

Worklist: 6651

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-4981	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4982	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-5033	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-5072	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-5156	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-5235	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3573	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3618	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3649	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3713	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3759	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3776	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3800	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3801	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3835	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3836	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3840	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3847	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3859	1	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: 01/11/2024

Plate lot#: 231215

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: 06/15/2024

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Urine Lot:

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: An error in the instrument stopped the run overnight (01/11/2024) resulting in a depletion in the mobile phase. The mobile phase was re-made and the run was restarted on 01/12/2024.

Celena Shrum included a case sample with this run (M2023-5306-1). Tamara Salazar acted as the primary analyst and performed steps 4-17. I, Celena Shrum approve of all steps utilized in this method.

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Curves Limited:

- 7-aminoclonazepam 5-500 -- calibrator 8 dropped due to accuracy
- Amphetamine 5-500 -- calibrator 8 dropped due to accuracy
- Clonazepam 5-500 -- calibrator 8 dropped due to accuracy
- Dihydrocodeine 5-500 -- calibrator 8 dropped due to accuracy
- Etizolam 5-250 -- calibrators 7 and 8 dropped due to accuracy
- Fentanyl 0.5-50 -- calibrator 8 dropped due to accuracy
- Hydroxyzine 5-500 -- calibrator 8 dropped due to accuracy
- Ketamine 5-500 -- calibrator 8 dropped due to accuracy
- Lamotrigine 5-500 -- calibrator 8 dropped due to accuracy
- Meprobamate 5-250 -- calibrator 7 and 8 dropped due to accuracy
- Methamphetamine 5-500 -- calibrator 8 dropped due to accuracy
- Metoprolol 5-500 -- calibrator 8 dropped due to accuracy
- Norbuprenorphine 1 -100 -- calibrator 1 dropped due to peak shape
- Norfentanyl 0.5-50 -- calibrator 8 dropped due to accuracy
- Norhydrocodone 5-250 -- calibrator 7 and 8 dropped due to accuracy
- Phentermine 5-500 -- calibrator 8 dropped due to accuracy
- Quetiapine 5-500 -- calibrator 8 dropped due to accuracy
- Trazodone 5-500 -- calibrator 8 dropped due to accuracy

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2023-5033-1	P2023-3759-1	P2023-3859-1							IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2023-5072-2	P2023-3776-1	M2023-5306-1_CS							IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	M2023-5156-2	P2023-3800-1								IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	M2023-5235-3	P2023-3801-1							IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	P2023-3573-1	P2023-3835-1							IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Neg Blood	P2023-3618-1	P2023-3836-1							IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2023-4981-1	P2023-3649-1	P2023-3840-1							IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2023-4982-1	P2023-3713-1	P2023-3847-1							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

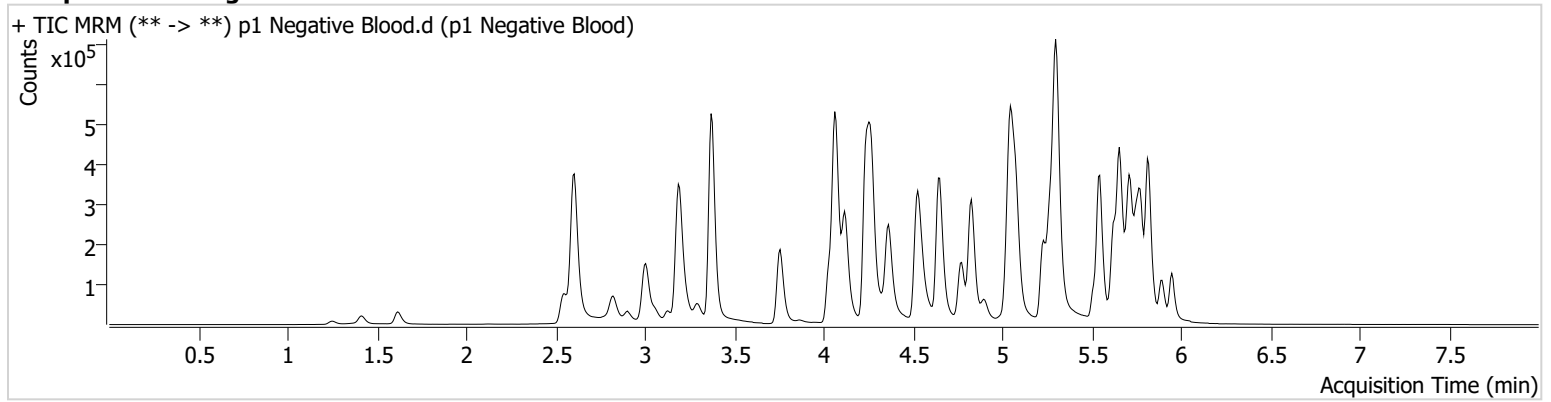
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**Calibration Last Update** 1/16/2024 1:28:37 PM

**Instrument** Falco (069901)  
**Type** Sample  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-F2  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 4:46:56 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

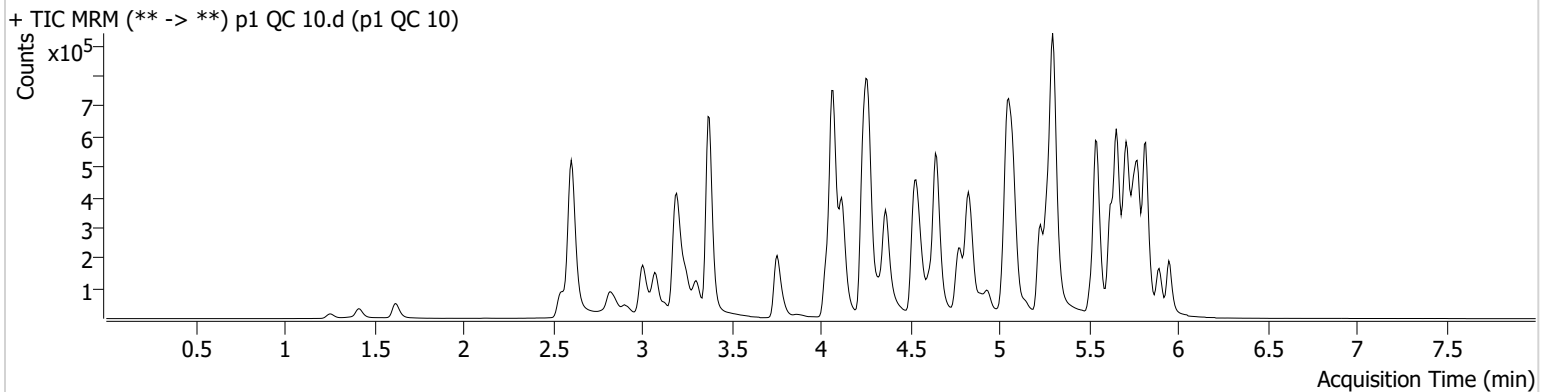
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**Calibration Last Update** 1/16/2024 1:40:43 PM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-A2  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 3:43:09 PM  
**Sample Info.**

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

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	2411	2566.61	72.5	915.46	71638	0.9712 ng/ml
7-aminoclonazepam	4.264	44583	108196.34	77.7	1415.60	225350	10.0917 ng/ml
9-hydroxyrisperidone	4.644	7292	288.94	3390.3	806.06	1099984	9.6121 ng/ml
a-hydroxyalprazolam	5.698	15670	230.36	70.4	188.79	73013	9.6916 ng/ml
alpha-PHP	4.936	40210	540.46	272.0	704.31	651876	9.2748 ng/ml
alpha-PVP	4.369	148166	194.05	47.5	295.05	651876	9.3621 ng/ml
Alprazolam	5.775	72533	696.68	112.5	235.25	354490	9.4055 ng/ml
Amphetamine	3.080	230476	3780.38	46.8	4680.69	301025	9.8033 ng/ml
Benzoylcegonine	3.896	3581	263.94	39.4	6003.47	13456	9.5824 ng/ml
Bromazolam	5.814	35939	31735.24	117.0	59850.59	171065	9.5207 ng/ml
Buprenorphine	5.690	3304	6546.15	14.4	555.00	133181	0.9463 ng/ml
Bupropion	4.785	149419	184.03	67.8	951.37	451645	9.2593 ng/ml
Carisoprodol	5.730	73880	123966.84	60.3	171.20	335131	9.3043 ng/ml
Citalopram	5.227	117008	1483.19	33.6	110.17	580740	9.2028 ng/ml
Clonazepam	5.618	74389	1620.48	33.3	276.17	110086	10.3167 ng/ml
Clonazolam	5.554	65350	63438.82	29.8	13423.73	110086	10.0001 ng/ml
Cocaine	4.264	113116	267.39	48.6	2328.55	935048	9.8041 ng/ml
Codeine	2.596	11495	1334.74	106.2	257.02	68091	9.8324 ng/ml
Cyclobenzaprine	5.627	104343	3634.96	9.8	169.25	545988	9.4972 ng/ml
Dextromethorphan	5.284	69342	277.89	89.9	3713.42	387328	8.7402 ng/ml
Dextrorphan	4.123	48054	4331.70	212.0	425.24	639335	9.5671 ng/ml
Diazepam	5.954	57277	161.61	86.4	128.40	262306	10.2911 ng/ml
Dihydrocodeine	2.575	32650	2442.85	62.8	51.89	205267	9.9152 ng/ml
Diphenhydramine	5.305	275642	258.51	27.9	2425.58	1732842	8.1146 ng/ml
Doxylamine	4.545	265687	3660.82	100.9	1283.56	1280548	9.9248 ng/ml
Duloxetine	5.653	12146	211.77	13.0	1186.93	78543	8.8771 ng/ml
EDDP	5.270	84999	3264.72	43.5	92.47	514675	8.8279 ng/ml
Etizolam	5.814	42868	61601.16	24.1	13687.71	110086	9.7075 ng/ml
Fentanyl	5.090	10270	553.99	86.1	256.12	624698	0.9496 ng/ml
Fluorofentanyl	5.144	29744	895.18	39.7	458.32	5093	1.0251 ng/ml
Fluoxetine	5.707	143685	4741.58	6.9	982.52	554880	9.1086 ng/ml

CS TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	42541	58.95	31.7	76.64	241231	9.8407 ng/ml
Hydromorphone	1.629	30214	279.14	76.4	116.12	108302	9.3384 ng/ml
Hydroxyzine	5.697	111876	4170.59	74.6	3388.29	387328	9.1626 ng/ml
Ketamine	4.048	100383	150848.44	35.2	279.37	426839	9.6517 ng/ml
Lamotrigine	4.280	9370	71.64	86.9	7987.30	1282910	94.9379 ng/ml
Lorazepam	5.747	59123	815.23	56.1	117.85	475724	9.4214 ng/ml
MDA	3.215	134100	303.76	33.1	656.14	422068	10.8593 ng/ml
MDMA	3.309	96616	1518.45	88.7	880.52	114133	9.2990 ng/ml
Meprobamate	4.923	26025	2192.22	32.6	55.22	116312	10.3158 ng/ml
Methadone	5.659	202954	296.36	50.6	798.82	846047	9.1161 ng/ml
Methamphetamine	3.250	196993	679.13	38.9	124.39	794695	9.5427 ng/ml
Metoprolol	4.326	28926	1042.60	104.2	386.21	1117183	10.0048 ng/ml
Mirtazapine	4.614	207388	1605.38	52.9	1517.66	651876	9.9936 ng/ml
Mitragynine	5.218	41823	384.91	34.3	12459.63	846047	9.2346 ng/ml
Morphine	1.261	6368	443.44	35.5	107.77	9489	9.7955 ng/ml
Norbuprenorphine	4.992	352	502.85	104.5	276.80	22345	0.7211 ng/ml
Nordiazepam	5.894	60448	298.19	55.0	1708.72	202989	10.1915 ng/ml
Norfentanyl	4.083	22235	698.52	38.0	73.69	1074322	0.9809 ng/ml
Norhydrocodone	3.077	7863	56.30	30.4	35.63	59092	9.4452 ng/ml
Noroxycodone	2.927	26708	360.38	48.6	361.11	90513	10.0297 ng/ml
O-desmethyl-tramadol	3.376	235732	5605.69	5.4	265.43	1508678	9.3010 ng/ml
o-desmethylvenlafaxine	4.068	328522	14451.73	15.4	597.81	29102	9.3115 ng/ml
Olanzapine	4.407	36233	39.63	49.7	871.51	92479	10.0678 ng/ml
Oxazepam	5.756	86747	1171.80	72.6	507.49	475724	10.0563 ng/ml
Oxycodone	2.852	69798	495.40	25.5	345.97	276393	9.7396 ng/ml
Oxymorphone	1.419	20170	696.83	48.1	90.10	80350	9.0445 ng/ml
Phentermine	3.792	50734	73.07	7.9	234.81	583860	9.9440 ng/ml
Promethazine	5.544	181492	309.77	30.8	378.25	986687	9.6381 ng/ml
Pseudoephedrine	2.613	282986	2275.24	16.9	1524.83	1282910	9.6886 ng/ml
Quetiapine	5.526	155035	5861.24	50.7	74.09	221883	9.7015 ng/ml
Sertraline	5.776	43531	339.75	98.6	132.24	210176	9.3031 ng/ml
Temazepam	5.824	157302	227.94	28.5	103.68	737483	9.9811 ng/ml
Tramadol	4.245	207908	60.84	3.7	28.02	1117183	9.0432 ng/ml
Trazodone	5.068	201717	1565.70	55.7	7058.94	606366	10.2628 ng/ml
Venlafaxine	5.044	195410	8509.59	38.0	1703.32	1201973	9.5834 ng/ml
Xylazine	4.090	90371	3419.21	39.1	468.17	438724	9.6499 ng/ml
Zolpidem	4.845	210672	1528.79	28.1	324.33	895614	9.6082 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

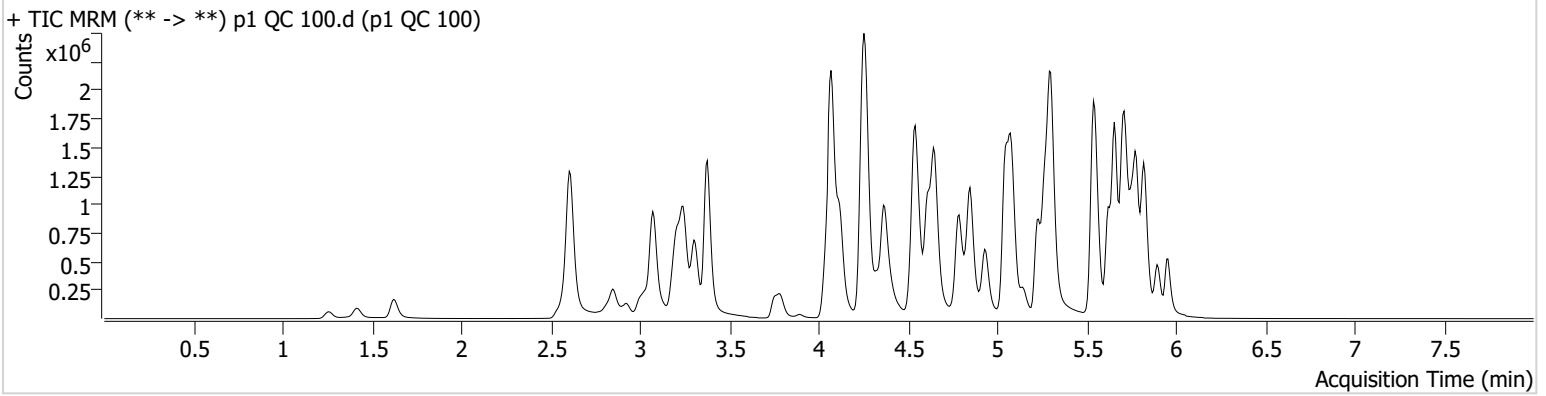
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**Calibration Last Update** 1/16/2024 1:40:43 PM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-B2  
**Injection Volume** 2  
**Acq. Date-Time** 1/13/2024 12:13:17 AM  
**Sample Info.**

**Data File** p1 QC 100.d  
**Sample** p1 QC 100  
**Operator** Tamara Salazar

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## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.136	20736	19896.49	79.2	21356.19	62271	9.4044 ng/ml
7-aminoclonazepam	4.264	337534	5480.30	75.8	8356.89	167057	103.5355 ng/ml
9-hydroxyrisperidone	4.644	62706	1908.11	3521.0	2768793.91	939133	95.8289 ng/ml
a-hydroxyalprazolam	5.698	118081	119.94	69.3	180.74	54193	99.5954 ng/ml
alpha-PHP	4.936	354025	4926.75	266.3	18846.69	566018	90.8189 ng/ml
alpha-PVP	4.369	1322331	24364.11	48.6	23976.33	566018	91.8703 ng/ml
Alprazolam	5.775	575630	512.70	116.1	465.36	261603	93.6193 ng/ml
Amphetamine	3.074	1835645	2038.76	45.8	22063.57	270907	95.0951 ng/ml
Benzoylcegonine	3.889	30380	27540.96	37.8	201.14	11192	96.0767 ng/ml
Bromazolam	5.814	262953	300814.67	119.9	285660.78	124069	98.1808 ng/ml
Buprenorphine	5.696	27915	26984.86	17.0	3351.70	111921	9.8400 ng/ml
Bupropion	4.785	1325885	570.69	67.8	220.95	381266	92.8621 ng/ml
Carisoprodol	5.730	569505	85861.21	60.7	7765.46	242666	94.5285 ng/ml
Citalopram	5.227	986860	3721.33	34.8	15078.40	470196	87.8221 ng/ml
Clonazepam	5.611	536647	26052.20	34.6	13768.85	83036	102.5047 ng/ml
Clonazolam	5.554	495371	706712.71	33.6	202126.73	83036	101.7012 ng/ml
Cocaine	4.264	977165	349.30	50.7	3138919.32	789028	99.6685 ng/ml
Codeine	2.589	91397	79.26	110.0	1204.97	54066	104.9370 ng/ml
Cyclobenzaprine	5.627	908153	558.18	9.3	66285.43	454413	90.1467 ng/ml
Dextromethorphan	5.277	604922	443085.44	83.5	905.02	314988	92.5207 ng/ml
Dextrorphan	4.116	416323	10966.75	212.0	1555.97	534525	95.4726 ng/ml
Diazepam	5.954	458007	1956.27	89.8	1528.93	212450	101.0211 ng/ml
Dihydrocodeine	2.568	288327	236.37	62.0	324.56	181434	100.6815 ng/ml
Diphenhydramine	5.298	2436782	201943.23	28.8	136.13	1425456	81.2908 ng/ml
Doxylamine	4.538	2412984	100603.81	101.1	602.24	1129390	96.1813 ng/ml
Duloxetine	5.647	105000	2948.53	11.6	922.55	63859	92.1823 ng/ml
EDDP	5.263	1121155	372.27	41.2	135.22	615301	91.6845 ng/ml
Etizolam	5.814	313560	9995.01	26.0	138033.00	83036	85.1884 ng/ml
Fentanyl	5.090	90626	99.42	78.7	2646.92	516796	9.0788 ng/ml
Fluorofentanyl	5.144	253645	7369.85	40.7	3219.12	4844	8.7405 ng/ml
Fluoxetine	5.707	1196548	23323.49	7.1	5266.07	433515	90.8890 ng/ml



CS TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	370709	1741.46	33.8	479.98	212877	97.6400 ng/ml
Hydromorphone	1.622	273670	2968.70	76.4	746775.51	94712	95.1328 ng/ml
Hydroxyzine	5.697	995689	32294.82	76.3	17966.83	314988	95.3850 ng/ml
Ketamine	4.041	860905	69221.25	36.4	4724.80	370494	98.0747 ng/ml
Lamotrigine	4.280	80041	1238.63	83.7	78474.84	1067271	979.8324 ng/ml
Lorazepam	5.747	336993	3855.30	52.5	416.41	296984	95.7445 ng/ml
MDA	3.208	1031590	8867.37	32.5	1926.99	355296	106.9061 ng/ml
MDMA	3.309	851593	8996.20	91.1	4388.49	95502	94.2676 ng/ml
Meprobamate	4.923	201241	339743.71	34.0	494.54	104251	95.8282 ng/ml
Methadone	5.652	1777840	1901.72	50.5	2753.94	705336	89.8303 ng/ml
Methamphetamine	3.243	1771778	46467.22	39.1	816.09	710428	99.7827 ng/ml
Metoprolol	4.326	249037	5045.15	106.0	179806.03	1000458	96.7488 ng/ml
Mirtazapine	4.607	1831359	3919.37	52.6	30038.14	566018	95.7914 ng/ml
Mitragynine	5.218	383496	753810.46	33.5	949.37	705336	94.9369 ng/ml
Morphine	1.261	57067	179.23	34.9	8066.84	8313	102.6716 ng/ml
Norbuprenorphine	4.992	3225	3455.50	111.6	757.42	20368	9.2348 ng/ml
Nordiazepam	5.894	463020	311.09	57.9	1188.95	157351	101.1278 ng/ml
Norfentanyl	4.083	190181	272.54	36.6	278.85	869853	9.6432 ng/ml
Norhydrocodone	3.077	73061	127.04	36.8	128.07	50252	91.4735 ng/ml
Noroxycodone	2.920	226235	1270.85	48.6	5632.35	77904	99.3401 ng/ml
O-desmethyl-tramadol	3.376	2127266	3370.96	5.6	428.10	1312023	91.3295 ng/ml
o-desmethylvenlafaxine	4.079	2801434	50.15	15.4	2316.57	22308	95.0712 ng/ml
Olanzapine	4.400	342043	238662.09	57.2	327.41	87208	100.2477 ng/ml
Oxazepam	5.756	526325	8403.09	72.4	3424.88	296984	102.3440 ng/ml
Oxycodone	2.845	597463	9951.68	29.2	1577.96	242310	93.9488 ng/ml
Oxymorphone	1.413	172597	396.07	50.0	∞	68379	90.0853 ng/ml
Phentermine	3.785	433119	169.81	7.3	120.11	504414	102.7730 ng/ml
Promethazine	5.544	1597863	∞	31.7	5261.76	826078	92.7121 ng/ml
Pseudoephedrine	2.613	2471193	775.74	16.7	22264.47	1067271	93.6611 ng/ml
Quetiapine	5.526	1290808	17164.25	55.8	702947.15	185022	100.0975 ng/ml
Sertraline	5.776	357835	8124.66	97.8	13908.46	161890	94.6820 ng/ml
Temazepam	5.824	1105044	18732.06	27.8	335.49	502838	96.4860 ng/ml
Tramadol	4.245	2033176	164.37	3.5	144.61	1000458	97.8161 ng/ml
Trazodone	5.075	1681766	1471.02	58.9	706653.55	504521	107.5749 ng/ml
Venlafaxine	5.044	1757955	4008870.96	36.7	13373.83	1016583	94.1662 ng/ml
Xylazine	4.083	766669	924441.83	44.4	2786.17	369950	93.3087 ng/ml
Zolpidem	4.845	1918033	1867191.87	28.1	738787.16	790505	96.4984 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

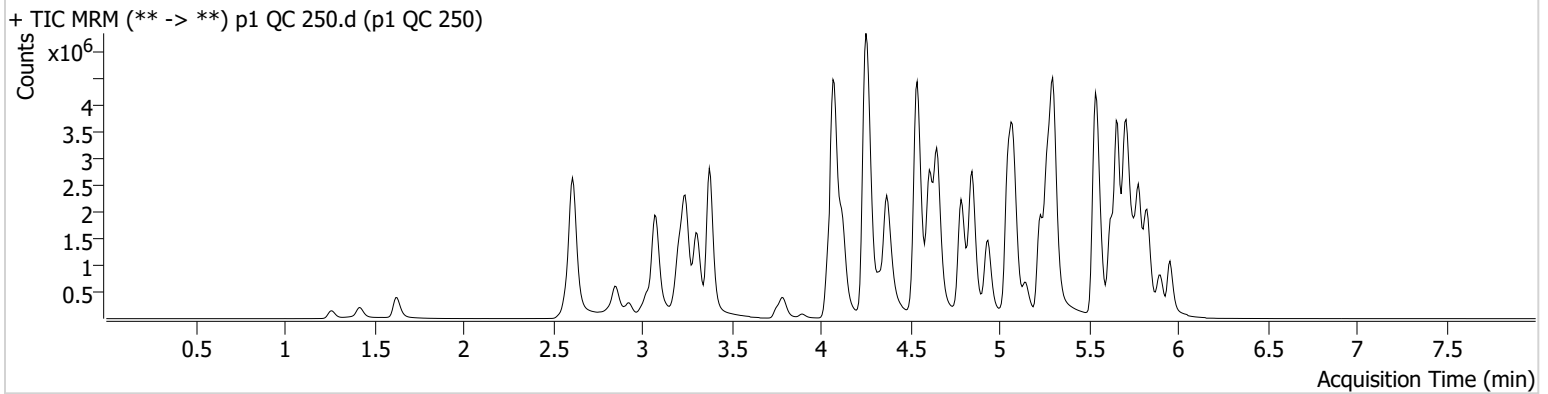
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**Calibration Last Update** 1/16/2024 1:40:43 PM

**Instrument** Falco (069901)  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-C2  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 4:04:24 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	3.136	53884	41559.19	75.5	69467.34	61848	24.5677 ng/ml
7-aminoclonazepam	4.264	640777	17039.23	71.9	9829.96	134346	244.4797 ng/ml
9-hydroxyrisperidone	4.651	162102	637.69	3625.7	17463.97	968411	240.0742 ng/ml
a-hydroxyalprazolam	5.698	186444	944.55	74.1	123.81	37936	224.8117 ng/ml
alpha-PHP	4.936	942372	1601.85	263.4	869.78	563513	242.2329 ng/ml
alpha-PVP	4.369	3359028	310.33	50.2	31768.51	563513	233.6805 ng/ml
Alprazolam	5.775	1333136	1595.30	110.4	2374.50	222299	253.8231 ng/ml
Amphetamine	3.074	4152740	563.19	43.9	65809.61	259303	226.2072 ng/ml
Benzoylcegonine	3.896	83740	173.71	36.4	18783.93	12703	233.0815 ng/ml
Bromazolam	5.814	526440	666732.36	125.7	3863.75	101568	240.4471 ng/ml
Buprenorphine	5.690	66810	109661.06	15.6	5059.97	110202	23.9692 ng/ml
Bupropion	4.785	3439536	232754.69	68.5	69017.22	406483	225.2795 ng/ml
Carisoprodol	5.730	1082380	8539944.69	62.4	4545.00	184845	235.1547 ng/ml
Citalopram	5.227	2527896	211.35	33.8	50652.31	445841	235.7968 ng/ml
Clonazepam	5.618	930528	11658.46	35.4	650.38	63706	232.2363 ng/ml
Clonazolam	5.561	928213	537971.26	34.2	372652.54	63706	248.5811 ng/ml
Cocaine	4.264	2358834	31547.54	51.4	1252.71	764427	248.2254 ng/ml
Codeine	2.596	209289	193.58	101.7	8021.65	53462	243.9507 ng/ml
Cyclobenzaprine	5.627	2396208	524.27	8.8	242147.55	445962	240.7270 ng/ml
Dextromethorphan	5.277	1504058	21027.95	79.3	14137.09	311985	232.0622 ng/ml
Dextrorphan	4.123	987952	912.56	216.1	1768.59	511330	236.2580 ng/ml
Diazepam	5.954	1111008	∞	88.9	2512.74	208061	250.1235 ng/ml
Dihydrocodeine	2.575	702208	32438.77	63.4	616.05	186970	238.1912 ng/ml
Diphenhydramine	5.305	6051855	499647.75	28.6	545.02	1412017	202.8960 ng/ml
Doxylamine	4.538	6768680	1589.01	95.9	175272.09	1178355	257.4945 ng/ml
Duloxetine	5.653	230838	4817.61	11.9	21091.25	52113	247.9485 ng/ml
EDDP	5.270	3201606	68413.05	42.3	29347.89	708501	226.5333 ng/ml
Etizolam	5.814	714759	356908.85	27.2	281238.74	63706	251.0809 ng/ml
Fentanyl	5.090	252421	3542.92	79.2	15837.74	521565	24.8645 ng/ml
Fluorofentanyl	5.144	717825	959.02	40.7	6012.26	5217	22.8750 ng/ml
Fluoxetine	5.714	2589682	∞	7.3	284976.55	377422	224.9924 ng/ml

CS TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	923640	∞	34.7	762.15	215293	240.6224 ng/ml
Hydromorphone	1.629	686955	2178.72	76.4	2457627.57	95037	237.7269 ng/ml
Hydroxyzine	5.697	2505390	2751119.04	81.6	2009209.50	311985	241.5638 ng/ml
Ketamine	4.041	2111157	43640.16	35.8	391.11	369328	241.7089 ng/ml
Lamotrigine	4.280	181157	942.91	83.8	1676.20	1007499	2349.9801 ng/ml
Lorazepam	5.747	463305	15013.71	49.4	3599.34	176589	222.9444 ng/ml
MDA	3.215	2109882	53763.39	33.0	40326.51	305859	255.2906 ng/ml
MDMA	3.309	2127748	53959.76	91.1	6824.67	94791	236.7127 ng/ml
Meprobamate	4.923	381723	287.75	34.2	10439.27	92500	205.8838 ng/ml
Methadone	5.659	4714279	317332.84	48.2	6345.97	705072	237.2563 ng/ml
Methamphetamine	3.243	4423836	1244.74	38.4	524.75	734322	241.6238 ng/ml
Metoprolol	4.326	597938	1086.74	107.0	1553.92	941667	246.8989 ng/ml
Mirtazapine	4.607	4714416	2966.08	50.7	6624.76	563513	246.6783 ng/ml
Mitragynine	5.218	1007210	1364154.10	32.7	321721.72	705072	248.3556 ng/ml
Morphine	1.261	139512	1546.23	33.1	403.33	8831	236.6457 ng/ml
Norbuprenorphine	4.999	8563	7250.99	110.2	8698.89	21104	24.0080 ng/ml
Nordiazepam	5.900	939557	823.13	57.5	341.35	129937	248.5704 ng/ml
Norfentanyl	4.090	413379	255.10	38.0	8941.42	713620	25.4254 ng/ml
Norhydrocodone	3.077	199625	337.90	36.8	127.34	48299	257.8641 ng/ml
Noroxycodone	2.927	555646	13925.56	48.6	979.35	75812	250.8269 ng/ml
O-desmethyl-tramadol	3.376	5580092	208403.21	5.7	1463.17	1301625	240.5738 ng/ml
o-desmethylvenlafaxine	4.085	6687959	319739.09	15.4	8518.93	20796	242.1559 ng/ml
Olanzapine	4.393	924070	2537.05	56.5	1800.86	91329	258.5143 ng/ml
Oxazepam	5.756	743836	14146.88	73.3	6183.14	176589	243.9785 ng/ml
Oxycodone	2.852	1570332	1341.87	29.5	706.88	251578	237.6311 ng/ml
Oxymorphone	1.419	434680	∞	47.4	1164.62	69105	224.3506 ng/ml
Phentermine	3.792	979360	659.99	7.2	75.92	504771	232.8639 ng/ml
Promethazine	5.544	4239333	851.84	32.4	1162.11	821851	245.7287 ng/ml
Pseudoephedrine	2.613	6105042	745.64	16.4	53794.22	1007499	243.7470 ng/ml
Quetiapine	5.526	3245338	64689.53	58.1	604189.13	198449	235.1200 ng/ml
Sertraline	5.776	763139	12677.96	97.8	951.03	135919	239.7754 ng/ml
Temazepam	5.831	1887814	∞	28.5	315.60	312151	264.3302 ng/ml
Tramadol	4.245	5068371	294.82	3.3	153.98	941667	258.9073 ng/ml
Trazodone	5.075	3950639	64538.61	62.9	111028.56	547874	233.3187 ng/ml
Venlafaxine	5.044	4483752	291109.43	36.1	21735.45	1016827	238.8682 ng/ml
Xylazine	4.083	1917834	2564.79	47.7	21860.24	361227	238.3985 ng/ml
Zolpidem	4.845	5178767	4857.21	27.5	2282824.65	856719	239.9945 ng/ml

CS TS



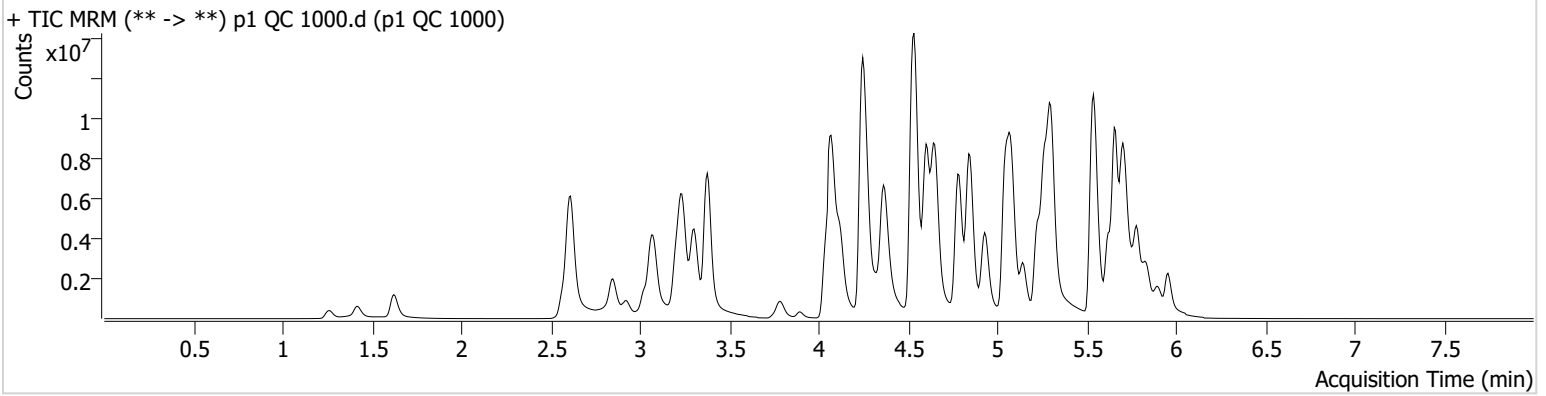
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin  
**Calibration Last Update** 1/16/2024 1:40:43 PM

**Instrument** Falco (069901) **Data File** p1 QC 1000.d  
**Type** QC **Sample** p1 QC 1000  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-D2 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 4:25:41 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	3.136	195808	462.22	72.5	343641.05	54876	100.5471 ng/ml
7-aminoclonazepam	4.271	812654	8826.87	76.9	14371.32	54667	762.0898 ng/ml
9-hydroxyrisperidone	4.644	551690	∞	3719.2	512254.24	790027	1001.1993 ng/ml
a-hydroxyalprazolam	5.698	251332	155.92	67.5	456.12	11128	1033.5735 ng/ml
alpha-PHP	4.929	3060890	11525.26	270.3	2113.86	455218	972.8983 ng/ml
alpha-PVP	4.363	10740022	666580.63	51.1	71367.54	455218	923.5195 ng/ml
Alprazolam	5.775	2838420	∞	104.7	382.88	117294	1021.8809 ng/ml
Amphetamine	3.074	9875657	138764.27	43.3	250271.39	203830	686.4986 ng/ml
Benzoylcegonine	3.889	359419	750.23	37.3	880.17	13101	969.4164 ng/ml
Bromazolam	5.821	961320	3127.69	133.6	1269671.14	50315	886.9639 ng/ml
Buprenorphine	5.690	140549	89967.79	14.3	28013.71	66417	83.7563 ng/ml
Bupropion	4.779	12374943	1540054.90	67.1	538932.77	364919	901.4277 ng/ml
Carisoprodol	5.730	1910466	1839568.58	61.7	76857.57	75516	1014.4102 ng/ml
Citalopram	5.227	6445452	80844.89	34.0	289542.85	273748	976.4834 ng/ml
Clonazepam	5.604	1151330	11269.04	35.6	115617.08	27608	663.8669 ng/ml
Clonazolam	5.568	1434840	2421508.16	36.2	619208.97	27608	887.0088 ng/ml
Cocaine	4.264	6622253	355.11	50.6	7118173.20	524924	1014.5975 ng/ml
Codeine	2.582	523674	308.15	98.0	20745.57	39696	823.7916 ng/ml
Cyclobenzaprine	5.620	7162972	2140.53	8.0	665.56	301444	1061.2776 ng/ml
Dextromethorphan	5.277	3592974	237.10	77.5	5678.82	189065	914.4040 ng/ml
Dextrorphan	4.116	2863931	2872.13	224.1	1503023.54	361751	966.8509 ng/ml
Diazepam	5.954	2994116	92.38	85.0	186.79	142029	987.2720 ng/ml
Dihydrocodeine	2.561	2072664	37550.59	65.7	23040.66	186800	704.0454 ng/ml
Diphenhydramine	5.298	18114297	511.19	29.7	628.21	992890	861.6887 ng/ml
Doxylamine	4.533	24576900	629756.39	94.4	263265.78	1097032	1002.3867 ng/ml
Duloxetine	5.647	379695	5231.60	12.3	909.85	25175	843.6815 ng/ml
EDDP	5.263	12198541	2283.23	39.9	37876.30	609101	1002.0213 ng/ml
Etizolam	5.814	1849025	4118.82	27.6	419.31	27608	1493.6531 ng/ml
Fentanyl	5.090	964320	2737.14	75.5	432580.22	392886	125.6582 ng/ml
Fluorofentanyl	5.137	3120005	263507.12	40.4	1635682.27	5419	95.5397 ng/ml
Fluoxetine	5.714	6025417	155418.06	6.8	201213.68	185048	1065.3025 ng/ml

CS TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.023	3238120	∞	37.7	∞	197618	919.1778 ng/ml
Hydromorphone	1.622	2363558	7402459.99	77.7	6662496.48	83136	934.5177 ng/ml
Hydroxyzine	5.690	7480195	7897371.73	85.3	3674880.03	189065	1188.1903 ng/ml
Ketamine	4.035	5857175	17300352.10	33.7	401.79	323884	765.3460 ng/ml
Lamotrigine	4.287	354211	1506.67	84.1	292.66	681845	6790.3881 ng/ml
Lorazepam	5.747	641095	17469.47	51.7	6439.90	50103	1091.9375 ng/ml
MDA	3.201	4863435	2288.42	30.3	54404.66	212940	847.4224 ng/ml
MDMA	3.302	6335285	6387.13	91.3	4887.06	69867	955.0647 ng/ml
Meprobamate	4.909	748484	11233.30	33.0	359975.33	70113	534.0187 ng/ml
Methadone	5.659	14797532	351744.10	49.5	∞	532815	983.5065 ng/ml
Methamphetamine	3.236	13720176	96421.43	36.4	54570.67	726448	758.3893 ng/ml
Metoprolol	4.326	1539048	1061670.07	107.5	2882645.34	814782	734.5940 ng/ml
Mirtazapine	4.600	15550012	439858.46	49.4	313753.27	455218	1005.2419 ng/ml
Mitragynine	5.219	3002532	1383.59	33.7	1121432.07	532815	977.7591 ng/ml
Morphine	1.261	432684	319.63	33.7	729.09	6666	973.0691 ng/ml
Norbuprenorphine	4.992	31919	59014.72	95.9	157907.52	18728	101.5431 ng/ml
Nordiazepam	5.900	1680375	∞	58.2	14019.94	63180	914.4157 ng/ml
Norfentanyl	4.090	766473	602.52	38.7	8558.19	257952	130.1099 ng/ml
Norhydrocodone	3.070	639409	177.22	39.7	485.15	38532	1031.7497 ng/ml
Noroxycodone	2.920	1718863	28108.61	50.0	13711.99	57527	1022.7623 ng/ml
O-desmethyl-tramadol	3.376	18865359	1095939.49	5.8	14420.44	1082394	976.3817 ng/ml
o-desmethylvenlafaxine	4.061	14584391	681153.83	15.4	38312.61	10582	1034.9927 ng/ml
Olanzapine	4.380	3140057	7957.47	60.1	439385.67	90857	882.8752 ng/ml
Oxazepam	5.756	750084	7791.86	72.4	21128.16	50103	868.4751 ng/ml
Oxycodone	2.845	5744926	4963.11	29.6	1227.00	238747	915.7013 ng/ml
Oxymorphone	1.413	1565147	1114.28	47.7	∞	62146	897.9876 ng/ml
Phentermine	3.785	2764284	∞	6.7	2191.86	456562	727.7466 ng/ml
Promethazine	5.544	14604887	130873.12	31.2	1764.70	643810	1077.5821 ng/ml
Pseudoephedrine	2.613	18123257	192794.45	15.6	175803.07	681845	1066.3010 ng/ml
Quetiapine	5.519	9063478	58246.15	58.7	78880.54	173547	751.6454 ng/ml
Sertraline	5.776	1565814	811642.24	95.1	21602.43	67294	992.1781 ng/ml
Temazepam	5.837	2420265	25251.76	28.5	4957.00	95969	1100.0992 ng/ml
Tramadol	4.238	14211505	415.16	3.6	3537.53	814782	838.8073 ng/ml
Trazodone	5.075	11198729	534532.90	67.2	358071.27	472614	767.9014 ng/ml
Venlafaxine	5.044	15288761	24128.58	32.7	57284.52	792379	1042.4874 ng/ml
Xylazine	4.076	6107099	33438.37	50.1	13238.83	280232	977.2723 ng/ml
Zolpidem	4.845	18213597	1931023.81	26.8	3195644.69	799568	903.6110 ng/ml

CS TS



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

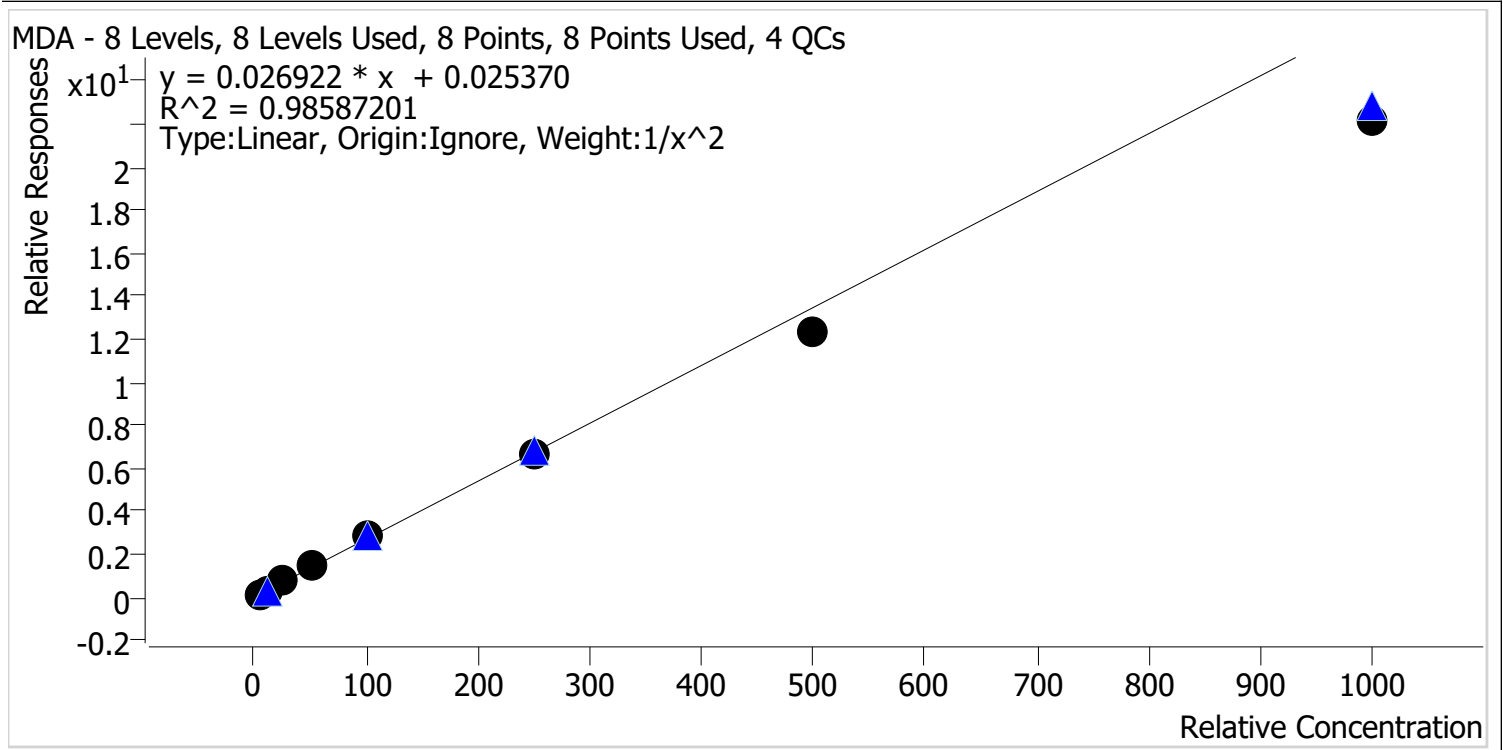
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**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** MDA

**Internal Standard** MDA-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.0
p1 Cal 2-10ng	2	✓	10.0	10.7	107.4
p1 Cal 3 -25ng	3	✓	25.0	27.7	110.8
p1 Cal 4-50ng	4	✓	50.0	55.3	110.5
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	455.0	91.0
p1 Cal 8-1000ng	8	✓	1000.0	822.5	82.2

