

Worklist: 7082

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2025-0719	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2025-0774	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2025-0800	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0549	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0551	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0554	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0577	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0589	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0593	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0629	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0630	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0631	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0634	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0650	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0657	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0665	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0668	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0675	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 03/12/2025

Plate lot#: 240528

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

Blank Blood Lot: Lampire 24C52817

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 03/12/2025

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

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

Pre-Analytic:

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

Analytic:

- ☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- ☒ 2. Using a calibrated pipette, pipette **250µL blood** into the appropriate wells of the analytical (standards) plate.
Pipette ID: 42
- ☒ 3. Pipette **250µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
- ☒ 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☒ 5. Transfer **300L of blood+base** mixture to corresponding wells of SLE+ plate.
- ☒ 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right). Manifold ID: 067104
- ☒ 7. Wait 5 minutes.
- ☒ 8. Add **900uL ethyl acetate**.
- ☒ 9. Wait 5 minutes.
- ☒ 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- ☒ 11. Add **900uL ethyl acetate**.
- ☒ 12. Wait 5 minutes.
- ☒ 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- ☒ 14. Remove plate containing eluate.
- ☒ 15. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
- ☒ 16. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- ☒ 17. Reconstitute in **100µL 20% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- ☒ 1. Create batch and process data.
- ☒ 2. Make necessary changes to integration limits
- ☒ 3. Integration linear and R² 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: Samples were extracted on 3/12/25 but not injected until 3/14/25 because the instrument was in use.

Compounds included in central file:

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

Amphetamine 5-100 --calibrators 6, 7, and 8 dropped due to accuracy/linearity- QUALITATIVE ONLY

Buprenorphine

2

Citalopram
Clonazepam 5-500 --calibrator 8 dropped due to accuracy/linearity
Diazepam
Duloxetine
Fentanyl
Hydromorphone-
Ketamine 5-250 --calibrators 7 and 8 dropped due to accuracy/linearity
Lorazepam
Methamphetamine 5-250 --calibrators 7 and 8 dropped due to accuracy/linearity
Norbuprenorphine 0.5-100 QUALITATIVE ONLY between 0.5 - 1 ng/mL
Nordiazepam
Olanzapine
Oxazepam
Ephedrine/Pseudoephedrine
Quetiapine
Temazepam
Zolpidem

9

	1	2	3	4	5	6	7	8	9	10	11	12
A									M2025-0719-1	P2025-0593-1	P2025-0668-1	IS + Cal. 8
B									M2025-0774-2	P2025-0629-1	P2025-0675-2	IS + Cal. 7
C									M2025-0800-1	P2025-0630-1	NEG Blood	IS + Cal. 6
D									P2025-0549-1	P2025-0631-1	IS + QC_2	IS + Cal. 5
E									P2025-0551-1	P2025-0634-1	IS + QC_4	IS + Cal. 4
F									P2025-0554-1	P2025-0650-1	IS + QC_3	IS + Cal. 3
G									P2025-0577-1	P2025-0657-4	IS + QC_2	IS + Cal. 2
H									P2025-0589-1	P2025-0665-1	IS + QC_1	IS + Cal. 1

AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Calibration Last Update 3/17/2025 12:16:21 PM

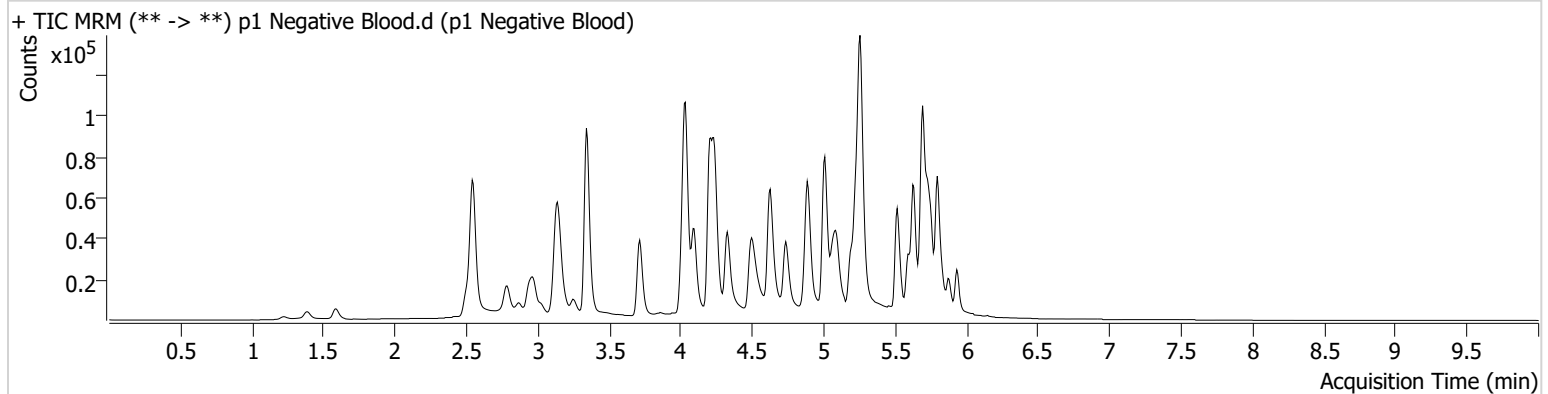
Instrument Falco (069901)
Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C11
Injection Volume 2
Acq. Date-Time 3/14/2025 10:43:37 PM
Sample Info.

Data File
Sample
Operator
Comment

p1 Negative Blood.d
p1 Negative Blood
Celena Shrum

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

Sample Chromatogram



AM #28 Multi-Drug Quant. Results



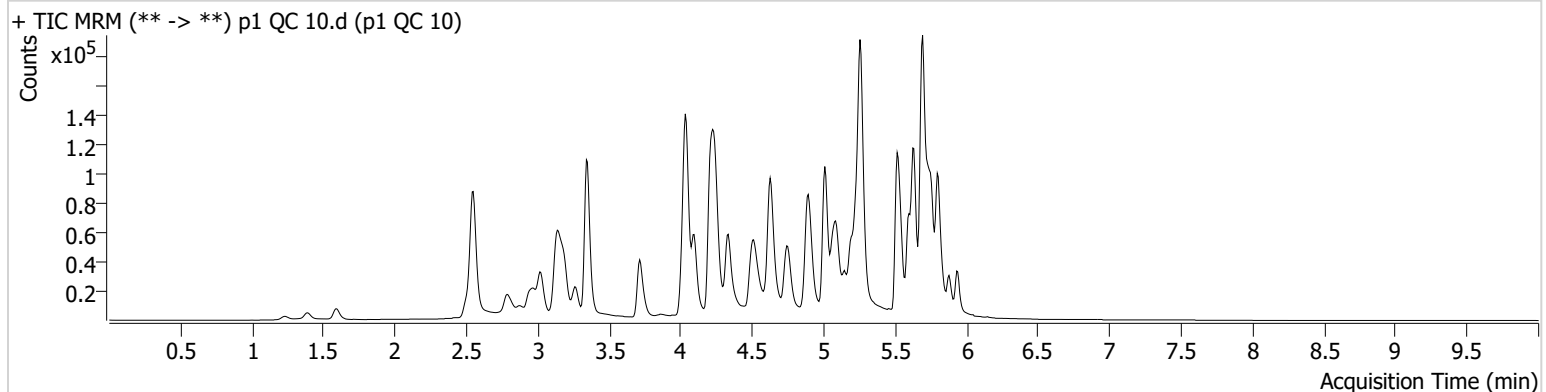
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Calibration Last Update 3/17/2025 12:16:21 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-H11
Injection Volume 2
Acq. Date-Time 3/14/2025 9:39:49 PM
Sample Info.

Data File p1 QC 10.d
Sample p1 QC 10
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.258	6220	100.59	82.2	188.57	23575	10.6258 ng/ml
Amphetamine	3.026	48929	4902.94	43.4	11804.35	49500	10.6697 ng/ml
Buprenorphine	5.855	767	641.01	14.4	121.86	25294	0.9877 ng/ml
Citalopram	5.195	23511	184.79	37.6	2192.01	99926	10.0569 ng/ml
Clonazepam	5.598	15367	6972.95	34.9	483.81	20717	10.6837 ng/ml
Diazepam	5.942	9825	293.13	87.6	175.88	42569	10.4558 ng/ml
Duloxetine	5.627	2272	1126.46	14.6	239.55	12742	9.9561 ng/ml
Fentanyl	5.084	2163	506.76	71.8	3703.11	126076	0.9479 ng/ml
Hydromorphone	1.596	5729	19391.38	67.2	283.40	18108	9.8201 ng/ml
Ketamine	4.028	16255	588.03	39.0	1079.66	71772	9.9193 ng/ml
Lorazepam	5.734	13582	176.04	52.6	133.25	89934	10.8650 ng/ml
Methamphetamine	3.195	36741	4380.25	36.0	995.09	125120	10.4781 ng/ml
Norbuprenorphine	4.973	136	72.95	91.4	54.47	4576	1.2829 ng/ml
Nordiazepam	5.888	10305	592.95	57.9	11900.93	31376	10.3879 ng/ml
Olanzapine	4.456	6944	515.90	49.7	33.09	18102	9.9492 ng/ml
Oxazepam	5.737	17449	145.47	75.0	387.87	89934	10.4707 ng/ml
Pseudoephedrine	2.559	47242	8521.89	17.2	4982.20	208728	9.9390 ng/ml
Quetiapine	5.541	31826	56028.06	55.4	20171.77	43621	10.3702 ng/ml
Temazepam	5.805	27788	235.58	28.0	63.76	118880	9.6904 ng/ml
Zolpidem	4.914	38454	3547.59	30.0	1799.44	159575	10.2044 ng/ml

AM #28 Multi-Drug Quant. Results



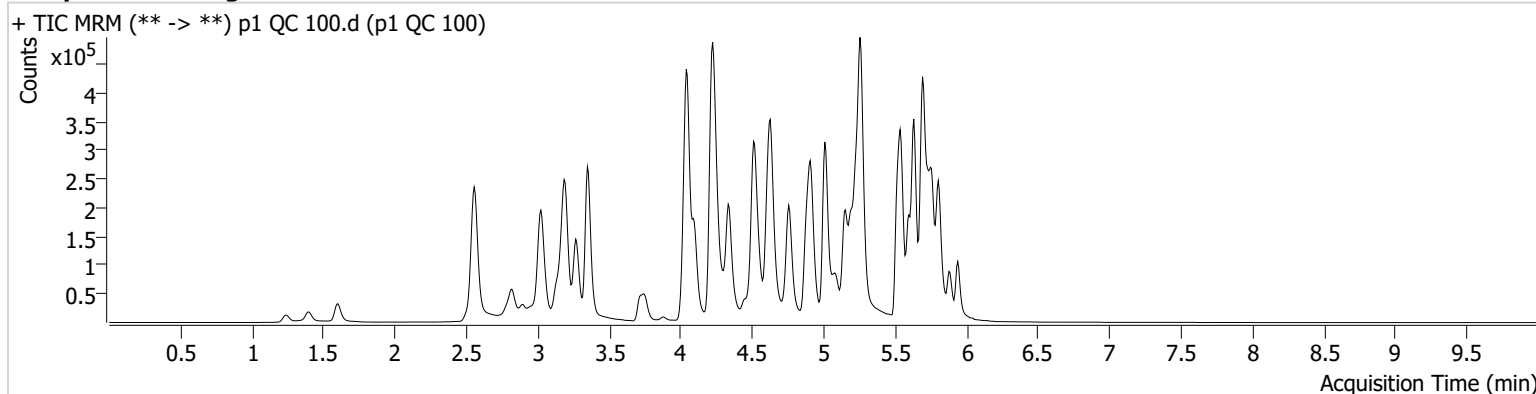
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Calibration Last Update 3/17/2025 12:16:21 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G11
Injection Volume 2
Acq. Date-Time 3/15/2025 5:27:57 AM
Sample Info.

Data File p1 QC 100.d
Sample p1 QC 100
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.265	28722	13725.39	80.4	2002.44	12592	99.2817 ng/ml
Amphetamine	3.026	388181	2408.98	43.8	2253.44	49824	89.5922 ng/ml
Buprenorphine	5.855	6966	5566.62	17.5	1115.08	26052	8.5692 ng/ml
Citalopram	5.195	223969	23928.95	37.6	347.36	91932	102.7364 ng/ml
Clonazepam	5.598	118875	53072.70	35.1	23839.51	17476	105.6860 ng/ml
Diazepam	5.942	91239	7164.30	89.1	3656.57	40988	99.8120 ng/ml
Duloxetine	5.627	9017	2046.48	15.4	910.58	5398	93.0524 ng/ml
Fentanyl	5.077	19771	93.59	72.6	512.44	110837	9.5242 ng/ml
Hydromorphone	1.602	57403	45376.08	75.1	6579.35	18764	96.5282 ng/ml
Ketamine	4.028	155274	1273.45	37.2	2852.97	71796	100.3186 ng/ml
Lorazepam	5.734	72810	1657.63	52.6	1087.22	57446	106.2249 ng/ml
Methamphetamine	3.195	359913	26156.84	35.9	14445.86	134741	101.9520 ng/ml
Norbuprenorphine	4.973	1059	284.59	91.7	274.90	4797	9.9065 ng/ml
Nordiazepam	5.888	84935	862.23	57.7	31545.38	26936	102.4473 ng/ml
Olanzapine	4.448	78625	553.36	46.9	1408.75	19900	100.4604 ng/ml
Oxazepam	5.737	109373	13678.58	75.5	2418.45	57446	109.0708 ng/ml
Pseudoephedrine	2.565	442652	1322.57	17.3	147458.46	193417	98.4926 ng/ml
Quetiapine	5.541	292673	123043.73	58.8	97257.84	42642	96.8237 ng/ml
Temazepam	5.811	201346	393.23	27.8	210.02	84440	97.2791 ng/ml
Zolpidem	4.914	410395	1111.12	29.6	40660.50	170281	102.0476 ng/ml

AM #28 Multi-Drug Quant. Results



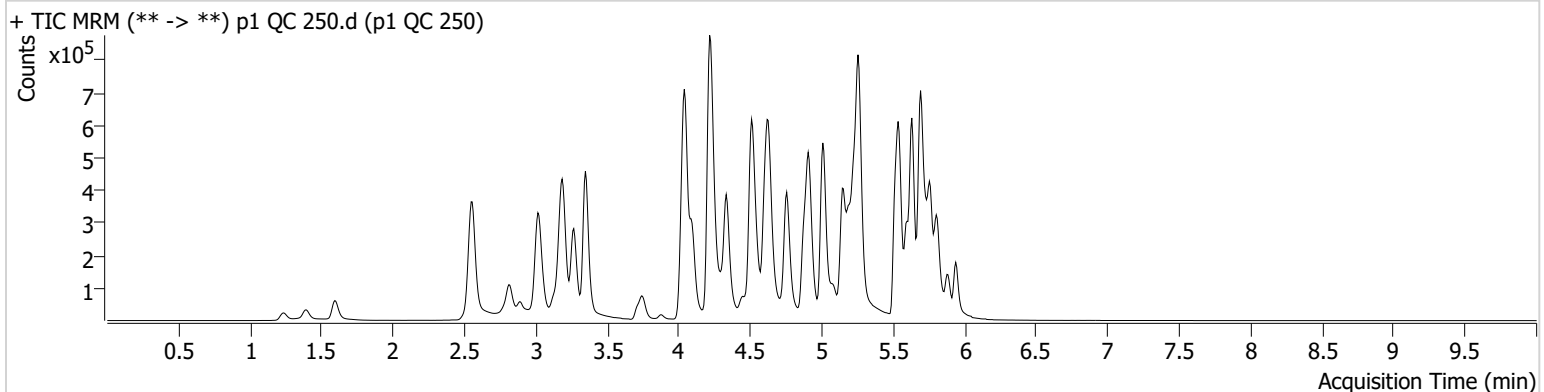
Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Calibration Last Update 3/17/2025 12:16:21 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F11
Injection Volume 2
Acq. Date-Time 3/14/2025 10:01:04 PM
Sample Info.

