



Worklist: 6658

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-4659	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
M2023-4769	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
M2023-5170	4	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2023-3501	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2023-3503	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2023-3516	3	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2023-3629	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2023-3680	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2023-3830	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2023-4026	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2024-0015	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	

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

Extraction Date: 01/19/2024

Plate lot#: 230707

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

Blank Blood Lot: Lampire 23E52981

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 01/07/2024- external control used

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

Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Blank Urine Lot: POC021022

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. 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** into the appropriate wells of the analytical (standards) plate. **Pipette ID: 42**
- 4. Pipette **250µL of 0.5 M 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 or urine+base (if applicable)** mixture to corresponding wells of SLE+ plate. Amount transferred: 300µl
- 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). Manifold ID: 067104**
- 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.
- 16. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
- 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? See comments
- 6. Central File Packet to include: Method Checklist, Calibration and Control Reports.

COMMENTS:

Curve limits:

Amphetamine 5-500 --calibrator 8 dropped due to accuracy
Clonazepam 5-500 --calibrator 8 dropped due to accuracy
Clonazolam 5-250 --calibrators 7 and 8 dropped due to accuracy
Codeine 5-500 --calibrator 8 dropped due to accuracy

Dihydrocodeine 5-500 --calibrator 8 dropped due to accuracy
Etizolam 5-500 --calibrator 8 dropped due to accuracy
Fluorofentanyl 0.5-50 --calibrator 8 dropped due to accuracy
Hydroxyzine- 5-500 --calibrator 8 dropped due to accuracy
Ketamine 5-500 --calibrator 8 dropped due to accuracy
Lamotrigine 5-500 --calibrator 8 dropped due to accuracy
MDA 5-500 --calibrator 8 dropped due to accuracy
Meprobamate 5-250 --calibrators 7 and 8 dropped due to accuracy
Methamphetamine 5-500 --calibrator 8 dropped due to accuracy
Metoprolol 5-500 --calibrator 8 dropped due to accuracy
Norbuprenorphine 2.5-100 --calibrators 1 and 2 dropped due to qualifier peak shapes
Norfentanyl 0.5-50 --calibrator 8 dropped due to accuracy
Phentermine 5-500 --calibrator 8 dropped due to accuracy
Quetiapine 5-500 --calibrator 8 dropped due to accuracy

2

	1	2	3	4	5	6	7	8	9	10	11	12
A										P2023-3501-1	NEG Urine	IS + Cal. 8
B										P2023-3503-1	Blood External Ctrl.	IS + Cal. 7
C										P2023-3516-3	NEG Blood	IS + Cal. 6
D										P2023-3629-1	IS + QC_2	IS + Cal. 5
E										P2023-3680-1	IS + QC_4	IS + Cal. 4
F									M2023-4659-2	P2023-3830-1	IS + QC_3	IS + Cal. 3
G									M2023-4769-2	P2023-4026-1	IS + QC_2	IS + Cal. 2
H									M2023-5170-4	P2024-0015-1	IS + QC_1	IS + Cal. 1

2

	1	2	3	4	5	6	7	8	9	10	11	12
A					IS + Cal. 8	NEG Urine	P2023-3501-1	M2023-4659-2				
B					IS + Cal. 7	Blood External Ctrl.	P2023-3503-1	M2023-4769-2				
C					IS + Cal. 6	NEG Blood	P2023-3516-3	M2023-5170-4				
D					IS + Cal. 5	IS + QC_2	P2023-3629-1					
E					IS + Cal. 4	IS + QC_4	P2023-3680-1					
F					IS + Cal. 3	IS + QC_3	P2023-3830-1					
G					IS + Cal. 2	IS + QC_2	P2023-4026-1					
H					IS + Cal. 1	IS + QC_1	P2024-0015-1					

SLE Plate Map

AM #28 Multi-Drug Quant. Results



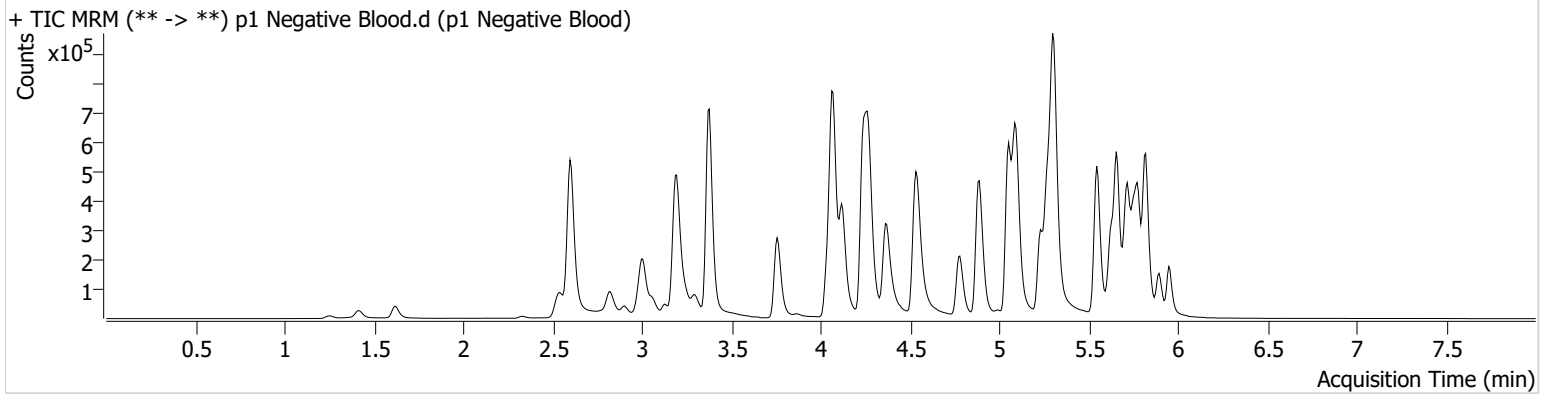
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Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C6
Injection Volume 2
Acq. Date-Time 1/20/2024 2:10:54 AM
Sample Info.

Data File p1 Negative Blood.d
Sample p1 Negative Blood
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



AM #28 Multi-Drug Quant. Results



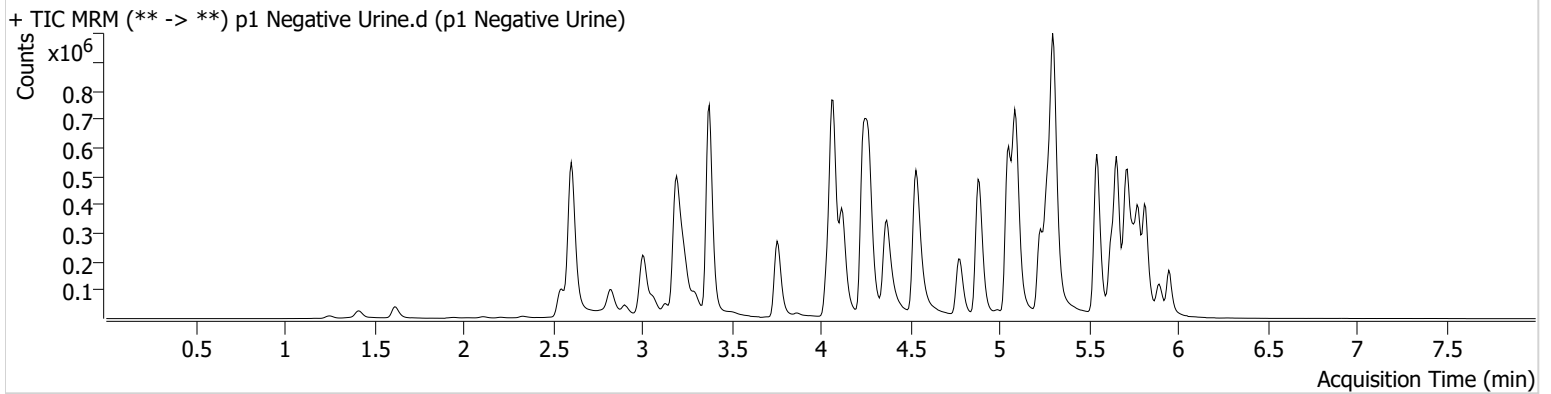
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Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-A6
Injection Volume 2
Acq. Date-Time 1/20/2024 2:32:11 AM
Sample Info.

Data File p1 Negative Urine.d
Sample p1 Negative Urine
Operator Celena Shrum
Comment

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Sample Chromatogram





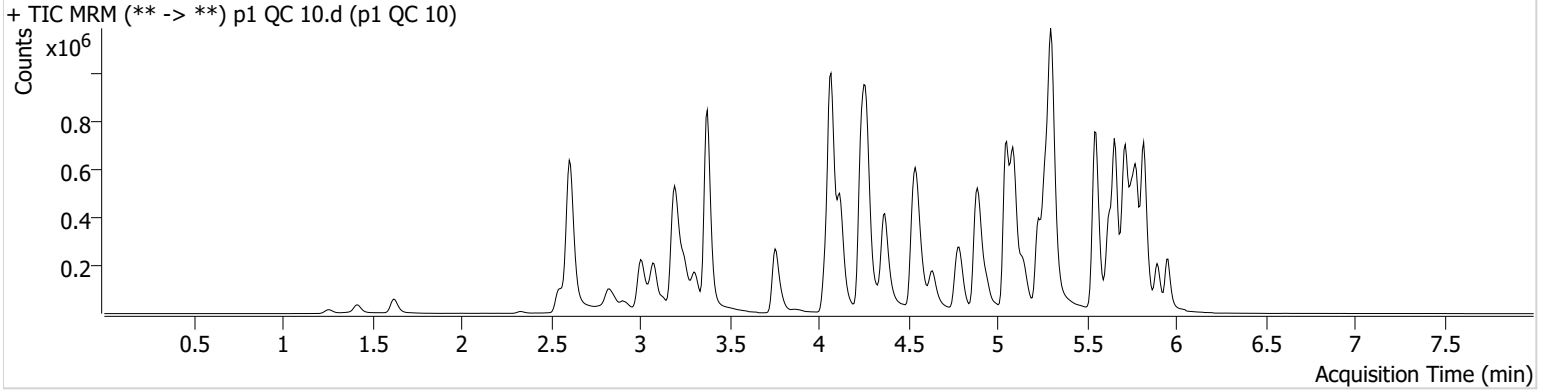
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901) **Data File** p1 QC 10.d
Type QC **Sample** p1 QC 10
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-H6 **Comment**
Injection Volume 2
Acq. Date-Time 1/20/2024 12:45:49 AM
Sample Info.

