

Worklist: 7086

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2025-1110	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2024-3978	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0112	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0222	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0273	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0310	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0333	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0443	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0547	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2025-0547	4	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2025-0585	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0633	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0694	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0697	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2025-0703	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 03/20/2025

Panel 1 Plate lot#: 240925

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

Blank Blood Lot: Lampire 24C52817

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

Analyst: Tamara Salazar

Panel 1 Plate Retest Date: 03/25/2025

Mobile phase B: 0.01% Formic Acid in

MeOH Blank Urine Lot: POC021022

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: 16
- ☒ 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. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- ☒ 18. 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:

Panel 1: Case samples P2025-0697-1 and P2025-0703-1 had the wrong plate position specified. The plate positions were corrected, and the samples were reinjected.

P1 included in the central flie:

6-MAM

7-aminoclonazepam

alpha-hydroxyalprazolam
Alprazolam
Amphetamine - 5-250 calibrators 7 and 8 dropped due to accuracy
Benzoylecgonine
Buprenorphine
Bupropion
Clonazepam - 5 - 500 calibrator 8 dropped due to accuracy
Cocaine
Codeine
Diphenhydramine
Fentanyl
Fluorofentanyl
Hydroxyzine
Lamotrigine - 50 - 1000- calibrator dropped due to accuracy
Lorazepam
Methamphetamine - 5-500 - calibrator 8 dropped due to accuracy
Mitragnine
Morphine
Norfentanyl
O-desmethylvenlafaxine
Phentermine - 5-500 - calibrator 8 dropped due to accuracy
Quetiapine - 5-500 -calibrator 8 dropped due to accuracy
Sertraline
Venlafaxine
Zolpidem

Panel 1 analytical plate

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	P2025-0222-1	P2025-0697-1								IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	P2025-0273-1	P2025-0703-1								IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	P2025-0310-1	Neg Urine								IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	P2025-0333-2	M2025-1110-2								IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	P2025-0443-1	P2025-0547-1							IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Neg Blood	P2025-0585-1	P2025-0547-4							IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	P2024-3978-3	P2025-0633-1								IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	P2025-0112-1	P2025-0694-1								IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

SLE Plate

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	P2025-0222-1	P2025-0697-1	IS + Cal. 1	IS + QC_1	Neg Urine					
B	IS + Cal. 2	IS + QC_2	P2025-0273-1	P2025-0703-1	IS + Cal. 2	IS + QC_2	TS_P2025-0547-3					
C	IS + Cal. 3	IS + QC_3	P2025-0310-1	Neg Urine	IS + Cal. 3	IS + QC_3	SC_P2025-0548-3					
D	IS + Cal. 4	IS + QC_4	P2025-0333-2	M2025-1110-2	IS + Cal. 4	IS + QC_4						
E	IS + Cal. 5	IS + QC_2	P2025-0443-1	P2025-0547-1	IS + Cal. 5	Neg Blood						
F	IS + Cal. 6	Neg Blood	P2025-0585-1	P2025-0547-4	IS + Cal. 6	P2025-0192-1						
G	IS + Cal. 7	P2024-3978-3	P2025-0633-1		IS + Cal. 7	C2025-0271-1						
H	IS + Cal. 8	P2025-0112-1	P2025-0694-1		IS + Cal. 8	Urine Ext Ctrl						
Panel 2 Samples												

All wells to contain 60 µl of Trapping Solution



AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28 P1_cases.batch.bin
Calibration Last Update 3/25/2025 12:48:16 PM

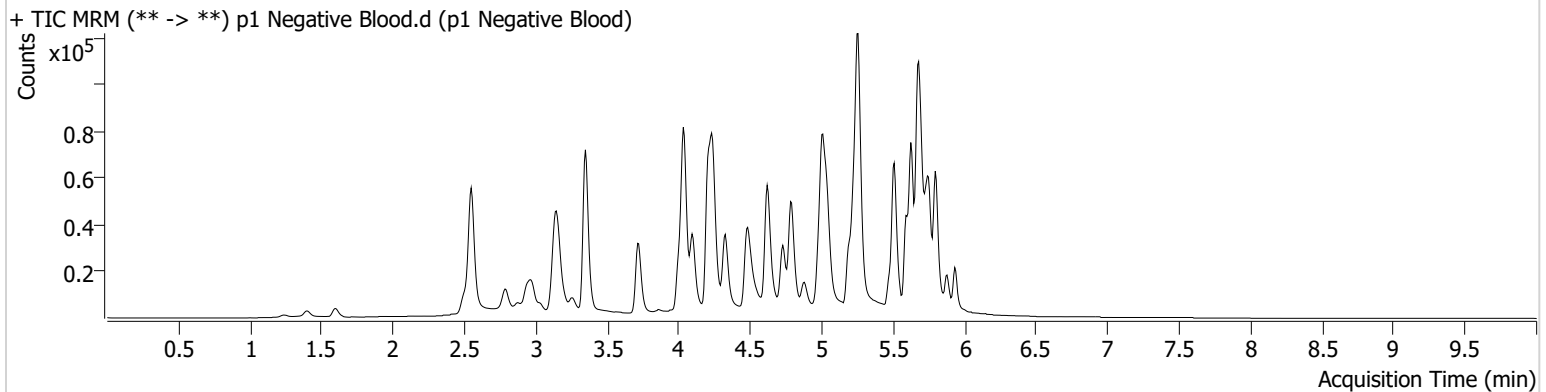
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Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F2
Injection Volume 2
Acq. Date-Time 3/20/2025 10:57:52 PM
Sample Info.

Data File
Sample
Operator
Comment

p1 Negative Blood.d
p1 Negative Blood
Tamara Salazar

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Sample Chromatogram





AM #28 Multi-Drug Quant. Results

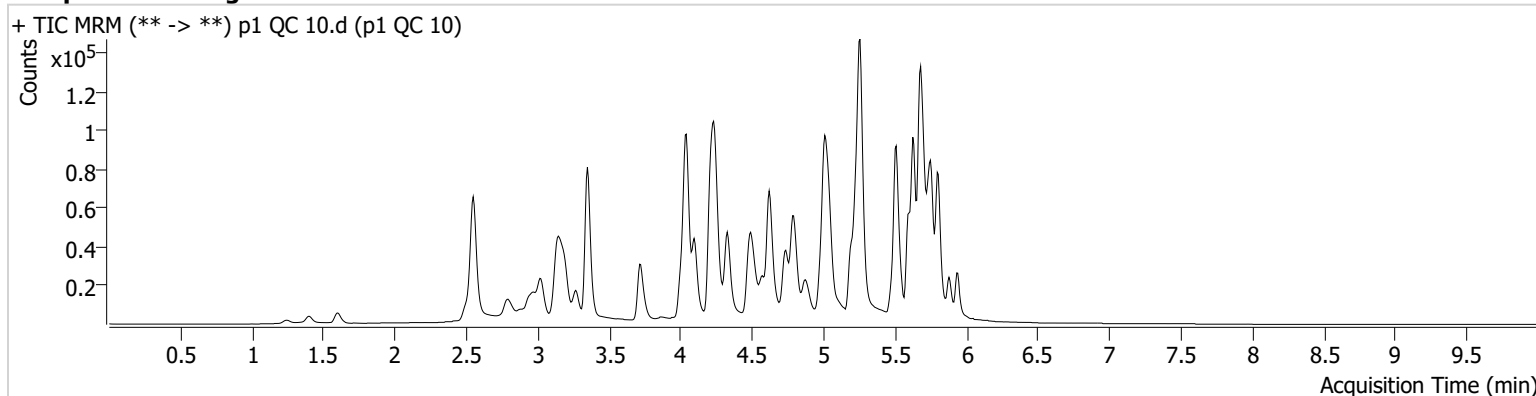
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Calibration Last Update 3/25/2025 12:48:16 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-A2
Injection Volume 2
Acq. Date-Time 3/20/2025 9:54:00 PM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	338	423.64	66.8	443.14	8094	1.0916 ng/ml
7-aminoclonazepam	4.258	5809	329.68	77.1	615.18	21007	11.2646 ng/ml
a-hydroxyalprazolam	5.686	2734	62.81	63.9	144.74	9424	10.5962 ng/ml
Alprazolam	5.763	10883	314.32	116.0	377.58	39638	10.0318 ng/ml
Amphetamine	3.026	35735	2557.83	44.9	17717.40	38295	10.9248 ng/ml
Benzoyllecgonine	3.883	485	65.15	42.1	111.97	1726	9.7617 ng/ml
Buprenorphine	5.650	448	210.53	15.9	88.02	15997	0.9452 ng/ml
Bupropion	4.752	19592	1715.39	64.5	1787.40	68207	9.8875 ng/ml
Clonazepam	5.598	11815	14900.86	35.3	79.55	16032	10.7690 ng/ml
Cocaine	4.237	12388	2709.78	56.6	3062.76	108805	10.1892 ng/ml
Codeine	2.562	1615	34.06	104.0	172.42	7667	11.3874 ng/ml
Diphenhydramine	5.259	44669	1863.08	32.2	2740.94	251665	10.0007 ng/ml
Fentanyl	5.057	1851	85.86	69.3	32.13	93114	1.0377 ng/ml
Fluorofentanyl	5.104	3725	1172.17	44.9	476.80	782	1.0937 ng/ml
Hydroxyzine	5.671	22568	17262.28	57.7	6276.04	48320	10.0307 ng/ml
Lamotrigine	4.253	12041	6396.28	80.3	677.57	155445	105.9073 ng/ml
Lorazepam	5.734	9011	738.17	50.5	258.10	64712	10.7991 ng/ml
Methamphetamine	3.195	27461	214.95	35.1	781.63	93500	10.6097 ng/ml
Mitragynine	5.185	5590	1490.61	38.5	417.70	123156	9.5455 ng/ml
Morphine	1.247	862	568.45	54.1	838.39	1181	9.0323 ng/ml
Norfentanyl	4.063	3070	642.08	39.1	91.35	118281	0.9767 ng/ml
o-desmethylvenlafaxine	4.047	7575	703.12	271.8	1119.50	33226	10.1967 ng/ml
Phentermine	3.751	7742	160.92	7.4	151.59	82767	10.0444 ng/ml
Quetiapine	5.493	21927	30744.84	55.6	76.33	32799	10.0345 ng/ml
Sertraline	5.756	8405	536.67	101.9	392.36	36964	10.0925 ng/ml
Venlafaxine	5.011	31856	495.29	32.1	265.36	148745	9.9056 ng/ml
Zolpidem	4.805	27998	581.75	28.7	574.05	117610	10.2390 ng/ml



AM #28 Multi-Drug Quant. Results

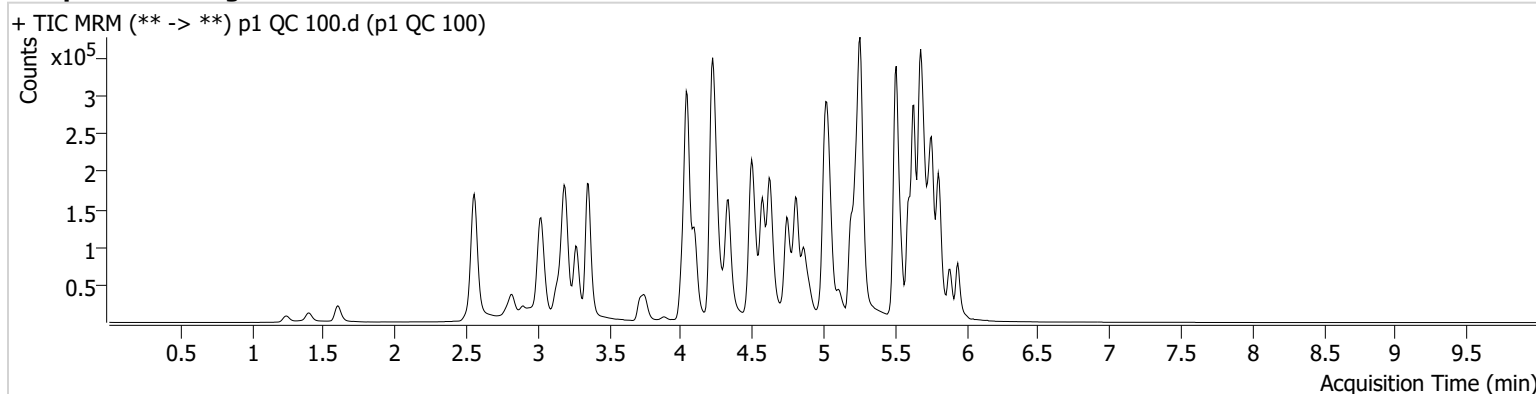
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Calibration Last Update 3/25/2025 12:48:16 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B2
Injection Volume 2
Acq. Date-Time 3/21/2025 3:34:37 AM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	3047	3391.99	70.7	244.56	8001	9.8575 ng/ml
7-aminoclonazepam	4.258	27861	7752.39	78.4	49273.50	12334	91.5612 ng/ml
a-hydroxyalprazolam	5.686	20778	1039.34	62.5	928.45	7551	102.0180 ng/ml
Alprazolam	5.763	96023	797.22	115.2	1324.22	34180	102.0092 ng/ml
Amphetamine	3.026	287789	75128.74	43.8	941.75	37161	97.7186 ng/ml
Benzoylcegonine	3.883	4866	32593.83	37.7	864.23	1765	99.9539 ng/ml
Buprenorphine	5.657	4286	772.57	17.6	855.51	15390	8.8601 ng/ml
Bupropion	4.752	194025	231276.34	63.6	260.07	67395	100.4381 ng/ml
Clonazepam	5.598	80271	21374.56	35.7	68092.91	12223	104.6493 ng/ml
Cocaine	4.237	111114	196971.55	56.5	985.72	99440	98.7386 ng/ml
Codeine	2.562	13467	3809.28	102.6	184.01	6941	106.7139 ng/ml
Diphenhydramine	5.259	425498	125460.84	33.1	1810.87	237702	98.7883 ng/ml
Fentanyl	5.057	17987	251844.22	67.6	5542.86	89776	9.6913 ng/ml
Fluorofentanyl	5.111	38425	7174.59	44.9	9397.95	882	9.5952 ng/ml
Hydroxyzine	5.671	210449	142815.28	63.3	129268.64	45877	95.4580 ng/ml
Lamotrigine	4.260	78803	25521.47	82.0	42508.68	140400	855.5469 ng/ml
Lorazepam	5.734	45157	11826.79	53.2	1313.92	41459	96.1920 ng/ml
Methamphetamine	3.195	259210	2852.16	35.5	17778.30	93344	106.4920 ng/ml
Mitragynine	5.185	59421	3879.19	39.1	24075.56	117656	103.6903 ng/ml
Morphine	1.240	8042	2863.30	55.5	1021.12	1089	104.2024 ng/ml
Norfentanyl	4.063	27223	2070.42	38.6	541.69	103787	9.0391 ng/ml
o-desmethylvenlafaxine	4.048	69346	8161.72	269.6	46233.99	30481	97.4584 ng/ml
Phentermine	3.751	71832	370.36	5.8	975.78	81175	101.4278 ng/ml
Quetiapine	5.493	207673	221938.00	58.8	54807.02	31704	103.0066 ng/ml
Sertraline	5.756	74333	870.87	101.6	253.18	32749	99.2057 ng/ml
Venlafaxine	5.011	311746	1069.98	32.7	524.81	142266	98.8356 ng/ml
Zolpidem	4.812	279876	404892.86	29.6	24524.03	116303	105.4452 ng/ml



AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28 P1_cases.batch.bin
Calibration Last Update 3/25/2025 12:48:16 PM

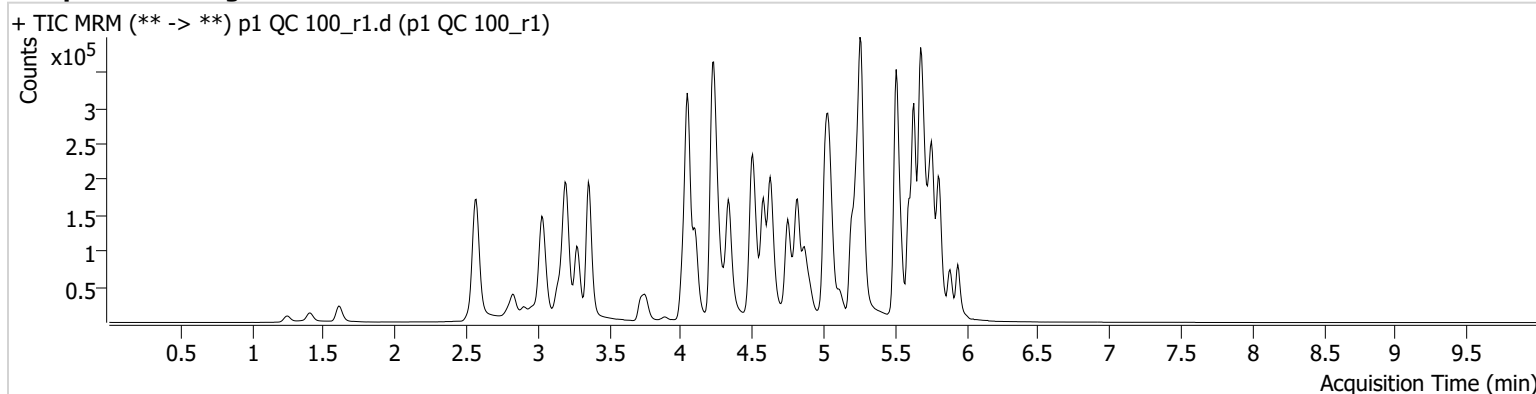
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Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B2
Injection Volume 2
Acq. Date-Time 3/21/2025 11:09:47 AM
Sample Info.

Data File p1 QC 100_r1.d
Sample p1 QC 100_r1
Operator Tamara Salazar
Comment

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Used to bracket reinjected samples.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.129	3196	∞	72.4	3323.69	8511	9.7193 ng/ml
7-aminoclonazepam	4.265	30153	34522.33	77.6	76.34	13192	92.6501 ng/ml
a-hydroxyalprazolam	5.686	21538	588.23	62.6	390.09	7521	106.1867 ng/ml
Alprazolam	5.763	102563	901.14	113.4	409.27	36913	100.8896 ng/ml
Amphetamine	3.033	302596	59372.17	44.5	53084.93	40064	95.2775 ng/ml
Benzoyllecgonine	3.889	5225	918.03	37.7	144.88	1810	104.6521 ng/ml
Buprenorphine	5.663	4653	1867.22	16.4	184.71	16758	8.8334 ng/ml
Bupropion	4.752	201716	1723.27	64.9	25925.11	69997	100.5376 ng/ml
Clonazepam	5.598	83869	4978.66	34.2	12724.33	12089	110.6109 ng/ml
Cocaine	4.244	115084	68238.12	57.4	10888.37	105018	96.8377 ng/ml
Codeine	2.576	14107	6709.23	102.3	6575.35	7080	109.5973 ng/ml
Diphenhydramine	5.266	454043	574.60	33.1	1104.17	248732	100.7365 ng/ml
Fentanyl	5.063	19172	338.47	69.0	8010.08	96518	9.6089 ng/ml
Fluorofentanyl	5.111	41713	4787.44	43.1	2636.25	879	10.4514 ng/ml
Hydroxyzine	5.671	230078	255617.47	63.7	210314.16	48678	98.3481 ng/ml
Lamotrigine	4.267	82744	108890.89	83.3	78792.57	150491	837.8113 ng/ml
Lorazepam	5.734	45774	1670.66	53.2	1018.85	41613	97.1648 ng/ml
Methamphetamine	3.202	278012	2794.51	35.5	11190.08	101953	104.5583 ng/ml
Mitragynine	5.192	58396	601.35	40.9	26015.11	124276	96.4913 ng/ml
Morphine	1.247	8461	∞	56.6	850.69	1114	107.2026 ng/ml
Norfentanyl	4.063	28786	∞	39.3	1018.48	107140	9.2567 ng/ml
o-desmethylvenlafaxine	4.055	72976	2126.24	270.1	52497.33	32036	97.5801 ng/ml
Phentermine	3.758	78011	3306.57	6.2	104.72	87295	102.4379 ng/ml
Quetiapine	5.500	215429	192836.36	58.7	157713.75	34443	98.3308 ng/ml
Sertraline	5.756	74661	556.41	101.7	860.42	32806	99.4695 ng/ml
Venlafaxine	5.017	326165	69546.59	32.5	247.50	152249	96.6335 ng/ml
Zolpidem	4.818	296784	142404.69	29.2	1998.57	125267	103.8114 ng/ml



AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28 P1_cases.batch.bin
Calibration Last Update 3/25/2025 12:48:16 PM

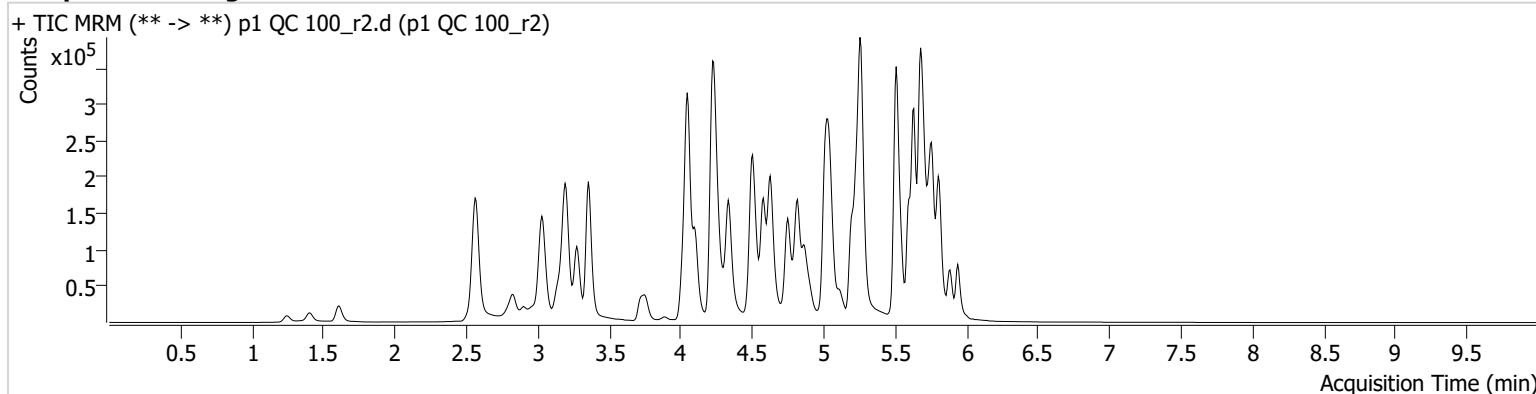
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Injection Volume 2
Acq. Date-Time 3/21/2025 12:13:47 PM
Sample Info.

