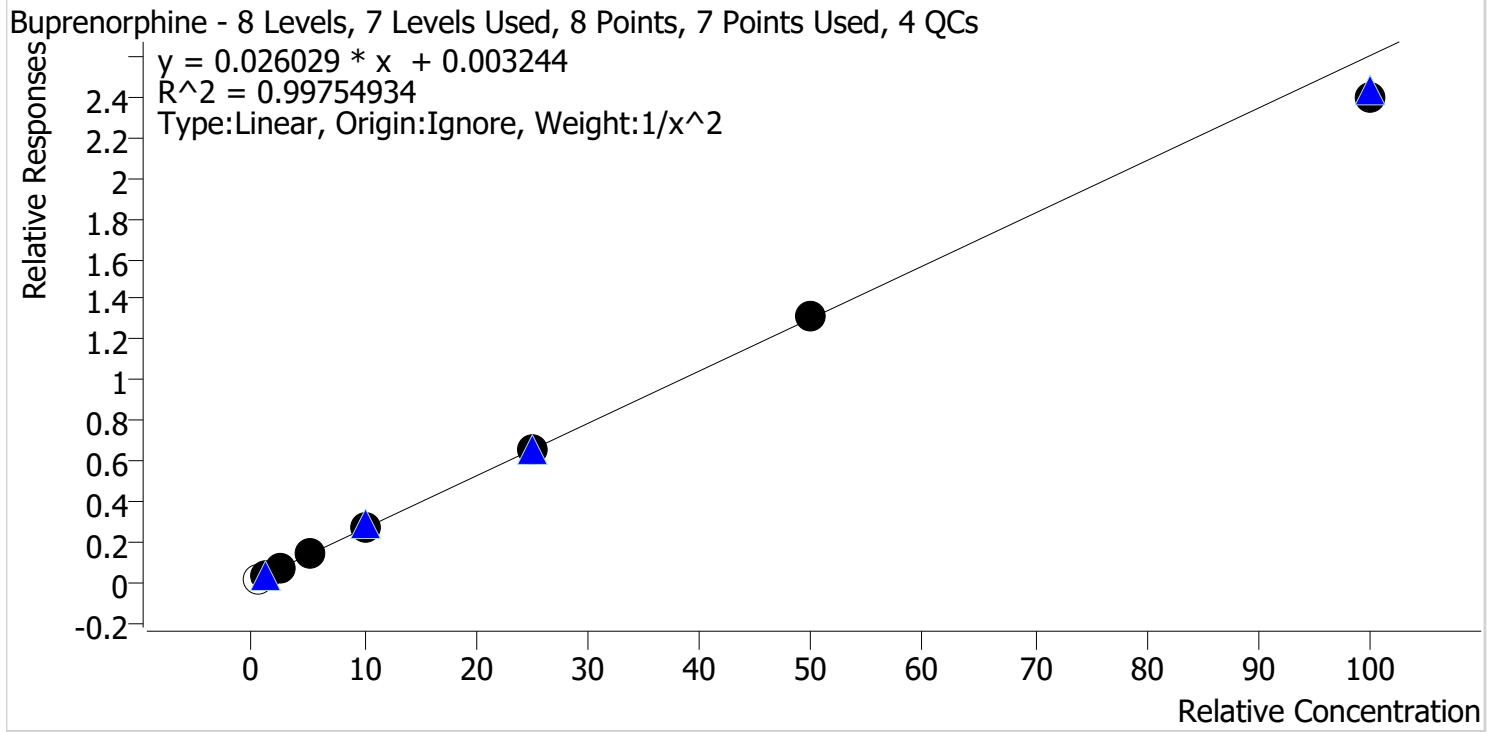
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.5	105.1
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.1
p1 Cal 4-50ng	4	✓	50.0	45.8	91.6
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	244.1	97.6
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1001.0	100.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



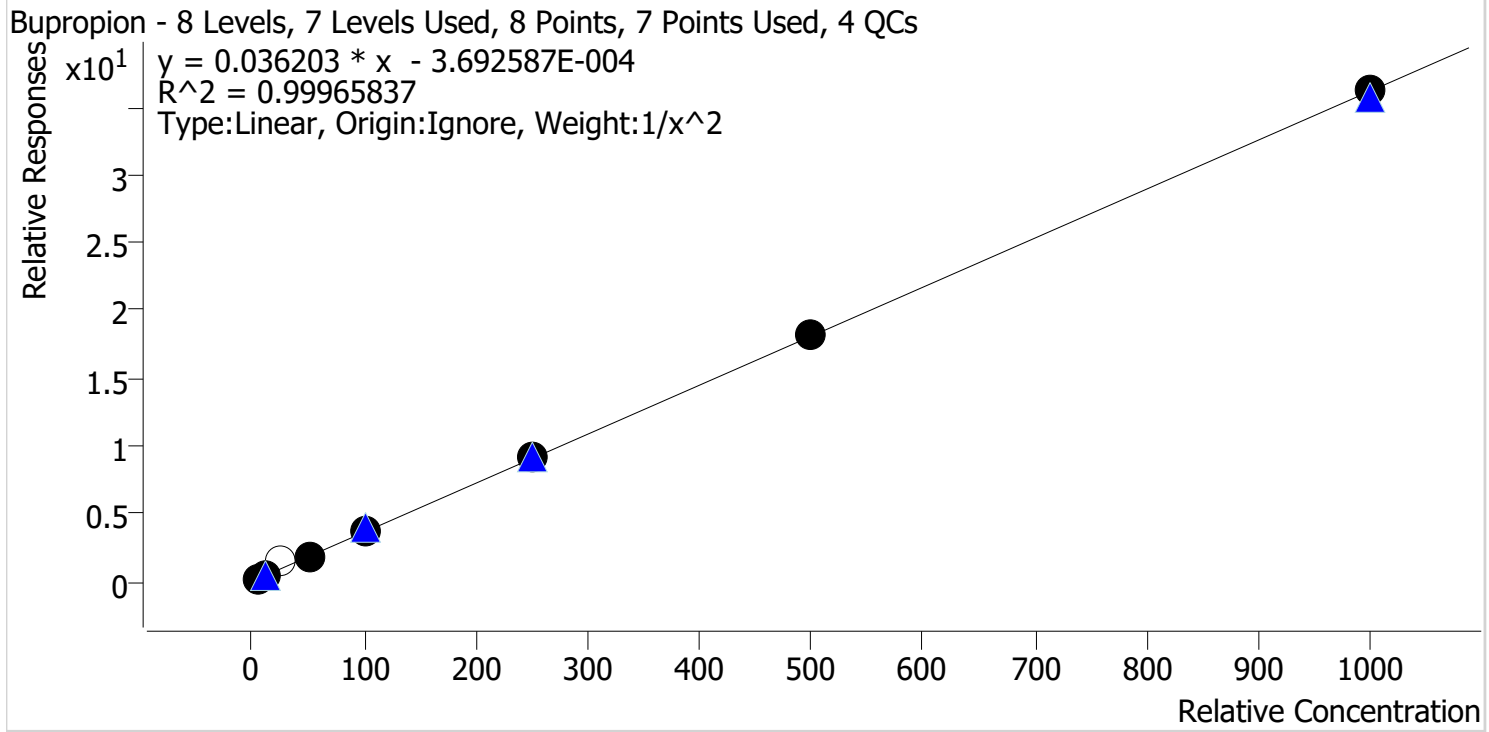
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.5	93.2
p1 Cal 2-10ng	2	✓	1.0	1.0	98.3
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.9
p1 Cal 4-50ng	4	✓	5.0	5.3	106.1
p1 Cal 5-100ng	5	✓	10.0	10.2	101.7
p1 Cal 6-250ng	6	✓	25.0	25.1	100.5
p1 Cal 7-500ng	7	✓	50.0	50.3	100.6
p1 Cal 8-1000ng	8	✓	100.0	92.0	92.0

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



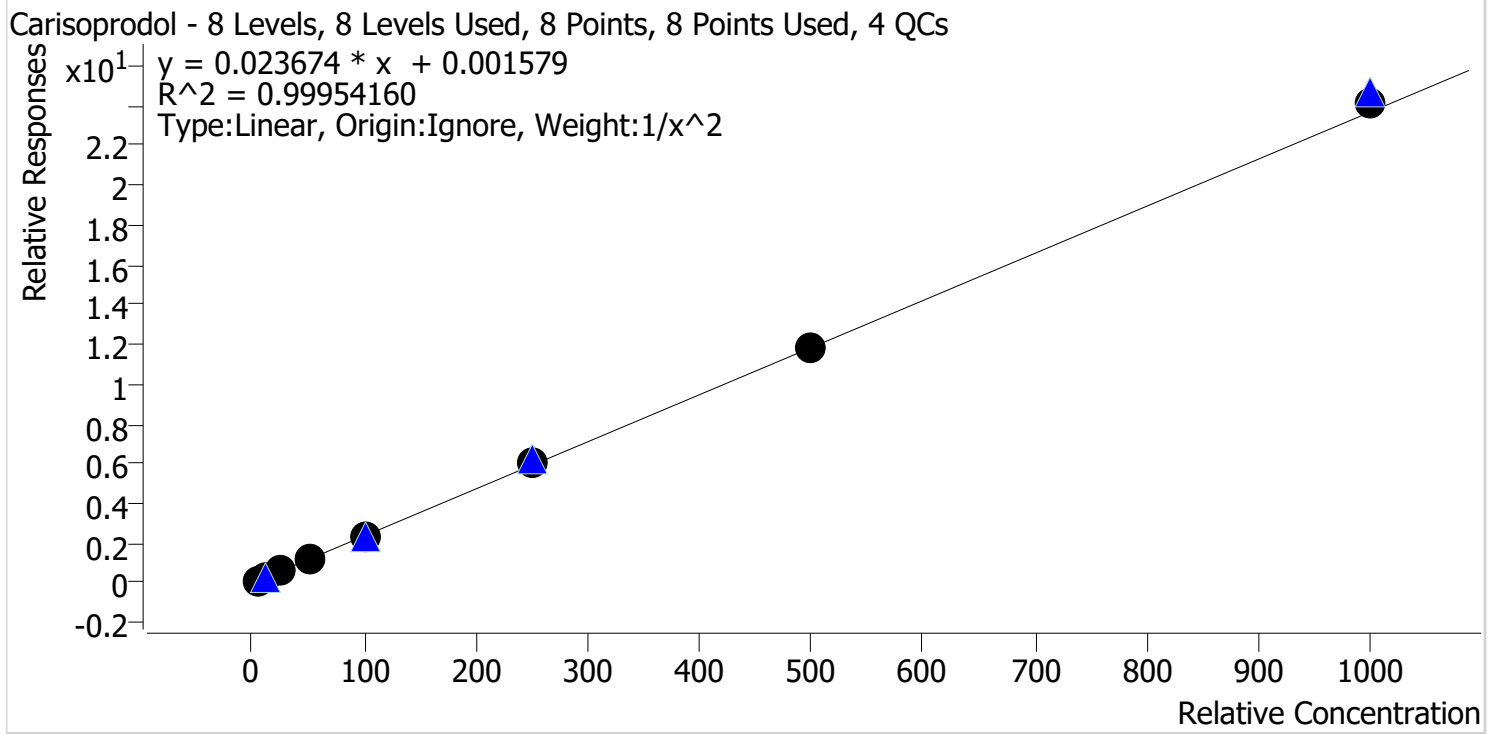
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✗	25.0	40.6	162.4
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1001.0	100.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	503.1	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1020.9	102.1

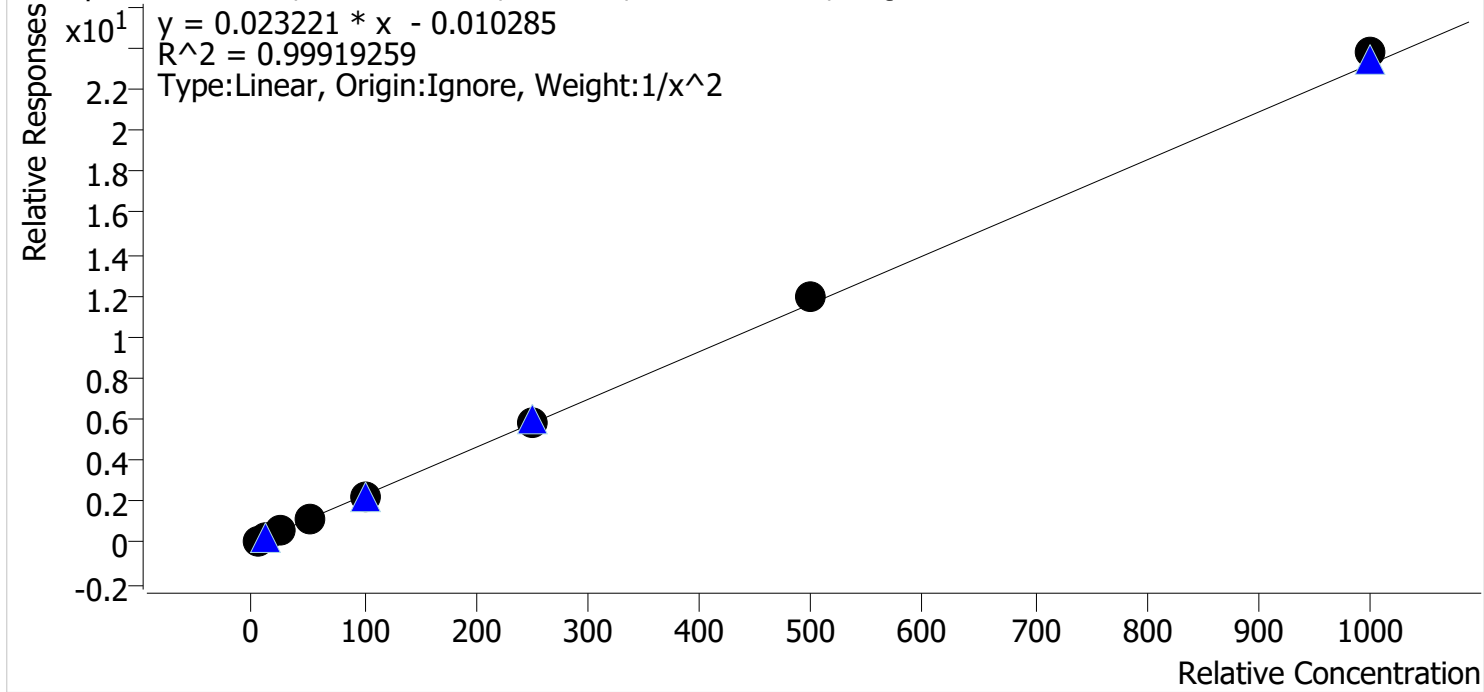
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



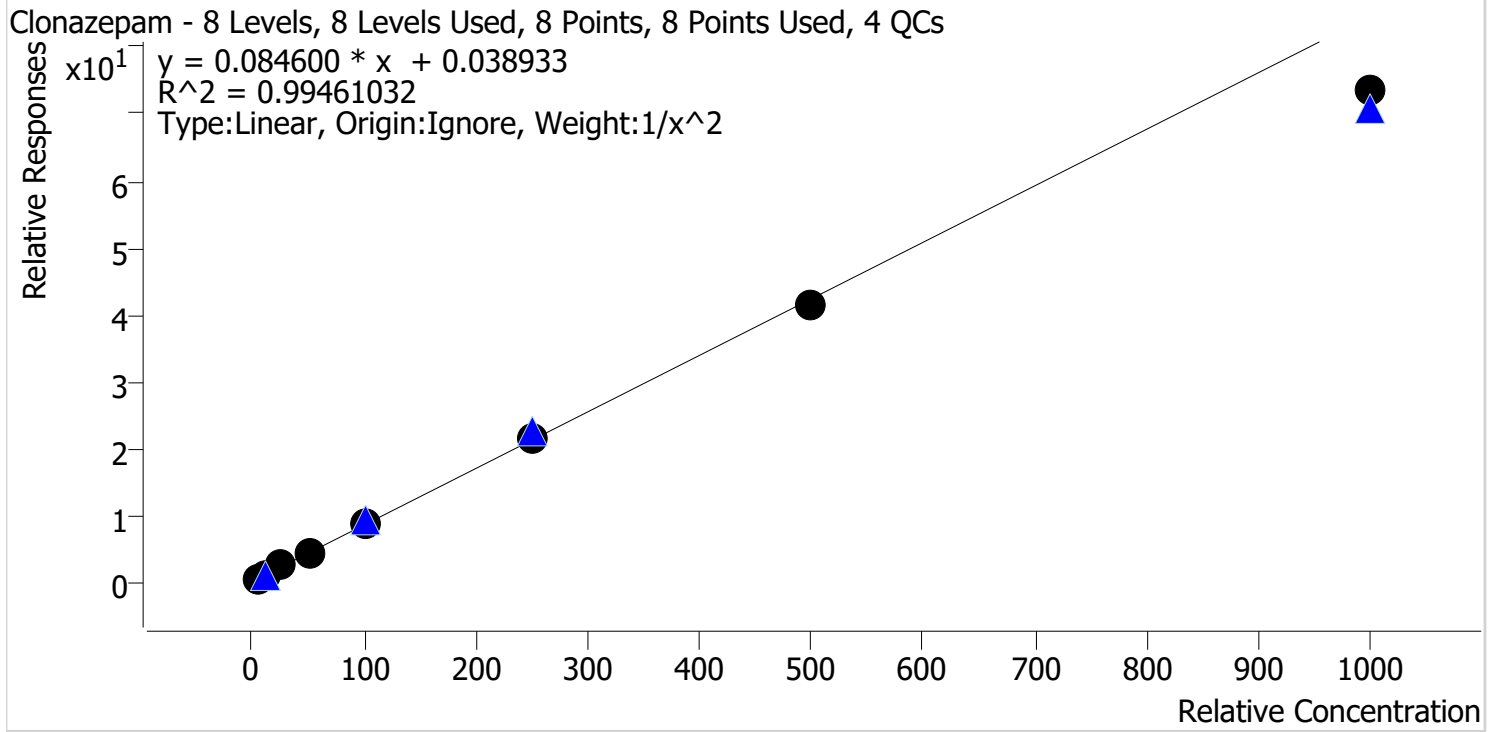
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	514.5	102.9
p1 Cal 8-1000ng	8	✓	1000.0	1024.4	102.4

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.0
p1 Cal 4-50ng	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	489.3	97.9
p1 Cal 8-1000ng	8	✓	1000.0	868.4	86.8

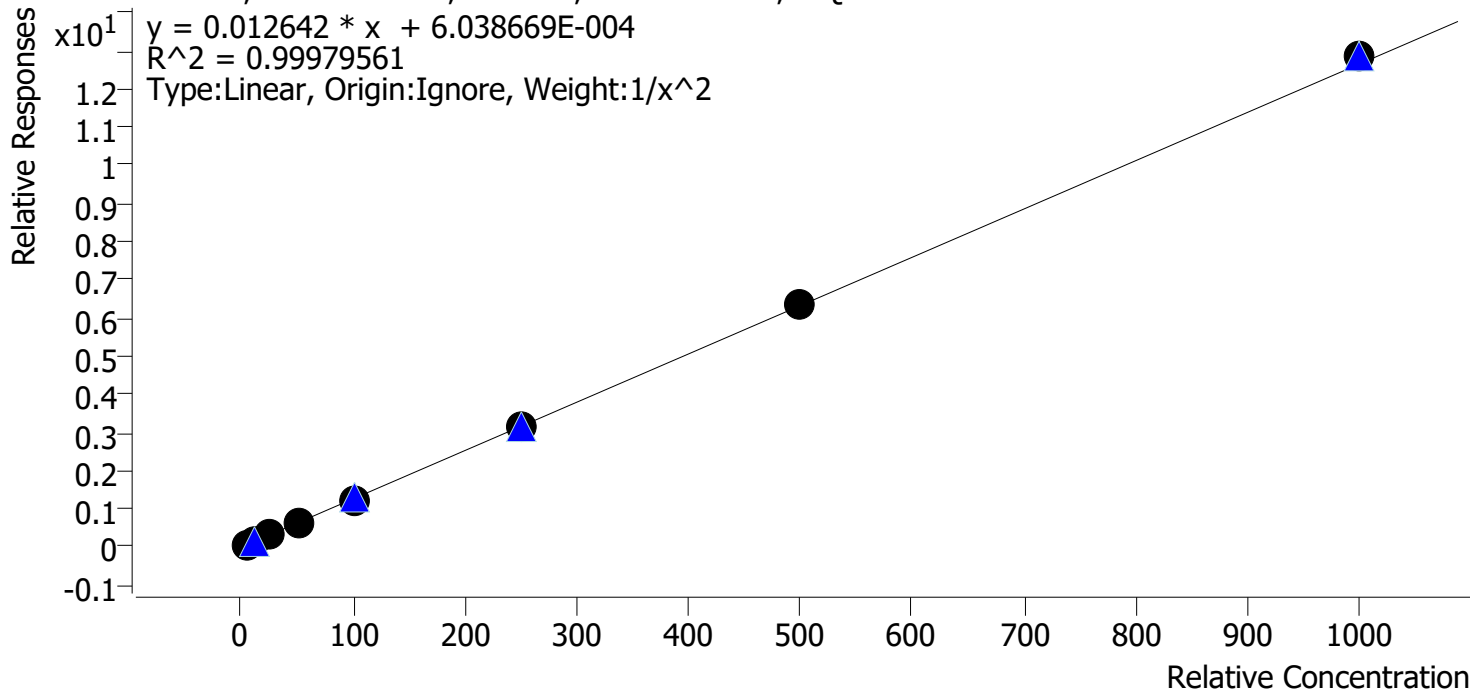
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	500.7	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1013.1	101.3

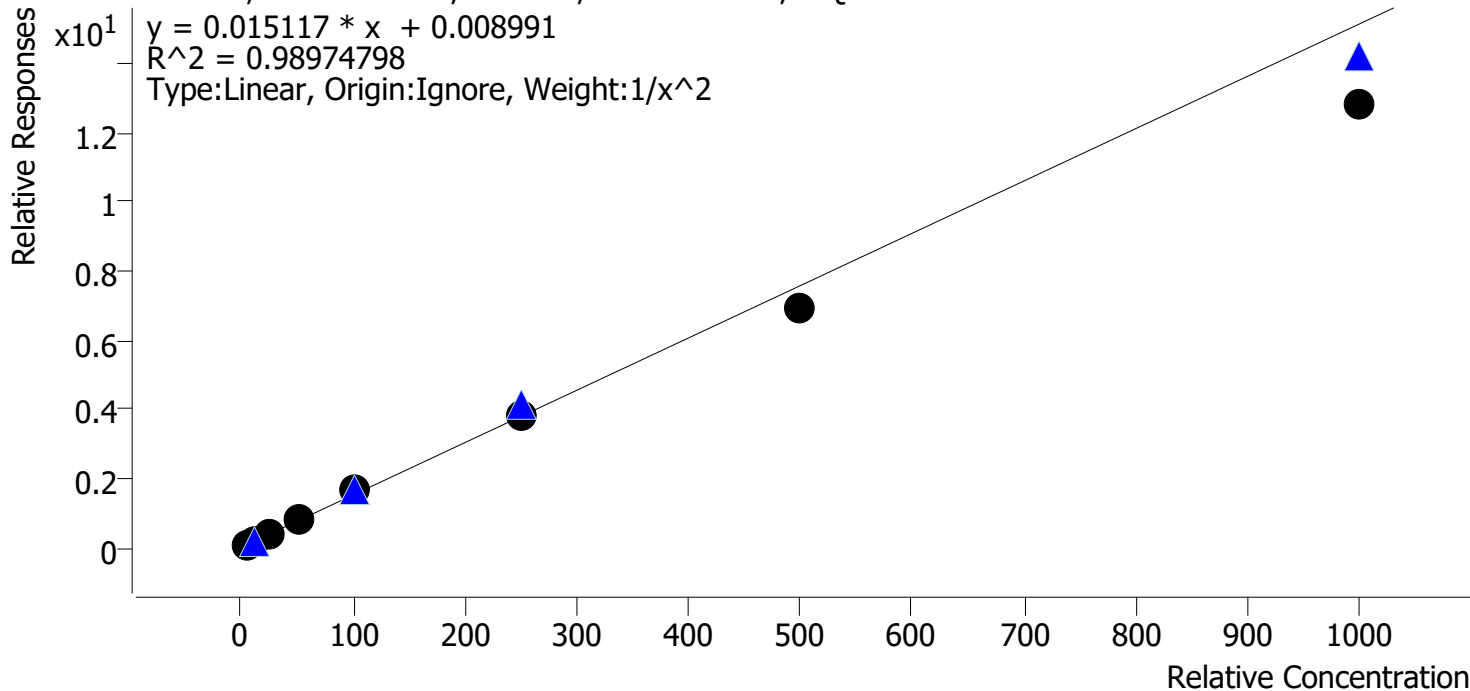
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	96.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	27.7	110.8
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	109.1	109.1
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	458.0	91.6
p1 Cal 8-1000ng	8	✓	1000.0	847.4	84.7



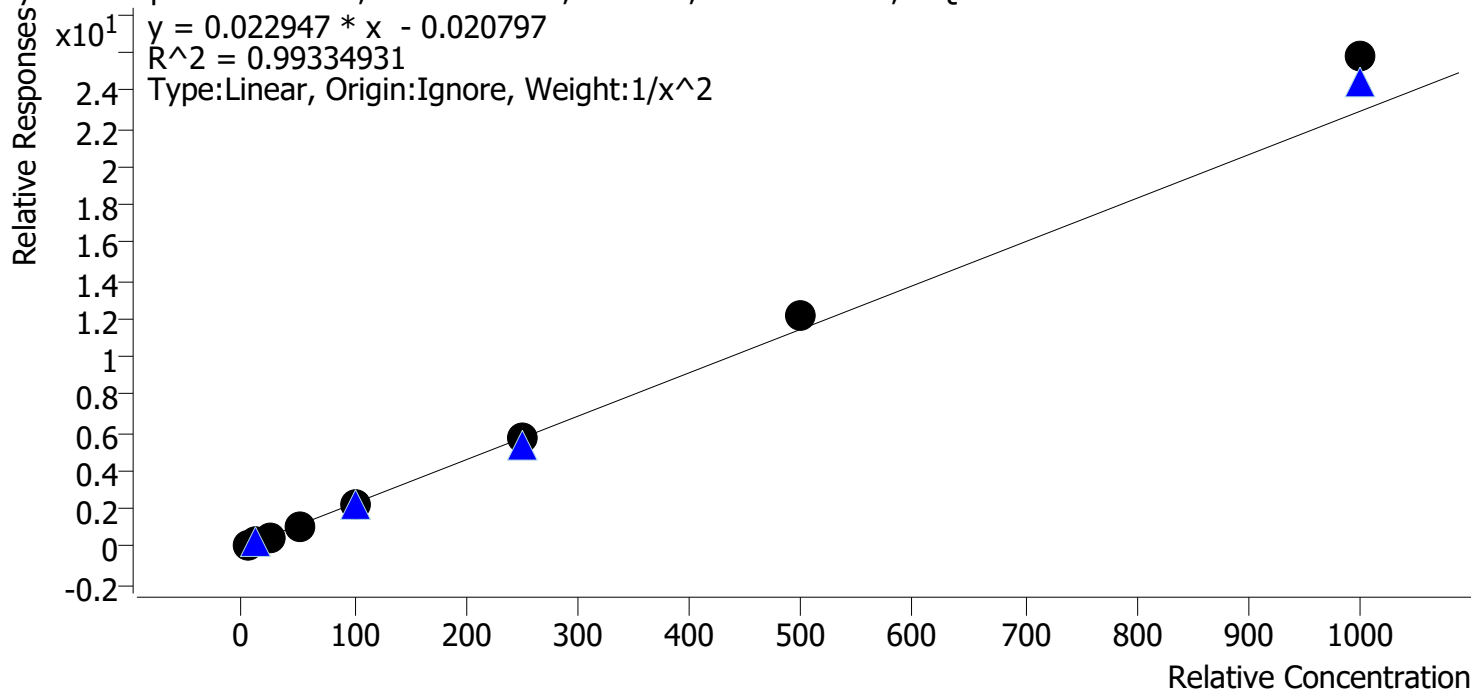
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



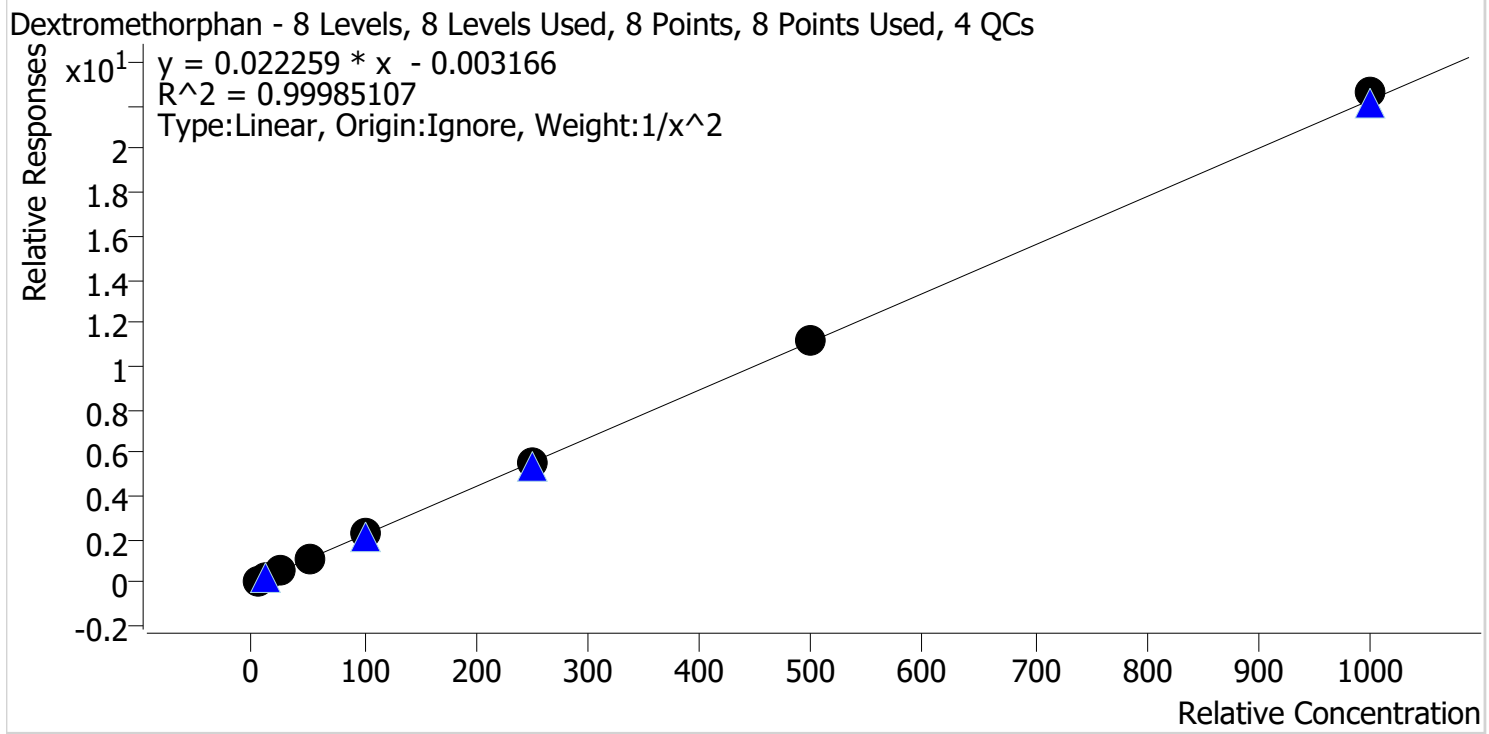
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.5	95.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	45.7	91.5
p1 Cal 5-100ng	5	✓	100.0	93.5	93.5
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	530.6	106.1
p1 Cal 8-1000ng	8	✓	1000.0	1125.4	112.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