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	2898	3941.42	78.1	4359.01	88760	1.0665 ng/ml
7-aminoclonazepam	4.271	52489	74.70	72.6	4722.83	215735	10.3670 ng/ml
a-hydroxyalprazolam	5.698	23931	402.80	68.8	71.90	106501	10.6700 ng/ml
alpha-PHP	4.943	54069	289.38	271.0	3370.12	811999	10.1337 ng/ml
alpha-PVP	4.376	202141	410.64	49.3	209.28	811999	9.9491 ng/ml
Alprazolam	5.775	102084	1185.58	108.3	1343.85	397074	10.2593 ng/ml
Amphetamine	3.081	320985	1814.48	46.0	3386.27	414069	11.0329 ng/ml
Benzoylcegonine	3.896	4606	1852.14	43.3	772.15	16716	9.8739 ng/ml
Bromazolam	5.814	44300	159.67	123.5	66077.61	225088	9.9519 ng/ml
Buprenorphine	5.792	4730	878.83	15.5	1018.89	170327	1.1026 ng/ml
Bupropion	4.792	188144	338.24	68.3	177.70	579511	10.1563 ng/ml
Carisoprodol	5.730	105373	1435.43	64.4	244.00	470164	10.0997 ng/ml
Citalopram	5.227	162019	810.22	32.7	299.51	734593	10.1967 ng/ml
Clonazepam	5.618	87523	1430.25	35.7	37308.36	127449	10.3304 ng/ml
Clonazolam	5.554	76561	65127.79	33.4	19330.53	127449	10.4686 ng/ml
Cocaine	4.271	136455	7493.13	50.6	124.71	1109818	10.1674 ng/ml
Codeine	2.596	15031	867.45	104.3	618.20	83306	10.5013 ng/ml
Cyclobenzaprine	5.627	127119	4277.89	8.9	105.49	589249	9.9967 ng/ml
Dextromethorphan	5.284	102644	64.53	86.2	77.08	475273	10.1277 ng/ml
Dextrorphan	4.123	70051	201.61	205.3	4646.07	774447	9.9964 ng/ml
Diazepam	5.954	74061	160.11	92.3	1227.27	319387	10.3361 ng/ml
Dihydrocodeine	2.575	43700	5037.05	64.6	59.54	248468	10.8251 ng/ml
Diphenhydramine	5.305	425592	364.61	29.9	227.09	2012261	10.0683 ng/ml
Doxylamine	4.552	354656	280.25	98.5	776.13	1672982	10.1205 ng/ml
Duloxetine	5.653	15713	1113.86	13.2	295.91	78861	11.0142 ng/ml
EDDP	5.270	169603	183.92	42.1	198.62	872581	10.1258 ng/ml
Etizolam	5.814	61064	55412.95	26.4	19154.55	127449	9.5327 ng/ml
Fentanyl	5.104	13551	1563.57	77.9	12317.04	774478	0.9787 ng/ml
Fluorofentanyl	5.158	37054	1385.18	39.6	2014.99	6205	1.0373 ng/ml
Fluoxetine	5.714	158066	7063.04	6.9	9344.70	562553	9.9341 ng/ml
Hydrocodone	3.036	54202	85.62	33.9	74.32	312656	9.9726 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.629	39203	1374.31	79.3	37.30	135479	9.9223 ng/ml
Hydroxyzine	5.704	164769	1323.66	72.4	2599.94	475273	10.1586 ng/ml
Ketamine	4.056	132068	12468.51	33.7	776.04	534575	10.7930 ng/ml
Lamotrigine	4.287	12728	659.71	77.7	13112.45	1568962	10.2132 ng/ml
Lorazepam	5.747	71947	643.78	49.8	11.44	546268	11.2035 ng/ml
MDA	3.215	177501	541.15	33.2	734.75	543008	10.6778 ng/ml
MDMA	3.309	136721	2333.64	91.9	1926.93	147185	10.1094 ng/ml
Meprobamate	4.923	41976	2565.28	36.0	137.30	176207	10.6615 ng/ml
Methadone	5.659	246649	382.14	53.9	398.46	987086	10.0556 ng/ml
Methamphetamine	3.250	319068	231.45	38.7	1569.96	1055856	10.5118 ng/ml
Metoprolol	4.327	39436	552.09	109.3	1648.21	1488018	10.3561 ng/ml
Mirtazapine	4.634	263932	801.79	55.3	534.79	811999	10.1047 ng/ml
Mitragynine	5.232	54140	218209.40	33.3	15465.77	987086	10.2738 ng/ml
Morphine	1.267	7715	1034.73	42.9	134.63	8274	9.7814 ng/ml
Norbuprenorphine	4.992	568	1028.05	135.8 High	943.86	33110	1.0322 ng/ml
Nordiazepam	5.900	80018	209.22	54.1	269.76	254788	10.4875 ng/ml
Norfentanyl	4.090	30645	4528.29	36.1	92.00	1247320	0.9800 ng/ml
Norhydrocodone	3.077	12646	122.39	36.4	118.47	103840	8.7639 ng/ml
Noroxycodone	2.927	29204	1364.49	55.4	15.36	106211	9.5012 ng/ml
O-desmethyl-tramadol	3.383	320620	5720.50	5.7	1328.80	1852665	9.9321 ng/ml
o-desmethylvenlafaxine	4.068	449469	18127.39	15.0	208.43	325803	9.9705 ng/ml
Olanzapine	4.475	23883	767.61	52.4	69.78	53699	9.6850 ng/ml
Oxazepam	5.756	100098	2677.44	70.6	45.22	546268	10.8380 ng/ml
Oxycodone	2.852	84816	1360.92	28.8	540.54	334885	10.1912 ng/ml
Oxymorphone	1.419	25327	326.83	50.0	102.41	88524	10.2068 ng/ml
Phentermine	3.792	66195	91.92	7.6	63.78	771965	10.1901 ng/ml
Promethazine	5.551	252797	227.95	32.9	1919.76	1124381	9.8902 ng/ml
Pseudoephedrine	2.620	365775	39085.62	17.1	2779.04	1568962	9.9007 ng/ml
Quetiapine	5.547	203425	4418.68	55.3	7263.16	262167	10.8624 ng/ml
Sertraline	5.783	41282	264.83	100.9	90.30	186081	9.8476 ng/ml
Temazepam	5.824	196756	2142.22	26.2	36.29	862513	9.9088 ng/ml
Tramadol	4.252	304759	88.95	3.6	740.14	1488018	10.9994 ng/ml
Trazodone	5.136	265048	8627.81	58.3	578.55	797054	10.4205 ng/ml
Venlafaxine	5.051	257609	3400.95	37.8	148.04	1568834	9.7960 ng/ml
Xylazine	4.090	112795	1552.56	43.6	275.10	402604	10.0661 ng/ml
Zolpidem	4.900	268496	1188.45	26.6	7071.60	1148004	10.2195 ng/ml