Data File p1 QC 100_r2.d
Sample p1 QC 100_r2
Operator Tamara Salazar
Comment

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Used to bracket reinjected samples.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.129	3195	4424.36	71.9	533.16	8462	9.7719 ng/ml
7-aminoclonazepam	4.265	29962	6561.95	79.3	4470.18	12590	96.4661 ng/ml
a-hydroxyalprazolam	5.686	20826	166.39	62.6	426.47	7432	103.9039 ng/ml
Alprazolam	5.763	100581	548.93	109.7	467.74	35434	103.0683 ng/ml
Amphetamine	3.033	300182	2715.69	44.5	83516.39	38152	99.2939 ng/ml
Benzoyllecgonine	3.889	5092	205.48	38.6	145.05	1921	96.0876 ng/ml
Buprenorphine	5.663	4767	6745.10	15.5	409.61	15792	9.5982 ng/ml
Bupropion	4.752	201119	432464.28	63.5	12281.40	68993	101.7003 ng/ml
Clonazepam	5.598	82153	11240.42	36.4	87589.98	12169	107.6033 ng/ml
Cocaine	4.237	114539	568.26	57.4	47230.18	102981	98.2830 ng/ml
Codeine	2.569	14263	57.66	96.4	19078.37	7026	111.6709 ng/ml
Diphenhydramine	5.266	440061	92979.91	33.1	357.51	249315	97.4135 ng/ml
Fentanyl	5.063	17959	3013.17	71.1	10516.03	93433	9.3011 ng/ml
Fluorofentanyl	5.111	39317	631.02	45.5	3665.71	907	9.5477 ng/ml
Hydroxyzine	5.671	224215	126794.45	63.3	122547.98	47569	98.0754 ng/ml
Lamotrigine	4.267	80609	55897.17	83.8	56073.95	148382	827.6230 ng/ml
Lorazepam	5.734	46882	6618.29	51.0	1549.30	42096	98.3960 ng/ml
Methamphetamine	3.202	269727	4003.53	35.8	1489.75	99510	103.9291 ng/ml
Mitragynine	5.192	60307	140166.80	37.0	211.94	119944	103.2299 ng/ml
Morphine	1.247	8211	493.77	57.6	629.09	1091	106.2021 ng/ml
Norfentanyl	4.063	28280	64399.43	37.9	1230.53	107702	9.0485 ng/ml
o-desmethylvenlafaxine	4.047	71096	3530.06	274.9	9657.20	31112	97.8866 ng/ml
Phentermine	3.758	75635	957.60	6.3	2632.76	85007	101.9879 ng/ml
Quetiapine	5.500	213618	41223.05	58.3	399.40	33720	99.6020 ng/ml
Sertraline	5.756	74181	534.88	99.6	20748.47	31482	102.9823 ng/ml
Venlafaxine	5.017	324140	872.11	32.3	13113.15	148967	98.1446 ng/ml
Zolpidem	4.818	288347	207204.83	29.5	86303.75	123364	102.4128 ng/ml



AM #28 Multi-Drug Quant. Results

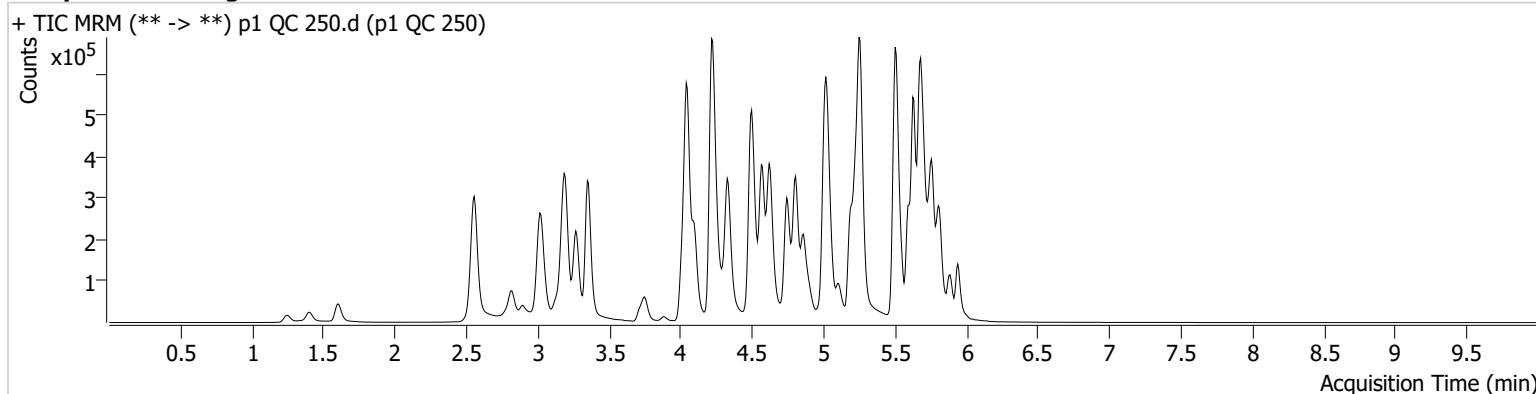
Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28 P1_cases.batch.bin
Calibration Last Update 3/25/2025 12:48:16 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C2
Injection Volume 2
Acq. Date-Time 3/20/2025 10:15:18 PM
Sample Info.

Data File p1 QC 250.d
Sample p1 QC 250
Operator Tamara Salazar
Comment

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.116	7612	9877.12	68.6	6883.03	7349	26.7876 ng/ml
7-aminoclonazepam	4.265	42197	1010.81	81.0	4729.35	7268	235.2380 ng/ml
a-hydroxyalprazolam	5.679	33430	196.63	65.7	107.84	5079	244.2881 ng/ml
Alprazolam	5.763	192742	1428.85	114.6	4297.96	27724	252.3338 ng/ml
Amphetamine	3.026	565343	32031.17	44.3	22051.87	35011	204.8009 ng/ml
Benzoyllecgonine	3.883	12093	2909.44	38.6	1002.26	1859	236.3748 ng/ml
Buprenorphine	5.650	9641	9243.96	17.6	2486.59	12915	23.6509 ng/ml
Bupropion	4.745	459696	57727.07	63.6	2278.14	64837	247.5684 ng/ml
Clonazepam	5.598	124092	38232.97	35.2	13850.37	8565	232.1748 ng/ml
Cocaine	4.237	243872	604.64	56.2	46758.08	85560	251.6447 ng/ml
Codeine	2.562	27532	4783.94	100.6	210.56	6070	249.7775 ng/ml
Diphenhydramine	5.259	971007	160226.79	33.1	1927.91	214841	249.0805 ng/ml
Fentanyl	5.057	43708	115.68	71.7	13749.10	84339	24.9348 ng/ml
Fluorofentanyl	5.104	97874	14823.71	44.4	9674.38	727	29.5371 ng/ml
Hydroxyzine	5.671	478576	701903.68	67.9	219134.87	41033	242.1736 ng/ml
Lamotrigine	4.260	125383	59592.58	82.6	496.13	124322	1548.5410 ng/ml
Lorazepam	5.728	59252	12215.57	53.6	1602.12	23400	225.9093 ng/ml
Methamphetamine	3.195	597898	54987.56	35.3	61791.50	94930	242.4599 ng/ml
Mitragynine	5.178	134432	170935.59	36.7	780.02	107668	255.9812 ng/ml
Morphine	1.247	18061	566.91	55.4	302.74	983	261.3509 ng/ml
Norfentanyl	4.063	56519	40331.26	39.2	841.69	82333	23.5088 ng/ml
o-desmethylvenlafaxine	4.047	148657	3377.57	276.5	18845.24	25885	245.2874 ng/ml
Phentermine	3.751	154965	2579.47	6.0	986.05	78778	226.3982 ng/ml
Quetiapine	5.493	462614	83407.90	59.4	197883.05	31291	233.1542 ng/ml
Sertraline	5.756	159125	234.06	100.5	58062.08	28543	243.4143 ng/ml
Venlafaxine	5.011	723699	61000.64	31.7	5925.46	132198	246.5064 ng/ml
Zolpidem	4.805	677928	207267.40	28.8	24610.92	116209	255.9256 ng/ml



AM #28 Multi-Drug Quant. Results

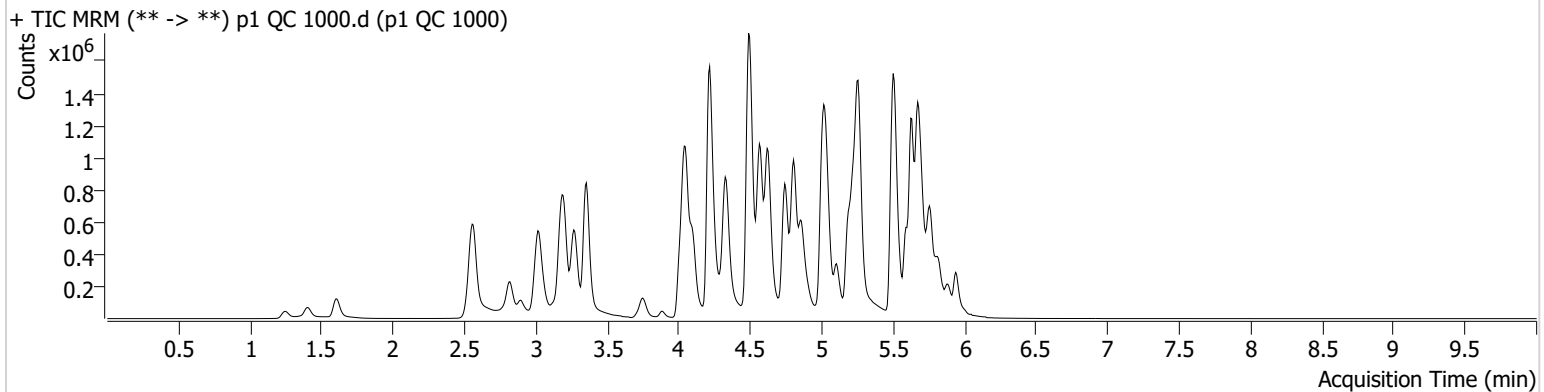
Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28 P1_cases.batch.bin
Calibration Last Update 3/25/2025 12:48:16 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D2
Injection Volume 2
Acq. Date-Time 3/20/2025 10:36:36 PM
Sample Info.

Data File p1 QC 1000.d
Sample p1 QC 1000
Operator Tamara Salazar
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	24180	1041.33	72.9	79330.07	6355	98.3578 ng/ml
7-aminoclonazepam	4.265	58836	10948.65	78.0	4256.49	2030	1173.9346 ng/ml
a-hydroxyalprazolam	5.686	45182	345.57	64.6	244.82	1581	1061.2605 ng/ml
Alprazolam	5.763	406581	322.95	112.9	240.65	16160	912.9989 ng/ml
Amphetamine	3.026	1188754	2684.94	44.7	94009.32	29752	508.1786 ng/ml
Benzoylcegonine	3.883	47347	21592.37	38.1	5886.52	1787	964.4257 ng/ml
Buprenorphine	5.650	22286	24324.83	15.8	664.73	6189	113.8450 ng/ml
Bupropion	4.745	1431245	1163853.35	62.9	663147.86	55709	897.4893 ng/ml
Clonazepam	5.591	122886	11315.25	35.7	18001.70	3194	618.3861 ng/ml
Cocaine	4.230	563875	630074.26	56.4	43957.34	51416	967.8393 ng/ml
Codeine	2.562	66462	217.15	97.2	7111.89	3849	951.4494 ng/ml
Diphenhydramine	5.259	2564640	258559.95	33.6	1019.42	144879	974.9020 ng/ml
Fentanyl	5.057	159736	1712163.45	70.8	68787.99	66262	115.6792 ng/ml
Fluorofentanyl	5.104	384690	69172.07	44.6	6892.76	778	108.4282 ng/ml
Hydroxyzine	5.671	1288613	1642022.67	70.4	87606.42	26014	1027.4160 ng/ml
Lamotrigine	4.260	154219	70437.50	82.3	4795.52	77809	3056.8995 ng/ml
Lorazepam	5.728	81014	20053.00	53.3	5759.76	7047	1031.7229 ng/ml
Methamphetamine	3.195	1663253	6853.07	35.2	81087.89	92529	693.3400 ng/ml
Mitragynine	5.178	359182	204673.15	40.7	10476.02	77518	949.2871 ng/ml
Morphine	1.247	52417	2176.67	54.2	402.99	761	983.5605 ng/ml
Norfentanyl	4.063	107383	1429.32	38.4	2829.67	30901	118.6357 ng/ml
o-desmethylvenlafaxine	4.048	316907	58614.08	269.4	1864.88	12952	1043.4306 ng/ml
Phentermine	3.751	410401	1527.05	5.7	1557.07	68475	691.3424 ng/ml
Quetiapine	5.486	1185944	385135.02	59.7	∞	26433	708.6471 ng/ml
Sertraline	5.750	309470	185.71	94.9	219.93	13425	1005.9666 ng/ml
Venlafaxine	5.011	2067945	134702.38	32.9	53853.51	97138	957.8299 ng/ml
Zolpidem	4.805	2143120	880202.46	29.4	444556.74	102156	920.9066 ng/ml



AM #28 Multi-Drug Quant. Results

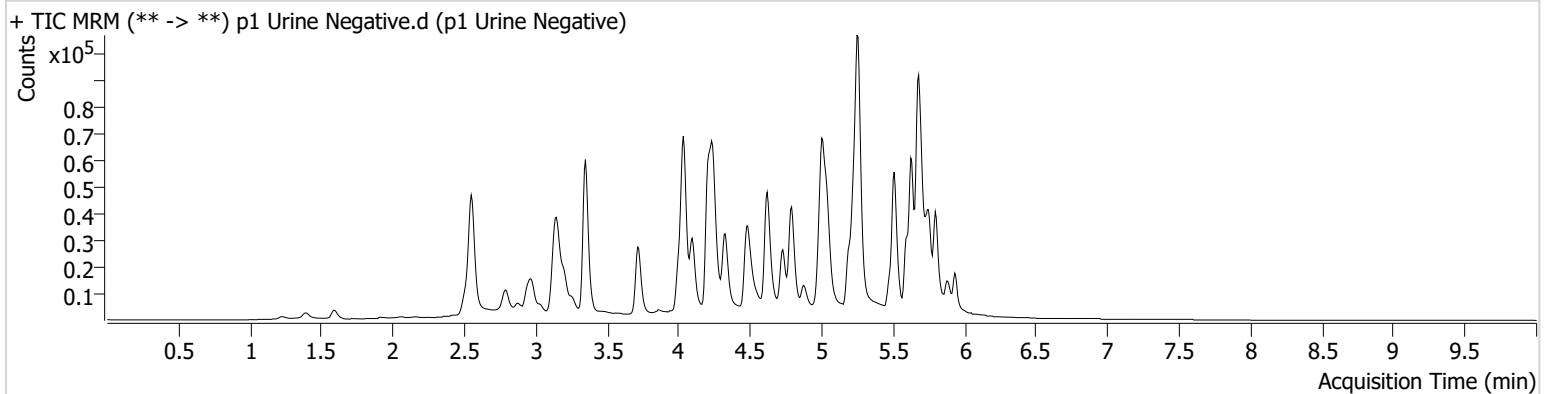
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Calibration Last Update 3/25/2025 12:48:16 PM

Instrument Falco (069901)
Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C4
Injection Volume 2
Acq. Date-Time 3/21/2025 3:55:54 AM
Sample Info.

Data File p1 Urine Negative.d
Sample p1 Urine Negative
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





AM #28 Multi-Drug Quant. Results

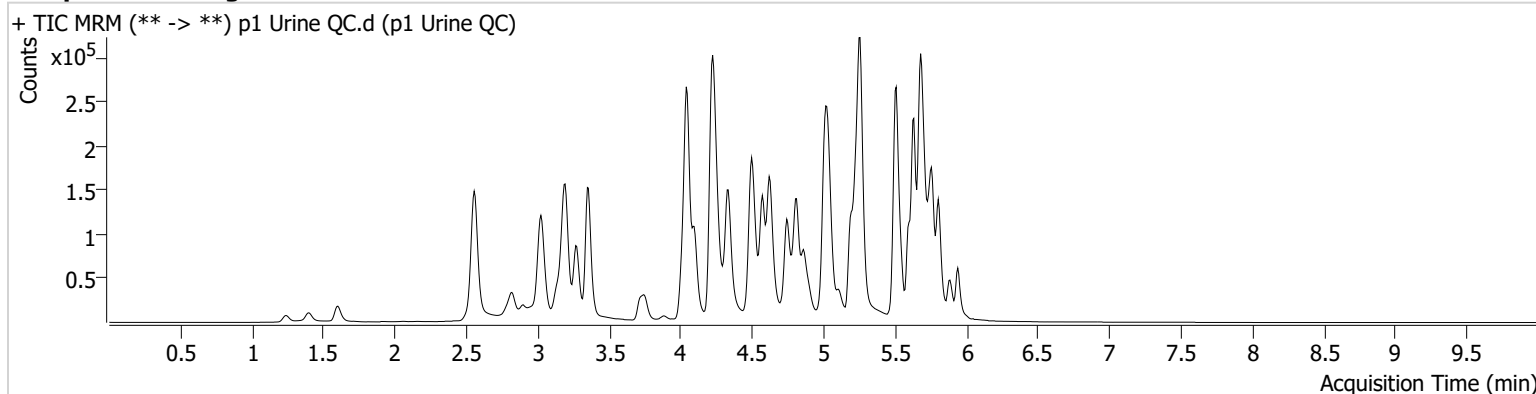
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Calibration Last Update 3/25/2025 12:48:16 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-E2
Injection Volume 2
Acq. Date-Time 3/21/2025 5:21:07 AM
Sample Info.

Data File p1 Urine QC.d
Sample p1 Urine QC
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



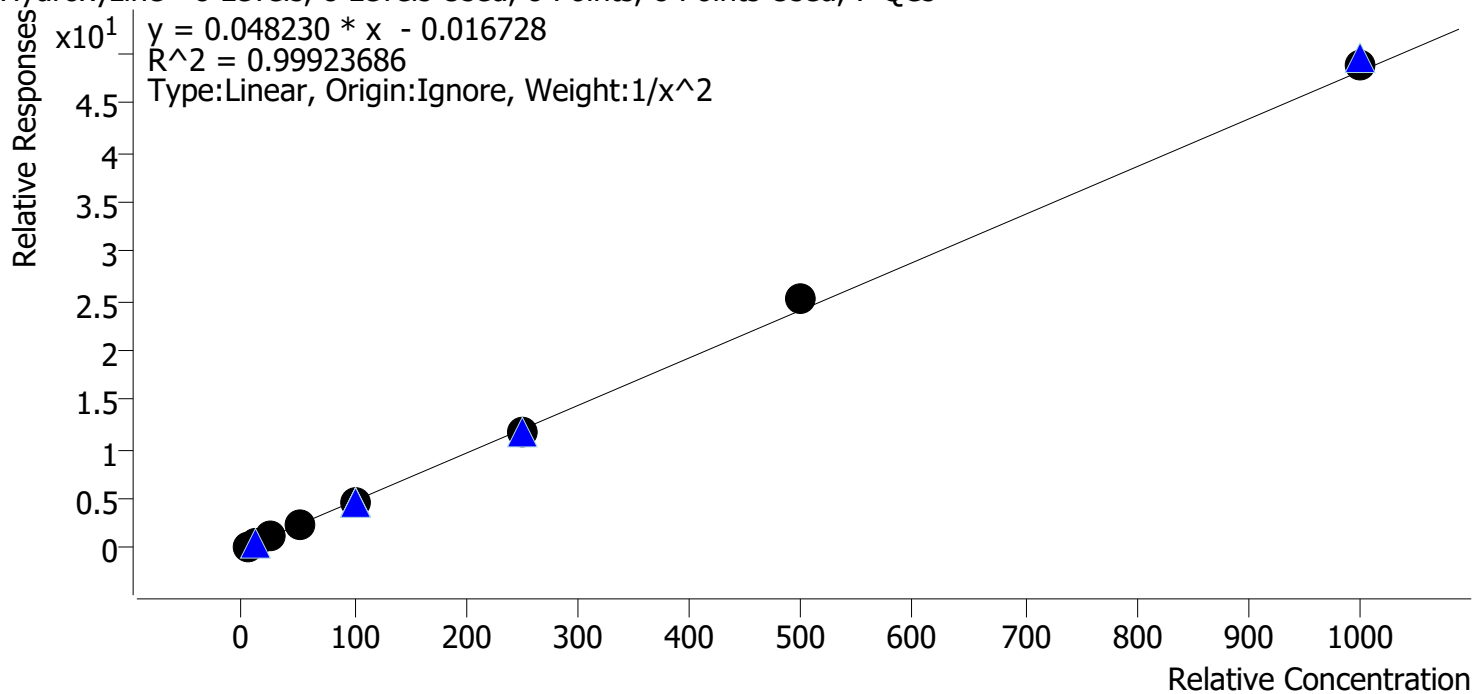
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	2710	241.19	70.8	1165.34	6689	10.4845 ng/ml
7-aminoclonazepam	4.258	30227	11942.90	80.5	1951.98	12598	97.2572 ng/ml
a-hydroxyalprazolam	5.686	16002	374.02	62.8	726.27	5509	107.7103 ng/ml
Alprazolam	5.763	75253	∞	113.7	640.53	26729	102.2287 ng/ml
Amphetamine	3.026	244549	33020.80	45.1	578.09	32031	96.3234 ng/ml
Benzoylcegonine	3.883	4512	1566.80	37.7	228.78	1627	100.5270 ng/ml
Buprenorphine	5.657	3938	2334.57	15.9	617.40	12975	9.6513 ng/ml
Bupropion	4.745	161179	18592.39	62.8	937.02	54538	103.1083 ng/ml
Clonazepam	5.598	44629	4239.22	34.3	3250.35	6287	113.2088 ng/ml
Cocaine	4.237	92928	567.86	54.9	3357.82	80947	101.4401 ng/ml
Codeine	2.562	11678	18294.29	101.7	2092.32	5899	108.8890 ng/ml
Diphenhydramine	5.259	365586	68658.47	33.0	348.79	200819	100.4639 ng/ml
Fentanyl	5.057	14887	261.11	69.4	825.45	75764	9.5063 ng/ml
Fluorofentanyl	5.104	33210	3740.16	45.0	10226.90	689	10.6063 ng/ml
Hydroxyzine	5.671	172675	27615.71	65.2	31537.21	38198	94.0763 ng/ml
Lamotrigine	4.260	69256	9031.60	83.1	1522.79	122075	864.9182 ng/ml
Lorazepam	5.734	31851	3010.17	52.0	400.22	28191	99.8438 ng/ml
Methamphetamine	3.195	216934	708.57	35.0	25048.90	76604	108.6140 ng/ml
Mitragynine	5.185	55637	55940.88	39.0	24047.57	95178	119.9766 ng/ml
Morphine	1.240	7103	524.86	55.5	459.78	943	106.2494 ng/ml
Norfentanyl	4.056	23028	684.41	38.0	400.60	87678	9.0507 ng/ml
o-desmethylenlafaxine	4.047	58739	368.79	274.0	2916.33	26294	95.7052 ng/ml
Phentermine	3.751	60274	1298.18	6.2	824.08	66597	103.7560 ng/ml
Quetiapine	5.493	171064	174.01	57.5	88450.26	25960	103.6246 ng/ml
Sertraline	5.756	47531	1091.29	97.5	201.65	20649	100.6050 ng/ml
Venlafaxine	5.011	261337	8571.97	33.0	1333.20	119100	98.9696 ng/ml
Zolpidem	4.812	236363	72933.19	29.5	27449.20	100380	103.1729 ng/ml