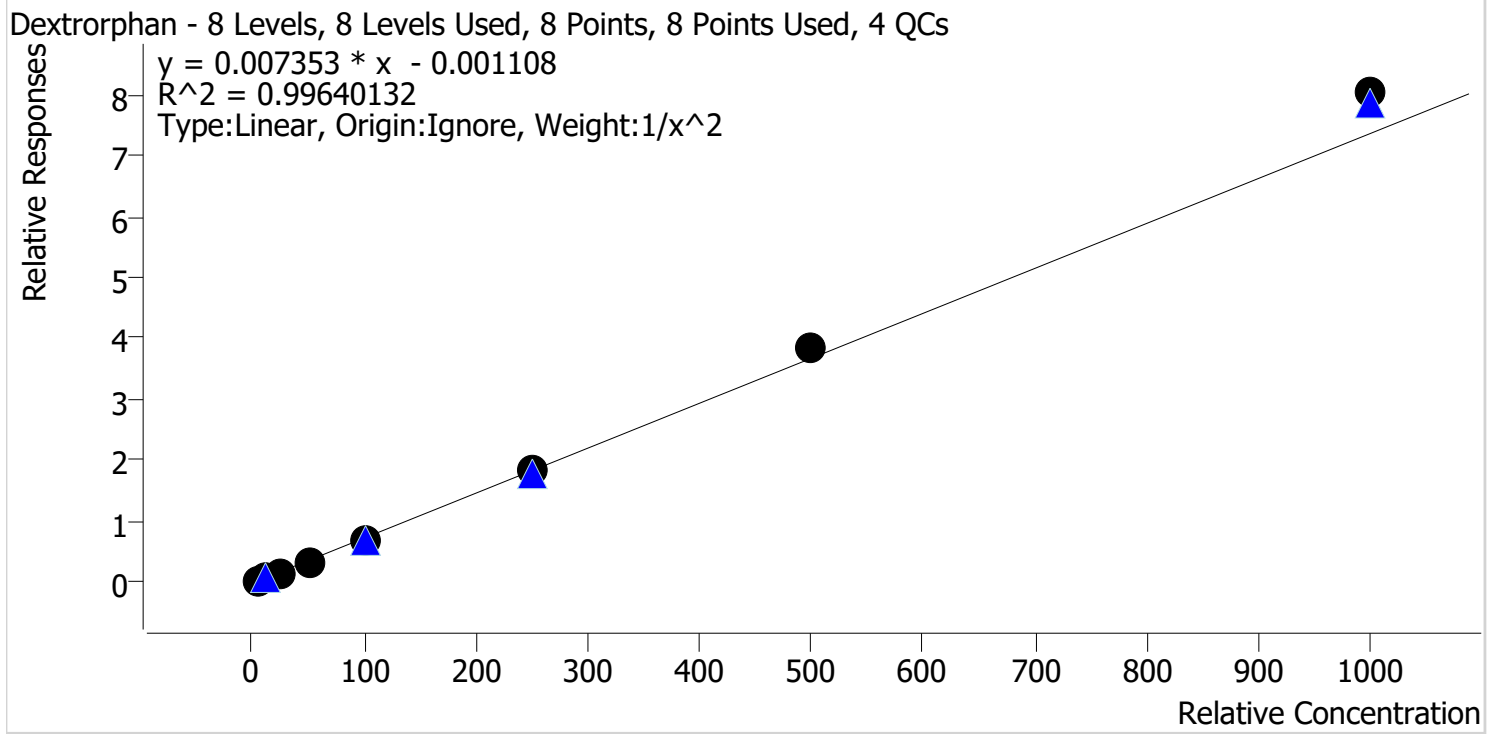
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	503.8	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1015.6	101.6

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3



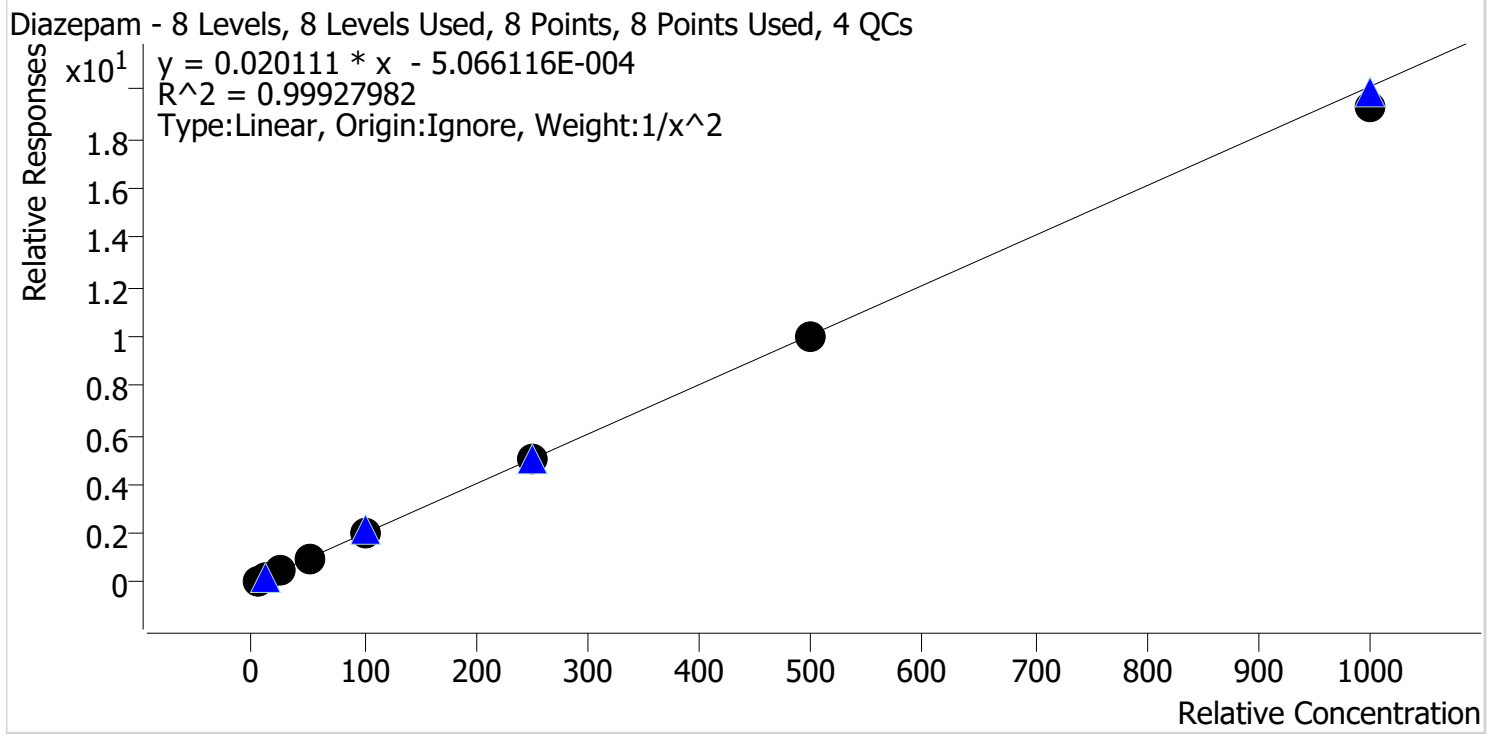
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	524.8	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1091.1	109.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



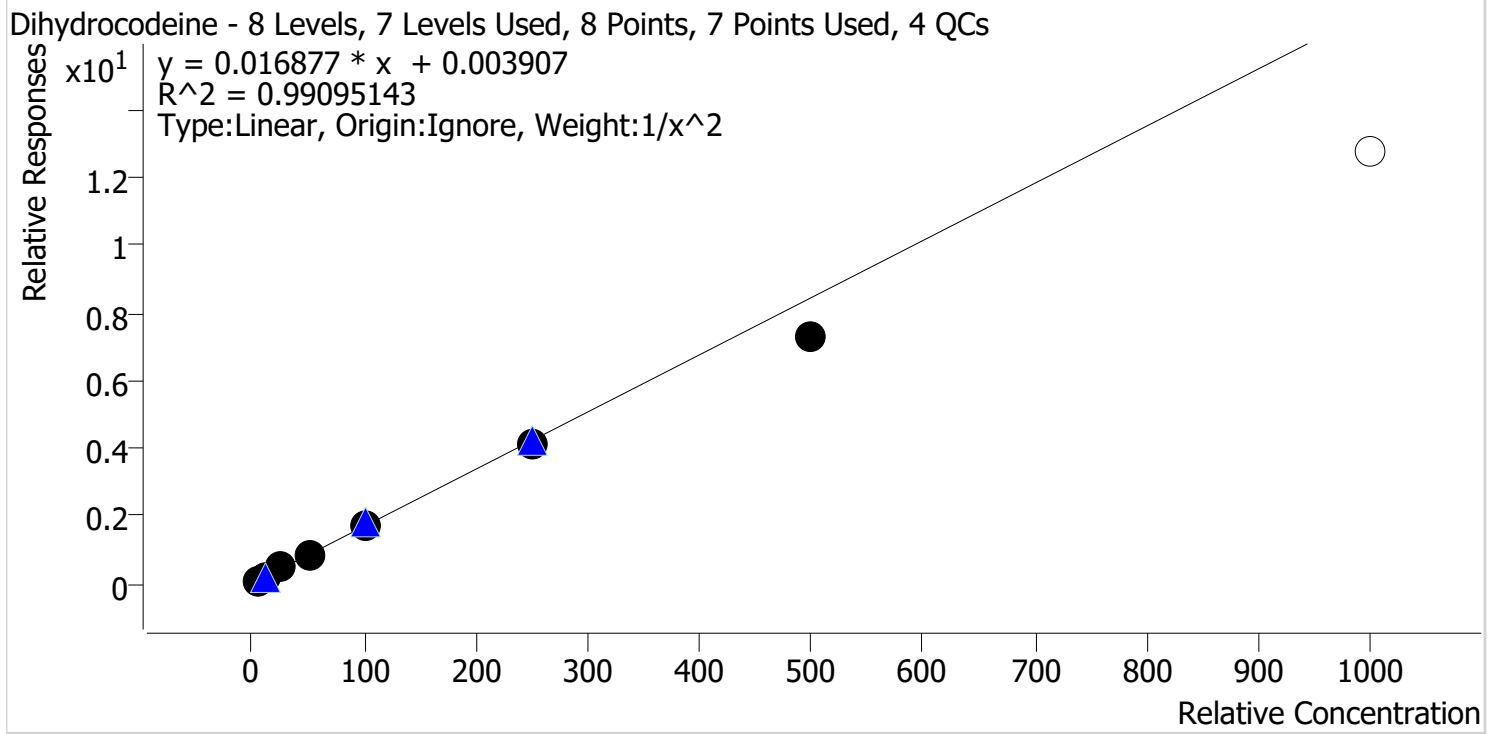
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	495.8	99.2
p1 Cal 8-1000ng	8	✓	1000.0	961.7	96.2

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	28.5	113.9
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	434.6	86.9
p1 Cal 8-1000ng	8	✗	1000.0	757.9	75.8

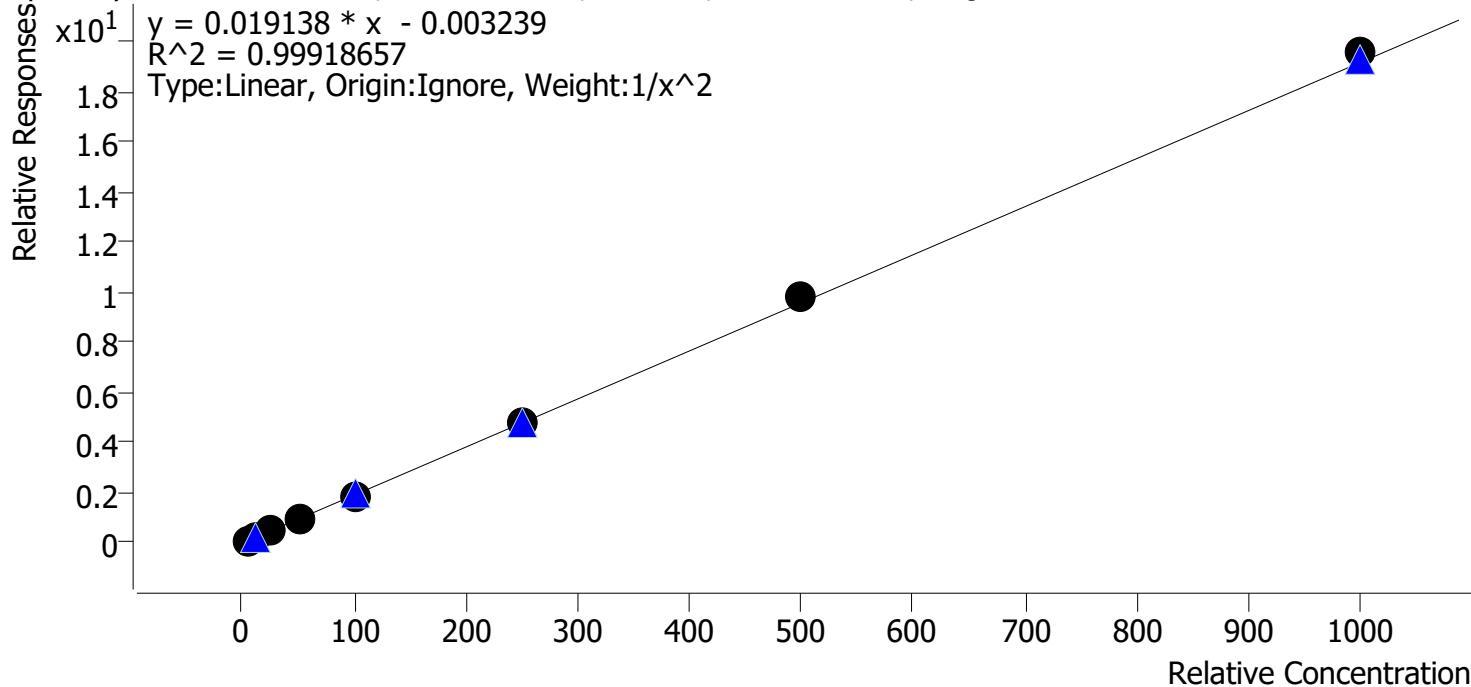
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



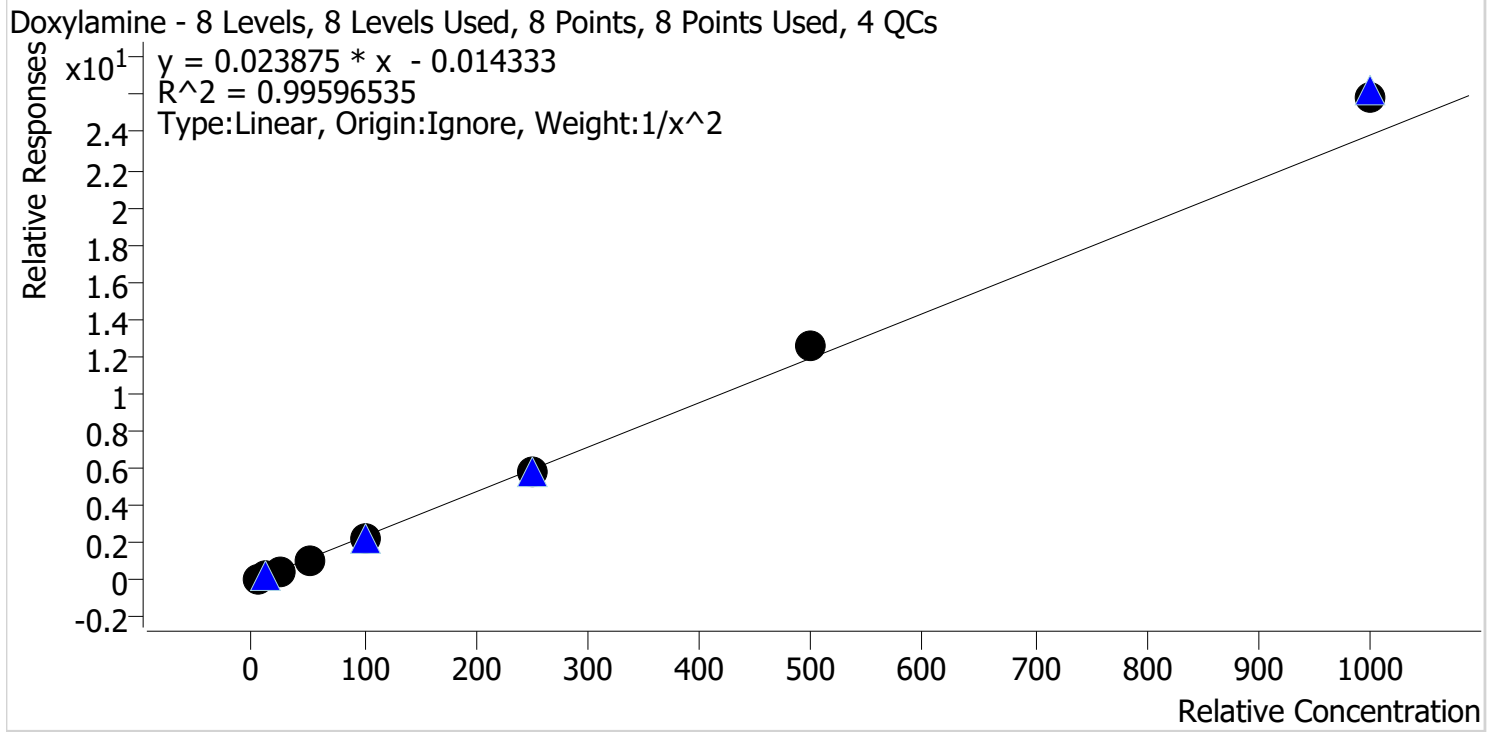
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	509.6	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1020.7	102.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	46.8	93.6
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	529.6	105.9
p1 Cal 8-1000ng	8	✓	1000.0	1086.5	108.6

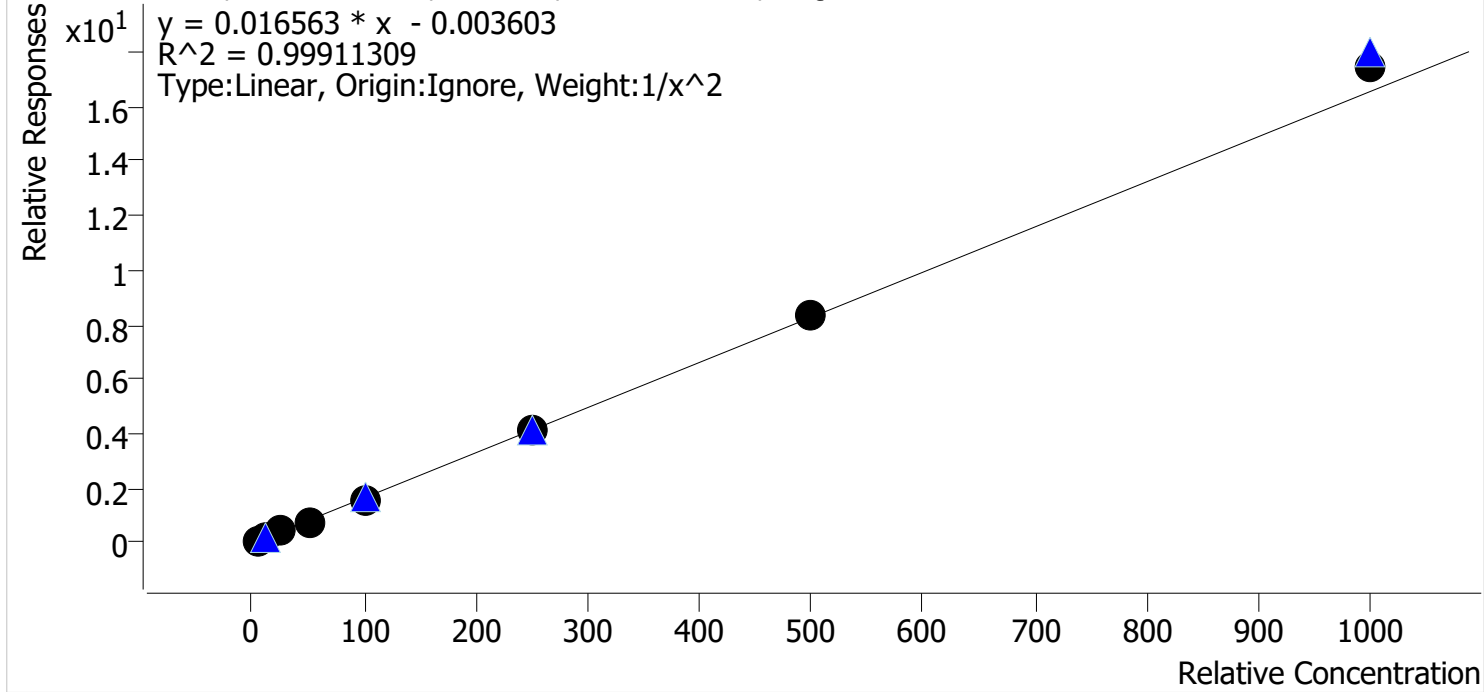
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	507.6	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1052.0	105.2

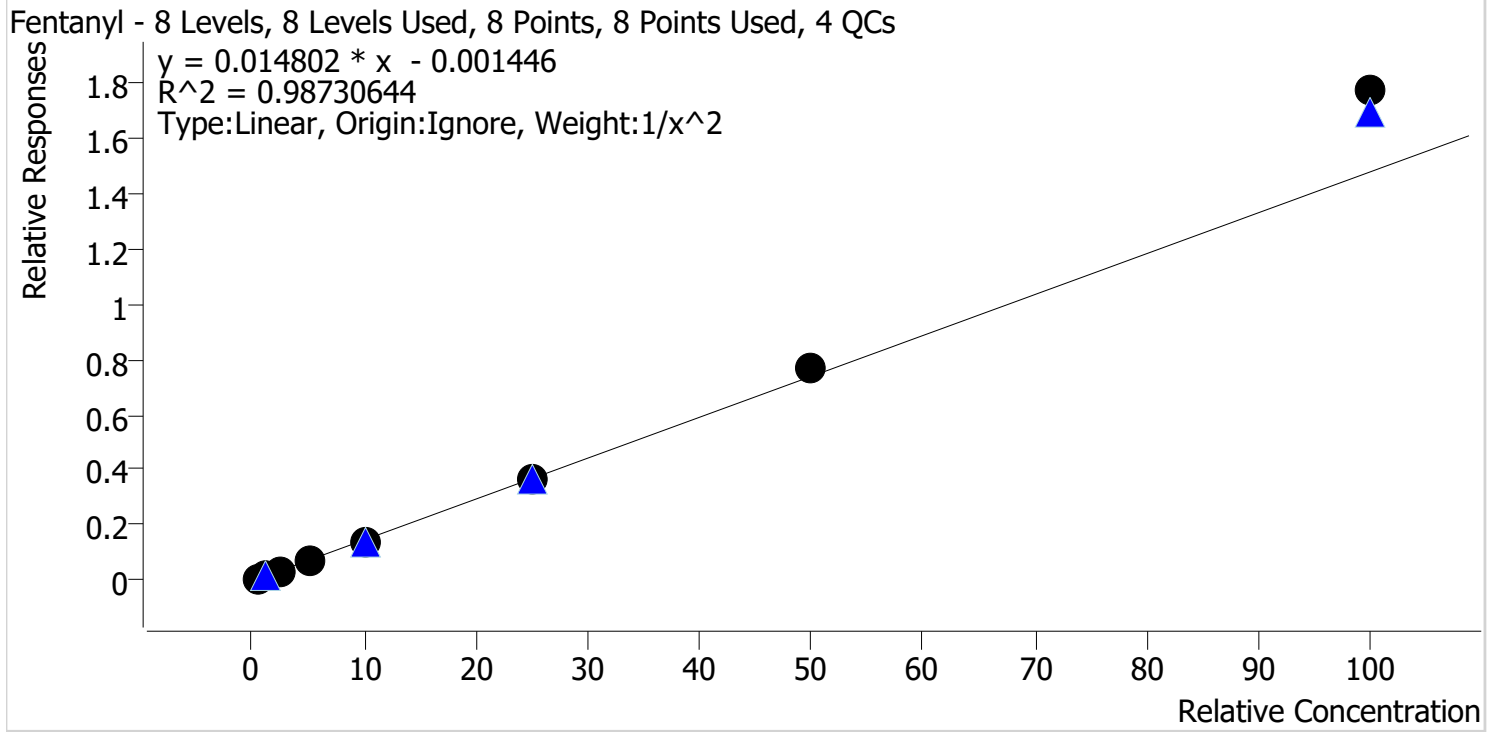


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5



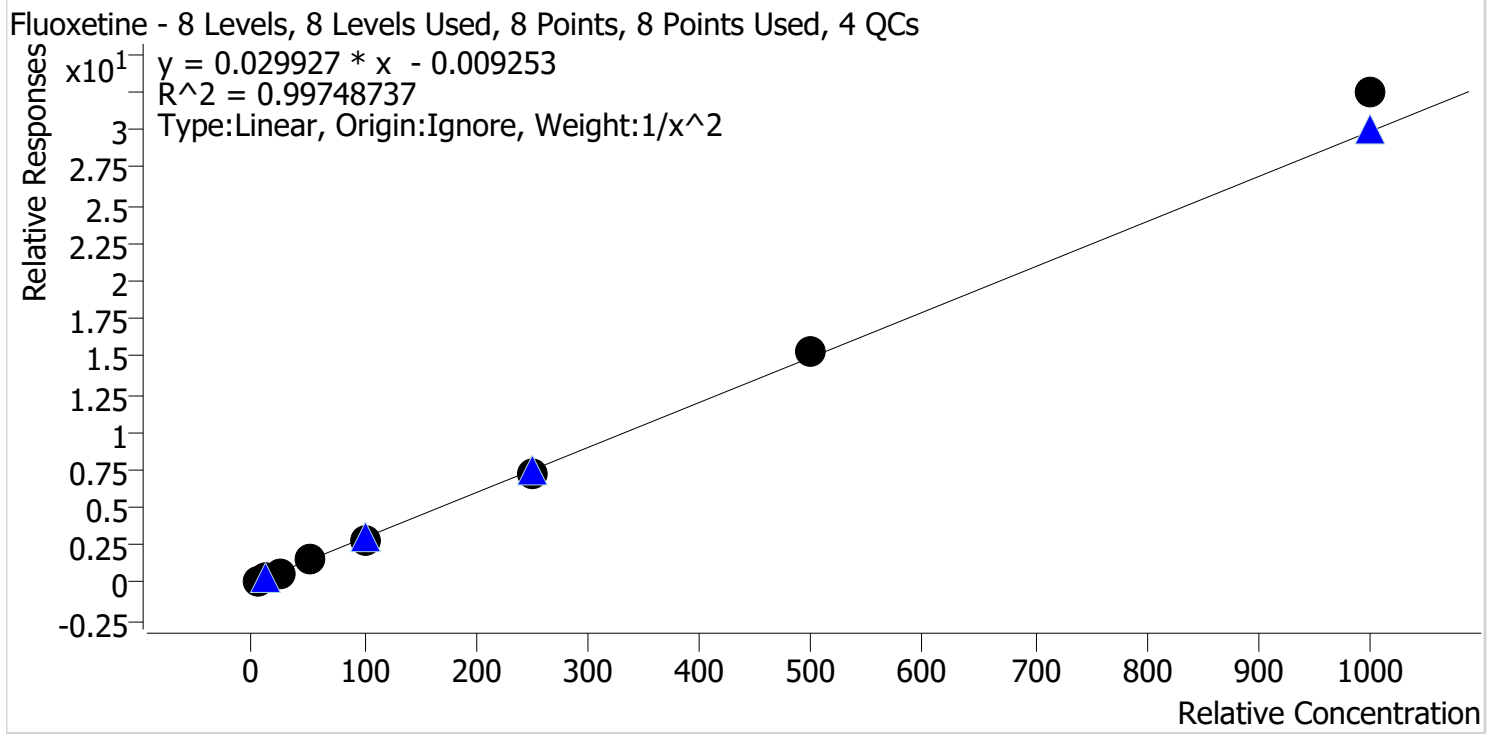
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.5
p1 Cal 2-10ng	2	✓	1.0	1.0	97.6
p1 Cal 3 -25ng	3	✓	2.5	2.2	88.5
p1 Cal 4-50ng	4	✓	5.0	4.6	91.5
p1 Cal 5-100ng	5	✓	10.0	9.5	94.8
p1 Cal 6-250ng	6	✓	25.0	24.6	98.5
p1 Cal 7-500ng	7	✓	50.0	52.4	104.7
p1 Cal 8-1000ng	8	✓	100.0	119.9	119.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