AM #28 Multi-Drug Quant. Results

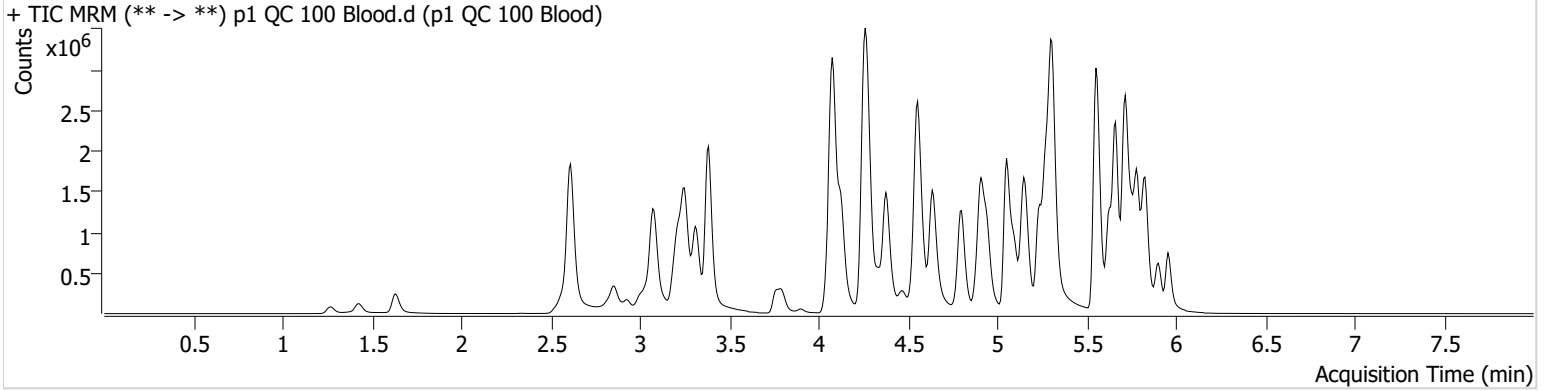
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Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G6
Injection Volume 2
Acq. Date-Time 1/20/2024 7:08:52 AM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	28283	1085.85	74.5	45641.93	85876	10.0664 ng/ml
7-aminoclonazepam	4.278	501686	8923.91	73.7	7178.64	202934	109.8356 ng/ml
a-hydroxyalprazolam	5.698	174351	122.60	65.6	192.08	77929	113.8642 ng/ml
alpha-PHP	4.943	545320	18114.84	262.1	7509.01	802580	104.4052 ng/ml
alpha-PVP	4.376	2011060	47971.91	50.4	50250.12	802580	95.7853 ng/ml
Alprazolam	5.782	879416	902.47	106.3	4844.26	328082	104.4349 ng/ml
Amphetamine	3.074	2664469	19101.66	45.1	1660.03	396818	108.8499 ng/ml
Benzoylcegonine	3.896	49134	4418.83	36.8	1363.13	17299	102.4714 ng/ml
Bromazolam	5.821	337862	826237.98	126.6	182.55	171200	100.3406 ng/ml
Buprenorphine	5.799	44113	46361.70	14.9	251.59	179433	9.7370 ng/ml
Bupropion	4.799	1893568	51820.08	68.6	14501.99	575478	102.3779 ng/ml
Carisoprodol	5.730	777070	42378.88	66.1	2451.09	350519	94.0359 ng/ml
Citalopram	5.227	1559226	16129.42	32.4	652.39	669995	102.3281 ng/ml
Clonazepam	5.618	635985	39344.41	36.3	998.59	98331	104.9757 ng/ml
Clonazolam	5.561	549611	621977.59	36.5	236310.08	98331	100.2854 ng/ml
Cocaine	4.271	1335159	90314.76	51.5	13976.76	1096828	98.4645 ng/ml
Codeine	2.589	136243	9175.49	100.3	240061.76	77569	103.5975 ng/ml
Cyclobenzaprine	5.627	1281107	57122.01	9.3	128.84	593644	94.8650 ng/ml
Dextromethorphan	5.284	995893	32061.37	81.2	224.78	449209	101.6551 ng/ml
Dextrorphan	4.123	635066	15786.10	212.8	11453.54	709062	96.8924 ng/ml
Diazepam	5.954	672224	512.05	90.2	2575.46	288670	103.5708 ng/ml
Dihydrocodeine	2.568	428683	417.52	65.5	19247.87	249638	108.3593 ng/ml
Diphenhydramine	5.305	4187338	12224.60	29.8	8392.37	1922209	99.6389 ng/ml
Doxylamine	4.552	3696136	1148.37	96.7	10090.88	1667577	101.1533 ng/ml
Duloxetine	5.653	139530	2382.84	11.7	732.54	74275	104.1550 ng/ml
EDDP	5.270	1706765	1590.82	41.4	7017.34	852882	101.4848 ng/ml
Etizolam	5.821	526501	22145.42	26.7	1579.56	98331	95.6269 ng/ml
Fentanyl	5.104	146379	2003.86	76.5	224.66	799824	9.8167 ng/ml
Fluorofentanyl	5.164	383325	14133.73	42.0	6114.11	6618	9.4709 ng/ml
Fluoxetine	5.714	1425142	79832.54	7.2	87199.49	501726	99.5865 ng/ml
Hydrocodone	3.036	515400	115.58	36.4	448.17	308433	97.9147 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.636	384970	1592917.55	79.5	759044.65	130549	100.0370 ng/ml
Hydroxyzine	5.704	1591491	552851.40	78.4	858511.48	449209	98.0824 ng/ml
Ketamine	4.056	1229757	165132.85	34.1	595.20	529921	106.3813 ng/ml
Lamotrigine	4.294	117327	989.23	83.1	625.54	1450159	105.7061 ng/ml
Lorazepam	5.747	347645	5156.74	54.9	429.01	316070	96.8393 ng/ml
MDA	3.215	1425611	1238.85	33.1	5427.94	471329	106.9374 ng/ml
MDMA	3.316	1329608	12838.47	94.8	5571.08	138628	101.8125 ng/ml
Meprobamate	4.923	302860	4033.55	35.5	160.41	144582	98.7278 ng/ml
Methadone	5.659	2420572	17959.90	55.8	12551.99	959241	96.1771 ng/ml
Methamphetamine	3.250	2962258	10170.56	37.8	1489.64	1049013	109.1437 ng/ml
Metoprolol	4.333	388148	679231.92	106.4	920.00	1499896	105.7364 ng/ml
Mirtazapine	4.634	2652579	223060.36	55.7	23300.45	802580	97.0830 ng/ml
Mitragynine	5.239	533540	374169.38	35.1	168207.06	959241	103.7813 ng/ml
Morphine	1.267	75424	10672.85	42.7	311.60	7670	105.5645 ng/ml
Norbuprenorphine	4.999	5264	3463.92	96.9	6739.26	29542	10.3028 ng/ml
Nordiazepam	5.900	633527	1859.19	56.1	1023.03	206883	105.7817 ng/ml
Norfentanyl	4.097	268764	3943.95	37.8	174.96	1031016	9.5383 ng/ml
Norhydrocodone	3.077	135625	277.96	37.6	86.08	95852	86.2932 ng/ml
Noroxycodone	2.927	284894	872.93	49.7	3816.93	98485	100.2607 ng/ml
O-desmethyl-tramadol	3.383	3317677	184806.07	5.9	6051.50	1835573	99.2084 ng/ml
o-desmethylvenlafaxine	4.075	4205429	162400.41	14.2	1046.72	286729	99.0980 ng/ml
Olanzapine	4.469	479792	1182.13	53.6	1202.15	102505	98.2461 ng/ml
Oxazepam	5.756	530950	6421.54	70.6	3121.79	316070	104.3494 ng/ml
Oxycodone	2.852	815281	512.08	30.8	866.44	321244	102.1511 ng/ml
Oxymorphone	1.426	239224	∞	50.0	∞	87580	99.0169 ng/ml
Phentermine	3.799	613485	1025.70	7.2	1096.68	747732	107.5762 ng/ml
Promethazine	5.551	2640839	85260.17	33.6	433.91	1110832	98.2605 ng/ml
Pseudoephedrine	2.613	3549789	42553.86	16.8	18978.51	1450159	97.2487 ng/ml
Quetiapine	5.553	1815476	33845.86	57.7	374.04	257946	107.9117 ng/ml
Sertraline	5.783	361716	448.54	94.6	689.00	151072	102.6379 ng/ml
Temazepam	5.824	1330940	329.30	27.4	2402.55	575330	95.8434 ng/ml
Tramadol	4.252	2984226	318.89	3.7	93.14	1499896	104.8053 ng/ml
Trazodone	5.143	2571604	2997.23	62.2	1151524.72	816579	105.3234 ng/ml
Venlafaxine	5.051	2598336	15530.32	36.4	653.18	1524047	96.0211 ng/ml
Xylazine	4.090	1089176	93815.39	46.8	3440.04	375185	102.2413 ng/ml
Zolpidem	4.907	2723471	2553.26	27.2	5377.15	1148141	107.4990 ng/ml



AM #28 Multi-Drug Quant. Results

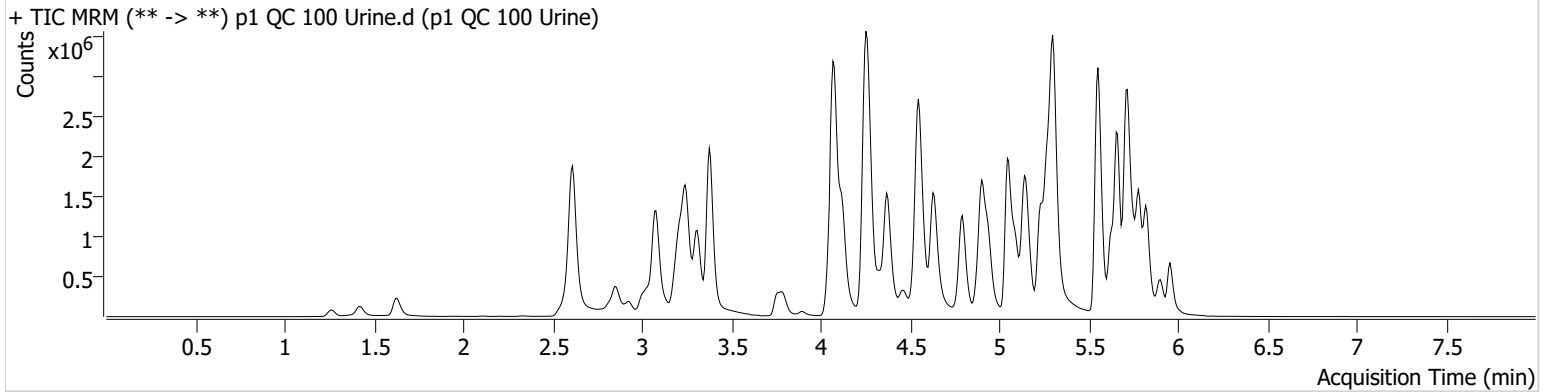
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Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D6
Injection Volume 2
Acq. Date-Time 1/20/2024 1:49:39 AM
Sample Info.