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Hydroxyzine **Internal Standard** Dextromethorphan-D3

Hydroxyzine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



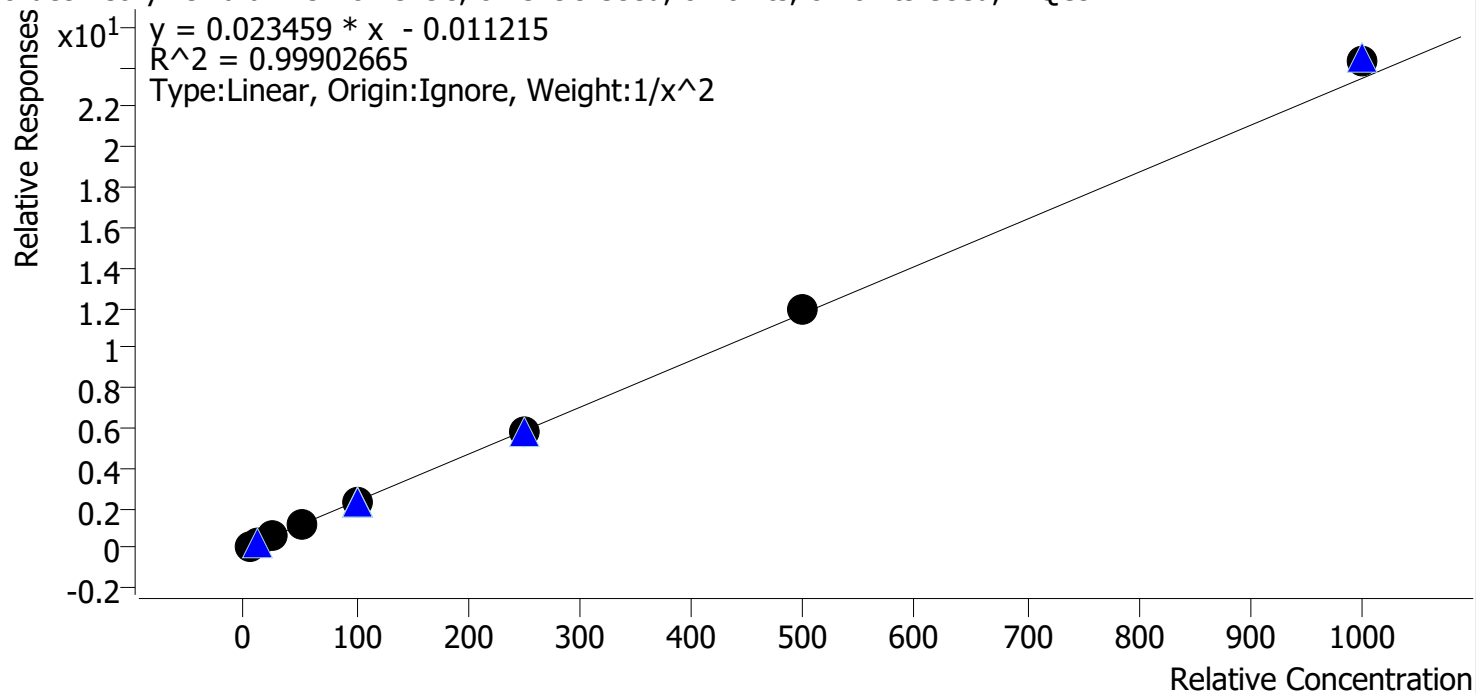
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p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	522.0	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1014.7	101.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6

o-desmethylvenlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



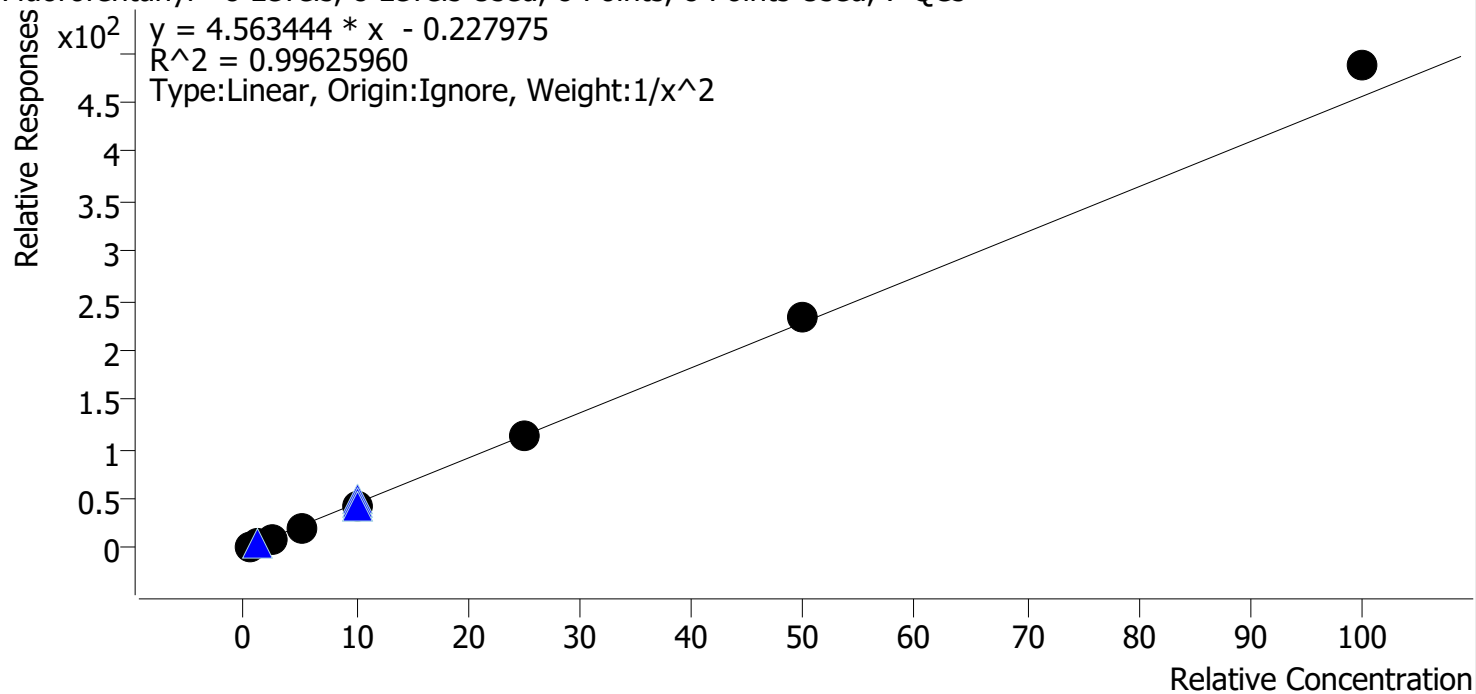
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	510.9	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1033.3	103.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

Fluorofentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



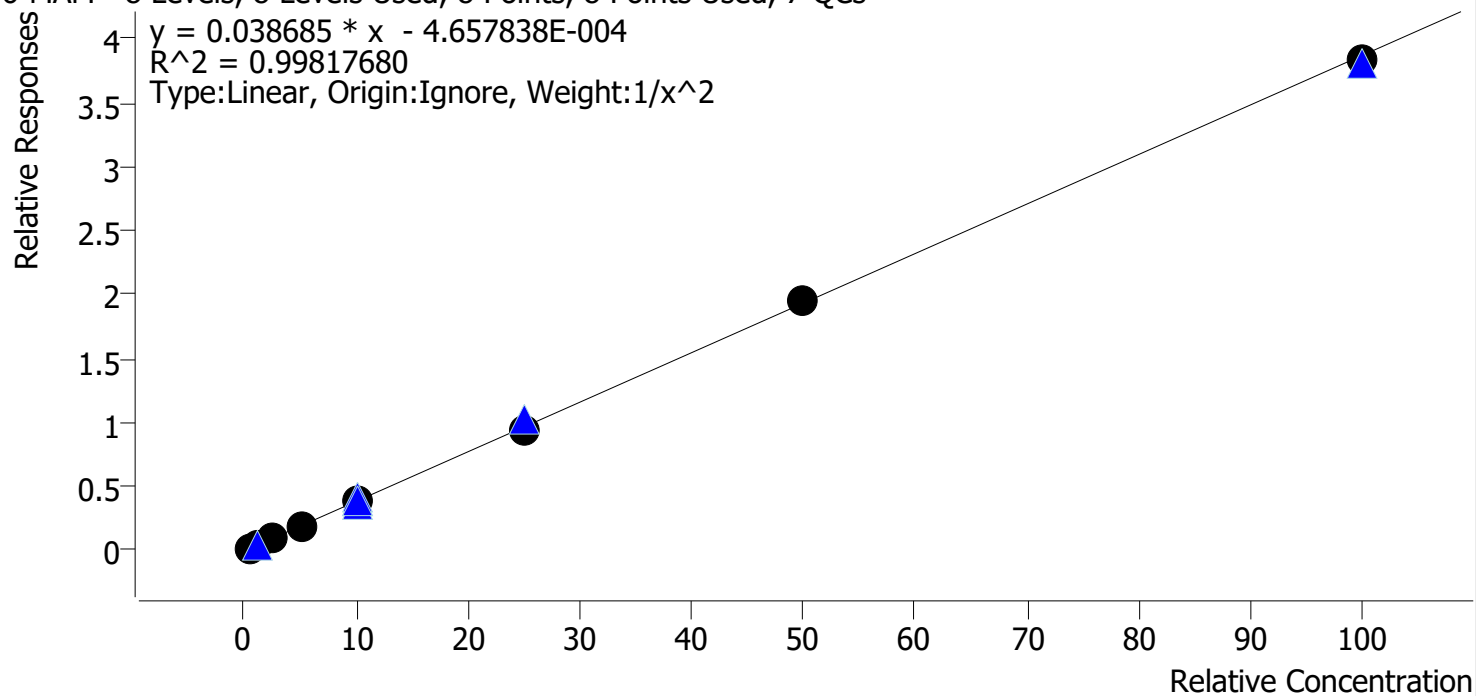
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.9
p1 Cal 2-10ng	2	✓	1.0	1.1	107.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.3
p1 Cal 4-50ng	4	✓	5.0	4.8	96.8
p1 Cal 5-100ng	5	✓	10.0	9.3	92.8
p1 Cal 6-250ng	6	✓	25.0	25.1	100.6
p1 Cal 7-500ng	7	✓	50.0	51.3	102.5
p1 Cal 8-1000ng	8	✓	100.0	106.8	106.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 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, 7 QCs



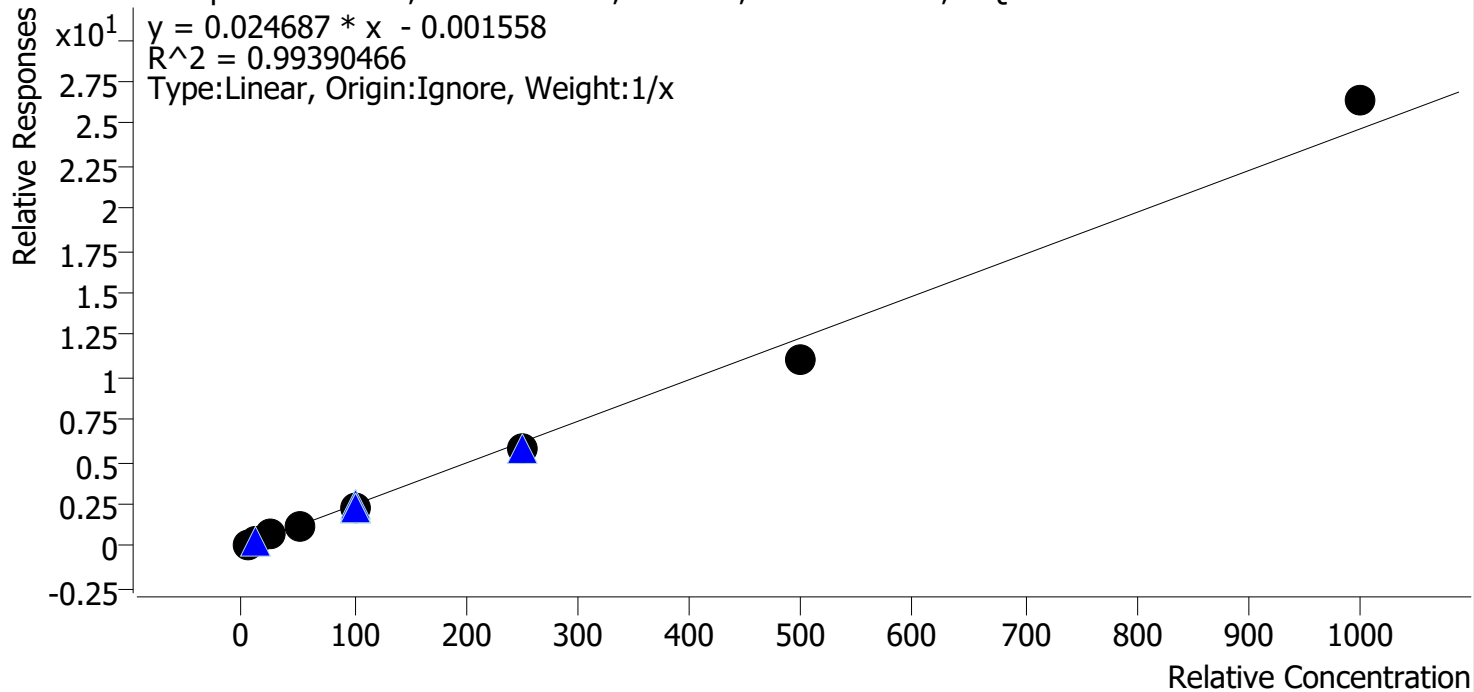
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.7
p1 Cal 2-10ng	2	✓	1.0	1.0	96.1
p1 Cal 3 -25ng	3	✓	2.5	2.7	107.6
p1 Cal 4-50ng	4	✓	5.0	4.9	97.9
p1 Cal 5-100ng	5	✓	10.0	10.1	101.3
p1 Cal 6-250ng	6	✓	25.0	24.0	96.2
p1 Cal 7-500ng	7	✓	50.0	50.6	101.2
p1 Cal 8-1000ng	8	✓	100.0	99.0	99.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



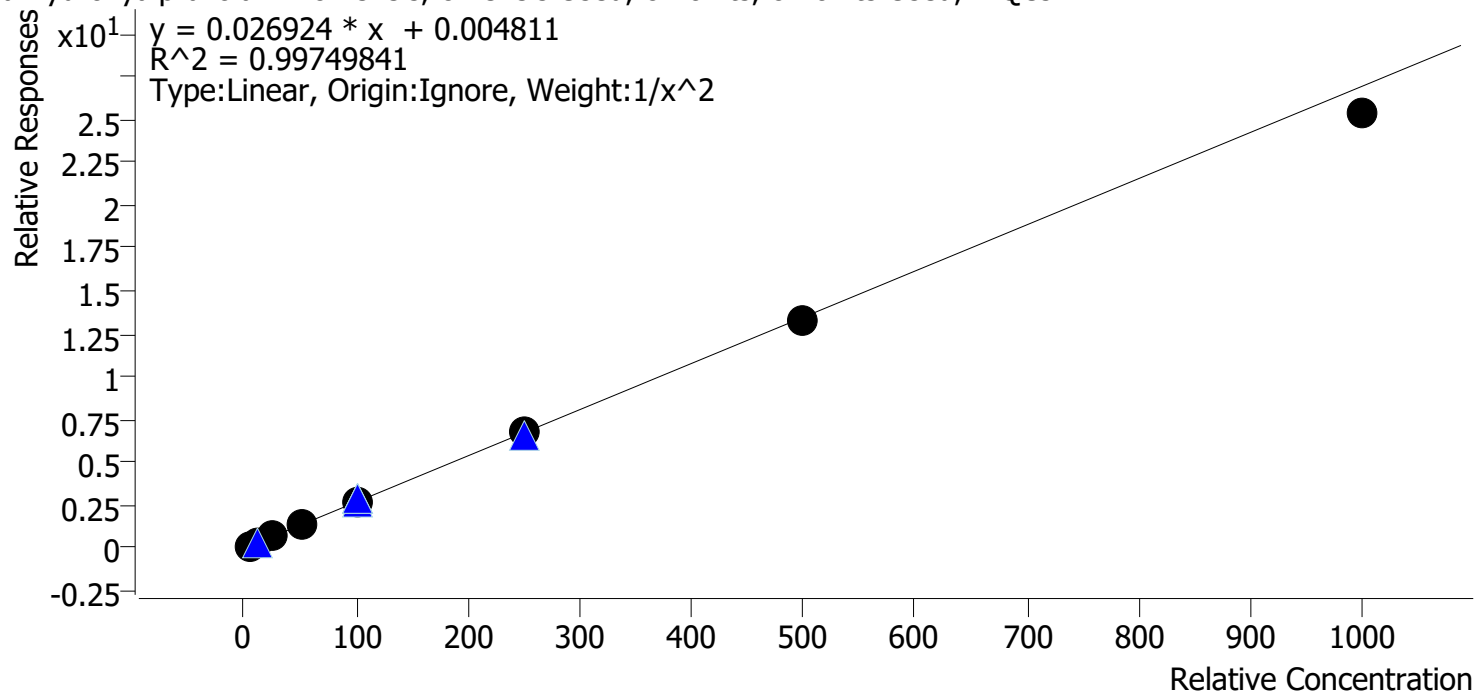
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.7
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.8
p1 Cal 4-50ng	4	✓	50.0	48.0	96.1
p1 Cal 5-100ng	5	✓	100.0	92.9	92.9
p1 Cal 6-250ng	6	✓	250.0	236.3	94.5
p1 Cal 7-500ng	7	✓	500.0	451.7	90.3
p1 Cal 8-1000ng	8	✓	1000.0	1068.3	106.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



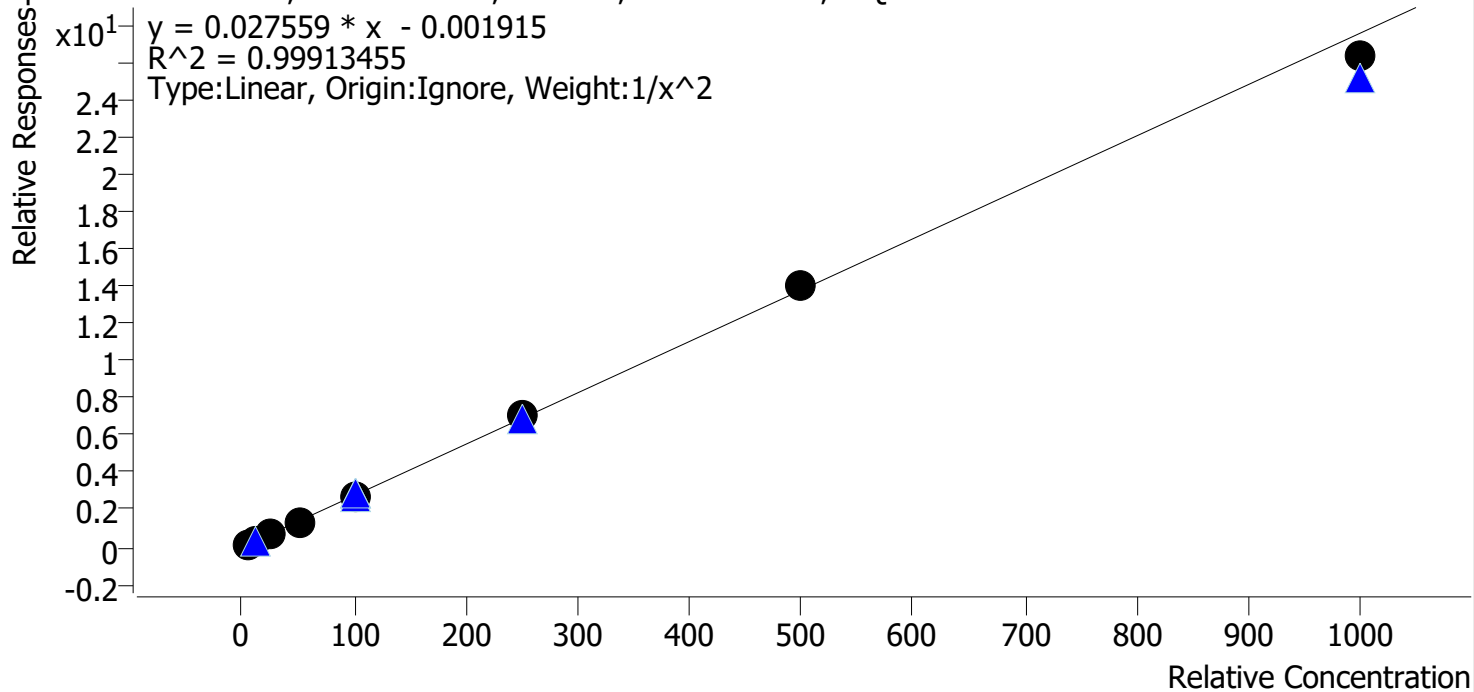
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.7	107.1
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	495.2	99.0
p1 Cal 8-1000ng	8	✓	1000.0	938.6	93.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