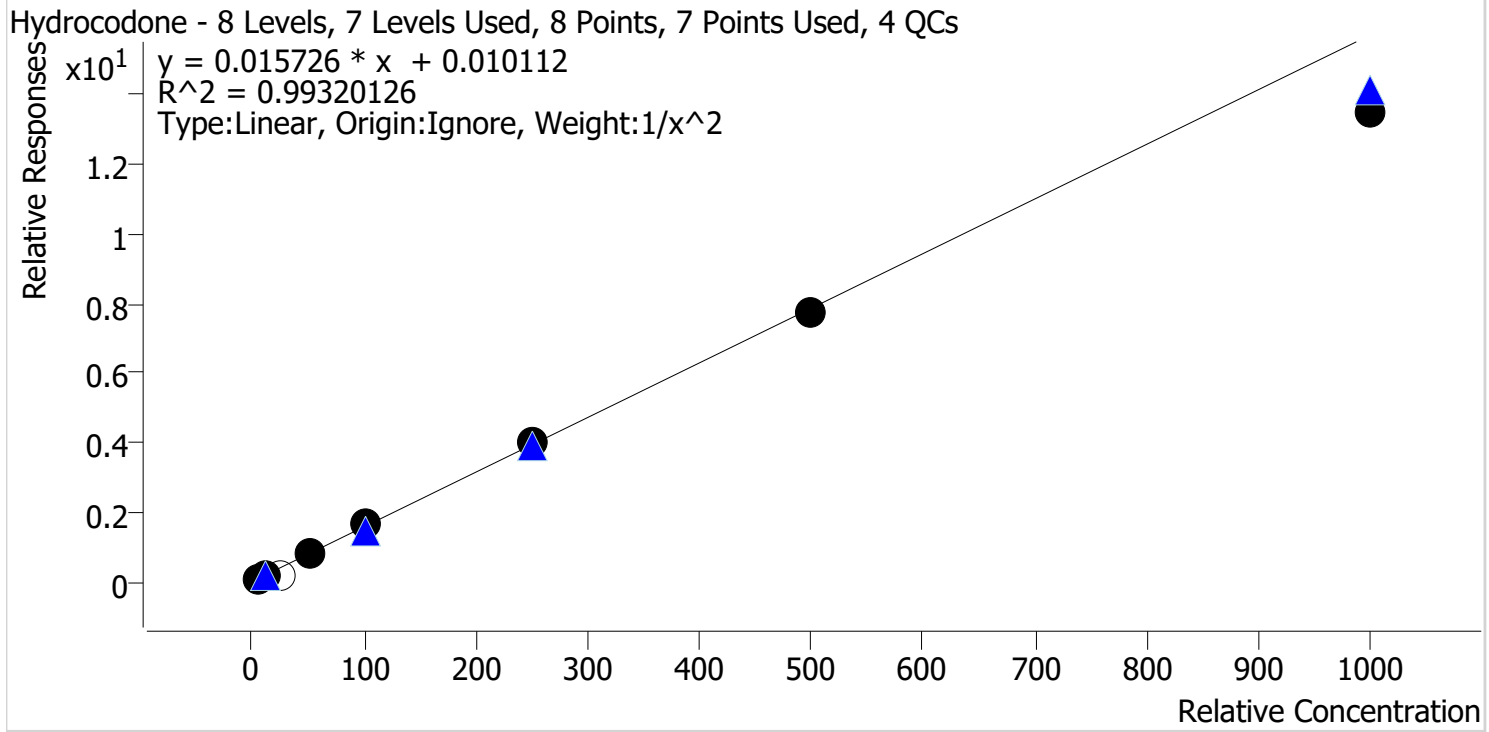
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	49.3	98.7
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	511.7	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1086.1	108.6

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



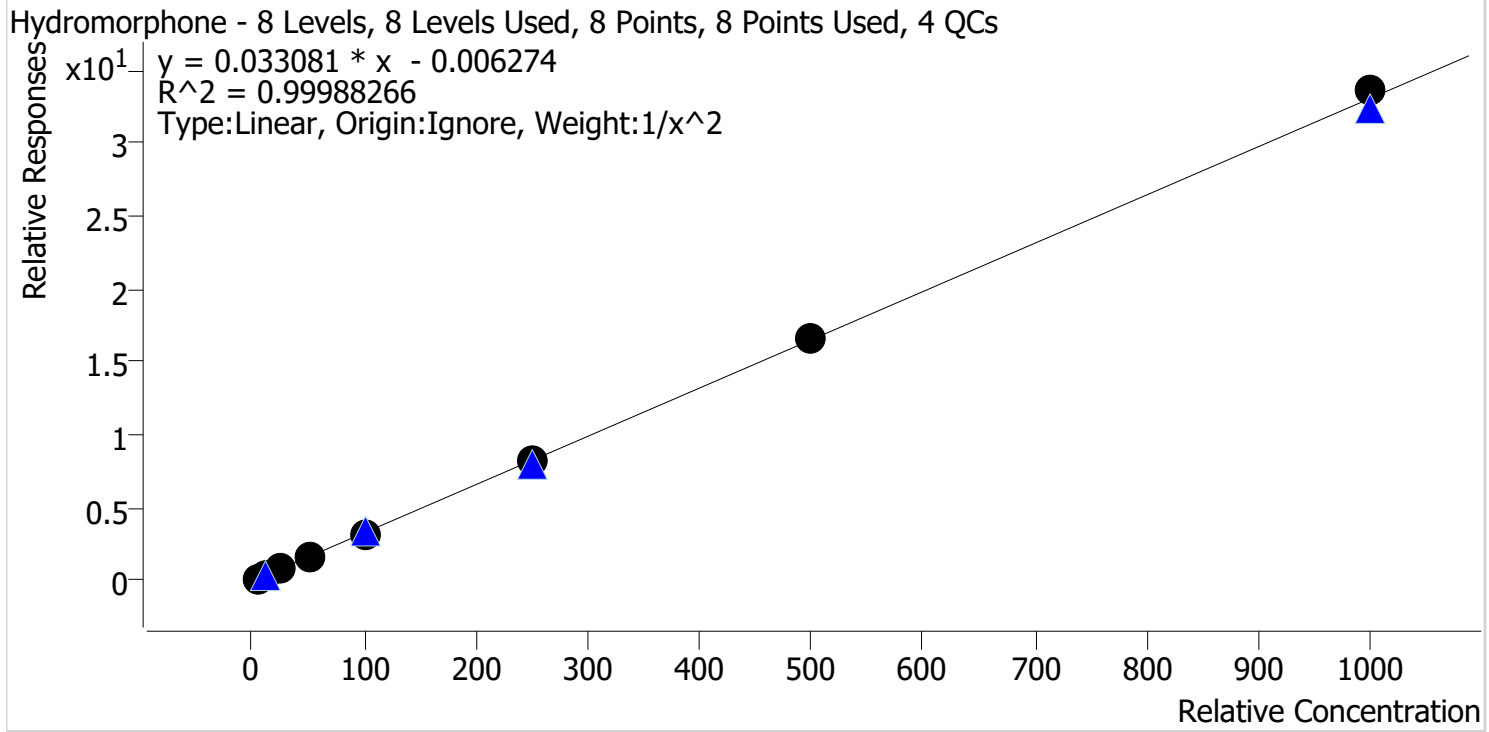
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✗	25.0	12.9	51.6
p1 Cal 4-50ng	4	✓	50.0	54.4	108.7
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	256.6	102.7
p1 Cal 7-500ng	7	✓	500.0	492.4	98.5
p1 Cal 8-1000ng	8	✓	1000.0	857.8	85.8

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6



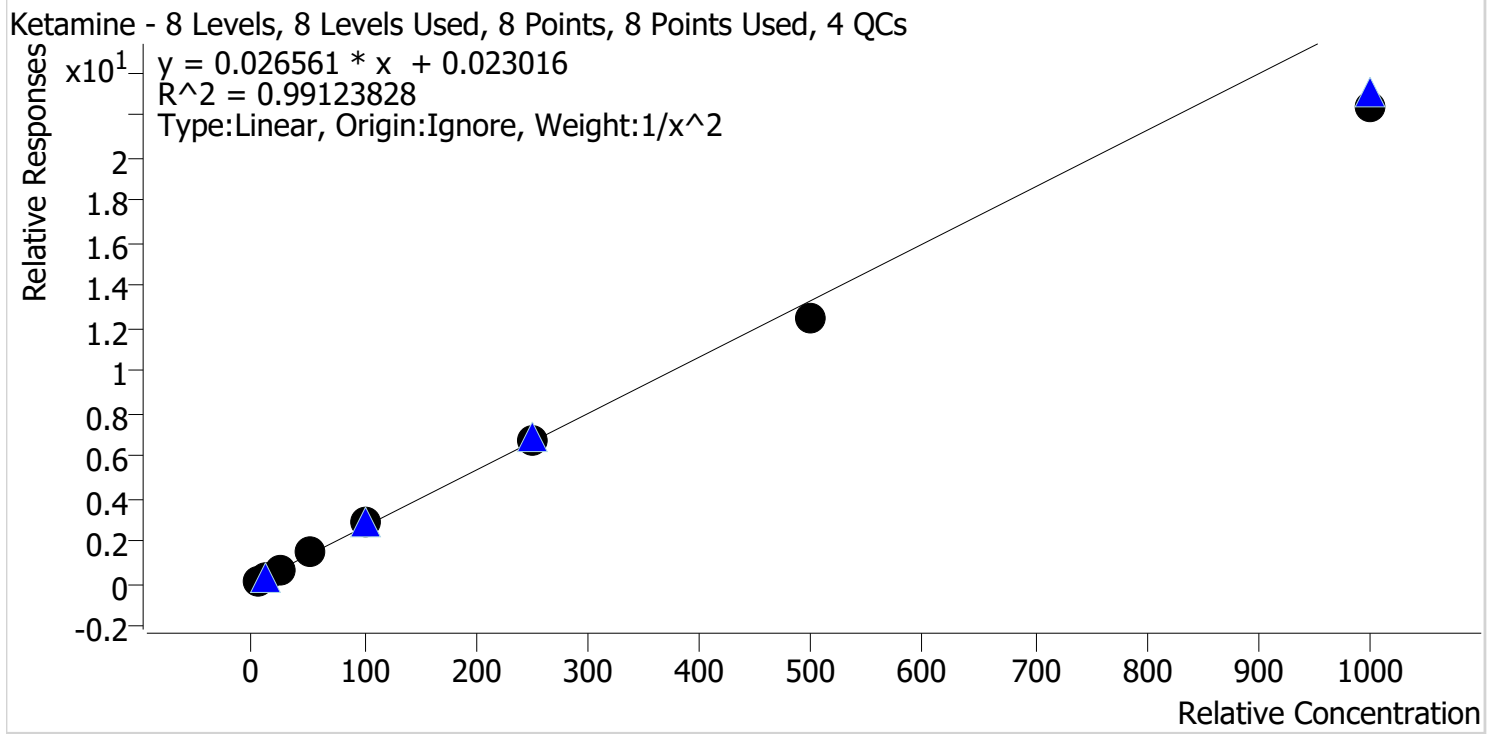
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1016.2	101.6

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



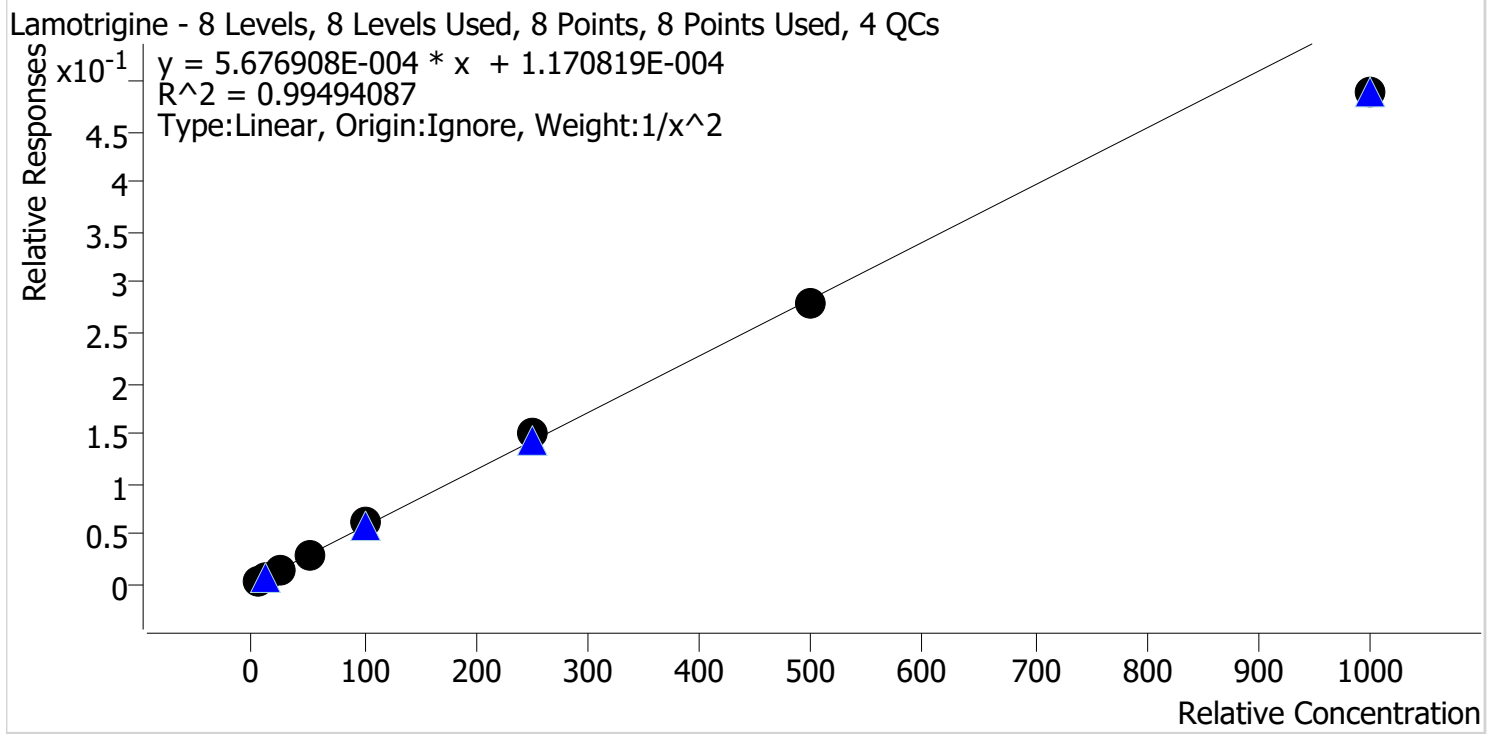
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	107.7	107.7
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	468.8	93.8
p1 Cal 8-1000ng	8	✓	1000.0	843.1	84.3

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lamotrigine **Internal Standard** Pseudoephedrine-D3



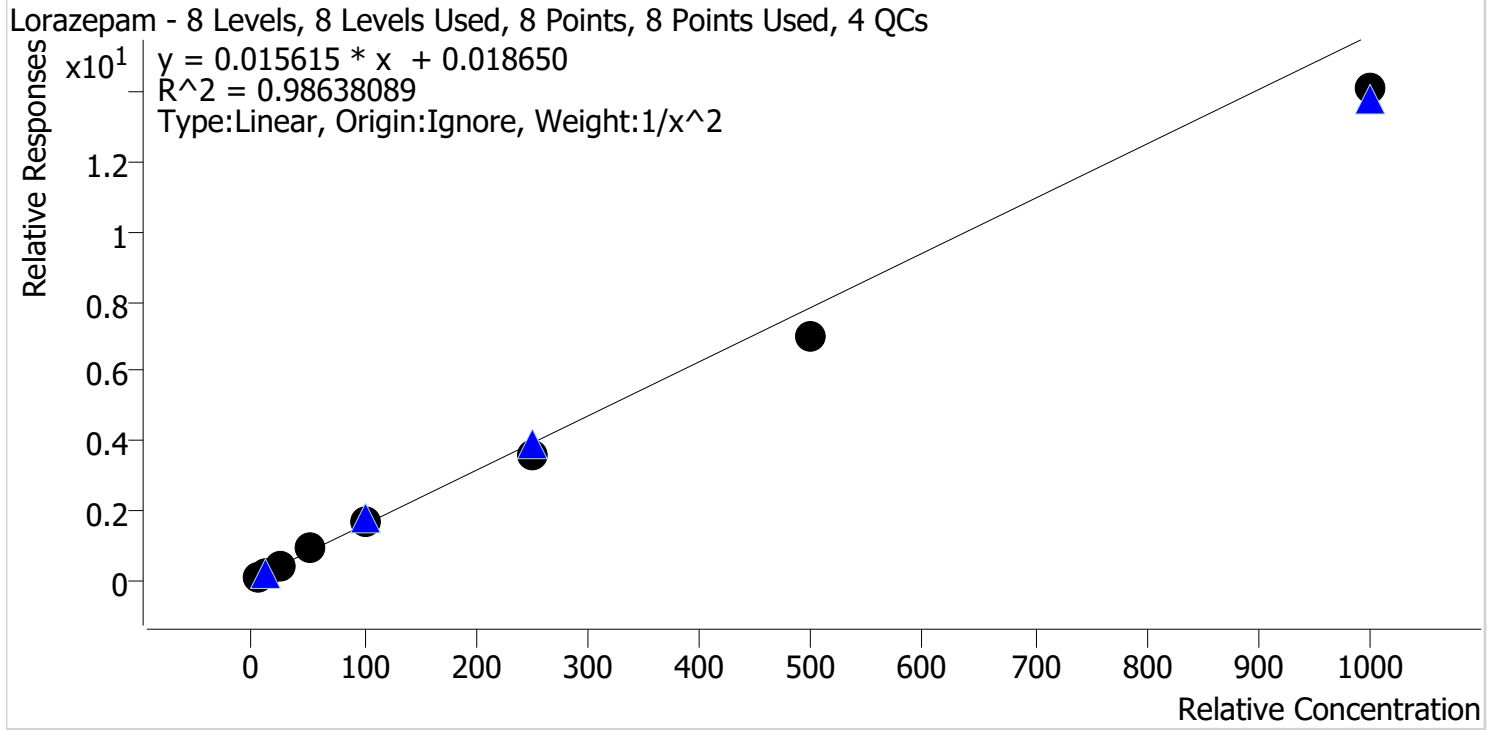
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.4
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	263.5	105.4
p1 Cal 7-500ng	7	✓	500.0	491.7	98.3
p1 Cal 8-1000ng	8	✓	1000.0	862.4	86.2

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	91.6
p1 Cal 2-10ng	2	✓	10.0	11.1	111.1
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.8
p1 Cal 4-50ng	4	✓	50.0	56.6	113.2
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	231.3	92.5
p1 Cal 7-500ng	7	✓	500.0	444.2	88.8
p1 Cal 8-1000ng	8	✓	1000.0	902.1	90.2

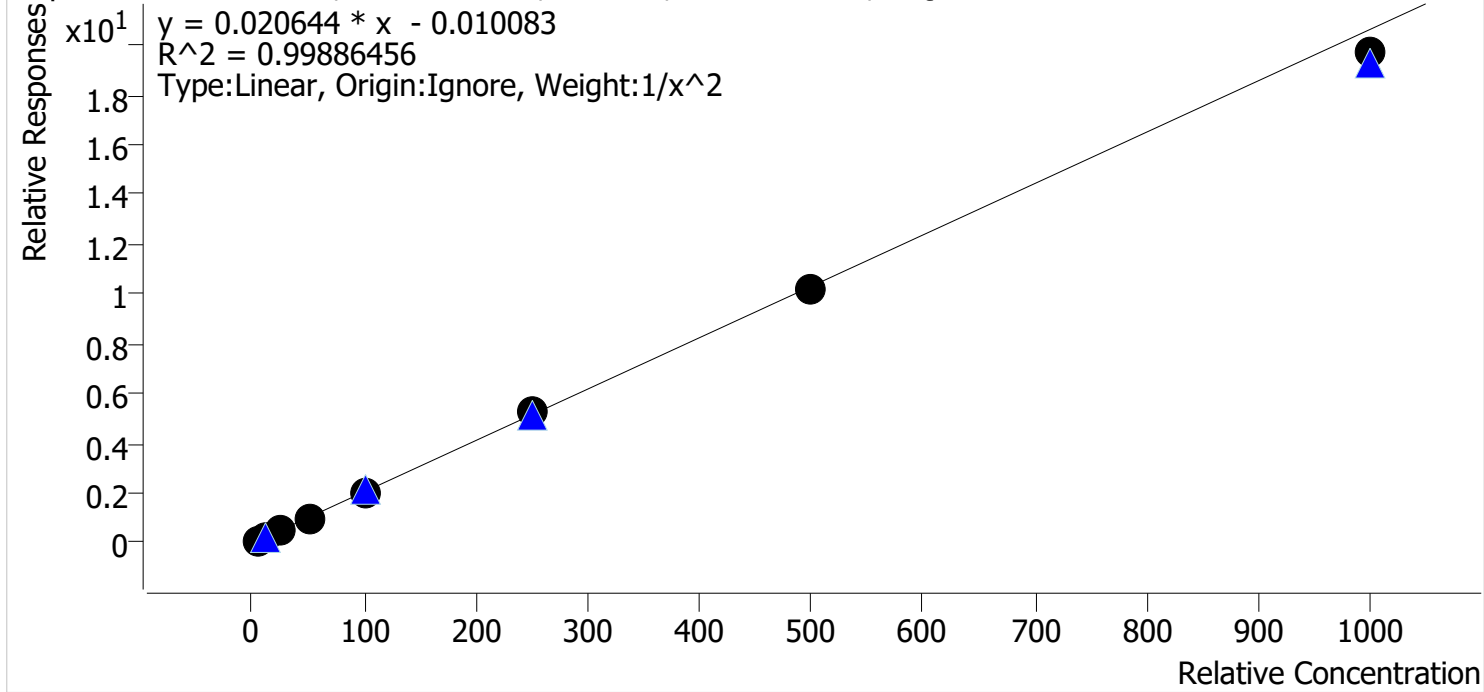
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

Meprobamate - 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	98.2
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	495.7	99.1
p1 Cal 8-1000ng	8	✓	1000.0	954.8	95.5

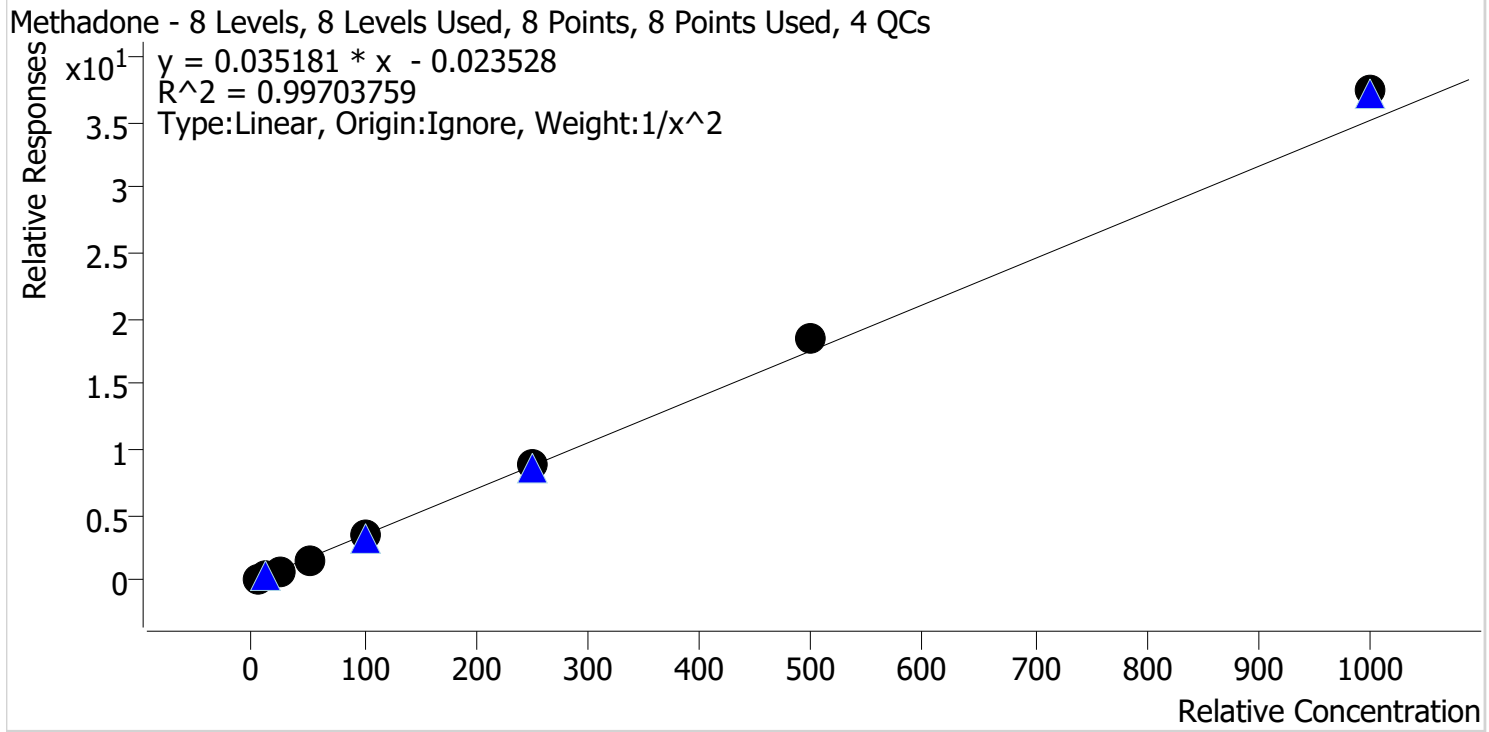


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9



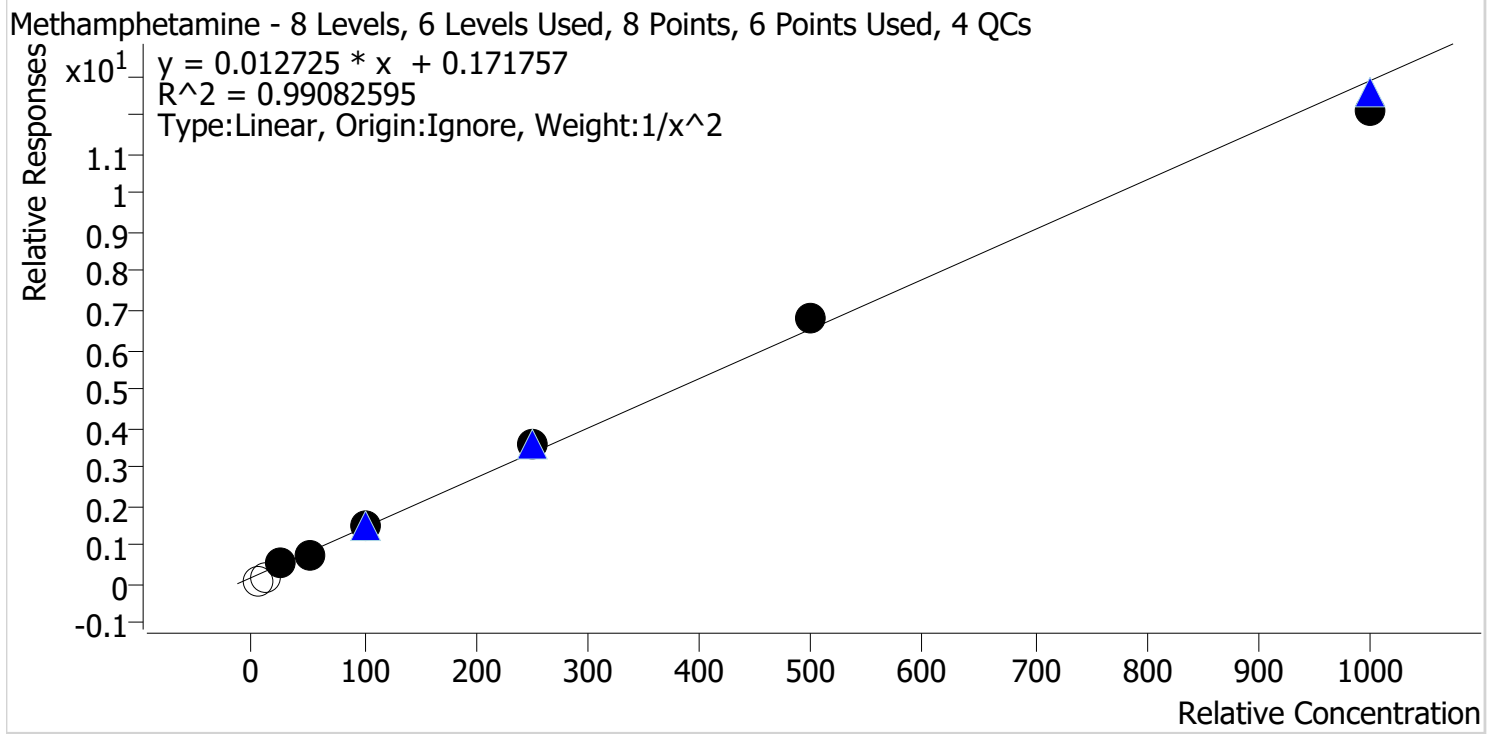
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	47.0	94.1
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	526.2	105.2
p1 Cal 8-1000ng	8	✓	1000.0	1064.6	106.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	0.0	0.0
p1 Cal 2-10ng	2	x	10.0	0.0	0.0
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	43.7	87.4
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	267.9	107.2
p1 Cal 7-500ng	7	✓	500.0	524.6	104.9
p1 Cal 8-1000ng	8	✓	1000.0	940.5	94.1