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

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	27518	1963.98	72.1	24813.11	85712	9.8148 ng/ml
7-aminoclonazepam	4.271	498379	8023.38	72.7	7841.49	206986	106.9632 ng/ml
a-hydroxyalprazolam	5.698	127896	167.92	72.3	163.93	58341	111.5524 ng/ml
alpha-PHP	4.943	519920	1672.72	261.3	14876.56	828719	96.3941 ng/ml
alpha-PVP	4.369	2062806	1273.30	50.3	8708.42	828719	95.1542 ng/ml
Alprazolam	5.782	788030	5640.35	105.2	1139.02	292075	105.1175 ng/ml
Amphetamine	3.080	2614009	19220.80	45.7	469.37	409638	103.3605 ng/ml
Benzoylcegonine	3.896	52903	3816.39	38.7	∞	18483	103.2619 ng/ml
Bromazolam	5.814	293941	8493.75	128.3	2523.72	152517	97.9887 ng/ml
Buprenorphine	5.792	44507	2080.52	14.9	6357.18	174804	10.0838 ng/ml
Bupropion	4.792	1854311	23787.45	68.4	17786.60	563636	102.3618 ng/ml
Carisoprodol	5.730	707054	10609.01	63.6	385.19	310817	96.4748 ng/ml
Citalopram	5.227	1617366	10173.39	31.6	7827.18	695172	102.2996 ng/ml
Clonazepam	5.618	327435	429.18	36.1	1163.25	49233	107.9710 ng/ml
Clonazolam	5.561	408017	4240.06	38.8	346882.66	49233	148.8625 ng/ml
Cocaine	4.264	1273686	703.93	51.9	22535.34	1051241	98.0056 ng/ml
Codeine	2.596	133946	3107.92	98.5	13942.09	77262	102.2541 ng/ml
Cyclobenzaprine	5.627	1196856	313.87	8.9	99.09	547264	96.1296 ng/ml
Dextromethorphan	5.277	1046044	13114.60	80.7	6810.09	477410	100.4699 ng/ml
Dextrorphan	4.123	648063	435.75	210.3	65518.84	718814	97.5325 ng/ml
Diazepam	5.954	591017	4140.62	89.3	∞	256521	102.4719 ng/ml
Dihydrocodeine	2.575	428281	17789.82	65.5	936.20	258757	104.4316 ng/ml
Diphenhydramine	5.305	4223956	15961.16	30.1	382.66	2028203	95.2768 ng/ml
Doxylamine	4.545	3898525	6522.90	95.5	2309.15	1727053	103.0088 ng/ml
Duloxetine	5.653	179357	8279.96	12.1	1080.94	100988	98.4672 ng/ml
EDDP	5.263	1657642	9209.00	40.1	389.02	844548	99.5422 ng/ml
Etizolam	5.814	477558	8616.48	27.0	2651.91	49233	172.3675 ng/ml
Fentanyl	5.104	167751	308.39	71.9	70159.39	882266	10.1970 ng/ml
Fluorofentanyl	5.158	438808	6489.87	40.7	1968.10	6959	10.3042 ng/ml
Fluoxetine	5.714	1794187	23708.00	7.3	5566.52	642259	97.9429 ng/ml
Hydrocodone	3.029	541946	1220.58	36.6	2087.72	321420	98.8000 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.629	371323	8035.34	78.9	1976260.10	129097	97.5793 ng/ml
Hydroxyzine	5.704	1641088	3216.62	81.3	1803.26	477410	95.1832 ng/ml
Ketamine	4.048	1242830	430.87	33.3	353.65	553472	102.9182 ng/ml
Lamotrigine	4.287	114563	870.73	86.3	1372.82	1519561	98.4731 ng/ml
Lorazepam	5.747	234638	690.32	56.5	197.74	214188	96.4482 ng/ml
MDA	3.215	1415324	6290.44	32.8	1999.78	449792	111.2891 ng/ml
MDMA	3.309	1331195	1912.39	94.3	1687.61	139988	100.9460 ng/ml
Meprobamate	4.923	254109	4337.90	36.3	1603.63	122135	98.0551 ng/ml
Methadone	5.659	2410171	411.31	54.1	1328.41	957906	95.8991 ng/ml
Methamphetamine	3.250	2957647	21545.06	37.7	∞	1059739	107.8556 ng/ml
Metoprolol	4.326	391907	12759.03	106.6	1763.80	1566666	102.1927 ng/ml
Mirtazapine	4.627	2741992	27104.87	54.7	13810.83	828719	97.1894 ng/ml
Mitragynine	5.232	664755	3990.42	34.5	10813.12	957906	129.4738 ng/ml
Morphine	1.261	73228	530.68	41.0	546.42	7761	101.2801 ng/ml
Norbuprenorphine	4.992	5281	4501.13	106.9	54.04	31025	9.8441 ng/ml
Nordiazepam	5.900	458678	7356.76	56.1	2914.07	146506	108.1579 ng/ml
Norfentanyl	4.090	255931	155.75	38.1	1155.12	1015460	9.2250 ng/ml
Norhydrocodone	3.077	141357	∞	36.7	96.88	99134	86.9512 ng/ml
Noroxycodone	2.927	310687	638.14	51.5	1022.66	107289	100.3658 ng/ml
O-desmethyl-tramadol	3.376	3338291	2974.70	6.0	4226.90	1871879	97.8951 ng/ml
o-desmethylvenlafaxine	4.086	4161720	61773.37	14.7	1831.19	294596	95.4754 ng/ml
Olanzapine	4.462	579137	2145.10	56.5	1334.99	126741	95.9209 ng/ml
Oxazepam	5.756	334827	2393.79	68.3	55.23	214188	97.0635 ng/ml
Oxycodone	2.852	890554	1070.46	30.7	2121.38	350180	102.3621 ng/ml
Oxymorphone	1.419	237890	∞	50.2	824.52	87928	98.0732 ng/ml
Phentermine	3.792	613872	5252.59	7.3	80.79	758427	106.1101 ng/ml
Promethazine	5.544	2812440	36993.26	33.3	3535.26	1169966	99.3489 ng/ml
Pseudoephedrine	2.613	3684387	25685.39	16.8	13115.23	1519561	96.3328 ng/ml
Quetiapine	5.553	1814492	280.80	58.4	139.68	256837	108.3233 ng/ml
Sertraline	5.782	395553	188.49	90.6	380.67	170967	99.1911 ng/ml
Temazepam	5.824	873420	514.26	27.1	208.48	380179	95.1859 ng/ml
Tramadol	4.245	2966525	∞	3.5	80.82	1566666	99.7547 ng/ml
Trazodone	5.136	2673607	587.74	63.8	782.95	888706	100.5790 ng/ml
Venlafaxine	5.044	2727919	105168.97	35.3	805.88	1577537	97.3830 ng/ml
Xylazine	4.083	1133619	16061.60	47.8	1282.39	390629	102.2062 ng/ml
Zolpidem	4.900	2831938	1044.75	26.9	454.97	1234343	103.9602 ng/ml