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

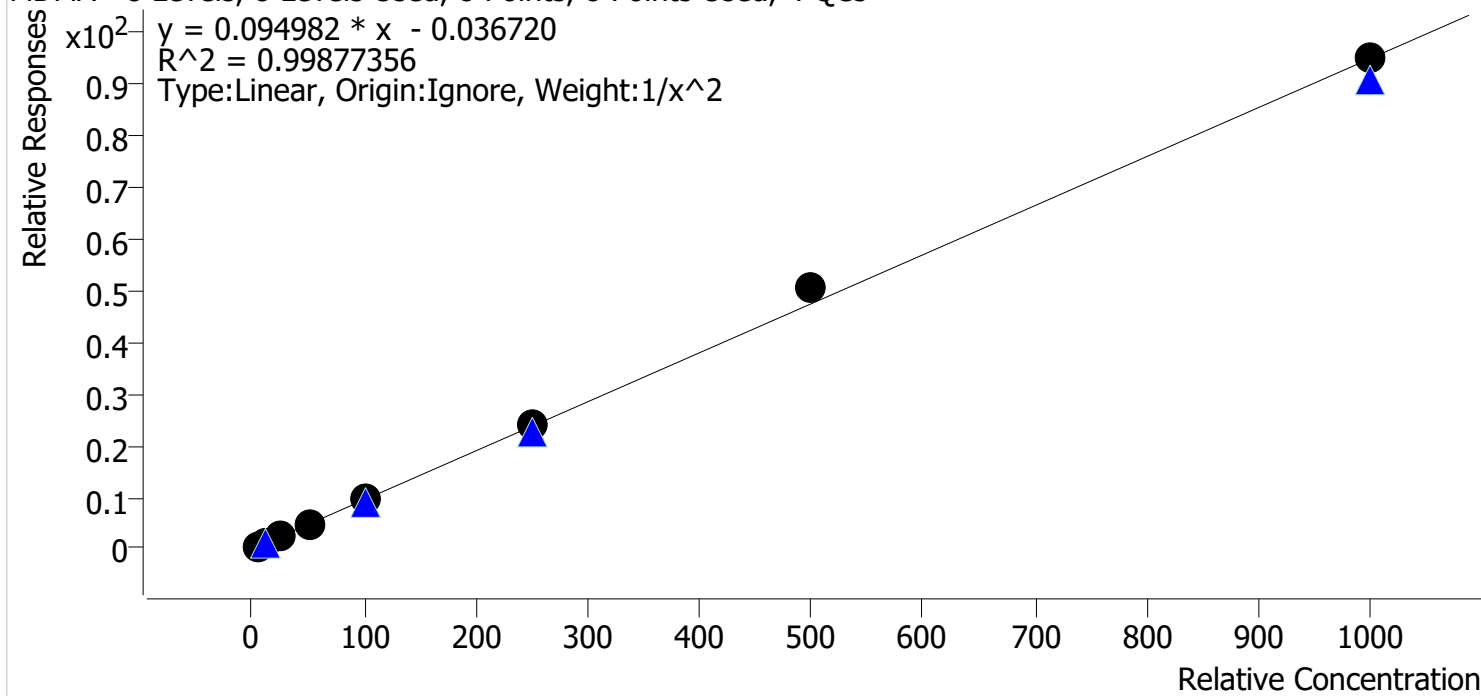
**Analyst Name** ISP\datastor

**Analyte** MDMA

**Internal Standard**

MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	532.4	106.5
p1 Cal 8-1000ng	8	✓	1000.0	1000.7	100.1



CS TS



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

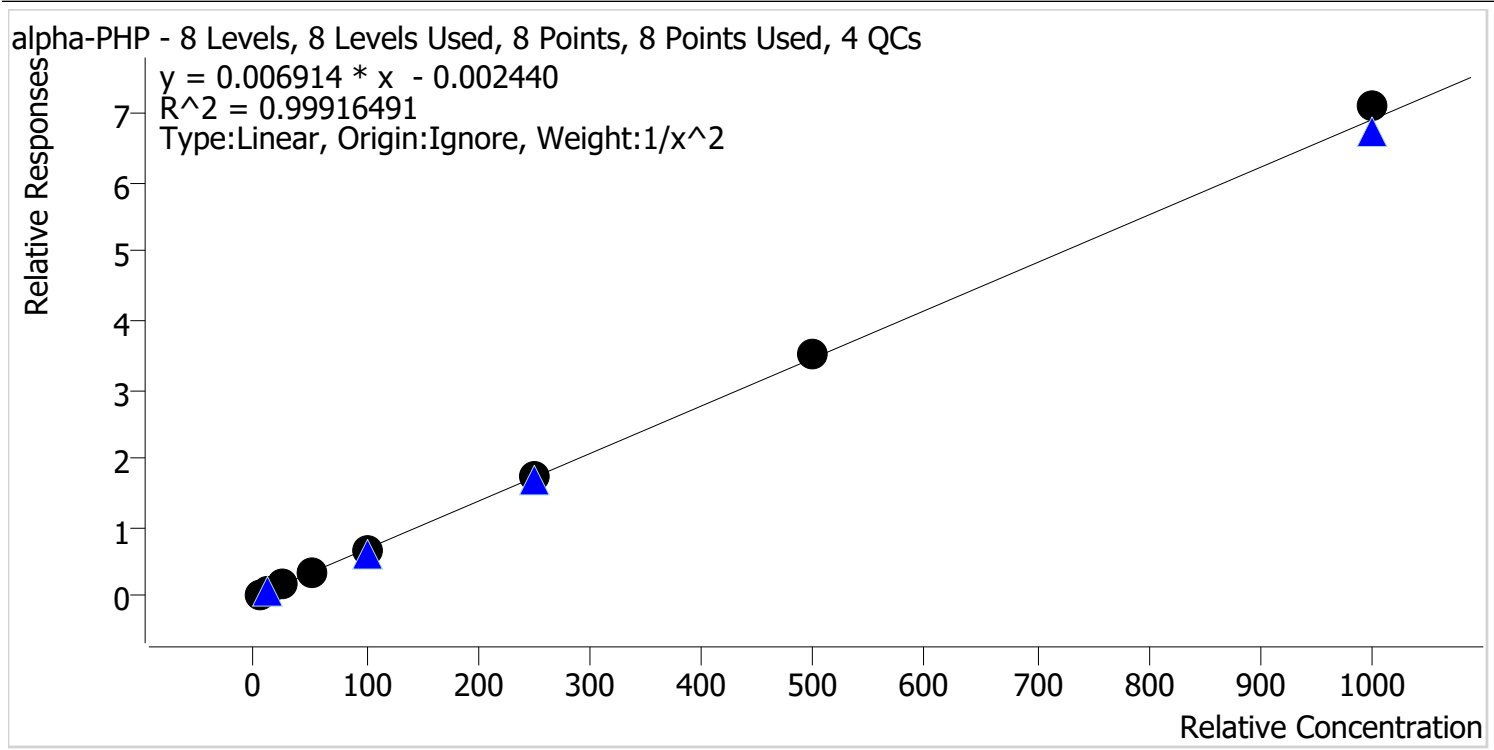
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**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** alpha-PHP

**Internal Standard** alpha-PVP-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	255.6	102.2
p1 Cal 7-500ng	7	✓	500.0	511.7	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1027.9	102.8



TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

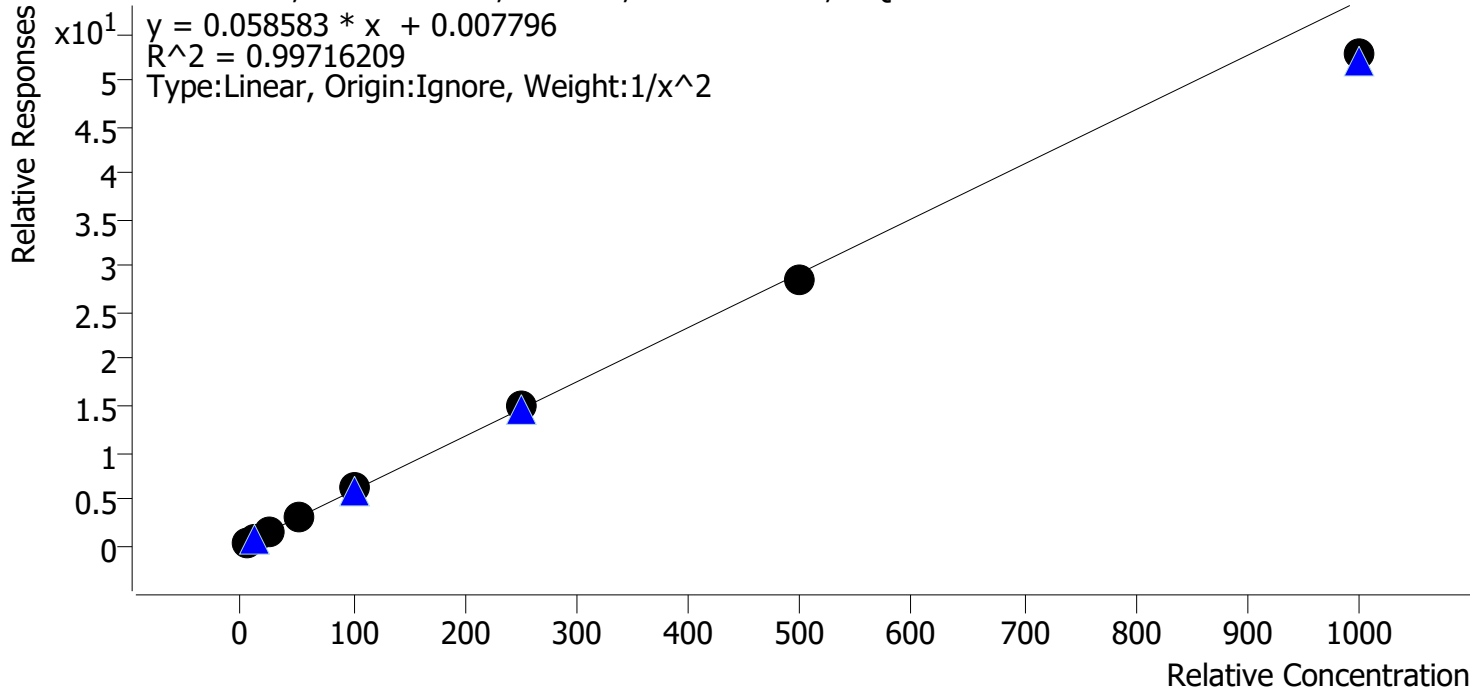
**Analyst Name** ISP\datastor

**Analyte** Clonazepam

**Internal Standard**

Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	488.9	97.8
p1 Cal 8-1000ng	8	✓	1000.0	902.0	90.2

ES TS



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

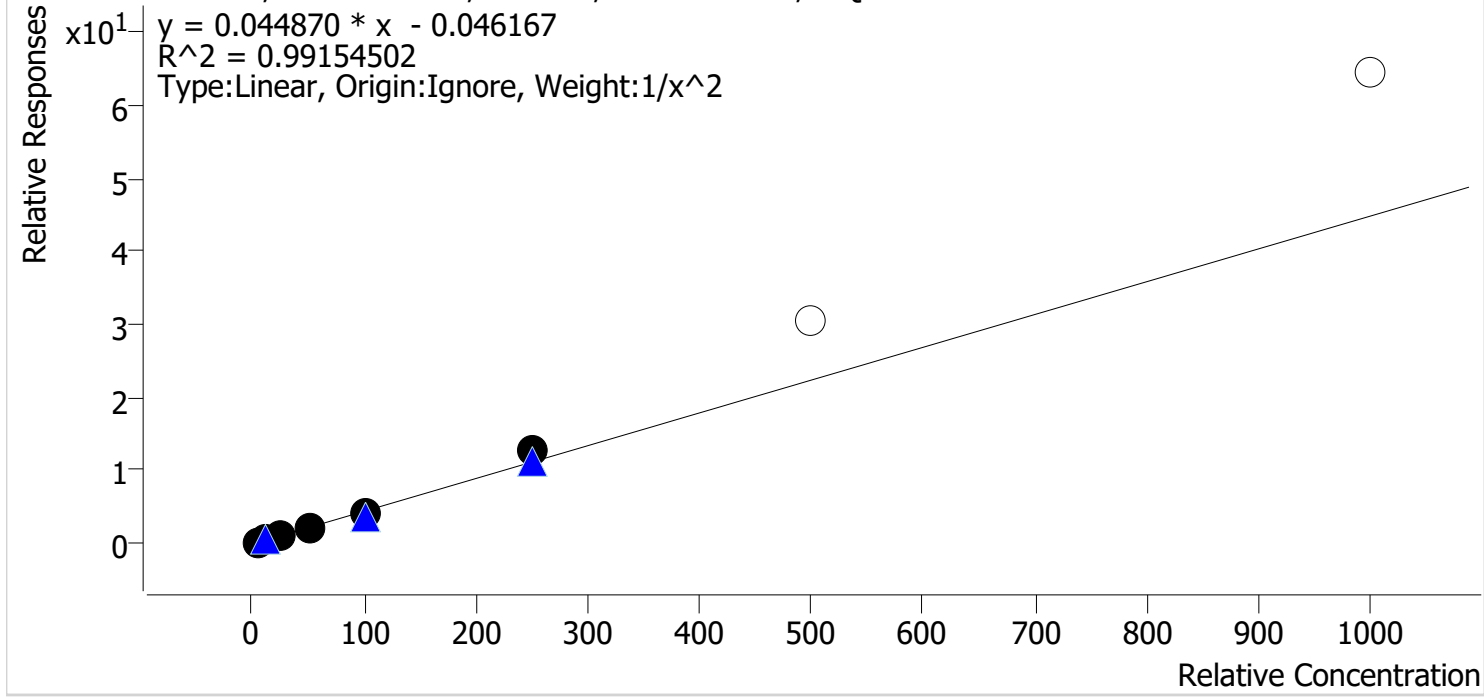
**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Etizolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.6
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	282.0	112.8
p1 Cal 7-500ng	7	✗	500.0	679.2	135.8
p1 Cal 8-1000ng	8	✗	1000.0	1442.4	144.2

TS



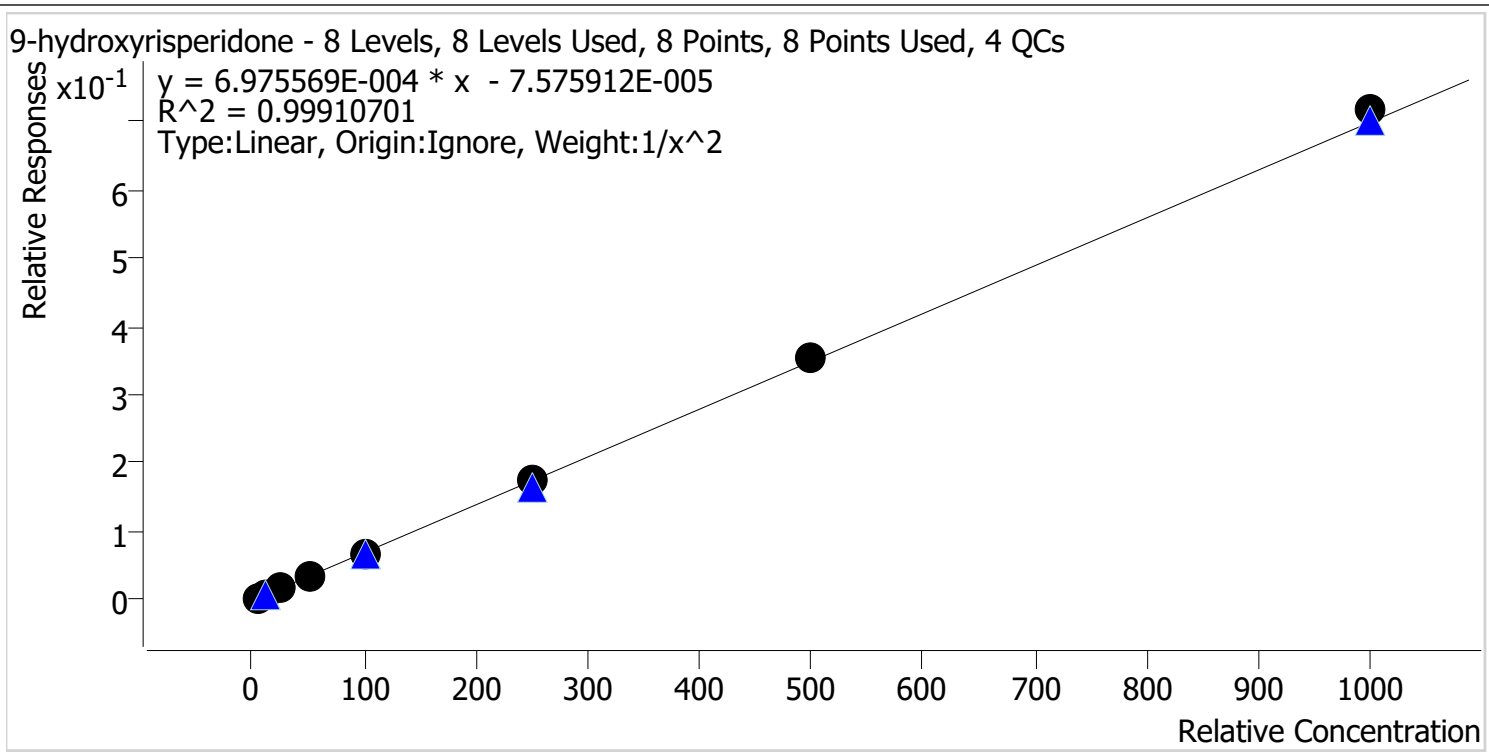
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** 9-hydroxyrisperidone **Internal Standard** 9-hydroxyrisperidone-D4



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	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	47.5	95.1
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	508.3	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1025.8	102.6

TS



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

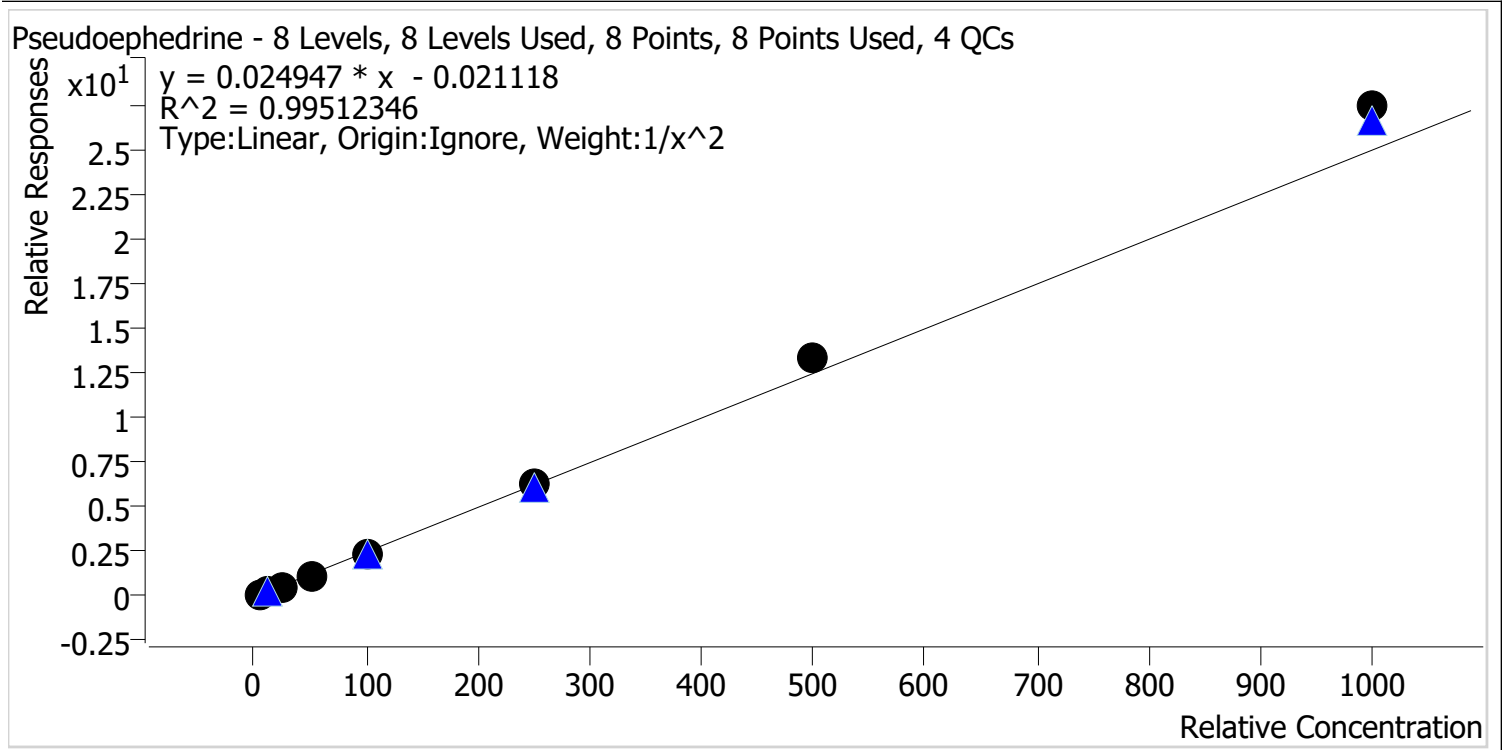
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Pseudoephedrine

**Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	46.7	93.4
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	531.8	106.4
p1 Cal 8-1000ng	8	✓	1000.0	1098.2	109.8

CS TS



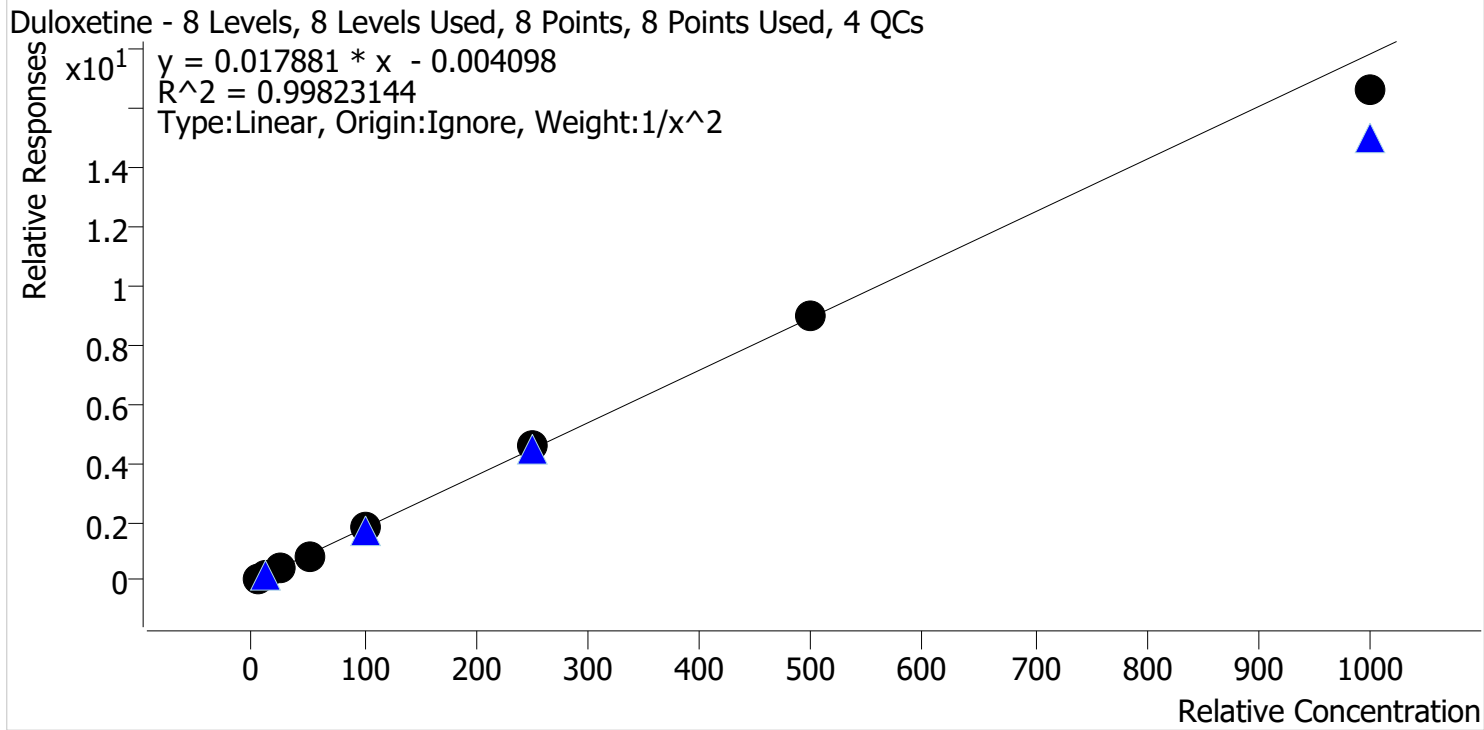
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Duloxetine **Internal Standard** Duloxetine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	258.4	103.3
p1 Cal 7-500ng	7	✓	500.0	504.6	100.9
p1 Cal 8-1000ng	8	✓	1000.0	931.1	93.1

TS



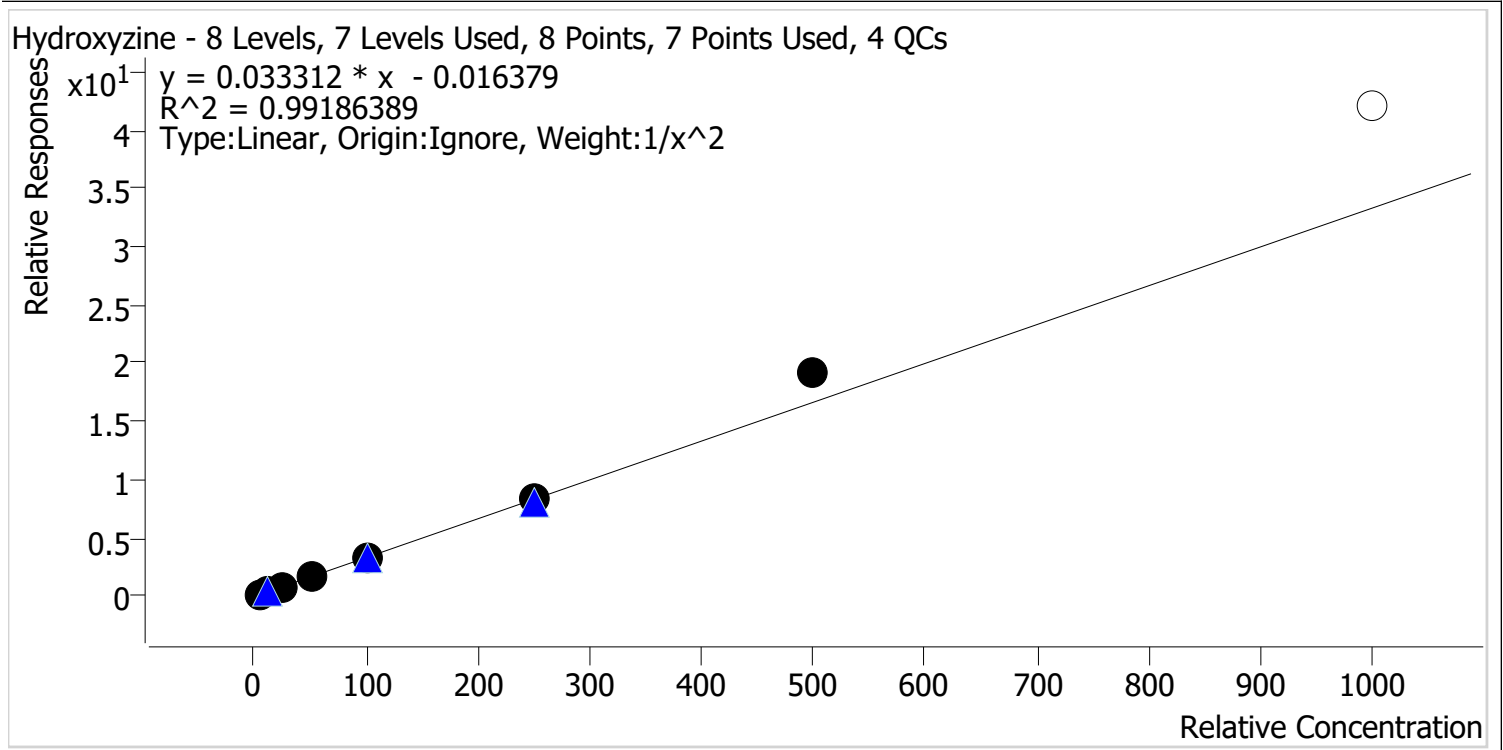
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**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Hydroxyzine **Internal Standard** Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.2
p1 Cal 2-10ng	2	✓	10.0	9.5	94.9
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	47.0	94.0
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	249.4	99.7
p1 Cal 7-500ng	7	✓	500.0	576.9	115.4
p1 Cal 8-1000ng	8	x	1000.0	1262.3	126.2

CS TS



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

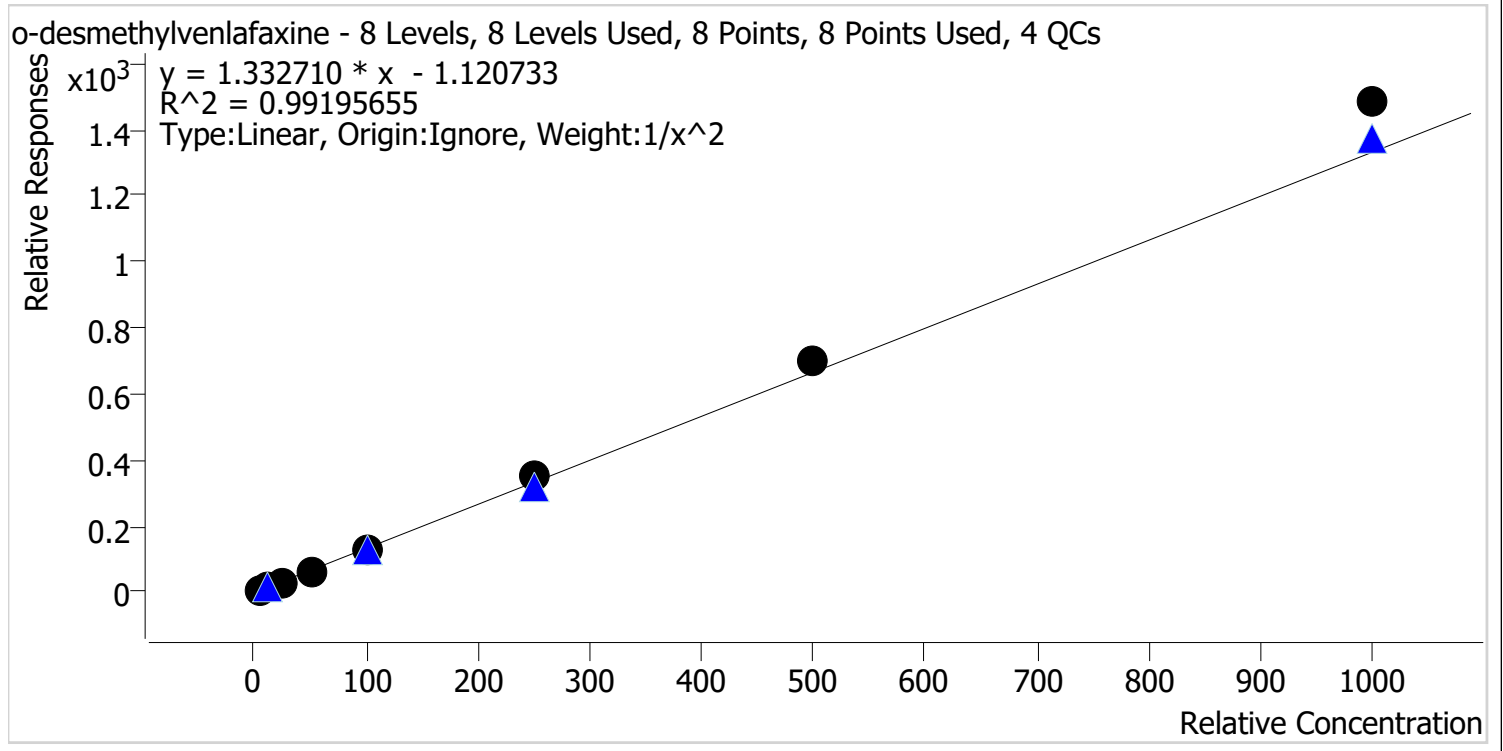
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** o-desmethylvenlafaxine

**Internal Standard** o-desmethylvenlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.4
p1 Cal 2-10ng	2	✓	10.0	9.2	92.1
p1 Cal 3 -25ng	3	✓	25.0	22.7	91.0
p1 Cal 4-50ng	4	✓	50.0	46.8	93.6
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	262.4	104.9
p1 Cal 7-500ng	7	✓	500.0	525.4	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1114.3	111.4

TS



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

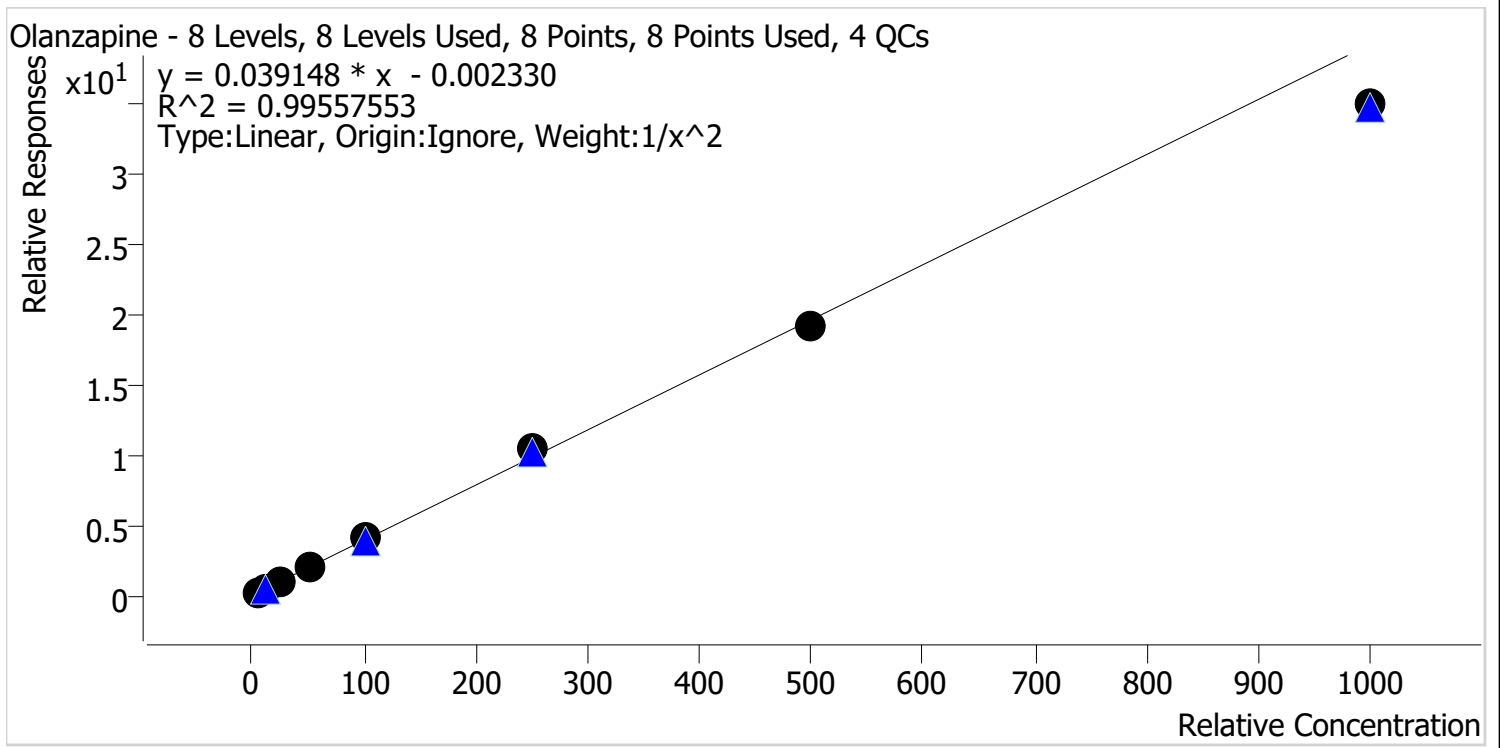
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**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Olanzapine

**Internal Standard** Olanzapine-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.6
p1 Cal 4-50ng	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	264.2	105.7
p1 Cal 7-500ng	7	✓	500.0	487.3	97.5
p1 Cal 8-1000ng	8	✓	1000.0	891.3	89.1



TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

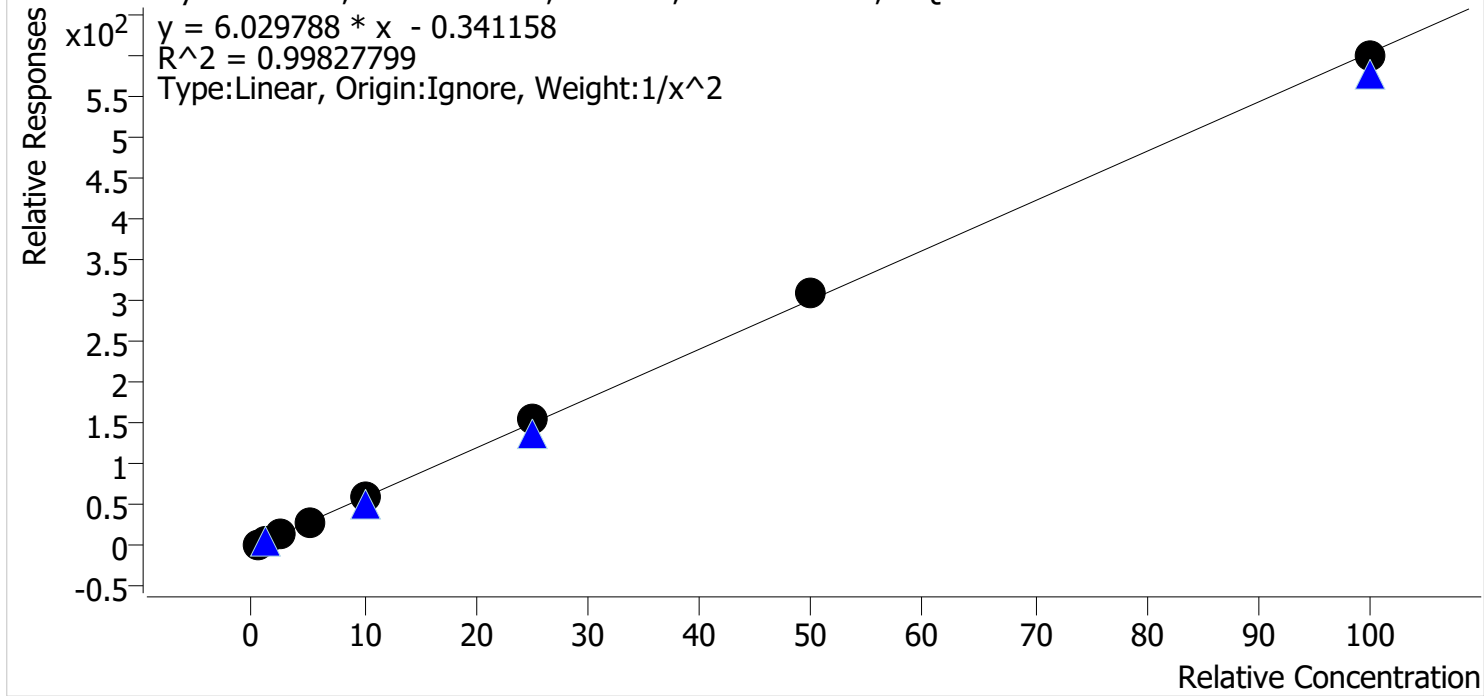
**Analyst Name** ISP\datastor

**Analyte** Fluorofentanyl

**Internal Standard**

Fluorofentanyl-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.4
p1 Cal 2-10ng	2	✓	1.0	1.0	97.9
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.5
p1 Cal 4-50ng	4	✓	5.0	5.0	99.6
p1 Cal 5-100ng	5	✓	10.0	10.2	102.2
p1 Cal 6-250ng	6	✓	25.0	25.8	103.2
p1 Cal 7-500ng	7	✓	50.0	51.5	102.9
p1 Cal 8-1000ng	8	✓	100.0	99.3	99.3

CS TS



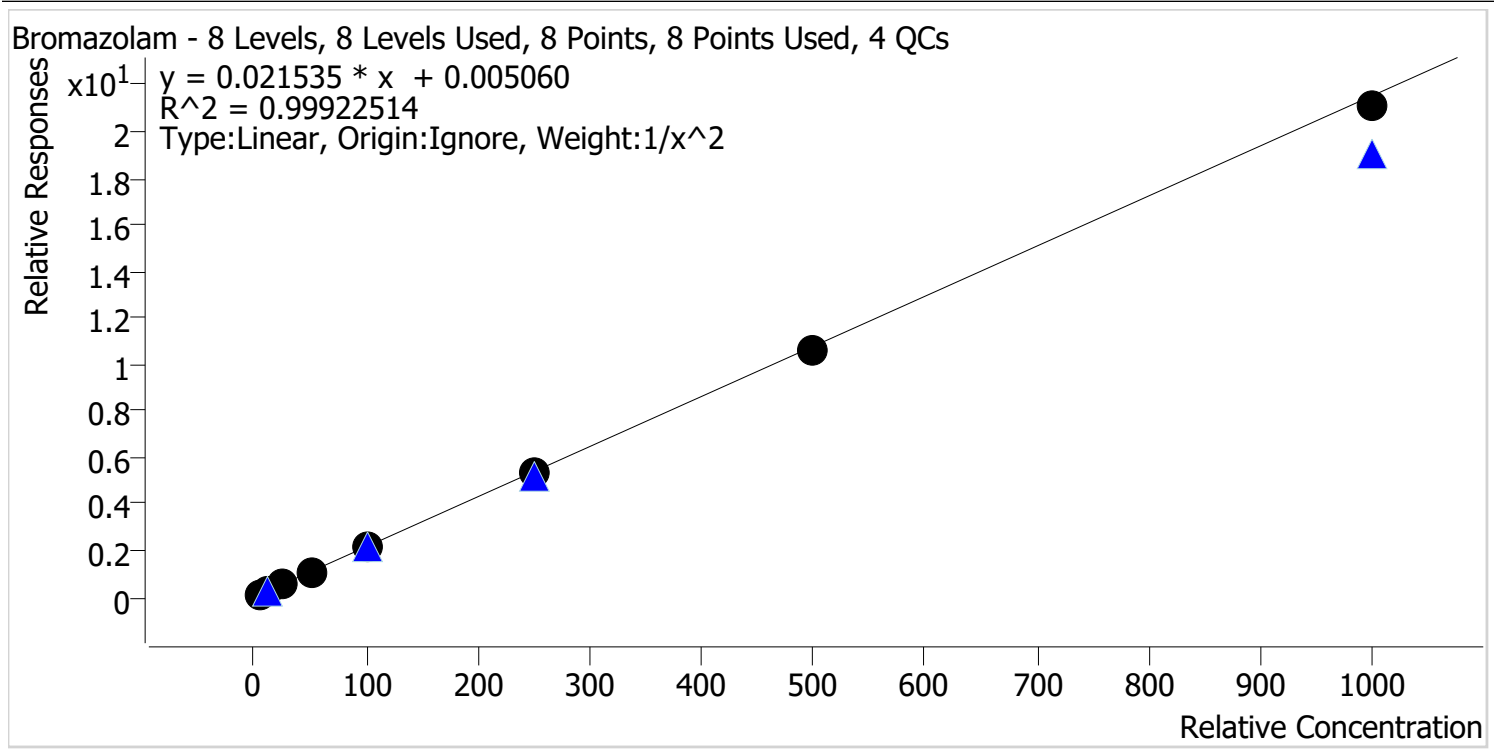
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Bromazolam **Internal Standard** Bromazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.0
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	493.1	98.6
p1 Cal 8-1000ng	8	✓	1000.0	979.1	97.9