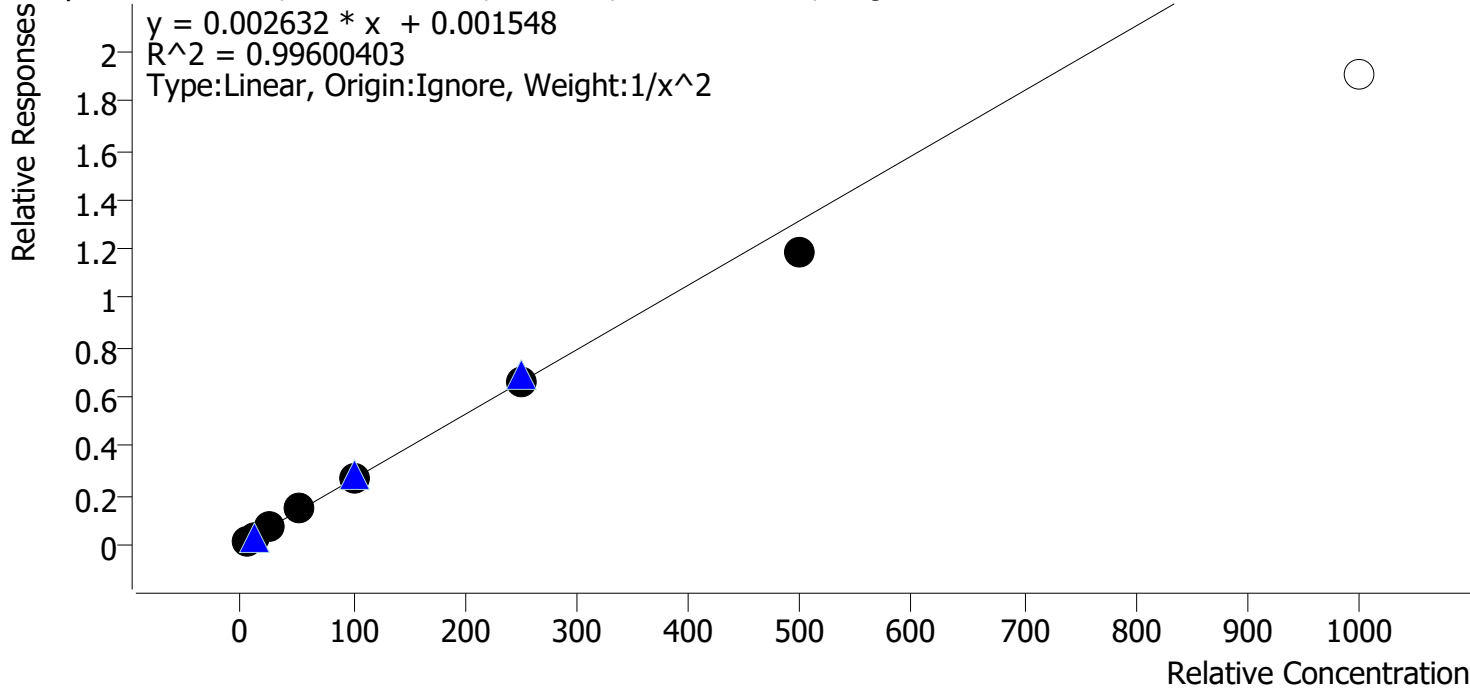
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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



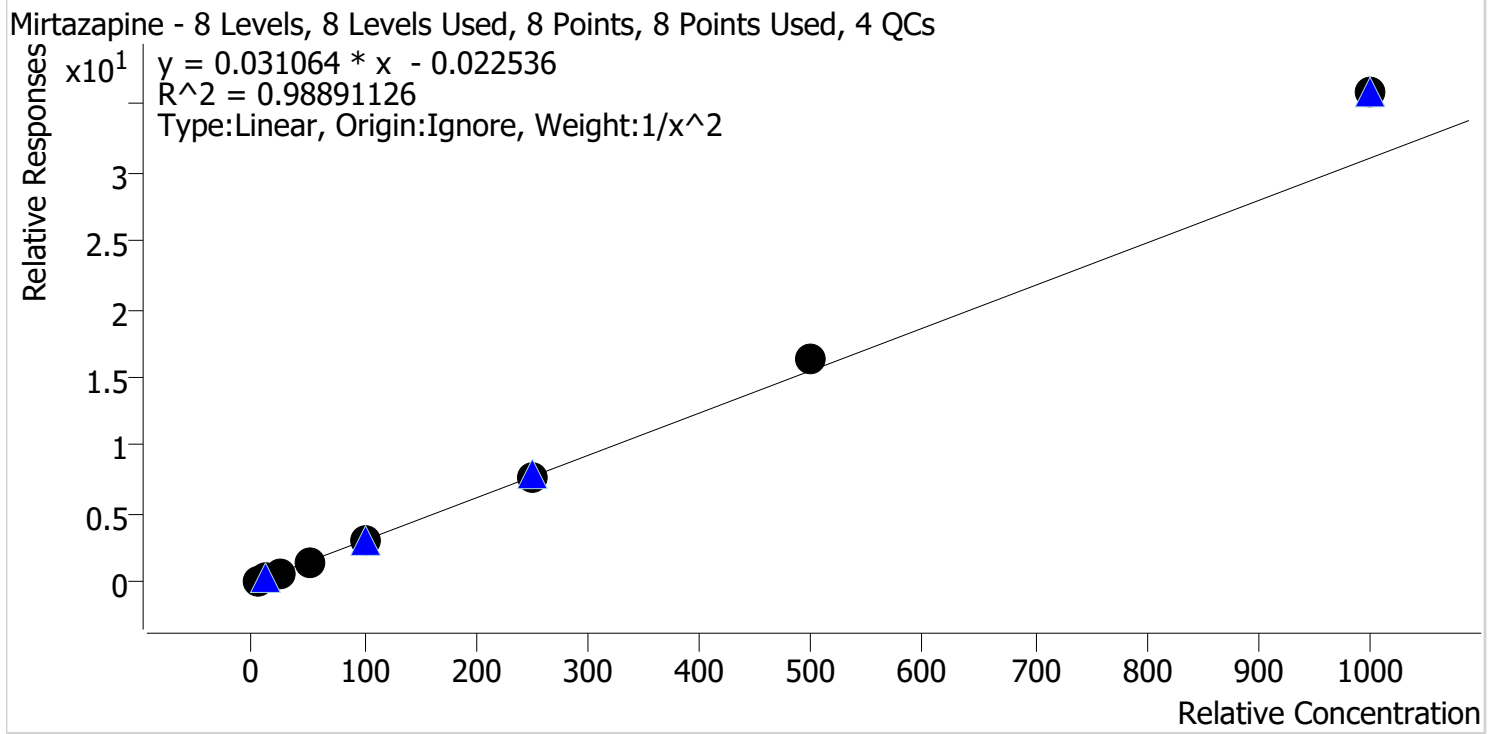
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	451.0	90.2
p1 Cal 8-1000ng	8	✗	1000.0	723.5	72.3

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-D8



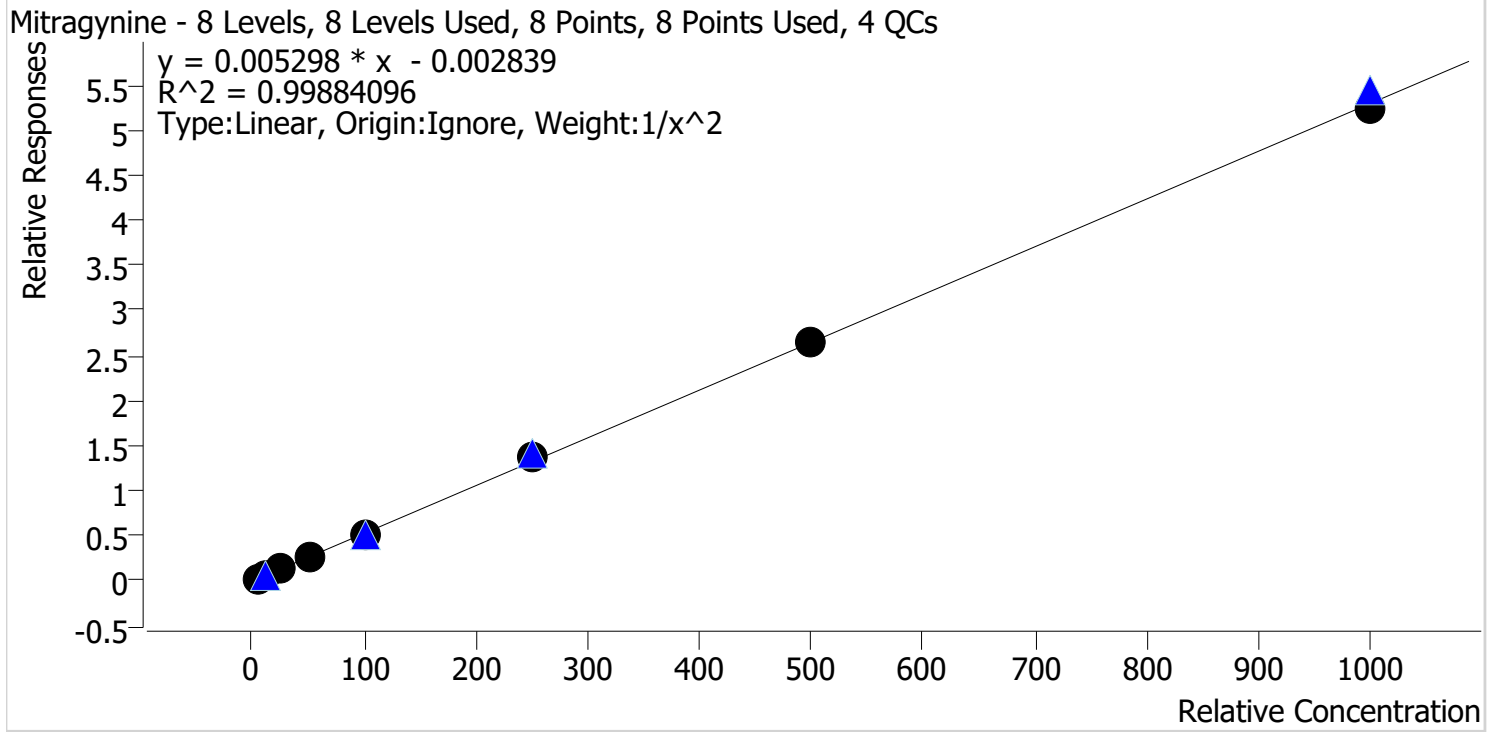
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	20.9	83.6
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	529.4	105.9
p1 Cal 8-1000ng	8	✓	1000.0	1154.1	115.4

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



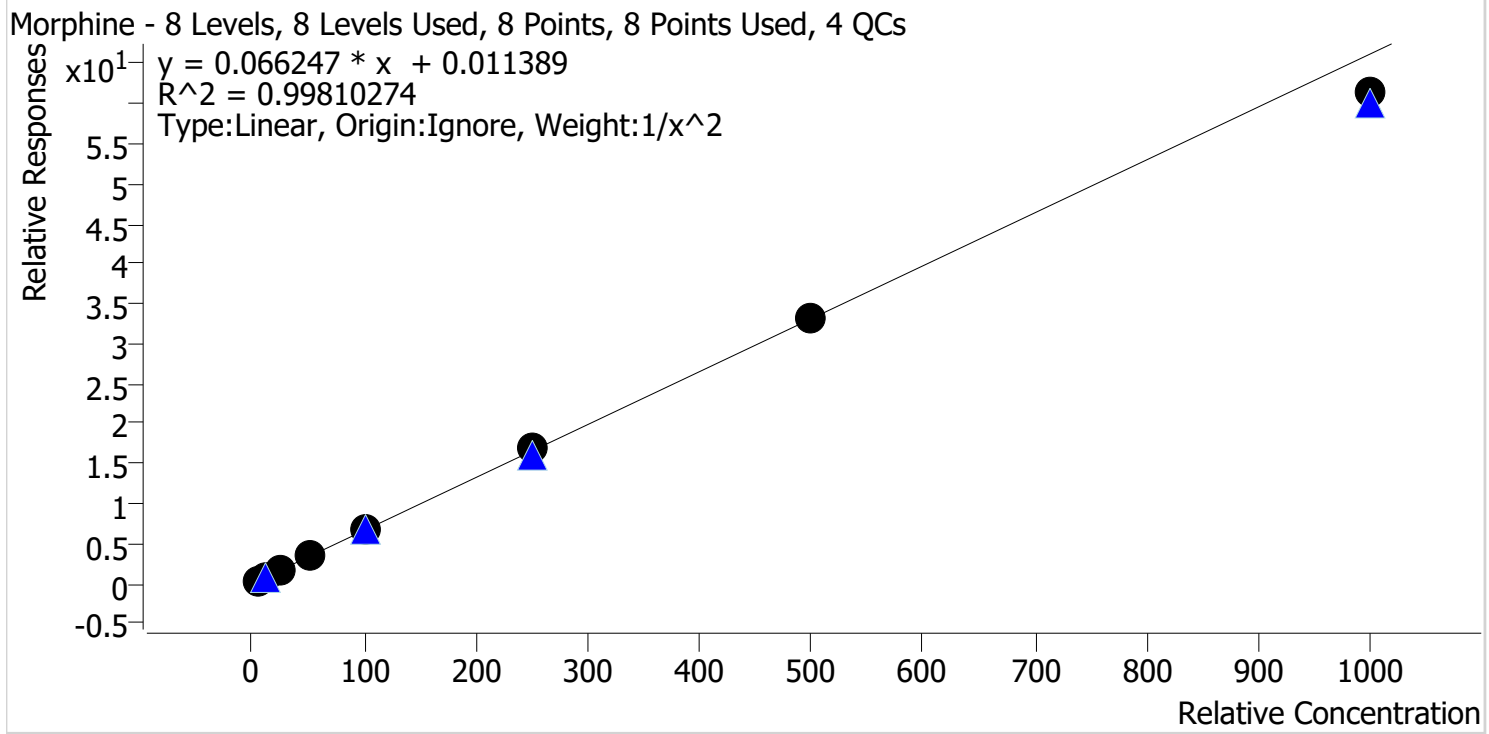
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	260.9	104.4
p1 Cal 7-500ng	7	✓	500.0	502.6	100.5
p1 Cal 8-1000ng	8	✓	1000.0	988.9	98.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	504.1	100.8
p1 Cal 8-1000ng	8	✓	1000.0	927.1	92.7

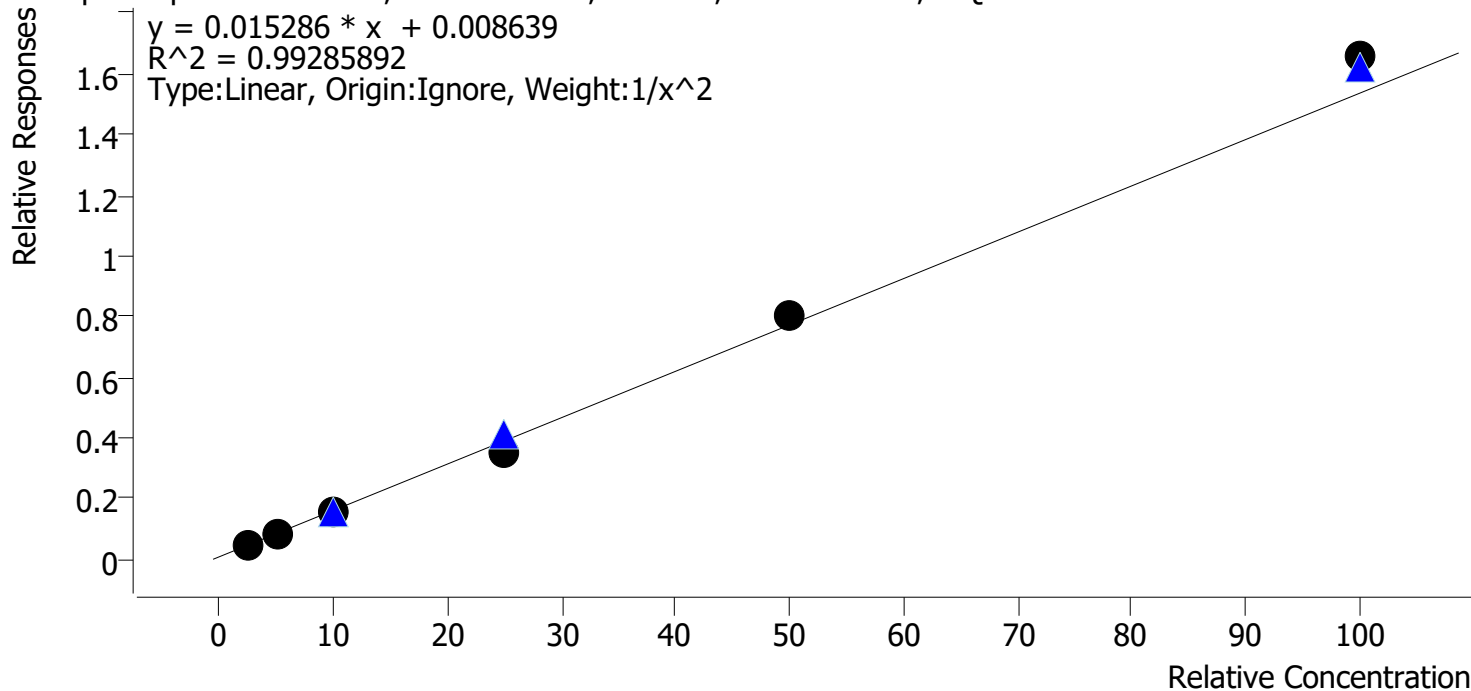
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 3 QCs



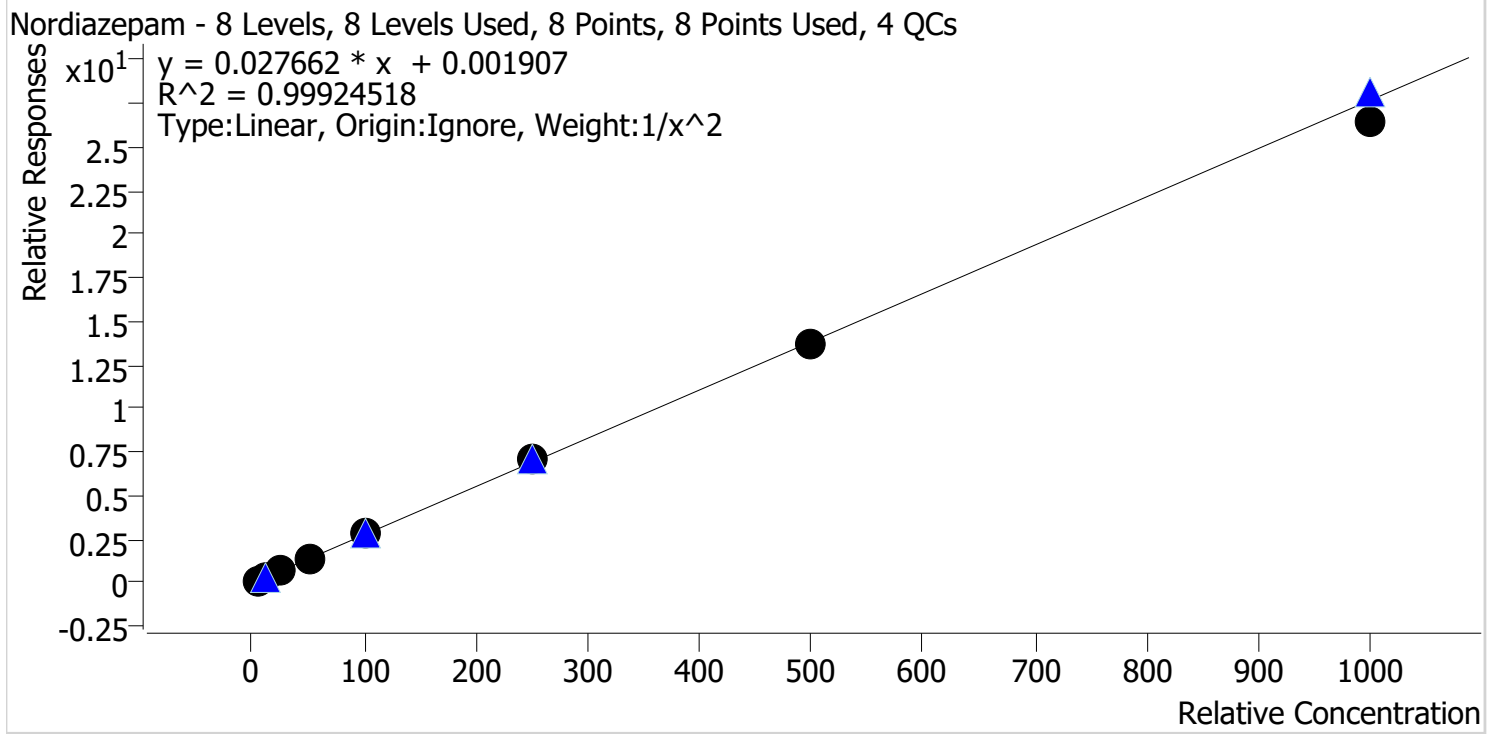
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.4
p1 Cal 4-50ng	4	✓	5.0	4.7	94.4
p1 Cal 5-100ng	5	✓	10.0	10.0	100.1
p1 Cal 6-250ng	6	✓	25.0	22.4	89.8
p1 Cal 7-500ng	7	✓	50.0	52.3	104.6
p1 Cal 8-1000ng	8	✓	100.0	107.8	107.8

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	50.8	101.7
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	953.6	95.4

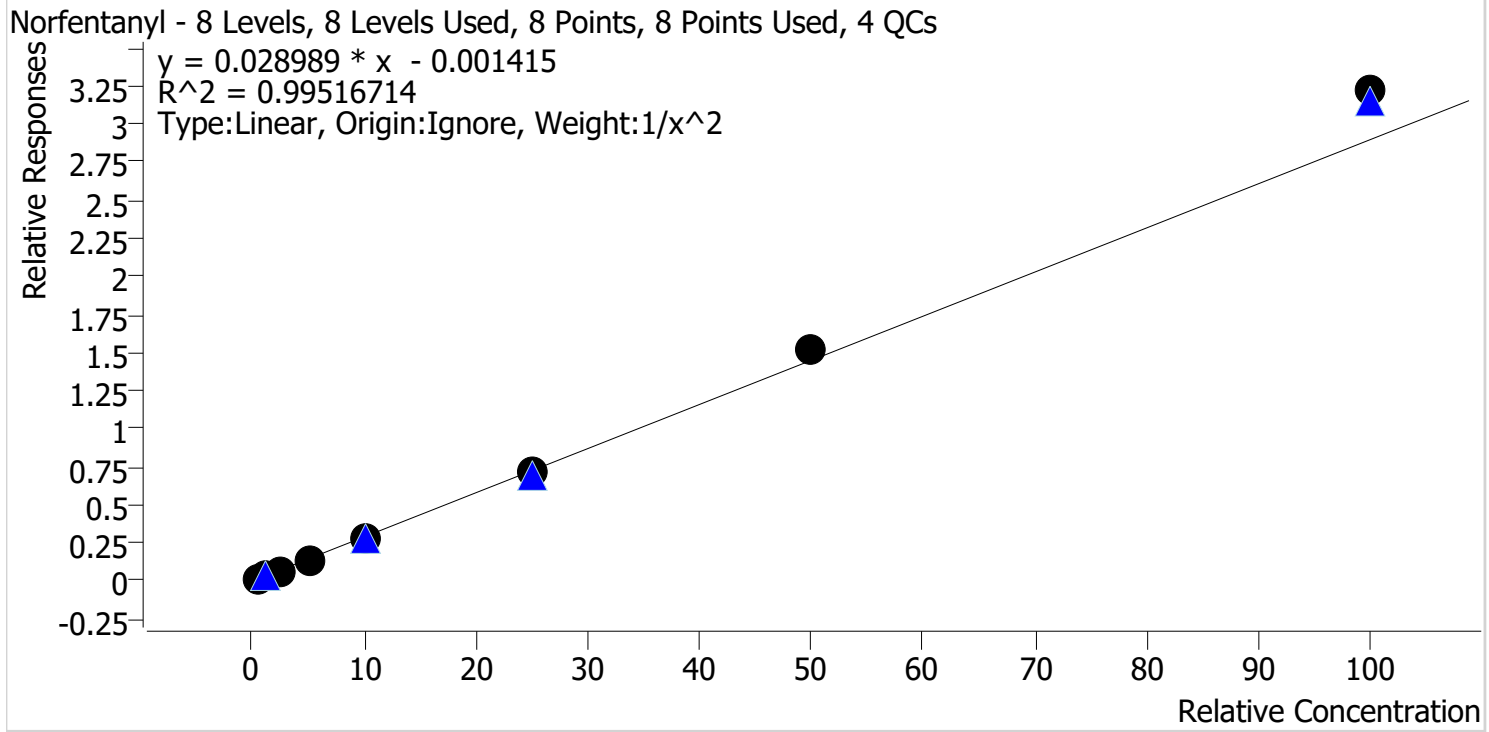


TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



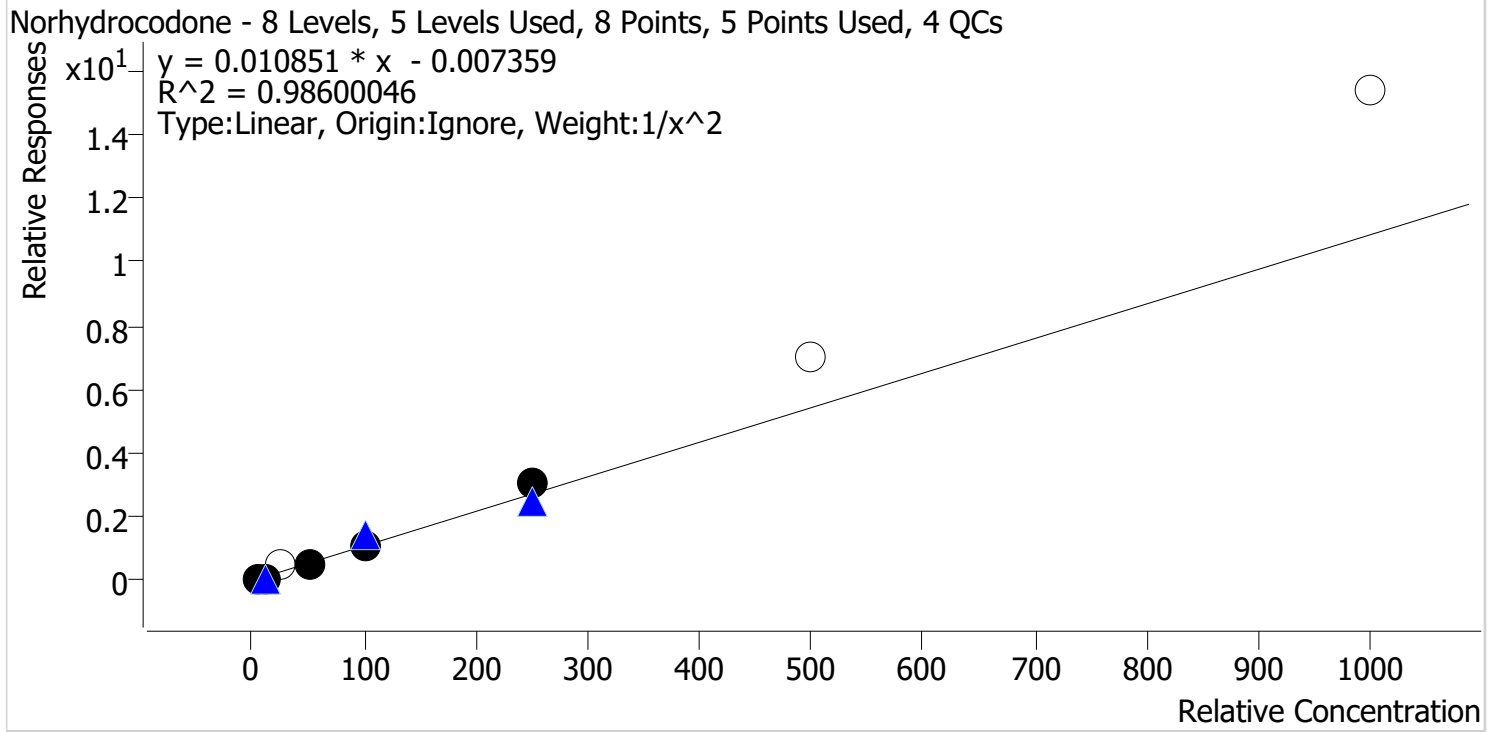
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.8
p1 Cal 2-10ng	2	✓	1.0	0.9	94.5
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.6
p1 Cal 4-50ng	4	✓	5.0	4.7	93.5
p1 Cal 5-100ng	5	✓	10.0	9.6	96.1
p1 Cal 6-250ng	6	✓	25.0	24.4	97.6
p1 Cal 7-500ng	7	✓	50.0	52.4	104.8
p1 Cal 8-1000ng	8	✓	100.0	111.1	111.1

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	106.4
p1 Cal 2-10ng	2	✓	10.0	8.8	88.0
p1 Cal 3 -25ng	3	✗	25.0	44.6	178.5
p1 Cal 4-50ng	4	✓	50.0	47.3	94.7
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	283.3	113.3
p1 Cal 7-500ng	7	✗	500.0	646.8	129.4
p1 Cal 8-1000ng	8	✗	1000.0	1417.0	141.7

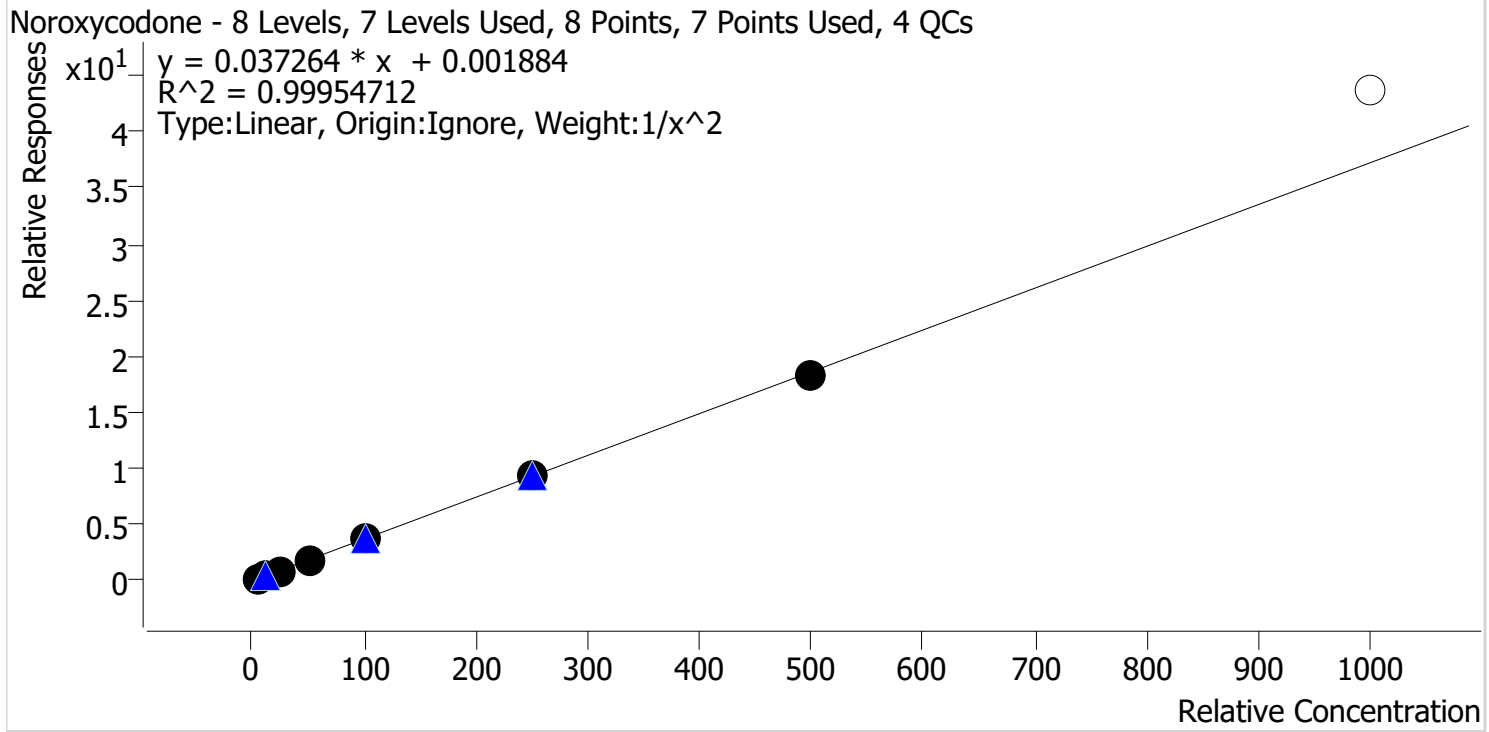
Compound not evaluated.