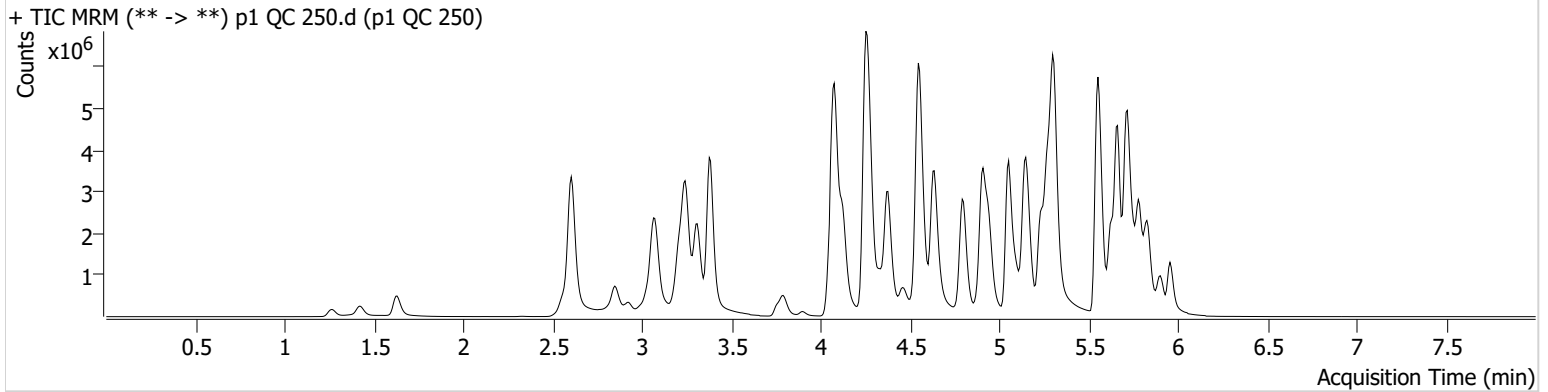
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901) **Data File** p1 QC 250.d
Type QC **Sample** p1 QC 250
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-F6 **Comment**
Injection Volume 2
Acq. Date-Time 1/20/2024 1:07:07 AM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.136	64133	2818.68	77.6	278.89	81501	23.9458 ng/ml
7-aminoclonazepam	4.278	847526	32859.21	70.7	11755.92	144850	260.6280 ng/ml
a-hydroxyalprazolam	5.698	262941	110.09	64.2	625.45	53153	252.7963 ng/ml
alpha-PHP	4.943	1248809	54434.02	262.4	2412.03	747251	256.9551 ng/ml
alpha-PVP	4.376	4768400	101593.02	50.7	731.63	747251	243.1884 ng/ml
Alprazolam	5.782	1732665	516.56	104.9	1422.63	256106	263.1804 ng/ml
Amphetamine	3.074	5370375	5038.37	43.6	47690.74	384596	228.2373 ng/ml
Benzoylcegonine	3.896	117560	191.78	37.7	2137.15	16676	254.4354 ng/ml
Bromazolam	5.814	587553	572175.87	127.5	1263082.62	127209	234.9201 ng/ml
Buprenorphine	5.792	99231	50299.55	14.7	12119.44	155987	25.1900 ng/ml
Bupropion	4.792	4534452	76396.39	68.6	60191.06	561513	251.1689 ng/ml
Carisoprodol	5.730	1363387	1619548.08	66.3	6649.34	231323	248.9090 ng/ml
Citalopram	5.227	3474770	77308.65	32.2	29374.27	603635	252.2980 ng/ml
Clonazepam	5.611	985002	22017.31	35.1	1368.18	68138	235.7530 ng/ml
Clonazolam	5.561	815661	1135711.93	38.7	302050.48	68138	215.1734 ng/ml
Cocaine	4.271	2918974	931480.77	52.0	211716.47	974152	242.0147 ng/ml
Codeine	2.582	268007	11576.54	101.3	74.86	68368	231.4091 ng/ml
Cyclobenzaprine	5.627	2969329	93984.68	8.4	25623.70	517819	251.1281 ng/ml
Dextromethorphan	5.277	2184571	24947.11	77.3	35103.09	393858	253.9518 ng/ml
Dextrorphan	4.123	1400661	40284.18	217.6	23856.22	622387	243.1052 ng/ml
Diazepam	5.954	1412556	10260.26	89.1	8153.72	239924	261.8137 ng/ml
Dihydrocodeine	2.561	946418	13010.05	67.7	12831.01	246876	242.2799 ng/ml
Diphenhydramine	5.305	9455631	144088.68	29.7	17764.86	1741628	247.6766 ng/ml
Doxylamine	4.545	9478610	143607.32	93.8	17557.79	1614344	267.1449 ng/ml
Duloxetine	5.653	274135	6956.84	11.6	1656.65	58450	260.0911 ng/ml
EDDP	5.270	3867753	72148.13	40.8	21580.81	767249	255.1935 ng/ml
Etizolam	5.821	1032353	14308.36	28.1	270260.77	68138	268.6252 ng/ml
Fentanyl	5.104	373781	10799.27	73.9	246677.85	785073	25.4667 ng/ml
Fluorofentanyl	5.164	947056	1176.75	41.3	13780.99	6205	24.8452 ng/ml
Fluoxetine	5.714	2780916	45136.33	7.2	126789.97	392368	248.3486 ng/ml
Hydrocodone	3.029	1198329	∞	37.7	3513.43	294133	239.0226 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.629	883236	2142643.44	79.9	4495865.09	121681	246.0708 ng/ml
Hydroxyzine	5.704	3616605	58920.36	80.9	1034248.45	393858	253.2227 ng/ml
Ketamine	4.056	2615665	253342.88	33.3	282.37	497814	241.6174 ng/ml
Lamotrigine	4.294	226865	3182.88	86.5	29123.96	1243781	238.8483 ng/ml
Lorazepam	5.747	453865	20578.89	53.7	2735.07	169553	236.3182 ng/ml
MDA	3.215	2659851	9388.48	33.8	15144.02	407567	231.8752 ng/ml
MDMA	3.309	2993785	19466.76	95.2	18069.97	126902	250.0235 ng/ml
Meprobamate	4.923	510805	3036.31	35.5	5424.11	114745	210.5311 ng/ml
Methadone	5.659	5760696	333714.70	54.3	95534.13	884817	247.2111 ng/ml
Methamphetamine	3.243	6671260	64977.27	37.0	40728.06	1032252	251.4778 ng/ml
Metoprolol	4.333	823132	30639.66	107.2	1580.97	1354095	249.0855 ng/ml
Mirtazapine	4.634	6413268	394545.61	53.2	15698.46	747251	251.1156 ng/ml
Mitragynine	5.239	1173537	1165392.81	35.4	412808.24	884817	247.4091 ng/ml
Morphine	1.267	173880	19531.77	41.5	4271.51	7132	262.0937 ng/ml
Norbuprenorphine	4.999	12576	49.23	103.4	33491.90	30486	23.7935 ng/ml
Nordiazepam	5.900	1175235	617.42	54.9	9681.53	150143	271.0167 ng/ml
Norfentanyl	4.090	509353	104.07	38.3	3202.76	745494	24.8549 ng/ml
Norhydrocodone	3.077	293869	718.12	41.6	115.40	84122	210.9027 ng/ml
Noroxycodone	2.920	631741	11430.13	51.4	599.39	89337	245.1371 ng/ml
O-desmethyl-tramadol	3.383	7780639	226084.85	5.8	10147.71	1697897	250.7950 ng/ml
o-desmethylvenlafaxine	4.075	8475108	229165.98	14.7	3965.64	231161	246.6427 ng/ml
Olanzapine	4.462	1215511	8182.32	55.7	2849.95	98681	257.9126 ng/ml
Oxazepam	5.756	671655	5198.51	69.8	∞	169553	246.9014 ng/ml
Oxycodone	2.845	1962724	∞	30.6	1199.58	315683	250.2570 ng/ml
Oxymorphone	1.419	575689	∞	47.1	∞	80844	258.4322 ng/ml
Phentermine	3.792	1293797	∞	6.9	1082.98	720931	236.7009 ng/ml
Promethazine	5.544	6280698	1040.11	32.2	28847.26	1027407	251.6312 ng/ml
Pseudoephedrine	2.606	7836307	105454.51	16.5	49672.42	1243781	249.1907 ng/ml
Quetiapine	5.553	3833783	819.73	58.2	68723.18	237746	248.7429 ng/ml
Sertraline	5.782	701039	45256.10	92.2	3217.38	121305	247.2096 ng/ml
Temazepam	5.831	1992438	13639.52	27.4	232.00	322241	255.3190 ng/ml
Tramadol	4.252	6584748	∞	3.7	1164.15	1354095	255.8154 ng/ml
Trazodone	5.136	5979460	169239.34	65.8	3363019.52	809268	248.1640 ng/ml
Venlafaxine	5.051	6442627	183069.89	34.2	13982.08	1415772	255.2829 ng/ml
Xylazine	4.083	2425905	122982.12	49.4	2782.35	327438	260.5854 ng/ml
Zolpidem	4.907	6607235	2427.48	26.3	1001398.11	1155245	259.7869 ng/ml