Data File p1 QC 250.d
Sample p1 QC 250
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.265	31160	3315.25	69.2	20413.40	6580	207.1391 ng/ml
Amphetamine	3.026	670573	96327.24	44.2	62298.08	42306	183.0976 ng/ml
Buprenorphine	5.855	17080	26272.18	16.2	2111.40	22489	24.3080 ng/ml
Citalopram	5.195	452010	28497.92	38.5	595.00	75354	252.7373 ng/ml
Clonazepam	5.598	185950	22302.06	35.3	22057.53	12056	240.8456 ng/ml
Diazepam	5.942	184699	1852.13	88.9	5340.42	33221	249.1180 ng/ml
Duloxetine	5.627	22088	6200.74	14.6	2747.06	4979	247.0750 ng/ml
Fentanyl	5.084	43464	281.19	70.9	31177.62	98027	23.6220 ng/ml
Hydromorphone	1.596	123820	6181.49	75.1	9985.06	15974	244.8564 ng/ml
Ketamine	4.021	298649	1507.48	37.5	4814.89	61538	225.9282 ng/ml
Lorazepam	5.728	91840	7045.09	53.6	1254.74	32924	236.2323 ng/ml
Methamphetamine	3.195	731784	30953.28	35.6	4321.53	123598	226.9765 ng/ml
Norbuprenorphine	4.966	2345	35.71	94.0	406.59	4064	25.9840 ng/ml
Nordiazepam	5.888	158997	1644.76	57.9	7631.58	20523	252.1726 ng/ml
Olanzapine	4.448	152323	11588.67	45.9	293.27	14788	261.5575 ng/ml
Oxazepam	5.737	143251	9300.25	74.7	3222.90	32924	250.1815 ng/ml
Pseudoephedrine	2.559	854994	144542.88	17.4	420.21	149192	246.3030 ng/ml
Quetiapine	5.541	600047	72174.47	59.9	167511.58	34683	243.9335 ng/ml
Temazepam	5.811	291838	14818.96	27.6	201.44	48868	243.3777 ng/ml
Zolpidem	4.914	882246	4654.22	29.6	418499.02	148339	251.8258 ng/ml

AM #28 Multi-Drug Quant. Results



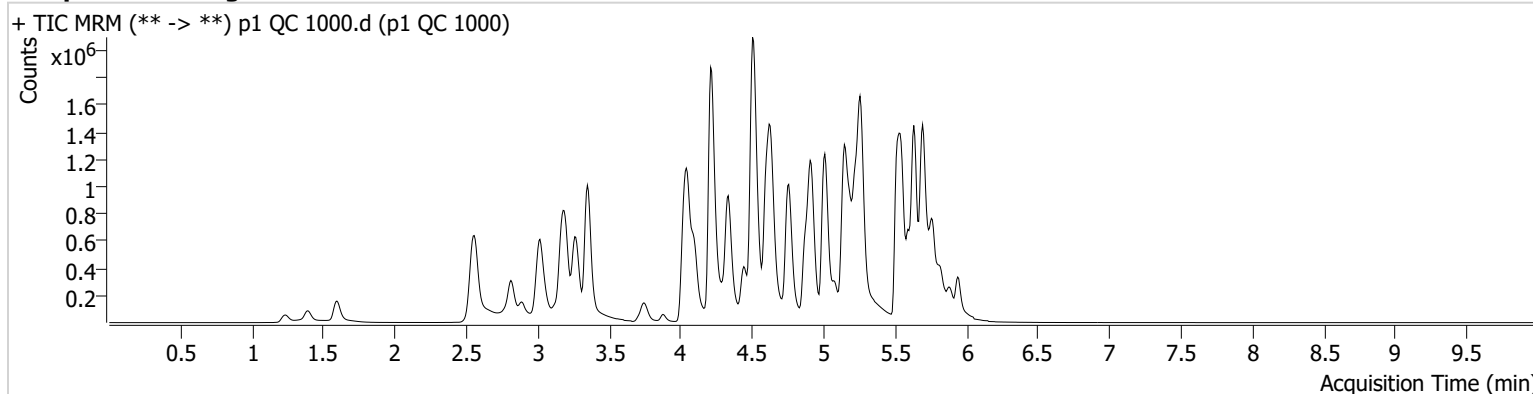
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Calibration Last Update 3/17/2025 12:16:21 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-E11
Injection Volume 2
Acq. Date-Time 3/14/2025 10:22:20 PM
Sample Info.

Data File p1 QC 1000.d
Sample p1 QC 1000
Operator Celena Shrum
Comment

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Sample Chromatogram



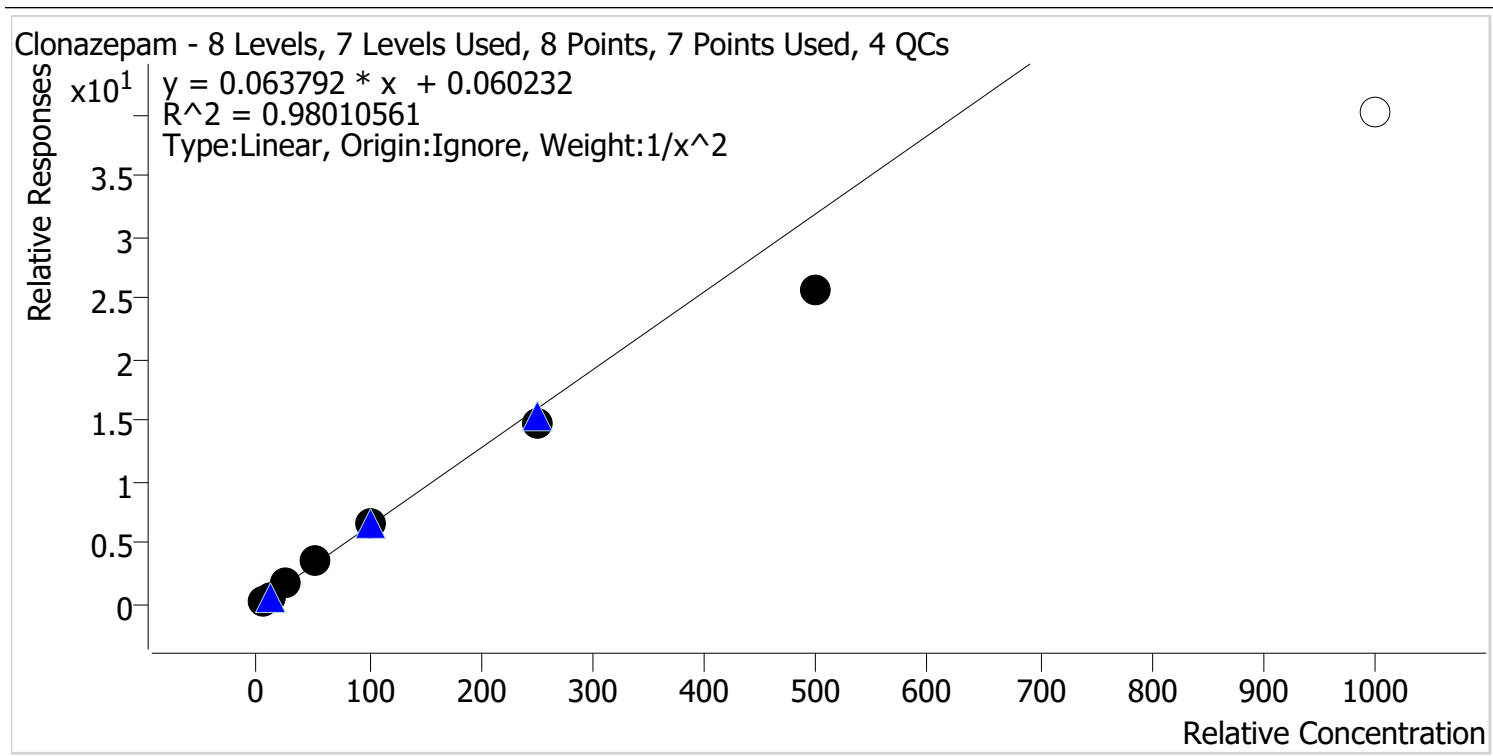
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.265	51576	3684.77	68.6	40268.17	1421	1594.6554 ng/ml
Amphetamine	3.019	1280672	120205.40	44.8	219803.61	37484	395.5850 ng/ml
Buprenorphine	5.855	68569	94407.61	16.0	8154.82	20492	107.0323 ng/ml
Citalopram	5.188	1010954	606.93	38.8	17136.33	42498	1001.8392 ng/ml
Clonazepam	5.585	169831	8315.86	34.8	5448.83	4299	618.3254 ng/ml
Diazepam	5.942	442970	∞	84.9	449.89	21221	935.0006 ng/ml
Duloxetine	5.620	53539	3965.55	14.7	3128.09	3317	898.9563 ng/ml
Fentanyl	5.077	227279	34412.27	70.4	139968.33	121073	99.8957 ng/ml
Hydromorphone	1.596	379011	1377814.74	75.0	659419.86	12671	945.4144 ng/ml
Ketamine	4.015	573479	691.74	38.1	30375.18	47273	565.7396 ng/ml
Lorazepam	5.728	114030	23728.43	51.9	157.74	9530	1020.0007 ng/ml
Methamphetamine	3.188	1757900	103531.44	36.3	13409.98	122600	550.8479 ng/ml
Norbuprenorphine	4.966	8185	8716.75	89.4	2151.81	3732	98.9570 ng/ml
Nordiazepam	5.888	261004	17606.75	60.2	501.91	9857	862.6228 ng/ml
Olanzapine	4.442	889693	25976.23	46.6	228020.05	21896	1031.1375 ng/ml
Oxazepam	5.737	139135	10322.58	75.9	4110.79	9530	841.1688 ng/ml
Pseudoephedrine	2.559	2069477	958.90	17.3	466677.50	89821	989.5562 ng/ml
Quetiapine	5.541	1374535	276136.75	63.4	184298.17	19915	972.8860 ng/ml
Temazepam	5.818	359719	12522.77	27.2	2823.29	14979	978.1737 ng/ml
Zolpidem	4.914	2497886	1204641.01	29.3	6457.87	112884	936.9256 ng/ml

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 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	4.6	92.2
p1 Cal 2-10ng	2	✓	10.0	10.9	108.6
p1 Cal 3 -25ng	3	✓	25.0	28.4	113.8
p1 Cal 4-50ng	4	✓	50.0	54.5	108.9
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	229.6	91.8
p1 Cal 7-500ng	7	✓	500.0	402.3	80.5
p1 Cal 8-1000ng	8	✗	1000.0	629.0	62.9

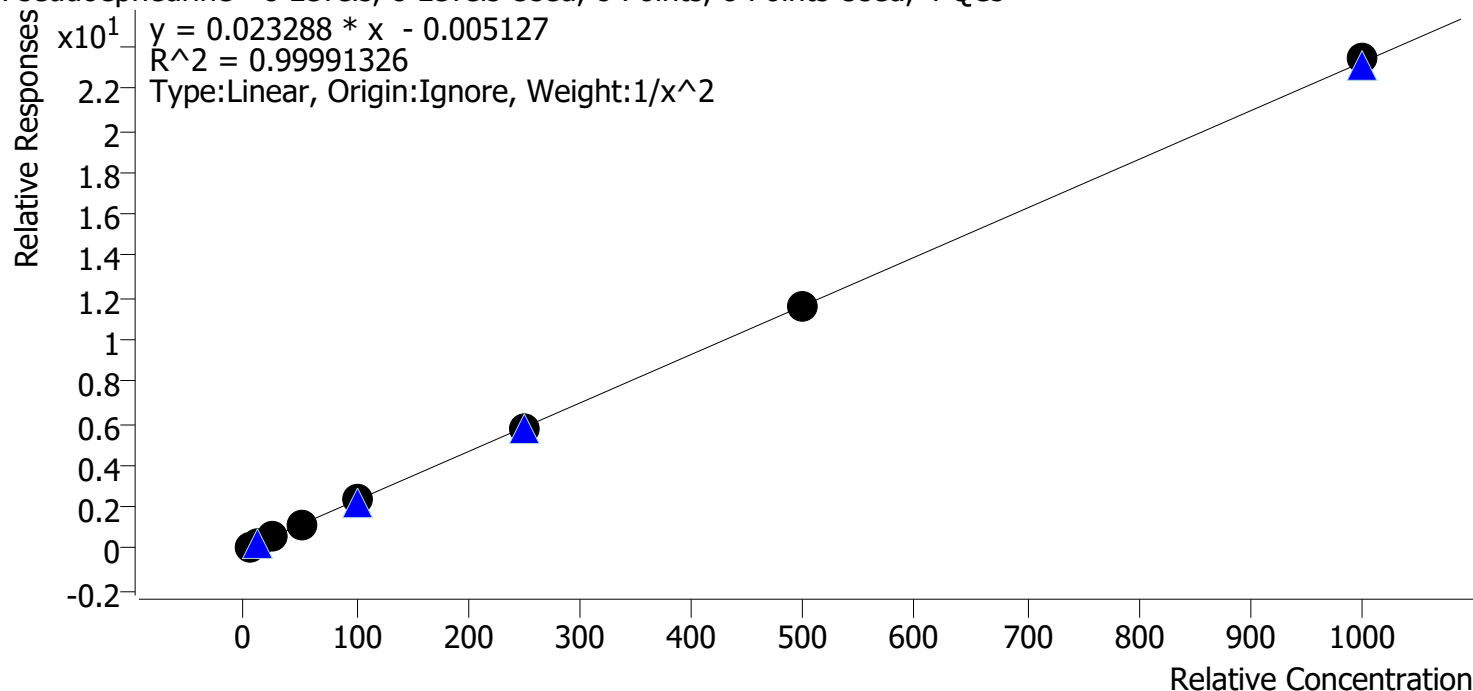
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



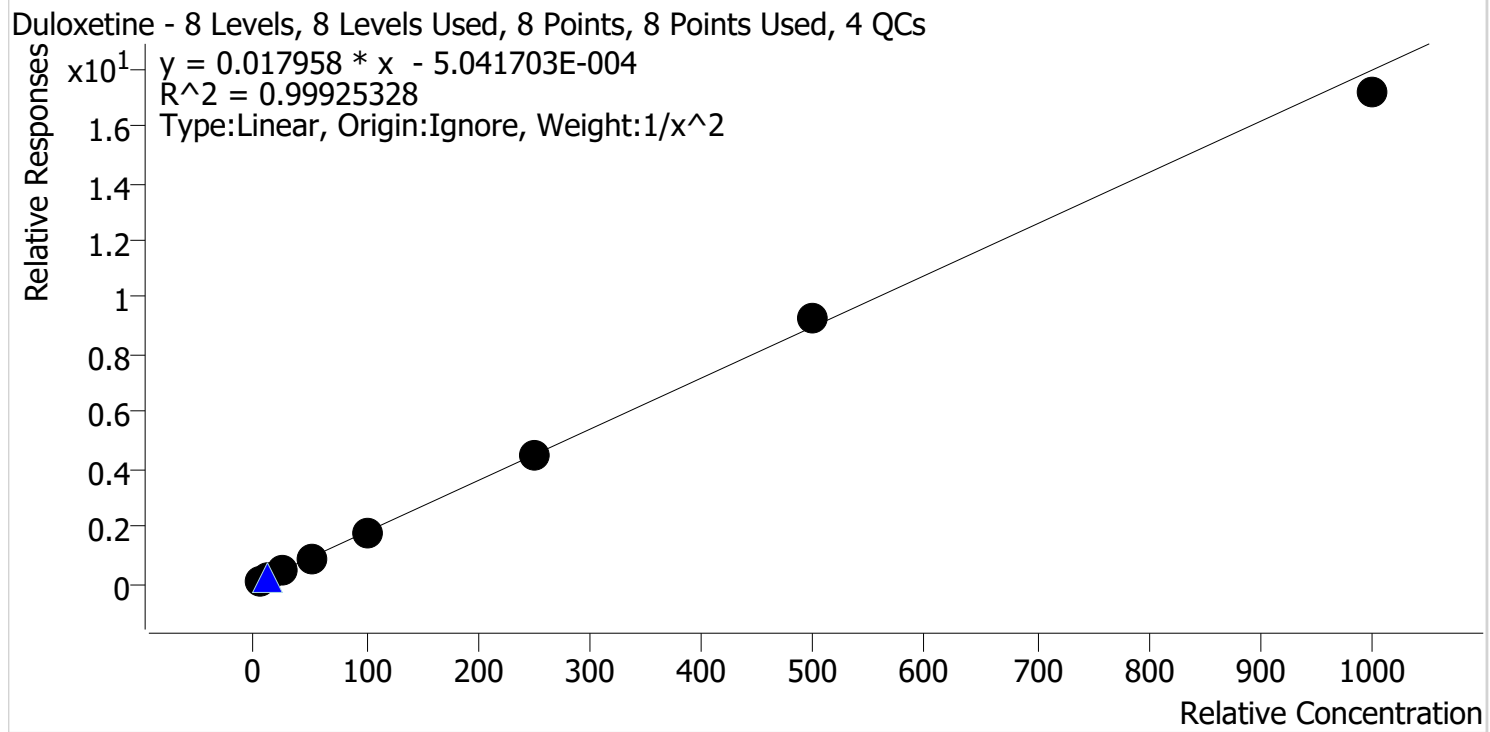
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	49.8	99.5
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	500.2	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1007.3	100.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Duloxetine **Internal Standard** Duloxetine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	50.7	101.3
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	516.0	103.2
p1 Cal 8-1000ng	8	✓	1000.0	956.1	95.6