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



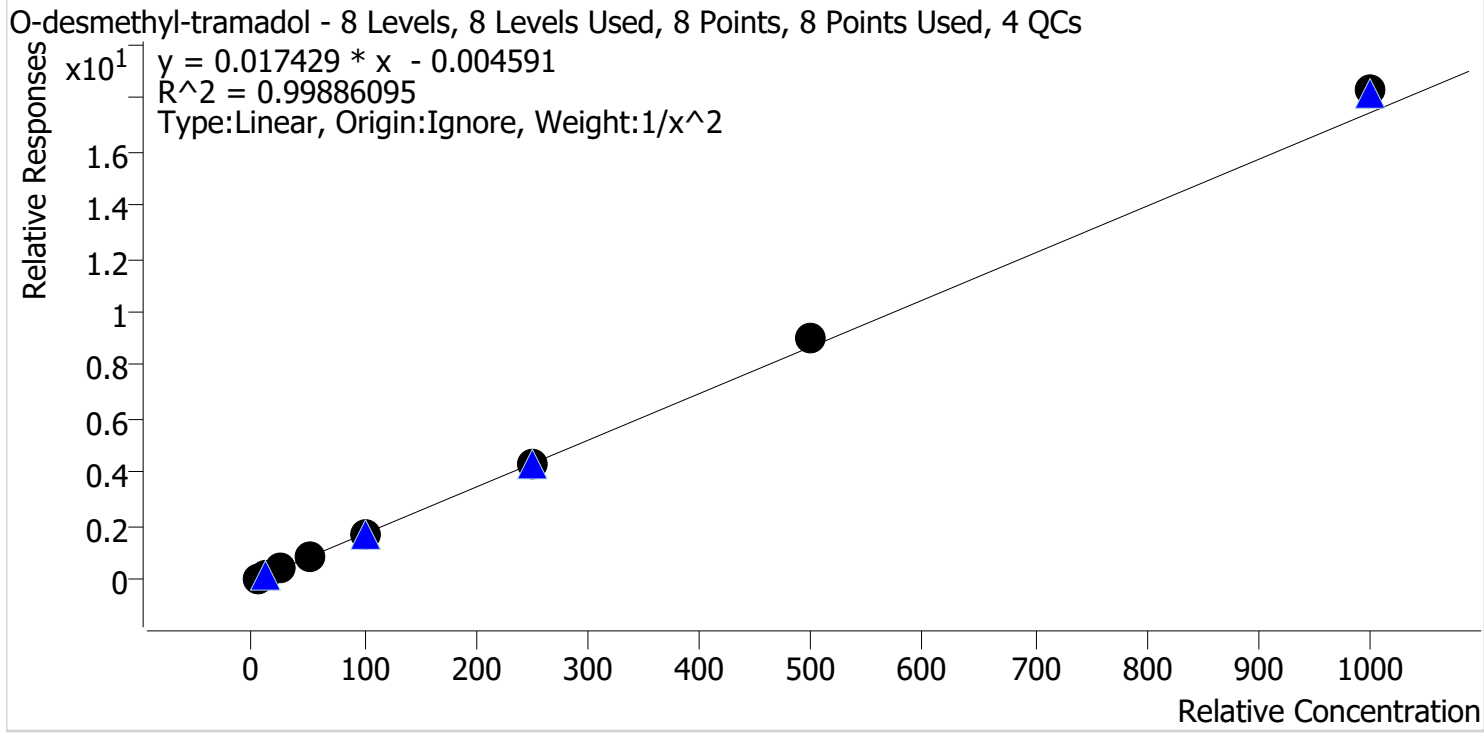
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	489.7	97.9
p1 Cal 8-1000ng	8	✗	1000.0	1172.6	117.3

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



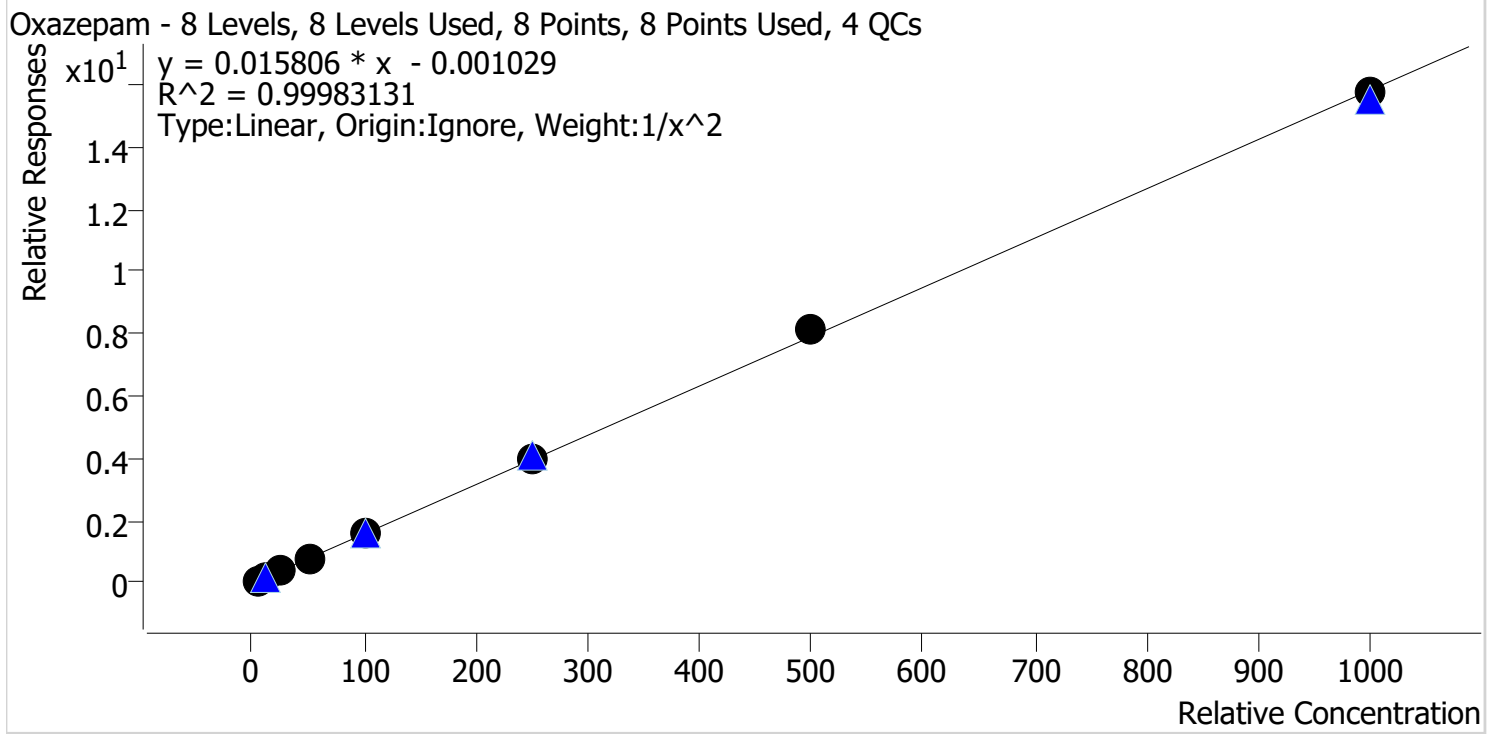
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	516.0	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1047.9	104.8

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	511.9	102.4
p1 Cal 8-1000ng	8	✓	1000.0	995.2	99.5

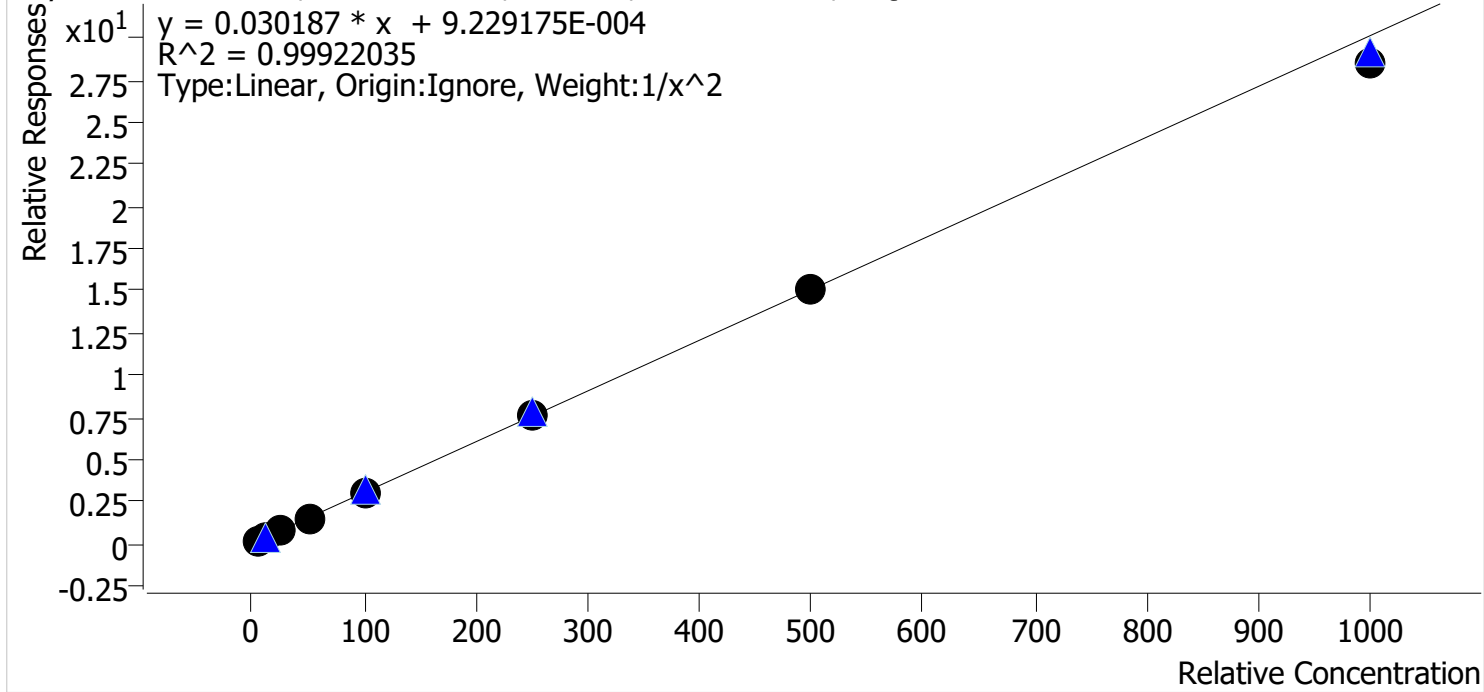
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



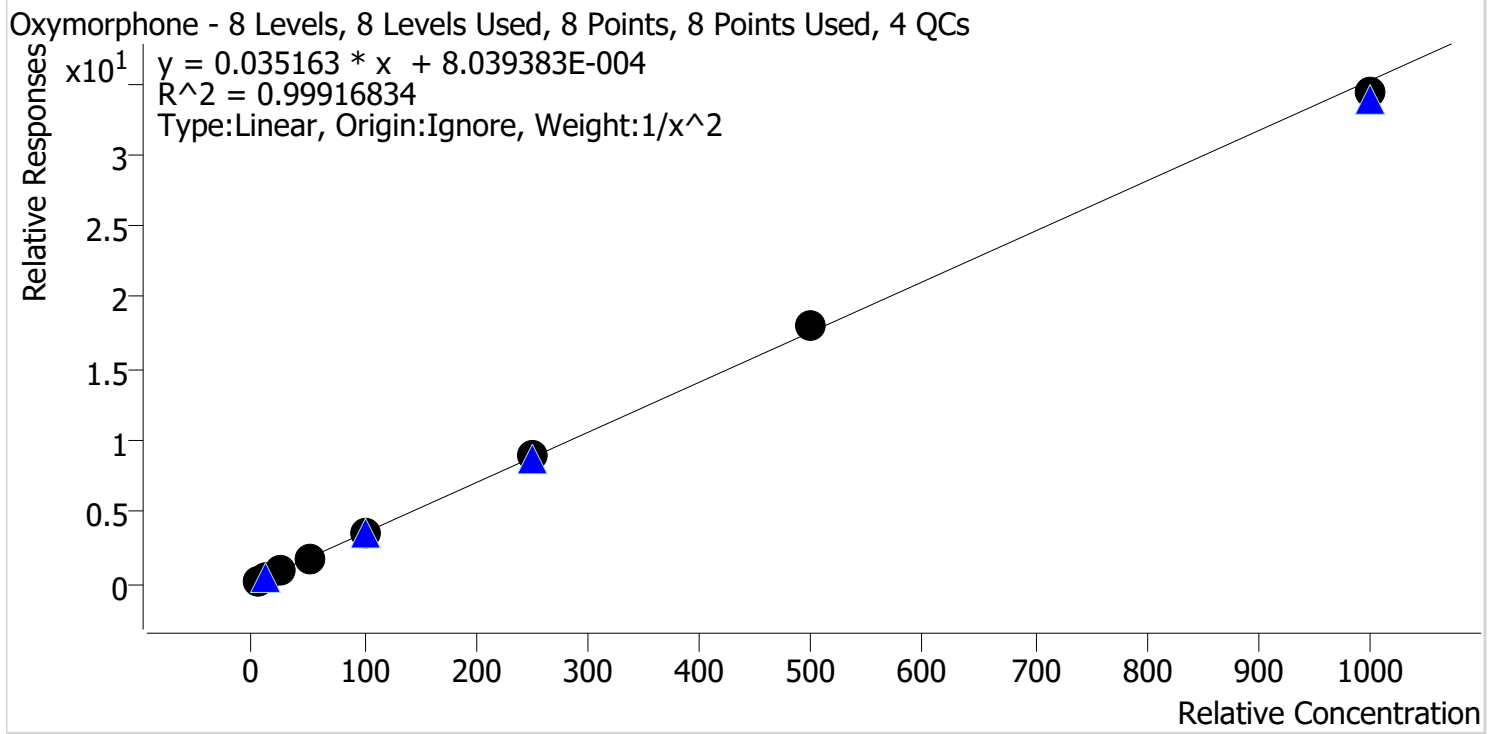
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	502.9	100.6
p1 Cal 8-1000ng	8	✓	1000.0	948.7	94.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



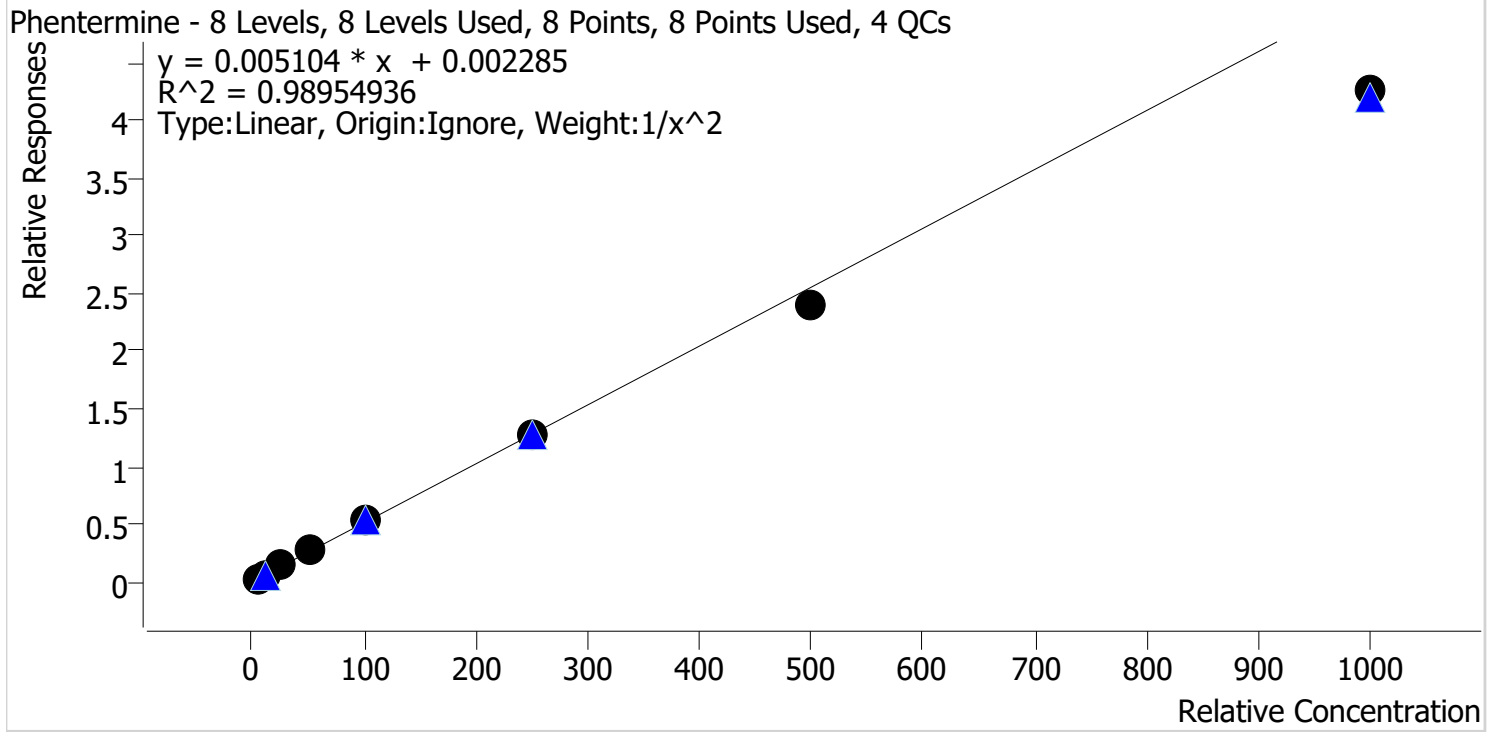
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	252.1	100.9
p1 Cal 7-500ng	7	✓	500.0	509.6	101.9
p1 Cal 8-1000ng	8	✓	1000.0	975.9	97.6

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	28.1	112.5
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	470.4	94.1
p1 Cal 8-1000ng	8	✓	1000.0	833.8	83.4



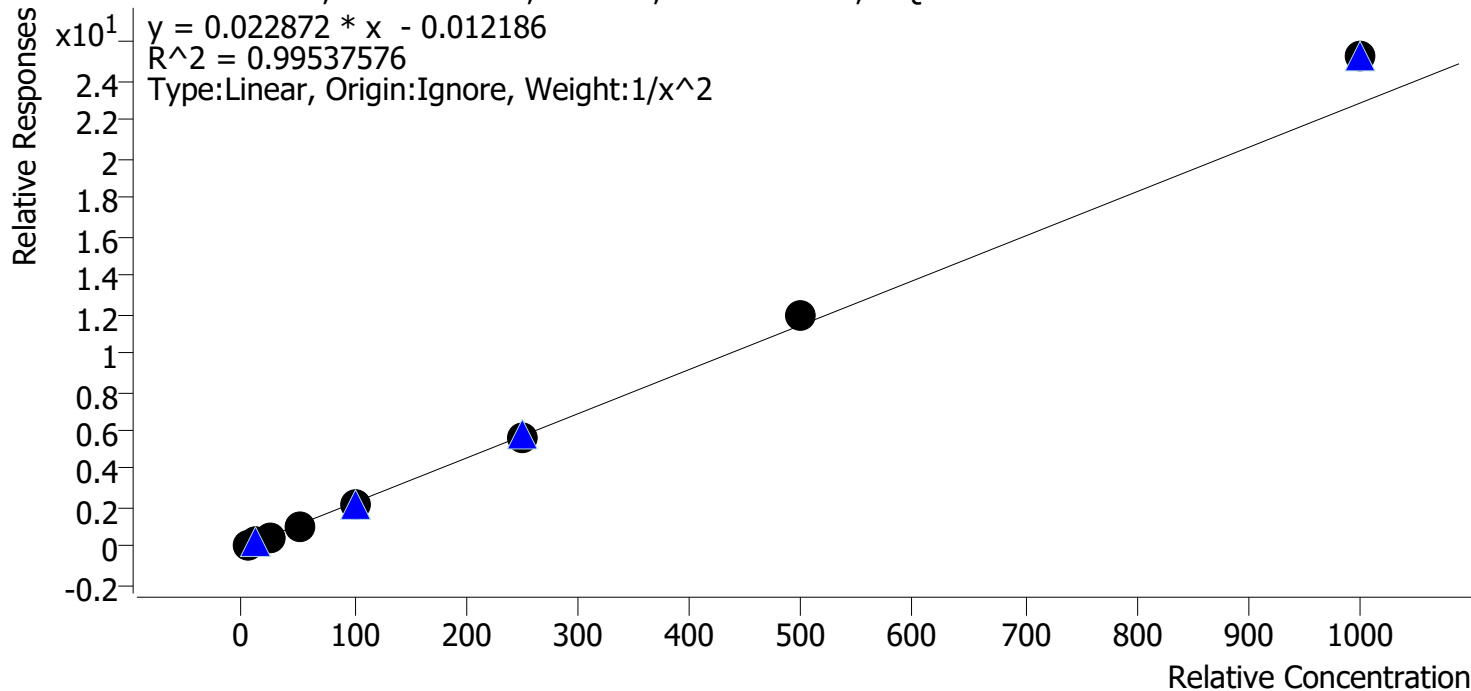
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



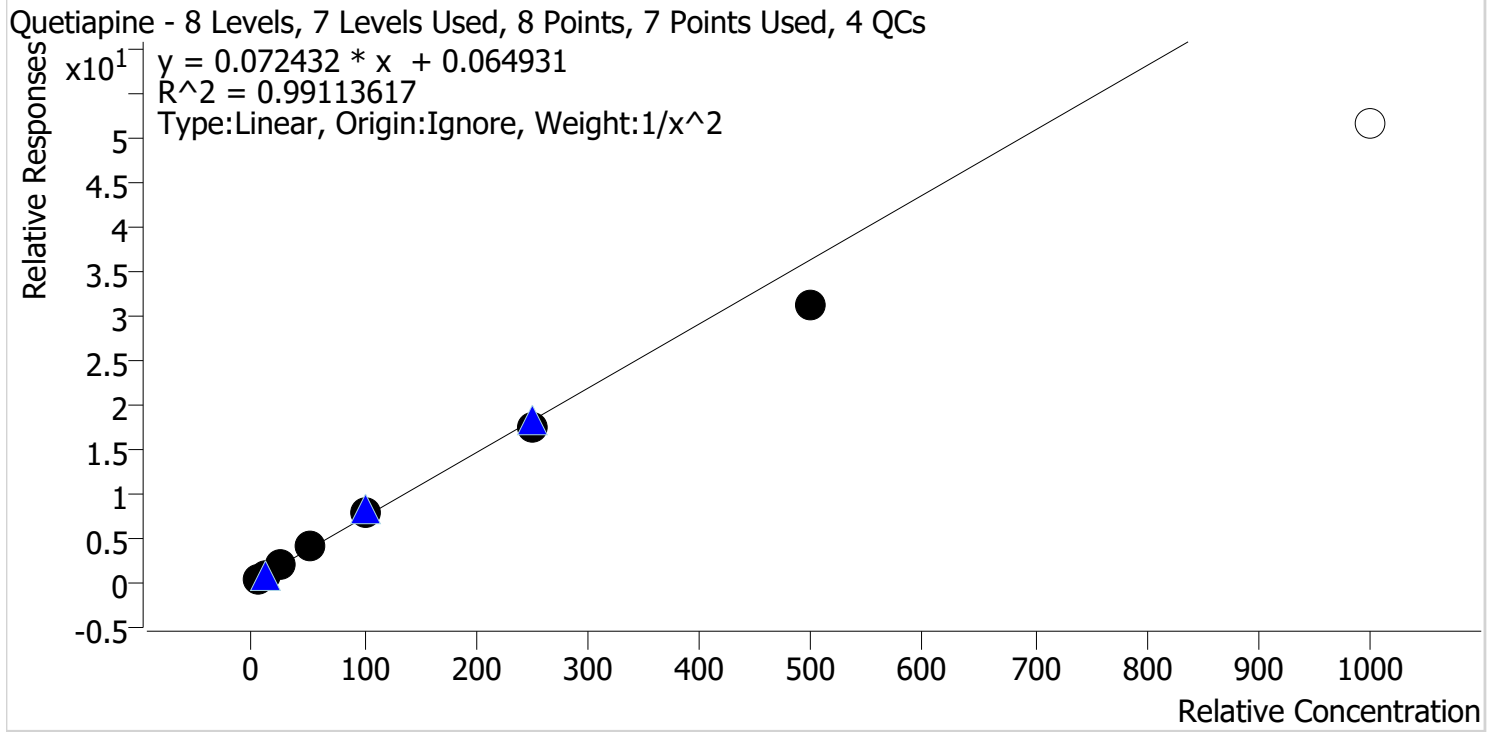
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	46.2	92.5
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	524.7	104.9
p1 Cal 8-1000ng	8	✓	1000.0	1104.6	110.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



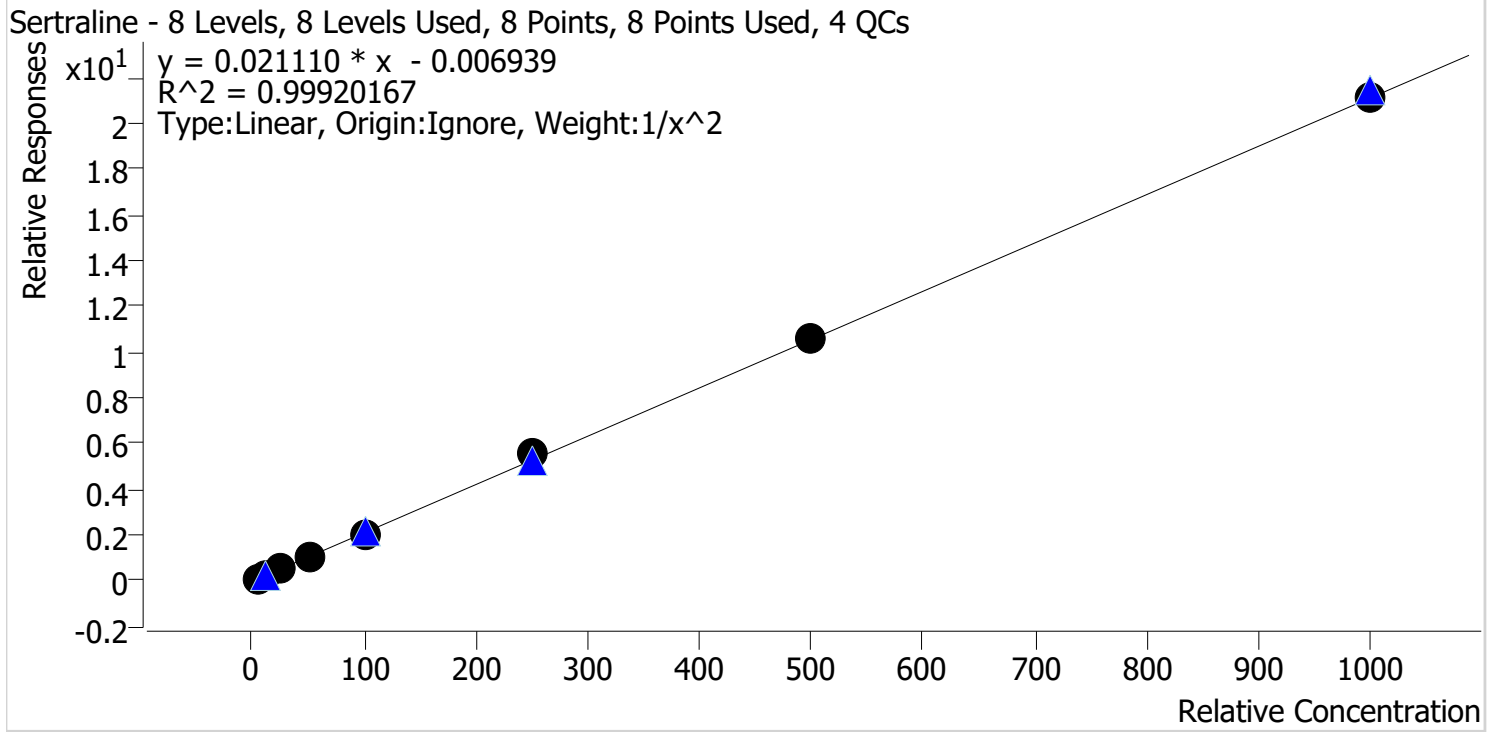
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	237.9	95.1
p1 Cal 7-500ng	7	✓	500.0	428.3	85.7
p1 Cal 8-1000ng	8	✗	1000.0	710.3	71.0