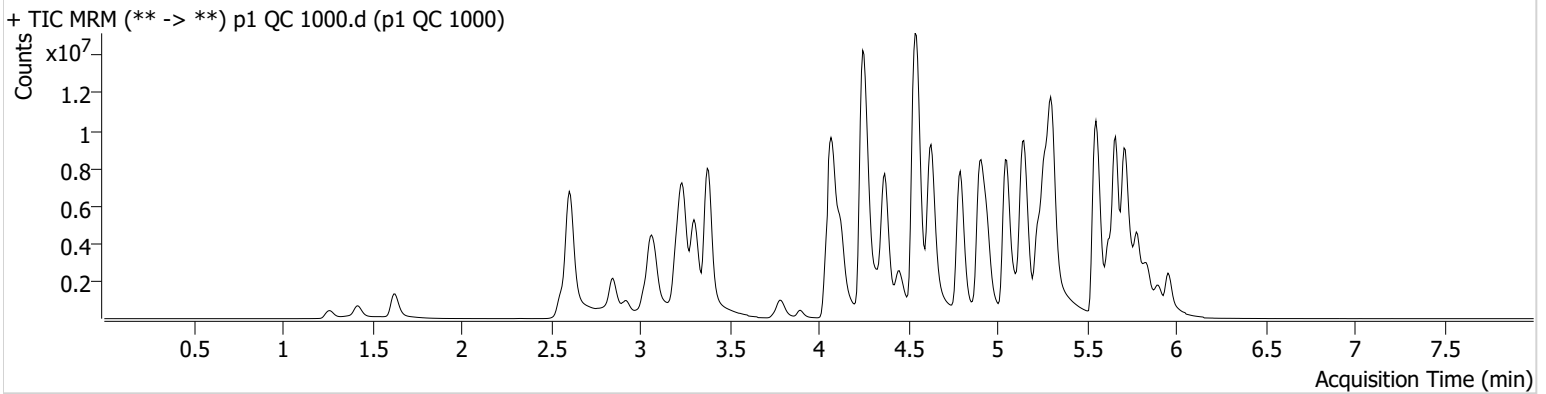
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901) **Data File** p1 QC 1000.d
Type QC **Sample** p1 QC 1000
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-E6 **Comment**
Injection Volume 2
Acq. Date-Time 1/20/2024 1:28:22 AM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.136	216866	137684.85	69.3	408041.56	63775	103.2260 ng/ml
7-aminoclonazepam	4.278	823584	19569.39	73.3	12764.72	43560	843.2728 ng/ml
a-hydroxyalprazolam	5.692	373722	1506.03	66.9	228.14	21228	901.8508 ng/ml
alpha-PHP	4.943	3212260	25589.35	267.9	132971.44	525633	939.9150 ng/ml
alpha-PVP	4.369	14169874	97286.01	50.5	711.09	525633	1025.8028 ng/ml
Alprazolam	5.782	3356832	319.65	100.9	516.38	128148	1018.2344 ng/ml
Amphetamine	3.067	11027514	2478.75	43.2	137460.02	280861	644.9009 ng/ml
Benzoylcegonine	3.896	462047	47033.48	37.1	406766.38	15677	1063.9899 ng/ml
Bromazolam	5.821	1033381	329220.96	125.8	526478.64	52237	1006.3690 ng/ml
Buprenorphine	5.792	251633	143583.84	15.1	58431.59	90612	109.9543 ng/ml
Bupropion	4.792	13945104	263768.39	66.6	59431.91	448439	967.0330 ng/ml
Carisoprodol	5.730	2304753	246507.51	66.5	8395.14	91911	1056.8549 ng/ml
Citalopram	5.220	7307786	52101.32	31.7	∞	312364	1023.6977 ng/ml
Clonazepam	5.611	1401917	69096.15	35.0	272078.73	30049	762.8984 ng/ml
Clonazolam	5.575	1089562	1170043.20	38.9	231739.42	30049	652.4767 ng/ml
Cocaine	4.264	7093469	213294.49	50.7	1303.62	565488	1012.3628 ng/ml
Codeine	2.582	600768	8690.92	95.6	15812.40	43975	806.8625 ng/ml
Cyclobenzaprine	5.627	6226951	1140.52	8.0	441.49	256325	1062.0498 ng/ml
Dextromethorphan	5.277	4073787	84205.92	77.3	286240.78	182374	1021.9738 ng/ml
Dextrorphan	4.123	3464374	62583.20	220.5	166987.65	366474	1020.4323 ng/ml
Diazepam	5.954	3197352	7153.24	92.3	4623.70	150665	943.6450 ng/ml
Dihydrocodeine	2.554	2576283	15826.04	68.4	20699.56	204254	797.8397 ng/ml
Diphenhydramine	5.305	21766374	188930.83	31.3	26801.17	983680	1008.1003 ng/ml
Doxylamine	4.545	27707501	334369.12	95.5	509862.84	1279468	983.9699 ng/ml
Duloxetine	5.647	269917	2649.89	12.4	17327.48	16039	933.3249 ng/ml
EDDP	5.263	12048081	119336.80	39.2	380.08	559209	1089.6891 ng/ml
Etizolam	5.821	2368446	21216.96	26.9	65264.99	30049	1392.9826 ng/ml
Fentanyl	5.104	1116197	66690.62	72.5	45478.61	564052	105.7089 ng/ml
Fluorofentanyl	5.164	2438099	35283.67	42.5	722199.79	3194	123.9949 ng/ml
Fluoxetine	5.714	3324783	60846.68	7.3	23283053.4	112161	1038.4016 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.023	3706742	1228.37	39.7	∞	246283	883.5637 ng/ml
Hydromorphone	1.629	2757403	6720203.44	79.8	10414190.37	95403	979.4677 ng/ml
Hydroxyzine	5.704	8565680	2948768.23	83.9	1017366.23	182374	1292.6512 ng/ml
Ketamine	4.041	5728171	∞	32.3	34960.49	358774	735.4037 ng/ml
Lamotrigine	4.294	379300	569.29	87.7	422389.74	750014	662.9959 ng/ml
Lorazepam	5.747	694043	16600.61	55.3	2757.86	54587	1124.1425 ng/ml
MDA	3.201	5340267	115676.55	31.1	1963.77	242124	785.9950 ng/ml
MDMA	3.302	7488702	307437.52	93.9	4837.84	76960	1030.4089 ng/ml
Meprobamate	4.916	690792	44.13	34.2	39.72	51595	634.4702 ng/ml
Methadone	5.659	15317875	269609.73	53.9	155474.71	557925	1040.5828 ng/ml
Methamphetamine	3.236	17070400	108835.72	35.5	56717.24	884008	753.9894 ng/ml
Metoprolol	4.327	1813591	3895084.79	102.4	1624.17	982476	757.4603 ng/ml
Mirtazapine	4.627	18239659	734097.67	52.9	142331.82	525633	1013.4205 ng/ml
Mitragynine	5.232	2705207	78443.53	35.4	481915.73	557925	904.3577 ng/ml
Morphine	1.261	486243	618.30	40.7	3240.44	5675	921.8019 ng/ml
Norbuprenorphine	4.999	39575	99651.29	101.6	58937.92	22976	99.2119 ng/ml
Nordiazepam	5.900	1874674	∞	56.4	10490.70	68008	955.4310 ng/ml
Norfentanyl	4.090	784006	38091.16	38.6	2700.19	210505	135.0872 ng/ml
Norhydrocodone	3.070	841371	189.45	41.2	∞	56059	901.2880 ng/ml
Noroxycodone	2.920	1810829	17040.65	51.6	734.55	65611	956.8543 ng/ml
O-desmethyl-tramadol	3.376	22214260	551.33	6.0	37052.23	1187155	1022.6165 ng/ml
o-desmethylvenlafaxine	4.080	15762234	156879.55	14.4	1298.33	105903	999.0714 ng/ml
Olanzapine	4.448	4074996	4011.59	61.2	115262.13	76083	1120.1707 ng/ml
Oxazepam	5.756	818578	21297.24	70.5	7040.85	54587	936.3671 ng/ml
Oxycodone	2.845	6311839	5756.80	31.0	6560.45	264835	959.3198 ng/ml
Oxymorphone	1.419	1801307	4104.15	50.1	637.37	70110	932.9109 ng/ml
Phentermine	3.785	3031800	∞	7.1	5338.56	572703	700.5223 ng/ml
Promethazine	5.544	14205780	164271.23	30.4	46230.88	539400	1081.8782 ng/ml
Pseudoephedrine	2.606	20604554	387560.50	15.8	252.11	750014	1084.1986 ng/ml
Quetiapine	5.553	8272865	139716.38	60.1	281623.28	177477	721.2323 ng/ml
Sertraline	5.783	696499	17014.88	92.4	189412.88	28159	1056.8416 ng/ml
Temazepam	5.837	2480878	890455.18	27.3	4030.82	93584	1092.9977 ng/ml
Tramadol	4.245	15719875	696.22	3.9	69.81	982476	841.1734 ng/ml
Trazodone	5.136	15243373	2662.89	71.5	2168708.40	599458	855.9779 ng/ml
Venlafaxine	5.044	18570880	5748.55	33.2	19841.66	957129	1086.4852 ng/ml
Xylazine	4.076	6610109	181328.31	49.8	70750.87	224870	1033.2534 ng/ml
Zolpidem	4.900	18342950	464842.49	26.7	4738.15	971554	858.5478 ng/ml



AM #28 Multi-Drug Quant. Results

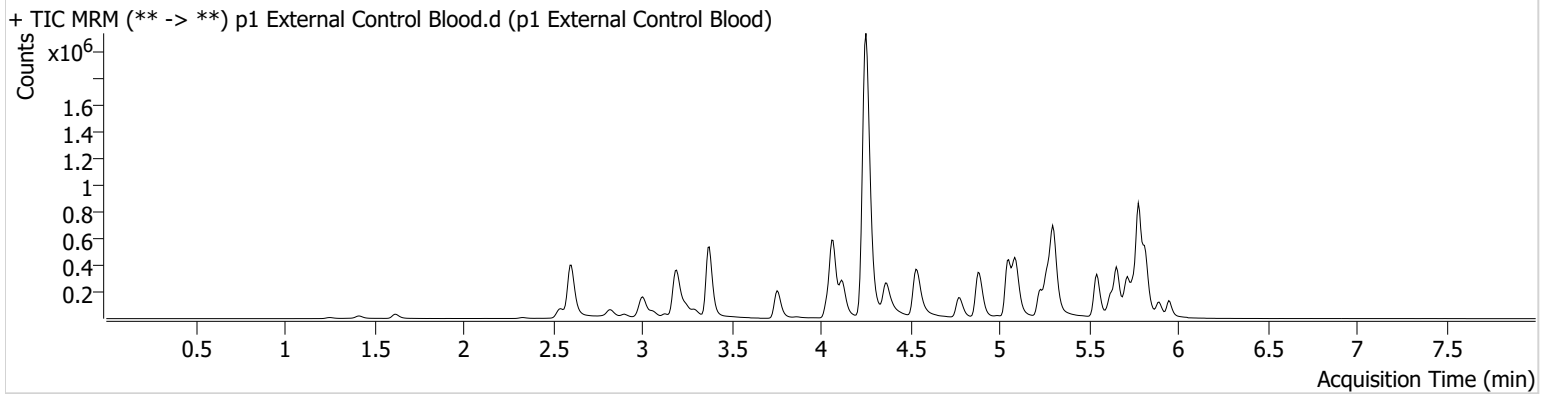
Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B6
Injection Volume 2
Acq. Date-Time 1/20/2024 2:53:27 AM
Sample Info.