TS



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

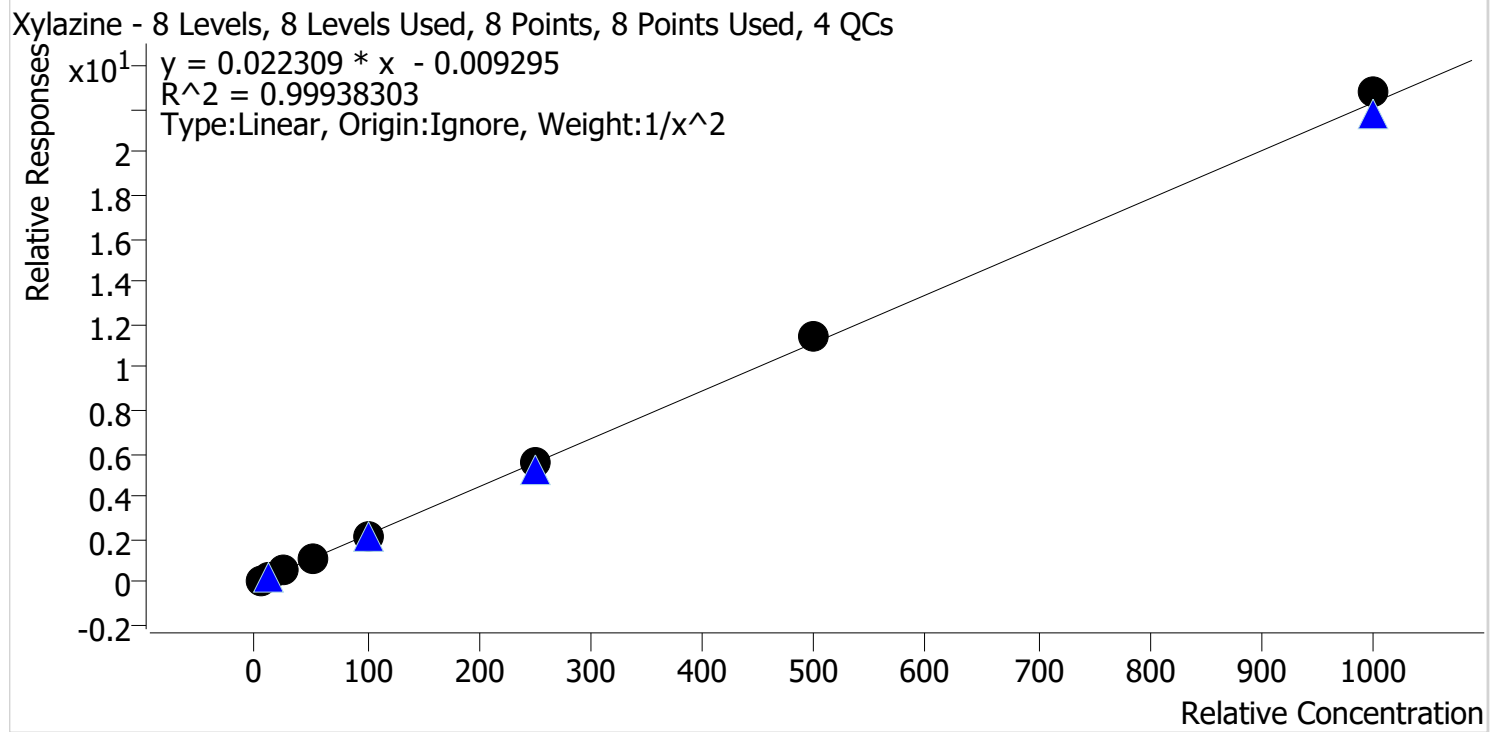
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Xylazine

**Internal Standard** Xylanzine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	514.1	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1021.9	102.2

CS TS



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

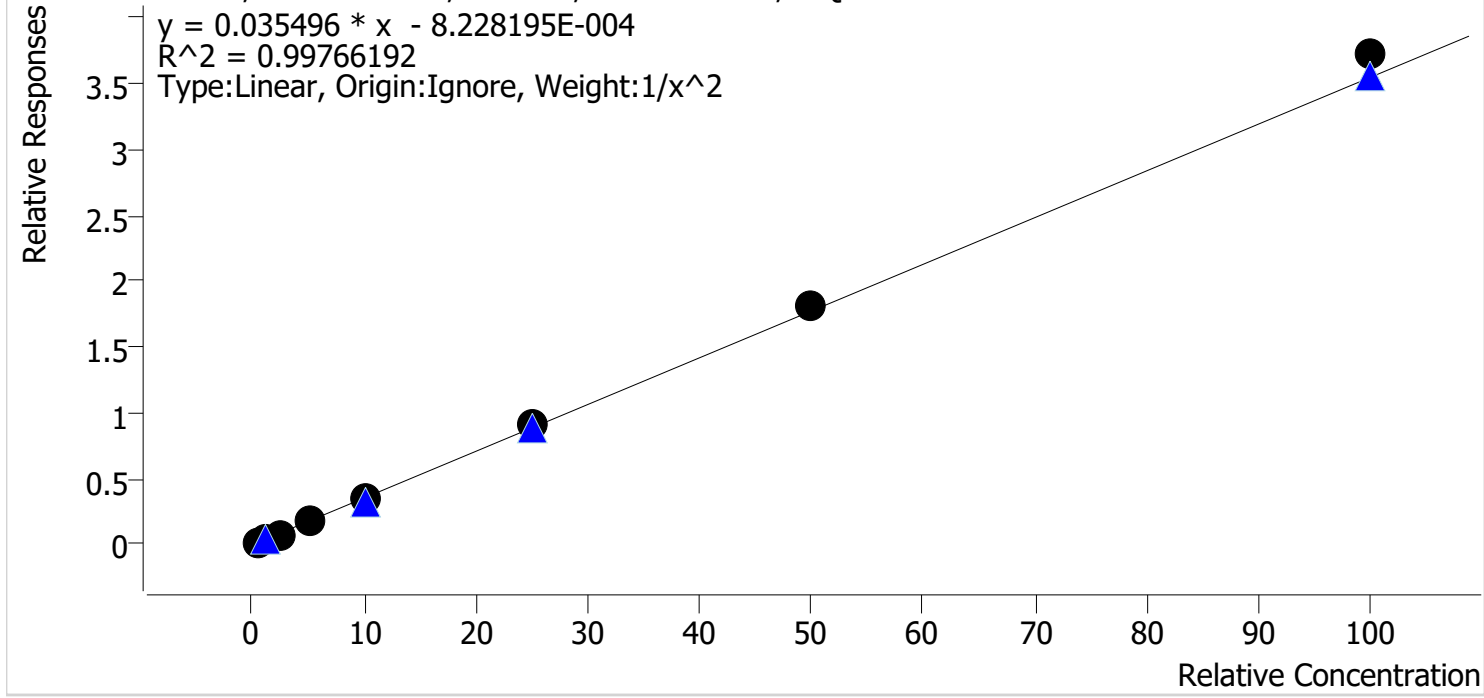
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.4
p1 Cal 2-10ng	2	✓	1.0	1.0	103.0
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.5
p1 Cal 4-50ng	4	✓	5.0	4.9	98.1
p1 Cal 5-100ng	5	✓	10.0	9.8	97.7
p1 Cal 6-250ng	6	✓	25.0	25.5	102.1
p1 Cal 7-500ng	7	✓	50.0	51.1	102.2
p1 Cal 8-1000ng	8	✓	100.0	105.0	105.0

TS



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

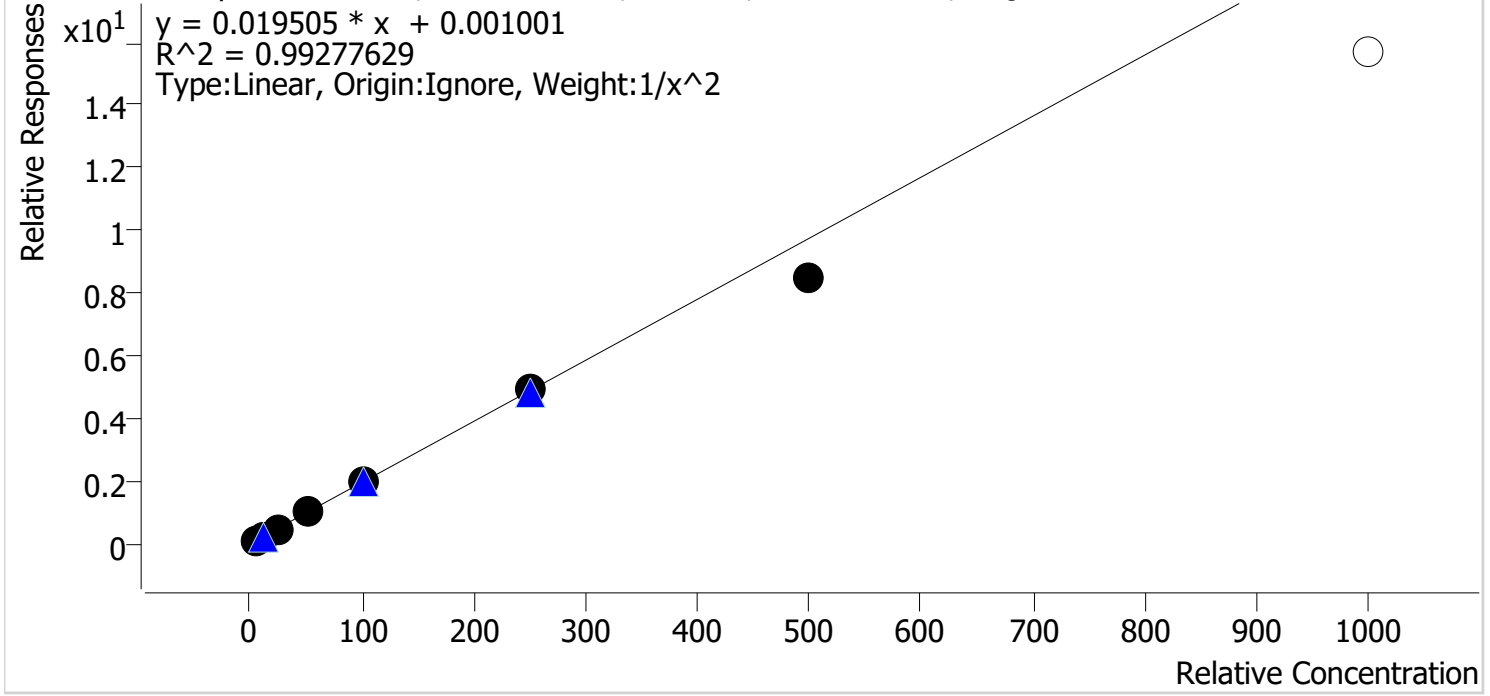
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.8	108.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	436.0	87.2
p1 Cal 8-1000ng	8	x	1000.0	804.7	80.5

TS



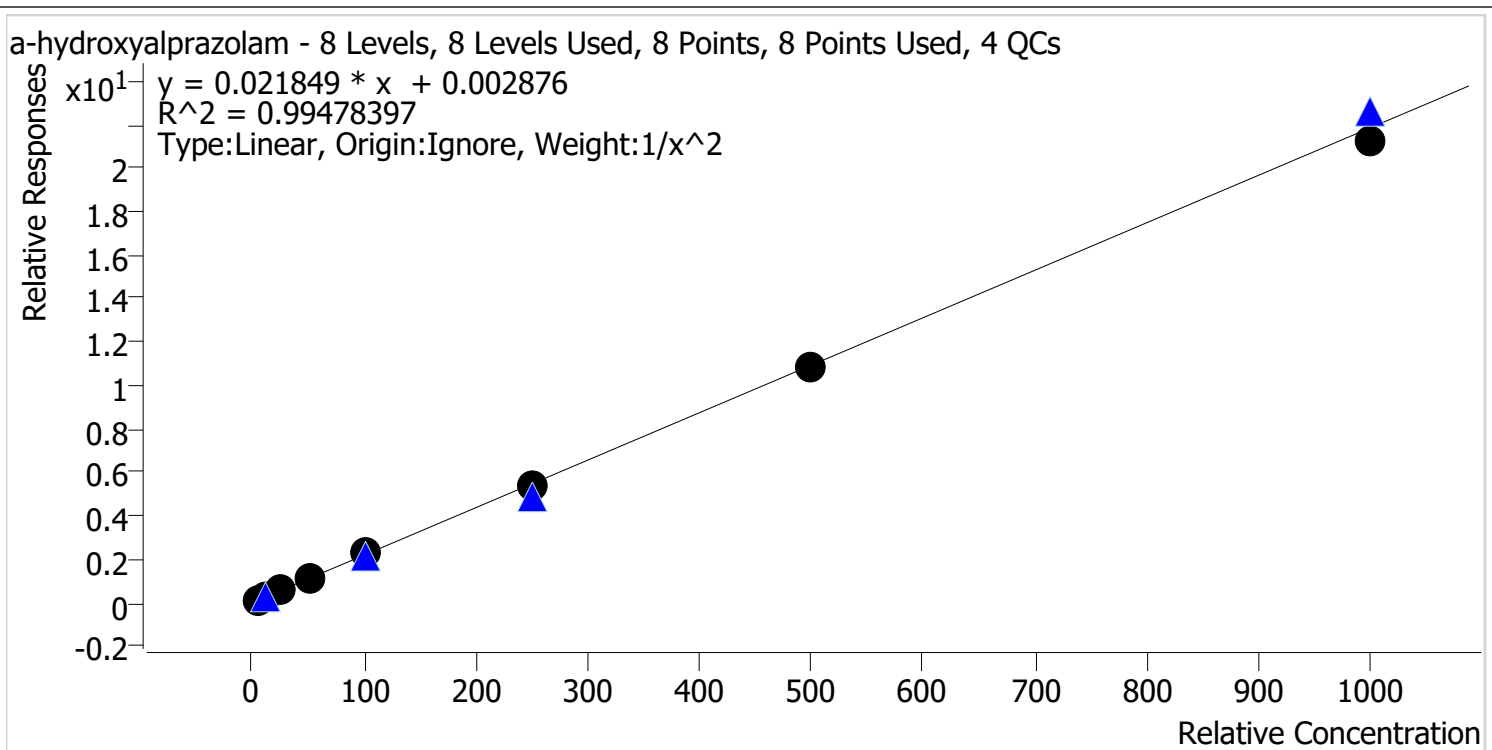
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.8
p1 Cal 2-10ng	2	✓	10.0	8.7	87.2
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	495.1	99.0
p1 Cal 8-1000ng	8	✓	1000.0	974.0	97.4

CS TS



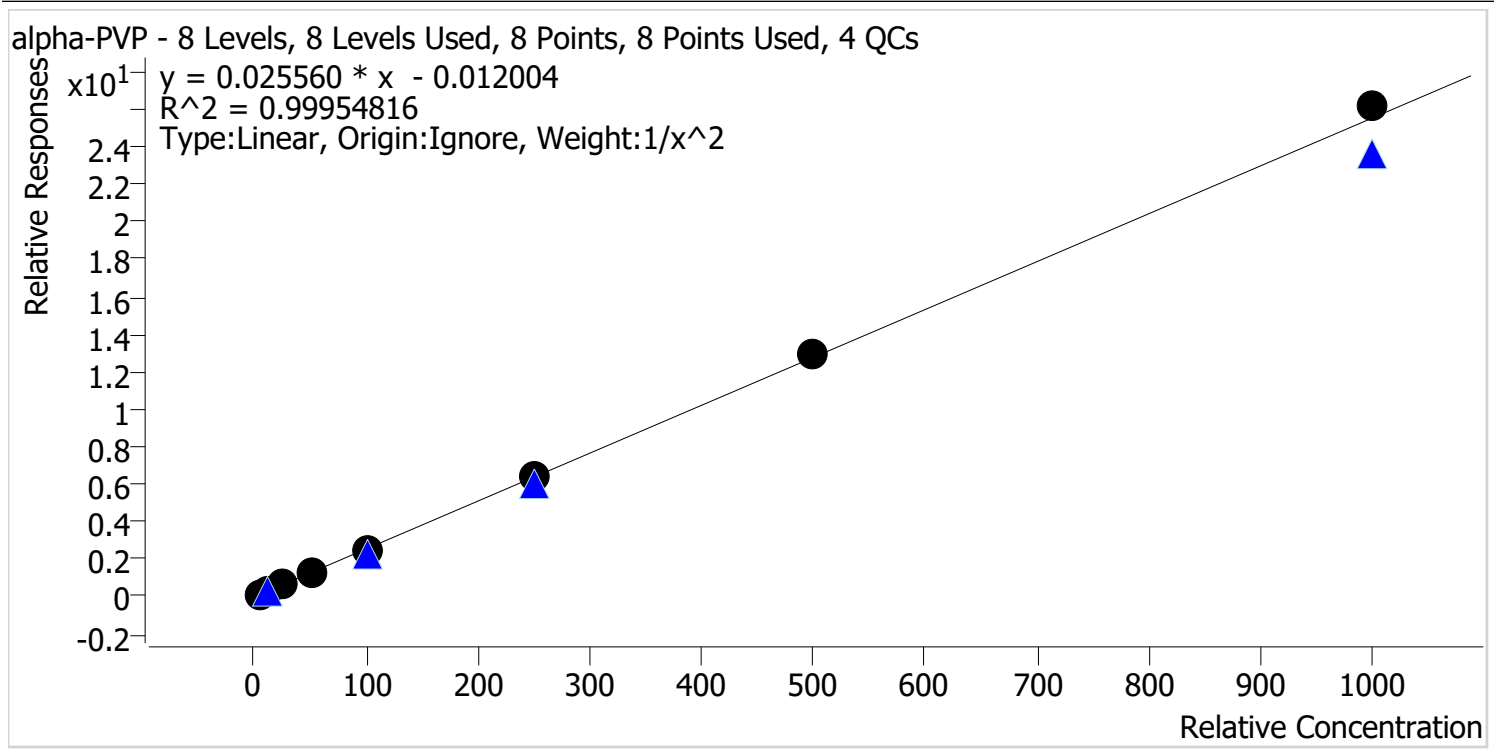
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** alpha-PVP **Internal Standard** alpha-PVP-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	506.1	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1024.7	102.5

TS



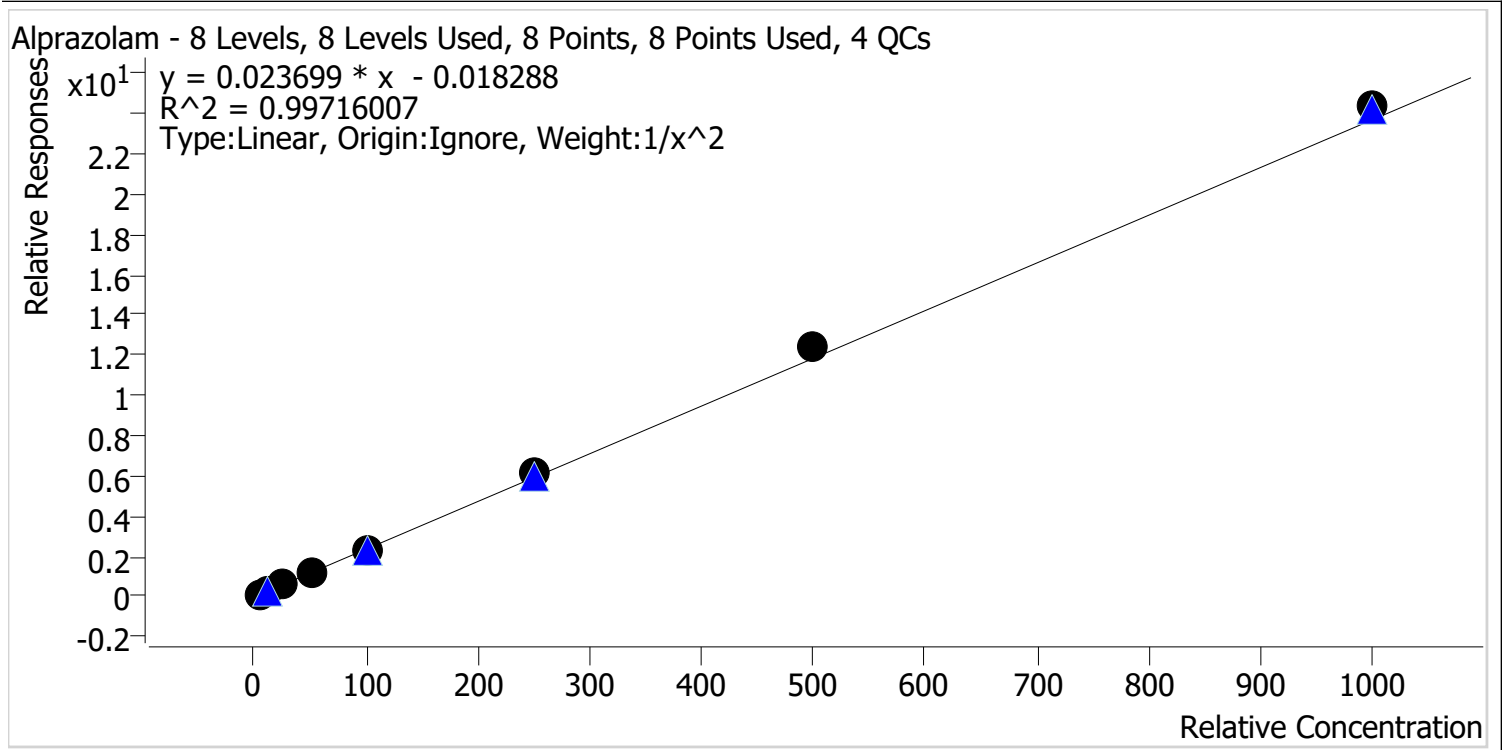
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.2
p1 Cal 4-50ng	4	✓	50.0	47.7	95.3
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	264.0	105.6
p1 Cal 7-500ng	7	✓	500.0	523.0	104.6
p1 Cal 8-1000ng	8	✓	1000.0	1028.5	102.9



CS TS



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

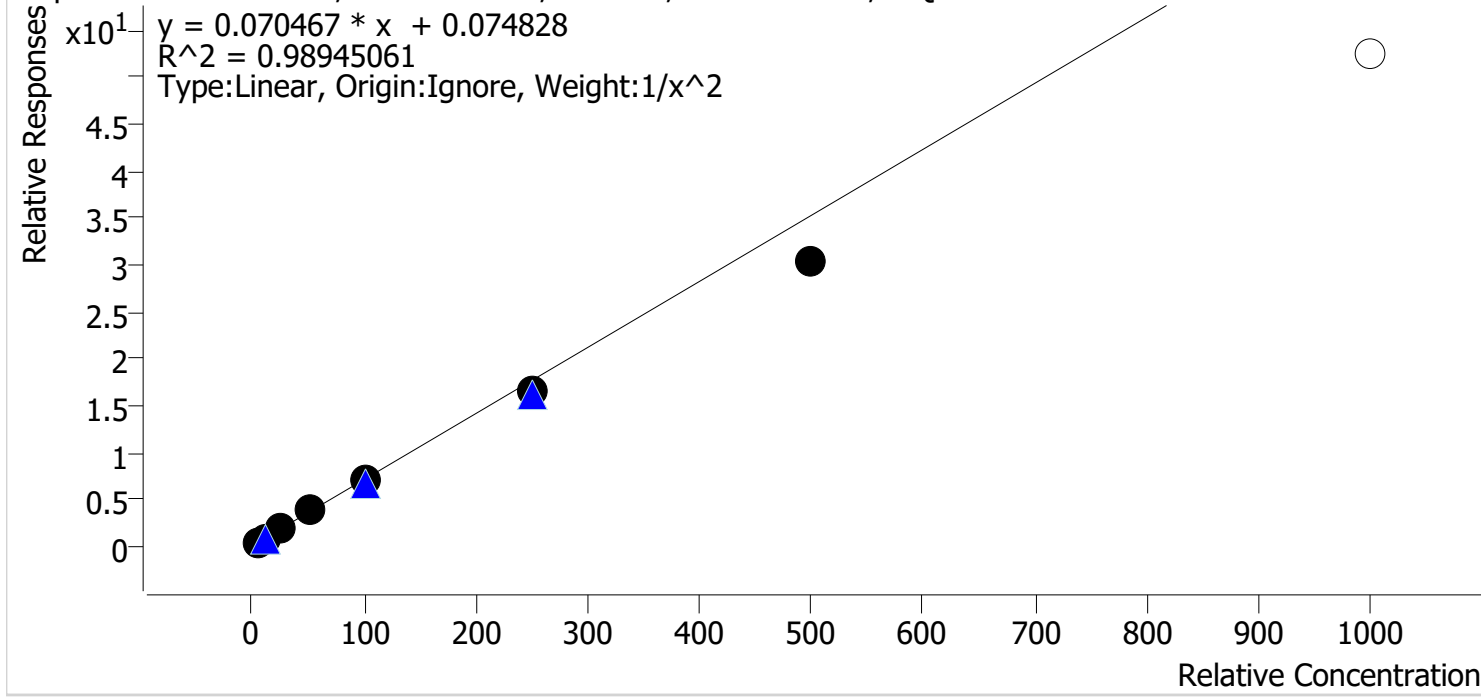
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.3
p1 Cal 4-50ng	4	✓	50.0	54.5	109.1
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	235.6	94.2
p1 Cal 7-500ng	7	✓	500.0	429.8	86.0
p1 Cal 8-1000ng	8	x	1000.0	744.0	74.4

TS



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

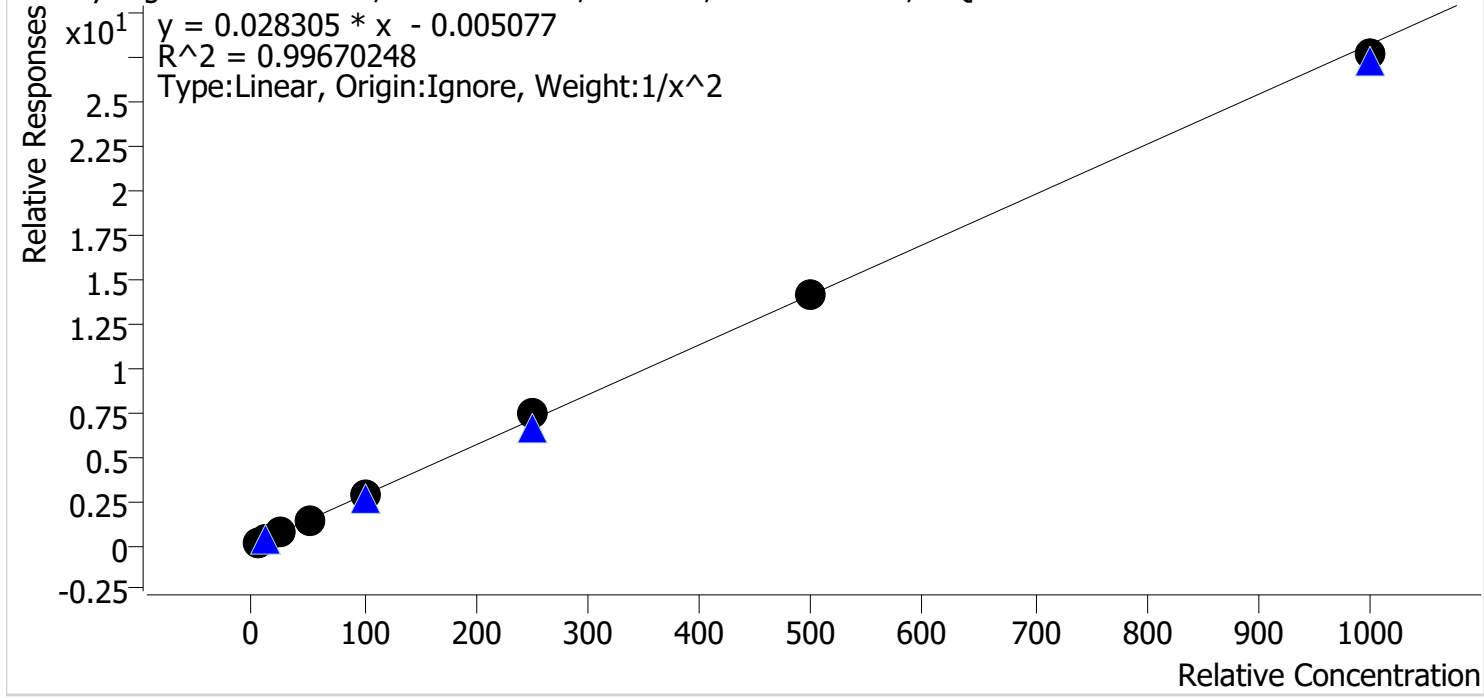
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**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Benzoyllecgonine **Internal Standard** Benzoyllecgonine-d8

Benzoyllecgonine - 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	8.9	89.4
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	264.0	105.6
p1 Cal 7-500ng	7	✓	500.0	502.8	100.6
p1 Cal 8-1000ng	8	✓	1000.0	980.2	98.0

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

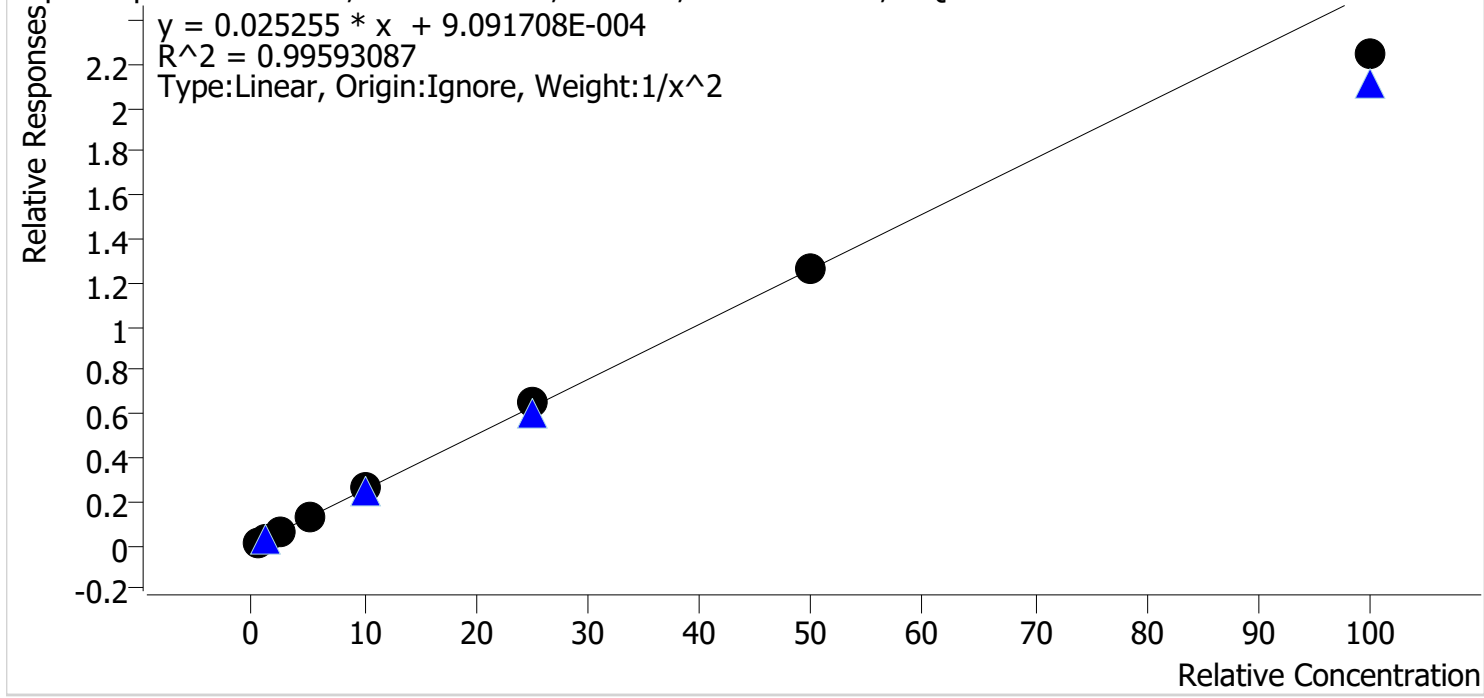
**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Buprenorphine

**Internal Standard** Buprenorphine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.2
p1 Cal 2-10ng	2	✓	1.0	1.0	96.4
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.6
p1 Cal 4-50ng	4	✓	5.0	5.3	106.0
p1 Cal 5-100ng	5	✓	10.0	10.5	104.5
p1 Cal 6-250ng	6	✓	25.0	26.1	104.4
p1 Cal 7-500ng	7	✓	50.0	50.0	100.0
p1 Cal 8-1000ng	8	✓	100.0	88.9	88.9

CS TS



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

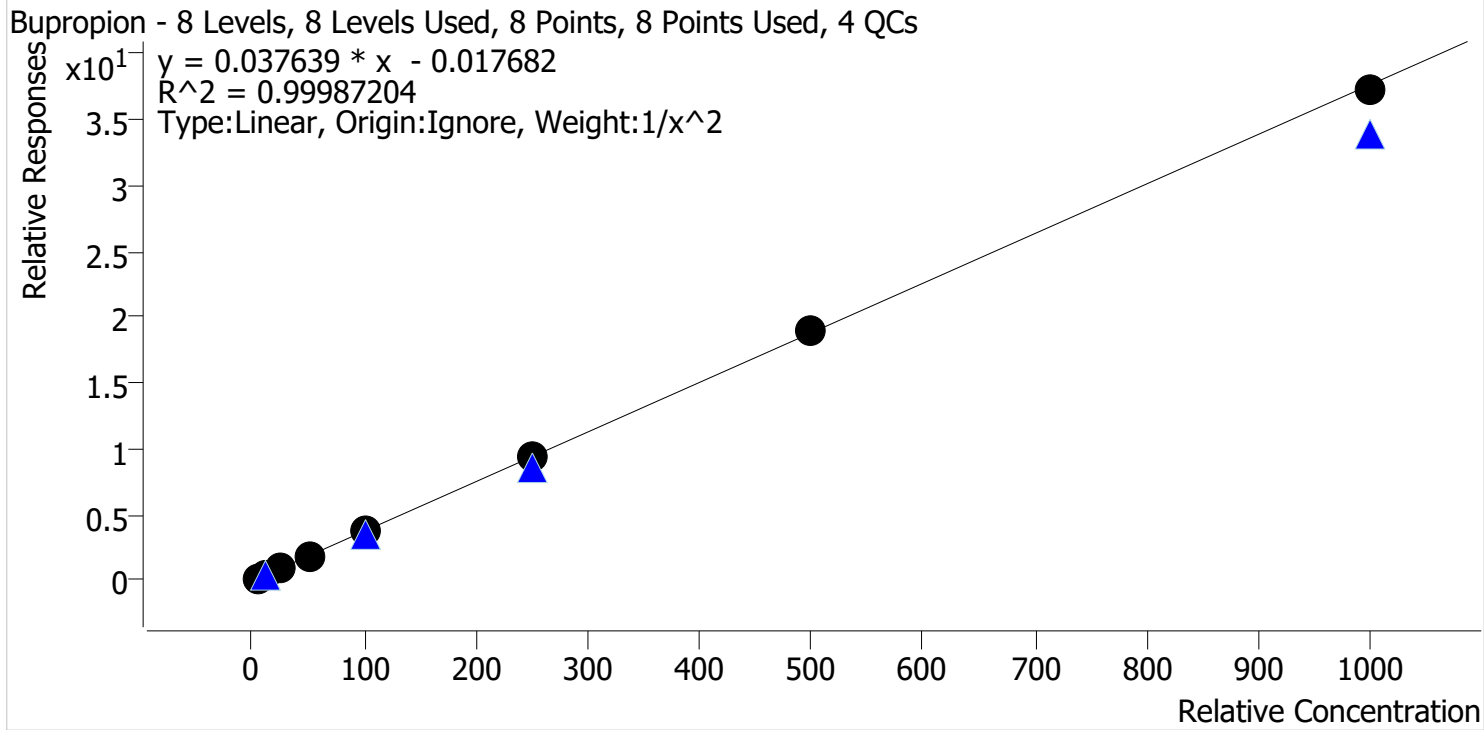
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Bupropion

**Internal Standard** Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	505.4	101.1
p1 Cal 8-1000ng	8	✓	1000.0	988.9	98.9

CS TS



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

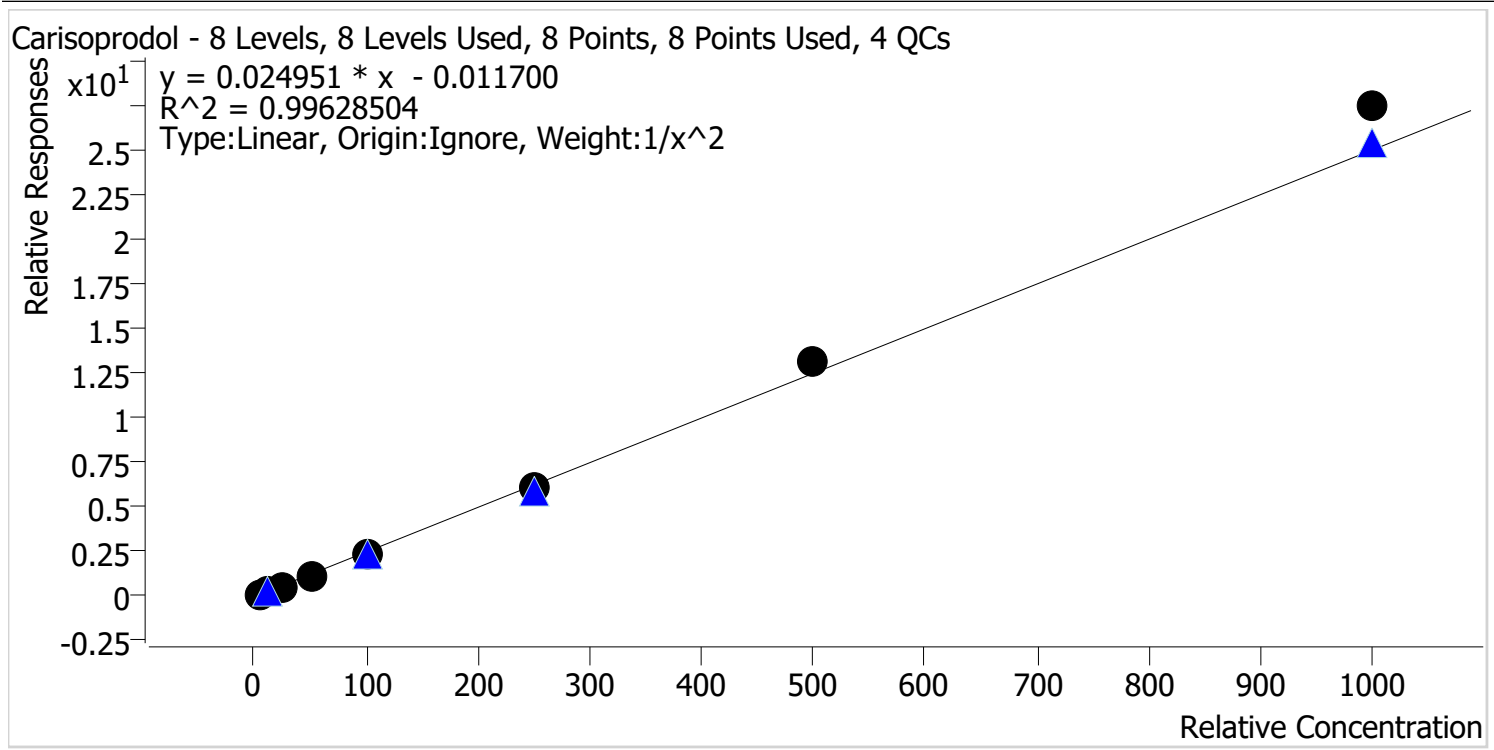
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Carisoprodol

**Internal Standard** Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	47.7	95.3
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	244.1	97.6
p1 Cal 7-500ng	7	✓	500.0	525.9	105.2
p1 Cal 8-1000ng	8	✓	1000.0	1098.0	109.8

TS



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

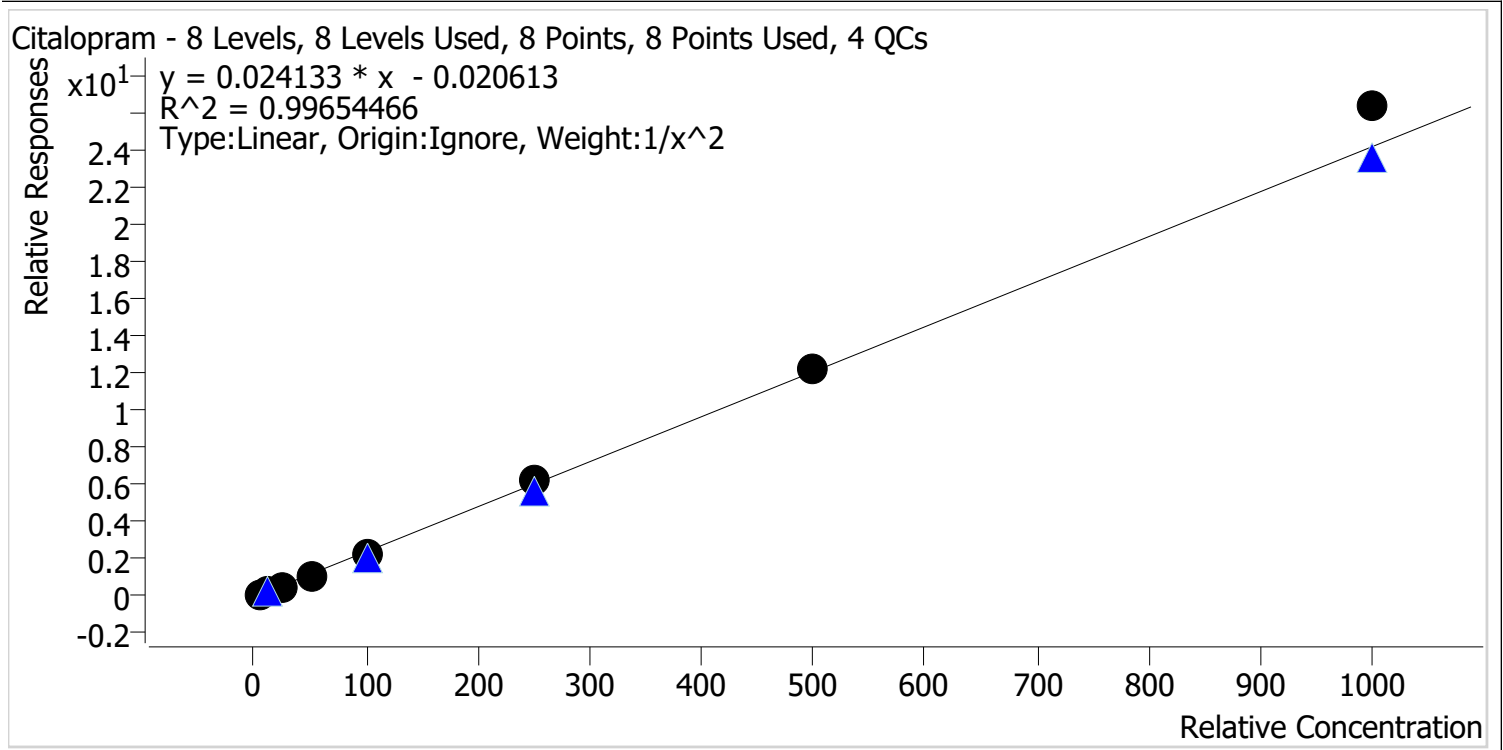
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Citalopram

**Internal Standard** Citalopram-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.1
p1 Cal 2-10ng	2	✓	10.0	9.5	94.5
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	48.1	96.3
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	510.2	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1089.8	109.0

TS



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

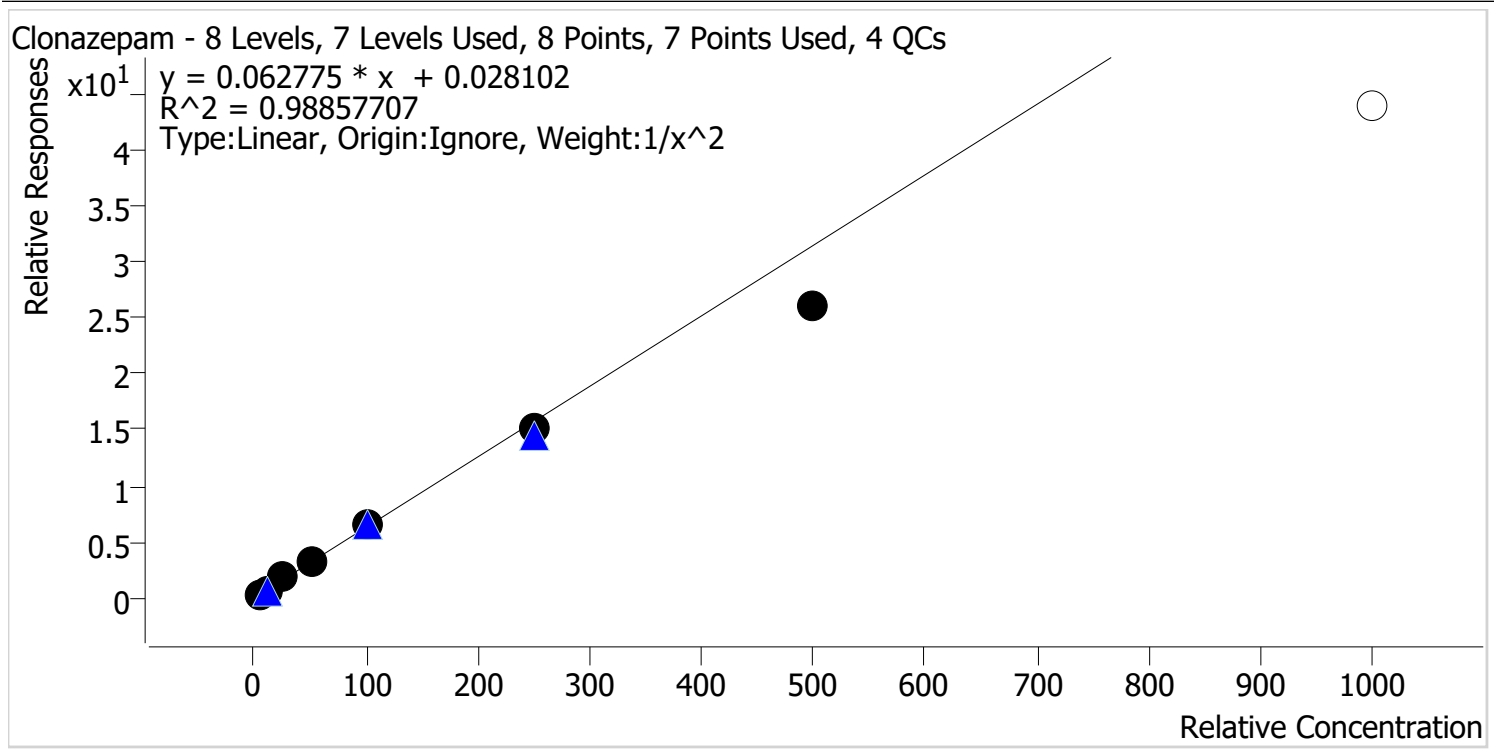
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Clonazepam

**Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.6
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	242.1	96.8
p1 Cal 7-500ng	7	✓	500.0	415.5	83.1
p1 Cal 8-1000ng	8	x	1000.0	697.3	69.7

CS TS



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

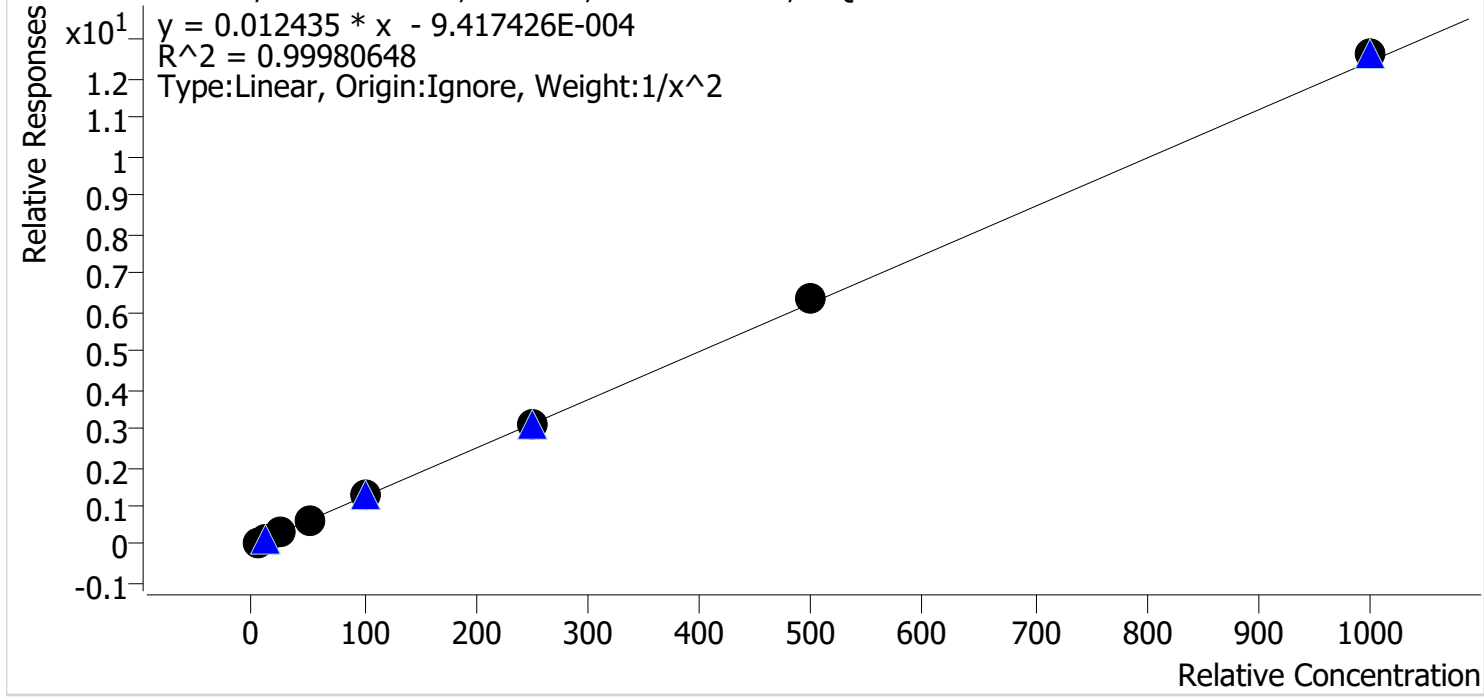
**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Cocaine **Internal Standard** Cocaine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	49.0	98.1
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	248.4	99.3
p1 Cal 7-500ng	7	✓	500.0	507.5	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1015.1	101.5



ES TS



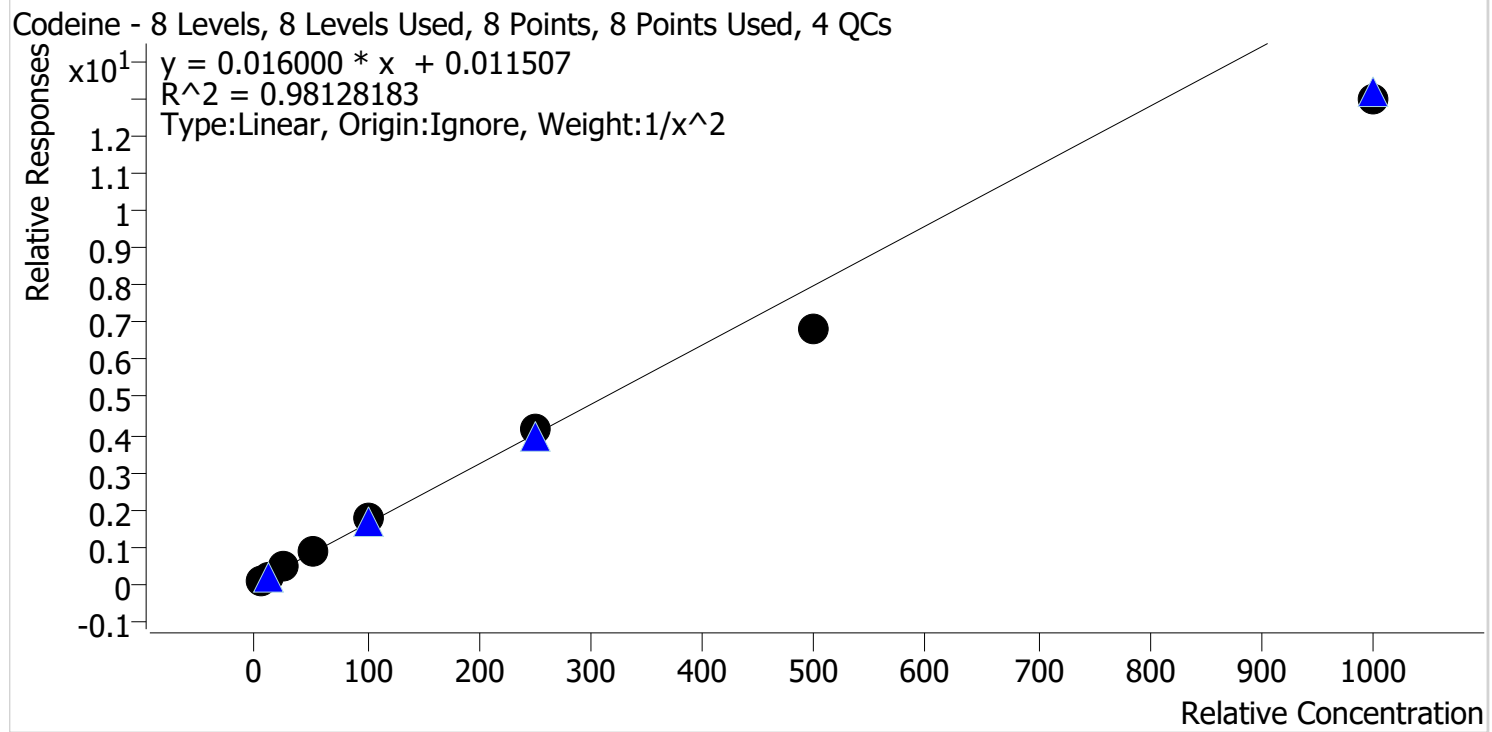
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	27.5	109.9
p1 Cal 4-50ng	4	✓	50.0	56.0	112.1
p1 Cal 5-100ng	5	✓	100.0	112.2	112.2
p1 Cal 6-250ng	6	✓	250.0	259.4	103.8
p1 Cal 7-500ng	7	✓	500.0	424.3	84.9
p1 Cal 8-1000ng	8	✓	1000.0	810.7	81.1

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

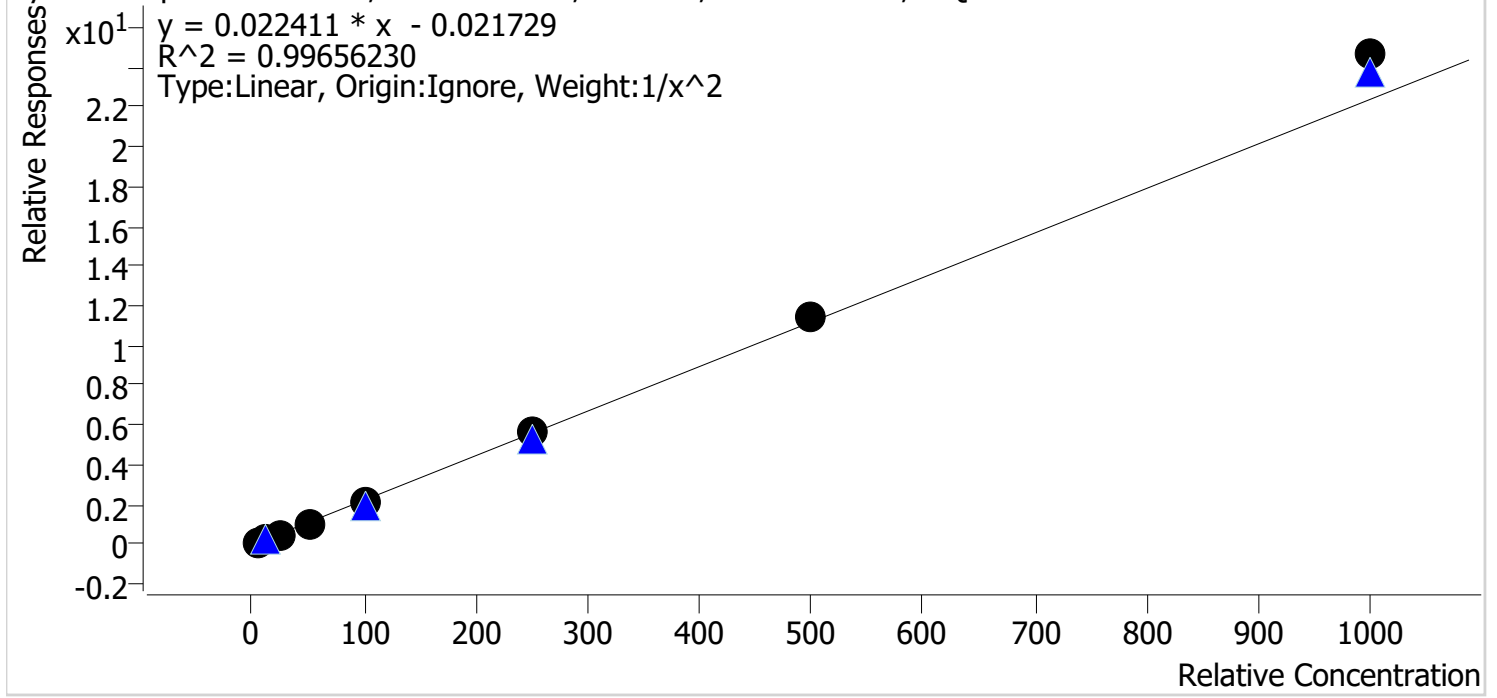
**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Cyclobenzaprine

**Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	47.8	95.5
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	510.3	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1101.3	110.1

TS



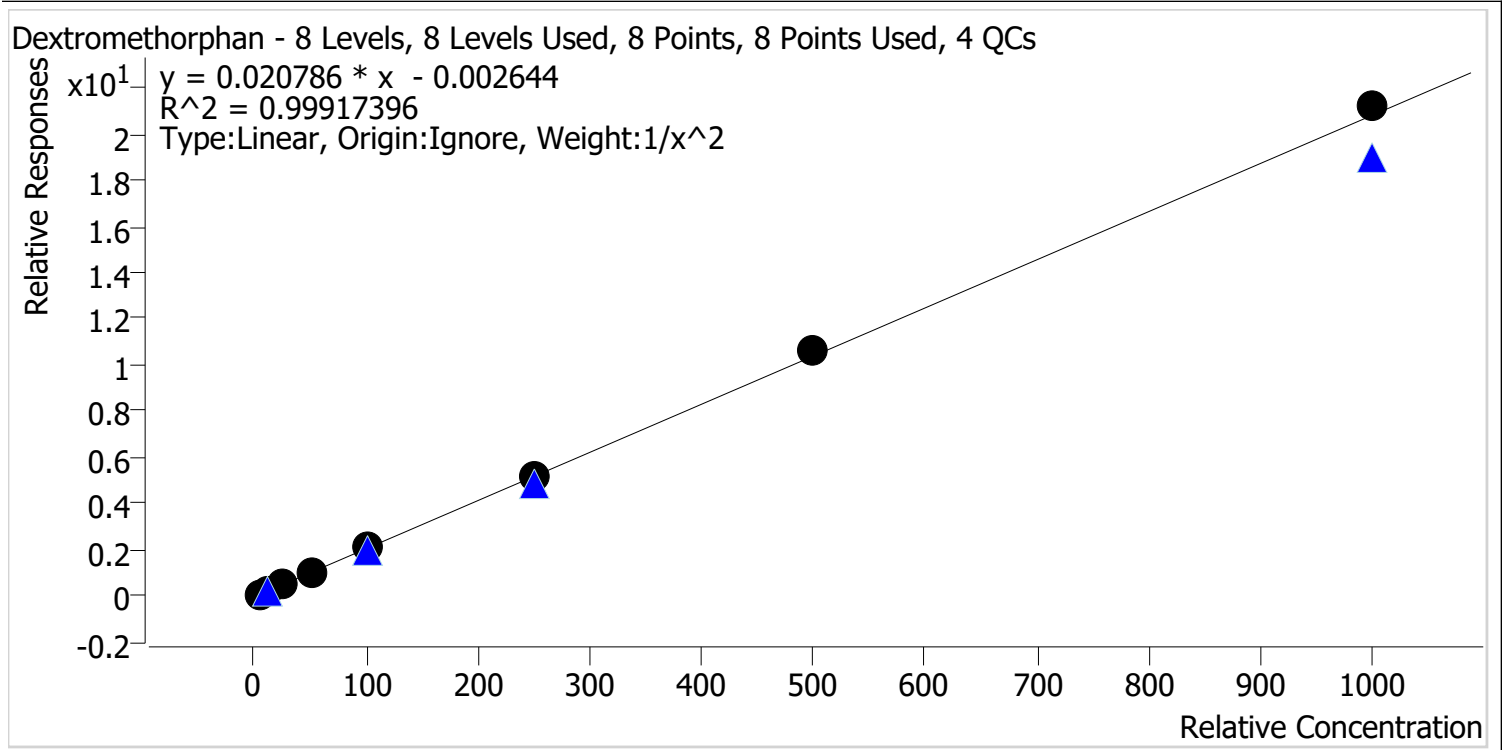
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	510.1	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1018.9	101.9

QTS



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

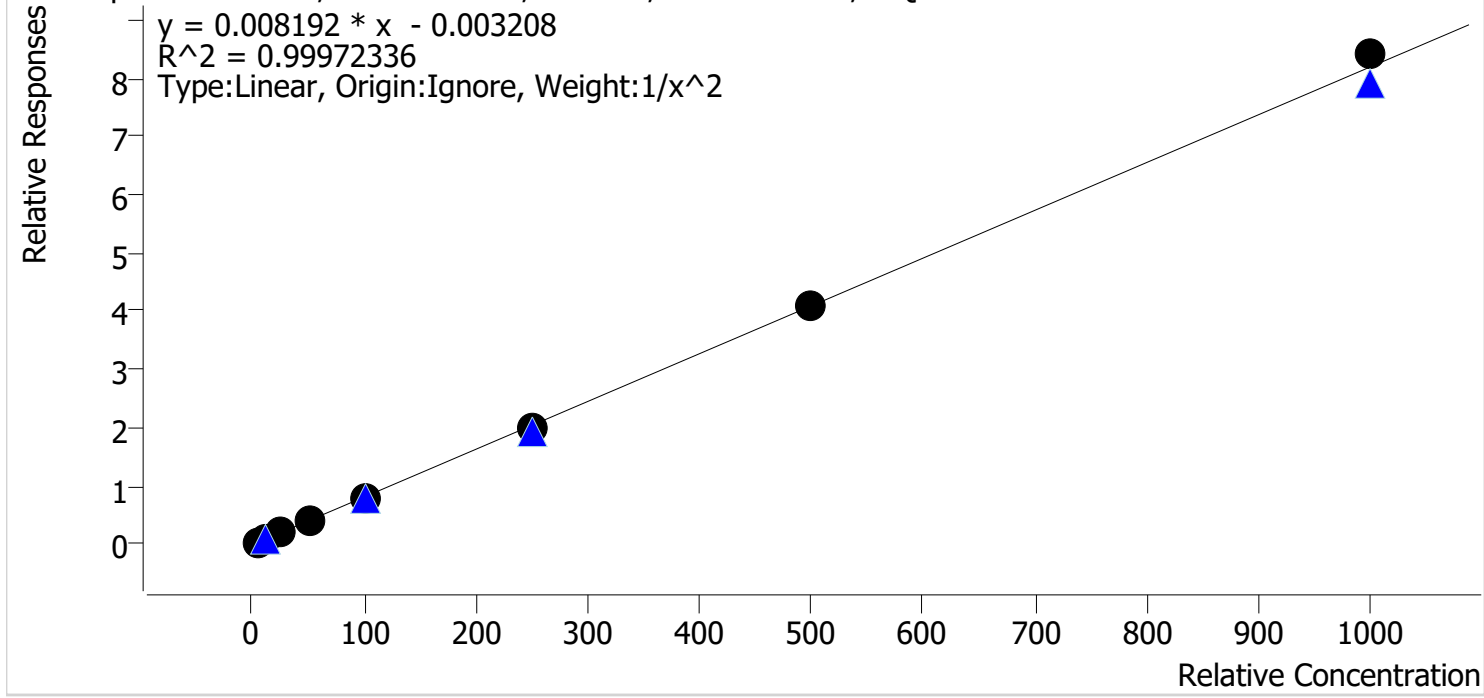
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	499.5	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1026.7	102.7

Q TS



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

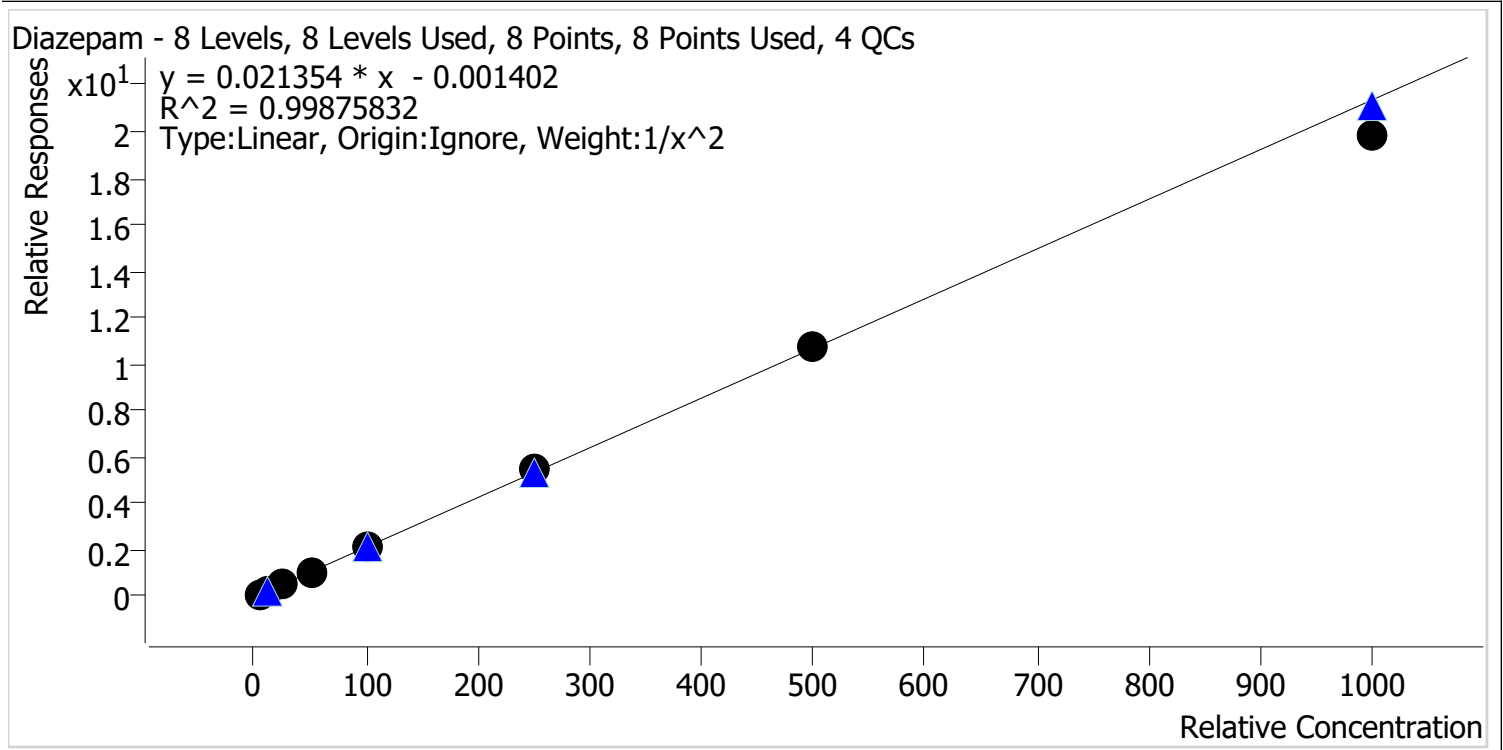
**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Diazepam

**Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	505.9	101.2
p1 Cal 8-1000ng	8	✓	1000.0	928.6	92.9

TS



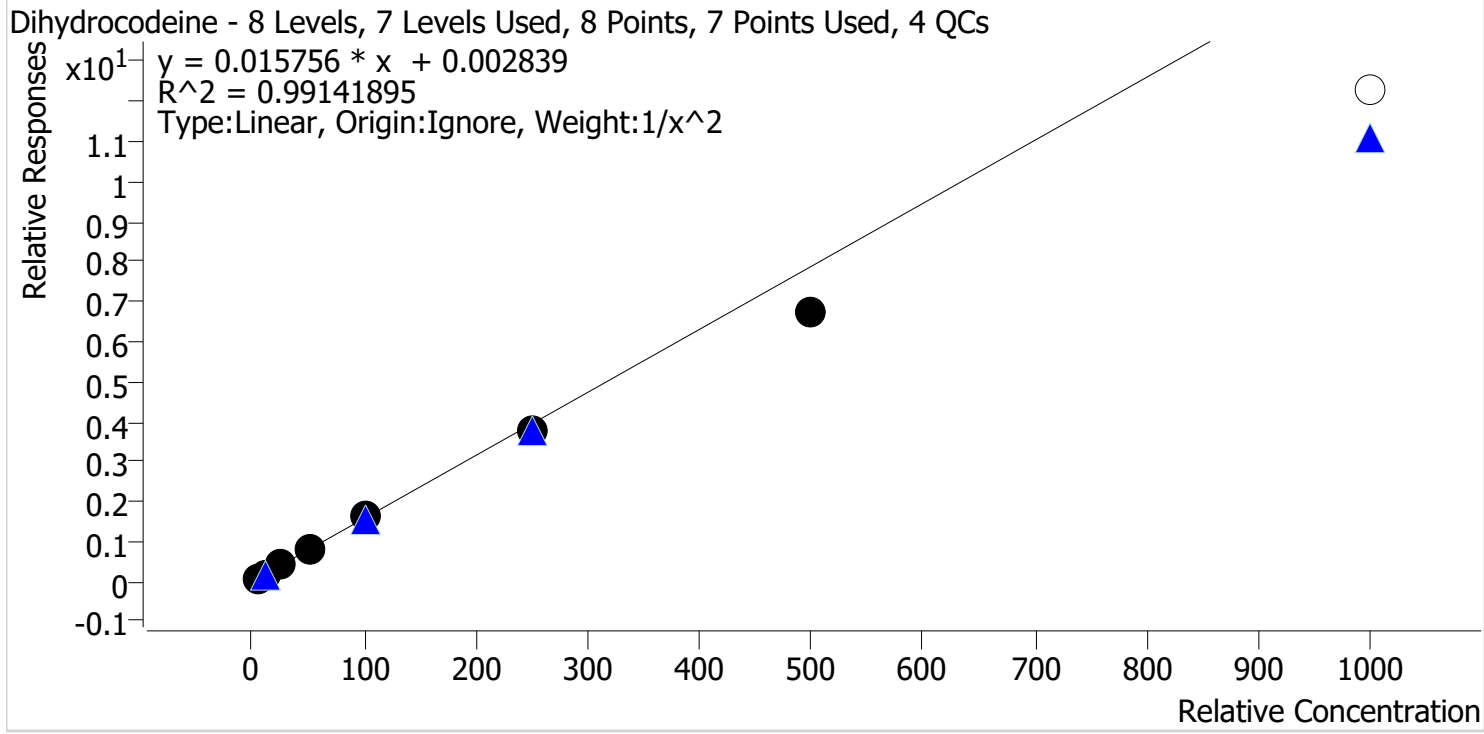
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	241.2	96.5
p1 Cal 7-500ng	7	✓	500.0	427.7	85.5
p1 Cal 8-1000ng	8	x	1000.0	779.4	77.9

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

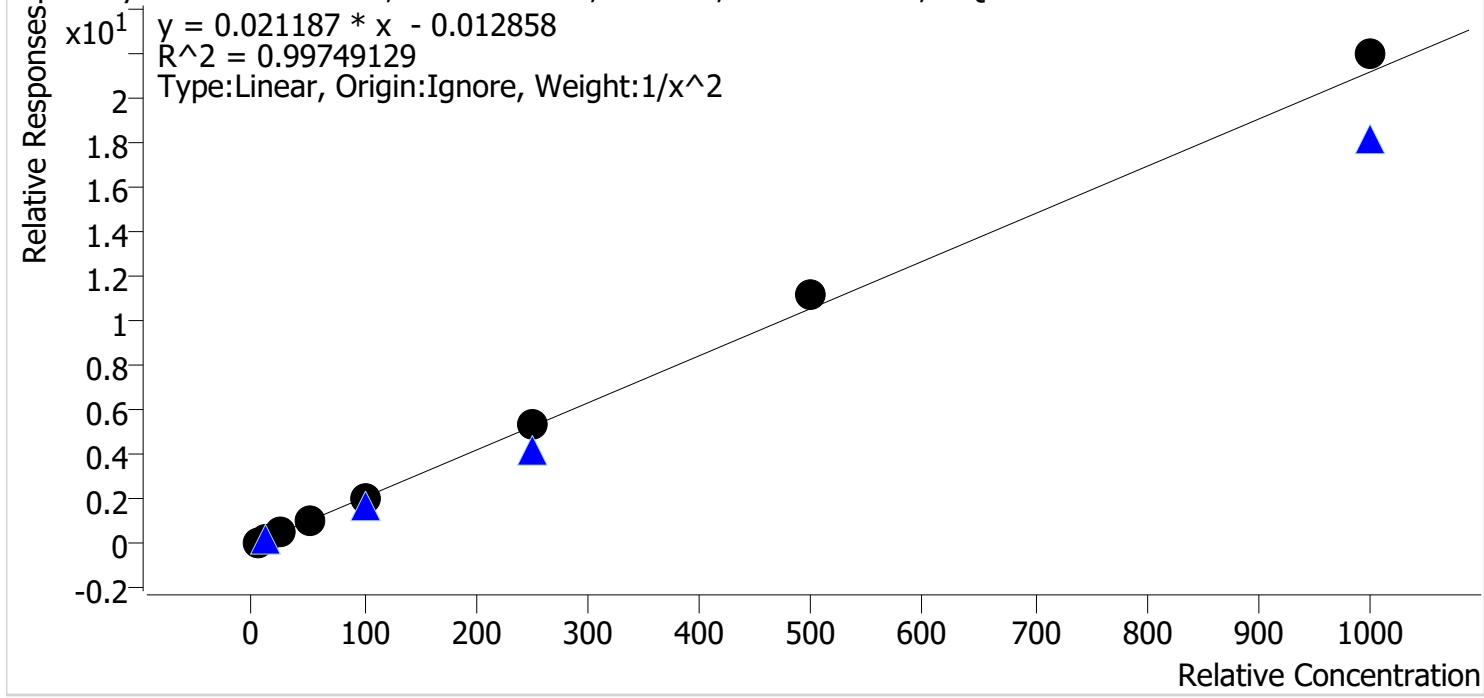
**Analyst Name** ISP\datastor

**Analyte** Diphenhydramine

**Internal Standard**

Diphenhydramine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.6
p1 Cal 4-50ng	4	✓	50.0	47.7	95.3
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	532.6	106.5
p1 Cal 8-1000ng	8	✓	1000.0	1037.3	103.7

TS



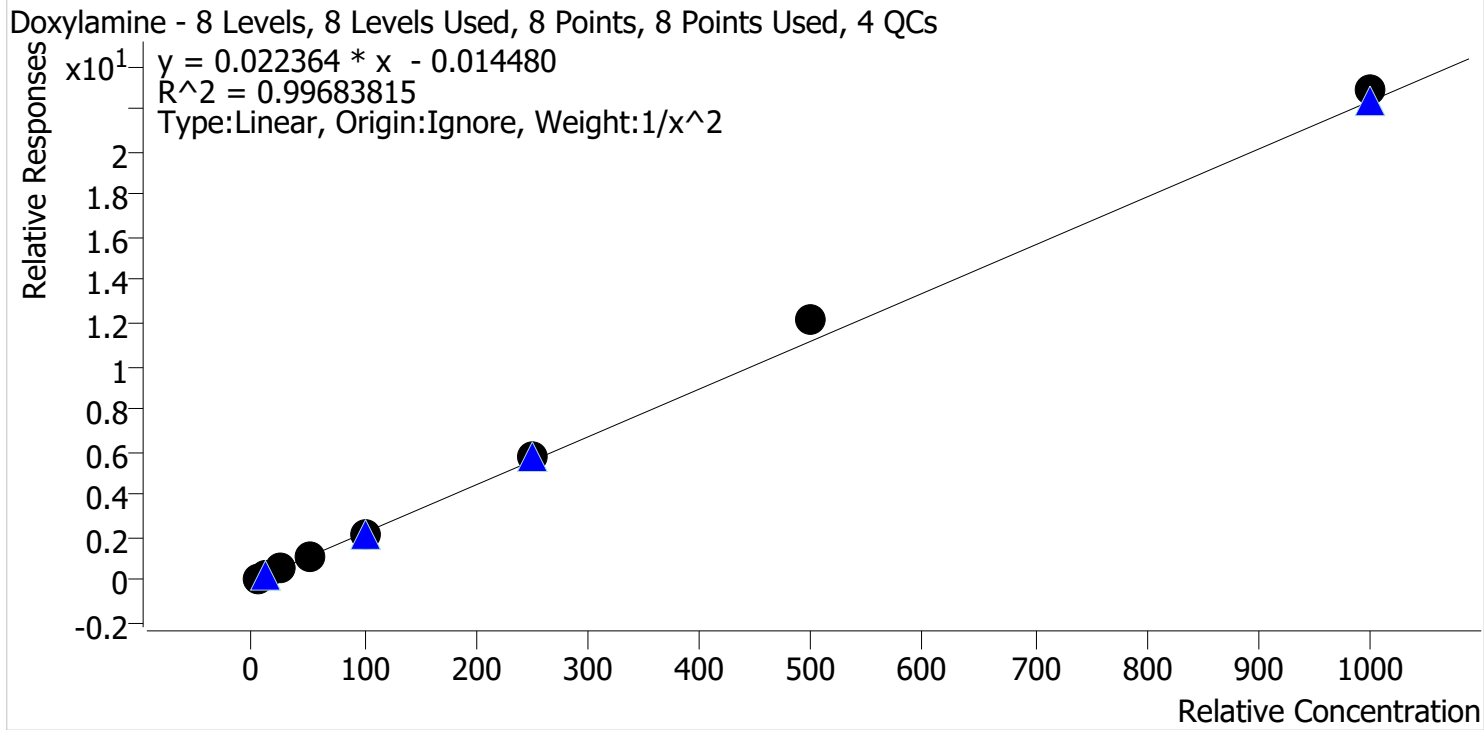
# AM #28 Multi-Drug Quant. Calibration Curve Report

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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	47.3	94.5
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	257.4	103.0
p1 Cal 7-500ng	7	✓	500.0	542.3	108.5
p1 Cal 8-1000ng	8	✓	1000.0	1022.8	102.3



CS TS



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

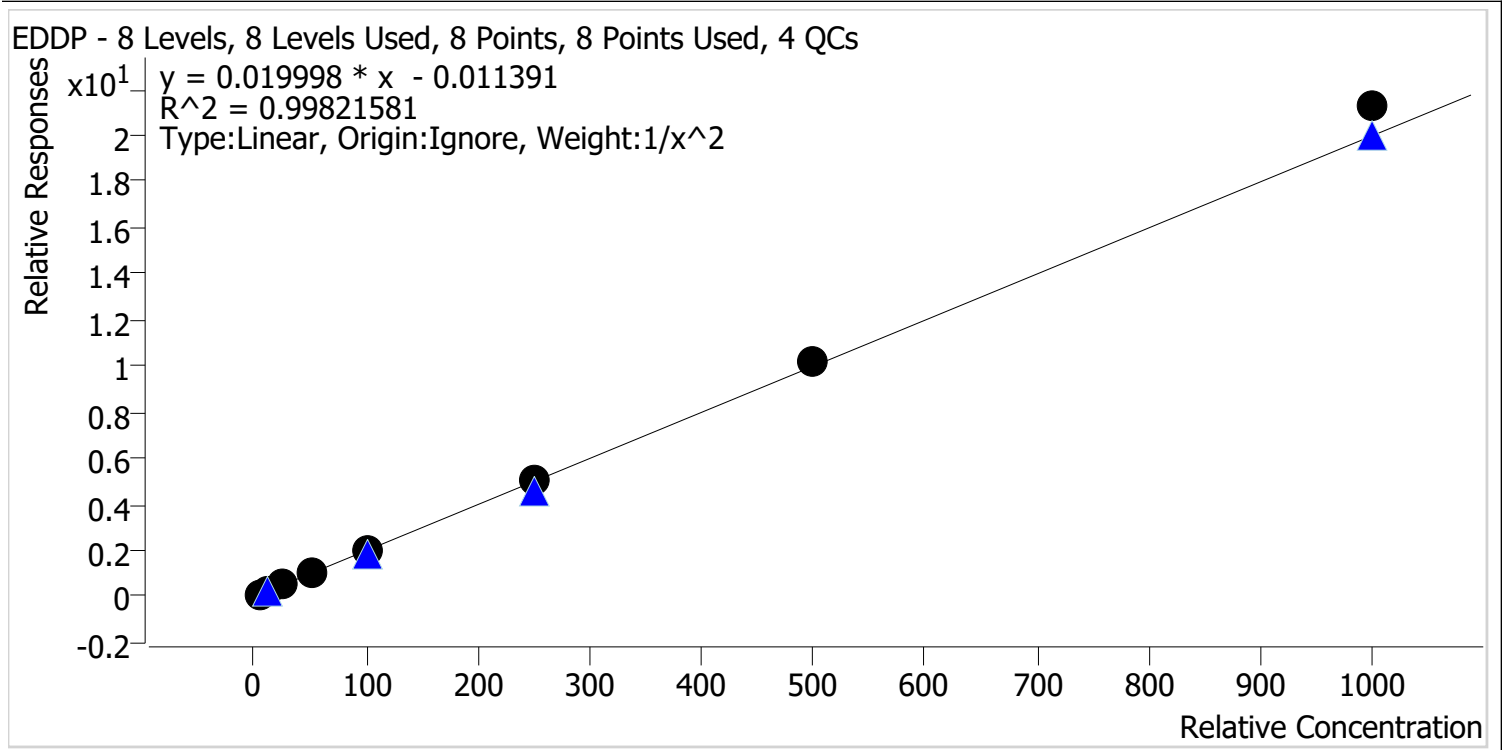
**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** EDDP

**Internal Standard** EDDP-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	511.9	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1064.0	106.4

TS



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

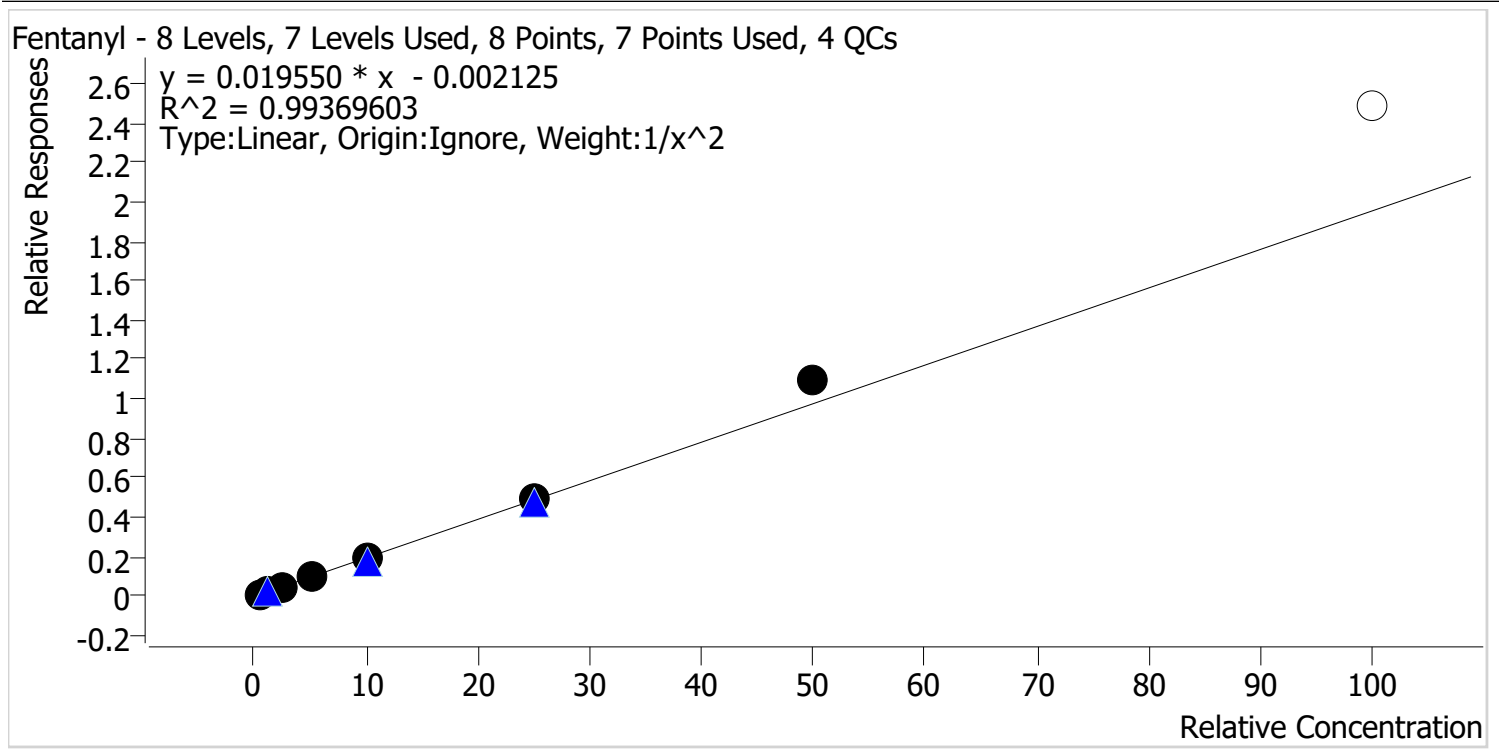
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**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	104.8
p1 Cal 2-10ng	2	✓	1.0	0.9	93.6
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.9
p1 Cal 4-50ng	4	✓	5.0	4.8	95.1
p1 Cal 5-100ng	5	✓	10.0	9.8	98.1
p1 Cal 6-250ng	6	✓	25.0	25.7	102.8
p1 Cal 7-500ng	7	✓	50.0	55.8	111.6
p1 Cal 8-1000ng	8	x	100.0	127.1	127.1

CS TS



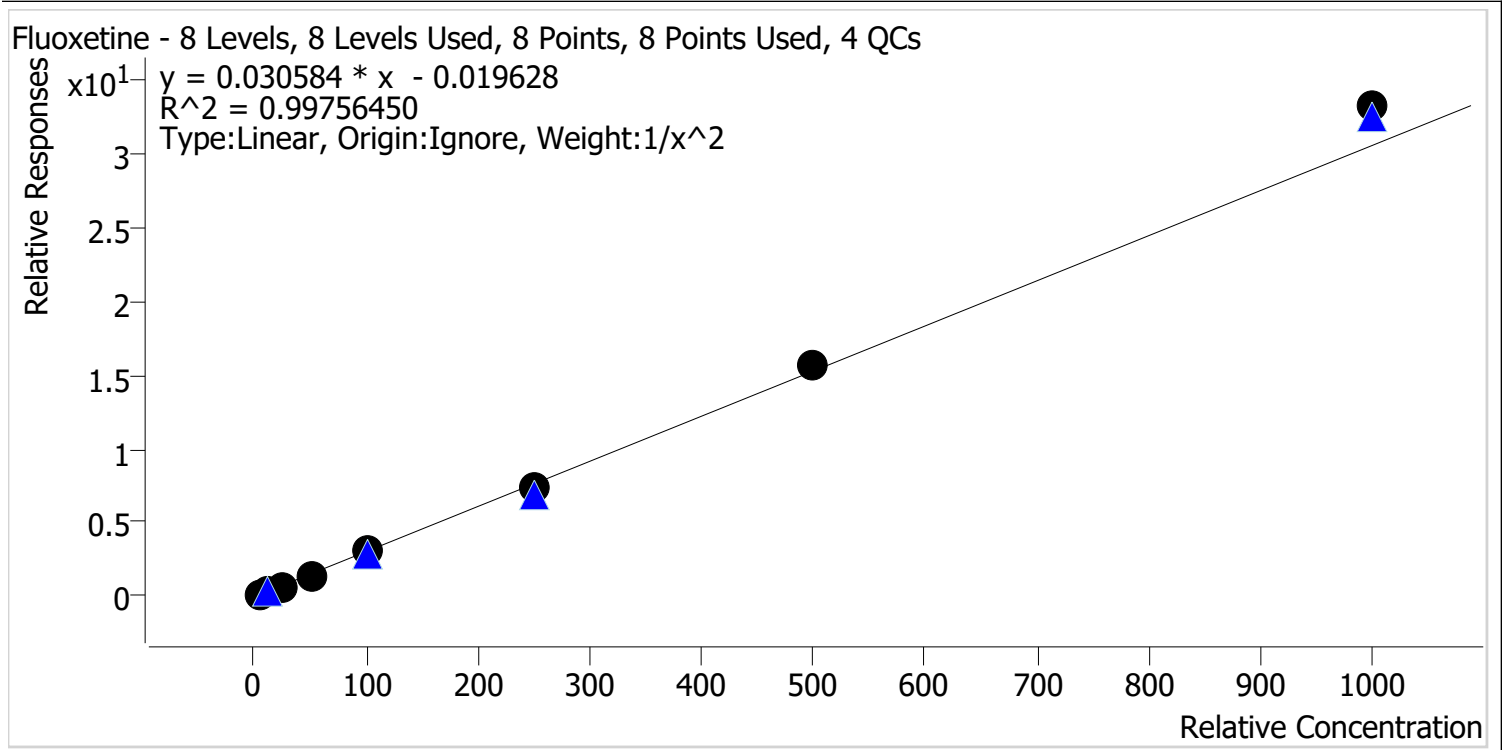
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	511.0	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1086.9	108.7