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



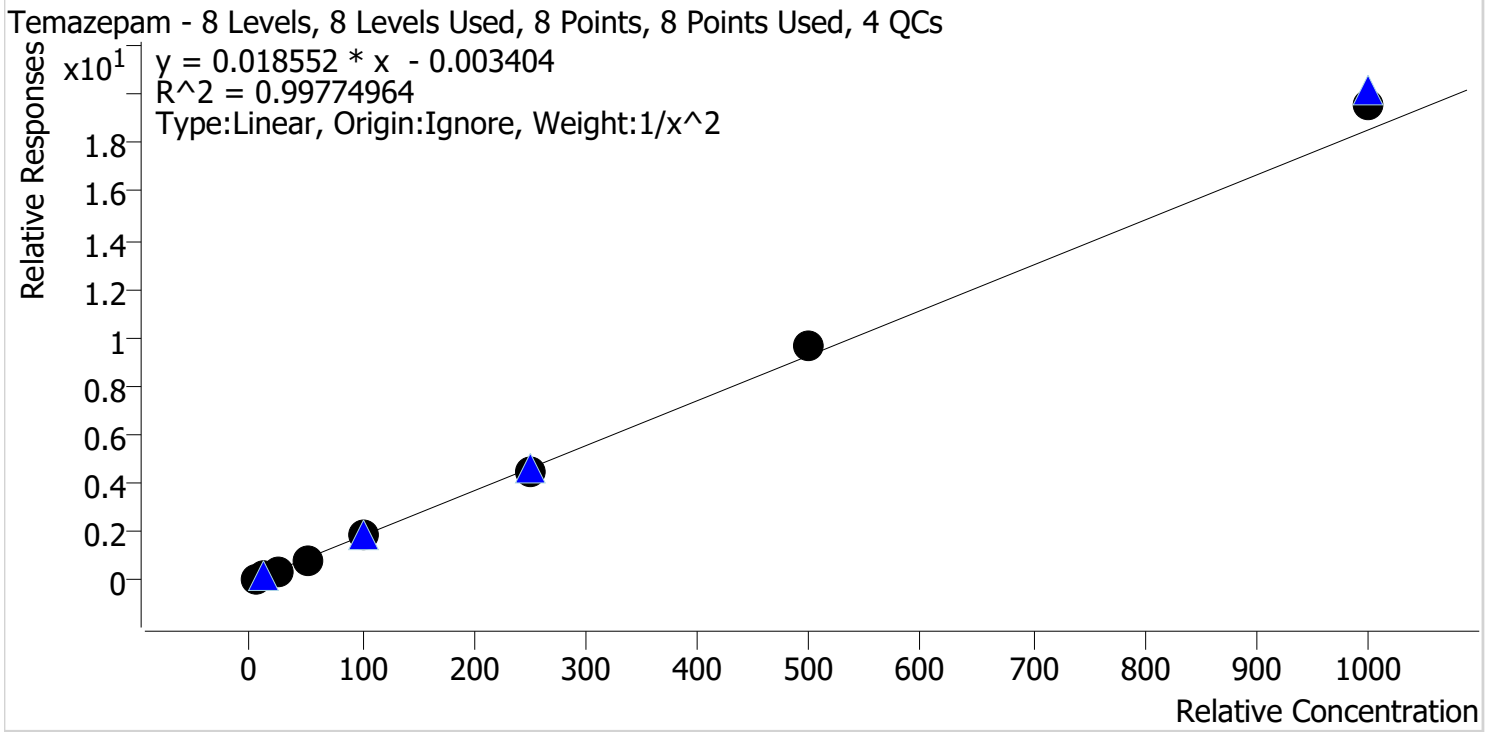
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.8
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	263.1	105.2
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	997.5	99.8

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



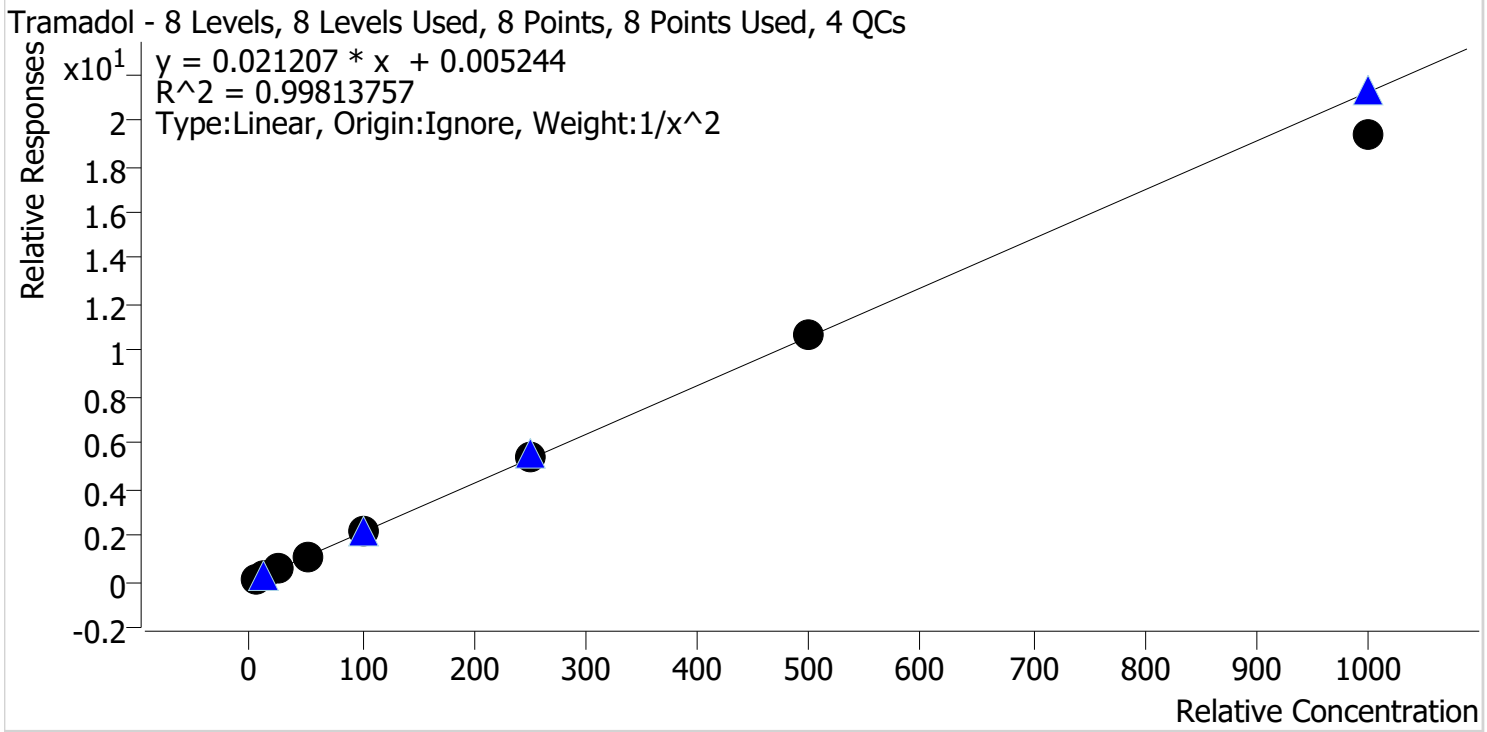
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	243.1	97.3
p1 Cal 7-500ng	7	✓	500.0	524.1	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1058.7	105.9

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



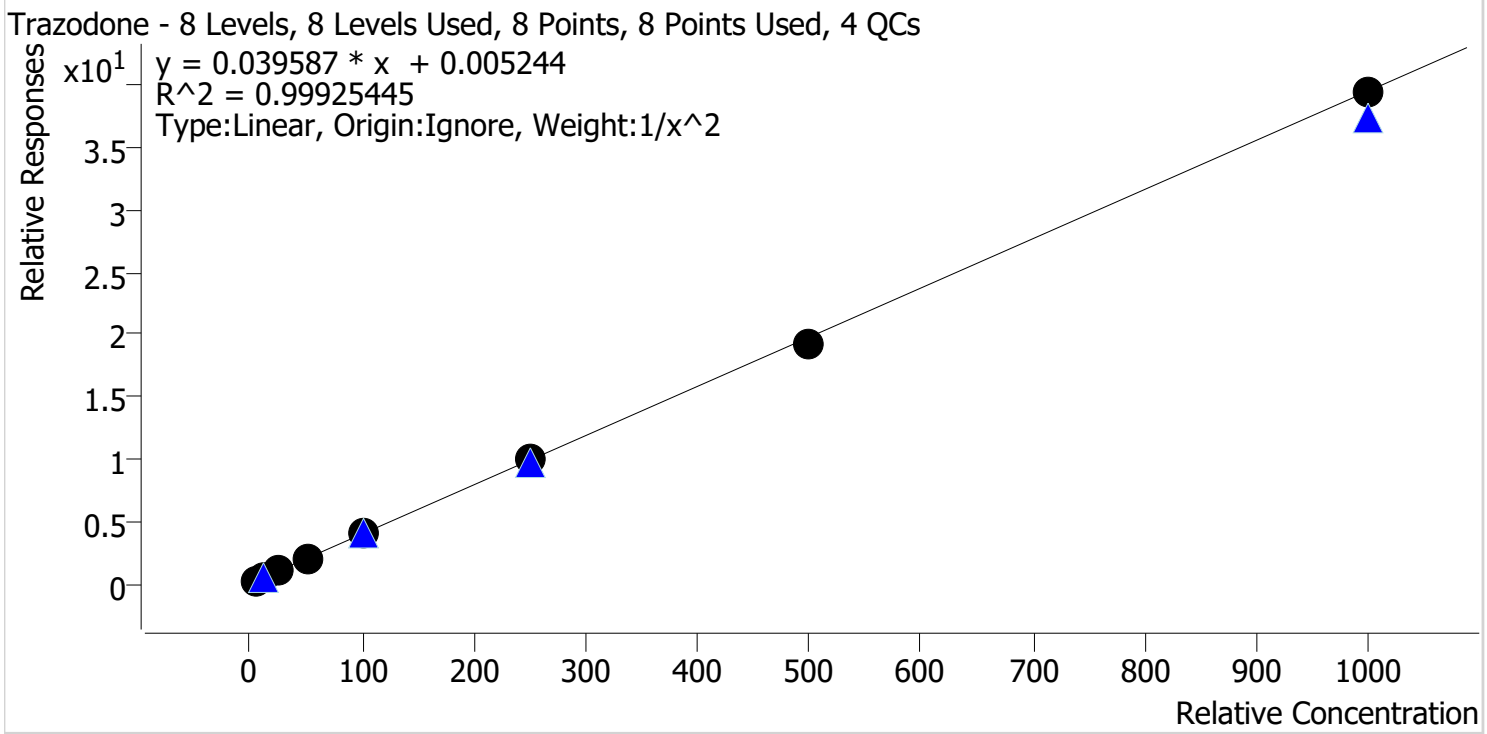
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	50.0	99.9
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	915.3	91.5

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



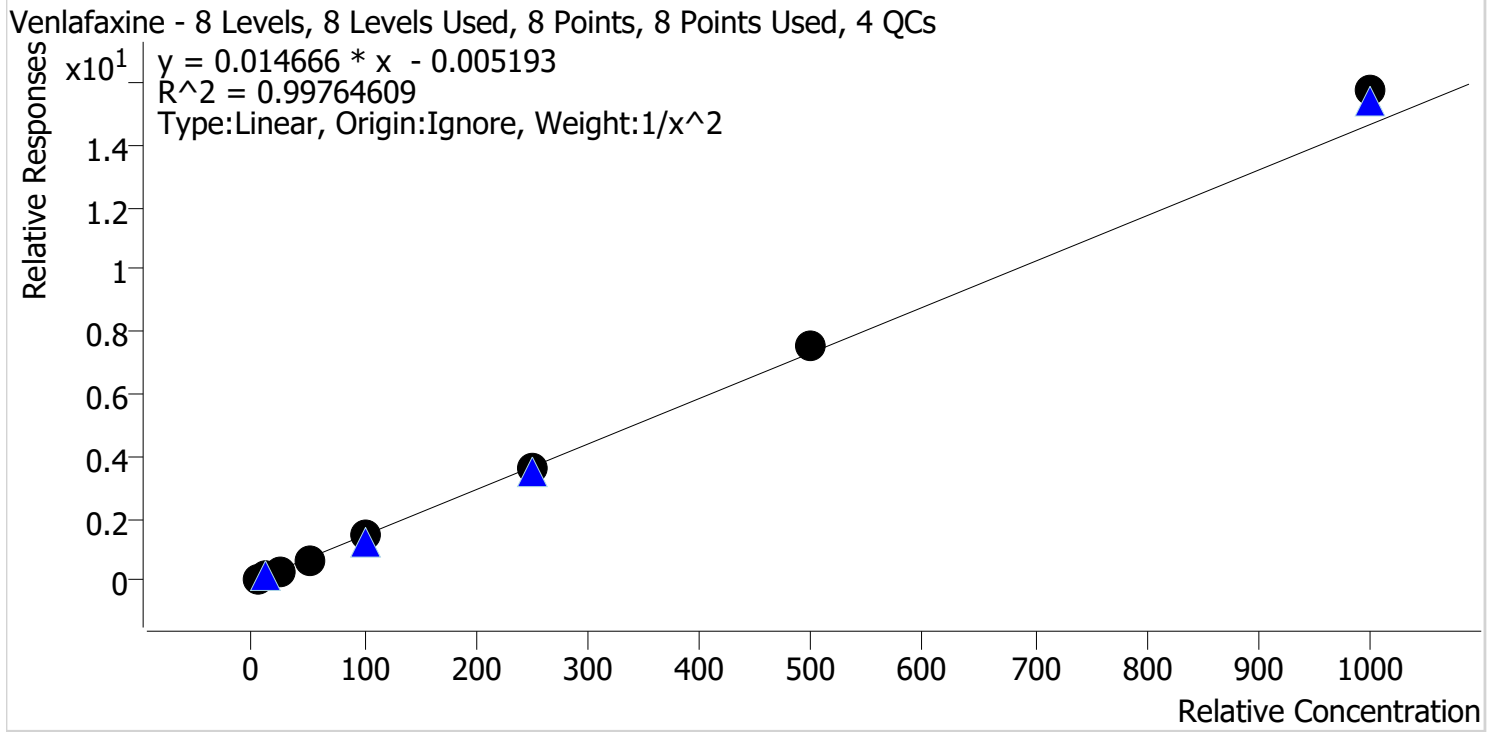
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	486.4	97.3
p1 Cal 8-1000ng	8	✓	1000.0	996.9	99.7

TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.4
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	515.6	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1074.3	107.4

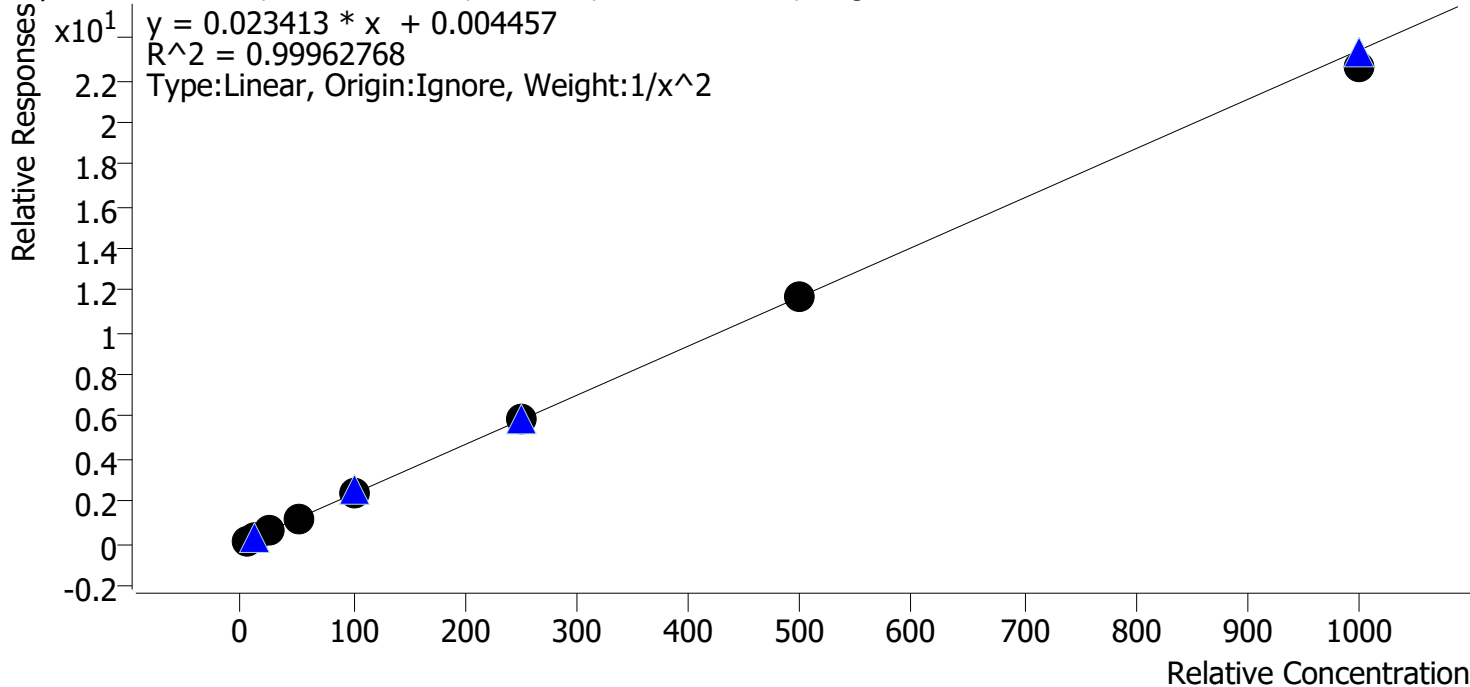
TS



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

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Last Cal. Update** 10/31/2023 9:47 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	100.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	501.4	100.3
p1 Cal 8-1000ng	8	✓	1000.0	968.0	96.8



# AM #28 Multi-Drug Quant. Results

TS

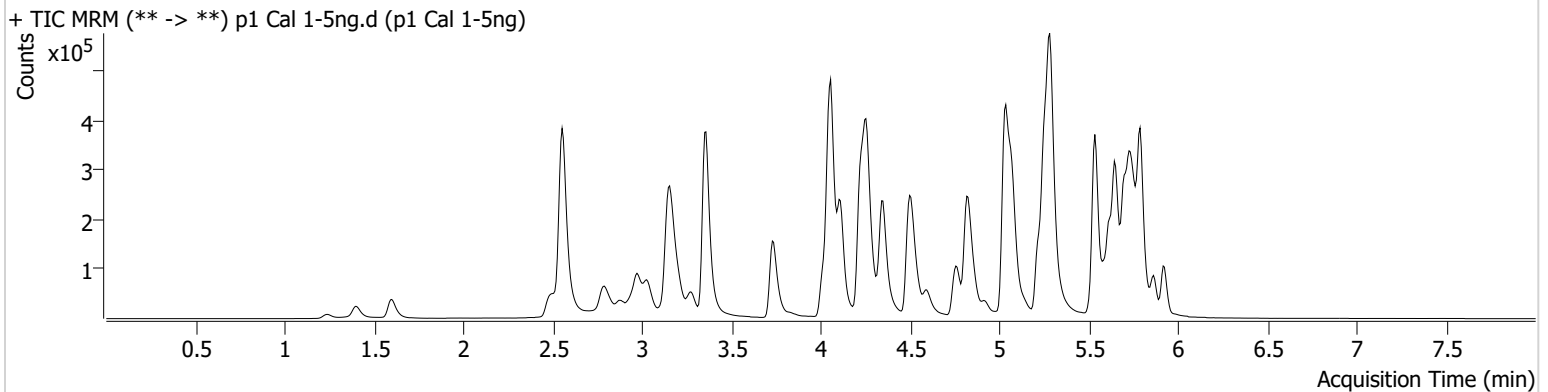


**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Calibration Last Update** 10/31/2023 9:47:04 AM

**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** Tamara Salazar  
**Sample Position** P6-A1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 11:23:23 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	3.126	668	1635.98	76.2	998.29	35910	0.4717 ng/ml
7-aminoclonazepam	4.238	14357	49.50	90.0	191.74	136247	4.8040 ng/ml
a-hydroxyalprazolam	5.676	7005	165.97	80.2	111.71	72543	5.2803 ng/ml
alpha-PHP	4.922	16162	311.73	273.9	16004.99	548300	5.1876 ng/ml
alpha-PVP	4.357	68454	543.67	44.6	131.09	548300	5.0629 ng/ml
Alprazolam	5.753	25656	237.98	118.2	244.03	225363	5.2413 ng/ml
Benzoylcegonine	3.857	1943	38.36	7.8	64.89	12739	4.8282 ng/ml
Bromazolam	5.791	9040	5352.46	115.5	12445.48	117314	5.0400 ng/ml
Buprenorphine	5.763	1366	1103.33	11.3 <b>Low</b>	168.76	88846	0.4662 ng/ml
Bupropion	4.772	49279	135349.56	72.2	374.55	268286	5.0839 ng/ml
Carisoprodol	5.708	16130	19458.42	52.9	132.82	131827	5.1016 ng/ml
Citalopram	5.220	40569	306.26	34.8	21906.01	376563	5.0824 ng/ml
Clonazepam	5.595	38909	3223.10	33.1	137.97	86510	4.8562 ng/ml
Clonazolam	5.538	24525	29943.98	23.7	5519.31	86510	4.7950 ng/ml
Cocaine	4.258	42820	53267.65	53.2	152.79	671098	4.9996 ng/ml
Codeine	2.546	4531	7529.24	123.2	16202.66	55354	4.8203 ng/ml
Cyclobenzaprine	5.618	35312	37067.50	9.2	200.20	359188	5.1905 ng/ml
Dextromethorphan	5.263	28678	31873.86	82.7	2597.50	264110	5.0204 ng/ml
Dextrorphan	4.111	15999	25159.88	209.0	3120.19	432949	5.1762 ng/ml
Diazepam	5.925	17921	342.57	90.1	359.13	180355	4.9661 ng/ml
Dihydrocodeine	2.518	13551	1447.36	53.3	188.76	157071	4.8802 ng/ml
Diphenhydramine	5.291	102207	258.66	23.1	222.79	1088220	5.0767 ng/ml
Doxylamine	4.518	85371	679.57	97.5	2110.86	778953	5.1907 ng/ml
Duloxetine	5.645	4779	113.31	9.9	148.47	60310	4.9666 ng/ml
EDDP	5.256	54093	174.43	48.6	1997.50	674344	5.0607 ng/ml
Etizolam	5.792	14770	20292.65	27.8	4042.65	86510	5.0567 ng/ml
Fentanyl	5.082	2848	10.95	95.7	2131.57	453020	0.5225 ng/ml
Fluorofentanyl	5.136	12686	574.63	36.4	897.47	4916	0.5313 ng/ml
Fluoxetine	5.705	45464	752.24	6.8	4718.22	313850	5.1496 ng/ml
Hydrocodone	2.998	20648	49.64	25.0	85.48	239205	4.8459 ng/ml
Hydromorphone	1.609	17646	96046.31	71.8	45949.38	110151	5.0322 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.695	24826	1244.62	67.9	1234.22	264110	5.0298 ng/ml
Ketamine	4.030	38825	193.30	39.6	253.59	254331	4.8807 ng/ml
Lamotrigine	4.267	3159	391.77	89.7	4755.54	1086192	4.9161 ng/ml
Lorazepam	5.724	33775	314.39	47.6	35.44	374497	4.5815 ng/ml
MDA	3.190	50643	751.74	30.5	129.24	225681	4.8644 ng/ml
MDMA	3.285	38049	701.54	79.6	254.97	70398	5.0378 ng/ml
Meprobamate	4.882	4459	10.85	36.0	17.84	48863	4.9093 ng/ml
Methadone	5.650	74607	392.40	39.4	1912.09	474869	5.1345 ng/ml
Metoprolol	4.321	9452	1038.73	97.4	353.97	656808	4.8802 ng/ml
Mirtazapine	4.594	76758	313272.01	53.0	11469.11	548300	5.2320 ng/ml
Mitragynine	5.217	11295	10185.63	32.9	976.12	474869	5.0258 ng/ml
Morphine	1.247	2659	1514.94	18.0	85.02	7691	5.0466 ng/ml
Nordiazepam	5.871	17615	956.82	67.0	368.20	126577	4.9620 ng/ml
Norfentanyl	4.078	10737	433.43	33.0	24.00	787525	0.5191 ng/ml
Norhydrocodone	3.053	2580	47.70	25.9	36.06	51243	5.3189 ng/ml
Noroxycodone	2.896	16143	425.98	46.9	177.71	84799	5.0580 ng/ml
O-desmethyl-tramadol	3.358	87256	3848.76	4.8	76.99	1037608	5.0883 ng/ml
o-desmethylvenlafaxine	4.056	99579	11164.00	16.9	68.36	218616	5.1949 ng/ml
Olanzapine	4.353	13546	212.47	51.1	336.01	49211	5.1113 ng/ml
Oxazepam	5.734	29377	136.74	89.7	82.21	374497	5.0283 ng/ml
Oxycodone	2.814	36372	414.12	29.6	474.44	239262	5.0052 ng/ml
Oxymorphone	1.405	13386	93.13	45.5	44.20	74308	5.1003 ng/ml
Phentermine	3.767	13110	44.17	8.2	23.55	487033	4.8256 ng/ml
Promethazine	5.535	76187	450.97	33.5	351.61	716745	5.1802 ng/ml
Pseudoephedrine	2.562	99339	162.09	15.3	2229.14	1086192	5.2257 ng/ml
Quetiapine	5.531	50622	172542.40	49.6	11793.13	121548	4.8534 ng/ml
Sertraline	5.767	17914	338.71	111.5	41247.62	180607	5.0274 ng/ml
Temazepam	5.795	49414	234.03	30.9	163.32	536110	5.1518 ng/ml
Tramadol	4.240	72606	∞	3.1	12.81	656808	4.9653 ng/ml
Trazodone	5.074	82470	765.30	51.3	78.09	401233	5.0596 ng/ml
Venlafaxine	5.036	59368	5810.43	42.7	303.62	843313	5.1543 ng/ml
Xylazine	4.065	37969	3871.71	40.8	93.34	273309	5.1538 ng/ml
Zolpidem	4.838	82428	859617.73	26.8	138.32	676795	5.0114 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