Data File p1 External Control Blood.d
Sample p1 External Control Blood
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.
Alprazolam	5.775	666048	1228.71	110.9	∞	306155	84.8118 ng/ml
Tramadol	4.252	2120896	360.94	3.5	272.15	1103474	101.2521 ng/ml



Idaho State Police Forensic Services

**AM #25 Blood Multi-Drug Screen by LCMS-QQQ
And
AM #28 Blood Multi-Drug Confirmatory Analysis by
LCMS-QQQ---Panel 1**

Methanol External Control Solution (Lot: 072123)

100 μ L of 1mg/mL stock of each drug was added to 9800 μ L of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	220776	N/A
Tramadol	Cerilliant	FE10051901	12/31/2024
Alprazolam	Cerilliant	FE06102008	06/30/2025
Prepared:	07/21/2023		
Expires:	07/21/2024		
Prepared By:	Tamara Salazar		

Blood External Control Solution (Lot: WS072123)

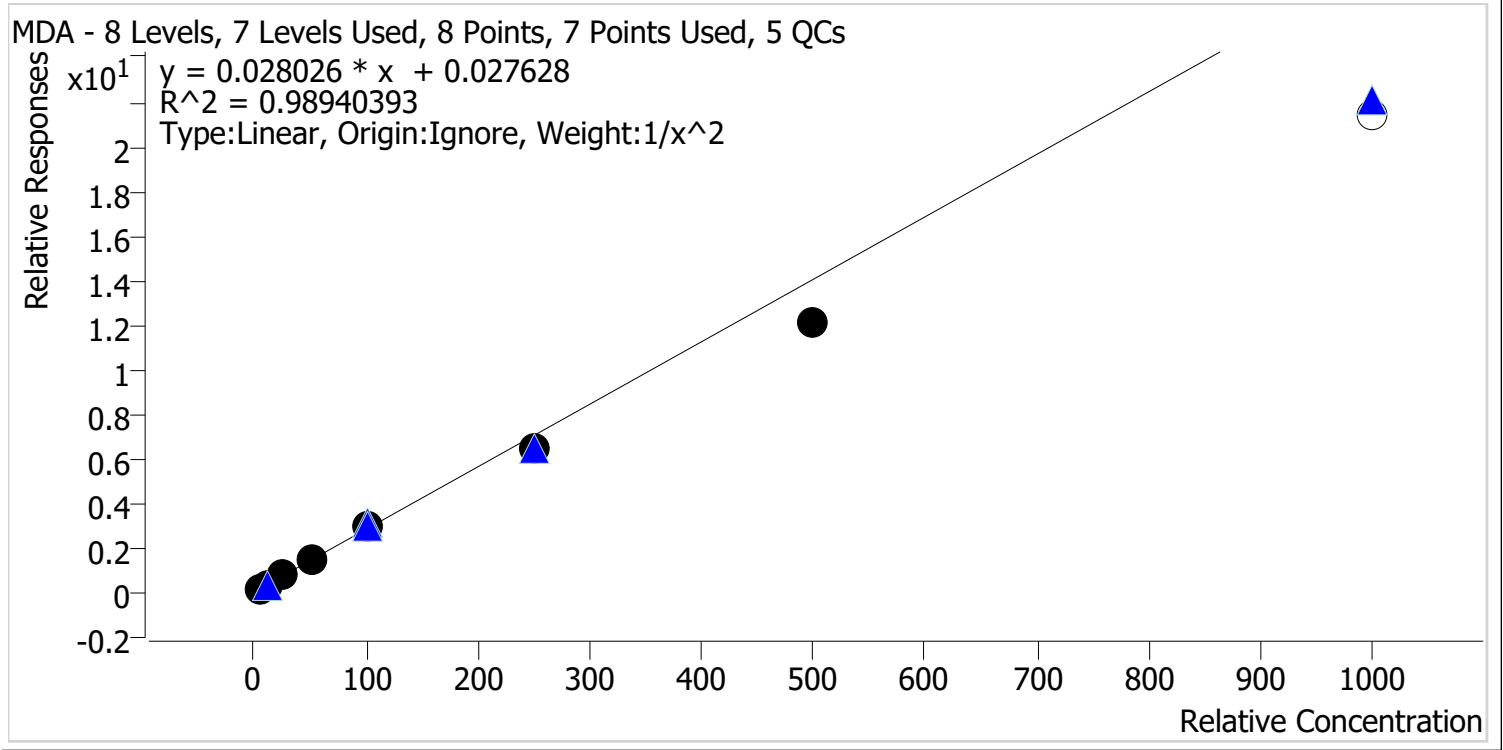
*100 μ L of methanol external control solution was added to 9900 μ L of blood.
Approximately 100 ng/mL of each compound.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Lampire	23A52594
Methanol External Control Solution		072123
Prepared:	07/21/2023	
Expires:	07/21/2024	
Prepared by:	Tamara Salazar	



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5



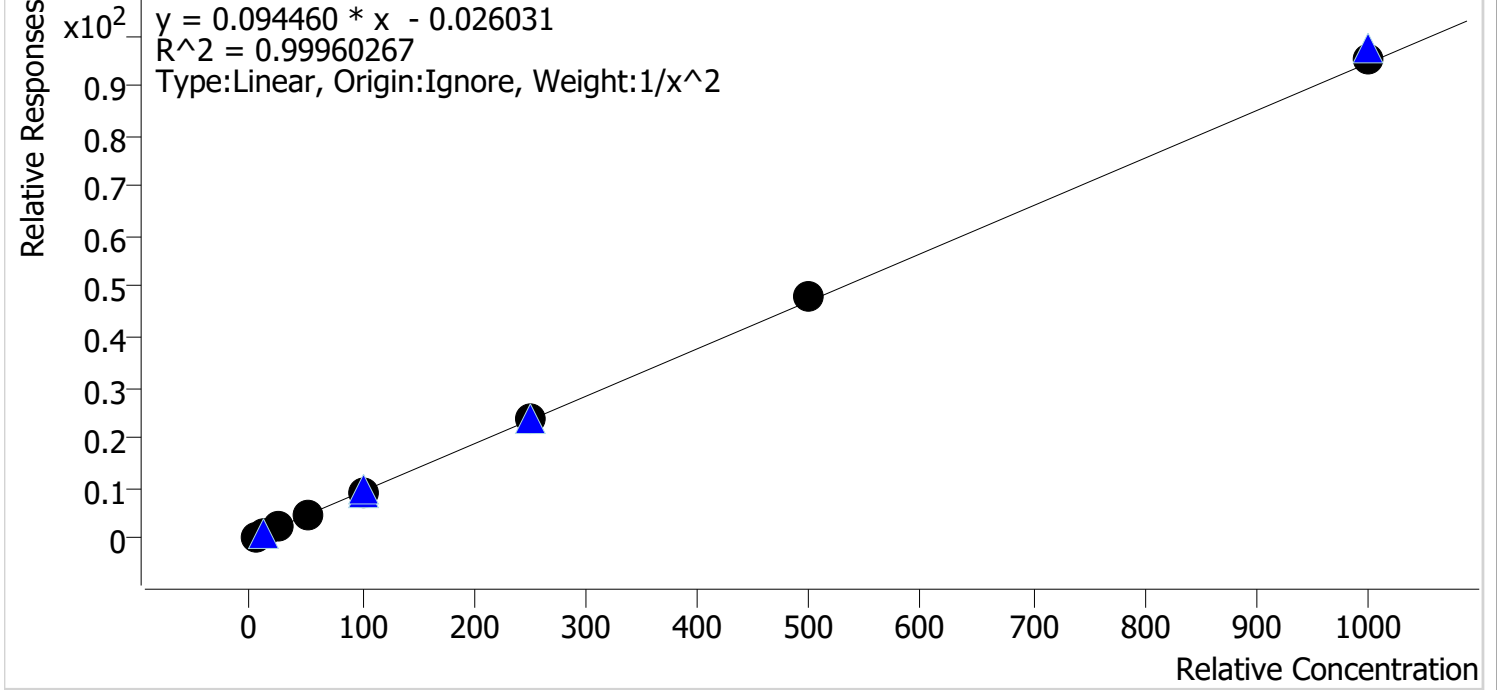
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	27.5	110.2
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	232.0	92.8
p1 Cal 7-500ng	7	✓	500.0	429.3	85.9
p1 Cal 8-1000ng	8	✗	1000.0	760.8	76.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