TS



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

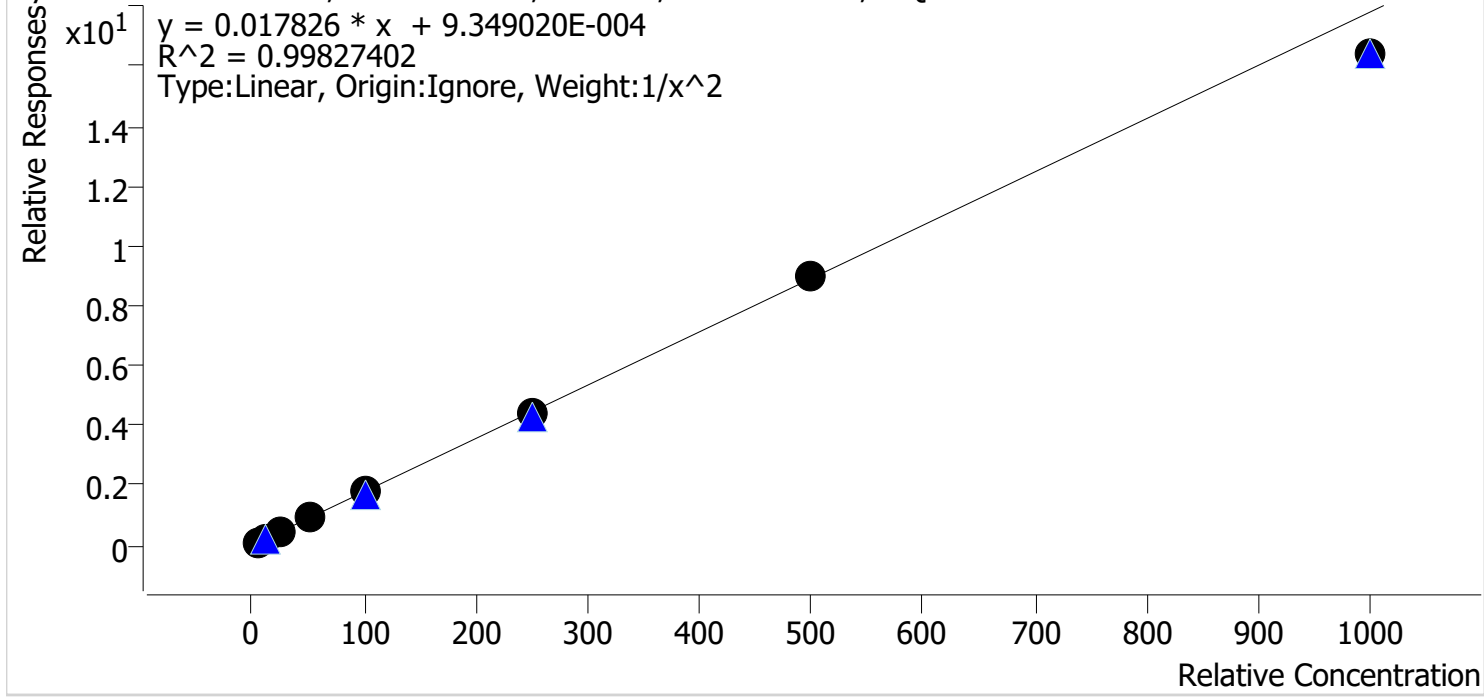
**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	501.3	100.3
p1 Cal 8-1000ng	8	✓	1000.0	920.7	92.1

TS



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

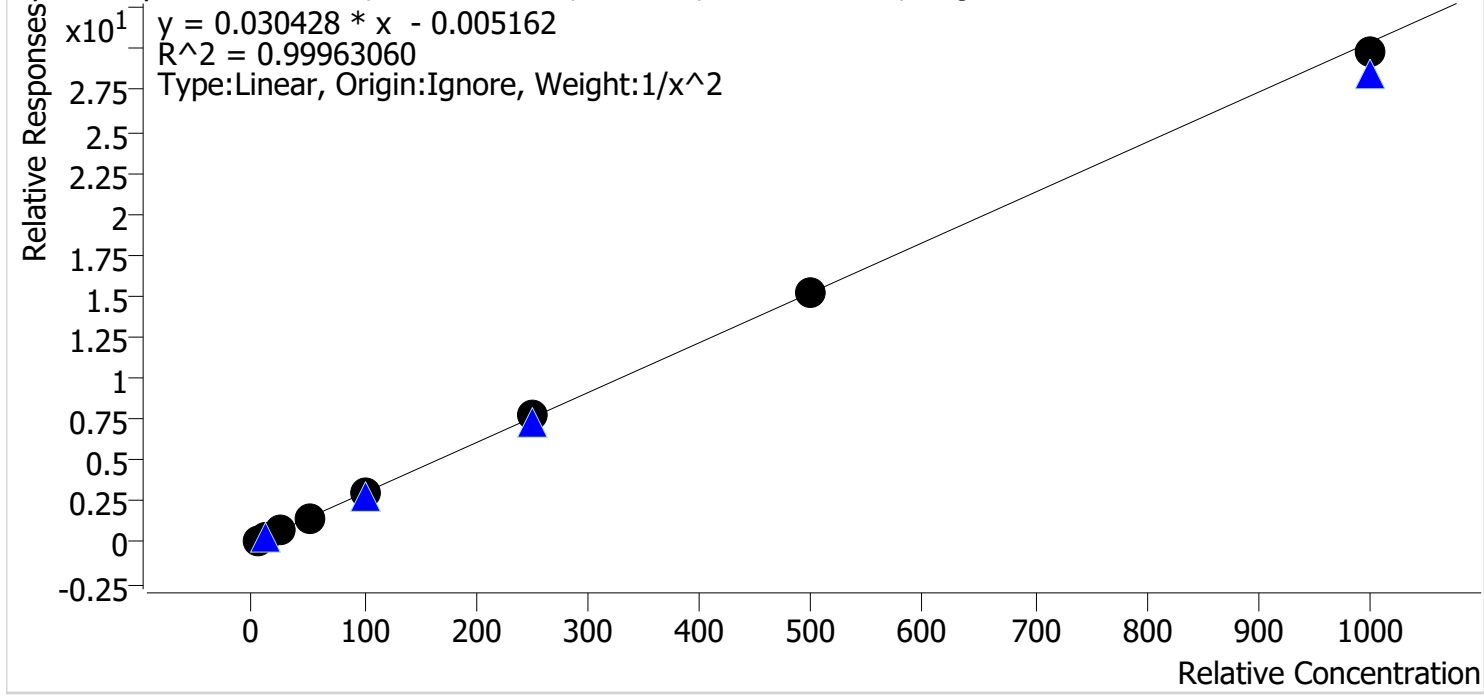
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	979.9	98.0

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

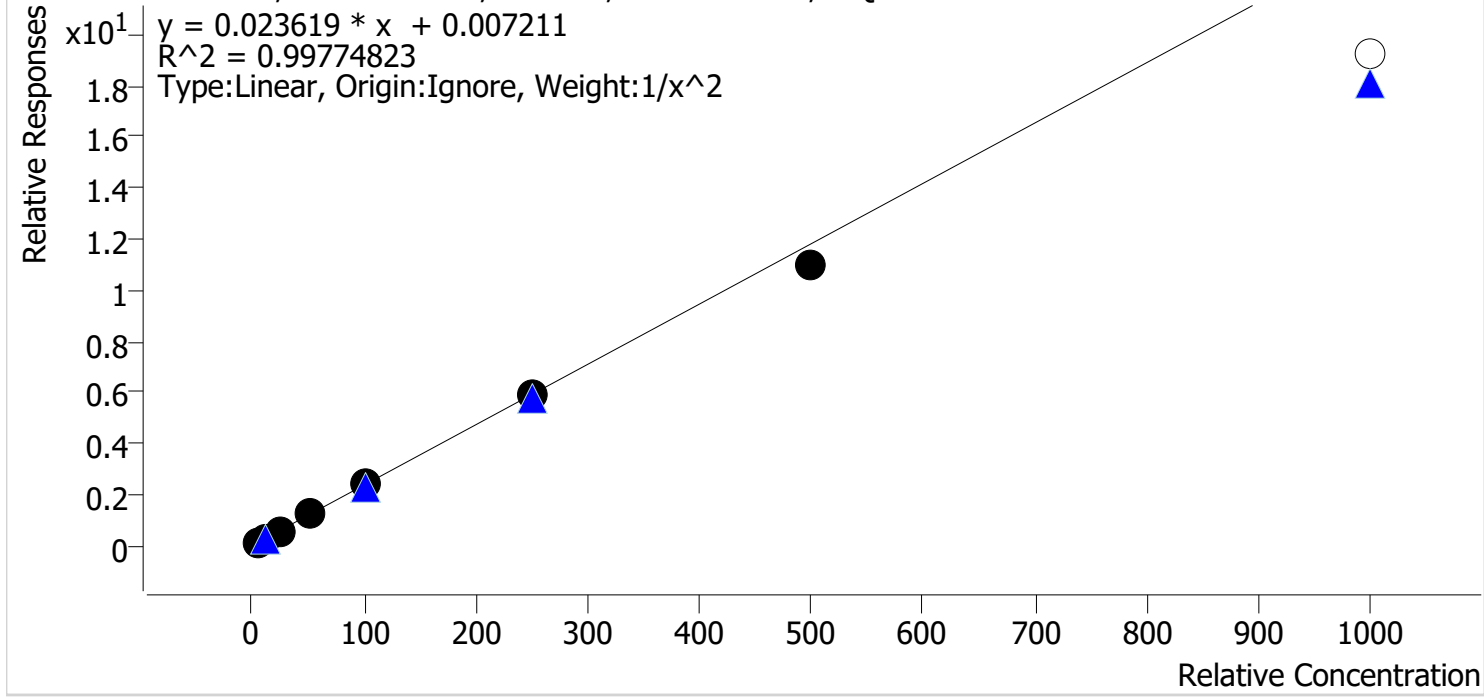
**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Ketamine

**Internal Standard** Ketamine-D4

Ketamine - 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	97.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	463.3	92.7
p1 Cal 8-1000ng	8	x	1000.0	814.0	81.4

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

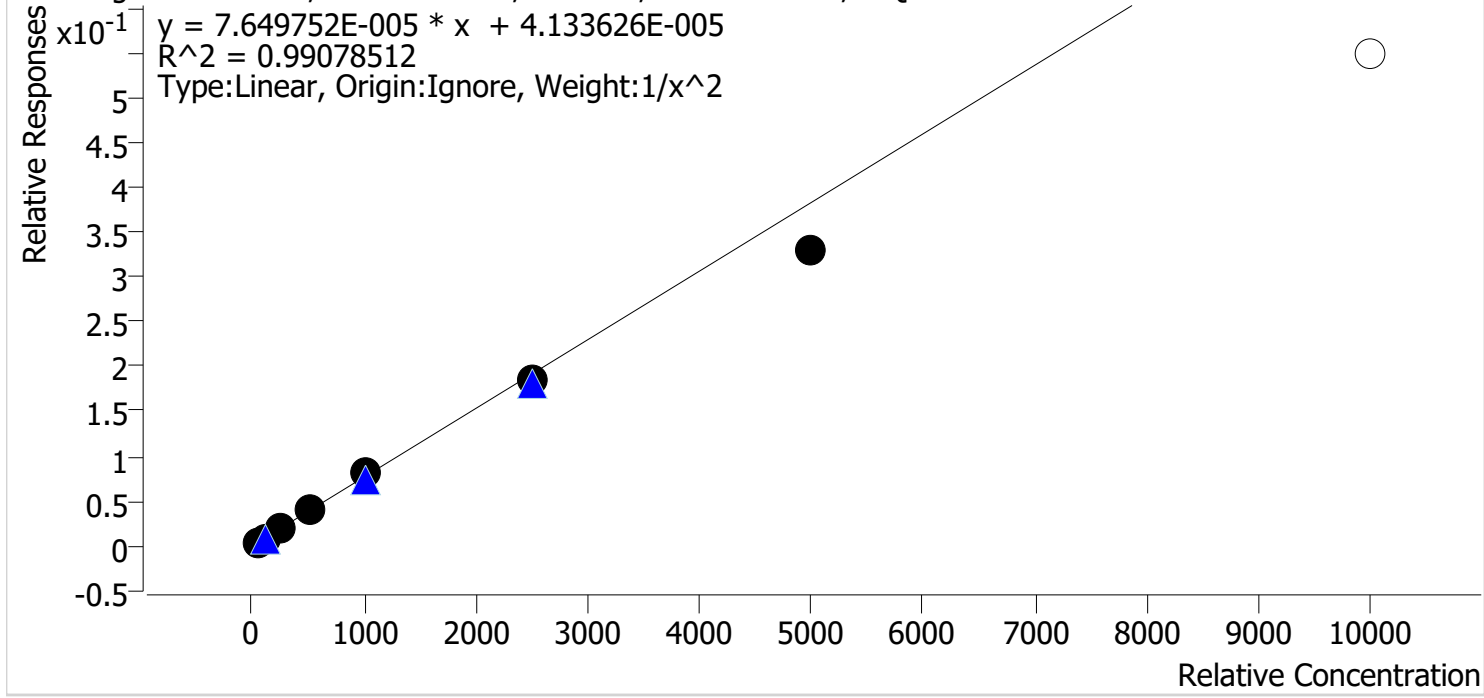
**Analyst Name** ISP\datastor

**Analyte** Lamotrigine

**Internal Standard**

Pseudoephedrine-D3

Lamotrigine - 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	✓	50.0	47.0	94.1
p1 Cal 2-10ng	2	✓	100.0	109.1	109.1
p1 Cal 3 -25ng	3	✓	250.0	258.9	103.6
p1 Cal 4-50ng	4	✓	500.0	532.2	106.4
p1 Cal 5-100ng	5	✓	1000.0	1039.9	104.0
p1 Cal 6-250ng	6	✓	2500.0	2424.4	97.0
p1 Cal 7-500ng	7	✓	5000.0	4290.8	85.8
p1 Cal 8-1000ng	8	x	10000.0	7159.2	71.6

CS TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

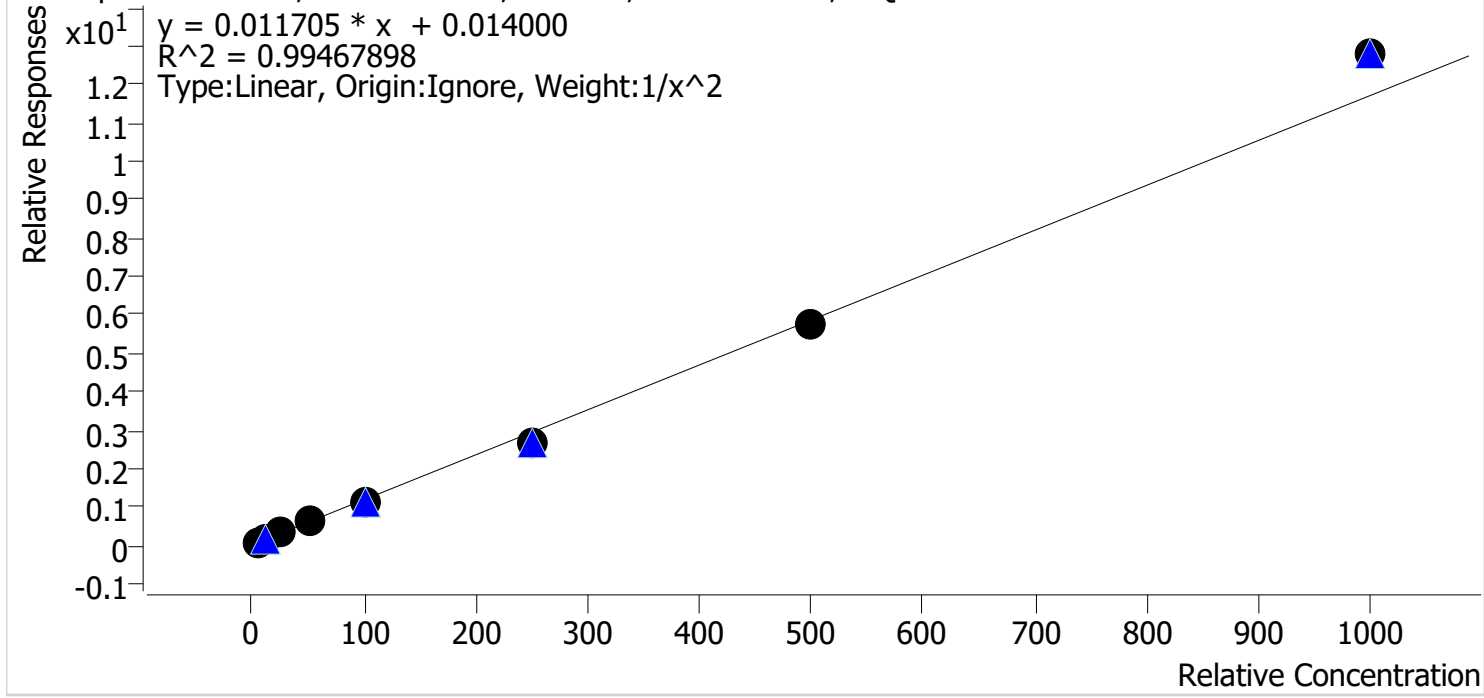
**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Lorazepam

**Internal Standard** Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.9	108.8
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	227.5	91.0
p1 Cal 7-500ng	7	✓	500.0	489.9	98.0
p1 Cal 8-1000ng	8	✓	1000.0	1090.4	109.0



CS TS



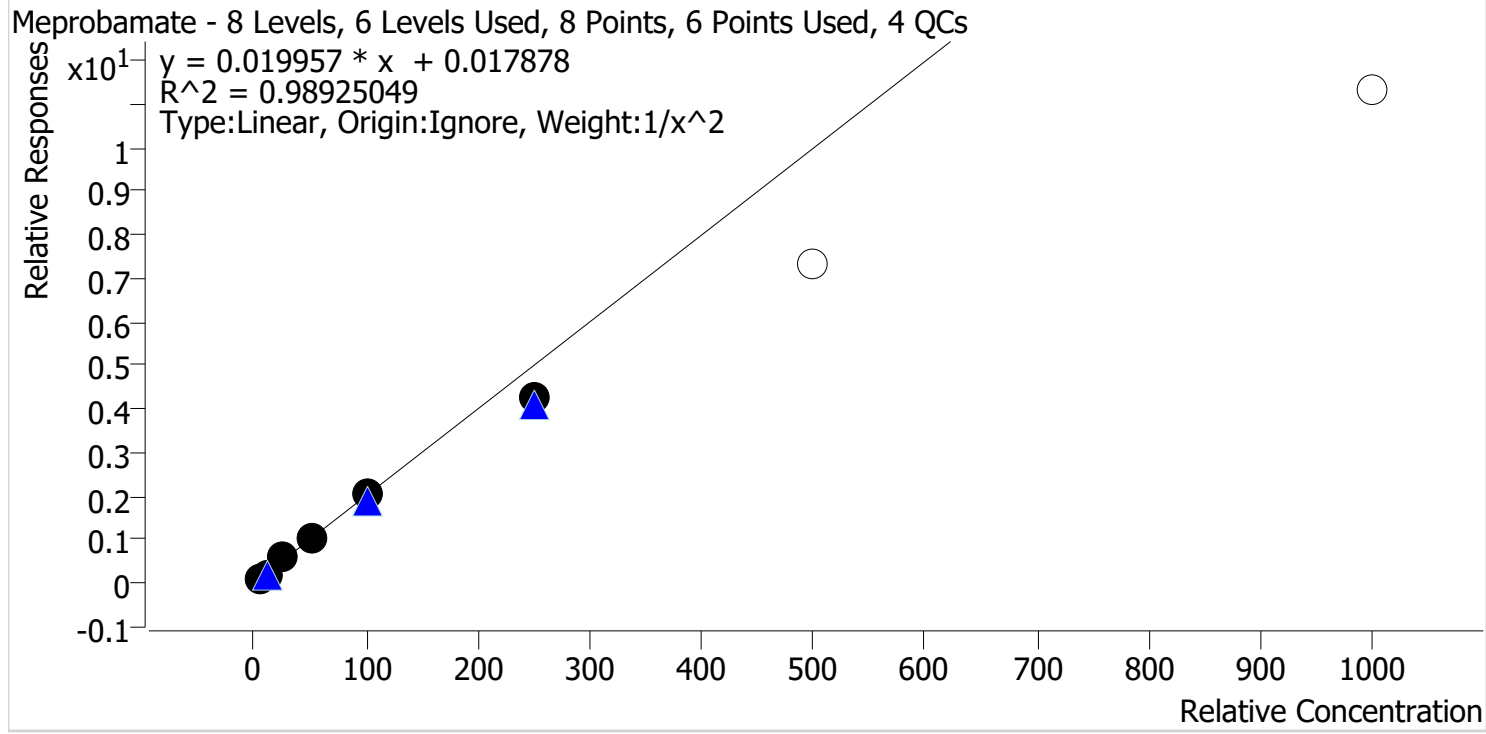
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	27.7	110.8
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	213.5	85.4
p1 Cal 7-500ng	7	✗	500.0	365.9	73.2
p1 Cal 8-1000ng	8	✗	1000.0	566.7	56.7

TS



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

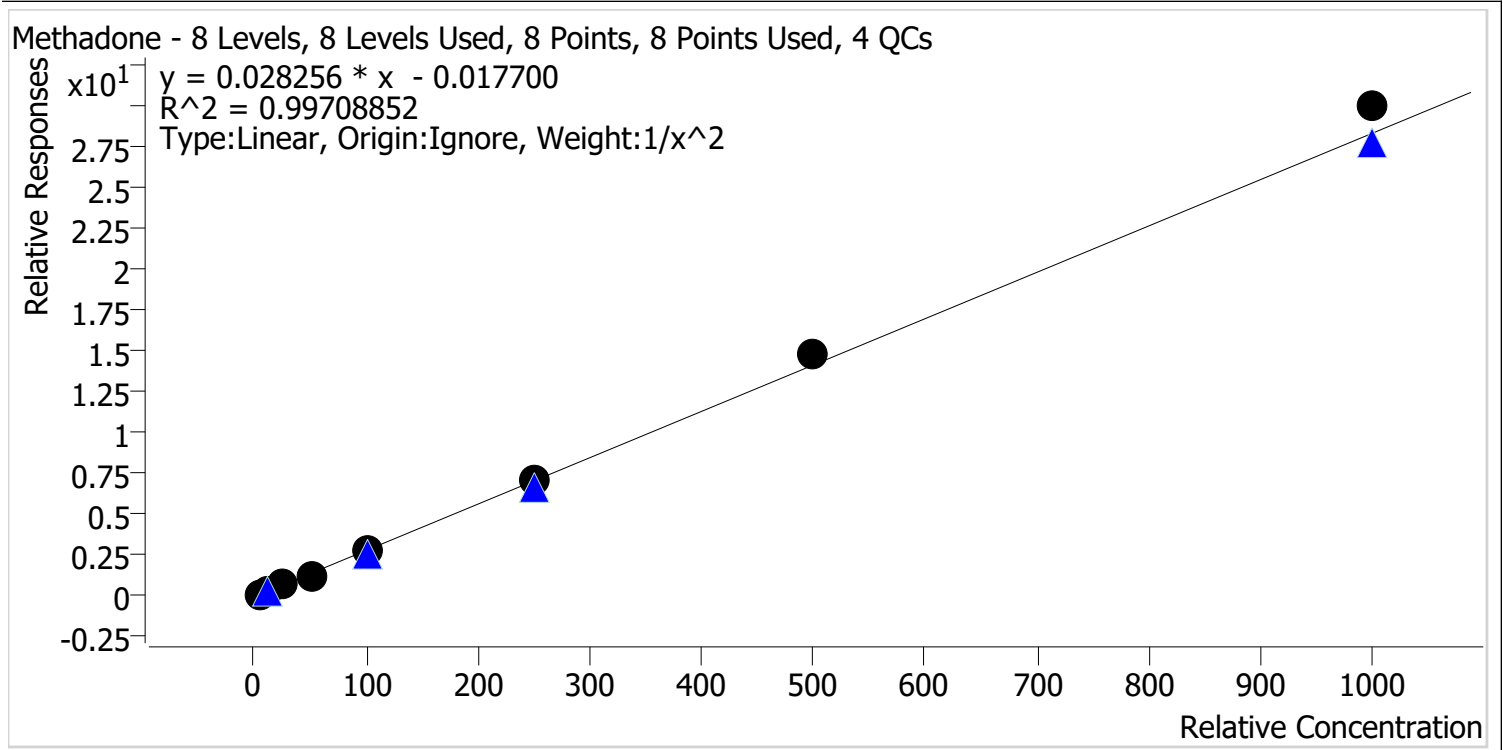
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Methadone

**Internal Standard** Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.5	95.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	47.3	94.5
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	527.4	105.5
p1 Cal 8-1000ng	8	✓	1000.0	1058.4	105.8

TS



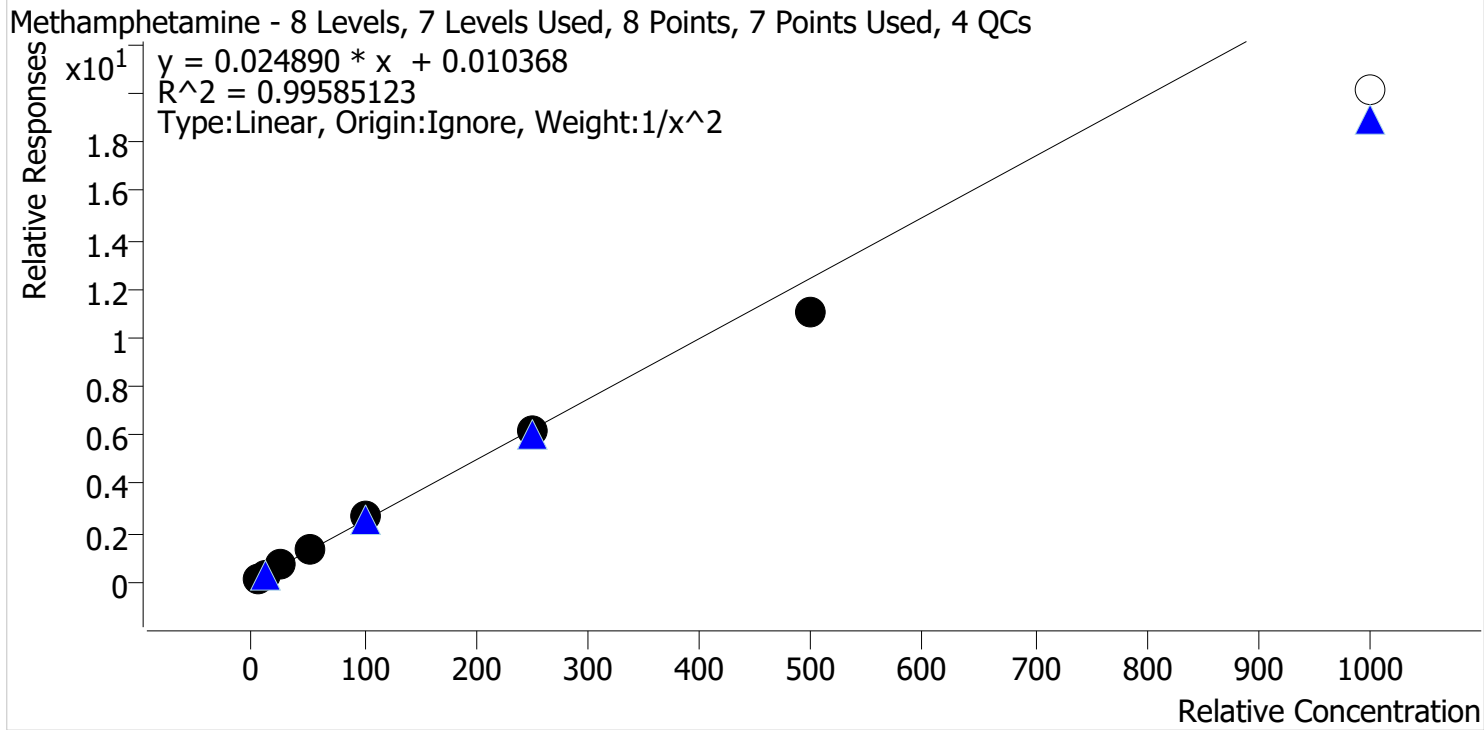
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	51.4	102.9
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	443.4	88.7
p1 Cal 8-1000ng	8	x	1000.0	809.0	80.9

CS TS



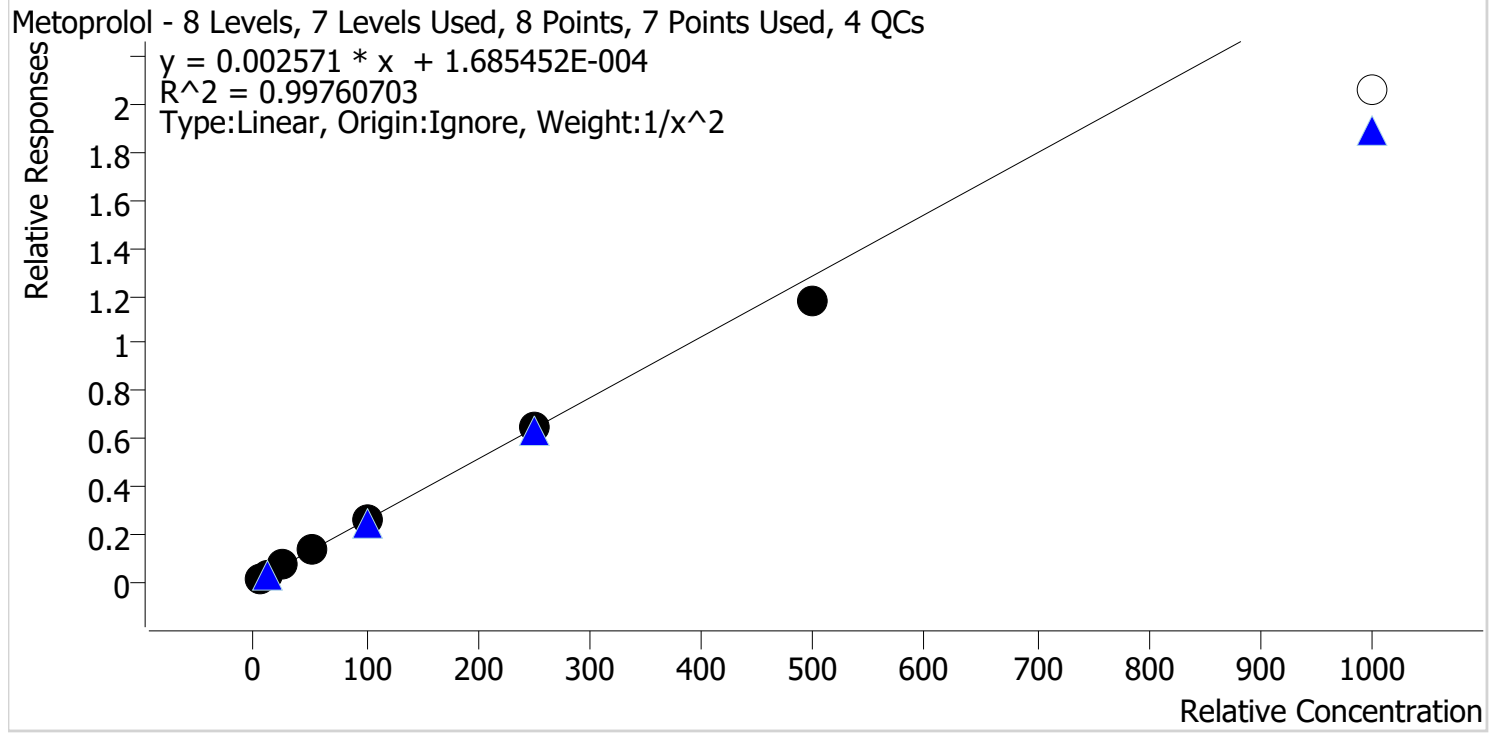
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	460.4	92.1
p1 Cal 8-1000ng	8	x	1000.0	802.8	80.3

CS TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
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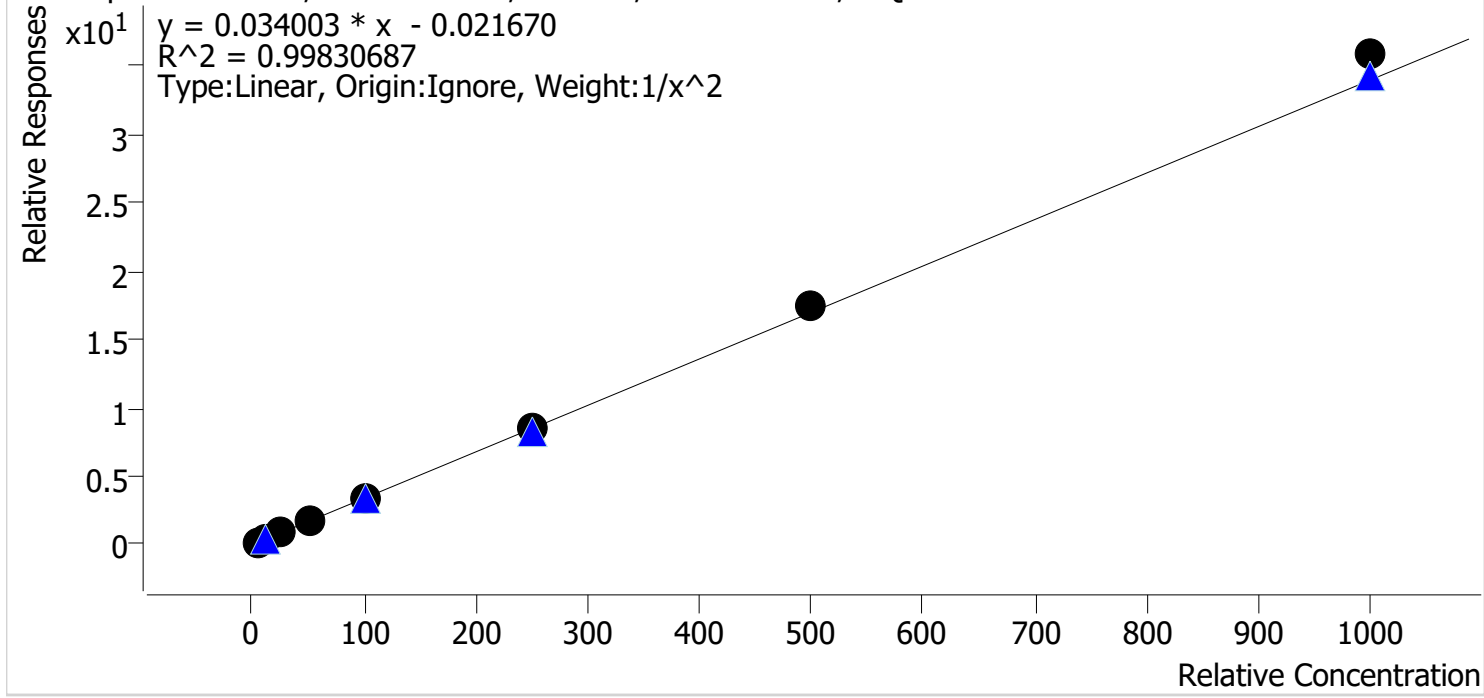
**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Mirtazapine

**Internal Standard** alpha-PVP-D8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	516.9	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1055.6	105.6

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
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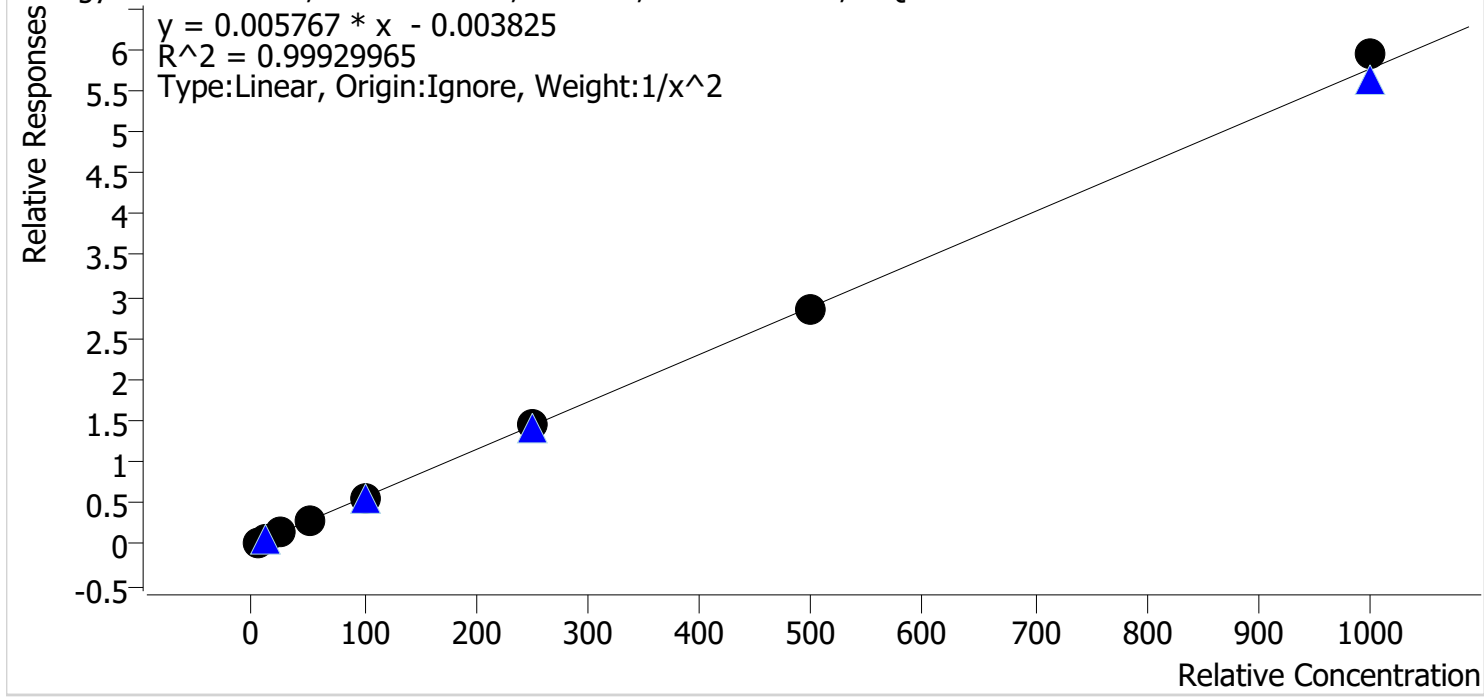
**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Mitragynine

**Internal Standard** Methadone-D9

Mitragynine - 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	102.3
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	494.5	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1030.6	103.1

ES TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
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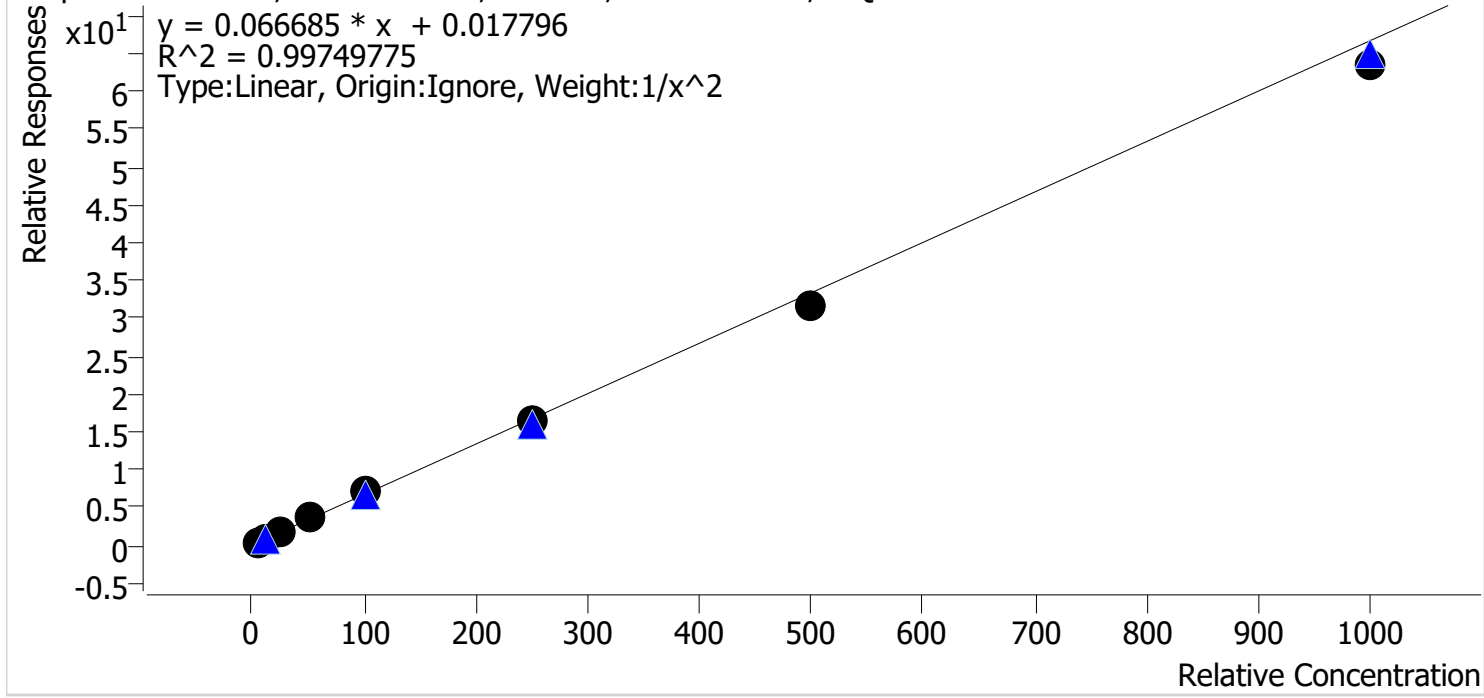
**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Morphine

**Internal Standard** Morphine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	477.1	95.4
p1 Cal 8-1000ng	8	✓	1000.0	950.3	95.0

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

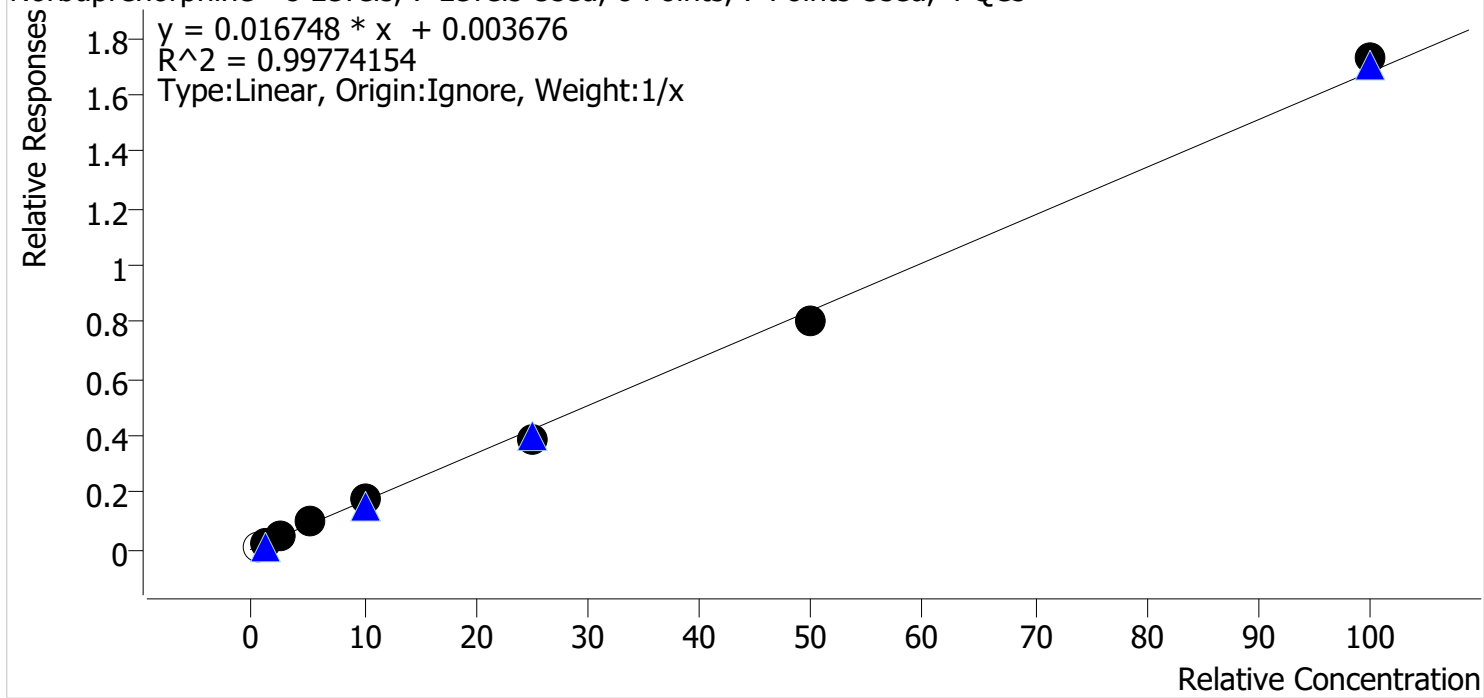
**Analyst Name** ISP\datastor

**Analyte** Norbuprenorphine

**Internal Standard**

Norbuprenorphine-D3

Norbuprenorphine - 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	x	0.5	0.5	96.1
p1 Cal 2-10ng	2	✓	1.0	0.9	92.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.4
p1 Cal 4-50ng	4	✓	5.0	5.6	111.7
p1 Cal 5-100ng	5	✓	10.0	10.3	103.1
p1 Cal 6-250ng	6	✓	25.0	23.2	92.7
p1 Cal 7-500ng	7	✓	50.0	48.1	96.2
p1 Cal 8-1000ng	8	✓	100.0	102.9	102.9



TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

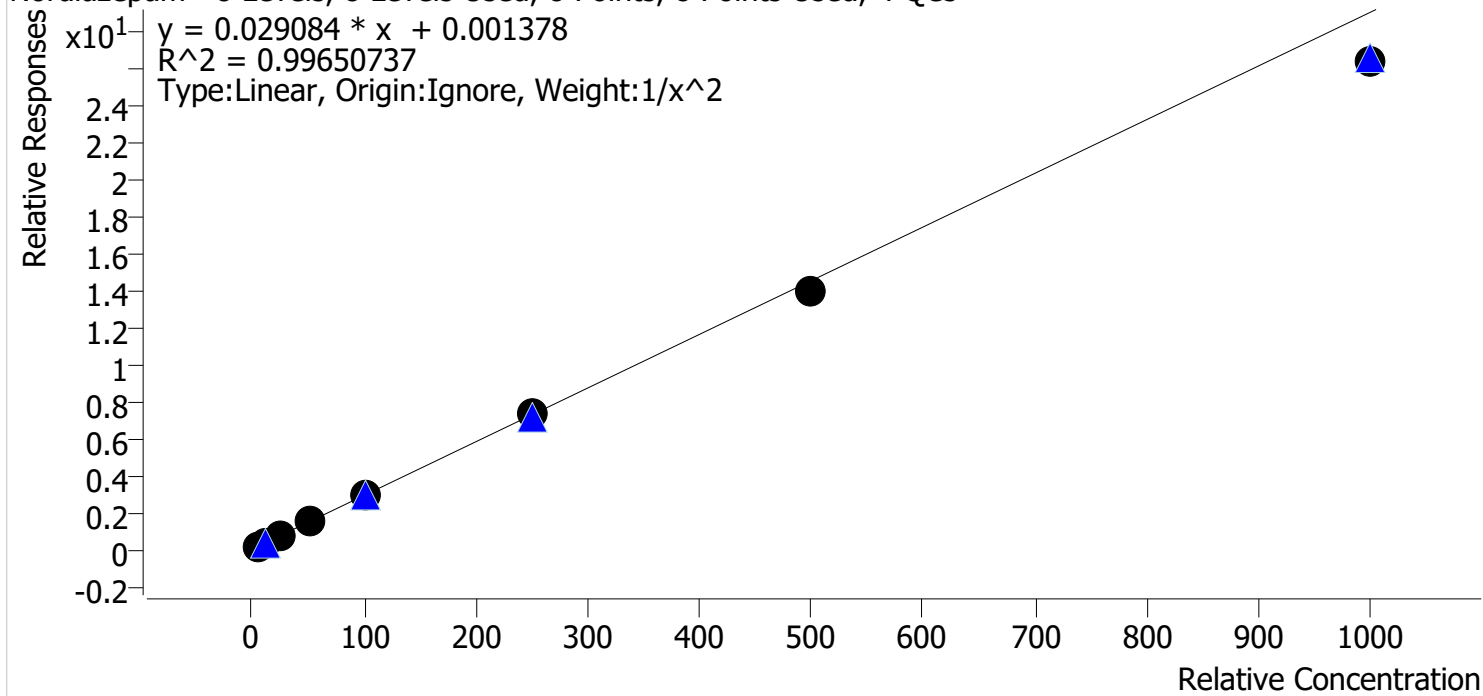
**Analyst Name** ISP\datastor

**Analyte** Nordiazepam

**Internal Standard**

Nordiazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	482.4	96.5
p1 Cal 8-1000ng	8	✓	1000.0	907.5	90.7

QTS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

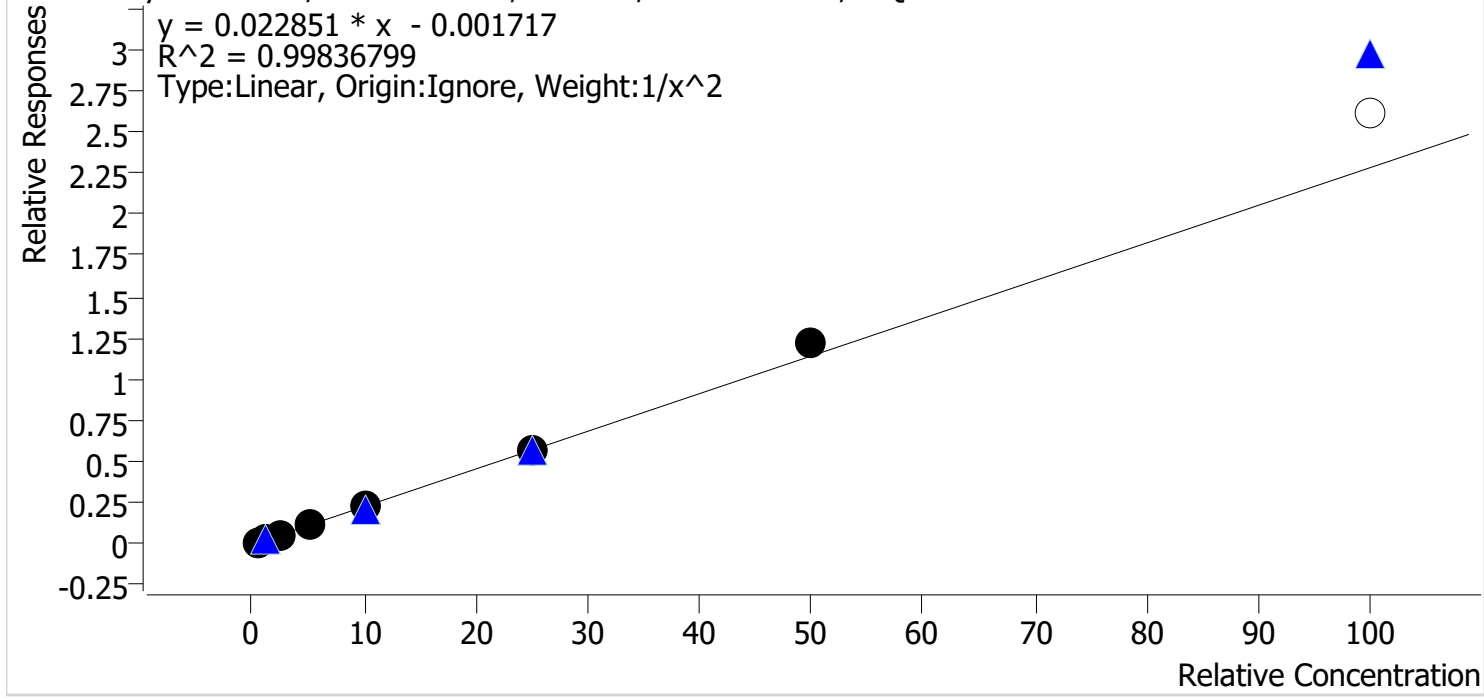
**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Norfentanyl

**Internal Standard** Norfentanyl-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.0
p1 Cal 2-10ng	2	✓	1.0	1.0	99.4
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.3
p1 Cal 4-50ng	4	✓	5.0	4.8	96.0
p1 Cal 5-100ng	5	✓	10.0	9.8	97.6
p1 Cal 6-250ng	6	✓	25.0	25.2	100.9
p1 Cal 7-500ng	7	✓	50.0	53.3	106.6
p1 Cal 8-1000ng	8	x	100.0	114.1	114.1

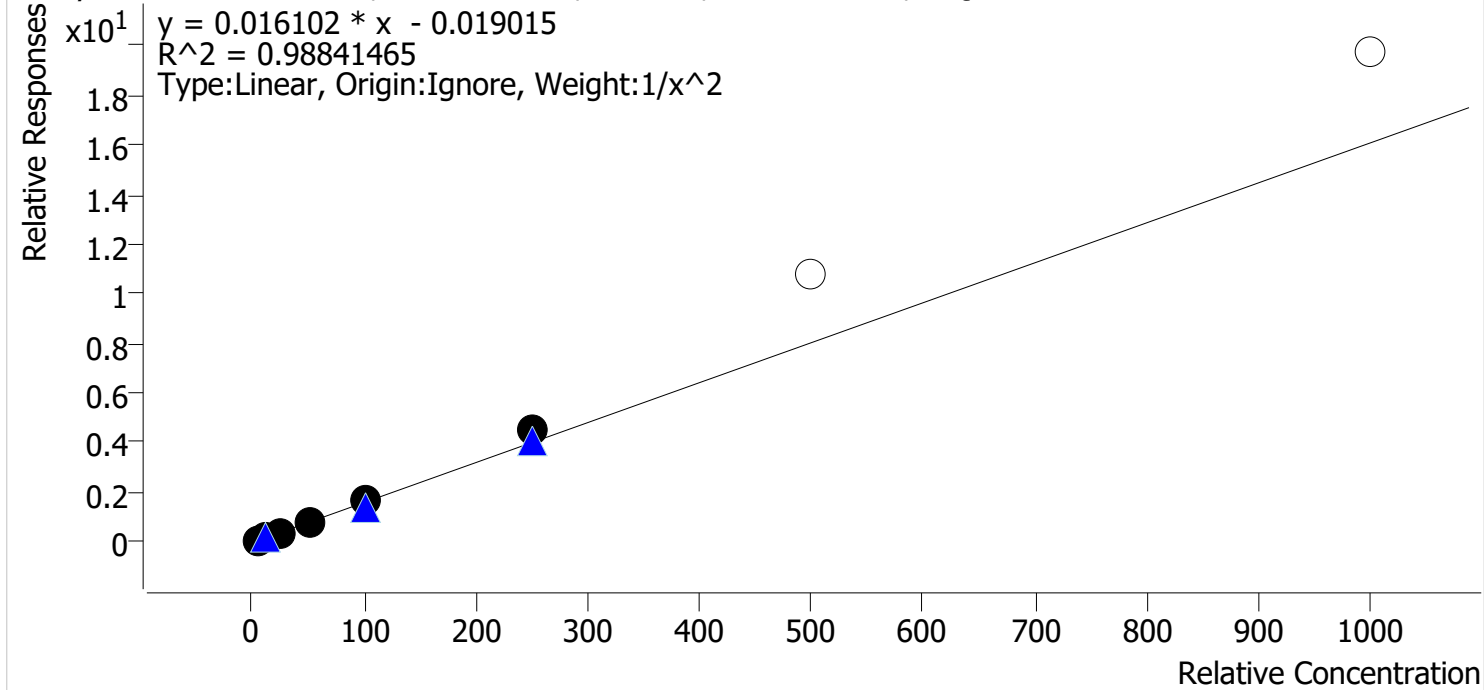
TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin  
**Last Cal. Update** 1/16/2024 1:40 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	22.3	89.2
p1 Cal 4-50ng	4	✓	50.0	46.1	92.1
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	284.8	113.9
p1 Cal 7-500ng	7	x	500.0	674.9	135.0
p1 Cal 8-1000ng	8	x	1000.0	1227.0	122.7

TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

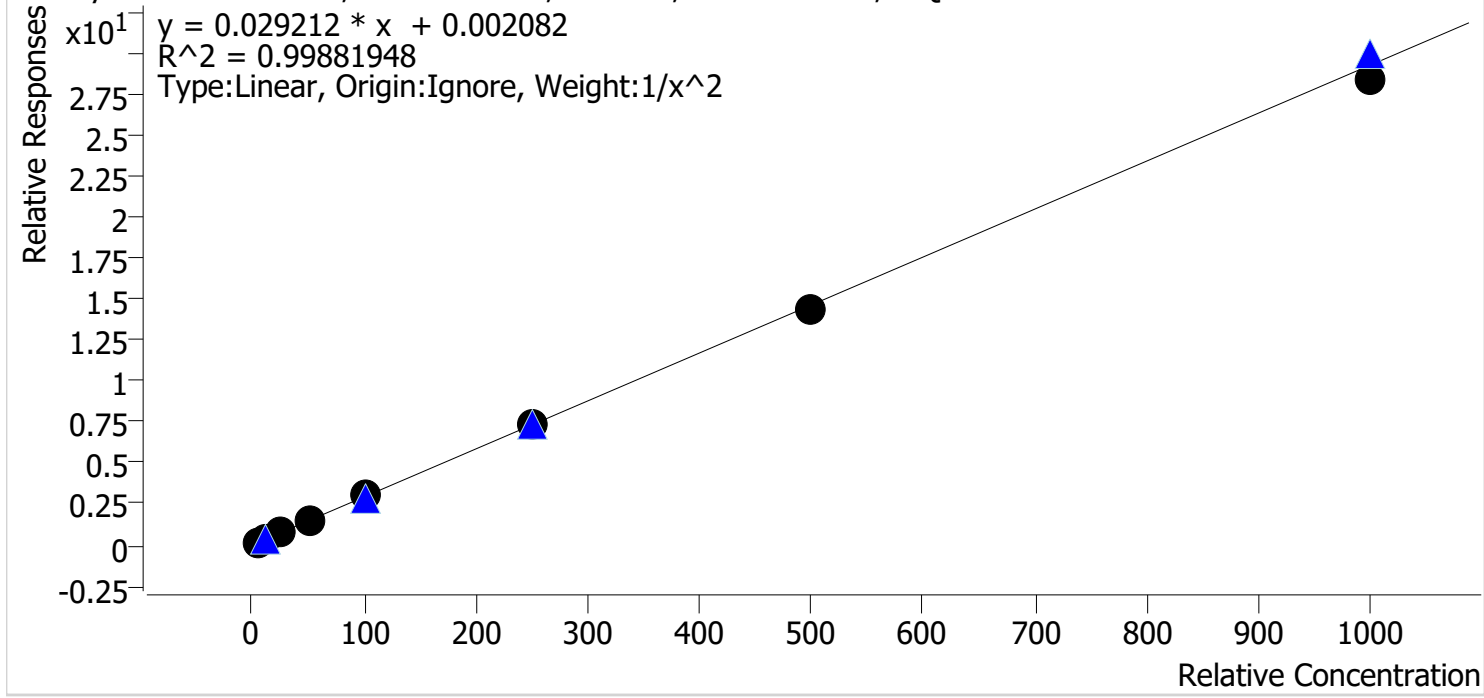
**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Noroxycodone

**Internal Standard** Noroxycodone-D3

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



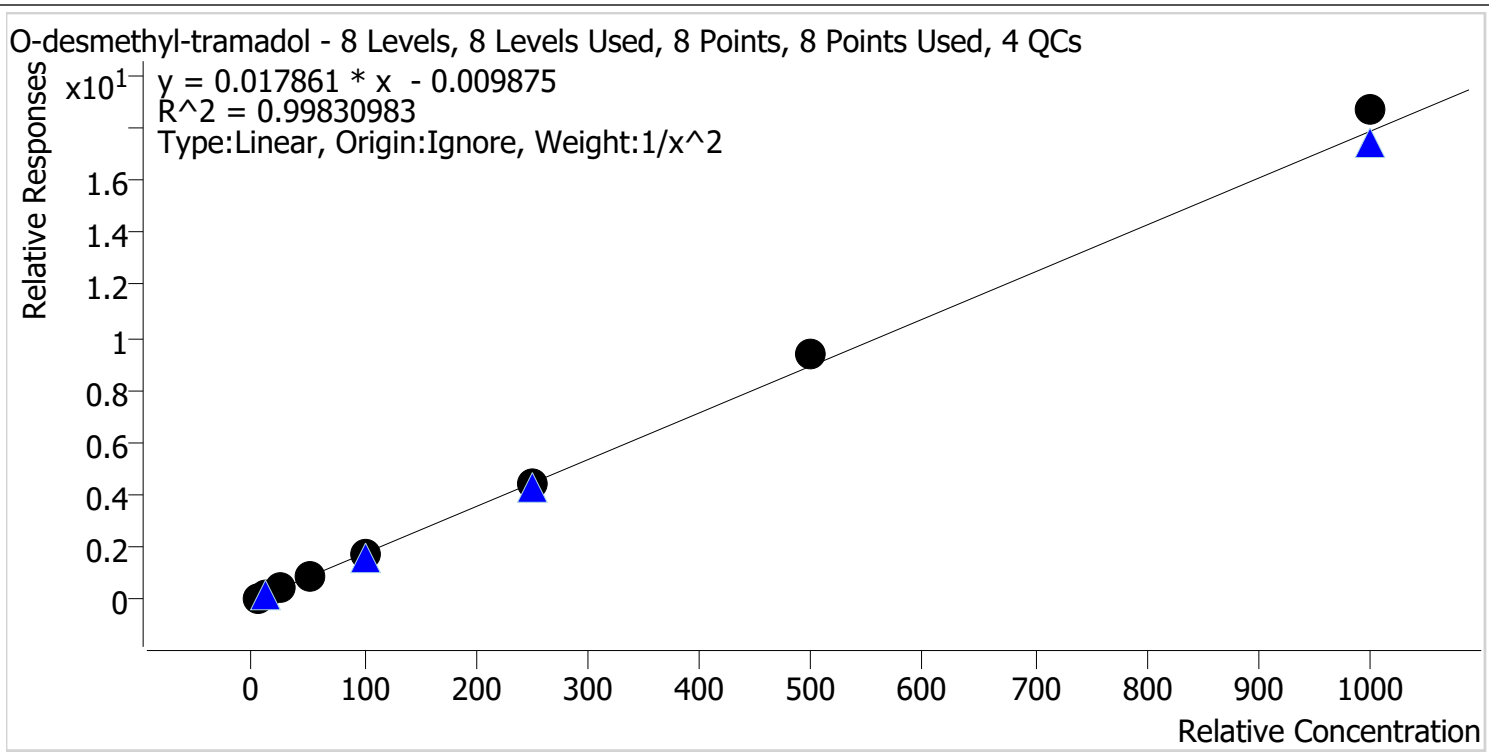
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.5	95.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	489.6	97.9
p1 Cal 8-1000ng	8	✓	1000.0	966.9	96.7

ES TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin  
**Last Cal. Update** 1/16/2024 1:40 PM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	48.6	97.3
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	523.0	104.6
p1 Cal 8-1000ng	8	✓	1000.0	1045.6	104.6

ES TS



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

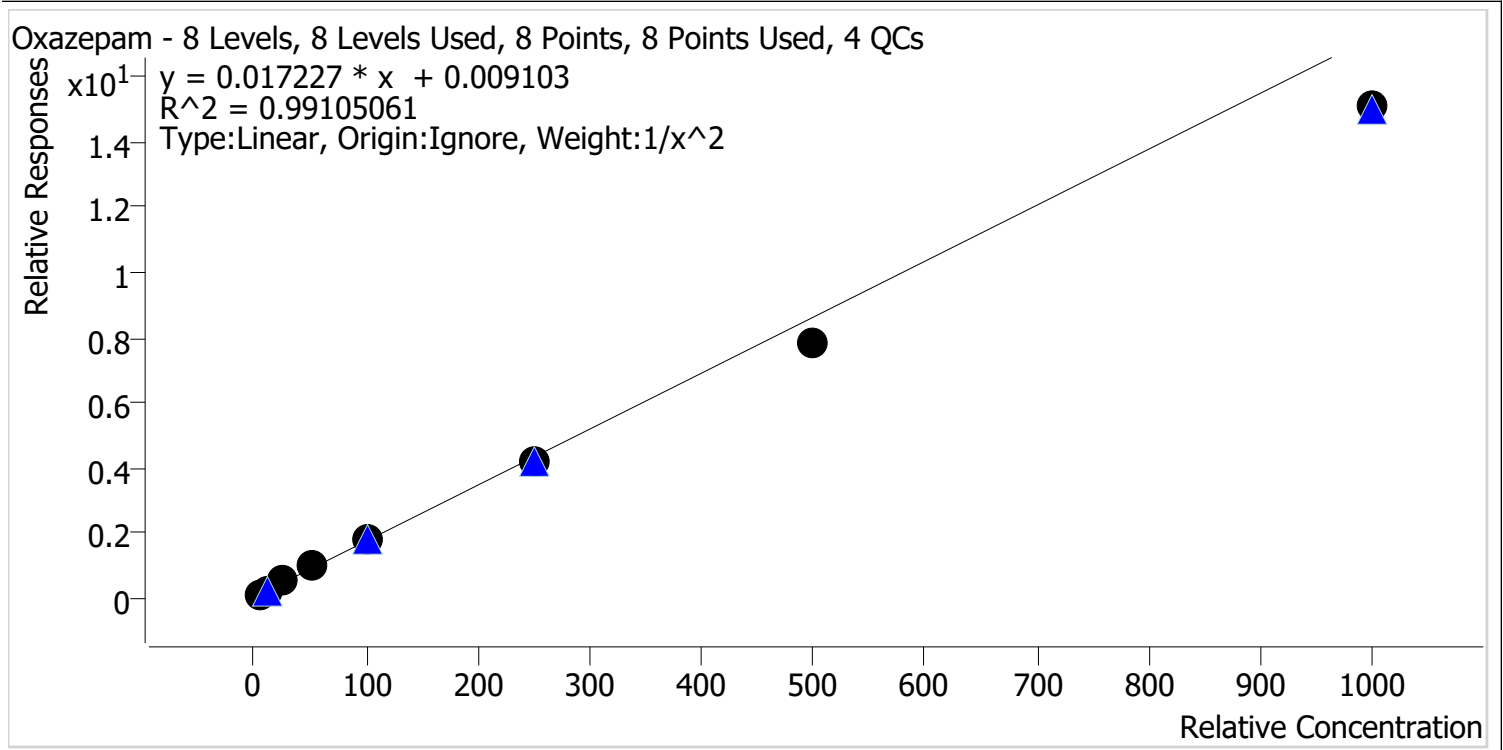
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**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	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.6
p1 Cal 4-50ng	4	✓	50.0	54.9	109.8
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	245.0	98.0
p1 Cal 7-500ng	7	✓	500.0	454.9	91.0
p1 Cal 8-1000ng	8	✓	1000.0	876.7	87.7

TS



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

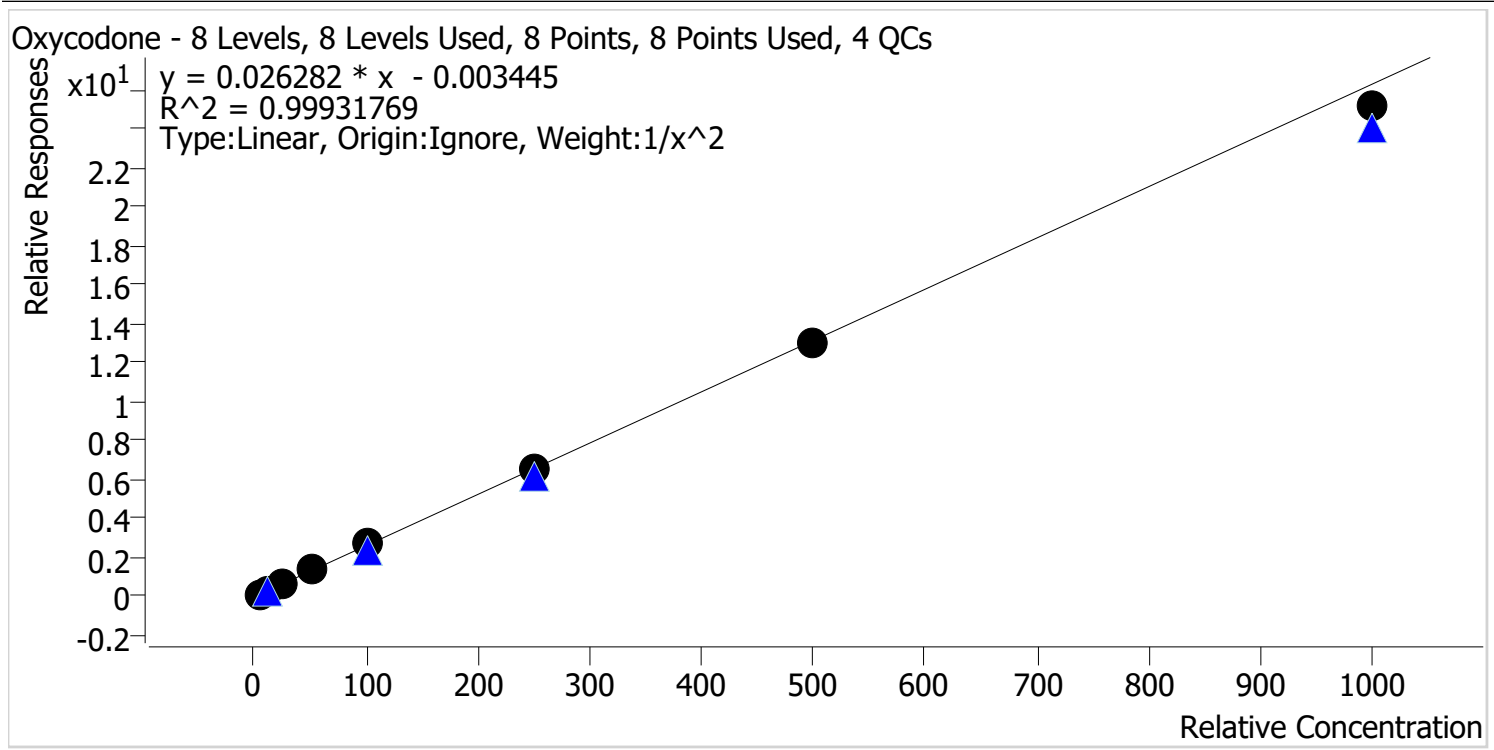
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Oxycodone

**Internal Standard** Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	493.5	98.7
p1 Cal 8-1000ng	8	✓	1000.0	956.9	95.7

TS



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

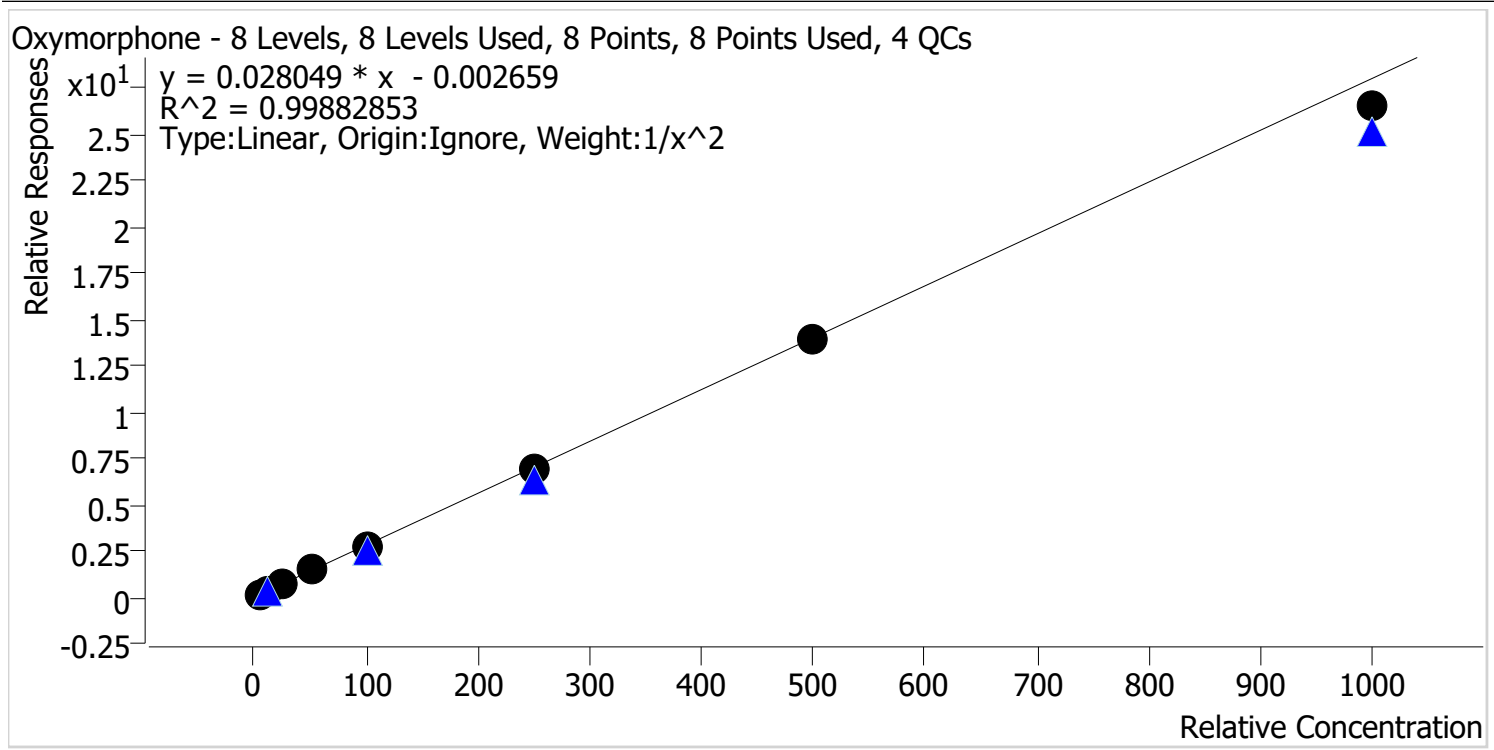
**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Oxymorphone

**Internal Standard** Oxymorphone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	498.1	99.6
p1 Cal 8-1000ng	8	✓	1000.0	946.3	94.6



TS



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

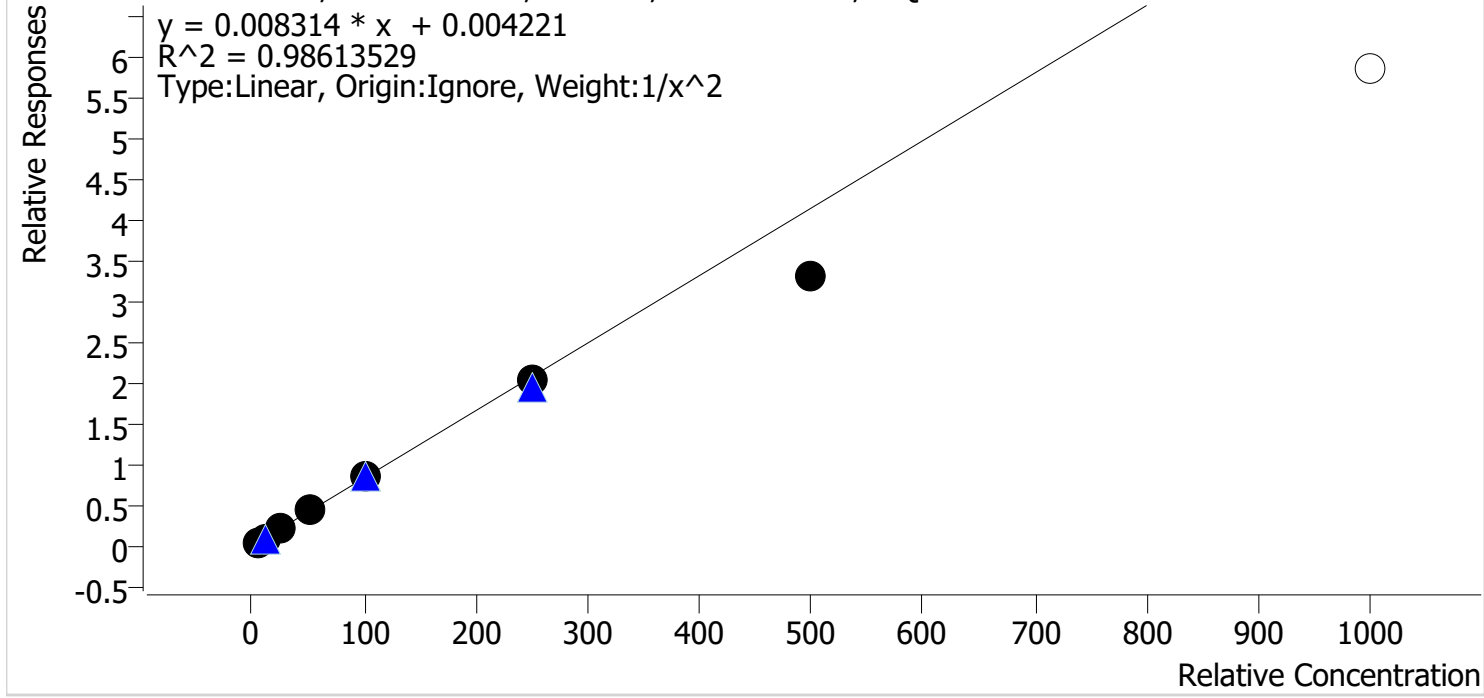
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reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Phentermine **Internal Standard** Phentermine-D5

Phentermine - 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	4.7	94.7
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.2
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	400.7	80.1
p1 Cal 8-1000ng	8	x	1000.0	707.8	70.8

CS TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

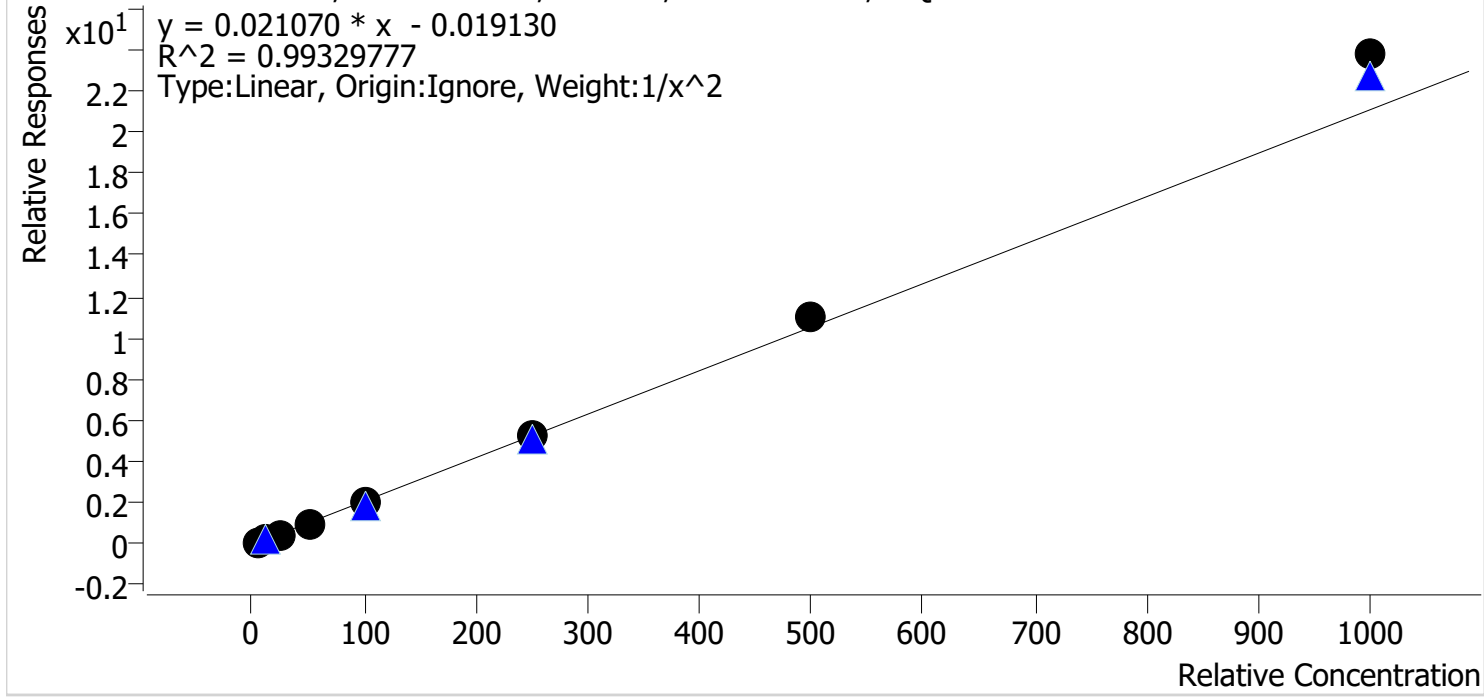
**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Promethazine

**Internal Standard** Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2-10ng	2	✓	10.0	9.5	95.1
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.8
p1 Cal 4-50ng	4	✓	50.0	46.9	93.9
p1 Cal 5-100ng	5	✓	100.0	93.5	93.5
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	527.1	105.4
p1 Cal 8-1000ng	8	✓	1000.0	1127.5	112.7

TS



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

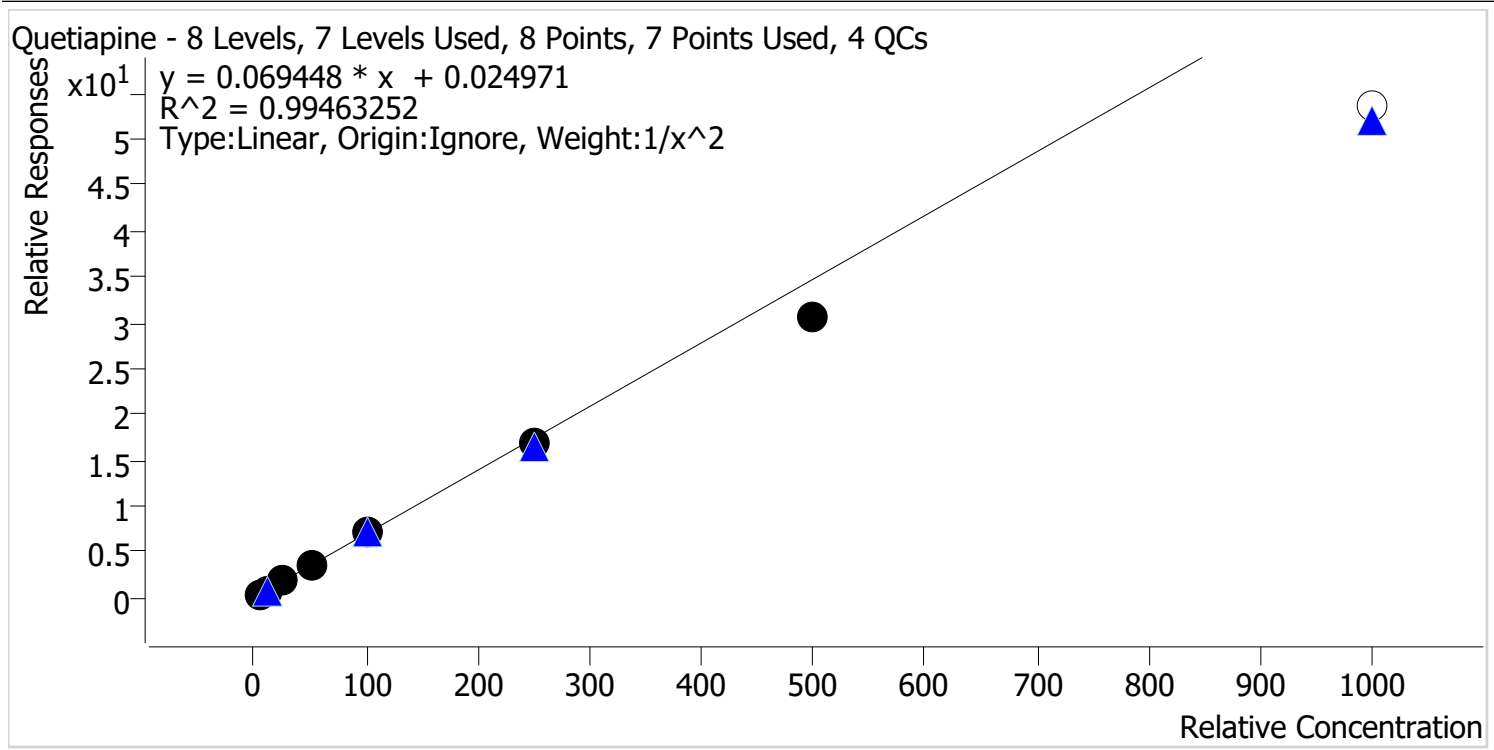
**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Quetiapine

**Internal Standard** Quetiapine-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	440.2	88.0
p1 Cal 8-1000ng	8	x	1000.0	771.4	77.1

QTS



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

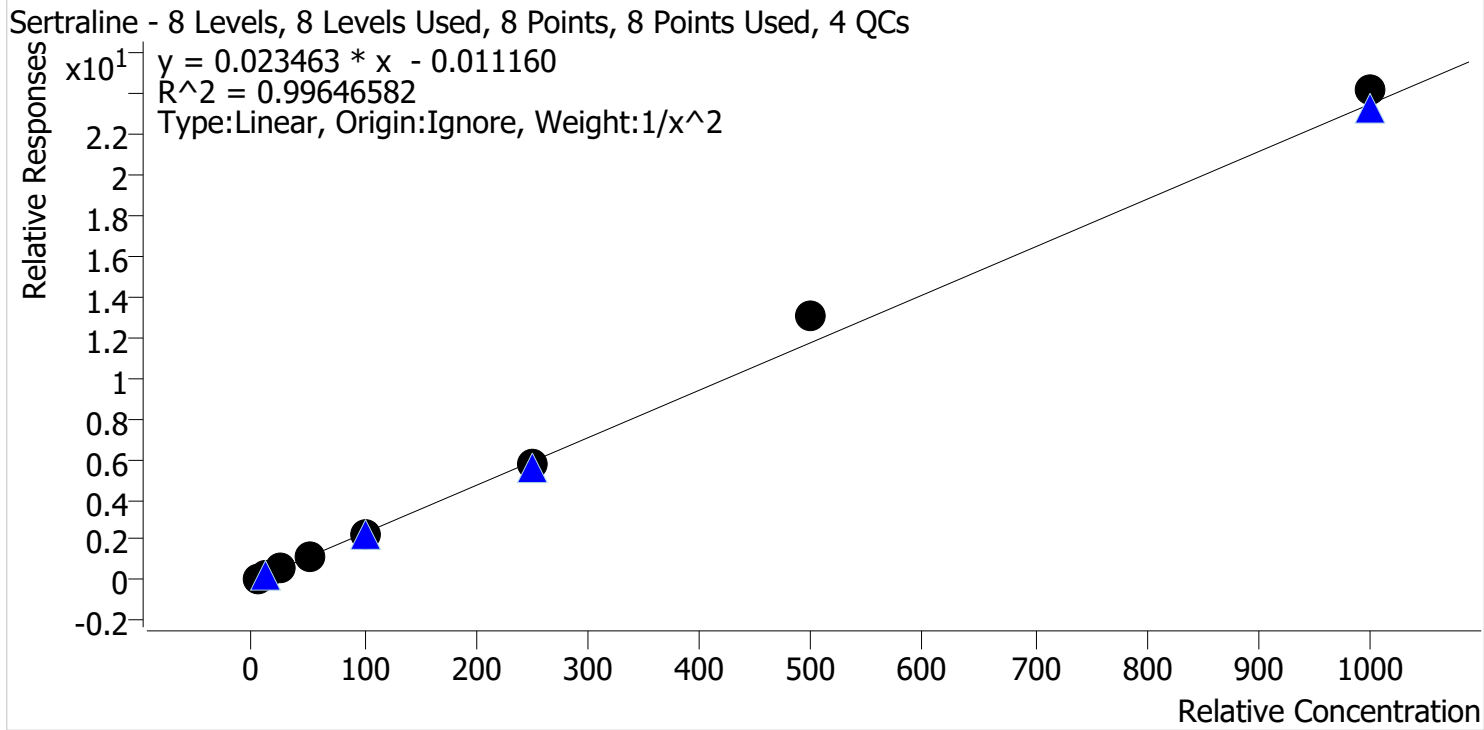
**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Sertraline

**Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	47.7	95.5
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	552.7	110.5
p1 Cal 8-1000ng	8	✓	1000.0	1028.9	102.9