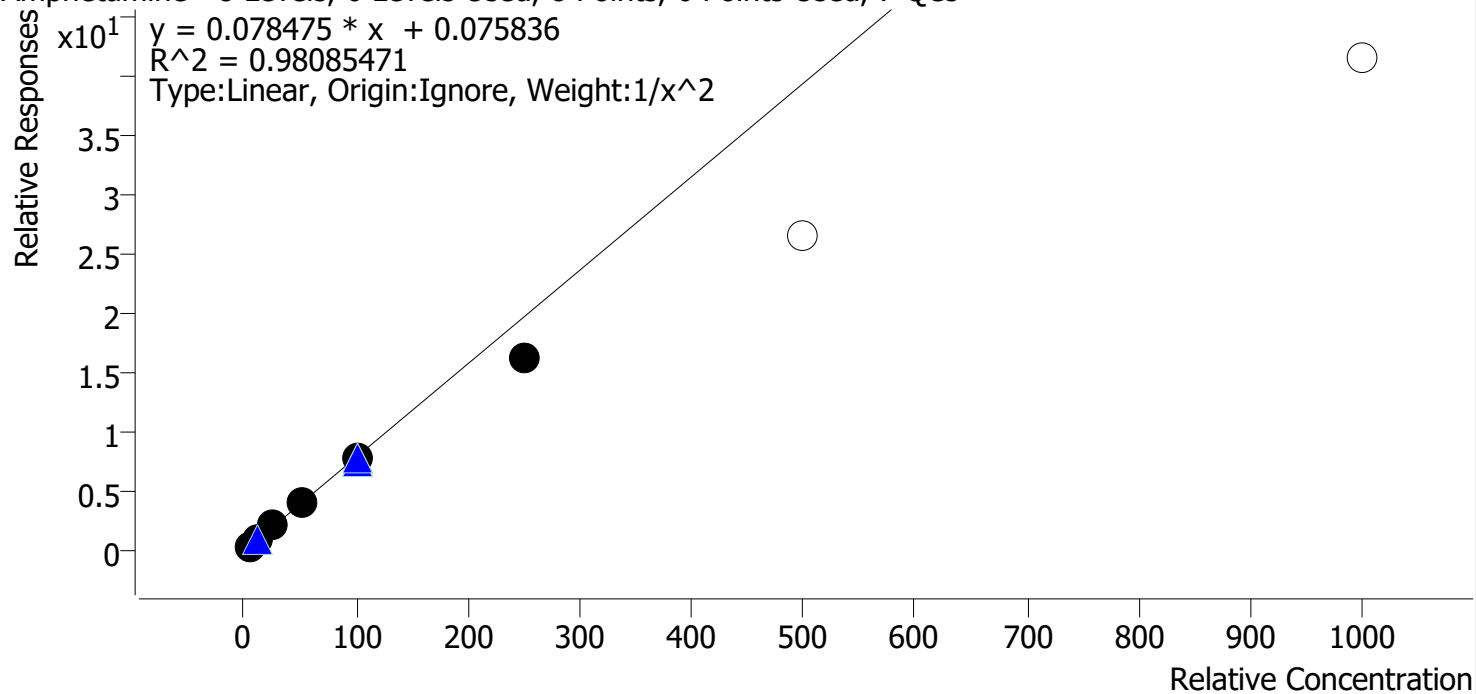
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	257.9	103.2
p1 Cal 7-500ng	7	✓	500.0	507.5	101.5
p1 Cal 8-1000ng	8	✓	1000.0	955.1	95.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 7 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	92.6
p1 Cal 2-10ng	2	✓	10.0	11.0	110.2
p1 Cal 3 -25ng	3	✓	25.0	27.7	110.7
p1 Cal 4-50ng	4	✓	50.0	53.2	106.3
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	204.4	81.8
p1 Cal 7-500ng	7	✗	500.0	335.5	67.1
p1 Cal 8-1000ng	8	✗	1000.0	526.7	52.7



AM #28 Multi-Drug Quant. Calibration Curve Report

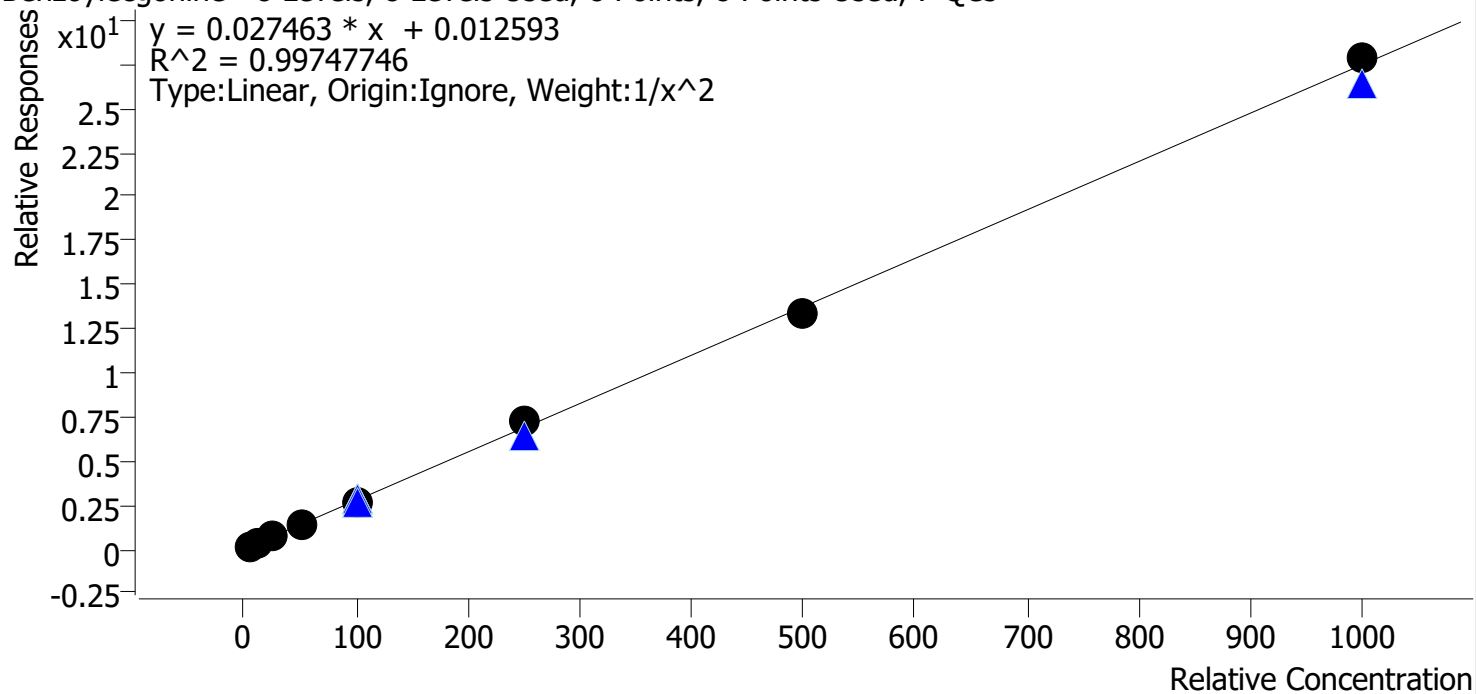
Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
P1_cases.batch.bin

Last Cal. Update 3/25/2025 12:48 PM

Analyst Name ISP\datastor

Analyte Benzoyllecgonine **Internal Standard** Benzoyllecgonine-d8

Benzoyllecgonine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



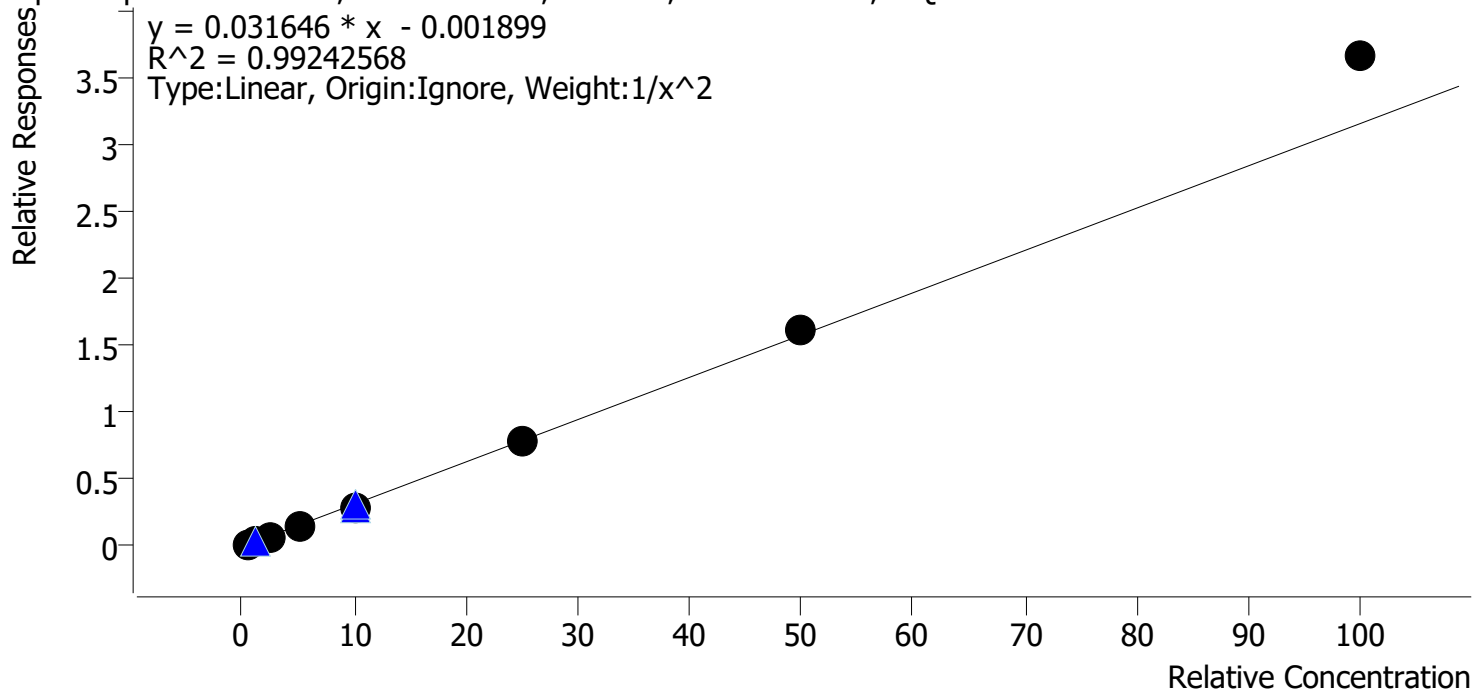
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.5
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	264.0	105.6
p1 Cal 7-500ng	7	✓	500.0	483.5	96.7
p1 Cal 8-1000ng	8	✓	1000.0	1013.4	101.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

Buprenorphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



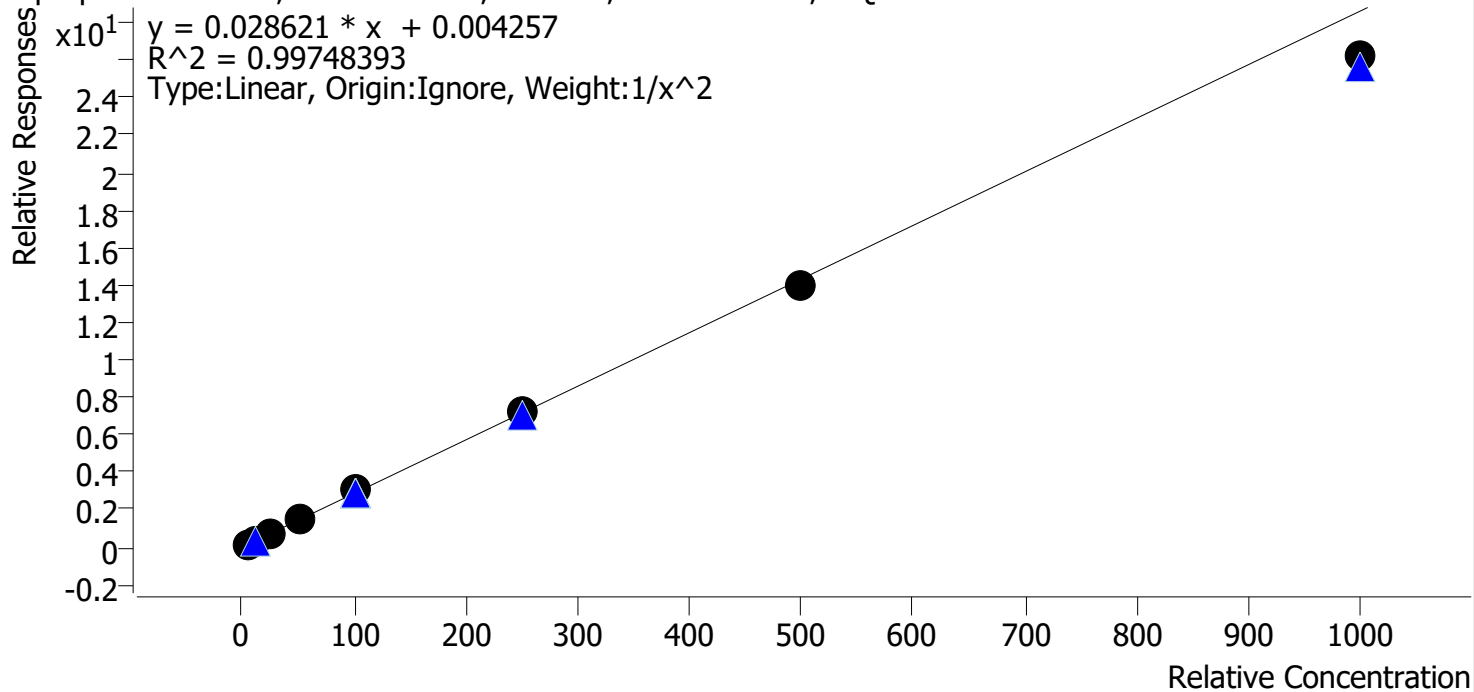
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.5
p1 Cal 2-10ng	2	✓	1.0	1.0	101.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.6
p1 Cal 4-50ng	4	✓	5.0	4.6	91.5
p1 Cal 5-100ng	5	✓	10.0	9.3	93.1
p1 Cal 6-250ng	6	✓	25.0	24.7	98.9
p1 Cal 7-500ng	7	✓	50.0	51.2	102.4
p1 Cal 8-1000ng	8	✓	100.0	115.9	115.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs

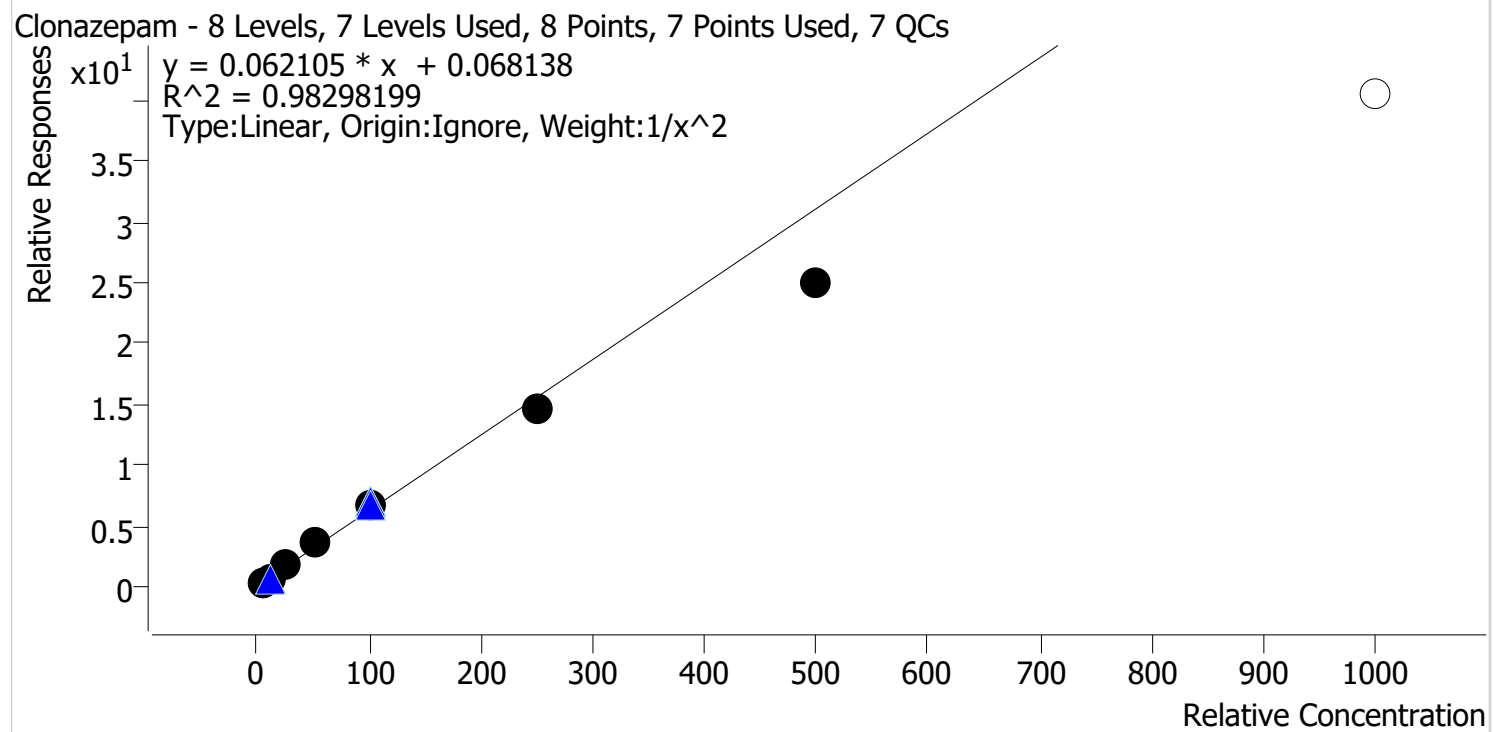


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	485.2	97.0
p1 Cal 8-1000ng	8	✓	1000.0	915.7	91.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



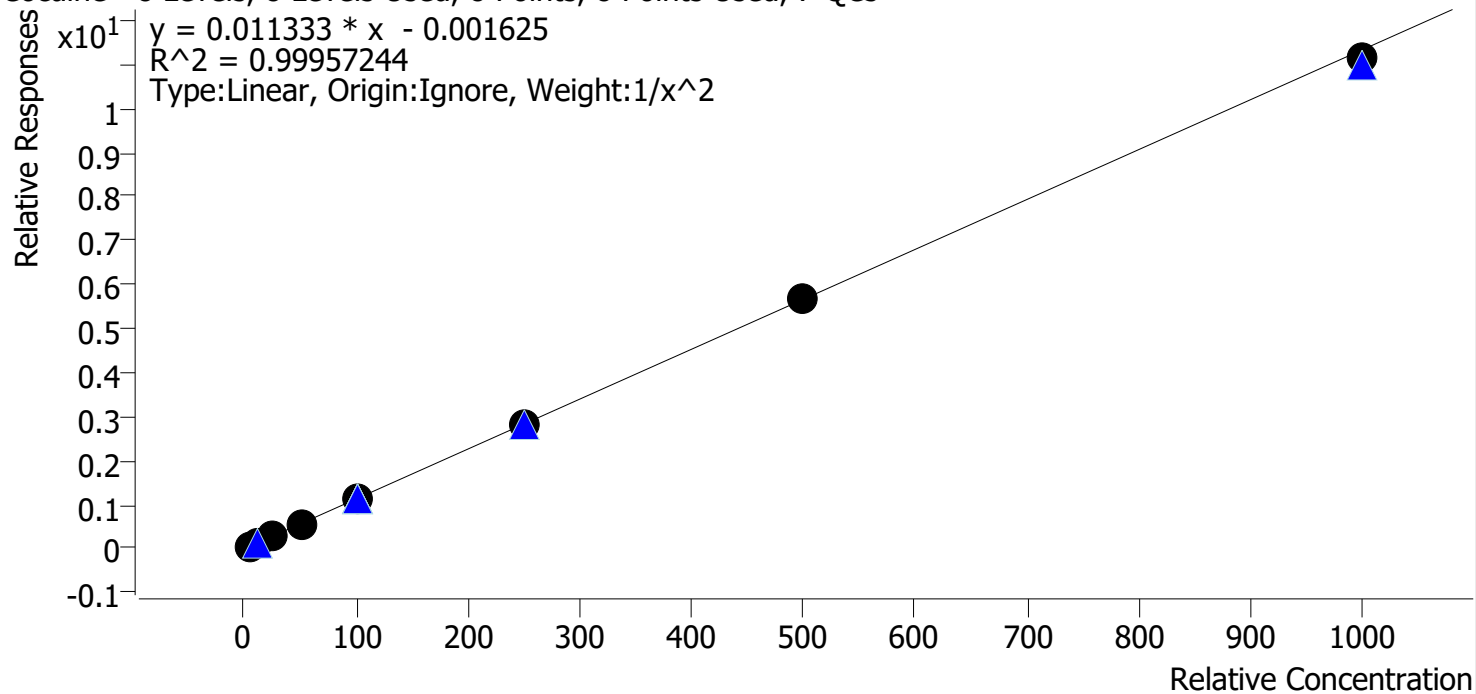
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	27.5	109.9
p1 Cal 4-50ng	4	✓	50.0	56.0	112.0
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	234.4	93.8
p1 Cal 7-500ng	7	✓	500.0	401.2	80.2
p1 Cal 8-1000ng	8	✗	1000.0	651.5	65.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-D3

Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



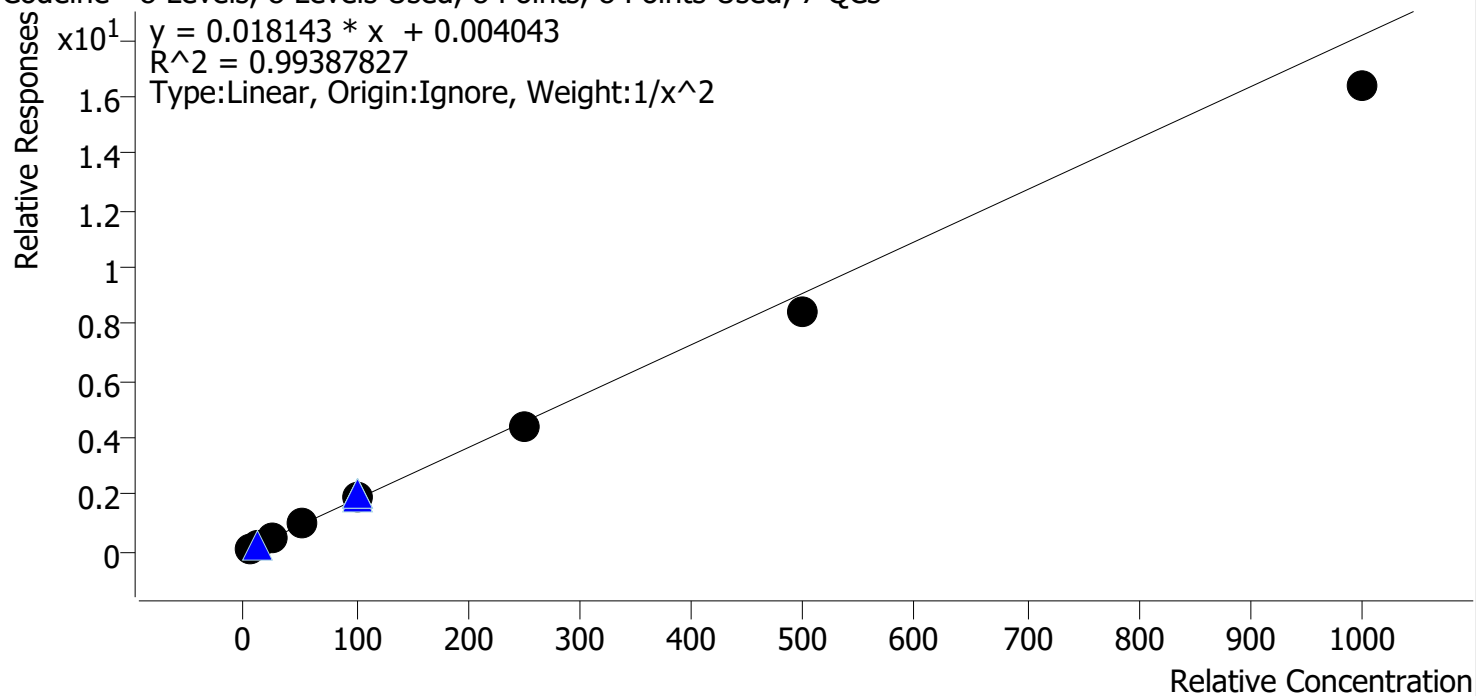
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	502.9	100.6
p1 Cal 8-1000ng	8	✓	1000.0	983.1	98.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

Codeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



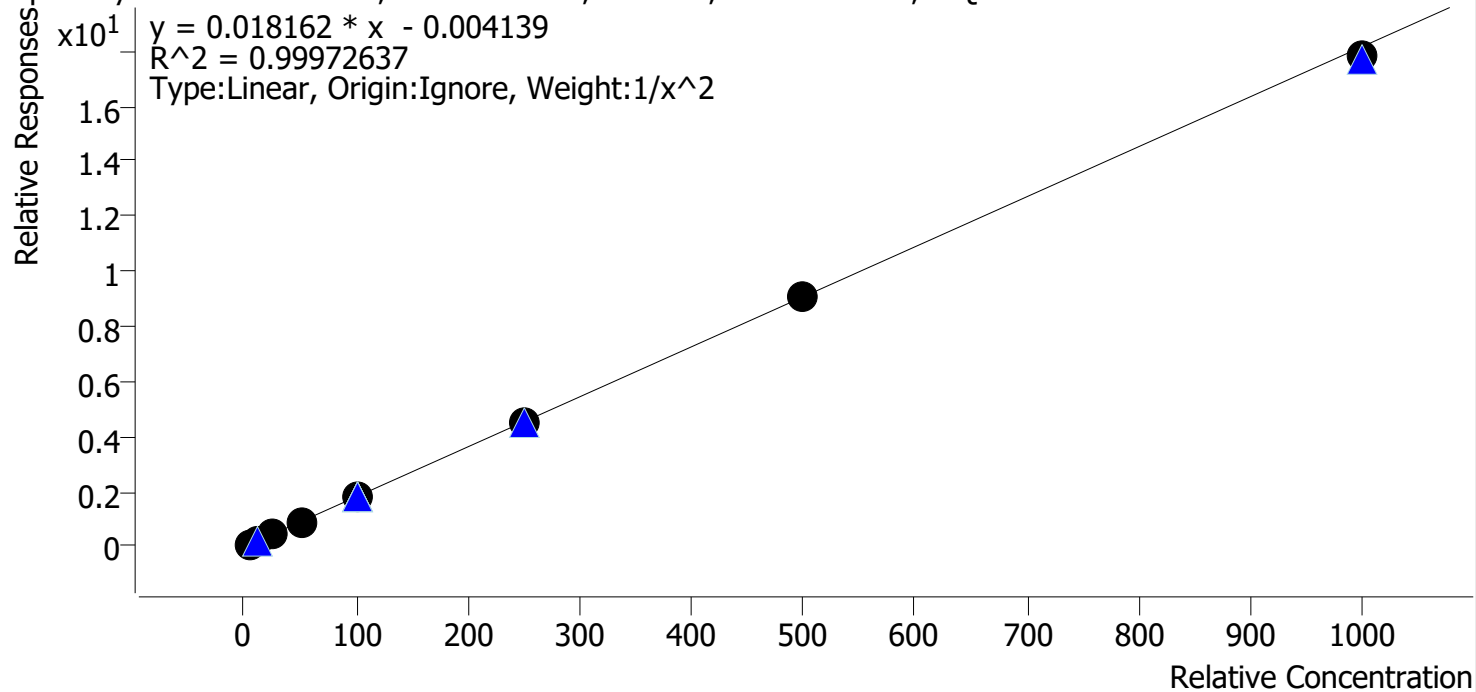
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.6
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	244.3	97.7
p1 Cal 7-500ng	7	✓	500.0	465.9	93.2
p1 Cal 8-1000ng	8	✓	1000.0	899.9	90.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



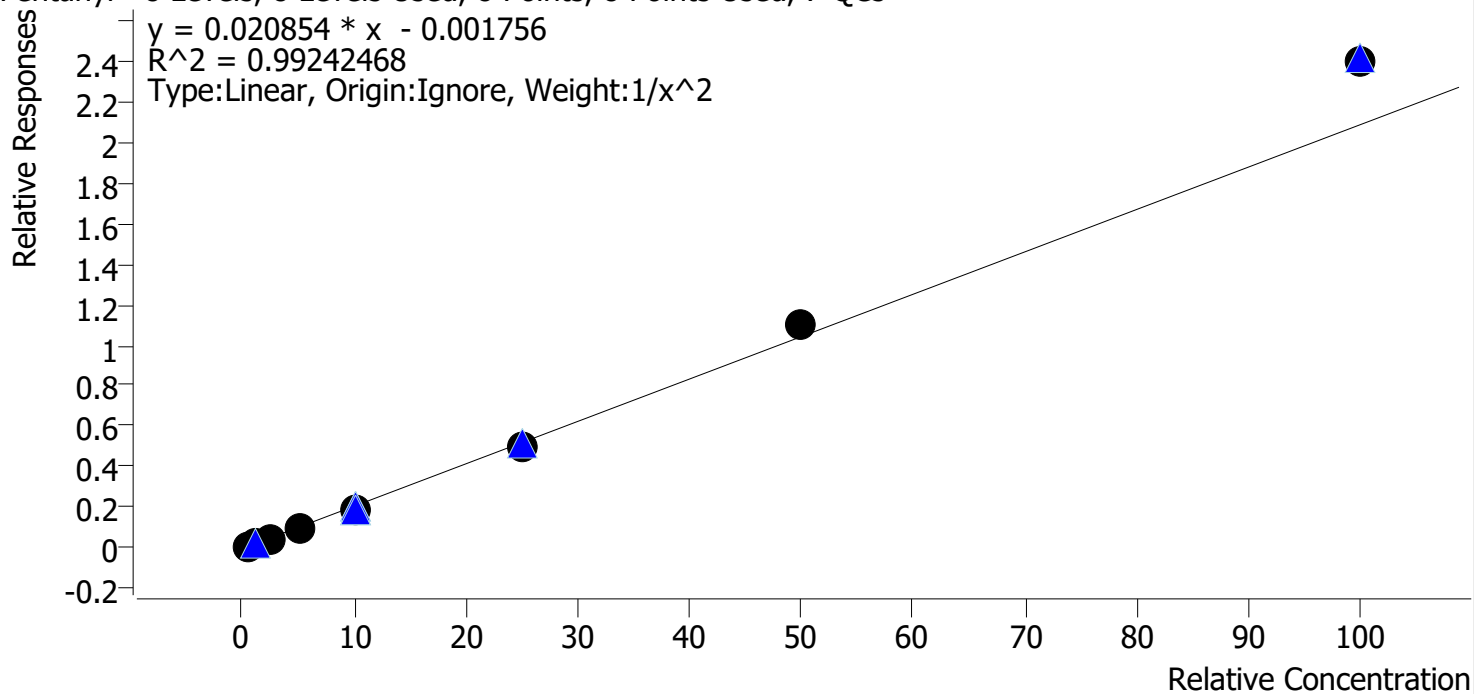
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	502.3	100.5
p1 Cal 8-1000ng	8	✓	1000.0	980.9	98.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



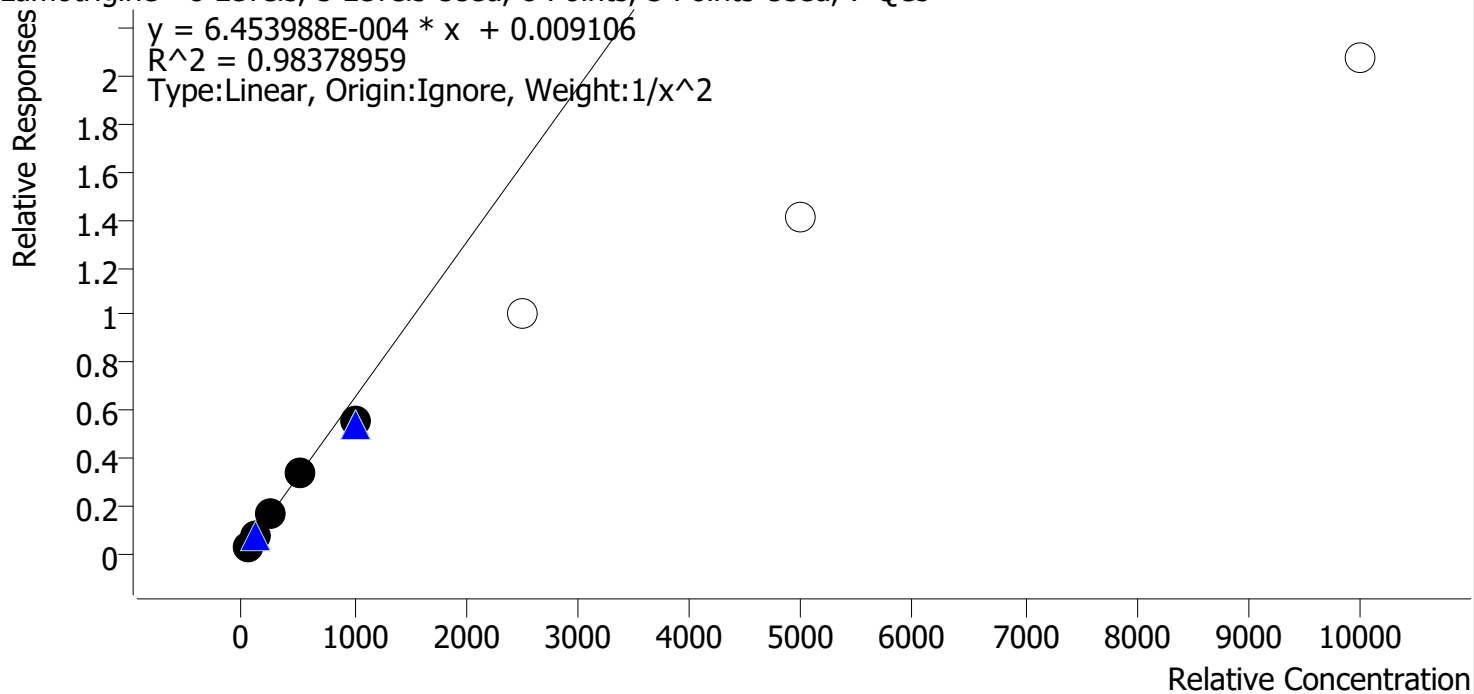
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.3
p1 Cal 2-10ng	2	✓	1.0	1.0	97.6
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.7
p1 Cal 4-50ng	4	✓	5.0	4.7	94.5
p1 Cal 5-100ng	5	✓	10.0	9.3	93.3
p1 Cal 6-250ng	6	✓	25.0	24.2	96.7
p1 Cal 7-500ng	7	✓	50.0	53.0	105.9
p1 Cal 8-1000ng	8	✓	100.0	115.0	115.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Pseudoephedrine-D3

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



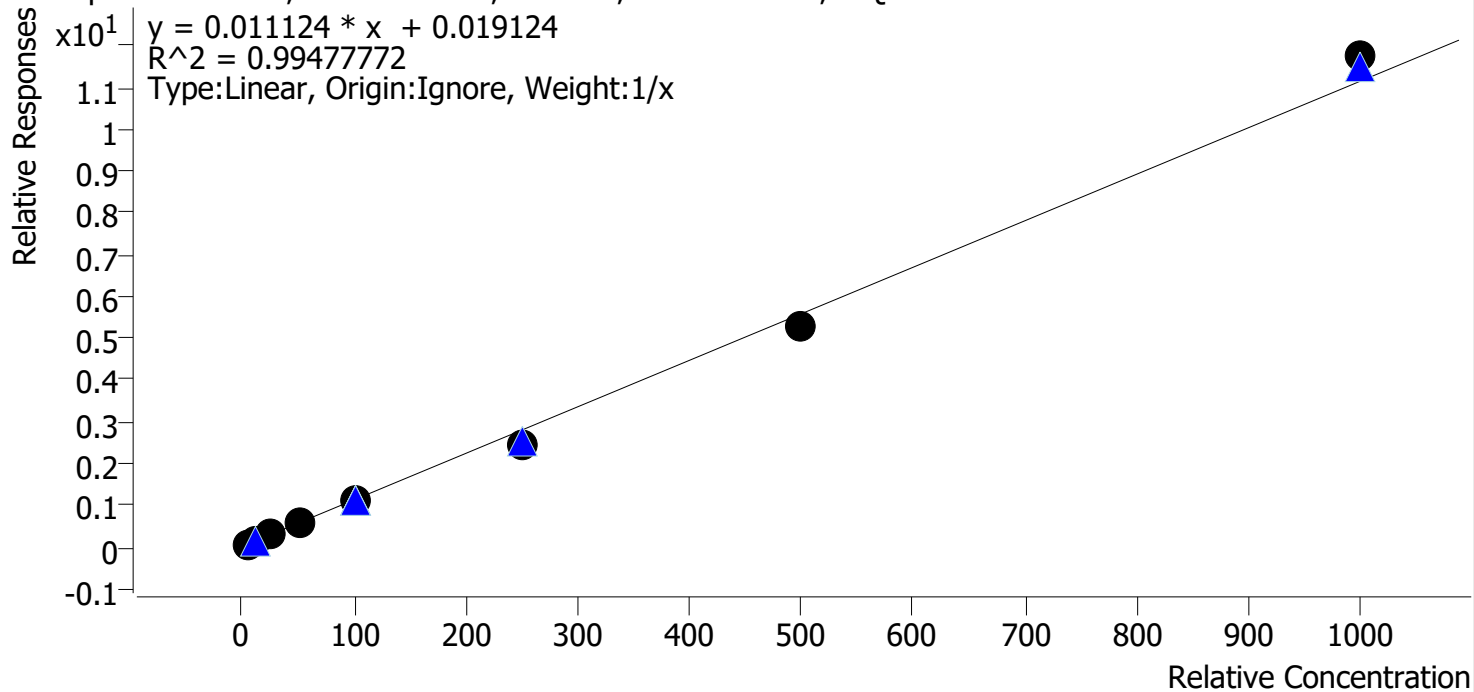
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	50.0	47.0	93.9
p1 Cal 2-10ng	2	✓	100.0	110.0	110.0
p1 Cal 3 -25ng	3	✓	250.0	268.9	107.6
p1 Cal 4-50ng	4	✓	500.0	511.5	102.3
p1 Cal 5-100ng	5	✓	1000.0	861.8	86.2
p1 Cal 6-250ng	6	✗	2500.0	1547.3	61.9
p1 Cal 7-500ng	7	✗	5000.0	2165.7	43.3
p1 Cal 8-1000ng	8	✗	10000.0	3190.0	31.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

Lorazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



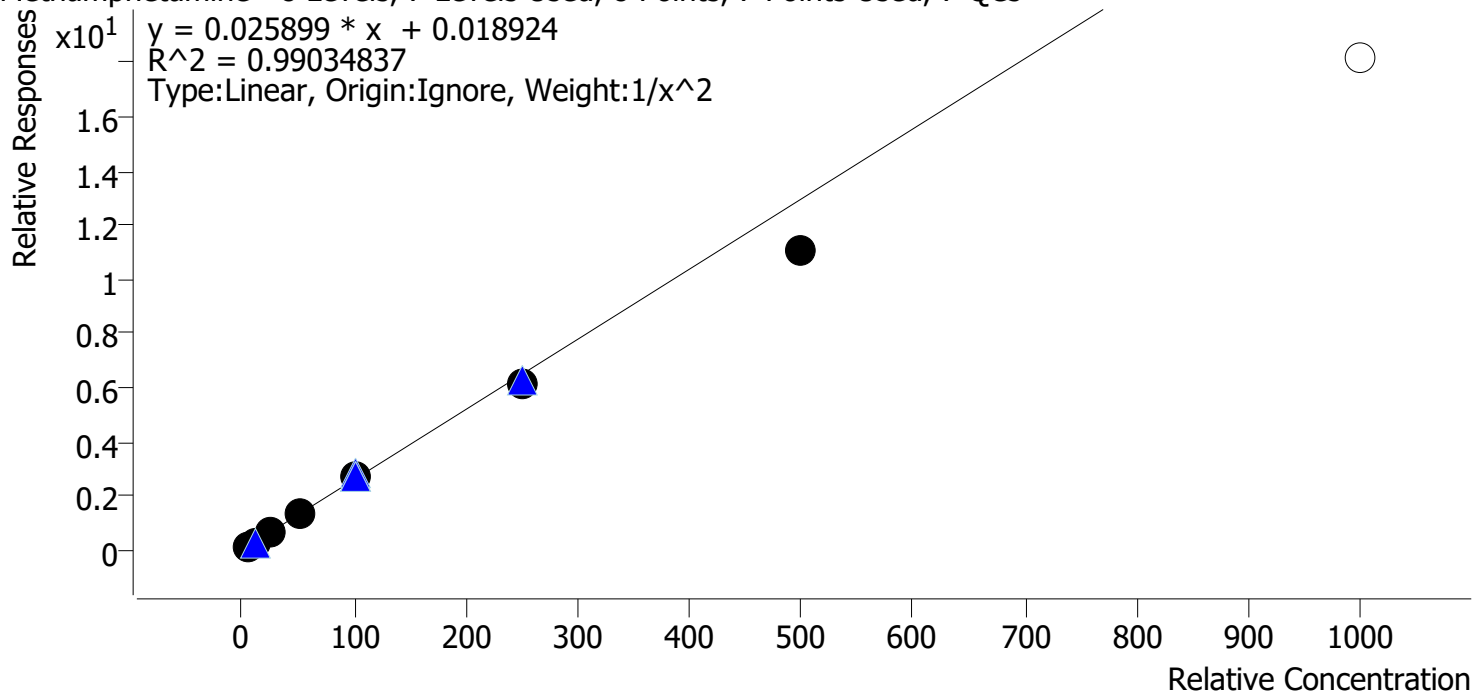
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.2	83.6
p1 Cal 2-10ng	2	✓	10.0	10.7	107.3
p1 Cal 3 -25ng	3	✓	25.0	29.0	115.9
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	220.4	88.2
p1 Cal 7-500ng	7	✓	500.0	469.5	93.9
p1 Cal 8-1000ng	8	✓	1000.0	1053.7	105.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

Methamphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 7 QCs



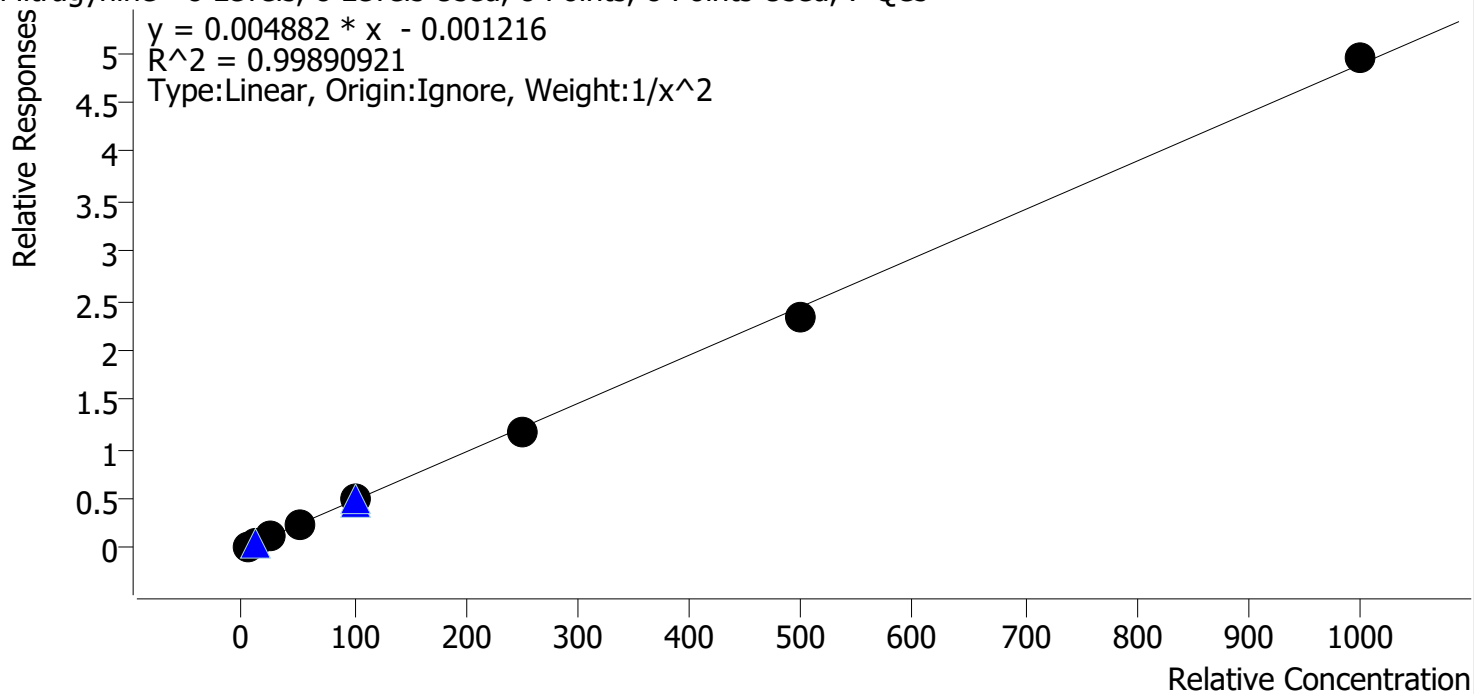
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	53.8	107.7
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	238.6	95.4
p1 Cal 7-500ng	7	✓	500.0	426.1	85.2
p1 Cal 8-1000ng	8	✗	1000.0	700.6	70.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

Mitragynine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



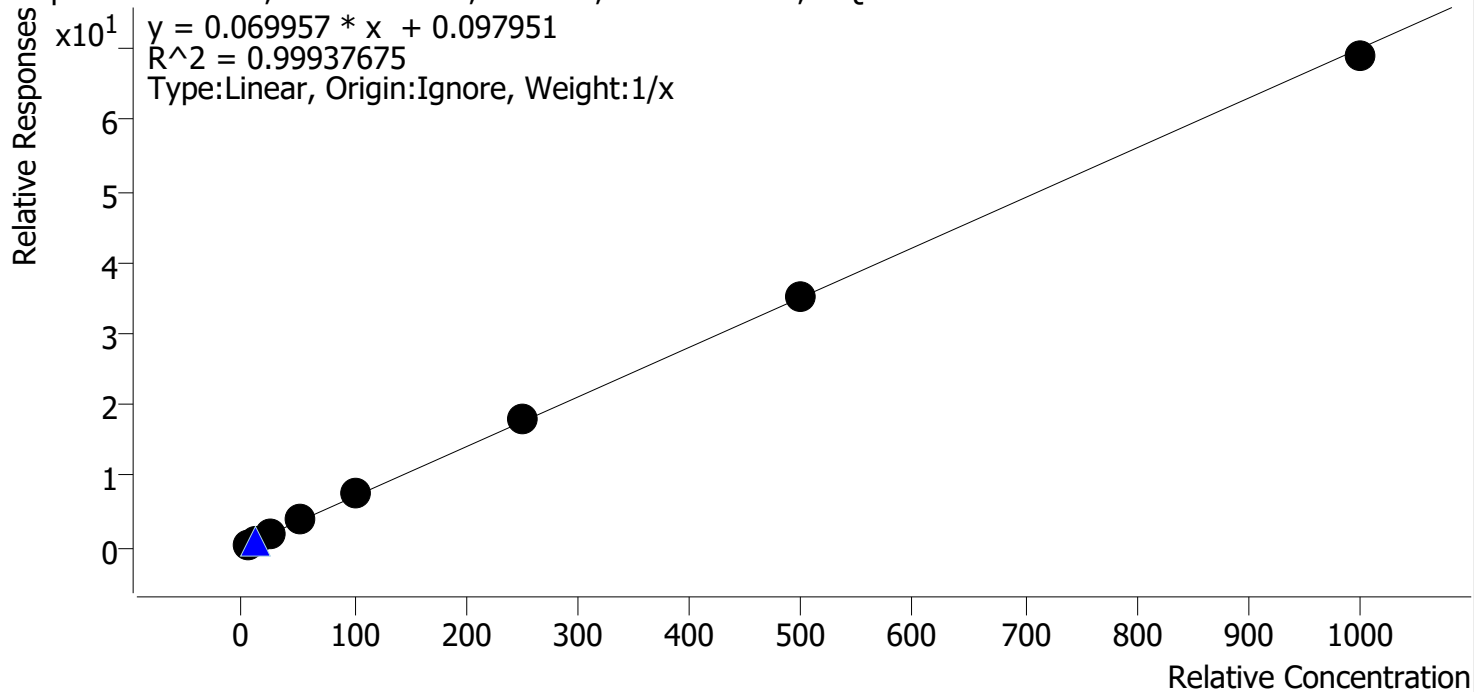
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	240.2	96.1
p1 Cal 7-500ng	7	✓	500.0	479.8	96.0
p1 Cal 8-1000ng	8	✓	1000.0	1012.6	101.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



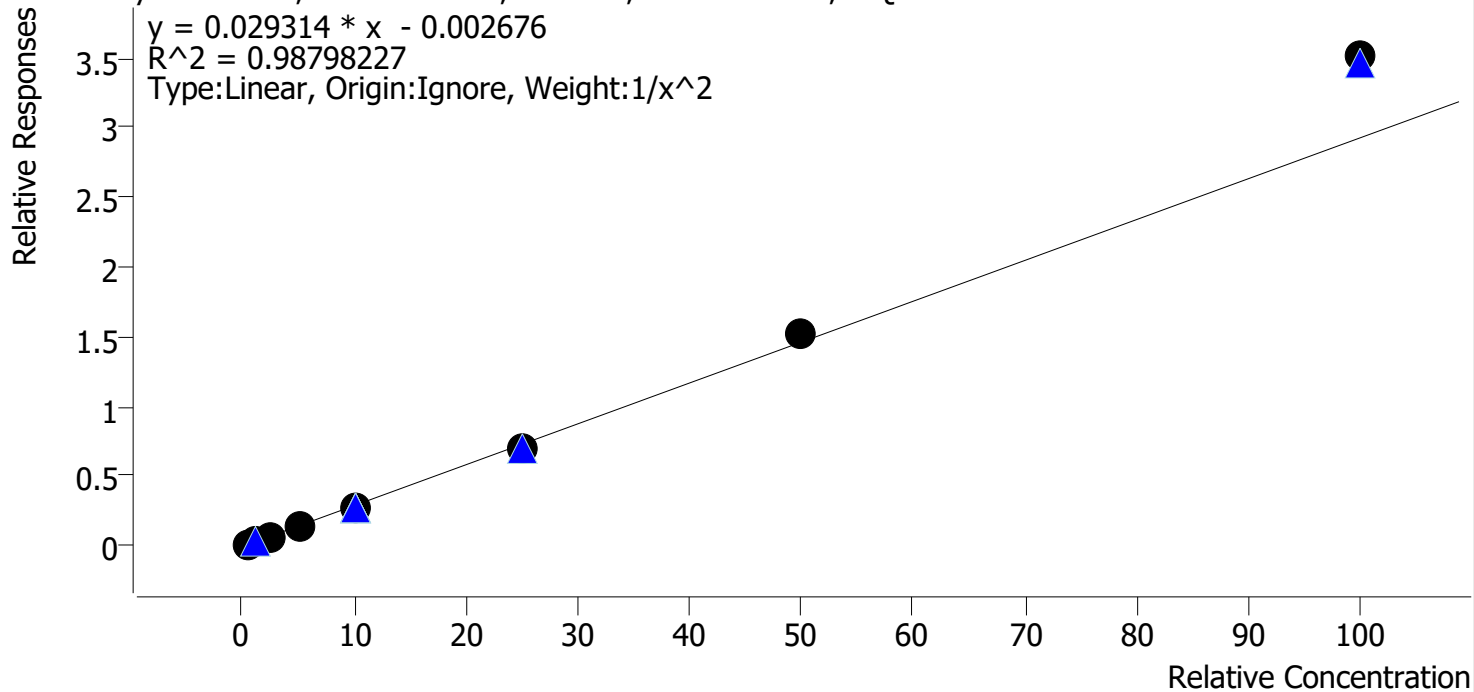
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.2	83.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	255.6	102.2
p1 Cal 7-500ng	7	✓	500.0	501.1	100.2
p1 Cal 8-1000ng	8	✓	1000.0	984.2	98.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



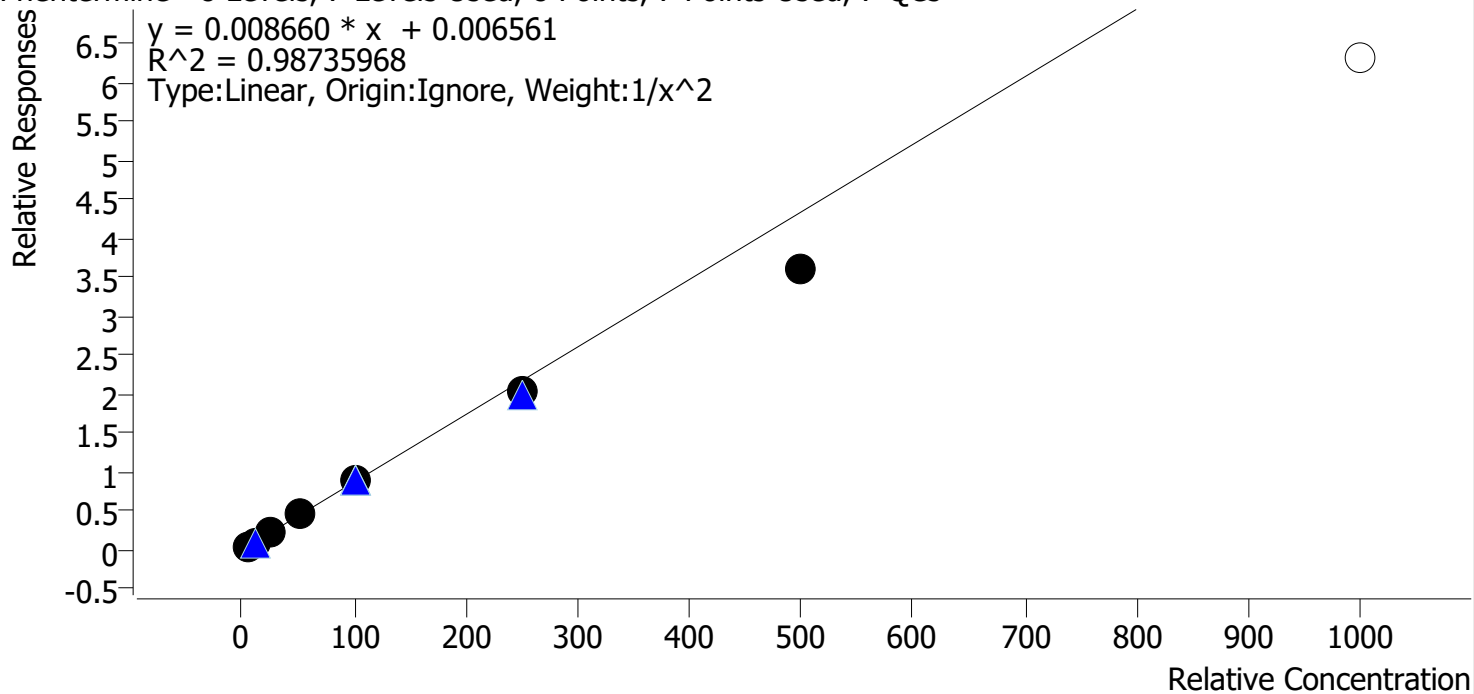
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.0
p1 Cal 2-10ng	2	✓	1.0	1.0	101.6
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.6
p1 Cal 4-50ng	4	✓	5.0	4.6	92.5
p1 Cal 5-100ng	5	✓	10.0	9.1	91.3
p1 Cal 6-250ng	6	✓	25.0	24.1	96.4
p1 Cal 7-500ng	7	✓	50.0	52.3	104.6
p1 Cal 8-1000ng	8	✓	100.0	120.0	120.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

Phentermine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 7 QCs



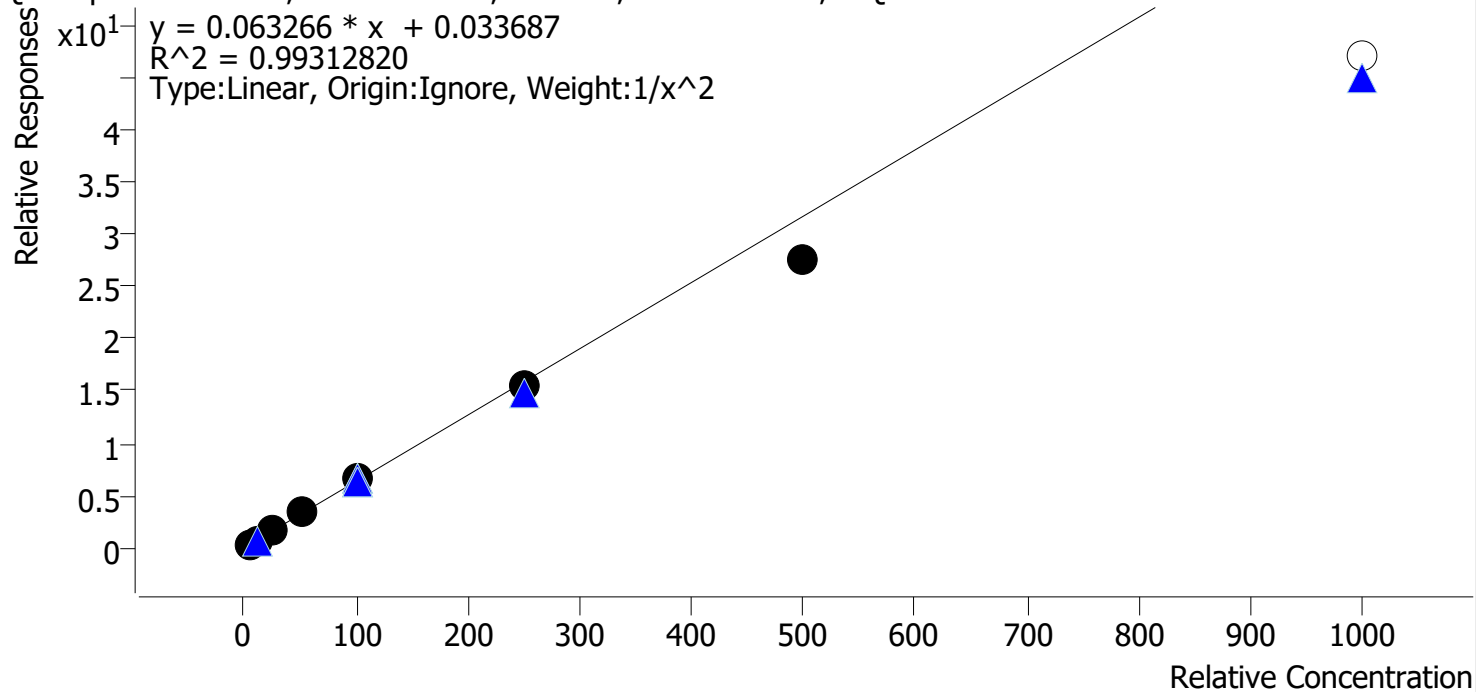
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.7
p1 Cal 2-10ng	2	✓	10.0	10.6	105.5
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.6
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	235.9	94.3
p1 Cal 7-500ng	7	✓	500.0	416.3	83.3
p1 Cal 8-1000ng	8	✗	1000.0	727.4	72.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

Quetiapine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 7 QCs



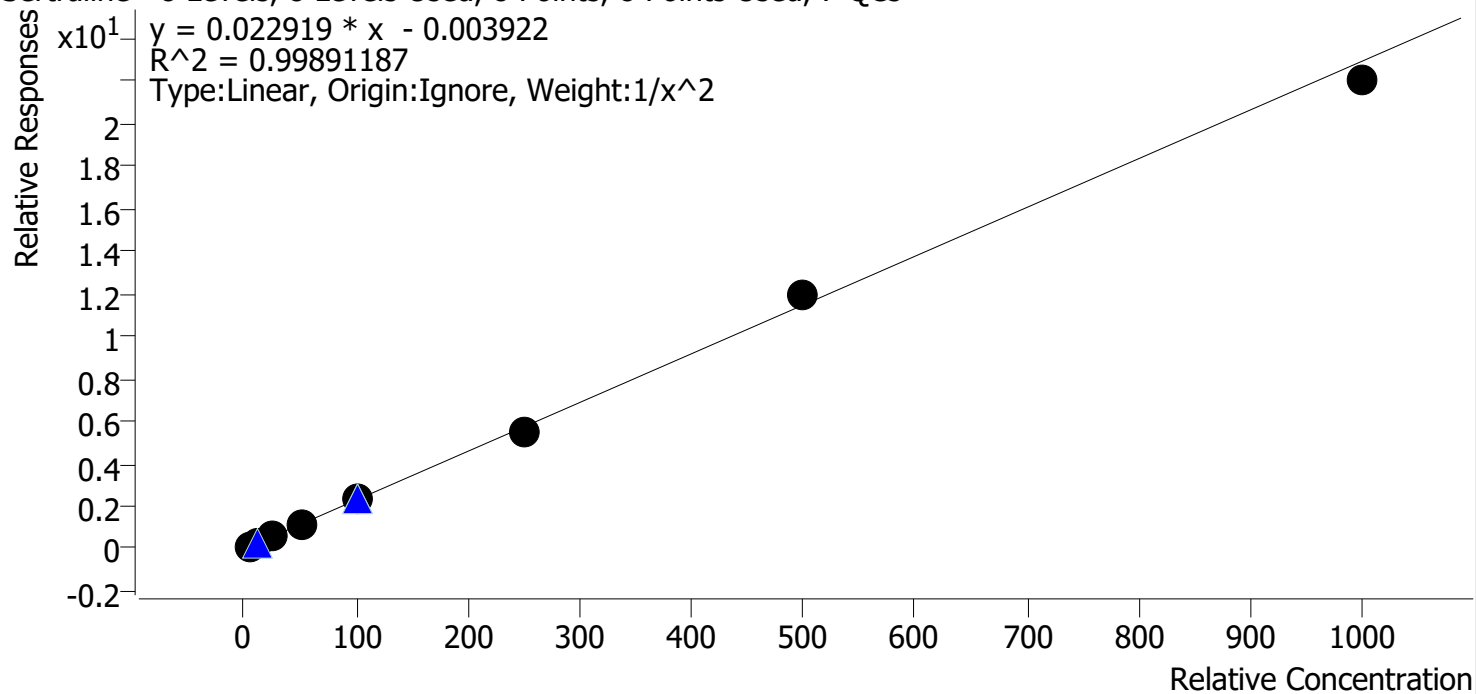
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.5	105.2
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.4
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	244.6	97.8
p1 Cal 7-500ng	7	✓	500.0	436.3	87.3
p1 Cal 8-1000ng	8	✗	1000.0	741.3	74.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

Sertraline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs

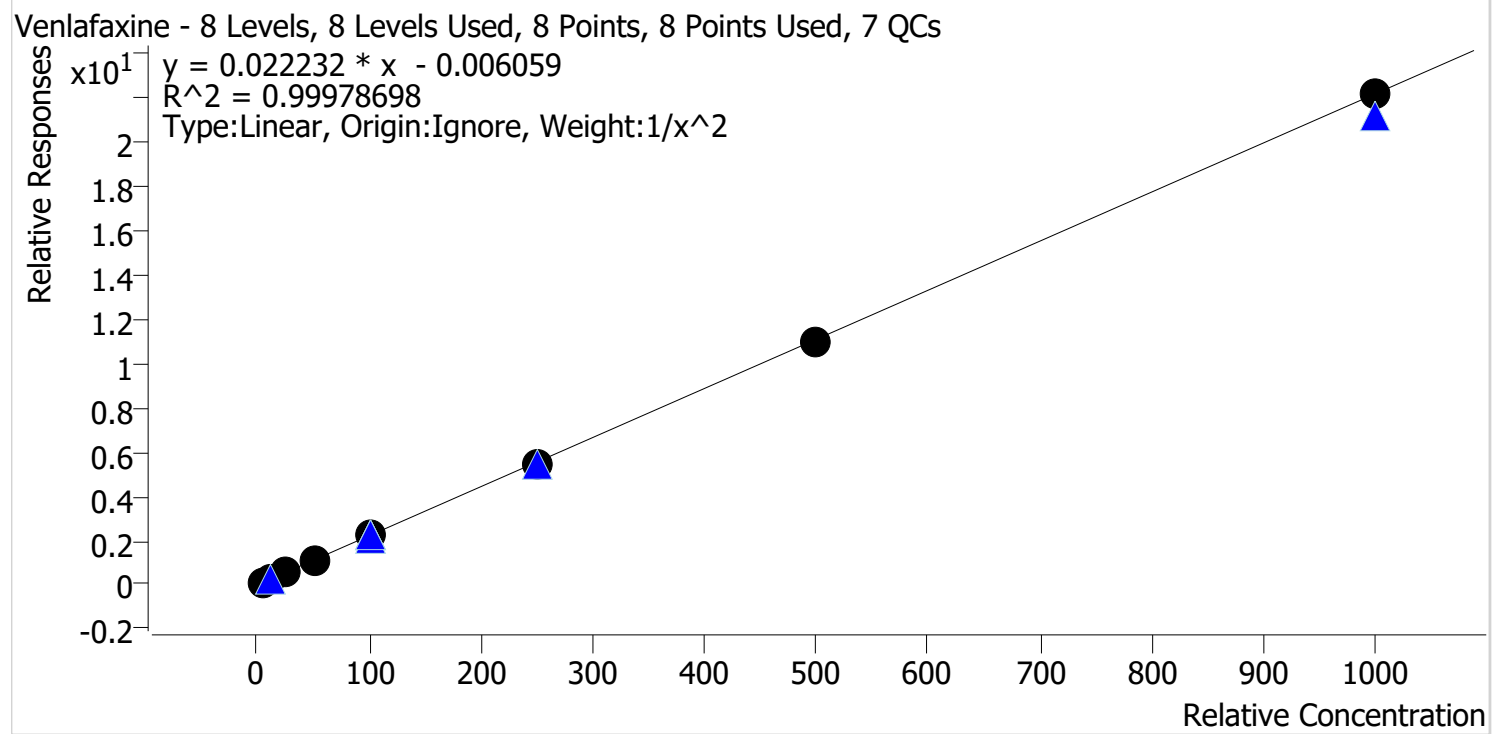


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	238.9	95.6
p1 Cal 7-500ng	7	✓	500.0	519.3	103.9
p1 Cal 8-1000ng	8	✓	1000.0	964.2	96.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