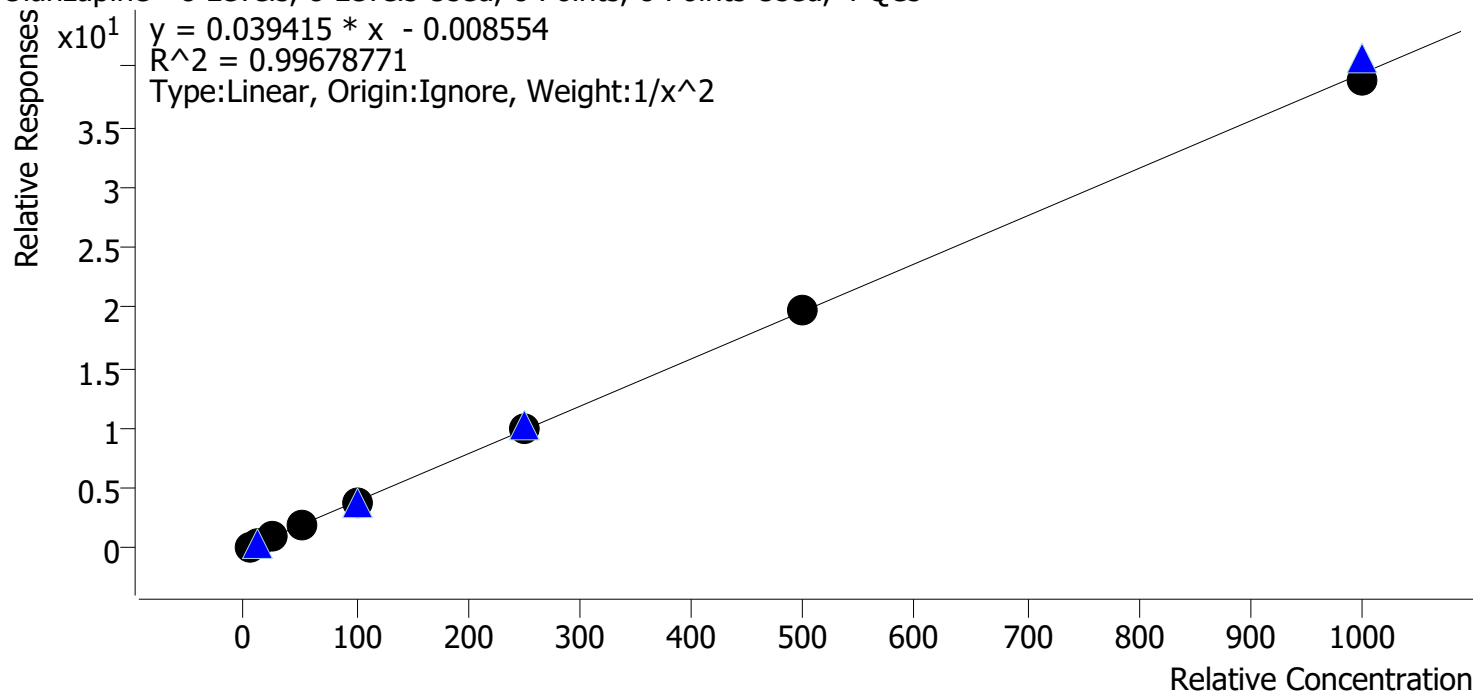
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Olanzapine **Internal Standard** Olanzapine-D8

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



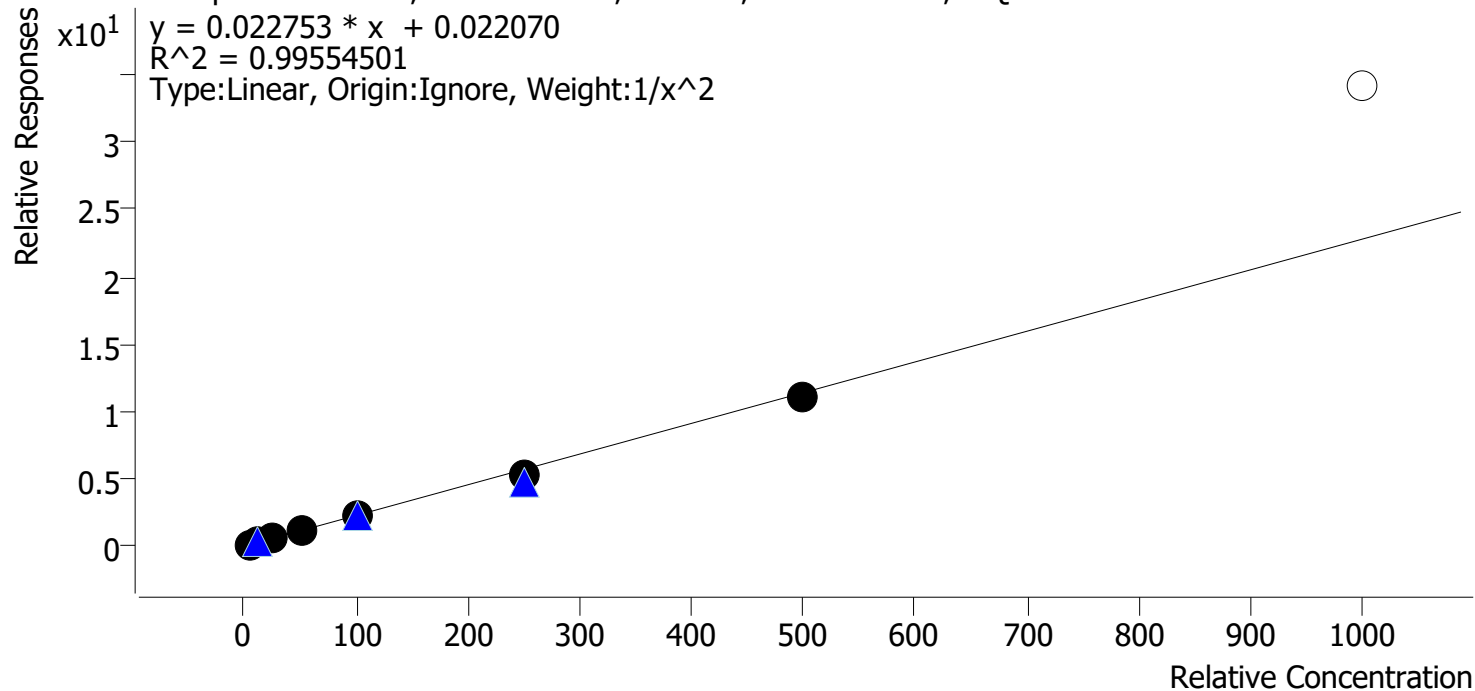
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.5
p1 Cal 4-50ng	4	✓	50.0	47.4	94.9
p1 Cal 5-100ng	5	✓	100.0	94.8	94.8
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	504.0	100.8
p1 Cal 8-1000ng	8	✓	1000.0	986.5	98.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 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



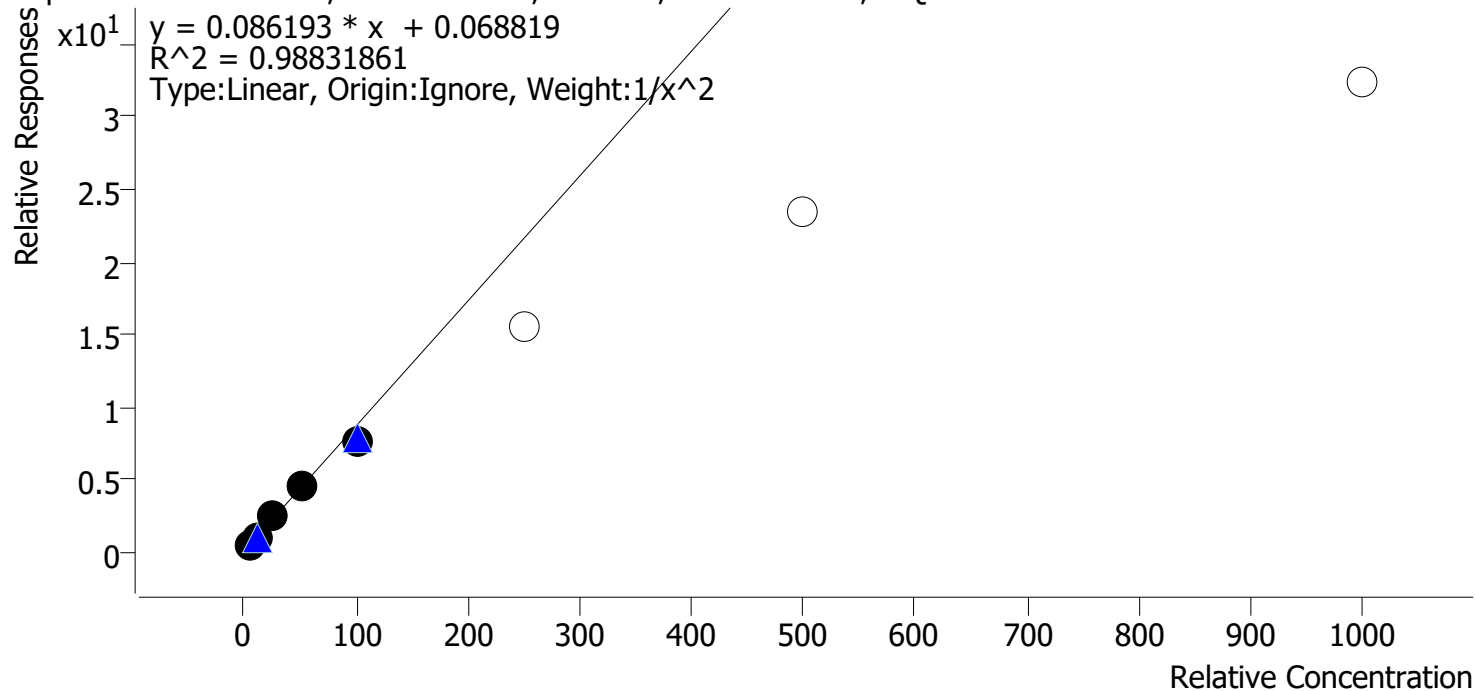
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2-10ng	2	✓	10.0	10.7	106.5
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.7
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	234.5	93.8
p1 Cal 7-500ng	7	✓	500.0	480.7	96.1
p1 Cal 8-1000ng	8	✗	1000.0	1502.1	150.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs

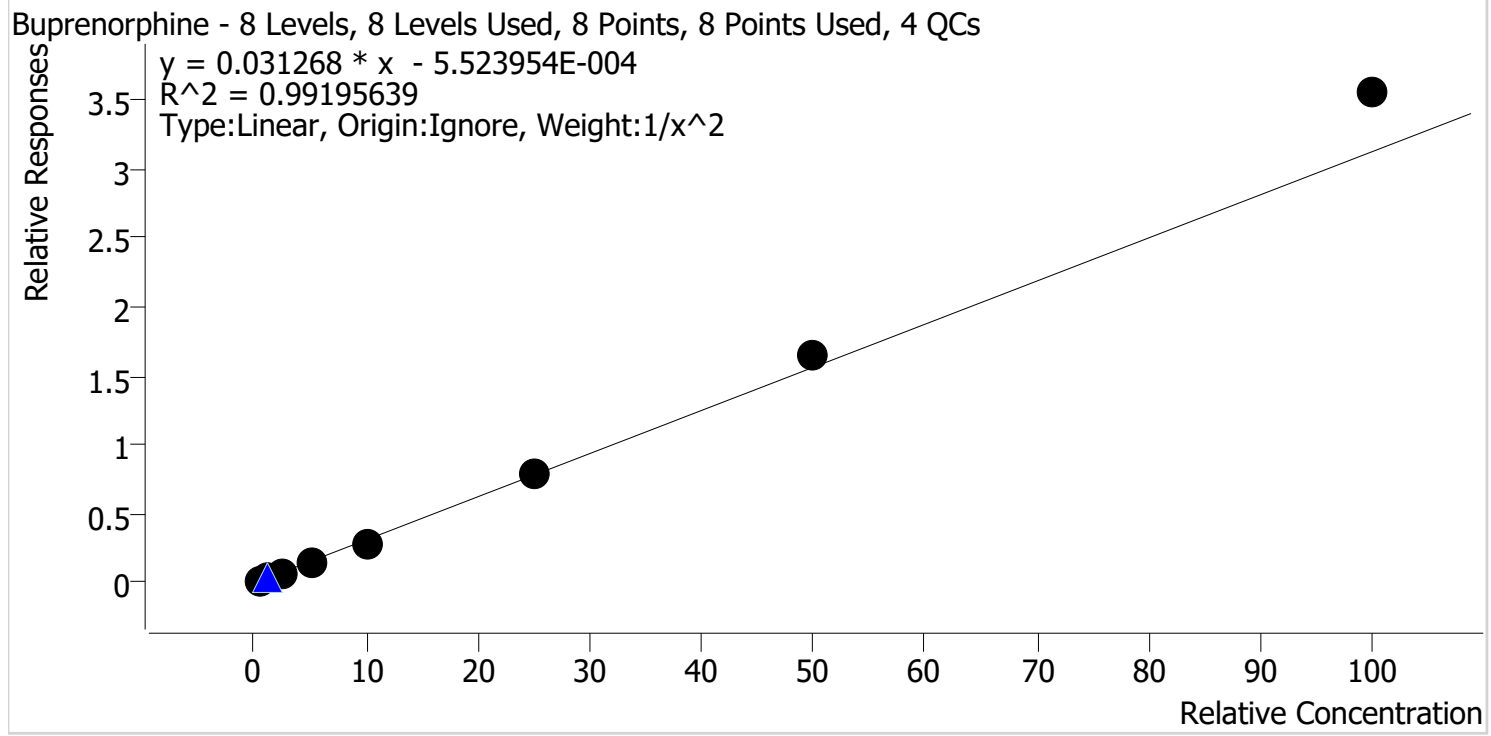


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2-10ng	2	✓	10.0	10.8	108.2
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.0
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	88.4	88.4
p1 Cal 6-250ng	6	✗	250.0	178.8	71.5
p1 Cal 7-500ng	7	✗	500.0	271.3	54.3
p1 Cal 8-1000ng	8	✗	1000.0	373.9	37.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Buprenorphine Internal Standard Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	105.4
p1 Cal 2-10ng	2	✓	1.0	0.9	92.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.5
p1 Cal 4-50ng	4	✓	5.0	4.6	92.3
p1 Cal 5-100ng	5	✓	10.0	9.4	93.6
p1 Cal 6-250ng	6	✓	25.0	25.0	100.0
p1 Cal 7-500ng	7	✓	50.0	53.2	106.5
p1 Cal 8-1000ng	8	✓	100.0	113.7	113.7