TS



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

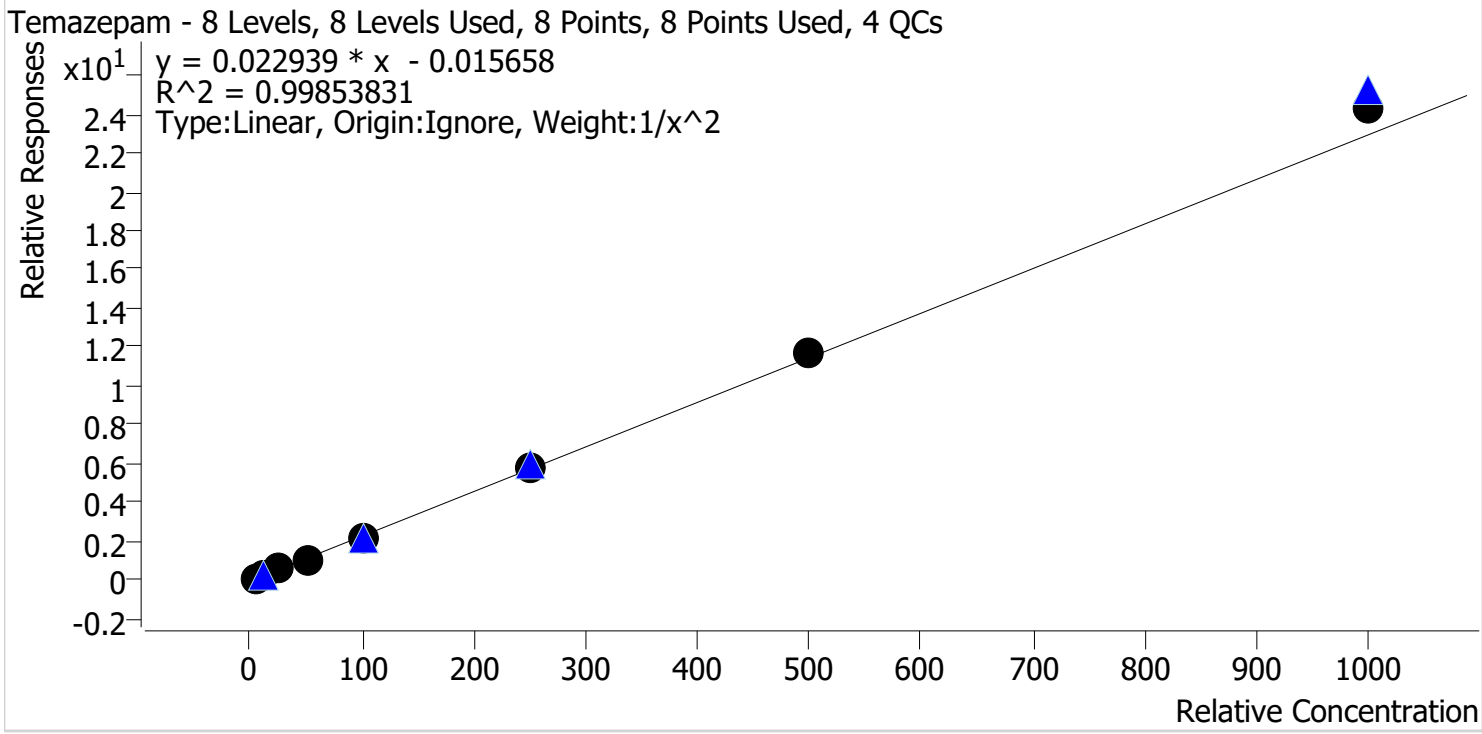
**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Temazepam

**Internal Standard** Temazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	513.2	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1061.1	106.1

ES TS



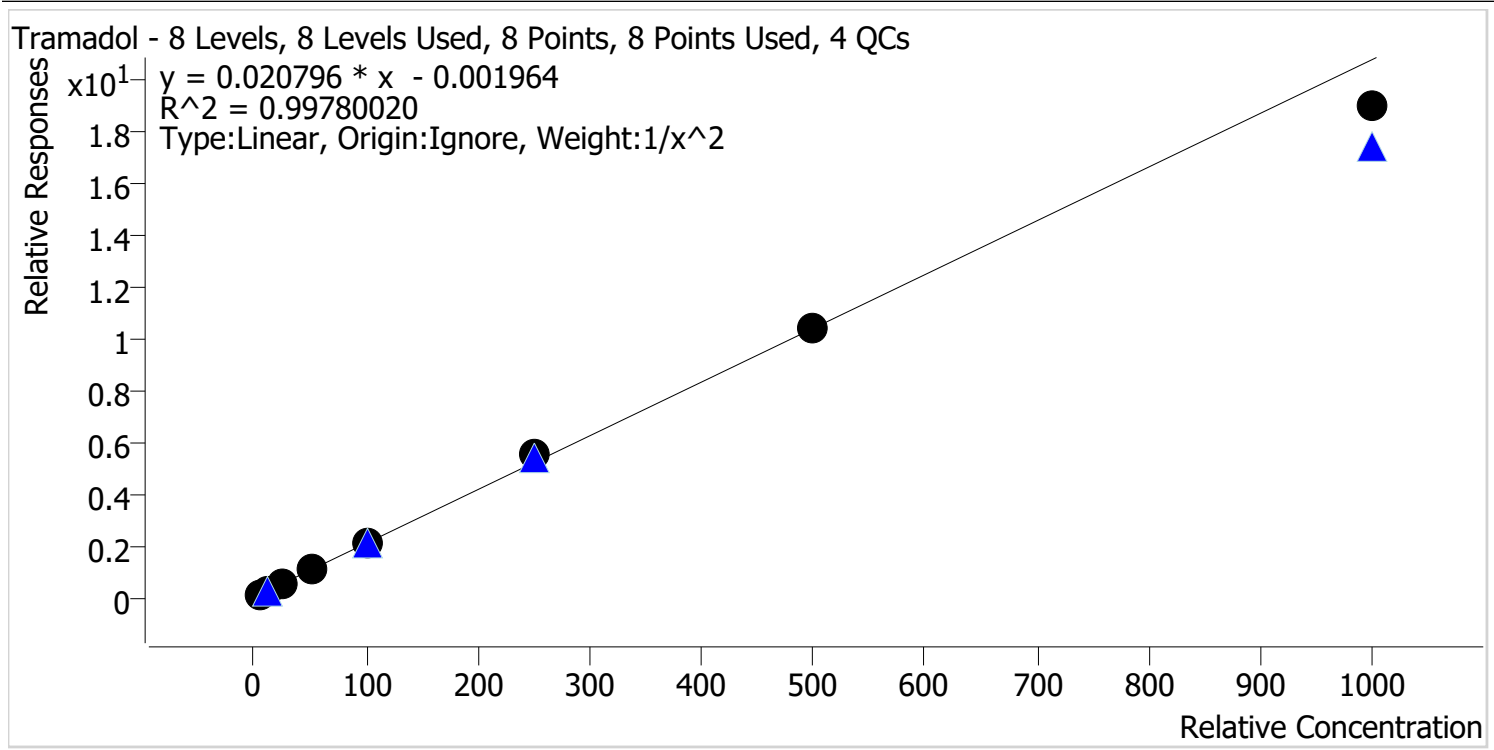
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	265.4	106.2
p1 Cal 7-500ng	7	✓	500.0	502.6	100.5
p1 Cal 8-1000ng	8	✓	1000.0	913.2	91.3

CS TS



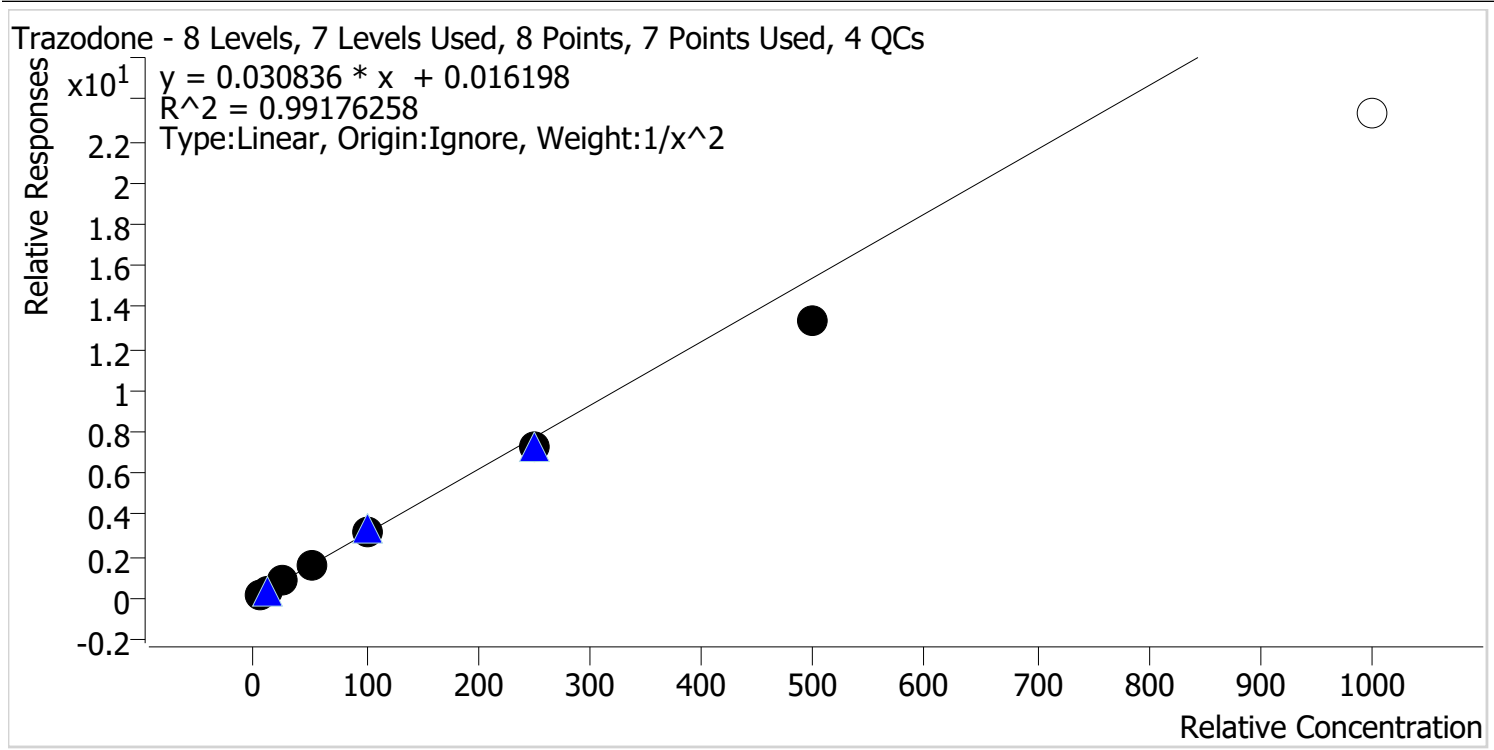
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Trazodone **Internal Standard** Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.9
p1 Cal 4-50ng	4	✓	50.0	52.7	105.5
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	237.7	95.1
p1 Cal 7-500ng	7	✓	500.0	433.1	86.6
p1 Cal 8-1000ng	8	x	1000.0	758.7	75.9

TS



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

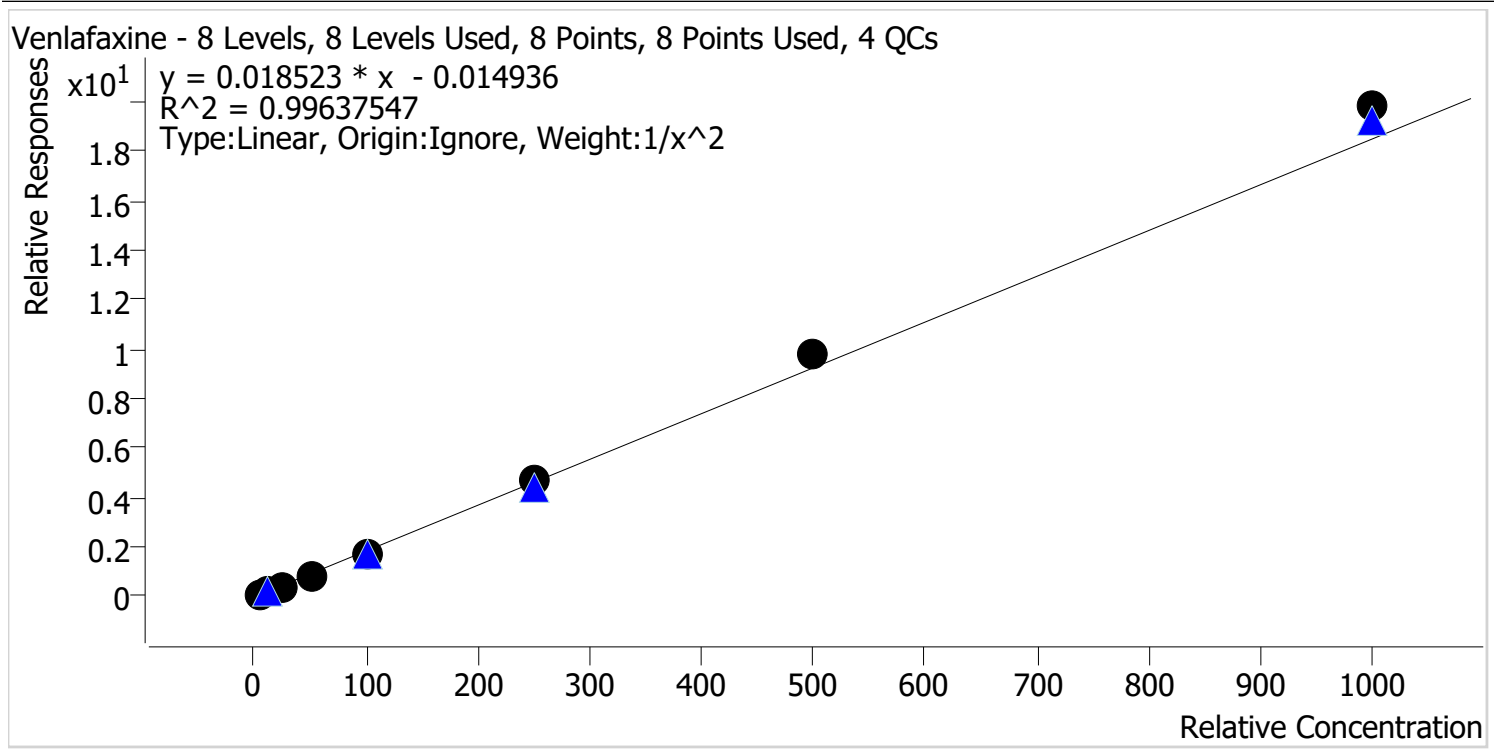
**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Venlafaxine

**Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	47.5	95.1
p1 Cal 5-100ng	5	✓	100.0	93.3	93.3
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	532.0	106.4
p1 Cal 8-1000ng	8	✓	1000.0	1071.6	107.2



TS



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

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28  
reinjects\QuantResults\AM28.batch.bin

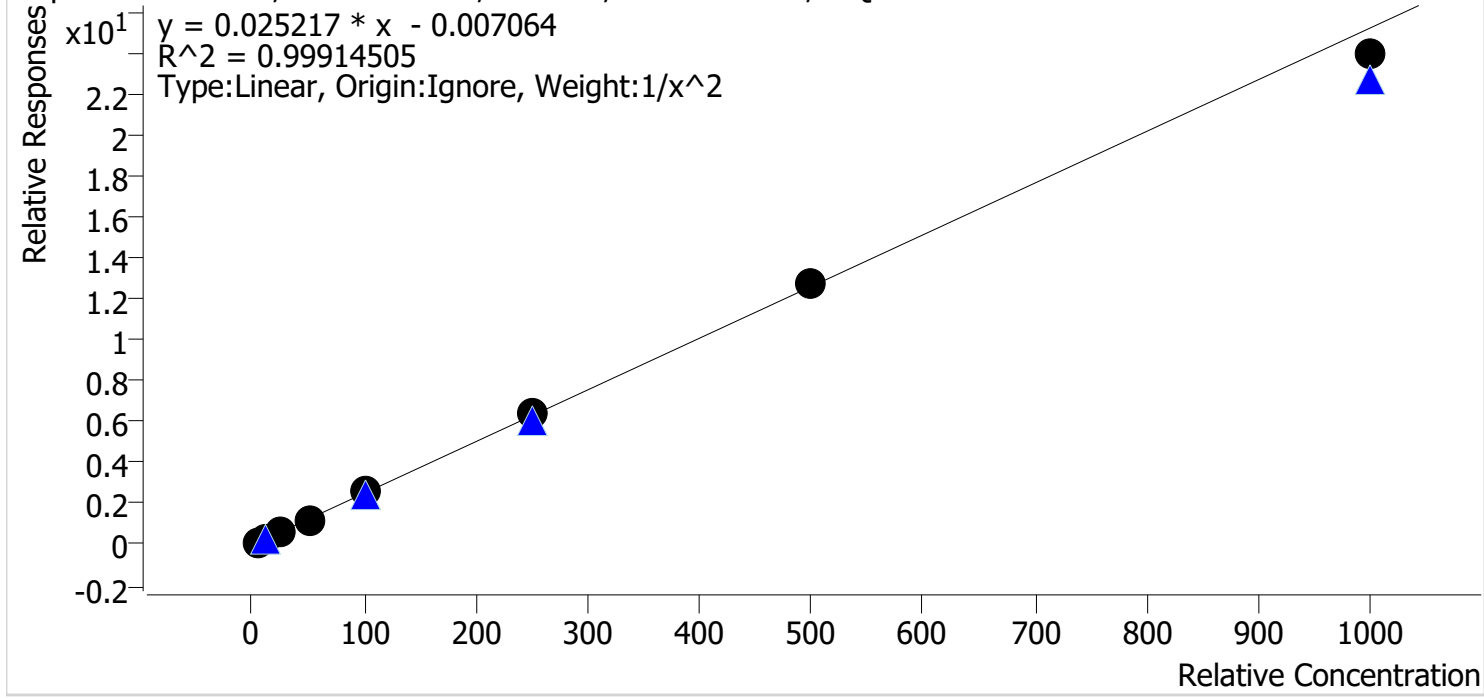
**Last Cal. Update** 1/16/2024 1:40 PM

**Analyst Name** ISP\datastor

**Analyte** Zolpidem

**Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	506.3	101.3
p1 Cal 8-1000ng	8	✓	1000.0	949.2	94.9

TS



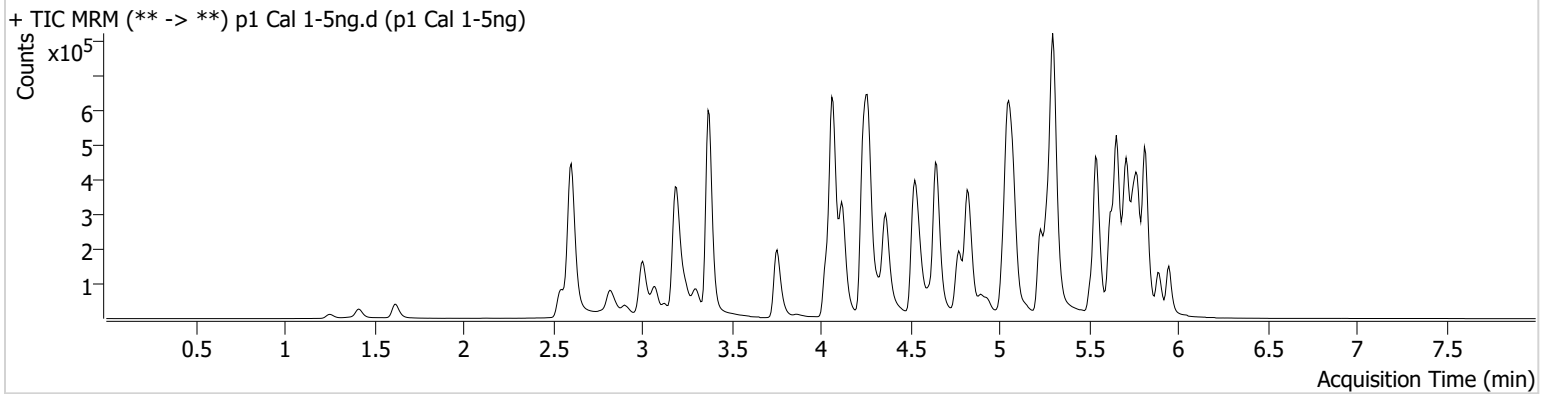
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin  
**Calibration Last Update** 1/16/2024 1:40:43 PM

**Instrument** Falco (069901) **Data File** p1 Cal 1-5ng.d  
**Type** Cal **Sample** p1 Cal 1-5ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-A1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 1:46:06 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	3.143	1176	5549.52	70.5	779.38	69183	0.5021 ng/ml
7-aminoclonazepam	4.265	19620	451.97	77.8	51421.84	207870	4.7878 ng/ml
9-hydroxyrisperidone	4.644	3570	3108.73	3210.0	1204.32	1036633	5.0460 ng/ml
a-hydroxyalprazolam	5.699	7811	120.45	66.6	563.10	66536	5.2415 ng/ml
alpha-PHP	4.936	20554	259.03	269.8	73764.69	630616	5.0672 ng/ml
alpha-PVP	4.370	73895	65131.37	49.1	84.23	630616	5.0541 ng/ml
Alprazolam	5.776	34243	1066.39	118.0	657.12	327845	5.1790 ng/ml
Amphetamine	3.074	117270	101.54	44.0	376.45	285683	4.7633 ng/ml
Benzoylcegonine	3.896	1727	1959.85	40.2	51.85	12056	5.2399 ng/ml
Bromazolam	5.814	18342	12802.52	111.0	22232.85	162010	5.0222 ng/ml
Buprenorphine	5.690	1696	1840.66	19.3	549.81	123833	0.5062 ng/ml
Bupropion	4.786	72336	36856.63	71.4	1991.11	424628	4.9957 ng/ml
Carisoprodol	5.724	36566	96.70	59.4	172.65	314205	5.1331 ng/ml
Citalopram	5.228	57566	301.80	34.2	10075.18	548359	5.2041 ng/ml
Clonazepam	5.611	33910	140.24	35.3	9410.44	102489	4.8230 ng/ml
Clonazolam	5.555	30456	47290.90	32.5	98.79	102489	4.9394 ng/ml
Cocaine	4.264	55139	300.03	50.3	38432.47	898248	5.0122 ng/ml
Codeine	2.596	5802	13804.52	101.1	206.15	65352	4.8298 ng/ml
Cyclobenzaprine	5.627	46652	23410.90	9.5	5415.56	499171	5.1398 ng/ml
Dextromethorphan	5.285	36240	54.97	84.7	16481.11	349195	5.1202 ng/ml
Dextrorphan	4.123	23496	127700.10	209.2	76756.25	616119	5.0471 ng/ml
Diazepam	5.954	25294	430.78	88.4	76.46	240598	4.9887 ng/ml
Dihydrocodeine	2.575	15487	171864.31	62.7	39.19	197700	4.7917 ng/ml
Diphenhydramine	5.306	157478	283356.81	27.6	758.25	1631943	5.1613 ng/ml
Doxylamine	4.546	123447	5459.84	101.6	842.35	1235625	5.1147 ng/ml
Duloxetine	5.647	6131	193.89	13.1	83.86	73908	4.8685 ng/ml
EDDP	5.271	42300	652.59	39.3	235.29	464064	5.1276 ng/ml
Etizolam	5.814	19088	19331.16	25.0	3857.03	102489	5.1796 ng/ml
Fentanyl	5.090	4885	114.46	80.3	3230.63	601496	0.5242 ng/ml
Fluorofentanyl	5.144	14483	89.53	38.6	560.59	5275	0.5119 ng/ml
Fluoxetine	5.707	71021	264.43	7.5	1911.42	517296	5.1309 ng/ml

CS TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	20829	295.07	33.5	30.35	233114	4.9600 ng/ml
Hydromorphone	1.629	15899	65313.38	74.5	702.99	106906	5.0573 ng/ml
Hydroxyzine	5.691	54877	1653.30	71.1	1118.77	349195	5.2093 ng/ml
Ketamine	4.049	50126	596.28	34.9	184.74	409679	4.8749 ng/ml
Lamotrigine	4.280	4481	158.55	87.5	197.97	1231114	47.0418 ng/ml
Lorazepam	5.747	32681	502.28	46.6	40.65	467074	4.7816 ng/ml
MDA	3.215	62195	749.29	32.0	771.72	413016	4.6512 ng/ml
MDMA	3.309	47982	77062.50	89.3	1059.86	107886	5.0691 ng/ml
Meprobamate	4.923	13244	16277.41	32.8	42.41	116044	4.8229 ng/ml
Methadone	5.653	101630	158.46	48.4	764.37	788227	5.1895 ng/ml
Methamphetamine	3.250	99926	222.73	38.7	320.40	754742	4.9028 ng/ml
Metoprolol	4.327	13887	459.86	107.0	336.03	1070588	4.9795 ng/ml
Mirtazapine	4.614	95951	35369.85	53.5	821.31	630616	5.1120 ng/ml
Mitragynine	5.219	20248	24929.04	35.5	5494.25	788227	5.1173 ng/ml
Morphine	1.261	3235	38.52	33.2	175.46	9310	4.9433 ng/ml
Norbuprenorphine	4.993	262	123.84	131.8 <b>High</b>	285.19	22327	0.4806 ng/ml
Nordiazepam	5.894	27631	161.47	56.1	34022.23	190978	4.9272 ng/ml
Norfentanyl	4.083	10278	32230.90	38.1	47.63	1045743	0.5052 ng/ml
Norhydrocodone	3.077	3645	37.95	31.0	62.43	57044	5.1488 ng/ml
Noroxycodone	2.927	12930	311.37	48.1	185.00	85866	5.0836 ng/ml
O-desmethyl-tramadol	3.376	118043	362.72	5.7	238.30	1446160	5.1229 ng/ml
o-desmethylvenlafaxine	4.068	162957	3157.32	15.1	216.68	27298	5.3203 ng/ml
Olanzapine	4.407	18874	237.83	54.7	123.79	97812	4.9887 ng/ml
Oxazepam	5.756	42636	94.61	72.1	287.65	467074	4.7703 ng/ml
Oxycodone	2.852	34018	935.93	28.7	261.49	269672	4.9308 ng/ml
Oxymorphone	1.419	10557	65.53	45.7	111.26	77151	4.9731 ng/ml
Phentermine	3.792	24260	51.67	7.6	64.04	556385	4.7368 ng/ml
Promethazine	5.544	83039	638.06	30.7	78.20	912881	5.2252 ng/ml
Pseudoephedrine	2.613	133247	2143.81	16.8	1460.40	1231114	5.1851 ng/ml
Quetiapine	5.526	76099	75465.83	51.5	28499.89	208360	4.8995 ng/ml
Sertraline	5.776	20650	816.28	95.1	64.29	188196	5.1523 ng/ml
Temazepam	5.817	73616	179.79	29.6	63.07	726866	5.0978 ng/ml
Tramadol	4.253	108489	123.16	3.0	48.29	1070588	4.9672 ng/ml
Trazodone	5.068	97664	115129.35	54.8	1274.89	591975	4.8249 ng/ml
Venlafaxine	5.044	91757	279.42	39.0	765.03	1148334	5.1202 ng/ml
Xylazine	4.090	43016	72168.73	39.6	164.49	413292	5.0821 ng/ml
Zolpidem	4.838	102873	592.93	28.2	396.99	856370	5.0439 ng/ml

CS TS



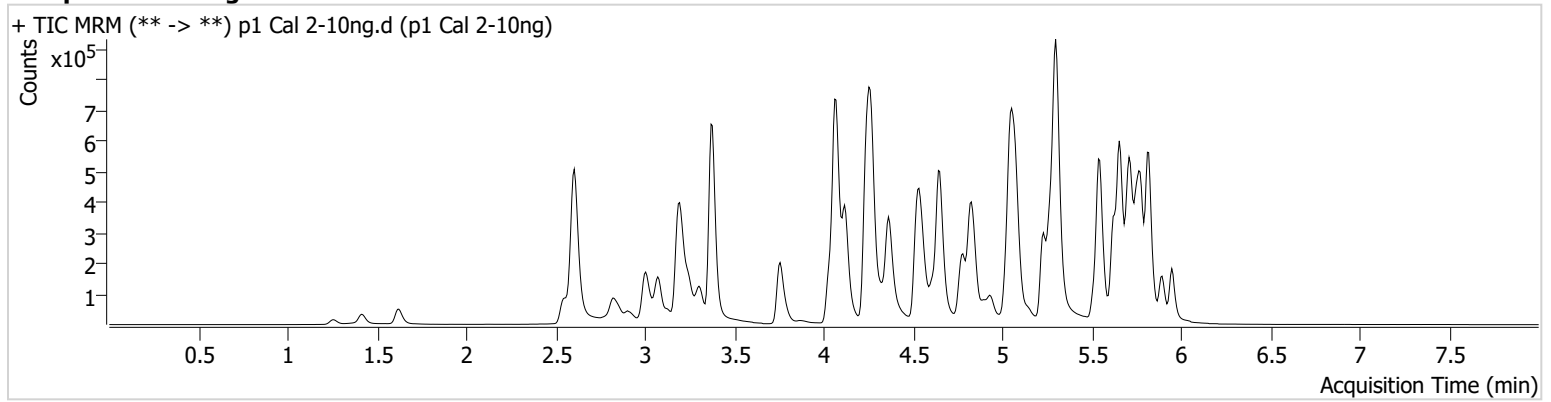
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin  
**Calibration Last Update** 1/16/2024 1:40:43 PM

**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** P2-B1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 1:56:53 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	3.136	2463	6490.21	72.9	1594.52	68939	1.0298 ng/ml
7-aminoclonazepam	4.264	42890	25063.03	74.3	659.69	202276	10.8195 ng/ml
9-hydroxyrisperidone	4.651	7119	1085.56	3352.3	2198.63	1030737	10.0100 ng/ml
a-hydroxyalprazolam	5.698	14758	112.20	68.1	378.87	76348	8.7154 ng/ml
alpha-PHP	4.936	42387	2096.12	266.0	2870.70	646035	9.8427 ng/ml
alpha-PVP	4.369	155948	328385.07	46.7	7970.73	646035	9.9138 ng/ml
Alprazolam	5.775	70726	278.48	117.7	825.77	338129	9.5978 ng/ml
Amphetamine	3.074	237146	2311.36	46.0	5482.53	293775	10.3936 ng/ml
Benzoylcegonine	3.889	3259	22.44	41.2	95.48	13140	8.9424 ng/ml
Bromazolam	5.814	34263	28815.99	121.8	49375.47	160041	9.7063 ng/ml
Buprenorphine	5.690	3189	79.02	19.5	∞	126312	0.9636 ng/ml
Bupropion	4.785	153744	1512.50	70.0	1821.29	425953	10.0593 ng/ml
Carisoprodol	5.730	75231	26810.28	60.6	77.72	325553	9.7306 ng/ml
Citalopram	5.227	115547	100803.01	36.0	200744.92	556793	9.4531 ng/ml
Clonazepam	5.618	71345	479.23	34.6	103.83	107336	10.1407 ng/ml
Clonazolam	5.554	63779	48771.02	31.1	412.51	107336	10.0098 ng/ml
Cocaine	4.264	112762	314.56	49.8	33531.46	910680	10.0332 ng/ml
Codeine	2.596	10952	20666.64	115.4	4576.81	64116	9.9565 ng/ml
Cyclobenzaprine	5.627	99280	98.71	10.4	323.78	503243	9.7725 ng/ml
Dextromethorphan	5.284	72429	58043.55	90.0	2279.10	365774	9.6537 ng/ml
Dextrorphan	4.123	48989	171.05	207.2	83667.23	631574	9.8607 ng/ml
Diazepam	5.954	52997	575.42	89.4	155.62	251886	9.9185 ng/ml
Dihydrocodeine	2.575	33655	56747.68	57.7	56950.31	201695	10.4103 ng/ml
Diphenhydramine	5.305	319743	415.61	27.8	85879.29	1667880	9.6550 ng/ml
Doxylamine	4.545	255724	35768.49	100.9	58750.30	1238547	9.8797 ng/ml
Duloxetine	5.647	12832	4907.58	10.7	422.95	70056	10.4725 ng/ml
EDDP	5.270	90987	208.71	40.7	39985.77	496344	9.7361 ng/ml
Etizolam	5.814	41588	66134.79	27.1	585.96	107336	9.6642 ng/ml
Fentanyl	5.090	9675	27.23	84.4	5405.75	598230	0.9359 ng/ml
Fluorofentanyl	5.144	27832	124.13	38.5	2316.67	5002	0.9794 ng/ml
Fluoxetine	5.707	138626	4137.90	7.3	24737.28	499580	9.7147 ng/ml

CS TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	42851	158.51	33.2	44.57	239982	9.9646 ng/ml
Hydromorphone	1.629	31646	1189.70	76.8	4221.60	109020	9.7096 ng/ml
Hydroxyzine	5.690	109612	13900.63	71.0	35924.06	365774	9.4877 ng/ml
Ketamine	4.041	103205	90.84	35.4	1182.88	409440	10.3667 ng/ml
Lamotrigine	4.280	10519	2136.82	70.5	12184.48	1253914	109.1243 ng/ml
Lorazepam	5.747	65410	735.78	46.7	83.69	462792	10.8786 ng/ml
MDA	3.215	130486	548.13	31.1	1721.63	414983	10.7373 ng/ml
MDMA	3.309	100541	3228.25	89.4	663.03	111090	9.9152 ng/ml
Meprobamate	4.923	26662	93.14	34.6	627.29	119748	10.2605 ng/ml
Methadone	5.659	202381	365.77	49.5	1007.91	807298	9.4984 ng/ml
Methamphetamine	3.250	203964	1416.44	39.3	238.15	774432	10.1649 ng/ml
Metoprolol	4.326	28043	1438.74	103.8	1264.46	1102870	9.8239 ng/ml
Mirtazapine	4.614	199564	2693.82	53.5	592.45	646035	9.7220 ng/ml
Mitragynine	5.218	41406	34399.33	33.5	6169.01	807298	9.5563 ng/ml
Morphine	1.261	6696	78405.61	34.1	490.52	9722	10.0617 ng/ml
Norbuprenorphine	4.992	448	831.06	88.4	298.97	23487	0.9207 ng/ml
Nordiazepam	5.894	58090	44174.98	56.3	196.52	198795	9.9996 ng/ml
Norfentanyl	4.083	22199	4497.79	36.8	92.68	1056856	0.9943 ng/ml
Norhydrocodone	3.077	8023	78.69	31.1	52.48	57076	9.9107 ng/ml
Noroxycodone	2.927	25519	270.15	48.4	248.38	91202	9.5071 ng/ml
O-desmethyl-tramadol	3.376	242195	8006.95	5.5	91.95	1475099	9.7455 ng/ml
o-desmethylvenlafaxine	4.068	326549	133.97	15.7	633.49	29268	9.2127 ng/ml
Olanzapine	4.407	36653	93.82	53.9	201.37	94202	9.9985 ng/ml
Oxazepam	5.756	86797	3534.75	72.2	481.29	462792	10.3583 ng/ml
Oxycodone	2.852	70570	704.81	28.6	2102.65	267634	10.1639 ng/ml
Oxymorphone	1.419	22344	1079.43	47.4	425.44	81298	9.8935 ng/ml
Phentermine	3.792	52382	232.94	7.5	96.28	568623	10.5728 ng/ml
Promethazine	5.544	163326	1218.17	31.3	214.61	901573	9.5060 ng/ml
Pseudoephedrine	2.613	274839	732.07	16.8	4319.27	1253914	9.6326 ng/ml
Quetiapine	5.526	152763	131565.72	53.4	72434.10	211481	10.0418 ng/ml
Sertraline	5.776	39232	231.80	99.5	48930.30	182937	9.6158 ng/ml
Temazepam	5.817	152470	2740.97	28.8	220.64	732132	9.7613 ng/ml
Tramadol	4.252	228574	84.96	3.2	29.23	1102870	10.0604 ng/ml
Trazodone	5.068	196036	115597.69	54.7	1925.44	591121	10.2295 ng/ml
Venlafaxine	5.044	196108	427.28	38.9	582.49	1173275	9.8302 ng/ml
Xylazine	4.090	88410	3399.81	41.0	282.37	421306	9.8229 ng/ml
Zolpidem	4.845	207815	204336.59	29.0	555.45	864565	9.8122 ng/ml

CTS



# AM #28 Multi-Drug Quant. Results

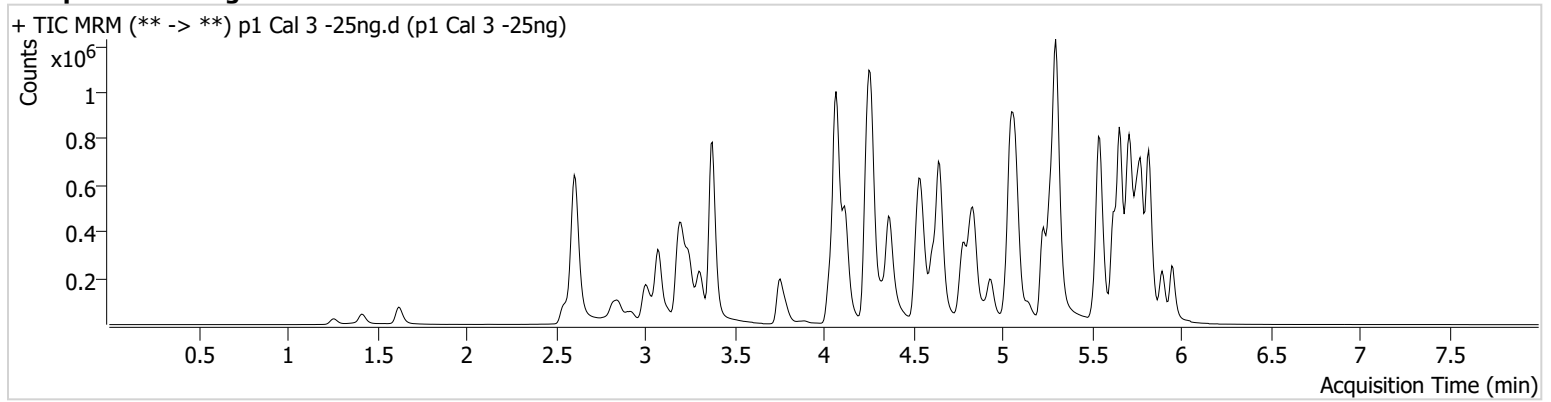
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**Calibration Last Update** 1/16/2024 1:40:43 PM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-C1  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 2:07:31 PM  
**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	3.136	5461	521.50	78.1	10327.94	67929	2.2882 ng/ml
7-aminoclonazepam	4.264	99603	3267.44	79.3	76.45	209755	24.2939 ng/ml
9-hydroxyrisperidone	4.644	17628	115.53	3419.5	613.18	1045278	24.2855 ng/ml
a-hydroxyalprazolam	5.698	39368	103.87	65.9	153.86	68153	26.3066 ng/ml
alpha-PHP	4.936	104882	360.73	266.7	1789.57	619805	24.8282 ng/ml
alpha-PVP	4.369	379295	10391.44	48.0	190.87	619805	24.4117 ng/ml
Alprazolam	5.775	173872	294.27	119.3	608.69	322250	23.5388 ng/ml
Amphetamine	3.074	569254	21648.44	45.6	282.85	282214	27.5627 ng/ml
Benzoylcegonine	3.896	8706	65.88	36.6	1381.99	12148	25.4997 ng/ml
Bromazolam	5.814	87893	27445.14	117.3	8505.88	154034	26.2615 ng/ml
Buprenorphine	5.690	7904	332.41	19.4	1149.87	125100	2.4658 ng/ml
Bupropion	4.785	384641	17238.14	69.4	3737.31	422905	24.6339 ng/ml
Carisoprodol	5.730	177615	238471.87	60.7	150.71	300550	24.1541 ng/ml
Citalopram	5.227	300421	848.93	34.0	395497.82	540926	23.8672 ng/ml
Clonazepam	5.618	178145	304.56	34.6	194.96	101017	27.6449 ng/ml
Clonazolam	5.554	152616	191596.44	32.9	42781.61	101017	25.6558 ng/ml
Cocaine	4.264	269512	390411.63	49.9	554.92	879951	24.7061 ng/ml
Codeine	2.596	28330	70.86	107.5	62514.39	62818	27.4673 ng/ml
Cyclobenzaprine	5.627	257419	434.18	10.5	78.18	508219	23.5709 ng/ml
Dextromethorphan	5.284	182111	187.62	86.9	10631.72	365932	24.0698 ng/ml
Dextrorphan	4.123	120409	465.88	209.1	32545.30	606529	24.6263 ng/ml
Diazepam	5.954	134318	193.13	88.1	2780.34	247743	25.4549 ng/ml
Dihydrocodeine	2.575	84023	3126.06	59.9	5875.79	197651	26.8008 ng/ml
Diphenhydramine	5.305	797776	376.69	28.6	139.70	1634754	23.6400 ng/ml
Doxylamine	4.545	627613	755.10	101.6	3355.50	1222145	23.6098 ng/ml
Duloxetine	5.647	32100	2902.43	12.0	145.85	71209	25.4389 ng/ml
EDDP	5.270	260170	33788.84	42.5	70441.41	557674	23.8981 ng/ml
Etizolam	5.814	98028	3469.68	26.6	25720.85	101017	22.6561 ng/ml
Fentanyl	5.090	26404	52.16	82.8	21718.49	602989	2.3486 ng/ml
Fluorofentanyl	5.144	74923	410.43	39.7	10846.28	5510	2.3118 ng/ml
Fluoxetine	5.707	366588	21345.89	7.5	91047.96	512918	24.0106 ng/ml



TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	105358	52.15	32.0	115.02	228354	25.8307 ng/ml
Hydromorphone	1.629	79576	5195.76	75.6	5672.01	104620	25.1673 ng/ml
Hydroxyzine	5.697	283191	286160.61	72.9	195558.74	365932	23.7235 ng/ml
Ketamine	4.048	241786	223736.04	36.6	582.47	399261	25.3341 ng/ml
Lamotrigine	4.280	23896	47081.28	81.9	5751.09	1204013	258.9076 ng/ml
Lorazepam	5.747	132041	2353.49	56.5	540.97	423552	25.4370 ng/ml
MDA	3.215	305344	3960.49	32.3	1676.38	396137	27.6889 ng/ml
MDMA	3.309	241143	2816.56	90.6	3385.50	107350	24.0368 ng/ml
Meprobamate	4.923	64852	268792.05	33.2	342.58	113636	27.7004 ng/ml
Methadone	5.659	531644	378.24	48.0	25251.22	802042	24.0855 ng/ml
Methamphetamine	3.250	488662	3340.34	39.3	332.33	746970	25.8668 ng/ml
Metoprolol	4.326	72104	585.35	101.8	12844.04	1062139	26.3374 ng/ml
Mirtazapine	4.614	503297	73305.44	52.1	2855.42	619805	24.5183 ng/ml
Mitragynine	5.218	111581	1642.12	31.0	60984.16	802042	24.7857 ng/ml
Morphine	1.261	15902	4887.86	33.9	12334.21	9475	24.9023 ng/ml
Norbuprenorphine	4.999	1008	99.66	96.3	1056.11	21854	2.5340 ng/ml
Nordiazepam	5.894	143551	231.43	58.4	284.48	191647	25.7069 ng/ml
Norfentanyl	4.090	54930	81758.10	36.1	40.16	1008635	2.4584 ng/ml
Norhydrocodone	3.077	18916	58.49	35.2	36.83	55595	22.3119 ng/ml
Noroxycodone	2.927	64434	114.88	47.0	1022.54	86259	25.4999 ng/ml
O-desmethyl-tramadol	3.376	597088	449.60	5.3	2469.58	1429617	23.9365 ng/ml
o-desmethylvenlafaxine	4.068	814196	18792.32	15.6	1319.82	27893	22.7437 ng/ml
Olanzapine	4.407	82436	273.27	57.5	3561.79	87425	24.1460 ng/ml
Oxazepam	5.756	201956	4413.28	70.9	203.25	423552	27.1492 ng/ml
Oxycodone	2.852	175451	4184.37	28.4	779.49	264753	25.3461 ng/ml
Oxymorphone	1.419	52552	∞	46.4	92.86	72844	25.8155 ng/ml
Phentermine	3.792	123399	168.92	7.4	317.99	538627	27.0487 ng/ml
Promethazine	5.544	438283	377.22	30.8	265.38	922507	23.4570 ng/ml
Pseudoephedrine	2.613	684188	9696.98	16.7	3721.53	1204013	23.6252 ng/ml
Quetiapine	5.526	383813	16343.92	53.1	177298.07	205376	26.5502 ng/ml
Sertraline	5.776	105392	133.70	101.5	96.12	188860	24.2596 ng/ml
Temazepam	5.824	366996	356.23	28.7	263.47	671575	24.5056 ng/ml
Tramadol	4.252	555933	629.93	3.5	59.26	1062139	25.2629 ng/ml
Trazodone	5.068	502827	312418.11	55.2	15704.52	587535	27.2286 ng/ml
Venlafaxine	5.044	488159	961.31	37.3	599.30	1139946	23.9255 ng/ml
Xylazine	4.090	217619	264947.62	41.7	145.32	408745	24.2814 ng/ml
Zolpidem	4.845	522473	4065.07	28.6	751.18	845079	24.7974 ng/ml

CS TS



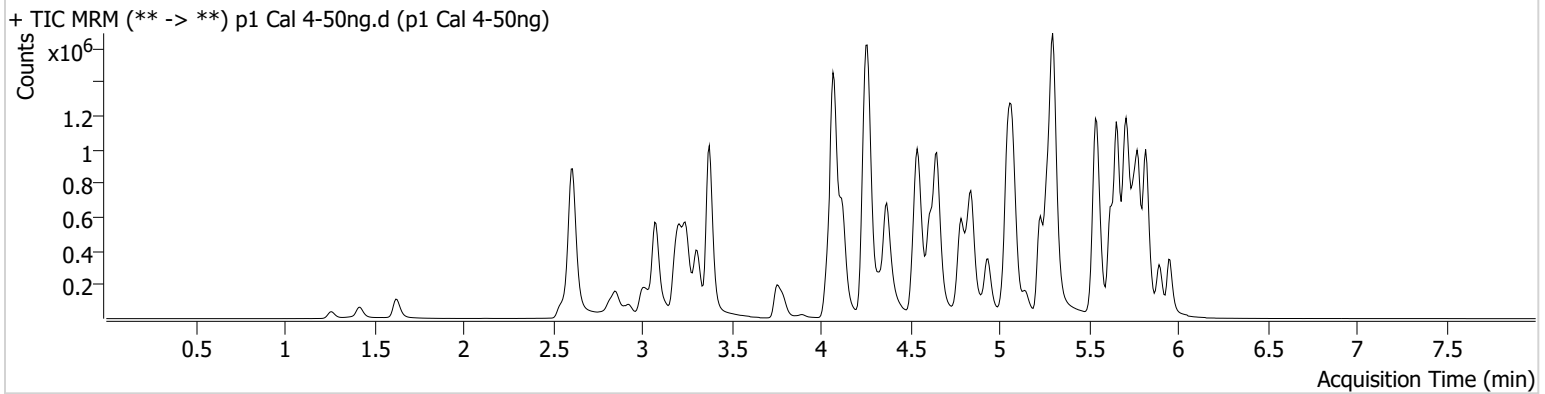
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin  
**Calibration Last Update** 1/16/2024 1:40:43 PM