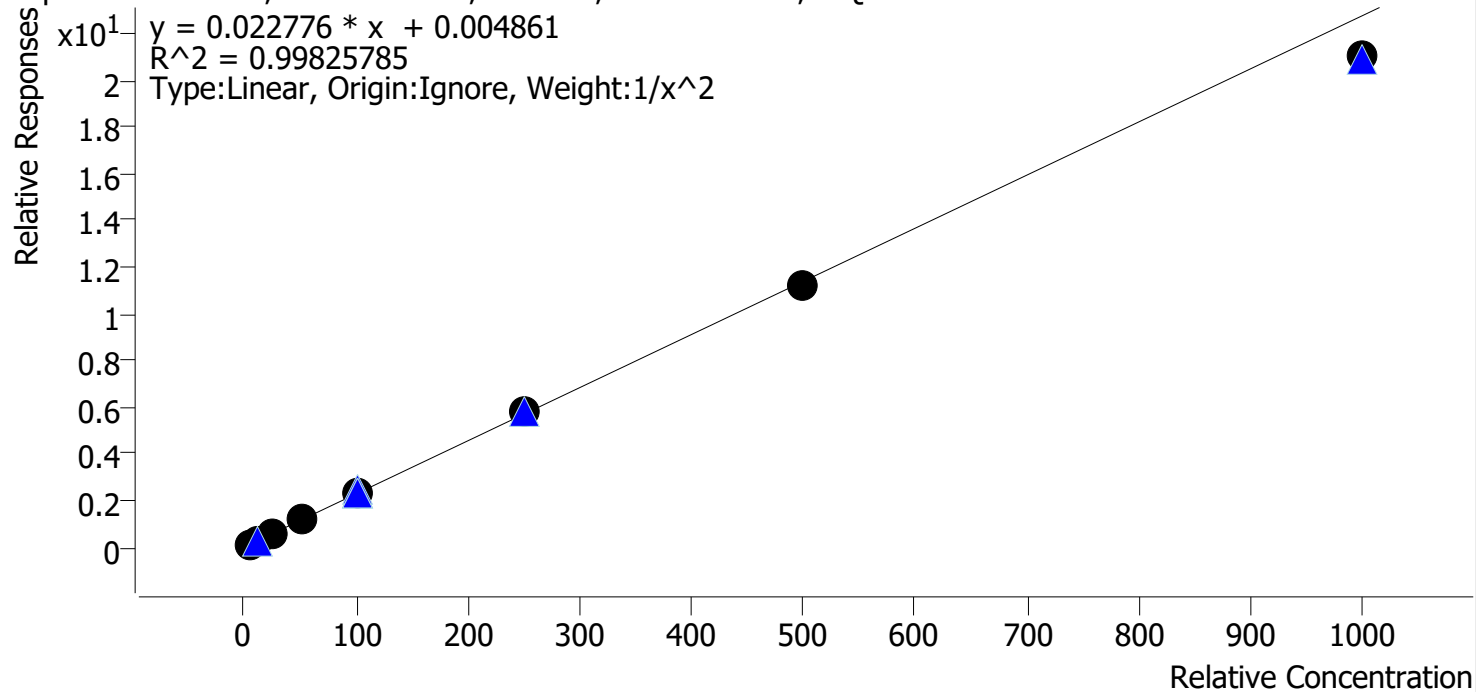
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	493.4	98.7
p1 Cal 8-1000ng	8	✓	1000.0	999.2	99.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28
 P1_cases.batch.bin
Last Cal. Update 3/25/2025 12:48 PM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 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	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	492.1	98.4
p1 Cal 8-1000ng	8	✓	1000.0	923.8	92.4



AM #28 Multi-Drug Quant. Results

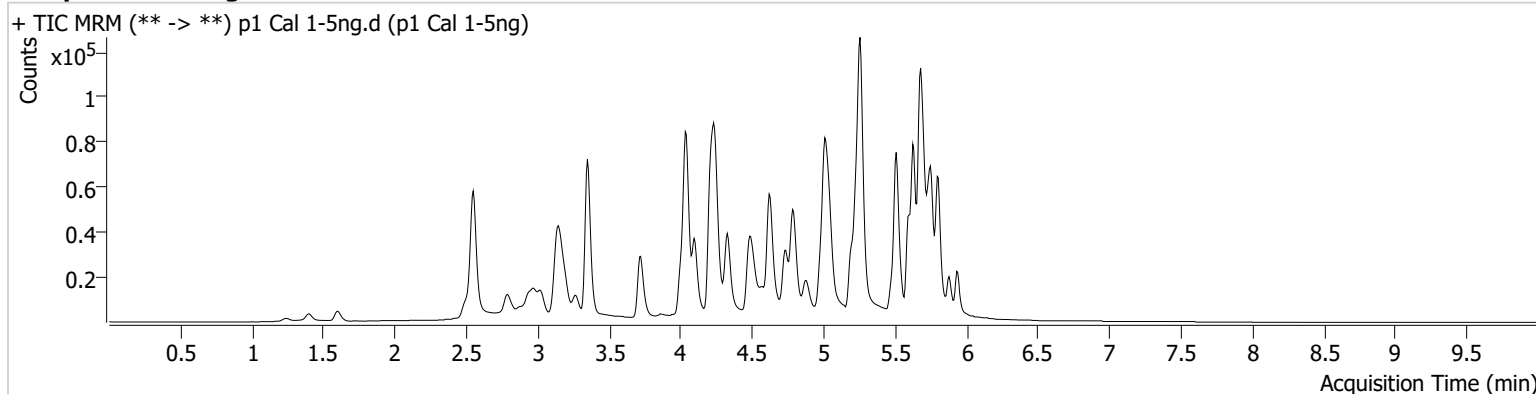
Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28 P1_cases.batch.bin
Calibration Last Update 3/25/2025 12:48:16 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-A1
Injection Volume 2
Acq. Date-Time 3/20/2025 7:56:49 PM
Sample Info.

Data File p1 Cal 1-5ng.d
Sample p1 Cal 1-5ng
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	3.123	147	92.24	72.4	72.71	7740	0.5033 ng/ml
7-aminoclonazepam	4.258	2932	4774.42	81.7	4645.89	22325	5.3828 ng/ml
a-hydroxyalprazolam	5.679	1312	146.75	64.1	110.19	9829	4.7802 ng/ml
Alprazolam	5.763	5339	325.49	112.6	119.83	39008	5.0355 ng/ml
Amphetamine	3.019	16443	83.74	44.2	1962.91	37446	4.6290 ng/ml
Benzoyllecgonine	3.883	266	103.18	29.6	84.04	1777	4.9874 ng/ml
Buprenorphine	5.643	212	218.91	16.9	49.53	14940	0.5074 ng/ml
Bupropion	4.752	9319	332550.29	62.5	114.52	64864	4.8709 ng/ml
Clonazepam	5.598	5554	10261.71	33.7	776.36	15314	4.7428 ng/ml
Cocaine	4.237	5680	5160.45	57.0	107.74	105114	4.9113 ng/ml
Codeine	2.555	717	53.34	107.3	1342.60	7818	4.8335 ng/ml
Diphenhydramine	5.265	20449	25737.44	32.8	191.44	239450	4.9300 ng/ml
Fentanyl	5.057	789	86.33	70.3	544.23	87566	0.5165 ng/ml
Fluorofentanyl	5.104	1682	320.61	45.4	241.94	839	0.4893 ng/ml
Hydroxyzine	5.671	10364	9694.77	59.8	2336.83	46335	4.9846 ng/ml
Lamotrigine	4.260	5993	5099.34	78.5	10104.96	152027	46.9649 ng/ml
Lorazepam	5.734	4187	155.89	53.4	307.17	63825	4.1785 ng/ml
Methamphetamine	3.195	12905	281.38	35.8	393.98	90869	4.7528 ng/ml
Mitragynine	5.185	2615	1716.05	37.1	732.59	112993	4.9886 ng/ml
Morphine	1.247	441	76.50	51.2	529.20	1130	4.1711 ng/ml
Norfentanyl	4.056	1425	1952.96	40.3	21.44	116079	0.5101 ng/ml
o-desmethylvenlafaxine	4.047	3414	87.84	275.8	399.38	32453	4.9619 ng/ml
Phentermine	3.758	3722	177.26	7.0	15.56	78274	4.7337 ng/ml
Quetiapine	5.493	10163	17152.23	55.1	10038.03	30269	4.7747 ng/ml
Sertraline	5.756	3856	467.24	104.3	1419.82	35255	4.9436 ng/ml
Venlafaxine	5.011	14759	1899.36	32.4	87.82	142467	4.9324 ng/ml
Zolpidem	4.805	13091	436.14	30.9	251.23	112517	4.8952 ng/ml



AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28 P1_cases.batch.bin
Calibration Last Update 3/25/2025 12:48:16 PM

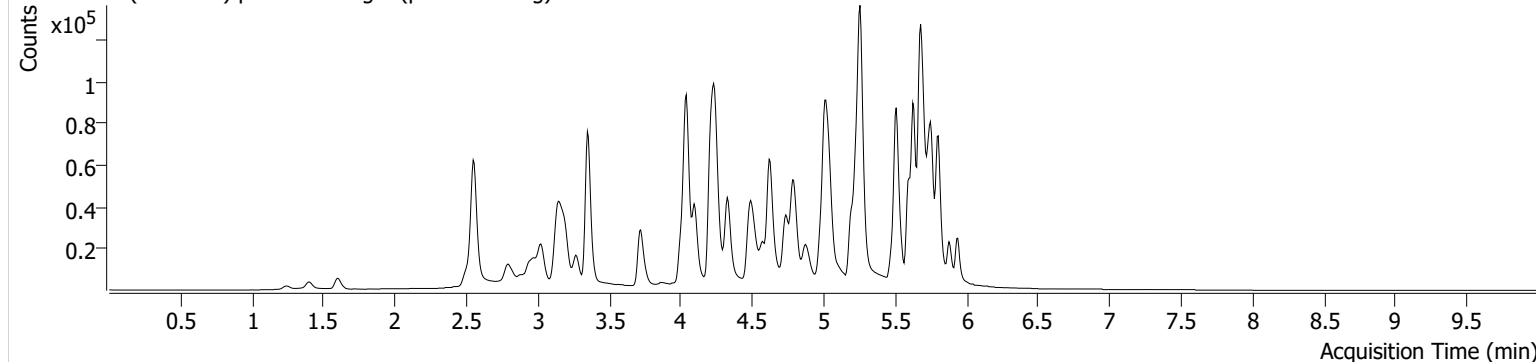
Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B1
Injection Volume 2
Acq. Date-Time 3/20/2025 8:07:37 PM
Sample Info.

Data File p1 Cal 2-10ng.d
Sample p1 Cal 2-10ng
Operator Tamara Salazar
Comment

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Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 2-10ng.d (p1 Cal 2-10ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	279	435.94	82.6	101.46	7609	0.9609 ng/ml
7-aminoclonazepam	4.258	5268	9527.45	81.1	5653.38	20683	10.3810 ng/ml
a-hydroxyalprazolam	5.686	2705	148.63	62.9	141.31	9227	10.7081 ng/ml
Alprazolam	5.763	10149	148.57	115.6	375.00	37943	9.7756 ng/ml
Amphetamine	3.026	33679	5393.96	43.8	9076.47	35807	11.0192 ng/ml
Benzoyllecgonine	3.889	480	175.13	30.3	33.84	1629	10.2807 ng/ml
Buprenorphine	5.643	454	241.05	12.4	99.48	15104	1.0100 ng/ml
Bupropion	4.752	18804	1195.54	62.5	105.16	62627	10.3417 ng/ml
Clonazepam	5.598	10622	357.19	36.8	47.90	14871	10.4033 ng/ml
Cocaine	4.237	11854	11983.82	56.2	105.59	102201	10.3780 ng/ml
Codeine	2.562	1382	1822.41	105.1	3272.62	7347	10.1483 ng/ml
Diphenhydramine	5.259	41794	285.18	32.2	318.85	229177	10.2689 ng/ml
Fentanyl	5.057	1623	1117.05	73.4	1723.34	87260	0.9759 ng/ml
Fluorofentanyl	5.111	3499	184.75	42.1	531.86	749	1.0739 ng/ml
Hydroxyzine	5.671	21369	22234.47	59.0	16804.39	45086	10.1743 ng/ml
Lamotrigine	4.260	11691	1407.74	80.8	7381.96	145906	110.0427 ng/ml
Lorazepam	5.734	8677	1383.32	53.6	116.63	62670	10.7275 ng/ml
Methamphetamine	3.202	25460	1139.21	35.0	410.97	86961	10.5737 ng/ml
Mitragynine	5.185	5293	4147.35	41.1	598.93	112044	9.9247 ng/ml
Morphine	1.247	845	6511.94	55.3	691.52	1051	10.0966 ng/ml
Norfentanyl	4.063	3035	368.98	36.1	225.84	112022	1.0156 ng/ml
o-desmethylenlafaxine	4.047	7174	598.79	273.8	7846.31	30963	10.3547 ng/ml
Phentermine	3.758	7545	223.93	6.5	72.32	77053	10.5504 ng/ml
Quetiapine	5.493	20793	18309.37	56.1	7230.58	29728	10.5233 ng/ml
Sertraline	5.756	7703	∞	103.2	208.69	33794	10.1170 ng/ml
Venlafaxine	5.011	30650	14204.61	31.4	196.48	138073	10.2573 ng/ml
Zolpidem	4.805	26025	20266.21	29.3	91.14	109126	10.2579 ng/ml



AM #28 Multi-Drug Quant. Results

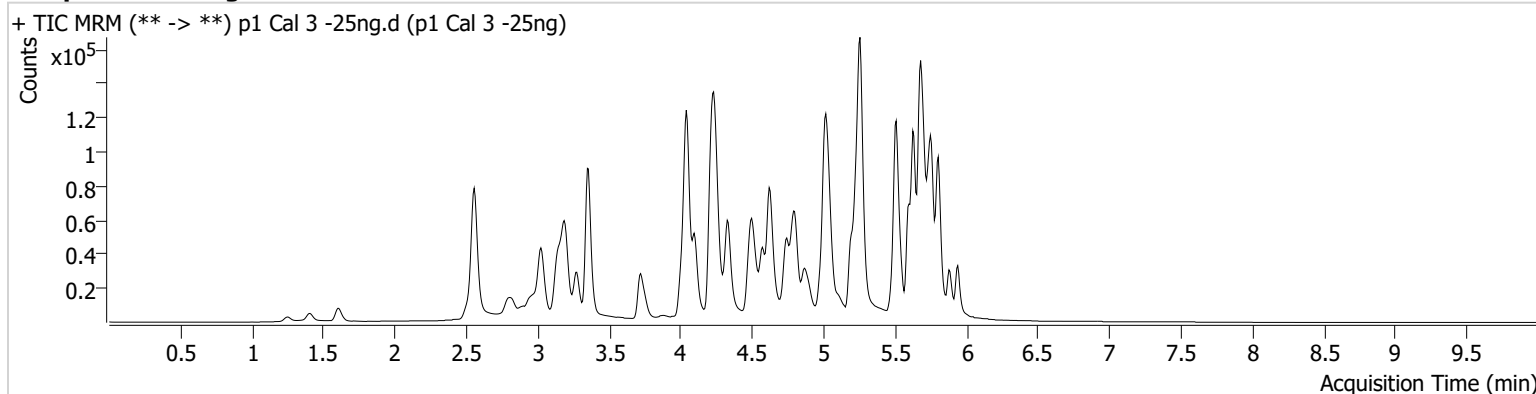
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Calibration Last Update 3/25/2025 12:48:16 PM

Instrument Falco (069901)
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Acq. Method AM 28 MDQ P1.m
Sample Position P2-C1
Injection Volume 2
Acq. Date-Time 3/20/2025 8:18:16 PM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	763	4068.11	67.2	450.26	7369	2.6895 ng/ml
7-aminoclonazepam	4.258	12136	86.87	80.1	10865.76	18284	26.9496 ng/ml
a-hydroxyalprazolam	5.679	6304	151.88	64.2	104.70	8910	26.0999 ng/ml
Alprazolam	5.763	25428	897.14	112.5	248.89	36150	25.5934 ng/ml
Amphetamine	3.026	78265	800.66	43.7	13573.67	34833	27.6654 ng/ml
Benzoyllecgonine	3.883	1027	954.89	40.0	37.15	1587	23.1154 ng/ml
Buprenorphine	5.643	1008	471.09	15.6	134.37	13666	2.3912 ng/ml
Bupropion	4.752	44370	360.47	63.0	∞	60413	25.5120 ng/ml
Clonazepam	5.598	25592	17790.21	34.9	366.50	14417	27.4856 ng/ml
Cocaine	4.237	27098	1389.75	57.5	5048.88	96600	24.8950 ng/ml
Codeine	2.562	3472	6607.52	104.3	4413.64	6993	27.1463 ng/ml
Diphenhydramine	5.259	97818	352.60	32.4	4397.87	217530	24.9871 ng/ml
Fentanyl	5.057	3864	600.14	71.3	3044.61	82080	2.3417 ng/ml
Fluorofentanyl	5.104	8445	1421.14	43.5	1284.00	794	2.3814 ng/ml
Hydroxyzine	5.671	49176	3508.93	57.6	5763.15	41761	24.7622 ng/ml
Lamotrigine	4.260	25772	457.13	82.2	17749.86	141107	268.8811 ng/ml
Lorazepam	5.734	19106	1130.53	50.9	88.04	55974	28.9649 ng/ml
Methamphetamine	3.202	60432	446.68	34.5	4298.27	85150	26.6727 ng/ml
Mitragynine	5.185	12723	1371.84	40.5	6136.09	104241	25.2483 ng/ml
Morphine	1.254	1991	1031.39	55.5	417.18	1056	25.5540 ng/ml
Norfentanyl	4.063	6970	12322.66	38.1	142.61	108175	2.2892 ng/ml
o-desmethylvenlafaxine	4.047	16839	2350.85	272.9	5366.07	30371	24.1130 ng/ml
Phentermine	3.758	17889	1616.23	6.3	229.78	74047	27.1409 ng/ml
Quetiapine	5.493	48507	10208.81	55.4	29392.80	28002	26.8480 ng/ml
Sertraline	5.756	17145	154.12	101.7	18030.91	29394	25.6210 ng/ml
Venlafaxine	5.011	72000	550.69	32.3	1238.78	130794	25.0330 ng/ml
Zolpidem	4.805	62154	1824.36	30.0	338.38	106022	25.5265 ng/ml



AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28 P1_cases.batch.bin
Calibration Last Update 3/25/2025 12:48:16 PM

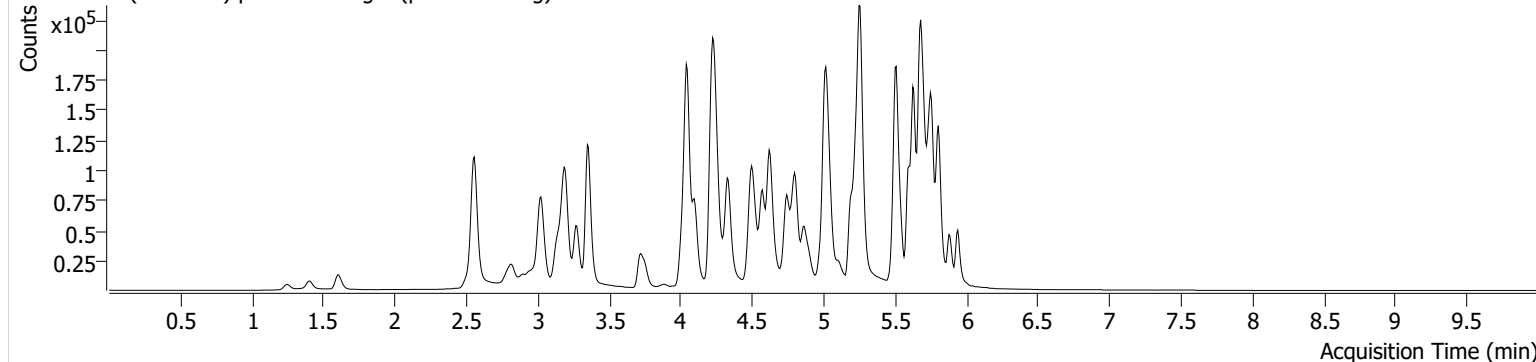
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Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D1
Injection Volume 2
Acq. Date-Time 3/20/2025 8:28:54 PM
Sample Info.