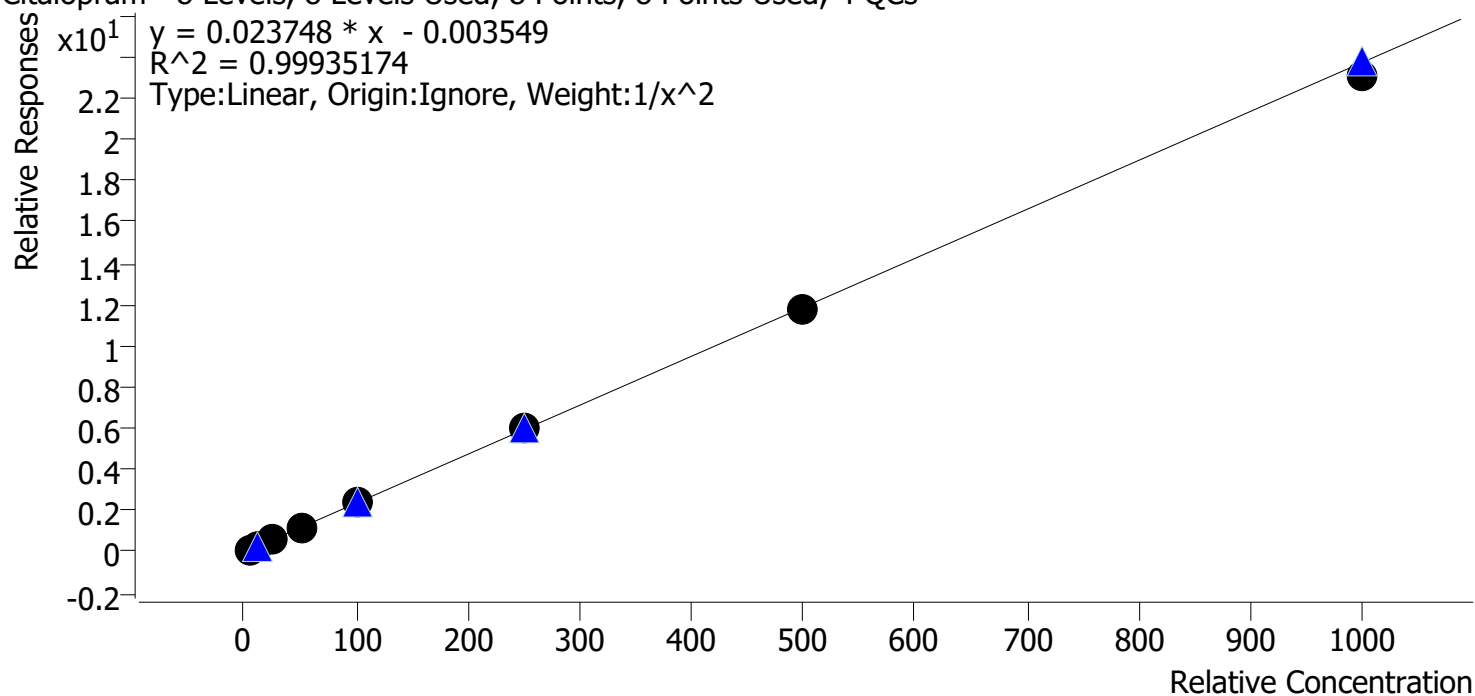
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



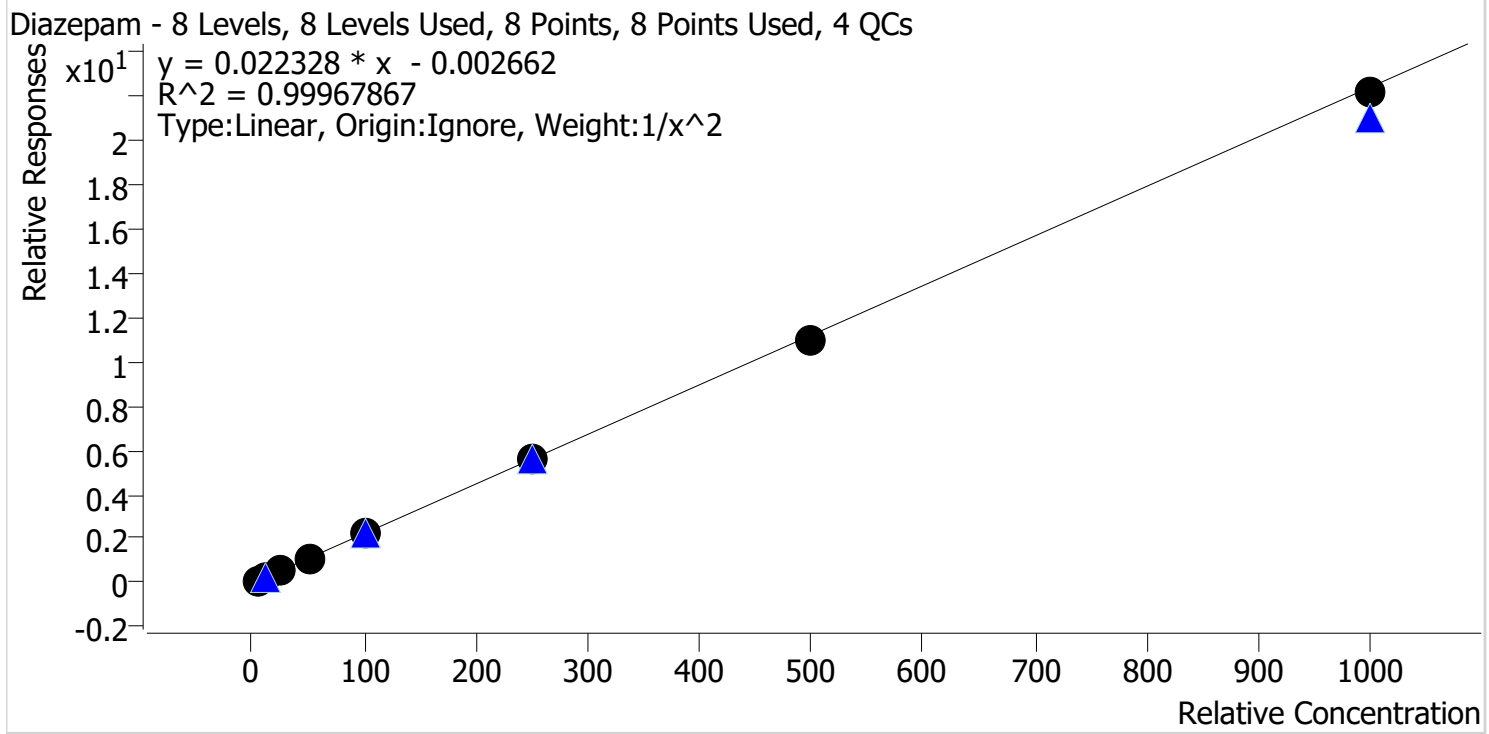
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	492.9	98.6
p1 Cal 8-1000ng	8	✓	1000.0	969.2	96.9

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 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	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	491.3	98.3
p1 Cal 8-1000ng	8	✓	1000.0	989.1	98.9

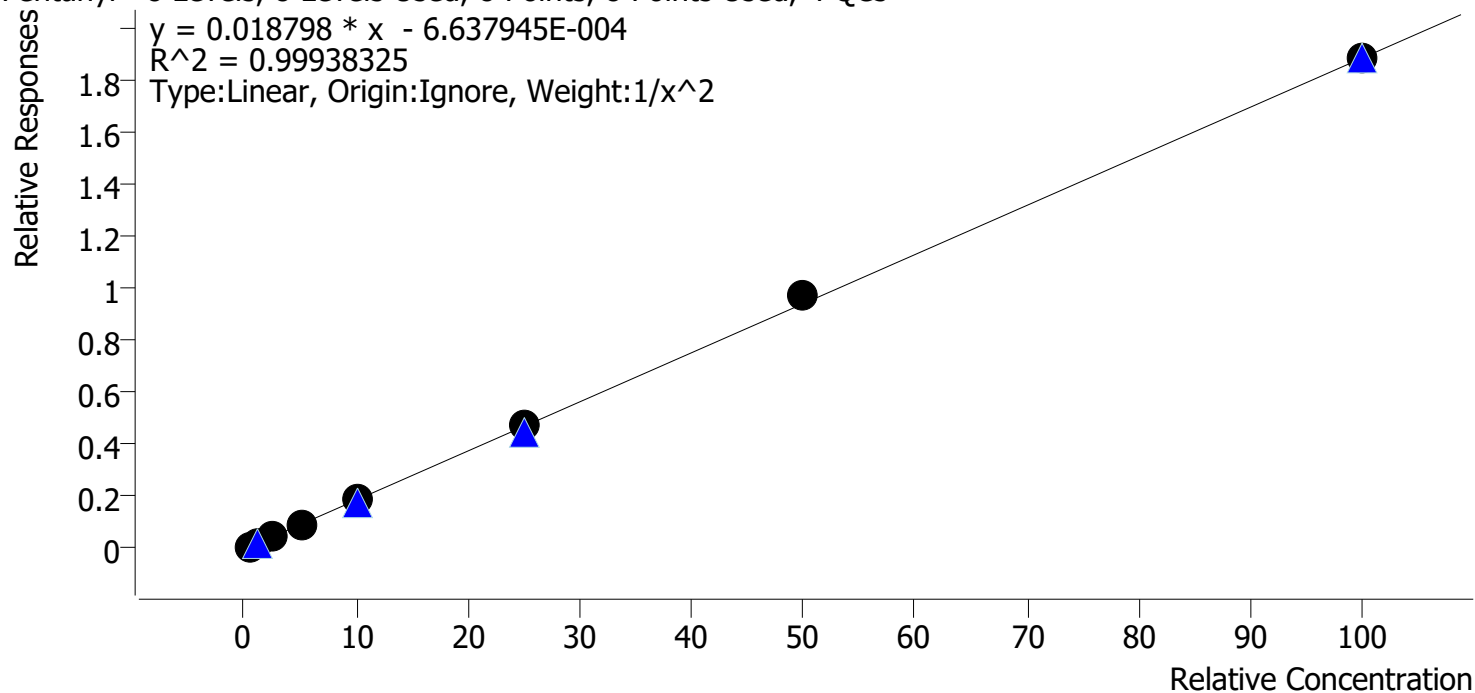
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



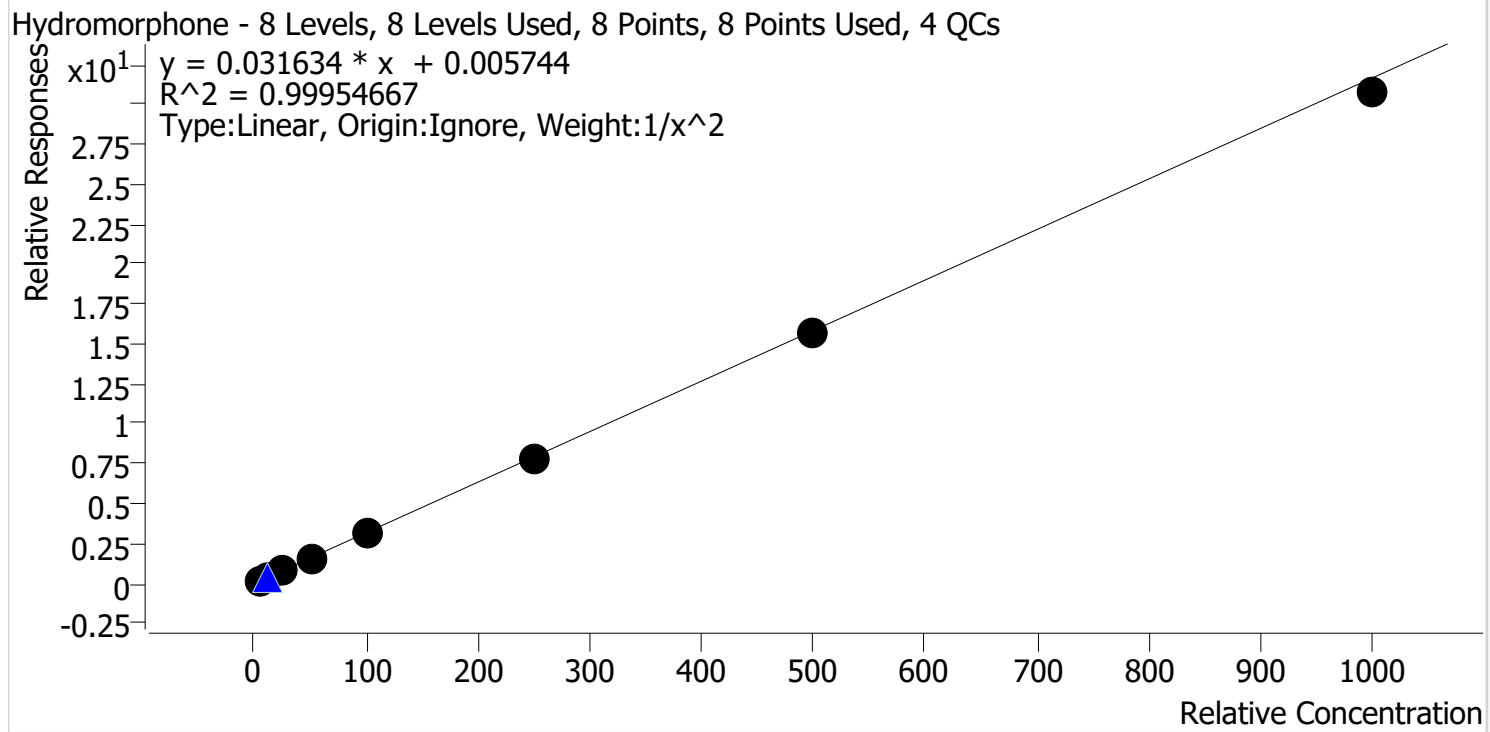
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.5
p1 Cal 2-10ng	2	✓	1.0	1.0	98.5
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.9
p1 Cal 4-50ng	4	✓	5.0	5.0	100.2
p1 Cal 5-100ng	5	✓	10.0	10.0	99.7
p1 Cal 6-250ng	6	✓	25.0	25.4	101.4
p1 Cal 7-500ng	7	✓	50.0	51.5	103.0
p1 Cal 8-1000ng	8	✓	100.0	99.8	99.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

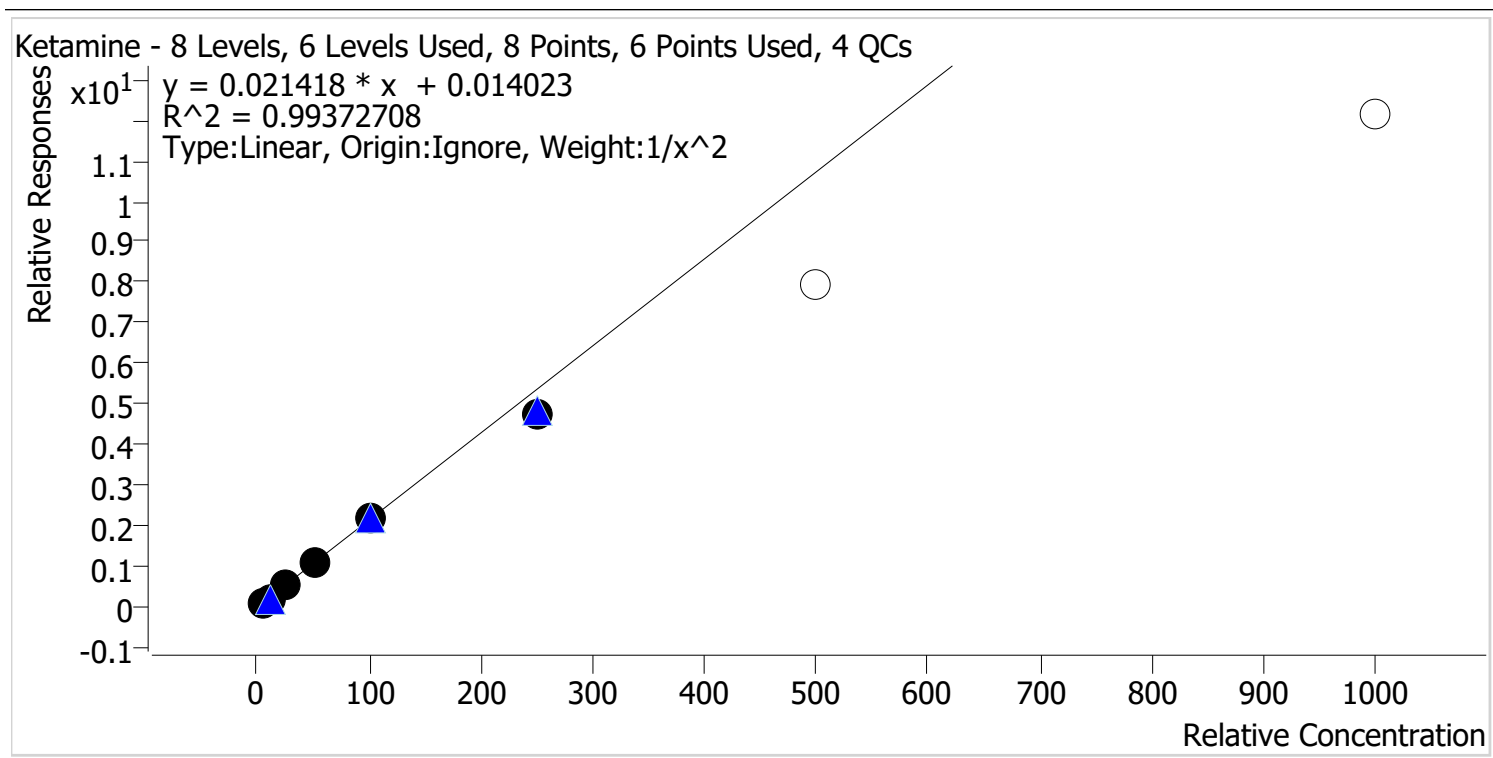


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	495.1	99.0
p1 Cal 8-1000ng	8	✓	1000.0	971.1	97.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