**Instrument** Falco (069901) **Data File** p1 Cal 4-50ng.d  
**Type** Cal **Sample** p1 Cal 4-50ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-D1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 2:18:08 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	3.136	11225	273.69	73.2	11677.98	64776	4.9050 ng/ml
7-aminoclonazepam	4.264	183421	321190.48	75.0	3103.83	176998	53.0780 ng/ml
9-hydroxyrisperidone	4.644	32991	260.48	3658.6	1251026.02	997283	47.5324 ng/ml
a-hydroxyalprazolam	5.698	66627	303.41	70.5	197.08	58869	51.6690 ng/ml
alpha-PHP	4.936	202390	999.37	270.1	11248.91	611882	48.1942 ng/ml
alpha-PVP	4.369	763084	41356.37	48.3	423.63	611882	49.2611 ng/ml
Alprazolam	5.775	331624	738.01	117.2	592.70	298436	47.6601 ng/ml
Amphetamine	3.080	1074435	1417.99	46.0	3485.93	274266	54.5313 ng/ml
Benzoylcegonine	3.896	17247	139.56	33.9	4471.24	12226	50.0197 ng/ml
Bromazolam	5.814	156626	234477.79	125.0	135743.62	144632	50.0512 ng/ml
Buprenorphine	5.690	16161	17982.80	14.1	792.98	119922	5.3001 ng/ml
Bupropion	4.785	767905	20844.01	68.7	5503.95	407879	50.4886 ng/ml
Carisoprodol	5.730	324064	10637.40	62.7	3061.75	275138	47.6746 ng/ml
Citalopram	5.227	589900	348.90	34.2	296061.29	516970	48.1361 ng/ml
Clonazepam	5.618	302965	962.42	35.1	67352.41	89099	53.7191 ng/ml
Clonazolam	5.554	274649	336035.82	32.9	85187.15	89099	52.4848 ng/ml
Cocaine	4.264	525914	10990.38	51.1	440.75	863700	49.0428 ng/ml
Codeine	2.596	54018	1857.48	108.0	72.09	59475	56.0460 ng/ml
Cyclobenzaprine	5.627	509416	183.88	9.6	990.00	485659	47.7739 ng/ml
Dextromethorphan	5.277	359816	1213.64	87.3	281.63	348582	49.7876 ng/ml
Dextrorphan	4.123	236517	754.75	208.1	623.93	578487	50.3030 ng/ml
Diazepam	5.954	255087	890.69	87.3	231.41	235549	50.7791 ng/ml
Dihydrocodeine	2.575	160404	282.52	63.5	71.26	189738	53.4760 ng/ml
Diphenhydramine	5.305	1580880	224599.09	28.7	141.48	1585976	47.6532 ng/ml
Doxylamine	4.545	1266305	5616.79	99.8	35311.09	1214735	47.2601 ng/ml
Duloxetine	5.647	58913	1671.05	11.3	763.76	67063	49.3568 ng/ml
EDDP	5.270	553719	585.71	41.3	2795.16	580108	48.2997 ng/ml
Etizolam	5.814	191304	5999.59	25.9	49457.87	89099	48.8806 ng/ml
Fentanyl	5.090	52154	5860.43	78.5	49558.38	574382	4.7532 ng/ml
Fluorofentanyl	5.144	148391	297.84	40.8	5268.02	4997	4.9814 ng/ml
Fluoxetine	5.707	687544	59744.65	7.4	66553.61	472722	48.1974 ng/ml



CS TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	203312	103.53	32.7	74.85	224300	50.7976 ng/ml
Hydromorphone	1.629	154931	694639.98	75.2	529260.32	100699	50.7341 ng/ml
Hydroxyzine	5.697	540160	328058.76	74.9	34239.40	348582	47.0099 ng/ml
Ketamine	4.048	485851	456.55	36.5	1137.66	393628	51.9523 ng/ml
Lamotrigine	4.280	47849	25784.67	82.3	40770.25	1174081	532.2118 ng/ml
Lorazepam	5.747	215577	5986.91	50.7	349.73	360511	49.8899 ng/ml
MDA	3.215	573133	3948.90	32.5	506.22	378855	55.2503 ng/ml
MDMA	3.309	475877	2741.19	91.0	1070.54	102901	49.0763 ng/ml
Meprobamate	4.923	114228	103.47	34.7	3452.65	109540	51.3555 ng/ml
Methadone	5.659	1001952	1272.70	50.0	484.29	760155	47.2743 ng/ml
Methamphetamine	3.250	958675	9059.14	39.3	183.58	742690	51.4443 ng/ml
Metoprolol	4.326	136404	205619.18	106.3	4505.33	1040619	50.9157 ng/ml
Mirtazapine	4.614	991812	3514.48	52.4	3789.21	611882	48.3073 ng/ml
Mitragynine	5.218	216617	110199.40	32.7	5568.40	760155	50.0734 ng/ml
Morphine	1.261	31627	539.61	33.5	466.72	8740	53.9955 ng/ml
Norbuprenorphine	4.999	2033	2265.11	107.5	3506.62	20907	5.5868 ng/ml
Nordiazepam	5.894	271893	392.82	56.4	957.41	173083	53.9643 ng/ml
Norfentanyl	4.090	104153	117133.14	36.5	249.42	964208	4.8023 ng/ml
Norhydrocodone	3.077	38178	170.33	37.1	102.50	52836	46.0552 ng/ml
Noroxycodone	2.927	124605	1808.14	48.0	422.55	82905	51.3794 ng/ml
O-desmethyl-tramadol	3.376	1191346	474300.26	5.5	2715.33	1387376	48.6299 ng/ml
o-desmethylvenlafaxine	4.075	1598182	61659.93	15.6	1710.91	26106	46.7774 ng/ml
Olanzapine	4.400	186610	30808.64	54.6	507.10	89797	53.1438 ng/ml
Oxazepam	5.756	344159	121.04	71.3	2305.66	360511	54.8855 ng/ml
Oxycodone	2.852	342412	535.37	29.1	1093.45	255327	51.1578 ng/ml
Oxymorphone	1.419	104778	2016.15	45.7	1848.54	71617	52.2545 ng/ml
Phentermine	3.792	241609	206.08	7.3	280.40	536855	53.6244 ng/ml
Promethazine	5.544	841053	522.45	31.9	965.24	867393	46.9284 ng/ml
Pseudoephedrine	2.613	1343091	35673.16	16.8	383.70	1174081	46.7021 ng/ml
Quetiapine	5.526	738968	148358.75	53.1	497594.10	200925	52.5988 ng/ml
Sertraline	5.776	190324	577.44	99.9	244.42	171619	47.7413 ng/ml
Temazepam	5.824	646255	6119.15	28.3	152.30	584919	48.8484 ng/ml
Tramadol	4.252	1081856	255.42	3.2	129.48	1040619	50.0855 ng/ml
Trazodone	5.068	958761	374460.73	57.2	757279.04	583706	52.7414 ng/ml
Venlafaxine	5.044	960791	1035.12	38.3	281.05	1110069	47.5340 ng/ml
Xylazine	4.090	434853	1923.62	43.6	5899.35	402744	48.8146 ng/ml
Zolpidem	4.845	1048465	1619713.19	27.9	318999.37	828805	50.4460 ng/ml

TS



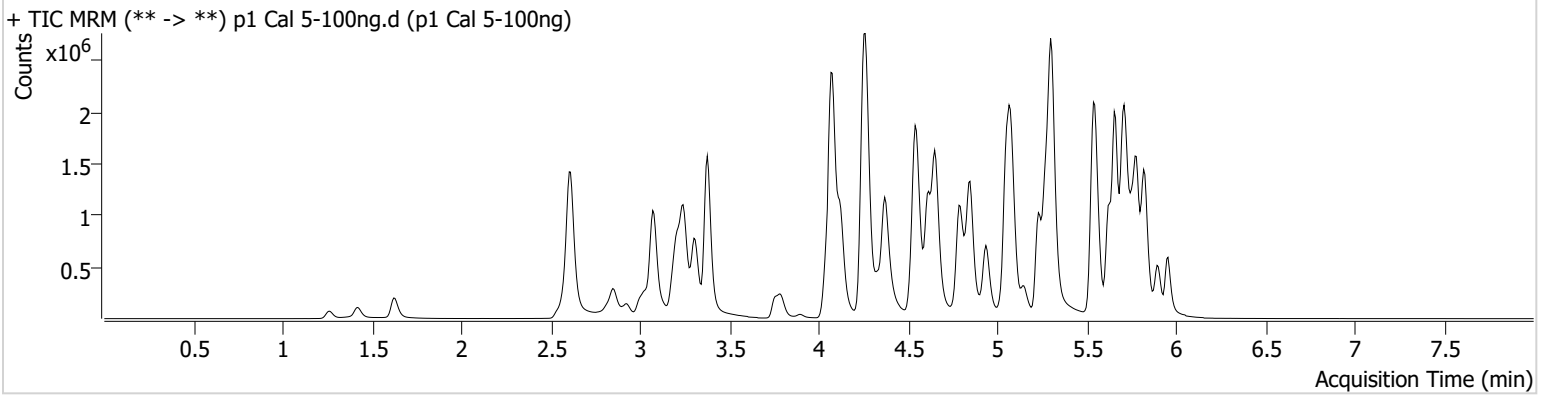
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin  
**Calibration Last Update** 1/16/2024 1:40:43 PM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-E1  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 2:28:45 PM  
**Sample Info.**

**Data File** p1 Cal 5-100ng.d  
**Sample** p1 Cal 5-100ng  
**Operator** Tamara Salazar  
**Comment** Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.136	23680	34216.64	77.4	57209.21	68441	9.7706 ng/ml
7-aminoclonazepam	4.264	355453	14176.75	76.7	2813.47	175507	103.7827 ng/ml
9-hydroxyrisperidone	4.651	72684	382.99	3492.9	4435.84	1037765	100.5152 ng/ml
a-hydroxyalprazolam	5.698	126885	155.70	65.5	110.18	54804	105.8364 ng/ml
alpha-PHP	4.936	419689	9807.59	269.0	41307.96	627012	97.1658 ng/ml
alpha-PVP	4.369	1565349	90161.60	49.4	271.42	627012	98.1427 ng/ml
Alprazolam	5.775	675782	612.83	113.1	547.45	293568	97.9051 ng/ml
Amphetamine	3.074	2042989	62008.23	46.3	22433.87	283268	101.2867 ng/ml
Benzoylcegonine	3.896	35963	290.91	37.2	204.53	12781	99.5872 ng/ml
Bromazolam	5.814	296652	759.34	124.0	456947.97	136804	100.4580 ng/ml
Buprenorphine	5.690	32239	30884.61	14.9	6916.97	121722	10.4513 ng/ml
Bupropion	4.792	1600634	215.27	67.7	3175.39	430119	99.3389 ng/ml
Carisoprodol	5.730	603415	313803.77	61.3	7283.08	254640	95.4425 ng/ml
Citalopram	5.227	1208850	31310.94	33.8	181929.84	523827	96.4782 ng/ml
Clonazepam	5.618	564056	∞	34.7	219880.35	85861	104.2023 ng/ml
Clonazolam	5.561	520625	3759.68	33.5	202317.19	85861	103.3712 ng/ml
Cocaine	4.264	1083642	151854.63	50.6	565.98	870759	100.1541 ng/ml
Codeine	2.589	108514	87.83	101.7	73.59	60074	112.1778 ng/ml
Cyclobenzaprine	5.627	1102242	716948.86	9.3	218.77	512416	96.9538 ng/ml
Dextromethorphan	5.284	750401	179.09	83.0	177016.80	354576	101.9439 ng/ml
Dextrorphan	4.123	470970	1448.26	208.3	737.04	576115	100.1881 ng/ml
Diazepam	5.954	512923	3222.94	89.3	458.12	238240	102.1390 ng/ml
Dihydrocodeine	2.575	325964	16695.82	61.2	15894.67	198789	103.8922 ng/ml
Diphenhydramine	5.305	3274330	37860.11	29.1	23895.52	1571045	98.9758 ng/ml
Doxylamine	4.545	2701222	142806.10	98.4	6759.80	1263454	96.2452 ng/ml
Duloxetine	5.653	126702	6457.34	11.7	11957.15	70983	100.0512 ng/ml
EDDP	5.270	1188497	14256.04	42.3	208.03	607533	98.3922 ng/ml
Etizolam	5.814	375846	28579.45	26.9	23929.37	85861	98.5865 ng/ml
Fentanyl	5.090	112161	2862.96	81.4	104864.28	591314	9.8112 ng/ml
Fluorofentanyl	5.144	317161	395.79	41.0	8173.65	5177	10.2177 ng/ml
Fluoxetine	5.707	1424110	25205.55	7.3	120745.43	475425	98.5838 ng/ml

CS TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	422881	93.09	33.7	369.79	228608	103.7210 ng/ml
Hydromorphone	1.629	311916	440982.17	76.4	12016.47	102674	100.0105 ng/ml
Hydroxyzine	5.697	1138729	19830.27	79.0	443195.11	354576	96.9004 ng/ml
Ketamine	4.048	982506	303.21	35.7	730.67	405944	102.1659 ng/ml
Lamotrigine	4.287	93287	5645.82	82.2	130555.28	1172021	1039.9490 ng/ml
Lorazepam	5.747	333416	11197.71	51.9	1546.33	292928	96.0435 ng/ml
MDA	3.215	1049476	4540.17	32.1	5294.73	366149	105.5240 ng/ml
MDMA	3.309	978411	6659.99	91.3	10098.17	104803	98.6762 ng/ml
Meprobamate	4.923	211943	64481.89	34.9	6301.71	103193	102.0171 ng/ml
Methadone	5.659	2130864	4621.79	49.9	1687.68	777040	97.6774 ng/ml
Methamphetamine	3.243	2012247	1107.89	38.8	12719.56	767954	104.8575 ng/ml
Metoprolol	4.333	279664	455093.83	104.8	238360.60	1066186	101.9528 ng/ml
Mirtazapine	4.614	2028383	120191.02	53.2	2974.73	627012	95.7762 ng/ml
Mitragynine	5.218	446268	423.19	32.9	1129.06	777040	100.2447 ng/ml
Morphine	1.261	62431	4452.43	34.6	242.15	8959	104.2265 ng/ml
Norbuprenorphine	4.999	4020	4562.53	98.4	2588.55	22798	10.3080 ng/ml
Nordiazepam	5.900	519088	7945.16	57.6	26706.09	172004	103.7164 ng/ml
Norfentanyl	4.090	204989	471237.80	37.2	6077.45	926086	9.7619 ng/ml
Norhydrocodone	3.077	87465	241.98	34.8	83.35	53549	102.6190 ng/ml
Noroxycodone	2.927	245725	3075.36	47.7	3978.35	81953	102.5700 ng/ml
O-desmethyl-tramadol	3.376	2473437	87644.42	5.6	166.37	1434531	97.0878 ng/ml
o-desmethylvenlafaxine	4.075	3188375	105449.56	15.6	6044.49	25282	95.4707 ng/ml
Olanzapine	4.400	358365	896.80	55.6	204.55	87155	105.0919 ng/ml
Oxazepam	5.756	537461	7138.45	71.4	5292.54	292928	105.9752 ng/ml
Oxycodone	2.845	695754	4778.62	29.3	1372.69	260041	101.9337 ng/ml
Oxymorphone	1.419	204463	∞	46.6	∞	72807	100.2163 ng/ml
Phentermine	3.792	482098	∞	7.3	1165.96	548628	105.1880 ng/ml
Promethazine	5.544	1800479	719.59	32.6	∞	922815	93.5093 ng/ml
Pseudoephedrine	2.613	2767010	114021.27	16.6	427.91	1172021	95.4832 ng/ml
Quetiapine	5.526	1515949	46270.73	55.5	747589.66	209277	103.9452 ng/ml
Sertraline	5.776	409739	554.60	97.8	352.64	181373	96.7590 ng/ml
Temazepam	5.824	1134278	849.70	28.4	1229.95	517398	96.2532 ng/ml
Tramadol	4.252	2233452	460.89	3.7	174.92	1066186	100.8243 ng/ml
Trazodone	5.075	1937801	1304.40	58.9	656105.53	594949	105.1003 ng/ml
Venlafaxine	5.051	1947506	108152.30	37.5	849.91	1137134	93.2682 ng/ml
Xylazine	4.083	894533	77960.67	44.9	2183.88	401324	100.3281 ng/ml
Zolpidem	4.845	2246764	3453.53	28.0	4236.46	878073	101.7491 ng/ml

CS TS



# AM #28 Multi-Drug Quant. Results

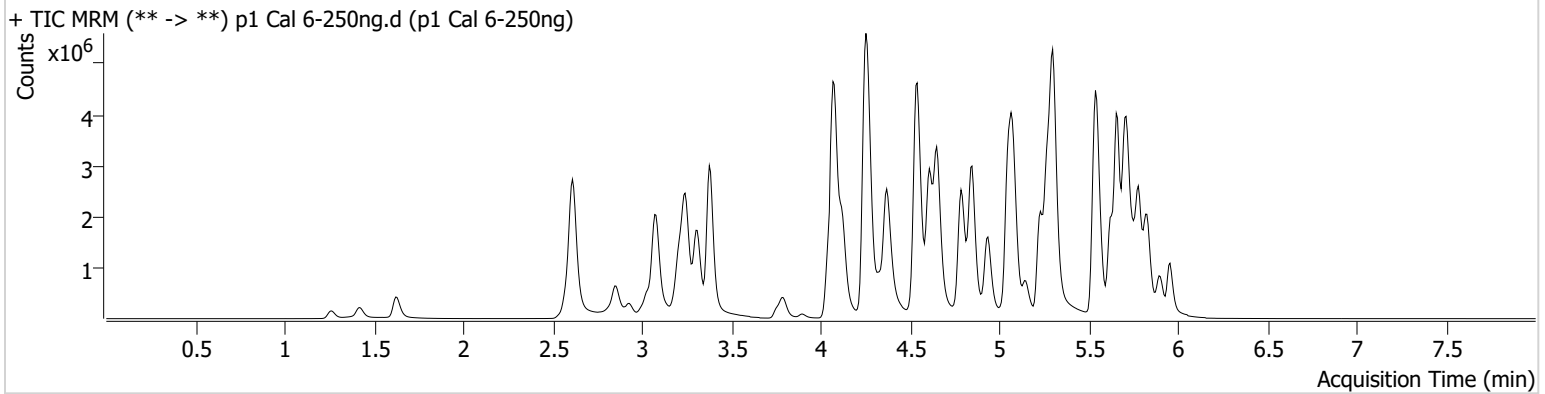
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**Calibration Last Update** 1/16/2024 1:40:43 PM

**Instrument** Falco (069901)  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-F1  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 2:39:23 PM  
**Sample Info.**

**Data File** p1 Cal 6-250ng.d  
**Sample** p1 Cal 6-250ng  
**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	3.143	57002	50069.38	76.2	17434.32	62959	25.5303 ng/ml
7-aminoclonazepam	4.264	638038	28769.98	75.9	23052.32	128598	254.3185 ng/ml
9-hydroxyrisperidone	4.644	175550	6486.96	3626.9	8231.14	987068	255.0695 ng/ml
a-hydroxyalprazolam	5.698	190551	859.94	70.9	398.95	35875	242.9740 ng/ml
alpha-PHP	4.936	1025608	10616.50	267.1	2394.64	581218	255.5785 ng/ml
alpha-PVP	4.369	3773162	88917.49	50.2	64323.54	581218	254.4534 ng/ml
Alprazolam	5.775	1402282	1164.61	110.3	767.92	224787	264.0012 ng/ml
Amphetamine	3.080	4366559	2894.64	43.9	43042.27	261836	235.5970 ng/ml
Benzoylcegonine	3.896	88163	1728.79	36.5	45578.16	11808	263.9590 ng/ml
Bromazolam	5.814	555739	496971.80	123.4	126594.96	102766	250.8797 ng/ml
Buprenorphine	5.690	72203	76801.06	14.5	5024.84	109441	26.0876 ng/ml
Bupropion	4.785	3954023	371790.05	68.1	58855.78	418133	251.7062 ng/ml
Carisoprodol	5.730	1118768	114982.00	60.0	16189.54	184034	244.1127 ng/ml
Citalopram	5.227	2799389	183787.15	33.9	39676.44	455731	255.3830 ng/ml
Clonazepam	5.611	932645	89689.08	34.2	20191.09	61266	242.0532 ng/ml
Clonazolam	5.561	917264	1044914.46	34.6	212885.25	61266	255.4354 ng/ml
Cocaine	4.264	2455851	58853.90	51.2	36737.04	795410	248.3679 ng/ml
Codeine	2.589	225255	176.83	98.6	149.87	54113	259.4495 ng/ml
Cyclobenzaprine	5.627	2596512	140030.36	8.6	1103.64	462906	251.2589 ng/ml
Dextromethorphan	5.277	1676955	1124.52	78.7	52465.32	324955	248.4022 ng/ml
Dextrorphan	4.123	1060582	406589.72	215.7	1296.65	526184	246.4497 ng/ml
Diazepam	5.954	1119639	340.04	89.5	6820.52	206705	253.7201 ng/ml
Dihydrocodeine	2.575	733384	20641.30	65.2	16791.25	192840	241.1959 ng/ml
Diphenhydramine	5.305	7635999	62218.25	29.1	44166.47	1428837	252.8429 ng/ml
Doxylamine	4.538	7087793	137910.77	96.5	68713.48	1234280	257.4173 ng/ml
Duloxetine	5.653	253898	1625.55	11.0	1401.73	55009	258.3516 ng/ml
EDDP	5.263	3407183	90399.91	41.2	114295.42	678210	251.7829 ng/ml
Etizolam	5.814	772333	1331.30	27.7	856.91	61266	281.9830 ng/ml
Fentanyl	5.090	271905	10283.70	78.9	13716.00	543256	25.7106 ng/ml
Fluorofentanyl	5.144	798773	29914.33	40.9	6333.52	5144	25.8093 ng/ml
Fluoxetine	5.714	2937174	62908.46	7.2	∞	391689	245.8278 ng/ml

CS TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	998092	1021.73	35.2	570.56	223526	250.4439 ng/ml
Hydromorphone	1.622	747376	3444574.36	76.7	1530587.35	96619	254.3872 ng/ml
Hydroxyzine	5.697	2693993	90621.21	80.2	1810867.07	324955	249.3648 ng/ml
Ketamine	4.041	2283504	71925.37	35.6	15779.45	391078	246.9076 ng/ml
Lamotrigine	4.287	189925	745.68	90.1	235545.70	1023836	2424.4140 ng/ml
Lorazepam	5.747	447916	24793.93	52.8	1501.36	167351	227.4615 ng/ml
MDA	3.215	2082007	14025.74	31.6	43407.45	309518	248.9156 ng/ml
MDMA	3.309	2320108	10320.96	92.0	14268.14	97922	249.8378 ng/ml
Meprobamate	4.923	413827	984264.46	32.5	133.05	96707	213.5215 ng/ml
Methadone	5.659	5188994	67996.33	47.7	65270.67	726701	253.3322 ng/ml
Methamphetamine	3.243	4776533	56391.31	38.5	6214.17	763331	250.9894 ng/ml
Metoprolol	4.326	629477	863434.20	106.4	3247.12	969681	252.4143 ng/ml
Mirtazapine	4.607	4983852	25771.93	50.8	1194.17	581218	252.8170 ng/ml
Mitragynine	5.218	1051235	36981.34	33.5	1392.92	726701	251.4879 ng/ml
Morphine	1.261	144940	860.38	33.5	372.27	8840	245.5893 ng/ml
Norbuprenorphine	4.999	8711	214625.53	109.1	286.84	22236	23.1722 ng/ml
Nordiazepam	5.900	939402	468.32	59.5	4143.25	129494	249.3811 ng/ml
Norfentanyl	4.090	414993	10546.19	38.1	2673.36	722099	25.2256 ng/ml
Norhydrocodone	3.077	222491	572.76	37.3	111.94	48711	284.8488 ng/ml
Noroxycodone	2.927	558063	749.91	49.8	835.86	75399	253.2983 ng/ml
O-desmethyl-tramadol	3.376	6055859	183368.27	5.7	3836.62	1347998	252.0774 ng/ml
o-desmethylvenlafaxine	4.085	7003279	244106.43	15.2	4591.57	20093	262.3642 ng/ml
Olanzapine	4.393	930815	513.99	57.6	1494.25	90002	264.2411 ng/ml
Oxazepam	5.756	707934	4139.97	71.8	6145.34	167351	245.0231 ng/ml
Oxycodone	2.852	1686511	7424.27	29.4	5662.46	257503	249.3336 ng/ml
Oxymorphone	1.419	480497	∞	47.7	763.97	68990	248.4011 ng/ml
Phentermine	3.792	1051806	∞	7.0	2336.24	511371	246.8923 ng/ml
Promethazine	5.544	4609900	3137.32	32.2	984.42	869081	252.6611 ng/ml
Pseudoephedrine	2.613	6389501	447.38	16.5	53075.19	1023836	251.0081 ng/ml
Quetiapine	5.526	3376367	2118346.45	58.2	90208.02	197739	245.5072 ng/ml
Sertraline	5.776	838251	966.82	97.0	525348.48	145992	245.1911 ng/ml
Temazepam	5.824	1836989	1087.73	28.2	7409.87	322154	249.2663 ng/ml
Tramadol	4.245	5350095	956.86	3.6	147.60	969681	265.4006 ng/ml
Trazodone	5.068	4219457	136010.90	63.4	1176.07	574372	237.7082 ng/ml
Venlafaxine	5.044	4820074	1008.08	35.7	440.16	1026750	254.2517 ng/ml
Xylazine	4.083	2084612	58806.71	47.5	27246.77	374242	250.0982 ng/ml
Zolpidem	4.845	5674420	14516.19	27.2	1126261.29	874942	257.4668 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

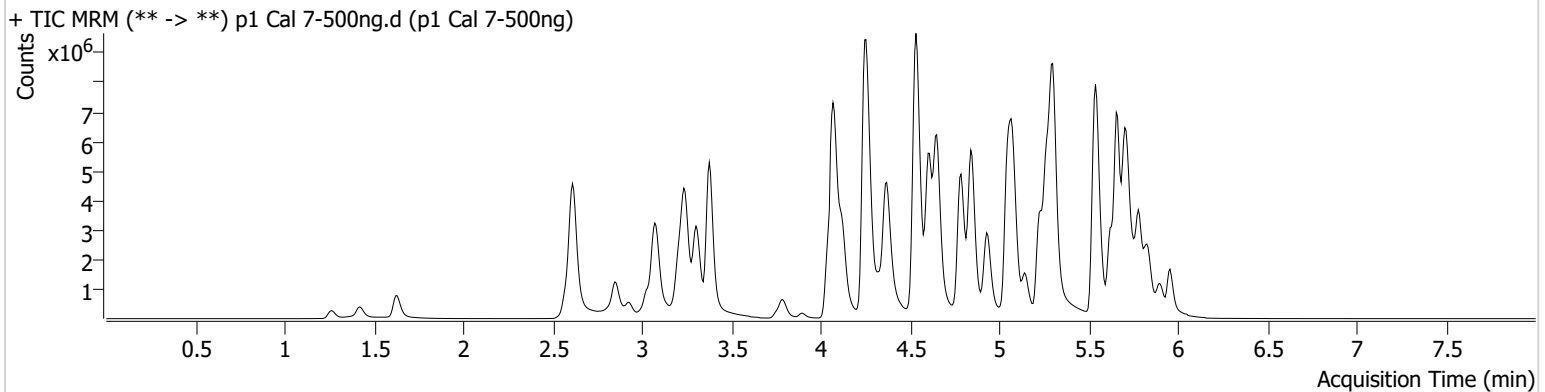


**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin  
**Calibration Last Update** 1/16/2024 1:40:43 PM

**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** P2-G1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 2:50:00 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	3.136	114602	257766.11	75.8	364.59	63219	51.0934 ng/ml
7-aminoclonazepam	4.264	792016	∞	75.5	4843.50	93113	436.0383 ng/ml
9-hydroxyrisperidone	4.644	345101	3435.53	3851.4	38130.57	973559	508.2737 ng/ml
a-hydroxyalprazolam	5.698	238597	130.63	68.6	463.98	22050	495.1375 ng/ml
alpha-PHP	4.929	1973952	1665.21	266.1	6322.95	558373	511.6739 ng/ml
alpha-PVP	4.363	7216227	735.59	50.0	108826.39	558373	506.0907 ng/ml
Alprazolam	5.775	2265769	606.43	107.5	374.14	183061	523.0359 ng/ml
Amphetamine	3.074	7193853	164722.42	43.8	4819.65	236944	429.7907 ng/ml
Benzoylcegonine	3.896	189325	8143.77	37.8	105.28	13309	502.7708 ng/ml
Bromazolam	5.814	786245	743.50	127.2	717477.70	73999	493.1439 ng/ml
Buprenorphine	5.690	118118	32944.74	14.3	13443.69	93456	50.0095 ng/ml
Bupropion	4.785	7960558	101579.23	68.2	84710.79	418892	505.3621 ng/ml
Carisoprodol	5.730	1592304	38002.71	61.8	12531.67	121465	525.8655 ng/ml
Citalopram	5.227	4887734	220801.88	34.8	969.67	397654	510.1672 ng/ml
Clonazepam	5.611	1114459	25854.43	34.8	5839.98	42686	415.4606 ng/ml
Clonazolam	5.561	1222781	1342845.22	36.4	317543.61	42686	488.8542 ng/ml
Cocaine	4.264	4478219	83824.55	51.2	925.12	709721	507.4984 ng/ml
Codeine	2.589	352399	7217.76	103.2	21213.82	51825	424.2641 ng/ml
Cyclobenzaprine	5.627	4653708	34478.24	8.4	602.10	407711	510.2909 ng/ml
Dextromethorphan	5.277	2798602	325.58	78.2	513.15	264030	510.0718 ng/ml
Dextrorphan	4.123	1904884	7712.54	218.7	27266.89	465881	499.5347 ng/ml
Diazepam	5.954	1926084	229.86	87.3	4733.28	178326	505.8618 ng/ml
Dihydrocodeine	2.568	1374246	16940.64	65.0	19417.50	203849	427.6921 ng/ml
Diphenhydramine	5.298	14285366	593.78	28.8	769.90	1267462	532.5684 ng/ml
Doxylamine	4.532	15099956	88022.87	93.4	1803.77	1246588	542.2733 ng/ml
Duloxetine	5.647	365491	6240.11	11.9	725.17	40521	504.6490 ng/ml
EDDP	5.263	7088413	1253.10	40.6	34777.46	693148	511.9386 ng/ml
Etizolam	5.814	1298873	2851.57	28.2	510425.23	42686	679.1912 ng/ml
Fentanyl	5.090	534253	1611.74	78.6	13530.24	490637	55.8077 ng/ml
Fluorofentanyl	5.137	1696751	33652.73	40.1	19366.78	5475	51.4575 ng/ml
Fluoxetine	5.714	4593916	129026.72	7.2	6856.12	294332	510.9752 ng/ml



CS TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	1992088	∞	35.8	∞	222893	501.3309 ng/ml
Hydromorphone	1.629	1472193	3462812.95	76.4	6500389.19	96932	499.3182 ng/ml
Hydroxyzine	5.690	5069472	1297435.88	82.2	38686.22	264030	576.8790 ng/ml
Ketamine	4.041	4123546	267317.98	34.9	849.58	376559	463.3232 ng/ml
Lamotrigine	4.287	299840	1151.83	85.0	43214.27	913382	4290.7644 ng/ml
Lorazepam	5.747	533856	9988.26	52.0	418.09	92864	489.9293 ng/ml
MDA	3.208	3368376	5309.12	31.1	7441.51	274388	455.0451 ng/ml
MDMA	3.302	4434371	107382.49	90.1	3570.02	87747	532.4437 ng/ml
Meprobamate	4.916	610367	52729.94	33.6	4528.63	83383	365.8919 ng/ml
Methadone	5.659	10094739	818.94	47.1	∞	678147	527.4421 ng/ml
Methamphetamine	3.243	8926392	136026.37	37.6	7024.49	808011	443.4314 ng/ml
Metoprolol	4.326	1113779	1888477.56	106.2	60976.84	940840	460.3592 ng/ml
Mirtazapine	4.607	9802515	649327.83	49.4	117530.89	558373	516.9311 ng/ml
Mitragynine	5.211	1931398	1868.80	33.3	198371.70	678147	494.4890 ng/ml
Morphine	1.261	271576	189.58	34.8	13917.00	8531	477.1192 ng/ml
Norbuprenorphine	4.992	17144	20043.16	105.0	∞	21190	48.0885 ng/ml
Nordiazepam	5.900	1288353	29563.06	57.7	3366.02	91809	482.4458 ng/ml
Norfentanyl	4.090	620823	20562.49	38.2	5291.41	510371	53.3085 ng/ml
Norhydrocodone	3.077	453703	259.72	36.7	∞	41824	674.8889 ng/ml
Noroxycodone	2.927	1055580	1108.31	48.6	9431.12	73795	489.5946 ng/ml
O-desmethyl-tramadol	3.376	12094718	212702.53	5.7	365.58	1296036	523.0364 ng/ml
o-desmethylvenlafaxine	4.081	11353806	35.63	15.4	4615.45	16240	525.4419 ng/ml
Olanzapine	4.387	1821856	2539.56	60.5	2771.92	95517	487.2790 ng/ml
Oxazepam	5.756	728656	4181.71	72.7	4222.78	92864	454.9322 ng/ml
Oxycodone	2.845	3397713	6003.62	29.5	2288.66	262058	493.4573 ng/ml
Oxymorphone	1.419	945082	∞	45.4	330.27	67653	498.1365 ng/ml
Phentermine	3.792	1757897	2194.51	7.1	173.05	526968	400.7367 ng/ml
Promethazine	5.544	9186886	4163.46	31.3	3112.82	828578	527.1418 ng/ml
Pseudoephedrine	2.613	12098490	217966.49	15.9	49655.40	913382	531.8079 ng/ml
Quetiapine	5.519	6222836	617.36	58.6	1082.44	203374	440.2309 ng/ml
Sertraline	5.776	1317287	1476.31	94.1	395.89	101662	552.7315 ng/ml
Temazepam	5.831	2078961	52578.73	28.0	4168.69	176835	513.2001 ng/ml
Tramadol	4.245	9832904	775.72	3.6	338.06	940840	502.6461 ng/ml
Trazodone	5.068	7462929	1176.06	65.9	108942.89	558091	433.1291 ng/ml
Venlafaxine	5.044	9634171	474603.85	33.2	2453.73	979172	531.9972 ng/ml
Xylazine	4.083	3874654	2394.67	49.8	27438.98	338117	514.0812 ng/ml
Zolpidem	4.838	11473884	8474.98	26.1	122486.66	899164	506.3118 ng/ml

CS TS



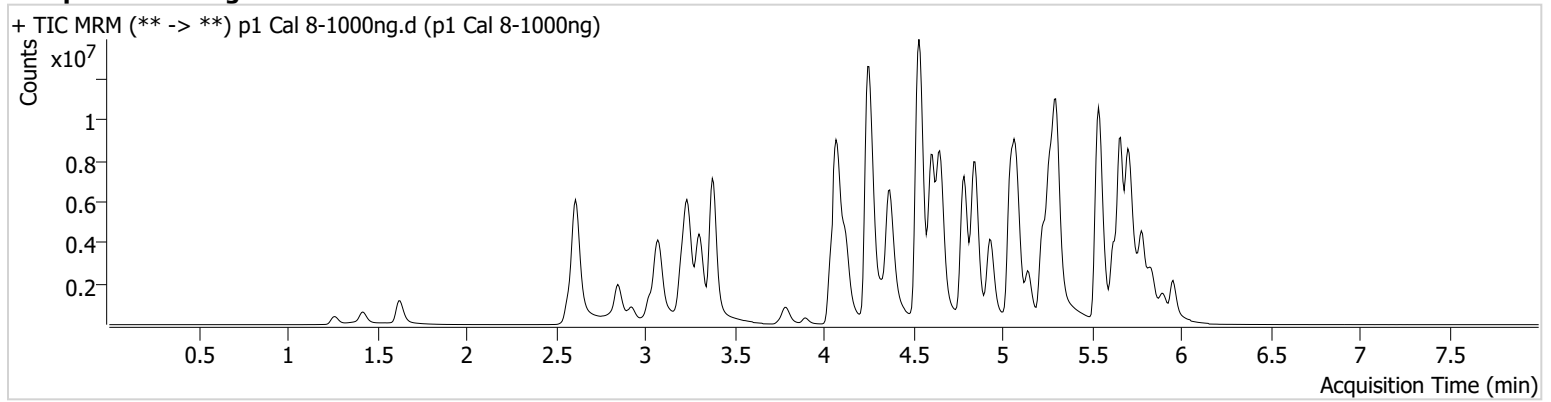
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2024\AM 27 28\011124 AM 27 28 TS\AM 28 reinjects\QuantResults\AM28.batch.bin  
**Calibration Last Update** 1/16/2024 1:40:43 PM

**Instrument** Falco (069901) **Data File** p1 Cal 8-1000ng.d  
**Type** Cal **Sample** p1 Cal 8-1000ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P2-H1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 1/12/2024 3:00:38 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	3.136	184067	315636.20	73.6	250330.61	49418	104.9560 ng/ml
7-aminoclonazepam	4.271	805096	8872.28	74.6	2489.17	51290	804.7105 ng/ml
9-hydroxyrisperidone	4.644	527987	1133979.91	3716.0	218686.65	737978	1025.7609 ng/ml
a-hydroxyalprazolam	5.698	234271	85.53	72.5	273.34	11008	973.9688 ng/ml
alpha-PHP	4.936	2923048	50947.40	271.4	3747.12	411429	1027.9485 ng/ml
alpha-PVP	4.363	10770800	171271.76	50.1	102469.92	411429	1024.6869 ng/ml
Alprazolam	5.782	2933161	203.37	109.4	214.04	120424	1028.5344 ng/ml
Amphetamine	3.074	9679681	2565.98	43.6	6870.47	184373	743.9718 ng/ml
Benzoylcegonine	3.896	348287	24512.21	36.6	1388.73	12556	980.1523 ng/ml
Bromazolam	5.814	993622	62070.66	126.2	1720349.32	47115	979.0663 ng/ml
Buprenorphine	5.690	143026	141471.41	14.9	15629.25	63685	88.8903 ng/ml
Bupropion	4.785	12273982	879435.29	67.2	338575.60	329918	988.8786 ng/ml
Carisoprodol	5.730	1886441	3123051.89	62.5	22809.78	68885	1098.0428 ng/ml
Citalopram	5.227	6584995	129873.33	33.4	643673.66	250568	1089.8163 ng/ml
Clonazepam	5.611	1165421	23145.91	34.6	2763.61	26606	697.3314 ng/ml
Clonazolam	5.568	1406180	1891067.49	36.2	779438.64	26606	902.0436 ng/ml
Cocaine	4.264	6319273	342.02	50.7	344.57	500642	1015.1354 ng/ml
Codeine	2.589	484258	12586.90	101.5	27411.71	37301	810.6747 ng/ml
Cyclobenzaprine	5.627	6606340	1793.63	8.2	11642.77	267904	1101.3085 ng/ml
Dextromethorphan	5.277	3609125	37788.24	77.9	14759.66	170444	1018.8507 ng/ml
Dextrorphan	4.123	2808020	29799.30	217.6	484453.17	334021	1026.6523 ng/ml
Diazepam	5.954	2671303	1797.90	88.7	1994.23	134718	928.6279 ng/ml
Dihydrocodeine	2.568	2033907	38628.14	65.1	436.74	165585	779.4171 ng/ml
Diphenhydramine	5.305	19480524	533.63	30.1	484.29	886901	1037.2983 ng/ml
Doxylamine	4.538	23319718	2288.49	94.5	183610.68	1020098	1022.8290 ng/ml
Duloxetine	5.647	388053	18360.30	13.5	24730.01	23312	931.1344 ng/ml
EDDP	5.263	11274802	2779.26	40.4	132206.58	530152	1064.0265 ng/ml
Etizolam	5.821	1720693	8692.34	28.0	403.04	26606	1442.3879 ng/ml
Fentanyl	5.090	873790	5794.27	77.1	1216522.25	351840	127.1433 ng/ml
Fluorofentanyl	5.144	2931024	187051.07	40.2	62514.61	4900	99.2583 ng/ml
Fluoxetine	5.714	5934217	55596.06	6.8	1236678.62	178626	1086.8819 ng/ml



CS TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.023	3105352	2956.42	37.3	∞	189200	920.7089 ng/ml
Hydromorphone	1.629	2320755	9511177.12	77.6	6962988.59	77849	979.9042 ng/ml
Hydroxyzine	5.697	7164172	5230.87	83.6	473367.72	170444	1262.2908 ng/ml
Ketamine	4.041	5730444	203208.31	34.3	104383.80	297949	813.9835 ng/ml
Lamotrigine	4.287	354398	25864.66	87.8	446.84	647063	7159.2061 ng/ml
Lorazepam	5.747	619423	36197.97	49.8	2686.39	48478	1090.3978 ng/ml
MDA	3.208	4532094	20403.03	30.0	36262.90	204444	822.4794 ng/ml
MDMA	3.302	6201154	2382.34	91.5	72378.94	65270	1000.6674 ng/ml
Meprobamate	4.916	745863	20313.75	33.6	∞	65843	566.7108 ng/ml
Methadone	5.659	14241971	248775.72	48.6	177143.45	476519	1058.3625 ng/ml
Methamphetamine	3.236	13316221	1323666.17	36.6	116014.59	660996	808.9733 ng/ml
Metoprolol	4.326	1510440	2437.22	105.9	37990.21	731679	802.8281 ng/ml
Mirtazapine	4.607	14758974	10562.66	49.2	151867.33	411429	1055.6185 ng/ml
Mitragynine	5.220	2830587	1149.12	33.7	893.76	476519	1030.6270 ng/ml
Morphine	1.261	417126	1017.89	33.2	2192.83	6580	950.3189 ng/ml
Norbuprenorphine	4.999	31311	49406.07	100.2	23460.88	18132	102.8898 ng/ml
Nordiazepam	5.900	1576113	231.09	60.0	8655.55	59715	907.4579 ng/ml
Norfentanyl	4.090	739242	444.98	38.5	∞	283610	114.1441 ng/ml
Norhydrocodone	3.077	692085	∞	36.1	531.10	35063	1227.0262 ng/ml
Noroxycodone	2.920	1652893	7717.10	49.5	∞	58514	966.9144 ng/ml
O-desmethyl-tramadol	3.376	18361249	207331.44	5.8	8282.61	983734	1045.5574 ng/ml
o-desmethylvenlafaxine	4.083	14527682	152231.39	15.2	22924.36	9790	1114.3293 ng/ml
Olanzapine	4.387	2911112	6998.58	60.3	8781.07	83440	891.2627 ng/ml
Oxazepam	5.756	732651	14409.15	74.1	3808.57	48478	876.7375 ng/ml
Oxycodone	2.845	5552773	5659.85	29.3	1539.09	220831	956.8720 ng/ml
Oxymorphone	1.419	1548800	∞	46.8	∞	58358	946.2830 ng/ml
Phentermine	3.792	2531264	1548.05	7.0	963.38	429820	707.8469 ng/ml
Promethazine	5.544	13692074	2990.31	29.7	53612.96	576832	1127.4928 ng/ml
Pseudoephedrine	2.613	17713607	176747.55	15.6	90857.95	647063	1098.1960 ng/ml
Quetiapine	5.519	8571967	∞	59.3	289428.35	159925	771.4443 ng/ml
Sertraline	5.776	1517270	25366.51	92.8	17058.92	62877	1028.9384 ng/ml
Temazepam	5.837	2319246	31222.15	28.2	4206.94	95343	1061.1224 ng/ml
Tramadol	4.245	13893345	410.65	3.7	307.91	731679	913.1573 ng/ml
Trazodone	5.075	10410191	141800.58	66.7	116538.26	444686	758.6554 ng/ml
Venlafaxine	5.044	14401135	87860.67	33.5	51957.97	726116	1071.5507 ng/ml
Xylazine	4.083	5857348	11077.80	49.7	20672.57	257027	1021.9126 ng/ml
Zolpidem	4.845	17381421	265538.53	26.8	244564.64	726371	949.2080 ng/ml