Data File p1 Cal 4-50ng.d
Sample p1 Cal 4-50ng
Operator Tamara Salazar
Comment

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Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 4-50ng.d (p1 Cal 4-50ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	1430	840.17	79.3	354.25	7568	4.8956 ng/ml
7-aminoclonazepam	4.258	19694	1240.67	80.0	11176.50	16626	48.0465 ng/ml
a-hydroxyalprazolam	5.679	11913	235.11	64.1	316.64	8742	50.4355 ng/ml
Alprazolam	5.763	49211	547.01	117.8	1489.56	36262	49.3132 ng/ml
Amphetamine	3.026	152899	26511.01	43.8	17141.00	35998	53.1581 ng/ml
Benzoyllecgonine	3.889	2291	109.82	37.4	1722.23	1589	52.0452 ng/ml
Buprenorphine	5.643	2064	2359.83	16.9	217.47	14443	4.5765 ng/ml
Bupropion	4.745	92398	778.07	64.1	10955.81	62611	51.4123 ng/ml
Clonazepam	5.598	48474	1940.55	34.6	9024.15	13666	56.0182 ng/ml
Cocaine	4.237	55154	201.69	56.7	44789.65	98201	49.7015 ng/ml
Codeine	2.562	6871	3141.40	102.7	23987.14	6962	54.1787 ng/ml
Diphenhydramine	5.259	206420	59282.21	32.0	13220.39	226032	50.5108 ng/ml
Fentanyl	5.057	8282	55.19	72.8	5550.51	85619	4.7228 ng/ml
Fluorofentanyl	5.104	17534	1547.74	46.1	2809.02	803	4.8378 ng/ml
Hydroxyzine	5.671	103357	16807.37	60.5	18589.77	44487	48.5187 ng/ml
Lamotrigine	4.260	47876	22123.42	81.3	2561.07	141143	511.4603 ng/ml
Lorazepam	5.734	31052	1489.00	53.3	1430.28	50682	53.3574 ng/ml
Methamphetamine	3.202	125361	494.37	35.3	5348.07	88713	53.8324 ng/ml
Mitragynine	5.185	27623	535.71	37.1	89.77	109658	51.8426 ng/ml
Morphine	1.247	4043	3766.02	55.7	615.54	1058	53.2327 ng/ml
Norfentanyl	4.063	14333	3013.93	37.8	712.42	107800	4.6270 ng/ml
o-desmethylenlafaxine	4.047	35145	1559.01	271.7	3001.45	31127	48.6066 ng/ml
Phentermine	3.758	36991	438.33	6.5	140.98	77172	54.5936 ng/ml
Quetiapine	5.493	100451	106737.34	56.5	61986.84	29989	52.4130 ng/ml
Sertraline	5.756	37457	30231.85	101.2	384.80	32582	50.3307 ng/ml
Venlafaxine	5.011	150489	642.92	32.4	1271.44	135408	50.2617 ng/ml
Zolpidem	4.805	130254	2786.76	29.6	4008.00	110467	51.5578 ng/ml



AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2025\AM 27 28\032025 AM 28 P1 P2 TS SC\QuantResults\AM 28 P1_cases.batch.bin
Calibration Last Update 3/25/2025 12:48:16 PM

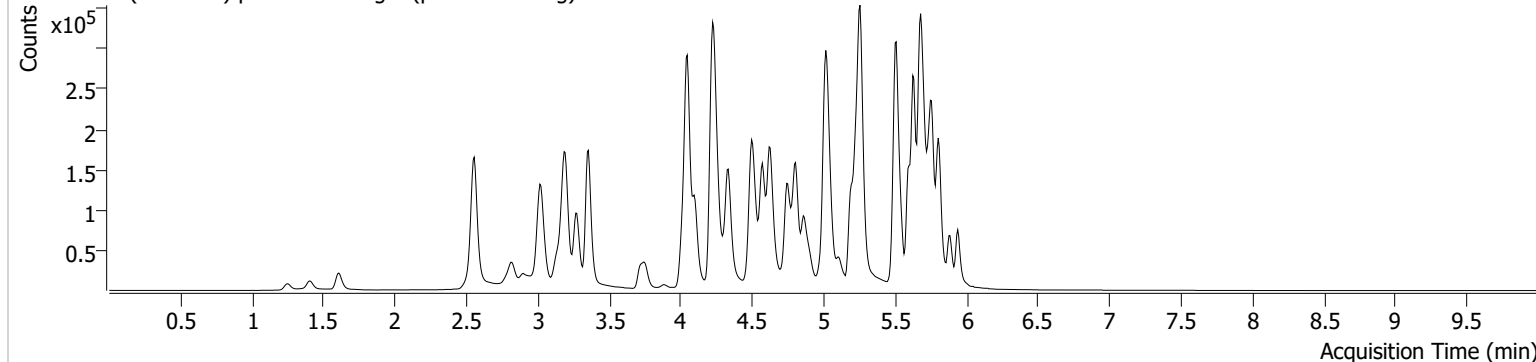
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Type Cal
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Sample Position P2-E1
Injection Volume 2
Acq. Date-Time 3/20/2025 8:39:31 PM
Sample Info.

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

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Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 5-100ng.d (p1 Cal 5-100ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	2947	4700.03	73.8	248.01	7525	10.1349 ng/ml
7-aminoclonazepam	4.265	28931	2310.73	80.6	11165.28	12616	92.9497 ng/ml
a-hydroxyalprazolam	5.679	18432	1635.64	68.0	207.96	6958	98.2100 ng/ml
Alprazolam	5.763	89794	1040.23	114.9	597.87	32487	100.3619 ng/ml
Amphetamine	3.026	273111	37271.11	43.3	11297.05	34994	98.4841 ng/ml
Benzoylcegonine	3.883	4537	13926.65	38.2	4043.71	1691	97.2358 ng/ml
Buprenorphine	5.643	4193	2344.80	16.4	560.74	14330	9.3058 ng/ml
Bupropion	4.752	183180	31421.13	63.5	20999.20	61067	104.6562 ng/ml
Clonazepam	5.598	75980	8780.35	36.0	21470.48	11516	105.1341 ng/ml
Cocaine	4.237	105826	453.27	55.8	22536.08	92682	100.8938 ng/ml
Codeine	2.562	12449	11928.55	99.8	35941.91	6583	104.0050 ng/ml
Diphenhydramine	5.259	396470	89489.95	32.6	230.53	219871	99.5119 ng/ml
Fentanyl	5.057	16333	733.76	70.5	9757.16	84676	9.3338 ng/ml
Fluorofentanyl	5.104	35940	7196.31	46.3	3249.47	854	9.2768 ng/ml
Hydroxyzine	5.671	202814	155827.84	62.8	63632.50	43078	97.9646 ng/ml
Lamotrigine	4.260	74695	105357.64	84.0	126579.10	132127	861.8299 ng/ml
Lorazepam	5.734	43498	1273.56	53.7	975.15	38767	99.1441 ng/ml
Methamphetamine	3.195	240643	30493.67	35.4	642.95	88551	104.1989 ng/ml
Mitragynine	5.185	54967	87178.35	40.1	26556.54	109561	103.0065 ng/ml
Morphine	1.247	7595	1240.80	55.9	1126.63	1010	106.0454 ng/ml
Norfentanyl	4.063	26338	1344.90	38.4	1226.13	99382	9.1318 ng/ml
o-desmethylvenlafaxine	4.047	65605	2638.89	272.3	5146.82	28316	99.2406 ng/ml
Phentermine	3.758	69219	2342.63	6.4	113.13	75956	104.4758 ng/ml
Quetiapine	5.493	191471	27451.31	58.7	188306.96	29525	101.9727 ng/ml
Sertraline	5.756	73183	393.79	99.1	180.23	31683	100.9553 ng/ml
Venlafaxine	5.011	294656	777.28	31.8	677.40	132466	100.3247 ng/ml
Zolpidem	4.805	257885	266927.59	29.7	191846.16	110829	101.9519 ng/ml



AM #28 Multi-Drug Quant. Results

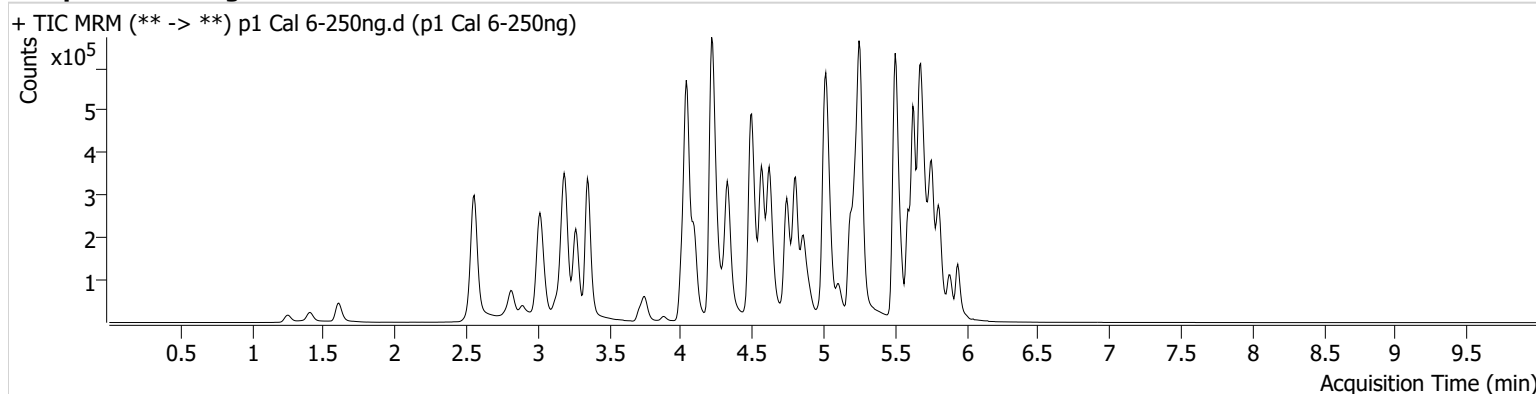
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Calibration Last Update 3/25/2025 12:48:16 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F1
Injection Volume 2
Acq. Date-Time 3/20/2025 8:50:08 PM
Sample Info.

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

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.116	7094	12056.30	71.7	5397.18	7630	24.0459 ng/ml
7-aminoclonazepam	4.265	43543	2518.51	79.3	692.23	7465	236.3267 ng/ml
a-hydroxyalprazolam	5.679	34170	144.59	65.7	817.25	5026	252.3240 ng/ml
Alprazolam	5.763	189322	438.46	116.1	471.63	26642	257.9238 ng/ml
Amphetamine	3.019	552024	67837.74	44.4	121854.10	34250	204.4145 ng/ml
Benzoylcegonine	3.883	12435	184314.53	38.1	2254.43	1712	264.0387 ng/ml
Buprenorphine	5.650	9105	400.65	15.1	1144.78	11662	24.7307 ng/ml
Bupropion	4.745	452857	1004.44	62.7	41764.91	62614	252.5472 ng/ml
Clonazepam	5.598	122283	30557.65	34.2	28970.65	8361	234.3951 ng/ml
Cocaine	4.230	237683	423.30	56.1	115011.19	84597	248.0547 ng/ml
Codeine	2.555	26536	627.30	97.4	245.63	5981	244.3340 ng/ml
Diphenhydramine	5.259	936097	74067.12	32.8	8186.85	206994	249.2288 ng/ml
Fentanyl	5.050	41500	11724.05	72.0	28112.56	82565	24.1862 ng/ml
Fluorofentanyl	5.104	96366	3130.27	43.5	13210.74	841	25.1483 ng/ml
Hydroxyzine	5.671	461005	149757.43	65.6	250868.49	38813	246.6201 ng/ml
Lamotrigine	4.253	122998	30235.35	84.4	4244.15	122051	1547.3430 ng/ml
Lorazepam	5.728	57805	10652.73	53.5	1053.54	23394	220.4026 ng/ml
Methamphetamine	3.195	576596	7657.20	35.5	5185.84	93030	238.5842 ng/ml
Mitragynine	5.178	120047	27403.54	41.0	20983.79	102473	240.1929 ng/ml
Morphine	1.254	17730	1102.42	56.4	279.81	986	255.6102 ng/ml
Norfentanyl	4.056	56515	73691.92	38.7	2643.62	80293	24.1021 ng/ml
o-desmethylvenlafaxine	4.041	145536	11580.53	274.9	81229.33	25166	246.9946 ng/ml
Phentermine	3.751	155284	735.69	6.1	2194.06	75784	235.8581 ng/ml
Quetiapine	5.486	454390	401652.11	58.5	277088.81	29304	244.5661 ng/ml
Sertraline	5.750	148611	259.59	100.1	198.95	27157	238.9428 ng/ml
Venlafaxine	5.011	707321	47990.57	31.8	448.02	128427	248.0023 ng/ml
Zolpidem	4.805	655025	1494.92	29.0	357213.05	113188	253.8771 ng/ml



AM #28 Multi-Drug Quant. Results

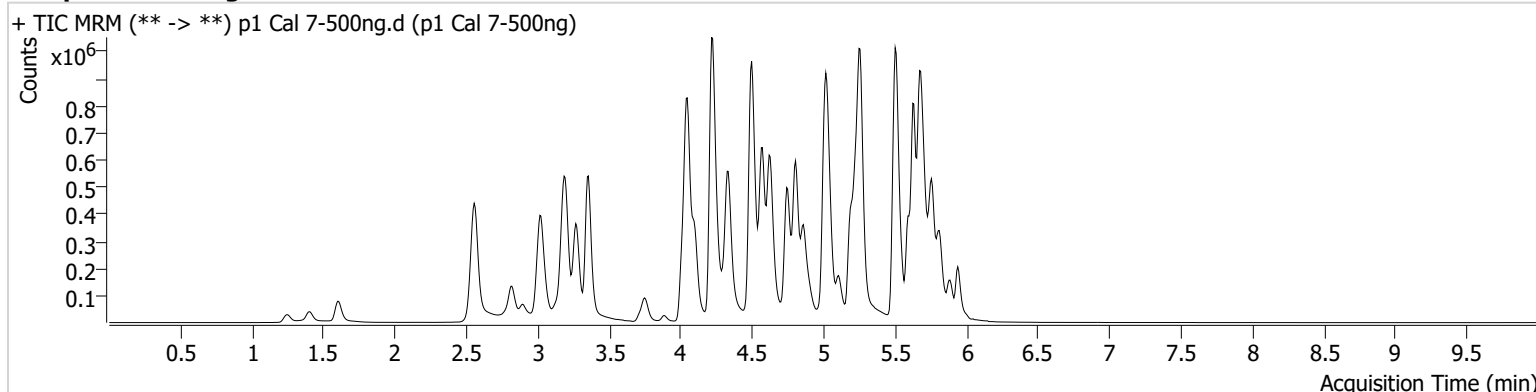
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Calibration Last Update 3/25/2025 12:48:16 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G1
Injection Volume 2
Acq. Date-Time 3/20/2025 9:00:46 PM
Sample Info.

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

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	13820	∞	72.0	183173.92	7061	50.6057 ng/ml
7-aminoclonazepam	4.272	48951	3440.29	78.5	31623.33	4391	451.6588 ng/ml
a-hydroxyalprazolam	5.679	42919	80.96	63.9	179.72	3218	495.2177 ng/ml
Alprazolam	5.763	297003	271.60	112.8	458.27	21239	507.4803 ng/ml
Amphetamine	3.026	846275	74480.52	44.7	60131.10	32053	335.4713 ng/ml
Benzoylecgonine	3.883	25498	1403.58	37.7	19334.28	1918	483.5105 ng/ml
Buprenorphine	5.650	15579	25042.86	16.1	1241.00	9622	51.2216 ng/ml
Bupropion	4.745	812945	1935.97	63.8	1049.68	58518	485.2320 ng/ml
Clonazepam	5.598	136994	14749.25	35.0	4075.21	5483	401.1934 ng/ml
Cocaine	4.237	381042	∞	57.3	520.02	66875	502.9028 ng/ml
Codeine	2.562	40951	1601.65	103.6	5559.96	4842	465.8982 ng/ml
Diphenhydramine	5.259	1607981	82421.70	32.4	880.60	176356	502.2572 ng/ml
Fentanyl	5.057	82725	26505.06	72.0	835.41	75026	52.9566 ng/ml
Fluorofentanyl	5.104	192374	18142.81	44.2	31985.66	823	51.2705 ng/ml
Hydroxyzine	5.671	813526	498173.39	67.4	440573.53	32336	521.9840 ng/ml
Lamotrigine	4.260	142894	27379.03	82.8	34208.83	101570	2165.7054 ng/ml
Lorazepam	5.728	67491	9429.53	51.2	1072.35	12874	469.5312 ng/ml
Methamphetamine	3.195	1012984	61541.47	35.7	1092.42	91638	426.0932 ng/ml
Mitragynine	5.178	216947	447367.77	40.8	8966.64	92664	479.7716 ng/ml
Morphine	1.247	32166	2572.99	55.2	448.68	915	501.1174 ng/ml
Norfentanyl	4.063	85594	7225.24	39.0	7012.69	55909	52.3168 ng/ml
o-desmethylvenlafaxine	4.047	232091	4422.32	272.5	95493.73	19382	510.9225 ng/ml
Phentermine	3.751	262533	∞	5.5	7267.67	72697	416.2652 ng/ml
Quetiapine	5.486	760598	590796.74	59.2	412941.47	27523	436.2749 ng/ml
Sertraline	5.750	226154	230.17	103.8	397.80	19008	519.3001 ng/ml
Venlafaxine	5.011	1244694	128787.53	32.2	9965.28	113535	493.3910 ng/ml
Zolpidem	4.805	1213191	598917.82	28.9	4455.11	108202	492.0829 ng/ml



AM #28 Multi-Drug Quant. Results

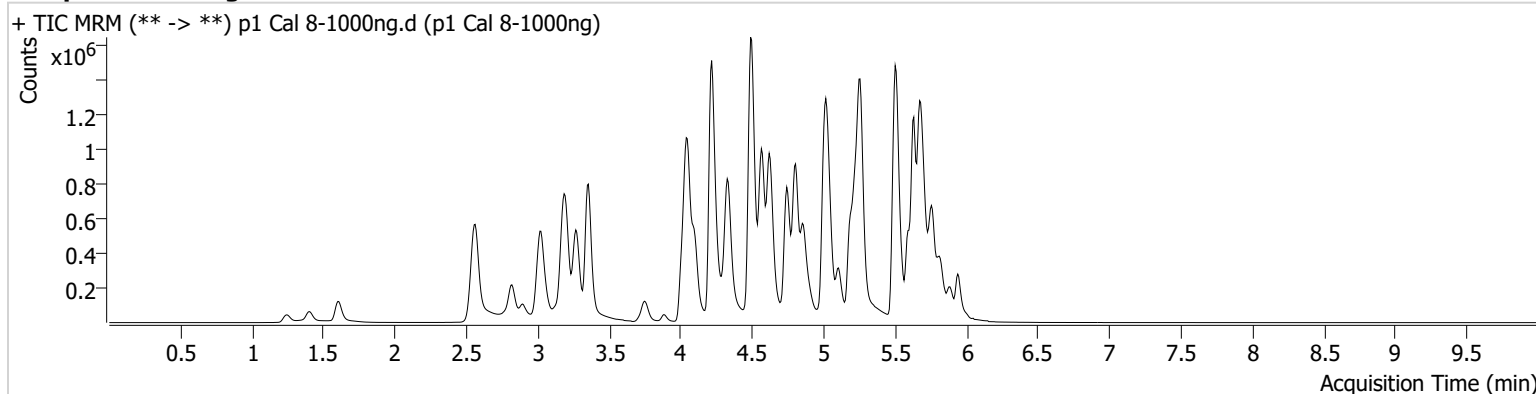
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Calibration Last Update 3/25/2025 12:48:16 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-H1
Injection Volume 2
Acq. Date-Time 3/20/2025 9:11:23 PM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.123	22756	27482.83	73.2	18564.47	5941	99.0262 ng/ml
7-aminoclonazepam	4.265	53435	4408.98	79.1	1076.88	2026	1068.3049 ng/ml
a-hydroxyalprazolam	5.679	43382	148.16	66.2	213.22	1716	938.6176 ng/ml
Alprazolam	5.763	402024	303.07	111.7	239.82	15275	955.0600 ng/ml
Amphetamine	3.026	1145249	89783.61	44.5	66116.63	27655	526.7445 ng/ml
Benzoylcegonine	3.883	47628	10608.63	37.2	36975.58	1711	1013.4038 ng/ml
Buprenorphine	5.650	22003	7527.15	16.0	5063.74	6001	115.9146 ng/ml
Bupropion	4.745	1328306	129401.30	62.7	86775.71	50673	915.7096 ng/ml
Clonazepam	5.591	128508	8920.50	35.0	3433.42	3171	651.5422 ng/ml
Cocaine	4.230	539664	49197.21	56.9	356.50	48442	983.1326 ng/ml
Codeine	2.562	61088	219.22	99.4	12033.39	3741	899.8727 ng/ml
Diphenhydramine	5.259	2416855	147808.62	33.5	2214.50	135699	980.8714 ng/ml
Fentanyl	5.057	148196	20182.75	71.0	90816.13	61838	115.0022 ng/ml
Fluorofentanyl	5.104	360531	56098.44	44.8	108712.83	740	106.8267 ng/ml
Hydroxyzine	5.671	1205999	133532.11	71.2	766030.05	24652	1014.6891 ng/ml
Lamotrigine	4.260	153473	23600.82	83.0	32772.78	74216	3189.9774 ng/ml
Lorazepam	5.728	74589	38425.55	53.0	5304.49	6353	1053.6937 ng/ml
Methamphetamine	3.195	1539263	106579.13	35.9	6919.95	84749	700.5597 ng/ml
Mitragynine	5.178	357071	169497.84	39.8	182859.82	72239	1012.6496 ng/ml
Morphine	1.247	51586	779.25	54.0	1958.29	748	984.1726 ng/ml
Norfentanyl	4.063	108614	26757.82	38.7	1255.16	30910	119.9612 ng/ml
o-desmethylenlafaxine	4.047	313017	8151.34	268.1	100647.39	12919	1033.2665 ng/ml
Phentermine	3.751	394083	2063.26	5.8	2018.54	62497	727.3957 ng/ml
Quetiapine	5.486	1122224	123627.68	58.7	141251.82	23910	741.3348 ng/ml
Sertraline	5.750	301141	168.49	98.3	151.78	13630	964.1994 ng/ml
Venlafaxine	5.011	1965077	130436.10	32.8	26299.06	88484	999.1982 ng/ml
Zolpidem	4.805	1984662	470053.61	29.0	63056.13	94309	923.7691 ng/ml