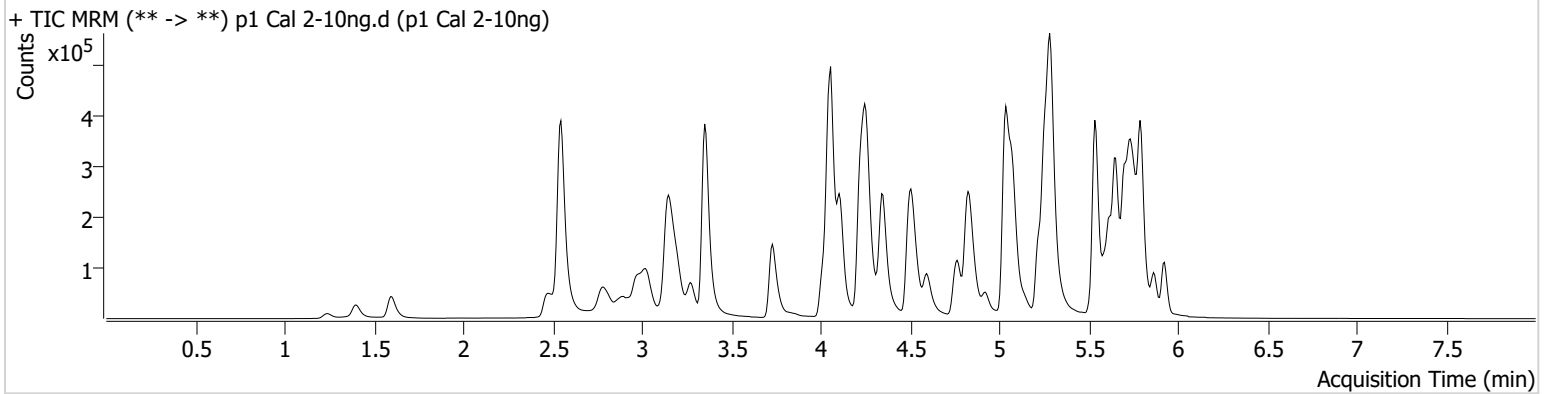


**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Calibration Last Update** 10/31/2023 9:47:04 AM

**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** Tamara Salazar  
**Sample Position** P6-B1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 11:34:10 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	3.126	1488	242.70	67.8	891.57	32902	1.0816 ng/ml
7-aminoclonazepam	4.231	27809	1069.64	80.1	120.48	128829	10.3883 ng/ml
a-hydroxyalprazolam	5.676	12660	194.54	79.4	398.55	70393	9.0233 ng/ml
alpha-PHP	4.929	27930	441.47	276.6	8269.34	482197	10.0133 ng/ml
alpha-PVP	4.350	121544	241.04	43.5	146.35	482197	9.9695 ng/ml
Alprazolam	5.753	45012	300.96	126.0	312.73	209018	9.3132 ng/ml
Benzoylcegonine	3.857	3756	175.92	8.2	420.02	11636	10.5130 ng/ml
Bromazolam	5.791	16694	18009.12	112.8	25585.49	107116	9.8636 ng/ml
Buprenorphine	5.763	2192	123.50	17.5	377.22	76021	0.9831 ng/ml
Bupropion	4.772	85294	142.73	74.0	310.67	244301	9.6541 ng/ml
Carisoprodol	5.708	28520	∞	55.3	167.32	123705	9.6716 ng/ml
Citalopram	5.220	71218	150.10	33.9	24143.04	331776	9.6870 ng/ml
Clonazepam	5.595	71108	780.21	30.7	43350.35	79234	10.1478 ng/ml
Clonazolam	5.538	43452	38831.56	24.5	7401.39	79234	10.1978 ng/ml
Cocaine	4.251	76136	1341.23	54.8	685.09	602844	9.9427 ng/ml
Codeine	2.512	8309	3067.00	123.7	6944.84	51305	10.1185 ng/ml
Cyclobenzaprine	5.618	60997	84502.33	9.5	3985.71	309392	9.4977 ng/ml
Dextromethorphan	5.263	49834	75878.82	84.0	213.97	228529	9.9388 ng/ml
Dextrorphan	4.111	27320	279.98	221.7	372.97	393363	9.5954 ng/ml
Diazepam	5.925	32372	553.26	88.2	4054.33	161544	9.9896 ng/ml
Dihydrocodeine	2.491	25214	220.29	52.7	341.64	147595	9.8904 ng/ml
Diphenhydramine	5.291	177750	3336.50	23.1	361.67	953775	9.9071 ng/ml
Doxylamine	4.518	151765	26789.95	99.5	13674.82	709136	9.5641 ng/ml
Duloxetine	5.645	8585	9464.95	8.7	492.15	50532	10.2341 ng/ml
EDDP	5.256	94427	514.76	46.6	88.51	591774	9.8517 ng/ml
Etizolam	5.792	25635	1085.55	26.6	5597.88	79234	9.3505 ng/ml
Fentanyl	5.082	5226	121.03	83.7	4260.27	402005	0.9759 ng/ml
Fluorofentanyl	5.143	21587	204.87	34.5	2881.40	4906	0.8882 ng/ml
Fluoxetine	5.705	76396	446.53	7.4	3258.59	274520	9.6083 ng/ml
Hydrocodone	2.998	38789	77.85	24.0	47.68	223039	10.4159 ng/ml
Hydromorphone	1.602	32889	34292.00	69.8	465.59	102360	9.9024 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.695	43810	1740.23	66.1	725.99	228529	9.9960 ng/ml
Ketamine	4.030	66726	2667.71	41.9	77.94	231473	9.9865 ng/ml
Lamotrigine	4.267	5851	294.26	78.6	2891.85	999930	10.1017 ng/ml
Lorazepam	5.724	63134	1550.97	46.4	93.88	328518	11.1130 ng/ml
MDA	3.184	87699	1113.27	30.3	385.52	198490	9.9442 ng/ml
MDMA	3.278	69684	25227.19	77.4	460.72	64870	10.1378 ng/ml
Meprobamate	4.882	9077	80.78	37.7	539.94	45393	10.1746 ng/ml
Methadone	5.650	131843	7070.62	39.8	3081.72	410683	9.7938 ng/ml
Metoprolol	4.321	17229	6174.67	98.0	958.14	601294	10.3000 ng/ml
Mirtazapine	4.594	135793	78548.89	54.8	3969.53	482197	9.7909 ng/ml
Mitragynine	5.217	20755	22532.74	30.7	6589.38	410683	10.0755 ng/ml
Morphine	1.247	4732	1069.14	16.9	745.51	7324	9.5819 ng/ml
Nordiazepam	5.871	31385	1075.73	67.4	236.07	110973	10.1552 ng/ml
Norfentanyl	4.071	19000	1113.09	31.8	85.42	731529	0.9448 ng/ml
Norhydrocodone	3.053	4241	84.19	28.3	100.49	48114	8.8013 ng/ml
Noroxycodone	2.889	28367	211.70	43.6	7.30 <b>Low</b>	77585	9.7613 ng/ml
O-desmethyl-tramadol	3.358	160339	12308.59	4.6	682.99	961445	9.8318 ng/ml
o-desmethylvenlafaxine	4.056	173845	21966.16	17.4	396.63	202164	9.3767 ng/ml
Olanzapine	4.346	22115	8136.39	54.0	661.17	40014	9.7664 ng/ml
Oxazepam	5.734	51232	171.52	87.0	85.32	328518	9.9319 ng/ml
Oxycodone	2.808	64383	645.49	27.1	432.70	216042	9.8416 ng/ml
Oxymorphone	1.398	22810	528.45	45.9	443.13	66995	9.6597 ng/ml
Phentermine	3.767	23744	61.41	7.5	16.51	443618	10.0379 ng/ml
Promethazine	5.535	129477	462.55	32.1	1045.21	623626	9.6102 ng/ml
Pseudoephedrine	2.555	181557	2535.19	15.0	1682.91	999930	9.5241 ng/ml
Quetiapine	5.531	88605	234.82	52.3	119296.17	110246	10.1995 ng/ml
Sertraline	5.767	31639	2658.69	109.0	304.79	155773	9.9501 ng/ml
Temazepam	5.795	85004	1450.58	31.6	248.03	485107	9.6286 ng/ml
Tramadol	4.240	130534	1035.92	2.9	29.86	601294	9.9893 ng/ml
Trazodone	5.074	146848	1016.66	50.2	371.76	375213	9.7539 ng/ml
Venlafaxine	5.036	104099	7860.91	43.6	679.54	764038	9.6444 ng/ml
Xylazine	4.065	66872	95966.50	40.5	215.38	248630	9.5959 ng/ml
Zolpidem	4.845	149463	97321.34	29.2	769.46	635983	9.8470 ng/ml

# AM #28 Multi-Drug Quant. Results

TS



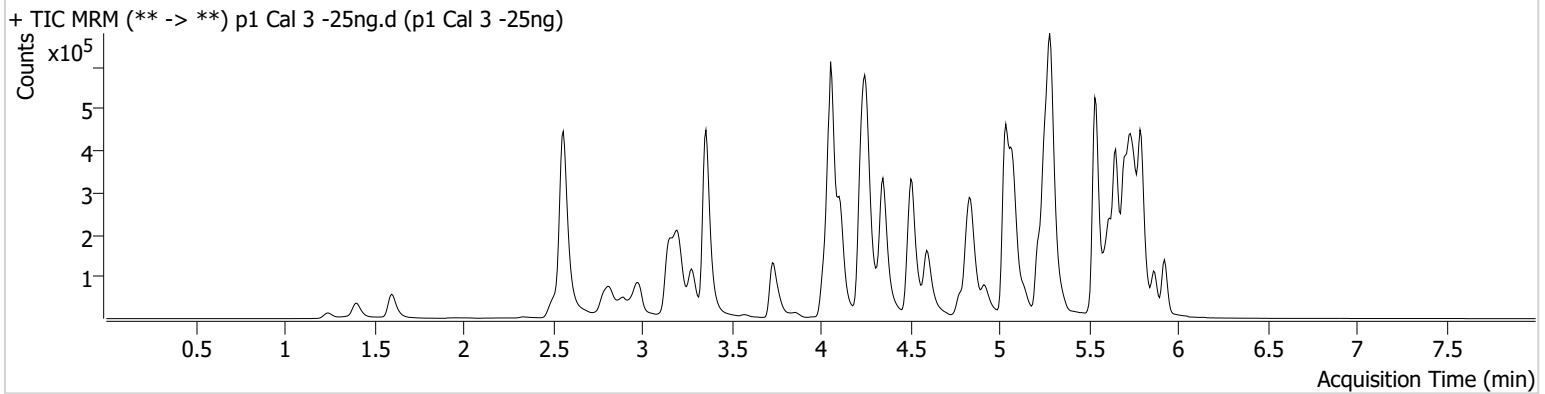
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**Calibration Last Update** 10/31/2023 9:47:04 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-C1  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 11:44:47 AM  
**Sample Info.**

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

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	1818	9940.53	87.1	564.64	14894	2.8419 ng/ml
7-aminoclonazepam	4.231	60835	2907.76	82.9	301.77	113900	26.4743 ng/ml
a-hydroxyalprazolam	5.676	25945	330.97	81.2	551.96	47259	25.6132 ng/ml
alpha-PHP	4.922	52821	705.07	259.2	6282.07	448294	20.1761 ng/ml
alpha-PVP	4.357	277178	1154.84	47.9	7550.67	448294	24.0946 ng/ml
Alprazolam	5.753	102123	467.89	123.5	412.89	172964	24.3589 ng/ml
Benzoylecgonine	3.857	8716	785.65	7.7	30175.66	10572	27.2640 ng/ml
Bromazolam	5.791	37689	19176.72	115.8	49741.36	92476	25.2733 ng/ml
Buprenorphine	5.763	4609	77.33	16.5	590.20	66909	2.5216 ng/ml
Bupropion	4.786	87609	2805.16	72.8	114.42	59618	40.6013 ng/ml
Carisoprodol	5.708	61127	22640.39	55.8	112.17	105052	24.5117 ng/ml
Citalopram	5.220	157454	2150.55	33.6	114616.43	272258	25.3483 ng/ml
Clonazepam	5.595	136002	1084.49	33.2	∞	58546	26.9982 ng/ml
Clonazolam	5.538	85411	1307.87	25.4	26089.79	58546	28.7667 ng/ml
Cocaine	4.258	183641	722.40	54.4	4027.03	567189	25.5641 ng/ml
Codeine	2.552	19011	248.35	127.2	329.22	44466	27.6880 ng/ml
Cyclobenzaprine	5.618	143954	275.25	8.6	286.21	263296	24.7320 ng/ml
Dextromethorphan	5.263	116874	38722.97	73.4	4766.31	211543	24.9627 ng/ml
Dextrorphan	4.111	58243	318.11	225.0	789.83	335866	23.7332 ng/ml
Diazepam	5.925	73018	475.01	88.4	2935.22	139871	25.9830 ng/ml
Dihydrocodeine	2.531	58398	6218.49	53.1	2048.39	120530	28.4759 ng/ml
Diphenhydramine	5.291	404420	1704.59	25.1	∞	899455	23.6629 ng/ml
Doxylamine	4.512	328004	2004.96	89.9	9088.03	592672	23.7804 ng/ml
Duloxetine	5.645	17974	2807.89	9.4	338.34	42986	24.6567 ng/ml
EDDP	5.256	204760	523.04	47.6	72687.16	501737	24.8576 ng/ml
Etizolam	5.792	60195	61252.84	27.0	401.06	58546	29.1498 ng/ml
Fentanyl	5.082	10962	218.20	81.7	311.65	350284	2.2120 ng/ml
Fluorofentanyl	5.136	51859	417.44	35.2	2174.66	4195	2.4497 ng/ml
Fluoxetine	5.705	161431	49831.80	7.2	267.08	227792	23.9897 ng/ml
Hydrocodone	2.992	31938	203.25	28.6	83.57	150079	12.8895 ng/ml
Hydromorphone	1.609	73341	249091.04	71.8	15939.82	89494	24.9625 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydroxyzine	5.695	101447	2579.81	77.4	829.13	211543	24.6265 ng/ml
Ketamine	4.030	154690	223.67	39.7	159.78	211318	26.6935 ng/ml
Lamotrigine	4.267	13336	366.60	90.6	7684.06	901427	25.8551 ng/ml
Lorazepam	5.731	119106	694.52	47.2	206.18	271014	26.9508 ng/ml
MDA	3.190	161651	690.75	29.7	537.28	133061	28.0050 ng/ml
MDMA	3.285	141347	72398.25	87.8	960.96	59305	22.6476 ng/ml
Meprobamate	4.882	17075	128.76	36.0	1773.51	31989	26.3442 ng/ml
Methadone	5.650	299170	7541.88	40.5	595.15	369004	23.7136 ng/ml
Methamphetamine	3.211	259394	910.45	37.4	417.95	512367	26.2869 ng/ml
Metoprolol	4.321	39874	369.15	100.5	1627.04	587007	25.2240 ng/ml
Mirtazapine	4.594	281038	2620.11	51.7	851.35	448294	20.9063 ng/ml
Mitragynine	5.217	45080	32009.90	33.0	258.62	369004	23.5968 ng/ml
Morphine	1.247	10426	2023.39	17.0	72.51	6011	26.0113 ng/ml
Norbuprenorphine	4.998	369	656.96	85.9	137.89	7659	2.5849 ng/ml
Nordiazepam	5.871	65117	656.91	69.7	2752.08	95386	24.6102 ng/ml
Norfentanyl	4.078	42629	829.05	34.4	73.66	608492	2.4655 ng/ml
Norhydrocodone	3.067	10556	56.02	34.8 High	115.81	22136	44.6251 ng/ml
Noroxycodone	2.896	63256	175.45	46.2	128.28	68467	24.7425 ng/ml
O-desmethyl-tramadol	3.358	382844	2071.50	4.9	640.58	914927	24.2718 ng/ml
o-desmethylvenlafaxine	4.056	412693	17025.92	17.3	771.35	176626	24.6450 ng/ml
Olanzapine	4.353	51220	978.20	54.5	210.24	35991	24.3733 ng/ml
Oxazepam	5.734	106224	953.62	85.7	99.29	271014	24.8635 ng/ml
Oxycodone	2.814	145543	535.64	28.1	1432.63	187302	25.7107 ng/ml
Oxymorphone	1.405	54197	369.52	43.2	316.53	63514	24.2444 ng/ml
Phentermine	3.767	57738	183.17	6.4	31.12	395708	28.1371 ng/ml
Promethazine	5.542	295957	1076.74	34.8	2497.66	552963	23.9335 ng/ml
Pseudoephedrine	2.569	426138	2722.61	15.4	7449.81	901427	23.4127 ng/ml
Quetiapine	5.531	199230	343.13	57.4	1857.99	101401	26.2293 ng/ml
Sertraline	5.767	65123	719.81	106.0	94951.35	125323	24.9445 ng/ml
Temazepam	5.795	177566	2215.09	31.8	179.31	404134	23.8668 ng/ml
Tramadol	4.240	323459	2892.12	3.4	92.06	587007	25.7360 ng/ml
Trazodone	5.074	324182	262795.76	53.1	23842.89	331834	24.5457 ng/ml
Venlafaxine	5.036	247032	53205.27	42.3	137.19	717271	23.8381 ng/ml
Xylazine	4.065	152600	2908.19	46.2	481.57	218428	24.2735 ng/ml
Zolpidem	4.845	341613	21924.00	28.9	487.63	566269	25.5756 ng/ml

TS



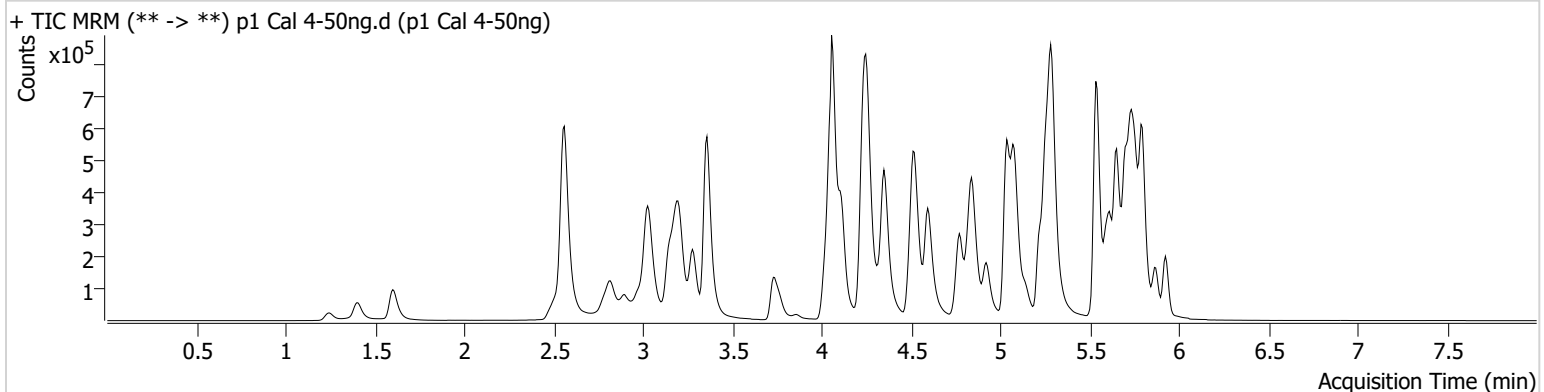
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Calibration Last Update** 10/31/2023 9:47:04 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** Tamara Salazar  
**Sample Position** P6-D1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 11:55:23 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	3.119	6062	17915.25	82.0	787.08	30694	4.5705 ng/ml
7-aminoclonazepam	4.231	120905	4088.52	84.6	1240.84	113090	53.5154 ng/ml
a-hydroxyalprazolam	5.676	59559	122.32	79.9	318.95	59061	46.2608 ng/ml
alpha-PHP	4.922	120859	1903.94	270.2	1377.46	423340	48.6197 ng/ml
alpha-PVP	4.357	524710	746.41	45.3	17498.56	423340	48.0519 ng/ml
Alprazolam	5.753	202514	1009.36	127.9	637.76	184638	44.6721 ng/ml
Amphetamine	3.029	301803	5494.51	256.9	1614.07	114832	41.1394 ng/ml
Benzoylcegonine	3.857	15358	1609.13	7.8	4304.88	11135	45.7864 ng/ml
Bromazolam	5.791	73994	109090.12	114.5	2131.09	94509	48.2549 ng/ml
Buprenorphine	5.763	8597	2014.21	14.4	977.70	60831	5.3052 ng/ml
Bupropion	4.772	393410	415510.87	71.6	170044.15	216470	50.2108 ng/ml
Carisoprodol	5.708	131512	94713.37	51.0	112.51	111354	49.8199 ng/ml
Citalopram	5.220	305680	601.34	34.6	147797.53	273442	48.5844 ng/ml
Clonazepam	5.595	312186	1426.30	32.1	145182.01	70251	52.0681 ng/ml
Clonazolam	5.538	184628	48519.92	25.8	1686.58	70251	52.6136 ng/ml
Cocaine	4.258	341686	10728.92	55.4	29147.30	543860	49.6505 ng/ml
Codeine	2.552	37778	5546.66	128.8	5847.08	46890	52.7004 ng/ml
Cyclobenzaprine	5.618	243618	50709.86	9.5	66.18	236861	45.7271 ng/ml
Dextromethorphan	5.263	208886	4772.99	80.8	507.86	189855	49.5708 ng/ml
Dextrorphan	4.111	117758	370.53	219.9	180678.03	334101	48.0824 ng/ml
Diazepam	5.925	138707	572.04	90.3	1779.79	140025	49.2817 ng/ml
Dihydrocodeine	2.531	118828	251.10	52.7	805.30	137730	50.8876 ng/ml
Diphenhydramine	5.291	773490	41250.26	23.8	5226.19	814070	49.8161 ng/ml
Doxylamine	4.518	713736	5625.67	97.7	24420.65	647376	46.7779 ng/ml
Duloxetine	5.645	28452	1453.02	10.9	590.08	33885	49.1483 ng/ml
EDDP	5.256	383317	3195.76	47.2	311131.44	477409	48.6950 ng/ml
Etizolam	5.792	112985	2611.10	27.9	38047.82	70251	45.4519 ng/ml
Fentanyl	5.082	21448	383.19	84.1	29855.29	323611	4.5754 ng/ml
Fluorofentanyl	5.136	91698	707.96	37.0	3553.18	3801	4.7568 ng/ml
Fluoxetine	5.705	264917	11443.29	7.0	15873.39	180588	49.3279 ng/ml
Hydrocodone	3.005	176100	∞	23.9	138.79	203609	54.3552 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.602	153010	1458920.93	71.2	2037.84	93767	49.5173 ng/ml
Hydroxyzine	5.695	185375	4276.41	71.2	122537.24	189855	49.8793 ng/ml
Ketamine	4.030	311366	624.20	40.8	1512.93	213306	54.0902 ng/ml
Lamotrigine	4.267	26179	22606.40	86.9	1903.12	900478	51.0049 ng/ml
Lorazepam	5.724	243055	11799.81	50.8	631.13	269231	56.6206 ng/ml
MDA	3.184	398331	8794.05	29.5	1293.71	174775	52.8693 ng/ml
MDMA	3.278	309825	32351.85	80.2	2683.20	57201	51.6292 ng/ml
Meprobamate	4.889	42341	1709.55	37.4	54.83	42032	49.2844 ng/ml
Methadone	5.650	533540	946.35	40.8	653.05	327069	47.0364 ng/ml
Methamphetamine	3.211	438441	765.12	39.9	597.90	602135	43.7227 ng/ml
Metoprolol	4.321	80359	656.36	99.6	12502.24	561212	53.8227 ng/ml
Mirtazapine	4.594	633783	3730.21	53.3	244620.86	423340	48.9190 ng/ml
Mitragynine	5.217	87694	52677.78	32.5	319.19	327069	51.1478 ng/ml
Morphine	1.247	22645	1606.71	16.2	2864.40	6640	51.3084 ng/ml
Norbuprenorphine	4.985	685	100.65	106.4	285.77	8483	4.7193 ng/ml
Nordiazepam	5.871	133590	4201.57	67.8	6480.27	94850	50.8477 ng/ml
Norfentanyl	4.078	86241	13347.28	31.8	245.07	642944	4.6758 ng/ml
Norhydrocodone	3.053	20706	144.69	27.9	70.38	40892	47.3434 ng/ml
Noroxycodone	2.896	133506	2553.31	45.4	848.42	70610	50.6887 ng/ml
O-desmethyl-tramadol	3.358	754000	24438.86	4.8	328.45	896960	48.4943 ng/ml
o-desmethylvenlafaxine	4.056	814720	39105.48	17.8	2044.56	179152	47.5082 ng/ml
Olanzapine	4.353	85355	4322.03	52.3	1068.93	30310	47.7480 ng/ml
Oxazepam	5.734	209847	104.35	86.6	4174.50	269231	49.3791 ng/ml
Oxycodone	2.814	299216	1809.19	28.6	791.30	197213	50.2302 ng/ml
Oxymorphone	1.405	104347	479.62	43.6	∞	58477	50.7238 ng/ml
Phentermine	3.767	109955	384.56	7.4	109.22	402884	53.0189 ng/ml
Promethazine	5.535	503248	594.12	32.9	25047.76	481365	46.2419 ng/ml
Pseudoephedrine	2.562	857602	14166.86	15.2	9607.17	900478	46.2917 ng/ml
Quetiapine	5.531	394277	299098.63	54.9	395727.85	98599	54.3107 ng/ml
Sertraline	5.767	93550	518.86	108.1	635.88	91094	48.9764 ng/ml
Temazepam	5.795	351150	14793.65	32.1	1638.16	392375	48.4226 ng/ml
Tramadol	4.240	597568	385.11	3.1	75.75	561212	49.9614 ng/ml
Trazodone	5.074	637366	271.27	51.4	182761.56	313712	51.1894 ng/ml
Venlafaxine	5.036	476208	1368.45	42.5	2427.56	678741	48.1944 ng/ml
Xylazine	4.065	292656	22452.62	42.4	1149.41	211167	47.7509 ng/ml
Zolpidem	4.845	693755	2821.74	29.1	240437.16	589089	50.1086 ng/ml



TS



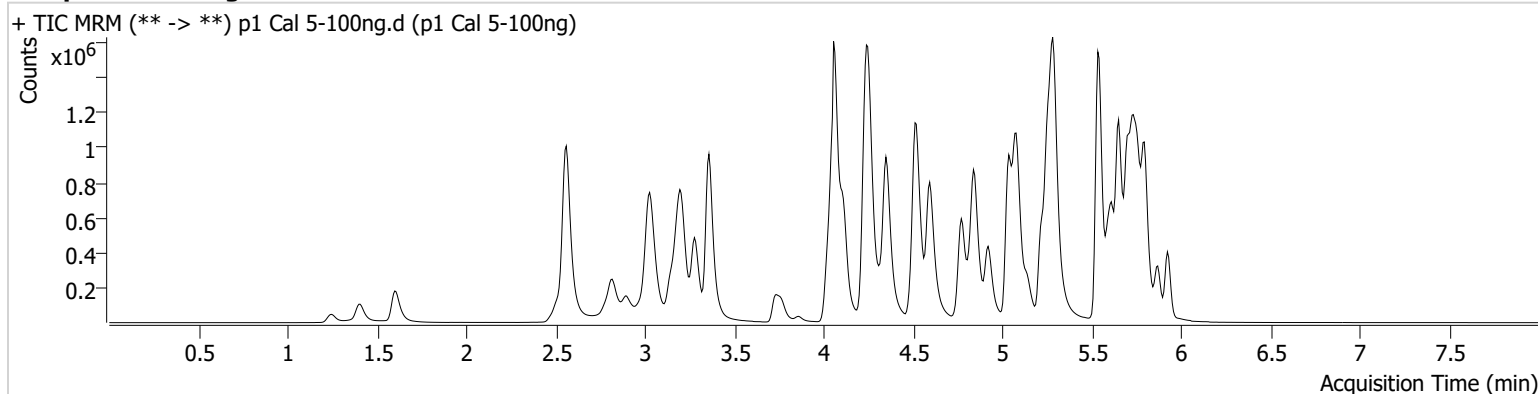
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Calibration Last Update** 10/31/2023 9:47:04 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** Tamara Salazar  
**Sample Position** P6-E1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 12:17:06 PM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.119	14454	2145.43	73.7	277.75	34824	9.5553 ng/ml
7-aminoclonazepam	4.231	248646	27181.45	81.8	3573.28	118217	105.7888 ng/ml
a-hydroxyalprazolam	5.676	110326	449.68	87.2	637.89	56922	88.0460 ng/ml
alpha-PHP	4.922	302349	3229.05	273.2	1335.93	505247	101.7077 ng/ml
alpha-PVP	4.350	1295538	53583.25	45.7	476.13	505247	99.1445 ng/ml
Alprazolam	5.753	460204	1114.60	122.9	535.75	184105	100.9465 ng/ml
Amphetamine	3.029	687026	1663.09	268.4	2286.19	132899	112.6568 ng/ml
Benzoylcegonine	3.857	36188	857.97	7.6	176.96	12203	98.7451 ng/ml
Bromazolam	5.791	155530	6131.40	117.0	231967.94	96872	98.6150 ng/ml
Buprenorphine	5.763	22017	2621.82	15.7	2010.60	82160	10.1707 ng/ml
Bupropion	4.772	944859	13917.33	72.4	740.56	261594	99.7801 ng/ml
Carisoprodol	5.708	243042	231313.55	52.9	1605.29	102474	100.1153 ng/ml
Citalopram	5.220	753227	2362.48	34.9	265863.80	333845	97.6054 ng/ml
Clonazepam	5.595	675793	1542.92	31.2	328089.45	76453	104.0236 ng/ml
Clonazolam	5.538	371001	274830.11	25.3	136905.47	76453	97.9826 ng/ml
Cocaine	4.258	787430	15880.46	56.3	47681.35	632236	98.4741 ng/ml
Codeine	2.539	82305	262.96	121.2	5284.27	49629	109.1086 ng/ml
Cyclobenzaprine	5.618	648270	368.04	9.0	77.64	305204	93.4679 ng/ml
Dextromethorphan	5.263	538480	711860.58	77.1	184.15	240665	100.6609 ng/ml
Dextrorphan	4.111	280777	11854.78	224.3	689.18	396361	96.4847 ng/ml
Diazepam	5.925	343568	1826.78	88.0	2956.72	167778	101.8484 ng/ml
Dihydrocodeine	2.524	262525	635.59	54.3	1064.65	150218	103.3162 ng/ml
Diphenhydramine	5.291	1878013	43921.04	24.9	503.00	988198	99.4701 ng/ml
Doxylamine	4.518	1729772	1045.16	96.2	118702.89	744688	97.8895 ng/ml
Duloxetine	5.645	73957	2726.47	10.8	788.52	44134	97.7245 ng/ml
EDDP	5.256	949769	707.11	48.5	11035.37	589232	97.5380 ng/ml
Etizolam	5.792	255659	1093.95	28.5	123485.94	76453	94.2234 ng/ml
Fentanyl	5.082	56265	5592.13	81.5	58574.84	405227	9.4783 ng/ml
Fluorofentanyl	5.136	250537	550.95	34.6	5209.92	4874	10.1074 ng/ml
Fluoxetine	5.705	669033	21451.25	7.2	5388.73	229249	97.8263 ng/ml
Hydrocodone	2.998	361907	∞	26.1	∞	221403	103.3008 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.602	331626	4705.15	71.5	11108.88	101410	99.0425 ng/ml
Hydroxyzine	5.695	449754	2690.66	76.6	12962.89	240665	95.2364 ng/ml
Ketamine	4.030	705651	513.01	40.4	485.52	244727	107.6915 ng/ml
Lamotrigine	4.267	57152	264.93	89.3	2711.02	954934	105.2194 ng/ml
Lorazepam	5.724	464322	14727.64	49.5	1589.78	280983	104.6338 ng/ml
MDA	3.184	873361	4451.89	28.7	2258.99	193743	104.9401 ng/ml
MDMA	3.278	721837	11951.73	80.8	3173.44	68197	101.0137 ng/ml
Meprobamate	4.882	87414	2132.54	35.0	105.81	42398	100.3595 ng/ml
Methadone	5.650	1418943	79451.00	39.6	18038.01	419701	96.7663 ng/ml
Methamphetamine	3.211	1018768	5164.53	39.4	2001.29	697634	101.2596 ng/ml
Metoprolol	4.321	172662	468440.93	102.8	867.40	644346	101.2377 ng/ml
Mirtazapine	4.594	1488422	30101.37	53.1	8120.12	505247	95.5586 ng/ml
Mitragynine	5.217	217281	305100.16	31.5	1742.11	419701	98.2605 ng/ml
Morphine	1.247	48663	6512.20	17.2	424.85	7200	101.8475 ng/ml
Norbuprenorphine	4.998	1735	849.22	109.8	1728.98	10736	10.0051 ng/ml
Nordiazepam	5.871	310516	588.28	69.5	19509.46	109691	102.2686 ng/ml
Norfentanyl	4.078	185254	1208.92	33.0	1267.60	668190	9.6126 ng/ml
Norhydrocodone	3.053	39665	205.03	31.0	71.19	37722	97.5825 ng/ml
Noroxycodone	2.896	288813	680.33	46.8	550.49	75867	102.1085 ng/ml
O-desmethyl-tramadol	3.358	1703548	92543.25	4.9	139725.26	998305	98.1715 ng/ml
o-desmethylvenlafaxine	4.056	1820724	180834.04	17.4	2193.82	191364	98.8653 ng/ml
Olanzapine	4.353	193477	920.30	55.0	1483.51	33969	96.0695 ng/ml
Oxazepam	5.734	441953	233.78	83.4	124.58	280983	99.5799 ng/ml
Oxycodone	2.814	689786	1539.53	28.4	2765.21	225576	101.2678 ng/ml
Oxymorphone	1.405	228889	537.93	44.7	∞	63422	102.6132 ng/ml
Phentermine	3.767	250567	156.85	7.2	1246.30	460185	106.2218 ng/ml
Promethazine	5.535	1351254	356096.62	33.8	853.59	611517	97.1433 ng/ml
Pseudoephedrine	2.562	1885203	14005.75	15.1	28445.95	954934	95.0305 ng/ml
Quetiapine	5.531	886011	2227525.43	56.9	949994.50	113806	106.5867 ng/ml
Sertraline	5.767	242513	2609.95	107.6	884.00	119002	96.8648 ng/ml
Temazepam	5.795	756711	7296.87	31.6	1235.08	406898	100.4258 ng/ml
Tramadol	4.240	1408984	153.80	3.4	387.56	644346	102.8638 ng/ml
Trazodone	5.074	1549672	210686.25	52.9	614978.60	376188	103.9265 ng/ml
Venlafaxine	5.036	1150375	23839.47	41.7	692.53	800495	98.3441 ng/ml
Xylazine	4.065	677809	555816.34	45.7	4998.54	237976	97.7044 ng/ml
Zolpidem	4.845	1605796	1232056.79	28.7	358771.42	676920	101.1276 ng/ml