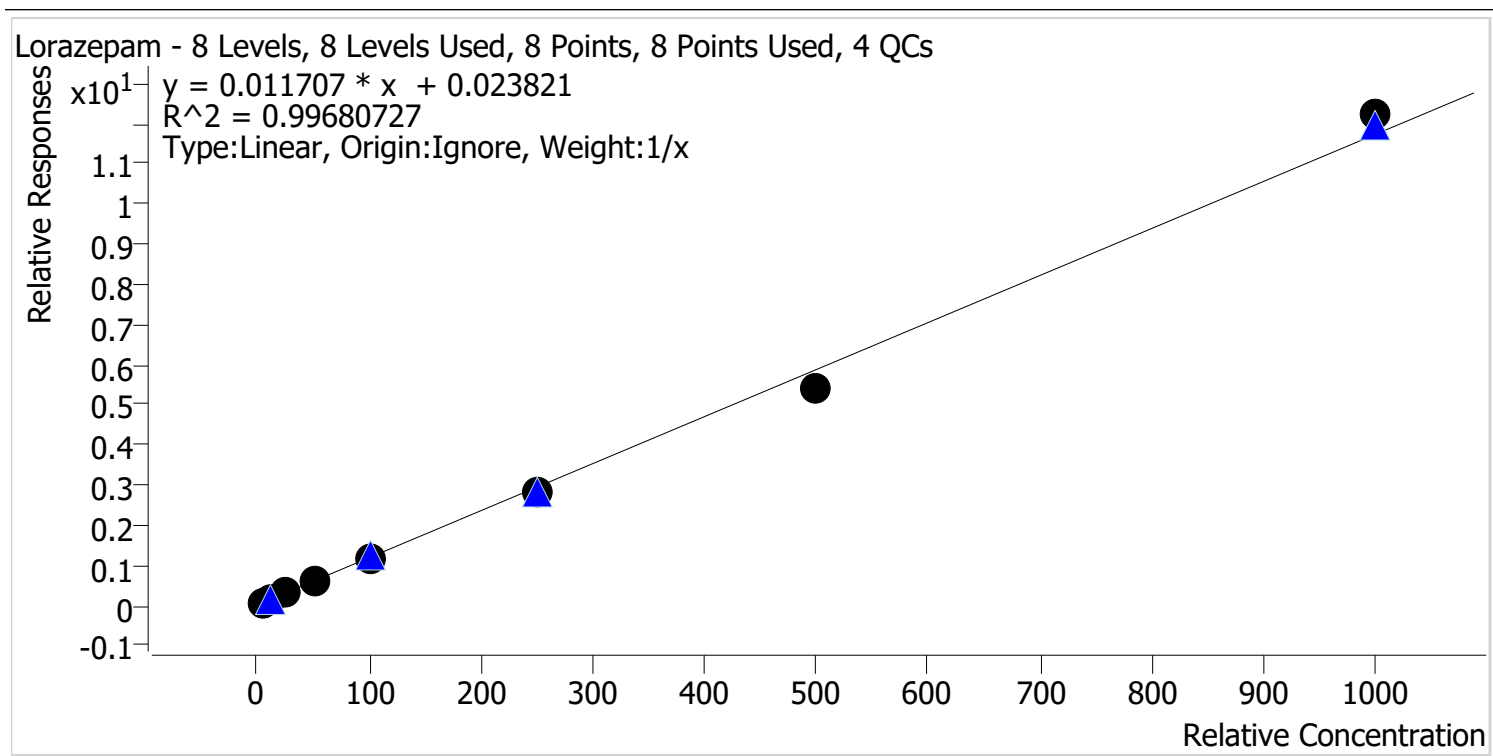
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	222.5	89.0
p1 Cal 7-500ng	7	✗	500.0	372.5	74.5
p1 Cal 8-1000ng	8	✗	1000.0	565.4	56.5

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5



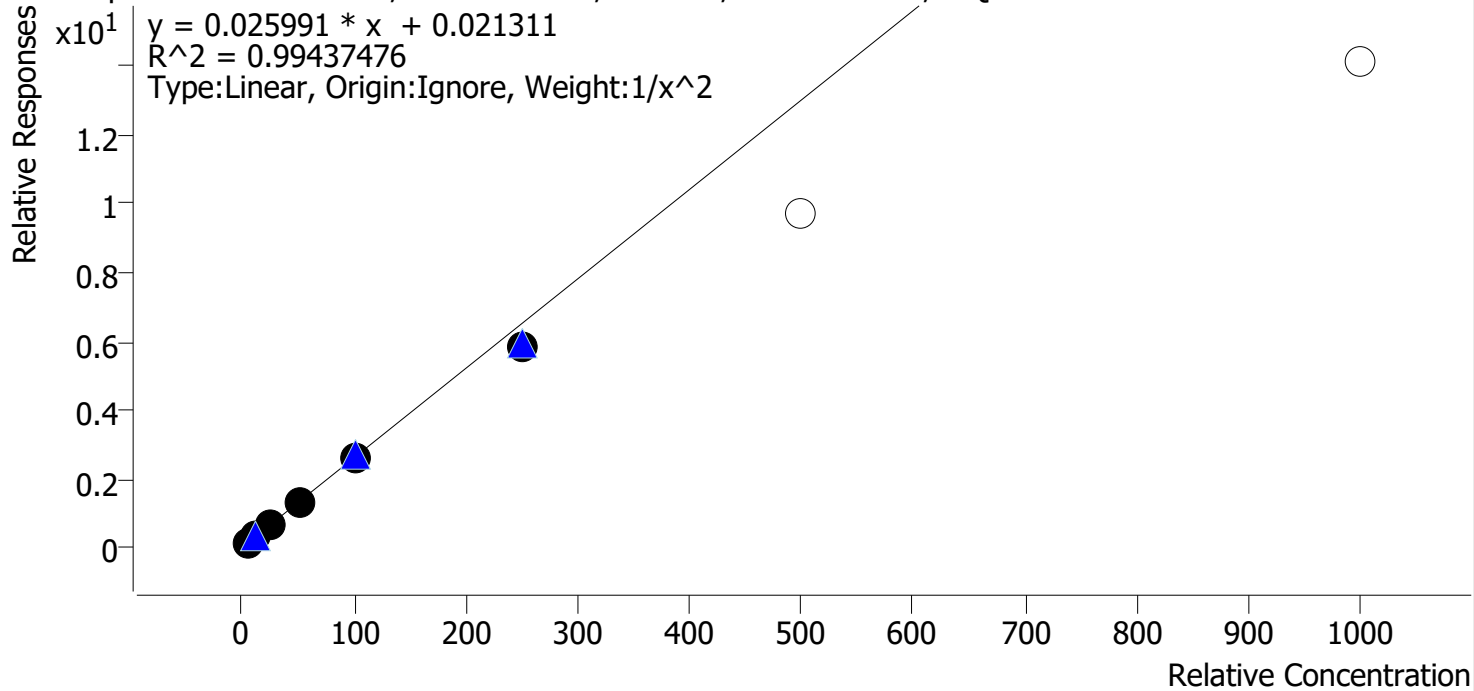
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.2	84.9
p1 Cal 2-10ng	2	✓	10.0	10.5	105.2
p1 Cal 3 -25ng	3	✓	25.0	27.8	111.2
p1 Cal 4-50ng	4	✓	50.0	53.1	106.1
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	240.0	96.0
p1 Cal 7-500ng	7	✓	500.0	462.3	92.5
p1 Cal 8-1000ng	8	✓	1000.0	1042.2	104.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.5	105.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	223.9	89.6
p1 Cal 7-500ng	7	✗	500.0	373.5	74.7
p1 Cal 8-1000ng	8	✗	1000.0	542.8	54.3

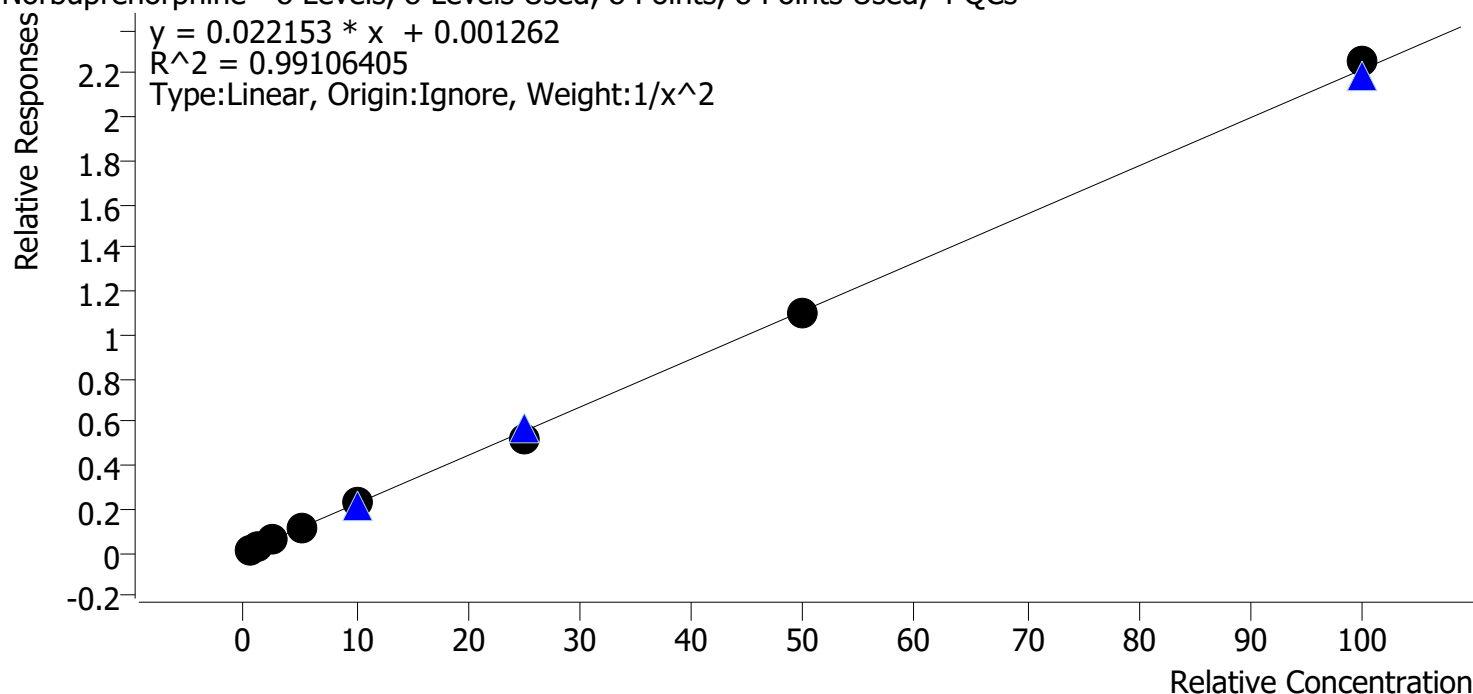
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



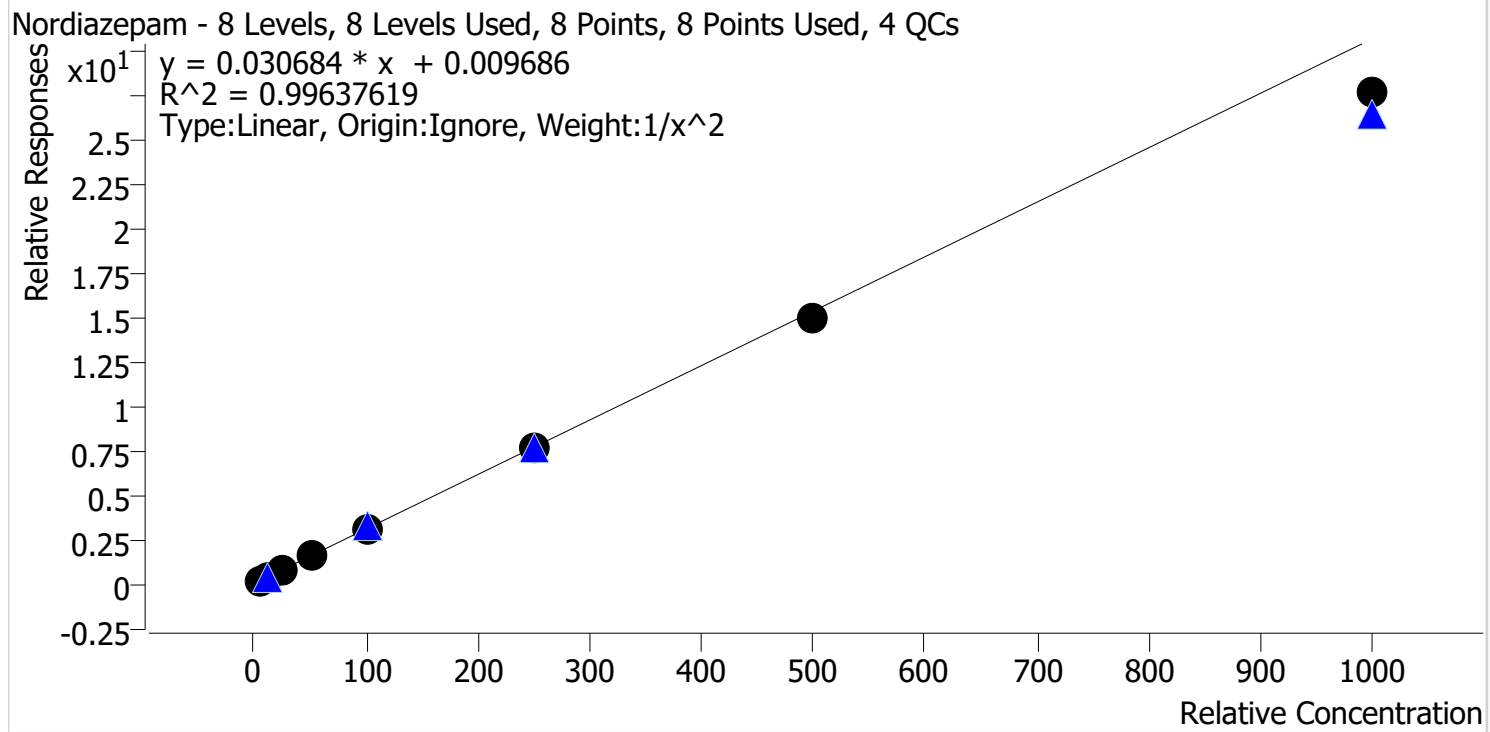
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	91.5
p1 Cal 2-10ng	2	✓	1.0	1.2	118.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.6
p1 Cal 4-50ng	4	✓	5.0	5.0	99.6
p1 Cal 5-100ng	5	✓	10.0	10.0	99.5
p1 Cal 6-250ng	6	✓	25.0	23.1	92.6
p1 Cal 7-500ng	7	✓	50.0	49.6	99.1
p1 Cal 8-1000ng	8	✓	100.0	101.6	101.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Nordiazepam Internal Standard Nordiazepam-D5



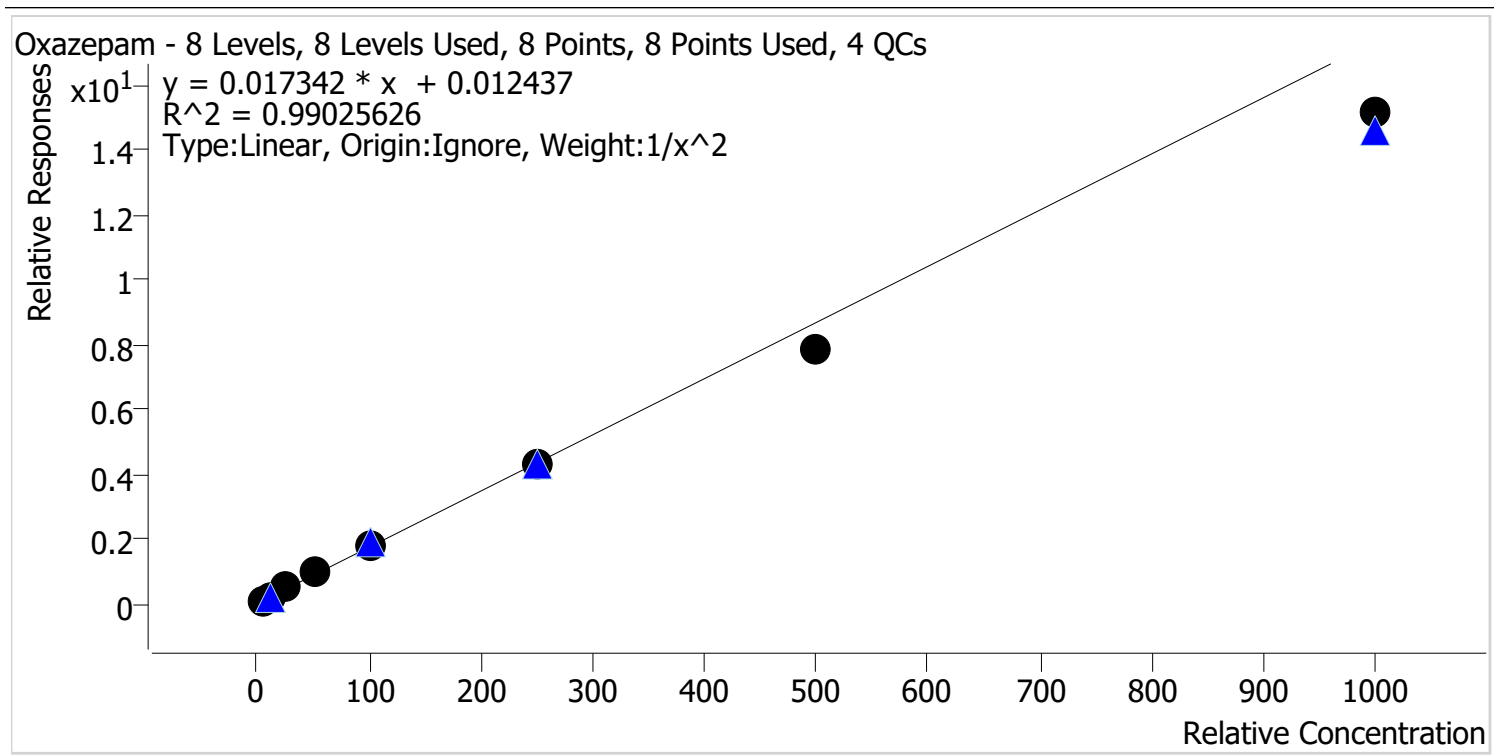
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.5	104.9
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	489.4	97.9
p1 Cal 8-1000ng	8	✓	1000.0	901.4	90.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 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	4.7	94.2
p1 Cal 2-10ng	2	✓	10.0	10.6	105.6
p1 Cal 3 -25ng	3	✓	25.0	27.7	110.6
p1 Cal 4-50ng	4	✓	50.0	54.1	108.1
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	452.3	90.5
p1 Cal 8-1000ng	8	✓	1000.0	873.6	87.4

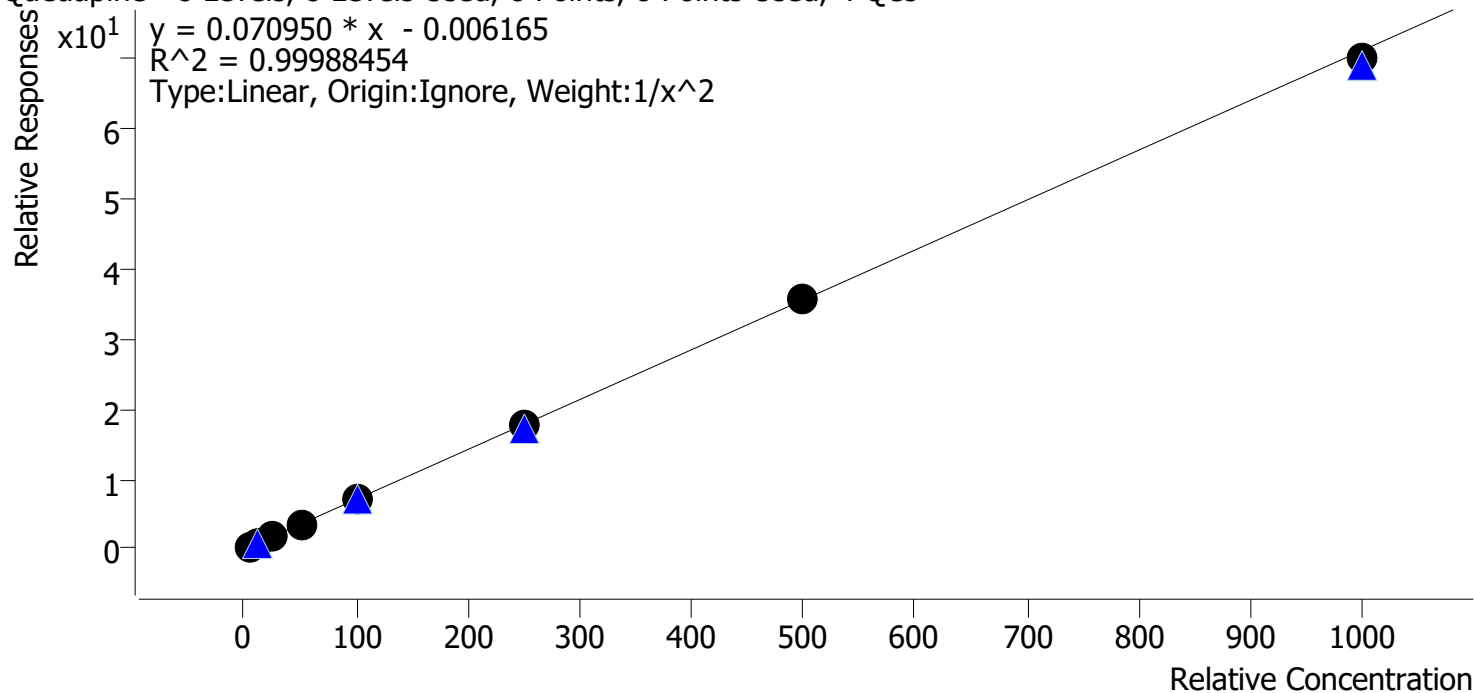
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



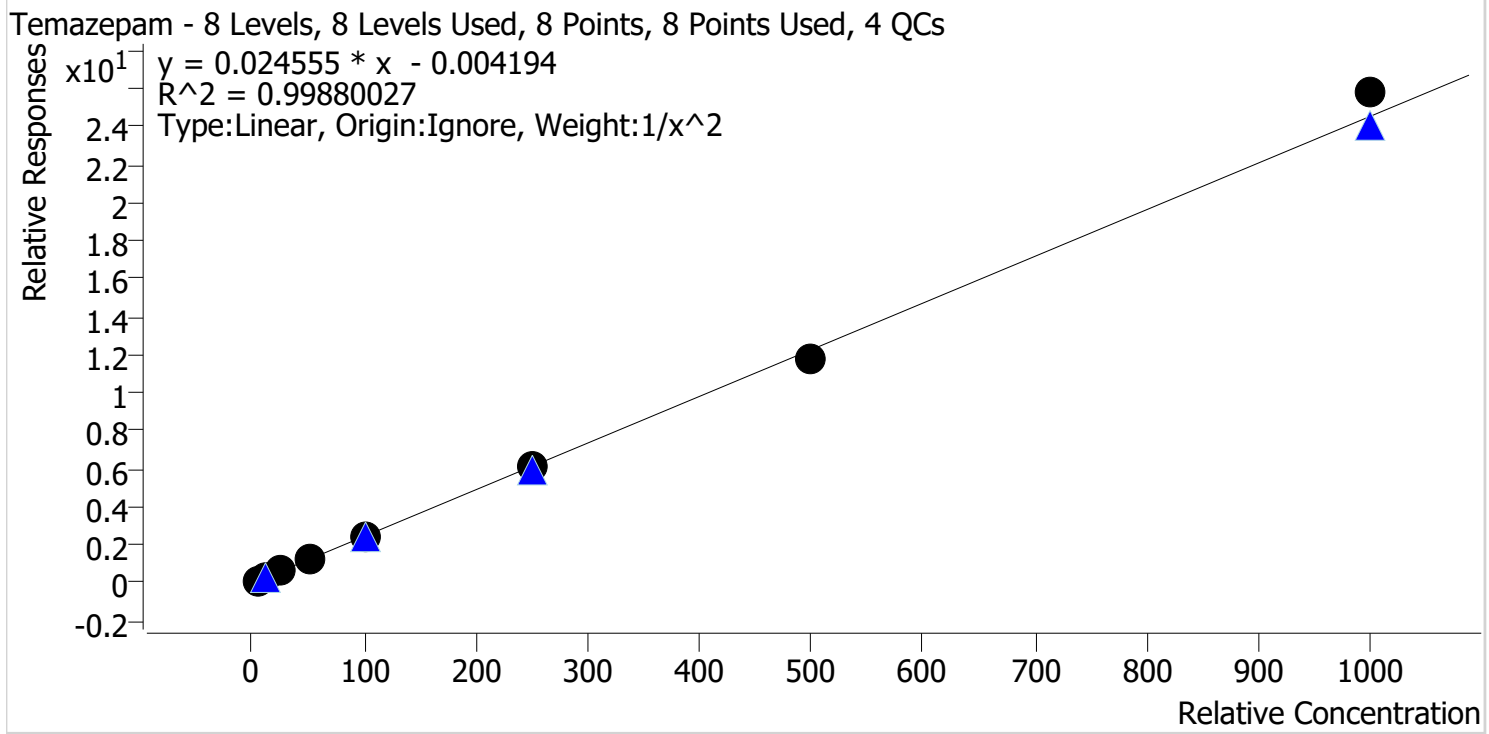
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	502.0	100.4
p1 Cal 8-1000ng	8	✓	1000.0	983.7	98.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 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	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	481.0	96.2
p1 Cal 8-1000ng	8	✓	1000.0	1050.9	105.1

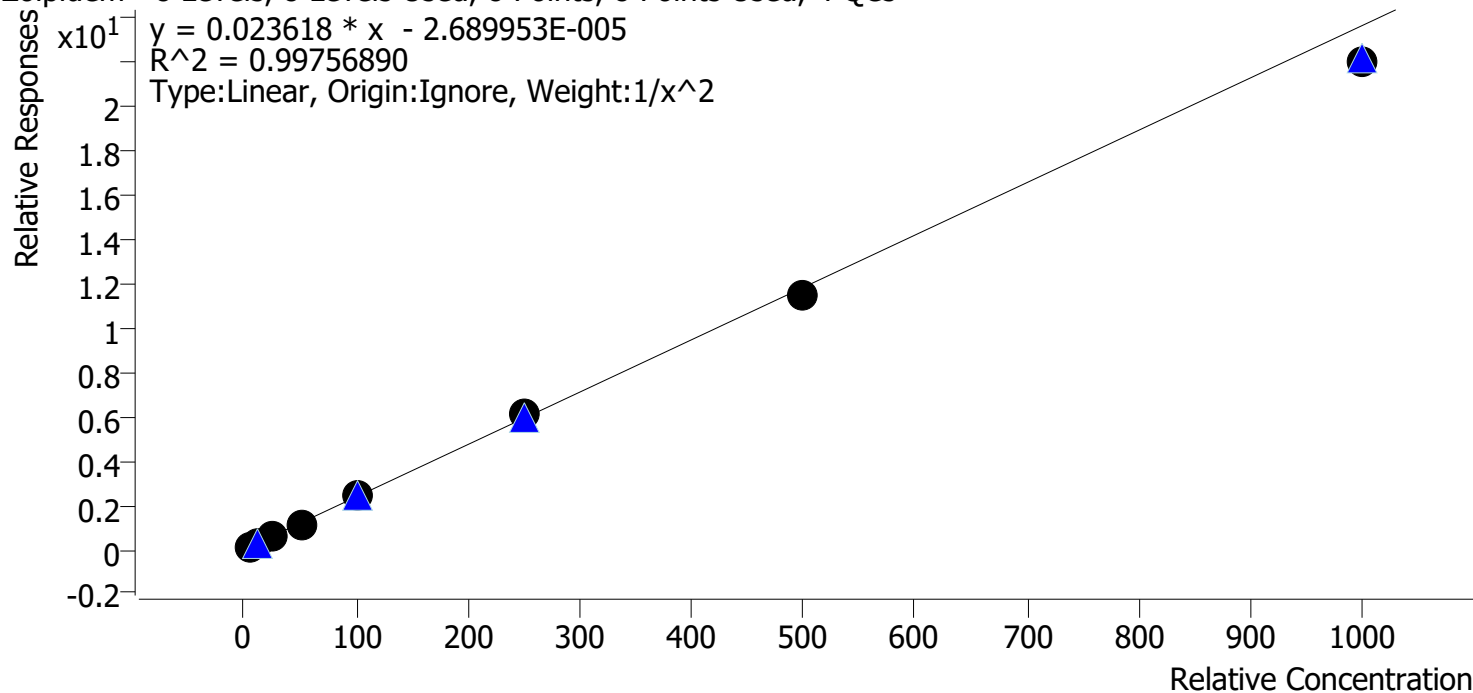
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Last Cal. Update 3/17/2025 12:16 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	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	486.5	97.3
p1 Cal 8-1000ng	8	✓	1000.0	930.7	93.1

AM #28 Multi-Drug Quant. Results



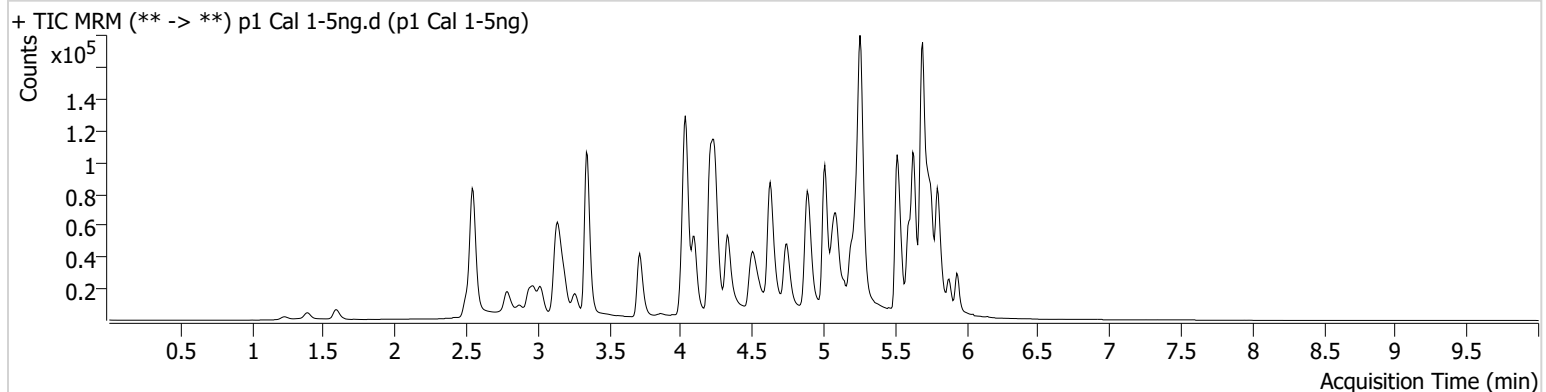
Batch results D:\MassHunter\Data\2025\AM 27 28\031325 AM 27 28 CS\QuantResults\AM 28 Cases.batch.bin
Calibration Last Update 3/17/2025 12:16:21 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-H12
Injection Volume 2
Acq. Date-Time 3/14/2025 7:42:38 PM
Sample Info.