TS



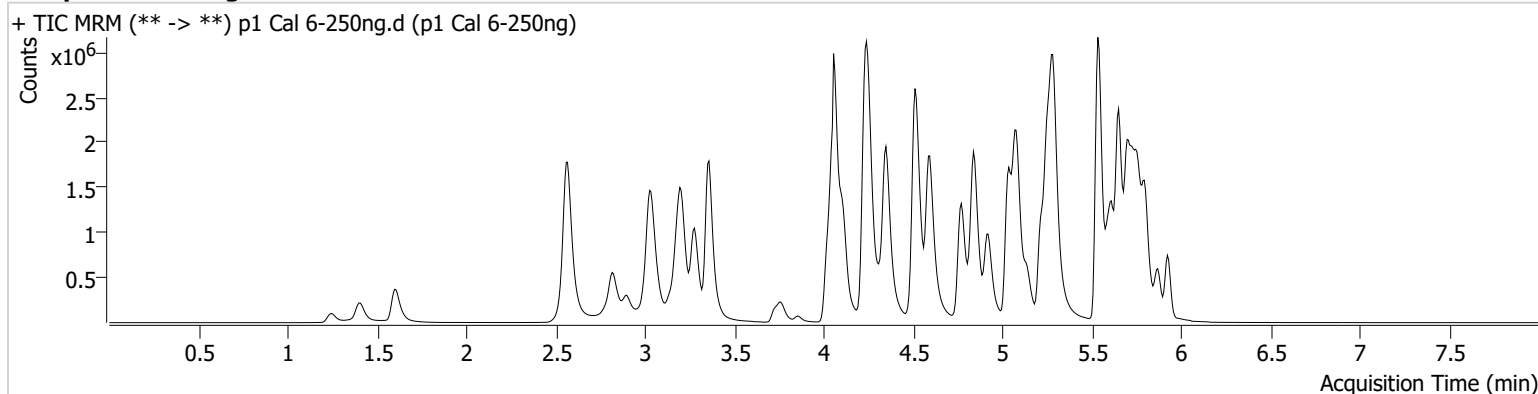
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Calibration Last Update** 10/31/2023 9:47:04 AM

**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** Tamara Salazar  
**Sample Position** P6-F1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 12:27:44 PM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.119	34950	1633.19	73.7	35778.06	33174	24.1838 ng/ml
7-aminoclonazepam	4.231	481480	7918.38	82.5	3259.88	97772	248.3875 ng/ml
a-hydroxyalprazolam	5.676	205432	241.02	87.2	579.87	37235	248.8921 ng/ml
alpha-PHP	4.922	730635	5704.13	266.6	2323.58	464864	266.8269 ng/ml
alpha-PVP	4.350	3016194	46138.19	47.8	27972.74	464864	250.4952 ng/ml
Alprazolam	5.753	951764	972.28	121.7	∞	150304	254.6860 ng/ml
Amphetamine	3.036	1397169	3493.54	263.5	3321.29	126046	279.1182 ng/ml
Benzoylcegonine	3.857	82229	261.29	8.3	4912.32	11236	244.0797 ng/ml
Bromazolam	5.791	300336	303497.14	119.3	389657.01	71770	256.5152 ng/ml
Buprenorphine	5.763	49578	18431.64	15.5	4719.12	75468	25.1147 ng/ml
Bupropion	4.772	2267175	177236.28	72.6	783.51	249327	251.1855 ng/ml
Carisoprodol	5.708	404379	160093.44	52.6	4117.76	67808	251.8336 ng/ml
Citalopram	5.220	1737067	1000.05	34.5	746.39	299853	249.9174 ng/ml
Clonazepam	5.595	1338566	1260.43	31.6	27158.02	62828	251.3754 ng/ml
Clonazolam	5.538	648781	401800.47	27.5	5611.91	62828	209.6171 ng/ml
Cocaine	4.251	1810169	24117.90	56.0	26469.72	577840	247.7584 ng/ml
Codeine	2.552	167873	712.98	119.4	6738.34	43958	252.0281 ng/ml
Cyclobenzaprine	5.618	1568206	42057.44	8.4	100.15	277984	246.7442 ng/ml
Dextromethorphan	5.263	1180310	44069.29	75.2	413.12	216037	245.5893 ng/ml
Dextrorphan	4.111	640947	18379.83	222.0	59434.17	352859	247.1695 ng/ml
Diazepam	5.925	739720	∞	87.8	1549.40	145531	252.7696 ng/ml
Dihydrocodeine	2.531	592998	312.39	54.8	442.36	143885	243.9606 ng/ml
Diphenhydramine	5.291	4253256	2377.62	25.3	1042.30	874999	254.1569 ng/ml
Doxylamine	4.512	4319661	1498.07	93.7	144715.36	729818	248.5051 ng/ml
Duloxetine	5.645	170316	5735.91	10.9	348.81	38872	254.9305 ng/ml
EDDP	5.256	2299150	16357.51	47.1	449.44	560247	247.9945 ng/ml
Etizolam	5.792	534097	5961.48	28.2	203492.23	62828	239.1305 ng/ml
Fentanyl	5.082	134025	949.59	80.2	119418.58	369108	24.6292 ng/ml
Fluorofentanyl	5.136	627560	8523.64	34.9	12082.99	4565	26.9906 ng/ml
Fluoxetine	5.705	1504478	65605.22	7.0	121373.33	206442	243.8258 ng/ml
Hydrocodone	2.998	825683	298.61	26.5	128.07	204068	256.6479 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.602	767258	2890569.66	72.5	4240.39	92559	250.7674 ng/ml
Hydroxyzine	5.695	1027424	1851.84	81.6	1201.94	216037	241.9710 ng/ml
Ketamine	4.023	1593643	62714.35	39.7	∞	234943	254.5103 ng/ml
Lamotrigine	4.261	121245	2041.35	93.1	2353.50	809757	263.5461 ng/ml
Lorazepam	5.724	645042	1190.27	52.6	2112.83	177695	231.2799 ng/ml
MDA	3.184	1669462	12257.57	27.1	1944.47	162061	240.2996 ng/ml
MDMA	3.278	1658256	10205.91	79.9	7141.75	61321	258.2704 ng/ml
Meprobamate	4.882	183465	406.50	33.4	348.32	35211	252.8805 ng/ml
Methadone	5.650	3403184	66701.65	39.2	807.88	380429	254.9411 ng/ml
Methamphetamine	3.205	2383318	1764.68	38.7	12357.52	665484	267.9359 ng/ml
Metoprolol	4.314	376349	501218.68	102.8	8094.48	574010	248.5567 ng/ml
Mirtazapine	4.594	3568550	8469.14	51.5	14720.27	464864	247.8431 ng/ml
Mitragynine	5.217	524746	307.79	31.9	294968.77	380429	260.9105 ng/ml
Morphine	1.247	114486	776.97	16.6	168.99	6826	253.0164 ng/ml
Norbuprenorphine	4.991	3910	4757.84	108.7	1904.09	11120	22.4384 ng/ml
Nordiazepam	5.871	653524	7613.42	70.1	17322.78	92535	255.2467 ng/ml
Norfentanyl	4.071	378476	13169.85	34.0	2803.35	536311	24.3924 ng/ml
Norhydrocodone	3.053	86070	148.75	30.7	152.61	28061	283.3467 ng/ml
Noroxycodone	2.896	624342	443.02	46.4	994.31	66447	252.0972 ng/ml
O-desmethyl-tramadol	3.358	4092108	117628.71	5.0	447.31	943198	249.1899 ng/ml
o-desmethylvenlafaxine	4.056	3852813	61237.42	18.2	11893.06	161511	247.1460 ng/ml
Olanzapine	4.346	478696	3072.25	56.3	1893.60	32118	250.5986 ng/ml
Oxazepam	5.734	704909	120.00	84.6	238.17	177695	251.0512 ng/ml
Oxycodone	2.814	1679473	1191.41	28.4	5686.17	219342	253.6171 ng/ml
Oxymorphone	1.405	556934	484.52	45.5	∞	62809	252.1478 ng/ml
Phentermine	3.767	560108	429.44	6.5	971.04	434456	252.1178 ng/ml
Promethazine	5.535	3425108	117147.54	33.7	2085.75	603075	248.8456 ng/ml
Pseudoephedrine	2.569	4224194	111091.19	14.8	38854.55	809757	249.6941 ng/ml
Quetiapine	5.531	1897813	82180.13	59.2	967939.52	109742	237.8565 ng/ml
Sertraline	5.767	591613	73064.13	102.2	1000.78	106667	263.0640 ng/ml
Temazepam	5.801	1324011	8604.41	31.7	2067.64	293762	243.1260 ng/ml
Tramadol	4.233	3137571	∞	3.7	480.54	574010	257.4993 ng/ml
Trazodone	5.074	3473550	145102.00	55.1	1994.05	351503	249.4935 ng/ml
Venlafaxine	5.036	2775931	1728.60	40.7	14136.38	759386	249.6112 ng/ml
Xylazine	4.058	1532241	158126.75	47.6	2763.00	207801	252.2929 ng/ml
Zolpidem	4.838	3946807	13985.35	28.4	1337839.90	669888	251.4484 ng/ml

TS



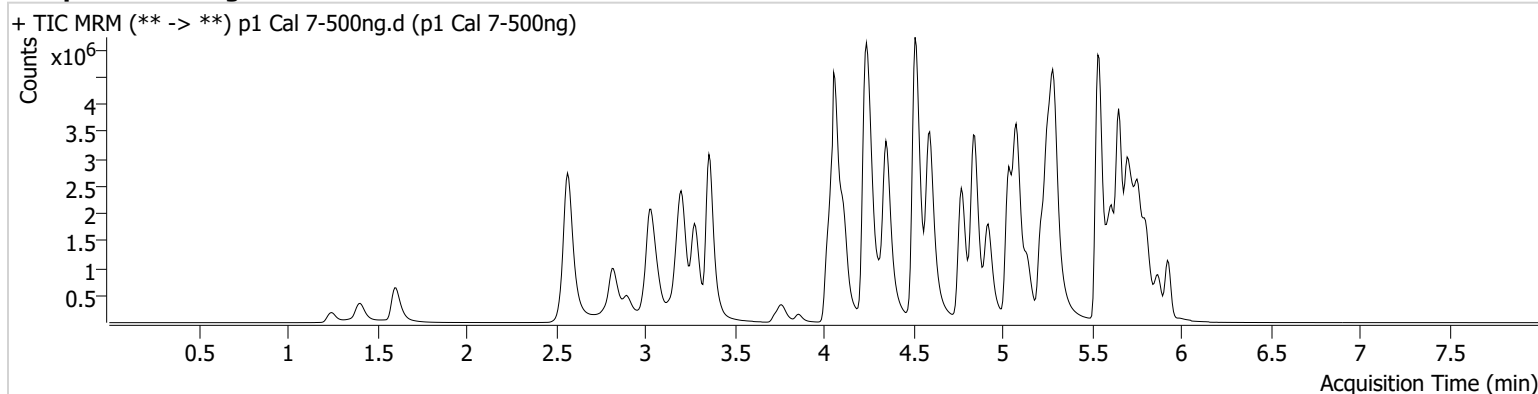
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2023\AM 27 28\102523 AM 27 28 TS CS\QuantResults\AM 28\_TS.batch.bin  
**Calibration Last Update** 10/31/2023 9:47:04 AM

**Instrument** Falco (069901) **Data File** p1 Cal 7-500ng.d  
**Type** Cal **Sample** p1 Cal 7-500ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-G1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 12:38:20 PM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.119	69416	441.43	73.4	1006.58	32945	48.3206 ng/ml
7-aminoclonazepam	4.231	713425	12948.79	83.8	8086.64	87876	409.8276 ng/ml
a-hydroxyalprazolam	5.676	304630	∞	81.1	314.58	25703	533.5956 ng/ml
alpha-PHP	4.922	1365251	26750.57	267.3	14922.86	422282	548.6661 ng/ml
alpha-PVP	4.350	5599502	94180.27	47.6	2814.37	422282	511.6736 ng/ml
Alprazolam	5.753	1544936	∞	116.6	1727.00	115153	538.8565 ng/ml
Amphetamine	3.036	2093998	8108.92	263.6	8345.73	117880	467.0856 ng/ml
Benzoylcegonine	3.857	185129	374.77	7.6	5434.59	12209	505.9981 ng/ml
Bromazolam	5.791	441480	339703.05	122.2	976324.31	51932	520.7736 ng/ml
Buprenorphine	5.763	86182	9878.41	14.2	17944.13	65686	50.2826 ng/ml
Bupropion	4.772	4400750	109172.78	72.1	612.36	240716	505.0012 ng/ml
Carisoprodol	5.708	495518	137.19	54.3	4412.85	41596	503.1174 ng/ml
Citalopram	5.220	2952477	∞	34.8	77798.90	247328	514.5229 ng/ml
Clonazepam	5.595	1938933	2820.53	31.2	2860.96	46798	489.2832 ng/ml
Clonazolam	5.545	863812	13545.34	27.8	259236.60	46798	375.4706 ng/ml
Cocaine	4.258	3219264	175469.57	56.5	3285613.61	508579	500.6769 ng/ml
Codeine	2.559	267258	470.45	113.2	7104.71	38553	457.9791 ng/ml
Cyclobenzaprine	5.618	2742654	81758.37	7.9	1602.49	225620	530.6398 ng/ml
Dextromethorphan	5.263	2030427	751.13	74.0	240.39	181120	503.7725 ng/ml
Dextrorphan	4.111	1167458	5023.28	222.8	234156.28	302608	524.8010 ng/ml
Diazepam	5.925	1249774	11304.44	87.3	13764.26	125349	495.7923 ng/ml
Dihydrocodeine	2.538	1034761	563.44	57.5	15354.04	141008	434.5678 ng/ml
Diphenhydramine	5.291	7397774	1965.98	25.7	62098.51	758845	509.5545 ng/ml
Doxylamine	4.512	8955913	216334.73	92.2	169040.01	709049	529.6346 ng/ml
Duloxetine	5.645	250324	6346.68	10.6	438.36	28587	509.1308 ng/ml
EDDP	5.256	4157635	76314.66	46.9	23584.80	494763	507.5847 ng/ml
Etizolam	5.798	898763	83363.22	27.3	542.10	46798	539.9155 ng/ml
Fentanyl	5.089	250758	18360.60	78.5	94351.37	324090	52.3710 ng/ml
Fluorofentanyl	5.136	1260449	29326.92	35.0	9149.77	5082	48.6664 ng/ml
Fluoxetine	5.705	2276785	62889.00	6.8	142925.78	148757	511.7384 ng/ml
Hydrocodone	2.998	1499789	490.03	27.4	489.13	193439	492.3872 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.609	1471876	4847260.11	72.3	5682555.84	88596	502.3901 ng/ml
Hydroxyzine	5.695	1792358	2511.30	85.5	44577.87	181120	503.2294 ng/ml
Ketamine	4.023	2860648	67427.29	38.9	1027.89	229306	468.8148 ng/ml
Lamotrigine	4.267	186928	932.28	95.6	130403.65	669337	491.7389 ng/ml
Lorazepam	5.724	620454	1086628.75	49.8	1741.92	89209	444.2172 ng/ml
MDA	3.184	2410406	25388.41	27.4	4385.64	133247	422.2613 ng/ml
MDMA	3.278	3015209	46857.62	81.6	4528.34	58153	495.3140 ng/ml
Meprobamate	4.882	287830	285.87	32.3	154.78	28157	495.6585 ng/ml
Methadone	5.650	6228826	51437.66	37.9	121058.52	336904	526.1874 ng/ml
Methamphetamine	3.211	4536761	2636.89	37.8	1971.15	662554	524.5931 ng/ml
Metoprolol	4.314	631257	600704.10	102.0	5023.04	531217	450.9711 ng/ml
Mirtazapine	4.594	6935101	268734.74	49.6	3813.95	422282	529.3990 ng/ml
Mitragynine	5.217	896149	109026.90	32.3	368774.06	336904	502.6444 ng/ml
Morphine	1.247	229464	6418.00	16.1	708.60	6869	504.1128 ng/ml
Norbuprenorphine	4.991	7906	4758.09	100.8	7530.99	9787	52.2827 ng/ml
Nordiazepam	5.871	1018795	52936.35	69.8	16743.66	74135	496.7397 ng/ml
Norfentanyl	4.078	574812	22097.66	34.7	1477.54	378936	52.3754 ng/ml
Norhydrocodone	3.053	183707	163.97	33.0	295.27	26203	646.7949 ng/ml
Noroxycodone	2.903	1001694	1561.02	49.2	6119.66	54892	489.6588 ng/ml
O-desmethyl-tramadol	3.358	7978356	2537.14	5.1	865.17	887532	516.0340 ng/ml
o-desmethylvenlafaxine	4.056	6524322	88814.58	17.8	2611.82	128636	524.9278 ng/ml
Olanzapine	4.346	912369	2700.44	58.5	3423.00	28781	532.4430 ng/ml
Oxazepam	5.734	721721	5071.62	83.0	10435.50	89209	511.9245 ng/ml
Oxycodone	2.814	3250615	7792.70	28.4	4111.46	214094	502.9397 ng/ml
Oxymorphone	1.405	1009863	∞	43.7	∞	56358	509.5657 ng/ml
Phentermine	3.767	978840	1225.20	6.6	1188.05	407309	470.3509 ng/ml
Promethazine	5.535	6265365	130816.45	32.6	4777.21	522619	524.6842 ng/ml
Pseudoephedrine	2.569	7459893	75594.90	14.7	649.21	669337	532.4846 ng/ml
Quetiapine	5.531	3129524	41196.62	61.6	66594.95	100657	428.3458 ng/ml
Sertraline	5.767	866252	356841.85	104.4	5076342.49	81815	501.8867 ng/ml
Temazepam	5.801	1731164	11836.04	31.5	2248.64	178107	524.1044 ng/ml
Tramadol	4.233	5665997	∞	3.8	1847.71	531217	502.7004 ng/ml
Trazodone	5.074	6098576	118276.35	59.0	3556.33	316608	486.4444 ng/ml
Venlafaxine	5.036	5273862	40788.23	39.8	31930.99	697978	515.5692 ng/ml
Xylazine	4.065	2826420	1370.04	49.4	4145.87	184354	524.1388 ng/ml
Zolpidem	4.845	7772945	57501.55	27.9	90154.25	661919	501.3599 ng/ml

# AM #28 Multi-Drug Quant. Results

TS



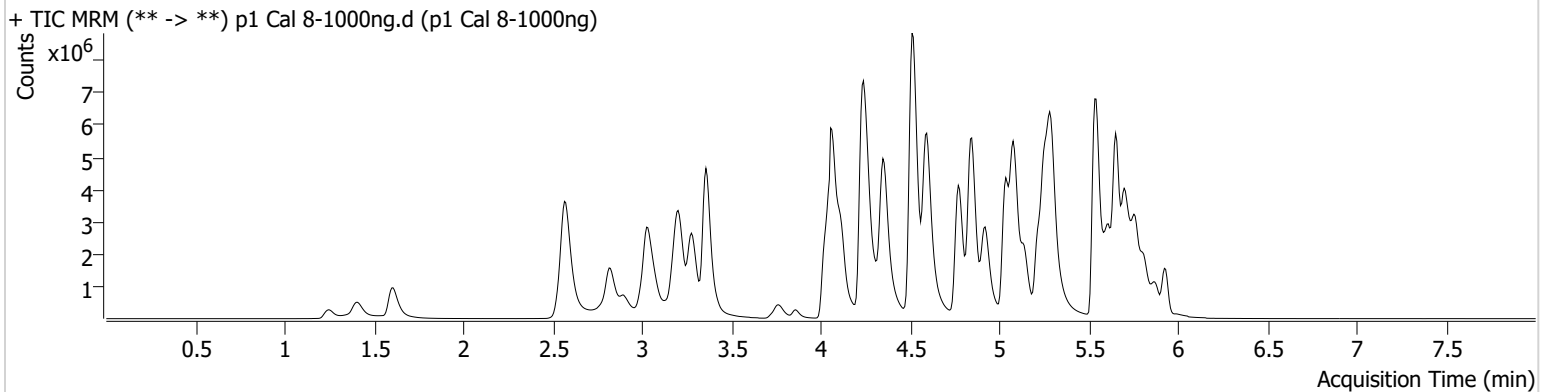
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**Calibration Last Update** 10/31/2023 9:47:04 AM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-H1  
**Injection Volume** 2  
**Acq. Date-Time** 10/25/2023 12:48:57 PM  
**Sample Info.**

**Data File** p1 Cal 8-1000ng.d  
**Sample** p1 Cal 8-1000ng  
**Operator** Tamara Salazar

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.119	123464	747.03	70.1	944.08	27349	103.4775 ng/ml
7-aminoclonazepam	4.224	783368	7473.73	80.6	7181.62	65699	602.1534 ng/ml
a-hydroxyalprazolam	5.676	339487	188.70	77.7	381.22	13294	1148.6469 ng/ml
alpha-PHP	4.922	2291746	3573.98	266.1	166917.51	335316	1159.6644 ng/ml
alpha-PVP	4.350	9116788	3960.87	48.0	43281.03	335316	1048.8806 ng/ml
Alprazolam	5.753	2124803	∞	115.1	∞	81485	1046.6913 ng/ml
Amphetamine	3.036	2927802	45946.79	264.3	7560.48	98803	801.0983 ng/ml
Benzoylcegonine	3.857	335732	14450.87	7.9	1247.35	11195	1001.0051 ng/ml
Bromazolam	5.791	552540	411874.42	125.2	706854.48	34676	975.8482 ng/ml
Buprenorphine	5.763	129195	90206.94	13.9	1879.25	53885	91.9883 ng/ml
Bupropion	4.772	7709842	325578.60	70.6	2785.92	212745	1001.0424 ng/ml
Carisoprodol	5.715	506615	148116.49	54.5	2828.48	20959	1020.9377 ng/ml
Citalopram	5.220	4318472	2906.37	34.8	724.59	181616	1024.4260 ng/ml
Clonazepam	5.595	2197729	111076.71	31.5	1105516.55	29899	868.3901 ng/ml
Clonazolam	5.552	930843	355660.45	28.2	119185.15	29899	633.9606 ng/ml
Cocaine	4.258	5100003	5621.59	56.0	1278.94	398191	1013.1150 ng/ml
Codeine	2.559	388390	4305.66	111.2	∞	30297	847.4076 ng/ml
Cyclobenzaprine	5.618	4106362	42471.86	7.5	229.11	159137	1125.3825 ng/ml
Dextromethorphan	5.263	2884610	664.28	74.1	84145.24	127619	1015.6024 ng/ml
Dextrorphan	4.111	1841726	22070.48	226.9	192391.25	229573	1091.1248 ng/ml
Diazepam	5.932	1875424	5275.21	87.4	5832.77	96969	961.7164 ng/ml
Dihydrocodeine	2.531	1649437	1801.53	57.6	27206.60	128905	757.9269 ng/ml
Diphenhydramine	5.291	11205483	992.59	26.2	∞	573742	1020.6684 ng/ml
Doxylamine	4.512	16173495	16290.71	90.9	113136.90	623836	1086.4851 ng/ml
Duloxetine	5.645	292783	7738.25	10.9	1239.37	17037	998.8168 ng/ml
EDDP	5.256	7120435	3550.34	45.9	29989.13	408764	1051.9538 ng/ml
Etizolam	5.798	1349111	11937.90	27.1	314899.15	29899	1268.1592 ng/ml
Fentanyl	5.089	427413	332936.56	74.9	536122.22	241076	119.8780 ng/ml
Fluorofentanyl	5.136	2353614	69524.37	35.1	28696.34	4380	105.4215 ng/ml
Fluoxetine	5.705	2881756	1826.68	6.9	220.67	88689	1086.0539 ng/ml
Hydrocodone	2.998	2283252	822.44	30.4	278.34	169142	857.7555 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.609	2414388	7656892.41	72.4	2592837.75	71834	1016.2077 ng/ml
Hydroxyzine	5.695	2723886	161703.59	86.0	93891.96	127619	1085.0870 ng/ml
Ketamine	4.023	4389670	264573.42	38.6	34895.86	195828	843.0706 ng/ml
Lamotrigine	4.274	235095	25320.77	97.5	79635.03	480060	862.4464 ng/ml
Lorazepam	5.731	539400	30631.69	49.2	2861.38	38243	902.0771 ng/ml
MDA	3.177	2890471	1641.39	26.9	11070.35	98526	685.0376 ng/ml
MDMA	3.278	4716790	32254.37	81.5	32610.06	44782	1006.3224 ng/ml
Meprobamate	4.889	373500	76175.59	33.4	11171.96	18958	954.8003 ng/ml
Methadone	5.650	10055352	1086.98	37.9	73016.53	268630	1064.6410 ng/ml
Methamphetamine	3.205	7373247	60514.10	36.5	14475.34	607327	940.5435 ng/ml
Metoprolol	4.314	860520	663881.21	102.7	92853.92	451625	723.4541 ng/ml
Mirtazapine	4.594	12014183	128668.15	48.4	41054.92	335316	1154.1187 ng/ml
Mitragynine	5.217	1406572	3708.82	32.8	1084232.08	268630	988.9308 ng/ml
Morphine	1.247	344041	∞	16.8	1200.11	5601	927.1069 ng/ml
Norbuprenorphine	4.991	14566	13089.33	103.3	18965.66	8789	107.8498 ng/ml
Nordiazepam	5.878	1336663	817.25	69.3	1127.58	50672	953.5615 ng/ml
Norfentanyl	4.078	704789	75800.48	35.4	640.89	218898	111.1146 ng/ml
Norhydrocodone	3.053	299796	1760.86	35.1 High	180.67	19507	1417.0467 ng/ml
Noroxycodone	2.903	1483068	1896.58	47.1	794.01	33940	1172.5781 ng/ml
O-desmethyl-tramadol	3.358	13406890	282359.09	5.2	65933.78	734284	1047.8522 ng/ml
o-desmethylvenlafaxine	4.056	8794768	99184.08	18.1	4255.79	85807	1060.2895 ng/ml
Olanzapine	4.353	1551511	22581.27	60.6	3757.89	24968	1043.2449 ng/ml
Oxazepam	5.734	601505	26116.15	84.9	244.14	38243	995.1877 ng/ml
Oxycodone	2.814	5562039	6448.70	28.5	3518.47	194204	948.7312 ng/ml
Oxymorphone	1.405	1642593	∞	46.1	∞	47868	975.8602 ng/ml
Phentermine	3.767	1481953	∞	6.3	1232.95	347988	833.8455 ng/ml
Promethazine	5.542	10243907	282019.82	32.6	2759.73	405673	1104.5734 ng/ml
Pseudoephedrine	2.576	11324243	152606.26	14.5	72459.51	480060	1126.0606 ng/ml
Quetiapine	5.531	4572753	143074.50	59.9	224.46	88770	710.2867 ng/ml
Sertraline	5.767	1111772	21568.54	103.2	11696.53	52814	997.5226 ng/ml
Temazepam	5.808	1943628	61803.29	31.8	2203.28	98975	1058.6913 ng/ml
Tramadol	4.233	8768830	∞	3.9	∞	451625	915.3041 ng/ml
Trazodone	5.074	9631451	125082.56	61.1	168068.10	244011	996.9433 ng/ml
Venlafaxine	5.036	8958758	67314.71	37.6	35523.71	568831	1074.2602 ng/ml
Xylazine	4.065	4662716	36962.26	50.1	16835.45	151869	1049.2078 ng/ml
Zolpidem	4.845	13512979	5467.20	27.0	4960.41	596087	968.0326 ng/ml