Data File p1 Cal 1-5ng.d
Sample p1 Cal 1-5ng
Operator Celena Shrum
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.
7-aminoclonazepam	4.258	3359	120.33	79.0	8883.82	25767	4.7589 ng/ml
Amphetamine	3.019	24386	318.41	43.1	1018.49	51032	4.7455 ng/ml
Buprenorphine	5.848	421	339.79	15.4	84.39	26446	0.5269 ng/ml
Citalopram	5.195	11817	66.83	36.4	8852.99	104849	4.8952 ng/ml
Clonazepam	5.598	7393	10647.96	35.5	628.06	20865	4.6106 ng/ml
Diazepam	5.942	4693	123.38	89.4	192.13	43604	4.9395 ng/ml
Duloxetine	5.627	1053	163.09	14.6	36.80	11859	4.9710 ng/ml
Fentanyl	5.084	1136	128.24	70.7	1774.54	127939	0.5075 ng/ml
Hydromorphone	1.596	3088	682.43	71.1	814.77	19152	4.9162 ng/ml
Ketamine	4.028	8776	261.44	36.0	290.15	74979	4.8098 ng/ml
Lorazepam	5.734	6966	814.92	50.3	34.35	94740	4.2457 ng/ml
Methamphetamine	3.195	19142	589.83	34.3	614.87	130871	4.8077 ng/ml
Norbuprenorphine	4.973	53	71.92	105.8	92.02	4643	0.4575 ng/ml
Nordiazepam	5.888	4991	496.54	62.5	1342.54	31740	4.8094 ng/ml
Olanzapine	4.456	3311	72.69	45.7	200.41	18127	4.8509 ng/ml
Oxazepam	5.737	8918	196.75	73.1	34.26	94740	4.7108 ng/ml
Pseudoephedrine	2.559	24292	316.40	17.3	4654.75	219597	4.9703 ng/ml
Quetiapine	5.541	16902	4416.19	59.8	16090.06	48620	4.9865 ng/ml
Temazepam	5.805	13154	390.60	26.9	34.09	111217	4.9874 ng/ml
Zolpidem	4.914	19578	706.98	30.4	3085.89	171747	4.8277 ng/ml

AM #28 Multi-Drug Quant. Results



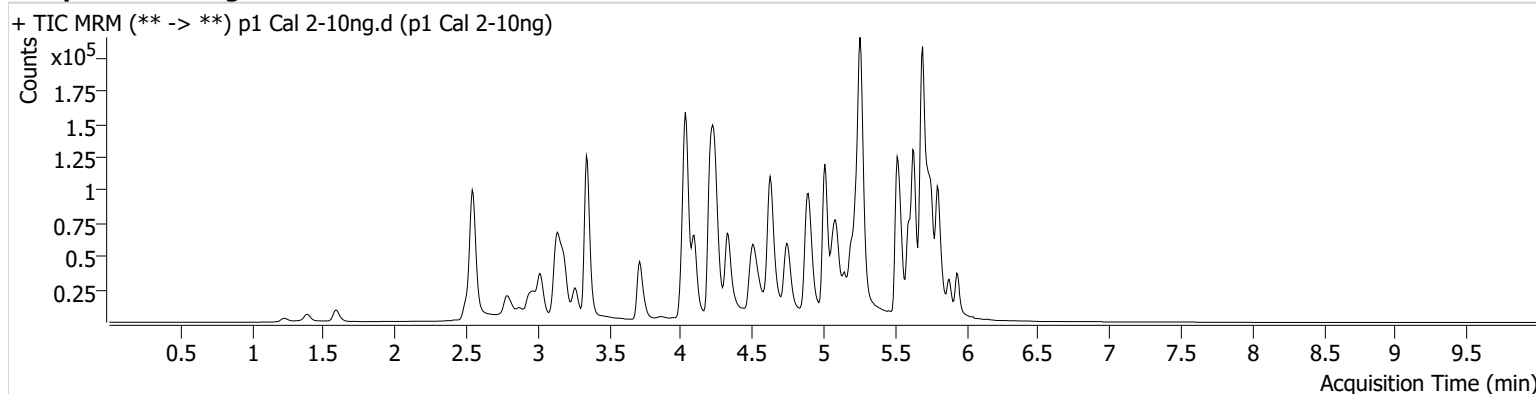
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Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G12
Injection Volume 2
Acq. Date-Time 3/14/2025 7:53:27 PM
Sample Info.

Data File p1 Cal 2-10ng.d
Sample p1 Cal 2-10ng
Operator Celena Shrum
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.
7-aminoclonazepam	4.258	6690	12420.30	77.9	135.49	25294	10.6537 ng/ml
Amphetamine	3.019	54338	7978.19	42.9	7622.05	54238	10.8248 ng/ml
Buprenorphine	5.855	842	457.07	15.8	92.59	29529	0.9294 ng/ml
Citalopram	5.195	26592	1079.76	37.0	10599.32	109520	10.3736 ng/ml
Clonazepam	5.598	16565	21126.82	34.6	133.22	22002	10.8577 ng/ml
Diazepam	5.942	10588	268.80	87.8	195.26	47430	10.1173 ng/ml
Duloxetine	5.627	2314	786.66	14.8	21.68	12712	10.1653 ng/ml
Fentanyl	5.084	2514	17.12	70.1	3523.61	140756	0.9853 ng/ml
Hydromorphone	1.596	7111	1736.59	72.6	1641.53	21578	10.2364 ng/ml
Ketamine	4.028	19644	267.93	36.3	241.70	82337	10.4845 ng/ml
Lorazepam	5.734	14199	829.14	51.3	195.61	96595	10.5215 ng/ml
Methamphetamine	3.195	41823	857.11	35.1	415.18	141616	10.5426 ng/ml
Norbuprenorphine	4.973	143	235.54	93.5	158.80	5195	1.1839 ng/ml
Nordiazepam	5.888	11190	1540.38	57.5	5737.85	33751	10.4894 ng/ml
Olanzapine	4.456	8180	94.25	42.1	3465.83	20449	10.3666 ng/ml
Oxazepam	5.737	18888	4952.42	74.4	98.21	96595	10.5584 ng/ml
Pseudoephedrine	2.559	54069	20971.34	17.3	6317.90	234972	10.1011 ng/ml
Quetiapine	5.541	37849	72998.32	56.5	15032.38	53871	9.9893 ng/ml
Temazepam	5.805	28637	596.43	28.5	52.63	118337	10.0262 ng/ml
Zolpidem	4.914	46494	47581.14	28.6	670.85	186319	10.5670 ng/ml

AM #28 Multi-Drug Quant. Results



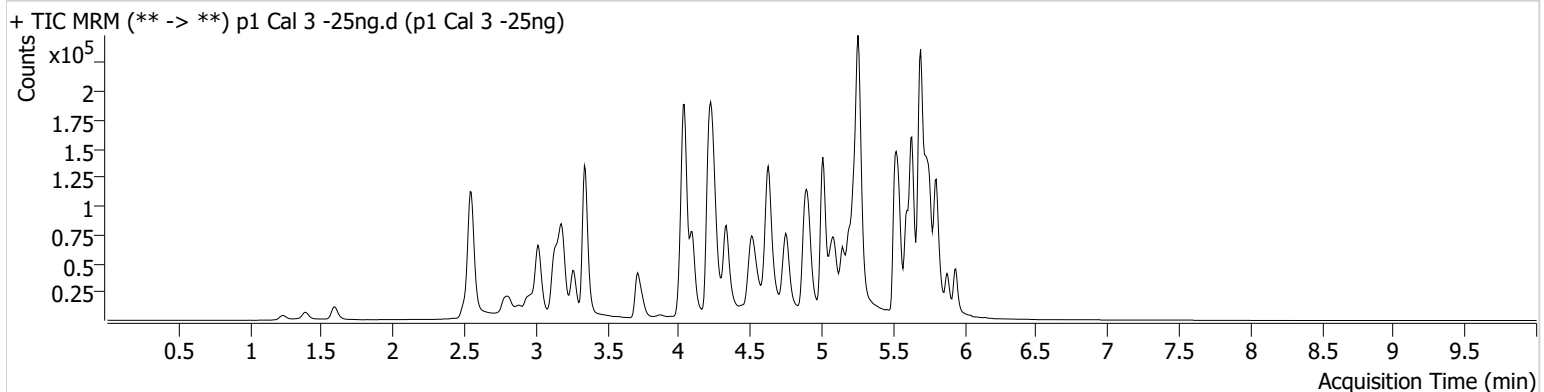
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Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F12
Injection Volume 2
Acq. Date-Time 3/14/2025 8:04:05 PM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.258	12412	17161.76	76.3	2054.64	19552	26.9293 ng/ml
Amphetamine	3.019	113548	1560.16	43.8	18312.78	47819	26.7507 ng/ml
Buprenorphine	5.848	1990	1624.98	14.2	279.88	26852	2.3883 ng/ml
Citalopram	5.195	58916	5145.46	37.4	152.85	98767	25.2678 ng/ml
Clonazepam	5.598	36301	517.74	33.5	8304.84	19363	28.4449 ng/ml
Diazepam	5.942	23561	441.31	87.1	651.15	41220	25.7189 ng/ml
Duloxetine	5.627	4190	2824.74	14.9	164.71	9532	24.5062 ng/ml
Fentanyl	5.084	5597	1150.18	68.7	602.47	126087	2.3969 ng/ml
Hydromorphone	1.596	14770	169.73	73.6	4466.55	18192	25.4838 ng/ml
Ketamine	4.028	41168	5097.00	37.7	837.49	70662	26.5463 ng/ml
Lorazepam	5.734	29388	642.44	53.0	227.41	84114	27.8085 ng/ml
Methamphetamine	3.195	87968	7632.30	35.1	1402.63	125048	26.2459 ng/ml
Norbuprenorphine	4.973	258	388.44	106.6	66.24	4664	2.4394 ng/ml
Nordiazepam	5.888	23947	1644.94	59.6	3973.85	29646	26.0091 ng/ml
Olanzapine	4.456	19297	155.42	46.7	1922.67	18020	27.3855 ng/ml
Oxazepam	5.737	41381	9266.41	74.2	1674.17	84114	27.6515 ng/ml
Pseudoephedrine	2.552	117219	669.63	17.0	11258.40	201140	25.2444 ng/ml
Quetiapine	5.541	78516	120058.07	57.9	68139.48	43674	25.4254 ng/ml
Temazepam	5.805	62517	444.42	28.3	128.16	102445	25.0231 ng/ml
Zolpidem	4.914	98219	82414.88	29.4	2175.46	161291	25.7849 ng/ml

AM #28 Multi-Drug Quant. Results



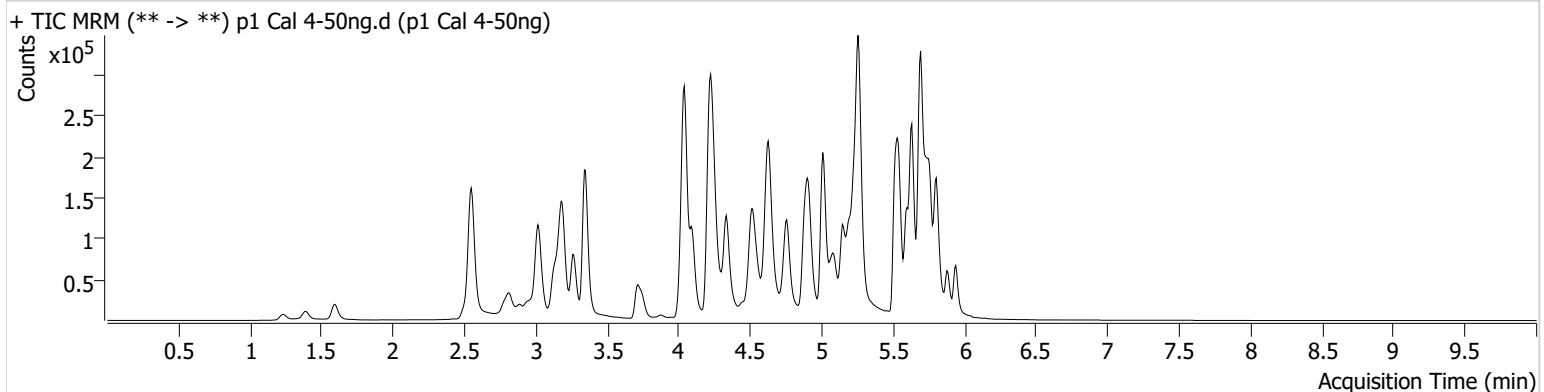
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Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-E12
Injection Volume 2
Acq. Date-Time 3/14/2025 8:14:43 PM
Sample Info.

Data File p1 Cal 4-50ng.d
Sample p1 Cal 4-50ng
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.258	21355	8026.65	76.6	618.19	17916	51.4146 ng/ml
Amphetamine	3.019	218193	36649.50	43.2	1582.82	49123	50.7346 ng/ml
Buprenorphine	5.848	3998	2961.50	16.7	687.74	27800	4.6167 ng/ml
Citalopram	5.195	118601	769.86	38.0	1040.96	100027	50.0767 ng/ml
Clonazepam	5.598	66449	3247.24	35.4	1353.66	18802	54.4577 ng/ml
Diazepam	5.942	47285	2513.02	87.8	1222.68	42088	50.4351 ng/ml
Duloxetine	5.627	8062	2146.05	14.3	312.08	8867	50.6557 ng/ml
Fentanyl	5.084	11864	14835.33	68.0	340.60	126912	5.0082 ng/ml
Hydromorphone	1.596	30881	5160.94	73.8	2968.64	19274	50.4660 ng/ml
Ketamine	4.028	82216	346.92	38.0	1914.98	73226	51.7656 ng/ml
Lorazepam	5.734	50108	6233.92	50.9	913.46	77678	53.0648 ng/ml
Methamphetamine	3.195	180799	794.67	35.4	11183.85	132911	51.5176 ng/ml
Norbuprenorphine	4.973	517	58.38	106.9	314.55	4634	4.9823 ng/ml
Nordiazepam	5.888	47913	515.89	59.8	2920.78	29320	52.9412 ng/ml
Olanzapine	4.456	40426	17357.30	50.1	138.39	21725	47.4268 ng/ml
Oxazepam	5.737	73789	1958.58	72.8	11448.43	77678	54.0604 ng/ml
Pseudoephedrine	2.559	234273	48544.25	17.5	41601.17	203034	49.7670 ng/ml
Quetiapine	5.541	164385	77147.82	58.5	150138.16	46406	50.0137 ng/ml
Temazepam	5.805	118550	391.85	27.8	377.30	93973	51.5469 ng/ml
Zolpidem	4.914	203007	113511.87	30.0	7203.60	174613	49.2275 ng/ml

AM #28 Multi-Drug Quant. Results



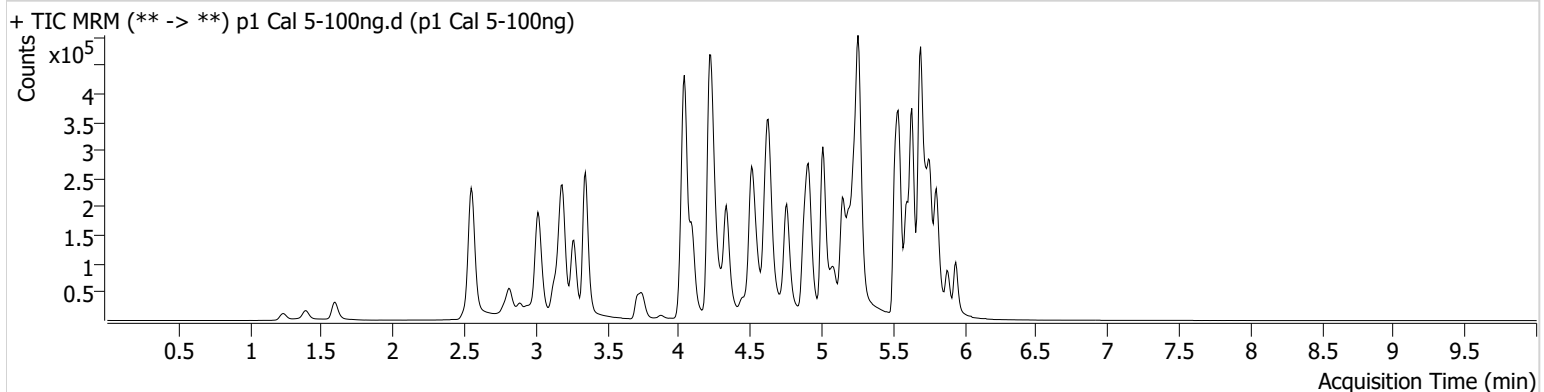
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Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D12
Injection Volume 2
Acq. Date-Time 3/14/2025 8:25:21 PM
Sample Info.

Data File p1 Cal 5-100ng.d
Sample p1 Cal 5-100ng
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.265	30829	100.52	77.6	2497.01	13717	97.8107 ng/ml
Amphetamine	3.019	371504	53707.11	43.9	8370.56	48337	88.3698 ng/ml
Buprenorphine	5.848	8032	8833.57	16.5	1477.56	27486	9.3633 ng/ml
Citalopram	5.195	221184	12431.78	38.2	20165.45	93405	99.8627 ng/ml
Clonazepam	5.598	108457	11409.99	35.7	1662.02	16165	104.2295 ng/ml
Diazepam	5.942	88225	2668.32	90.2	2387.22	39539	100.0517 ng/ml
Duloxetine	5.627	15808	7507.54	13.8	309.53	8828	99.7453 ng/ml
Fentanyl	5.084	23202	28474.94	68.9	23194.77	124252	9.9687 ng/ml
Hydromorphone	1.596	58916	243591.39	74.0	163054.11	18401	101.0357 ng/ml
Ketamine	4.021	153825	646.86	36.6	2460.28	71193	100.2251 ng/ml
Lorazepam	5.728	67750	2539.01	51.6	186.15	56821	99.8105 ng/ml
Methamphetamine	3.195	341795	1592.78	35.7	14819.55	129378	100.8238 ng/ml
Norbuprenorphine	4.973	1009	67.13	101.8	∞	4551	9.9533 ng/ml
Nordiazepam	5.888	83499	4730.27	60.9	1317.16	26939	100.6989 ng/ml
Olanzapine	4.448	87827	460.58	47.1	439.51	23561	94.7918 ng/ml
Oxazepam	5.737	104016	∞	75.8	2243.51	56821	104.8439 ng/ml
Pseudoephedrine	2.559	433916	862.25	17.4	452.25	188647	98.9889 ng/ml
Quetiapine	5.541	319105	33672.53	59.1	∞	45214	99.5594 ng/ml
Temazepam	5.805	184197	21995.45	28.2	334.01	77871	96.5027 ng/ml
Zolpidem	4.914	406165	124719.63	29.5	122170.42	167298	102.7966 ng/ml

AM #28 Multi-Drug Quant. Results



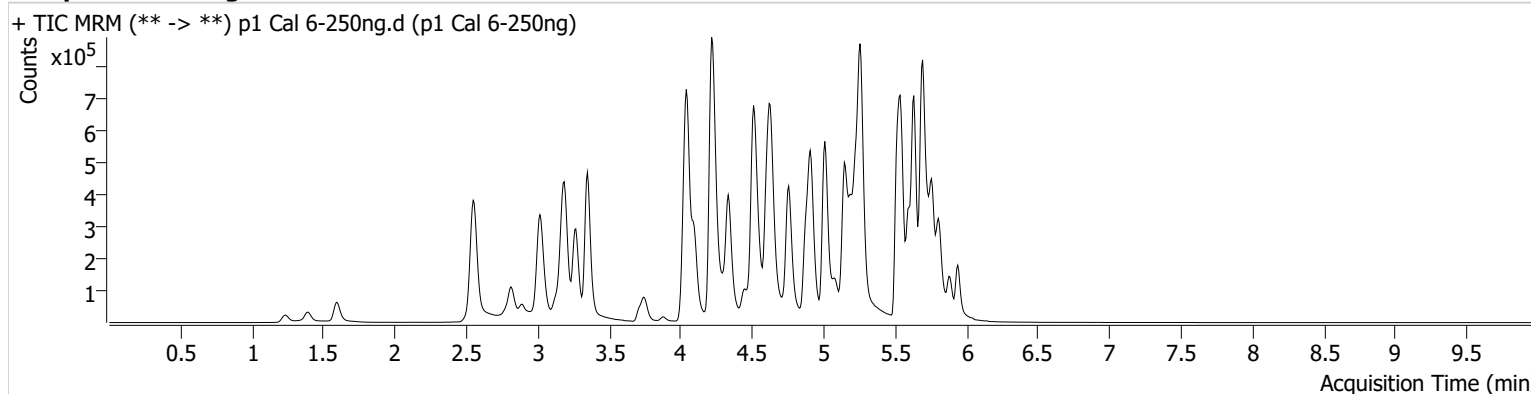
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Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C12
Injection Volume 2
Acq. Date-Time 3/14/2025 8:35:58 PM
Sample Info.

Data File p1 Cal 6-250ng.d
Sample p1 Cal 6-250ng
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.265	31895	2149.68	80.5	2036.74	5954	234.4535 ng/ml
Amphetamine	3.019	685322	68794.39	43.5	46133.99	44260	178.8433 ng/ml
Buprenorphine	5.848	20456	17456.76	16.1	2608.18	26184	25.0029 ng/ml
Citalopram	5.195	489760	32253.29	37.7	376.72	81100	254.4405 ng/ml
Clonazepam	5.591	163382	17968.96	35.3	20372.69	11110	229.5883 ng/ml
Diazepam	5.942	185137	749.99	88.0	465.35	33495	247.6674 ng/ml
Duloxetine	5.627	34563	11220.37	14.6	3706.43	7621	252.5798 ng/ml
Fentanyl	5.077	59936	1157.60	69.9	50652.18	125921	25.3559 ng/ml
Hydromorphone	1.596	128805	3235.71	74.3	223094.64	16394	248.1824 ng/ml
Ketamine	4.021	310349	1417.30	37.1	312.41	64918	222.5447 ng/ml
Lorazepam	5.728	89595	182587.31	51.8	7273.43	31612	240.0494 ng/ml
Methamphetamine	3.188	746345	107018.58	36.1	1222.73	127758	223.9435 ng/ml
Norbuprenorphine	4.966	2410	442.25	98.1	1998.01	4690	23.1430 ng/ml
Nordiazepam	5.888	157787	12123.53	59.8	4244.40	20483	250.7312 ng/ml
Olanzapine	4.448	242927	3496.01	47.3	1394.42	24509	251.6845 ng/ml
Oxazepam	5.737	135823	23043.58	74.4	2375.65	31612	247.0387 ng/ml
Pseudoephedrine	2.559	893050	178887.25	17.3	120607.97	154584	248.2899 ng/ml
Quetiapine	5.541	663040	163525.26	60.7	36133.42	37274	250.7990 ng/ml
Temazepam	5.811	292198	8303.01	27.3	746.34	48107	247.5333 ng/ml
Zolpidem	4.914	925786	103721.77	28.9	623773.46	152211	257.5316 ng/ml

AM #28 Multi-Drug Quant. Results



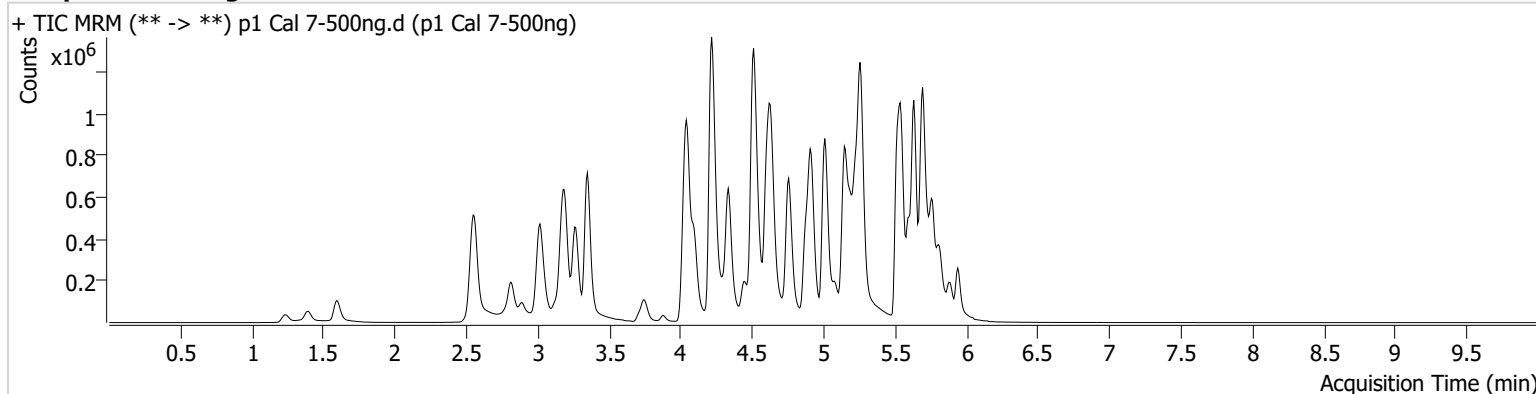
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Acq. Method AM 28 MDQ P1.m
Sample Position P2-B12
Injection Volume 2
Acq. Date-Time 3/14/2025 8:46:36 PM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.265	35213	1934.61	79.3	44.95	3213	480.7344 ng/ml
Amphetamine	3.019	977048	70971.79	44.1	2220.30	41657	271.3166 ng/ml
Buprenorphine	5.855	37497	24201.12	15.9	4322.03	22532	53.2396 ng/ml
Citalopram	5.195	710089	70652.06	40.4	735.03	60682	492.8902 ng/ml
Clonazepam	5.591	187653	14504.67	35.3	10456.06	7296	402.2585 ng/ml
Diazepam	5.942	304646	346.52	87.2	3070.80	27778	491.2947 ng/ml
Duloxetine	5.620	45719	4955.82	13.9	357.72	4934	516.0371 ng/ml
Fentanyl	5.077	117735	15964.00	68.9	114964.03	121711	51.4935 ng/ml
Hydromorphone	1.596	234448	683428.44	74.7	32004.43	14963	495.1337 ng/ml
Ketamine	4.015	451333	527895.27	36.8	10671.45	56465	372.5313 ng/ml
Lorazepam	5.728	97122	16044.24	55.3	1404.39	17867	462.2752 ng/ml
Methamphetamine	3.188	1229315	97579.13	36.1	6850.04	126351	373.5138 ng/ml
Norbuprenorphine	4.966	4549	12922.05	95.0	9066.49	4137	49.5704 ng/ml
Nordiazepam	5.888	208705	12007.39	59.4	3622.22	13890	489.3682 ng/ml
Olanzapine	4.448	431754	16226.46	47.0	4936.46	21742	504.0361 ng/ml
Oxazepam	5.737	140363	5213.97	76.1	7385.14	17867	452.2957 ng/ml
Pseudoephedrine	2.559	1430035	2674.86	17.4	539.76	122822	500.1779 ng/ml
Quetiapine	5.541	1068456	∞	60.0	53053.60	30004	501.9889 ng/ml
Temazepam	5.811	319818	12428.71	27.9	3524.64	27089	480.9720 ng/ml
Zolpidem	4.914	1571497	199074.65	29.5	49989.46	136760	486.5403 ng/ml

AM #28 Multi-Drug Quant. Results



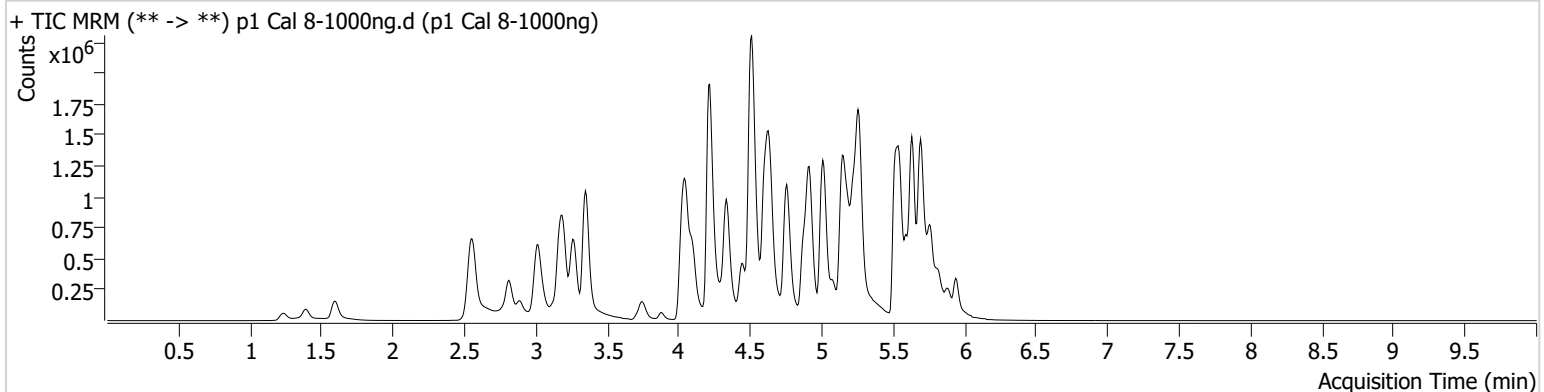
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Instrument Falco (069901)
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Acq. Method AM 28 MDQ P1.m
Sample Position P2-A12
Injection Volume 2
Acq. Date-Time 3/14/2025 8:57:14 PM
Sample Info.

Data File p1 Cal 8-1000ng.d
Sample p1 Cal 8-1000ng
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.265	43815	1321.39	79.4	8857.64	1281	1502.0835 ng/ml
Amphetamine	3.019	1292884	2814.17	44.9	76738.80	40031	373.9104 ng/ml
Buprenorphine	5.855	72938	77147.68	16.0	14293.61	20520	113.6958 ng/ml
Citalopram	5.188	1038041	502.46	39.0	848.17	45106	969.1942 ng/ml
Clonazepam	5.585	158653	2986.33	36.2	5025.73	3948	628.9502 ng/ml
Diazepam	5.942	438991	253.16	88.6	∞	19879	989.1351 ng/ml
Duloxetine	5.620	50943	4015.07	14.8	2108.97	2967	956.0708 ng/ml
Fentanyl	5.077	243384	34843.94	69.9	76979.72	129732	99.8336 ng/ml
Hydromorphone	1.596	397345	1226819.10	75.5	489037.84	12932	971.0876 ng/ml
Ketamine	4.015	600436	408.31	36.7	459.22	49520	565.4463 ng/ml
Lorazepam	5.734	113712	12440.66	53.8	210.99	9301	1042.2244 ng/ml
Methamphetamine	3.188	1837891	140934.11	35.8	55174.61	130076	542.8049 ng/ml
Norbuprenorphine	4.966	8345	1220.25	90.6	404.81	3704	101.6427 ng/ml
Nordiazepam	5.888	252130	837.02	61.9	4382.36	9113	901.3532 ng/ml
Olanzapine	4.442	1032859	69779.00	48.0	1960.03	26570	986.4634 ng/ml
Oxazepam	5.737	141019	4393.09	78.6	2212.58	9301	873.5581 ng/ml
Pseudoephedrine	2.559	2175262	2066.39	17.3	66759.76	92748	1007.3142 ng/ml
Quetiapine	5.541	1514687	379968.09	62.4	1265902.85	21704	983.7077 ng/ml
Temazepam	5.818	353235	24733.18	27.9	136.16	13691	1050.9305 ng/ml
Zolpidem	4.914	2664953	238748.37	29.6	514486.56	121246	930.6513 ng/ml