MDMA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

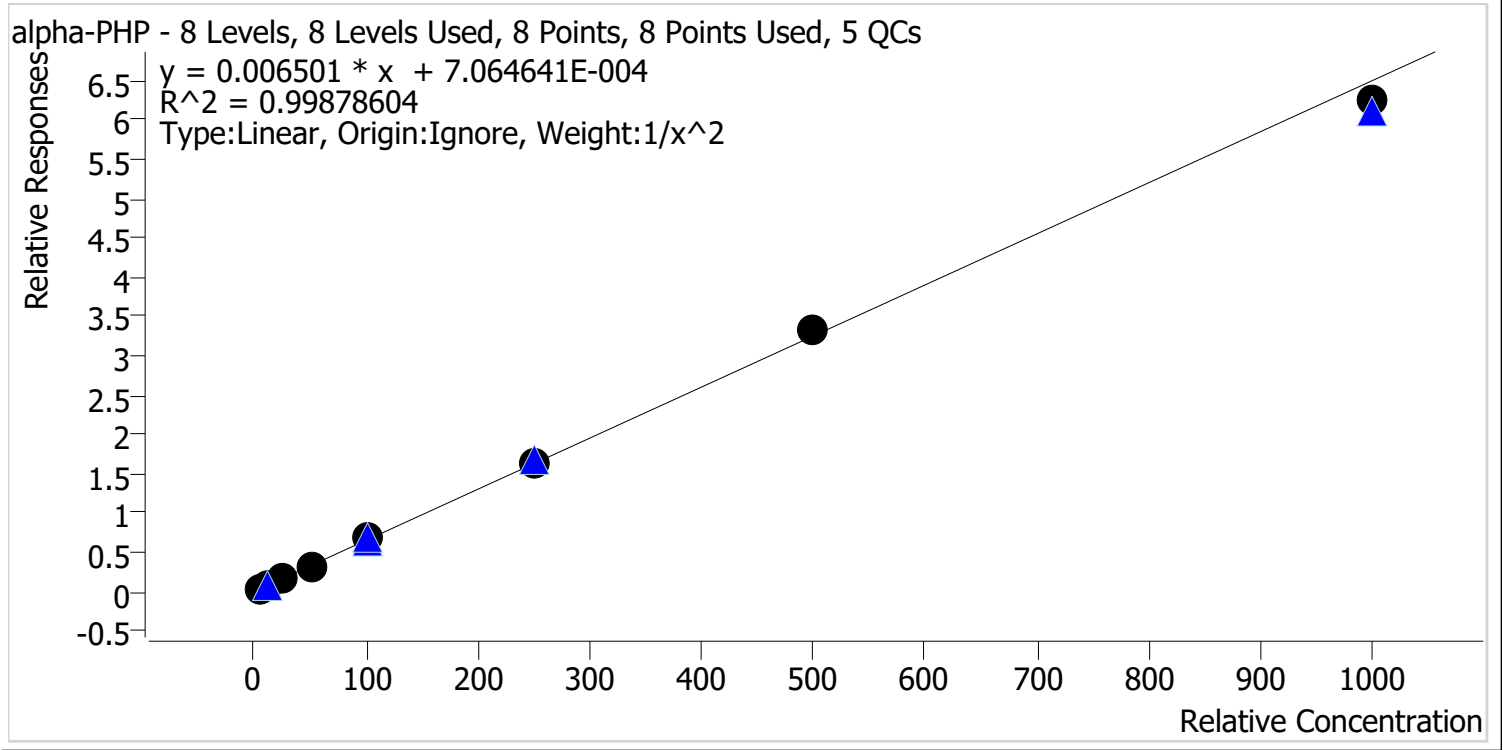


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	511.1	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1010.9	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-D8



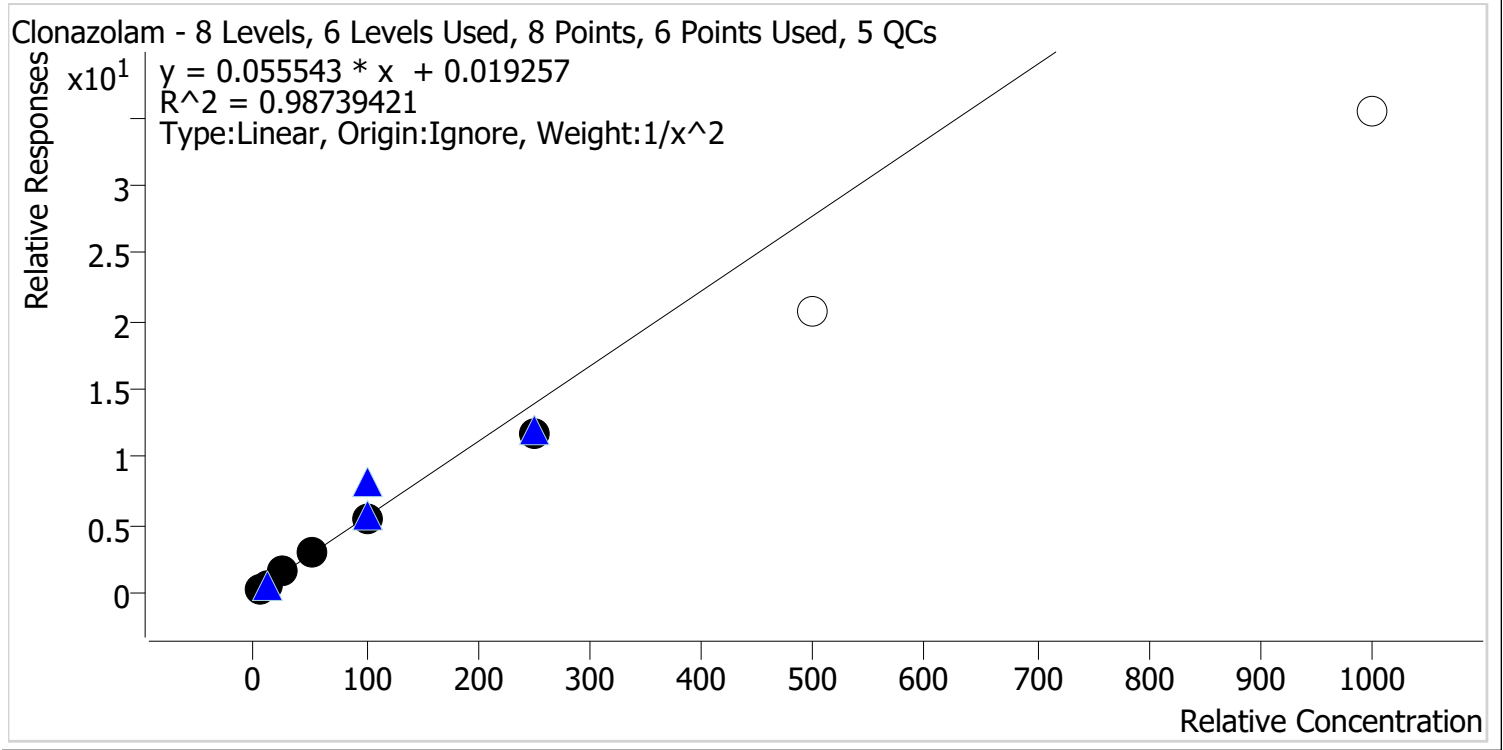
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.5	94.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	509.6	101.9
p1 Cal 8-1000ng	8	✓	1000.0	961.0	96.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4



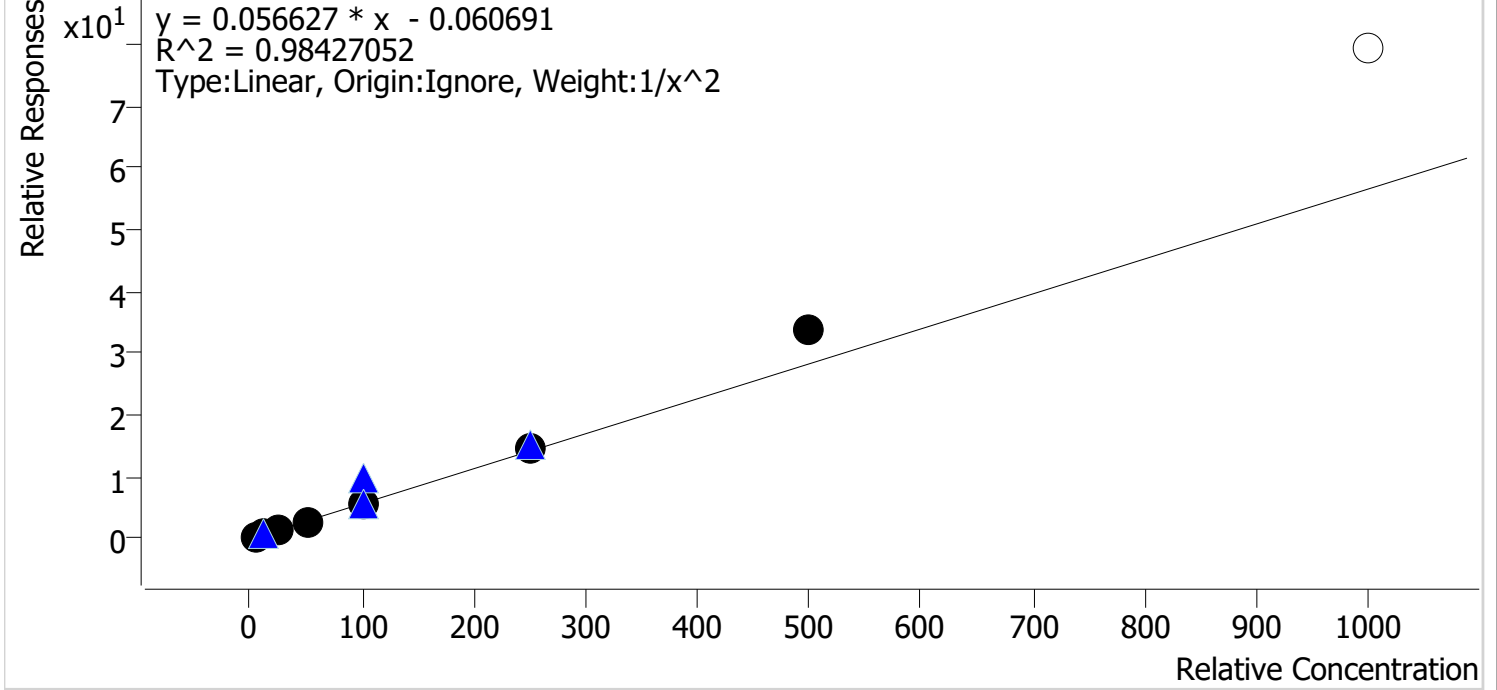
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	55.5	110.9
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	210.6	84.2
p1 Cal 7-500ng	7	x	500.0	371.2	74.2
p1 Cal 8-1000ng	8	x	1000.0	638.3	63.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4

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

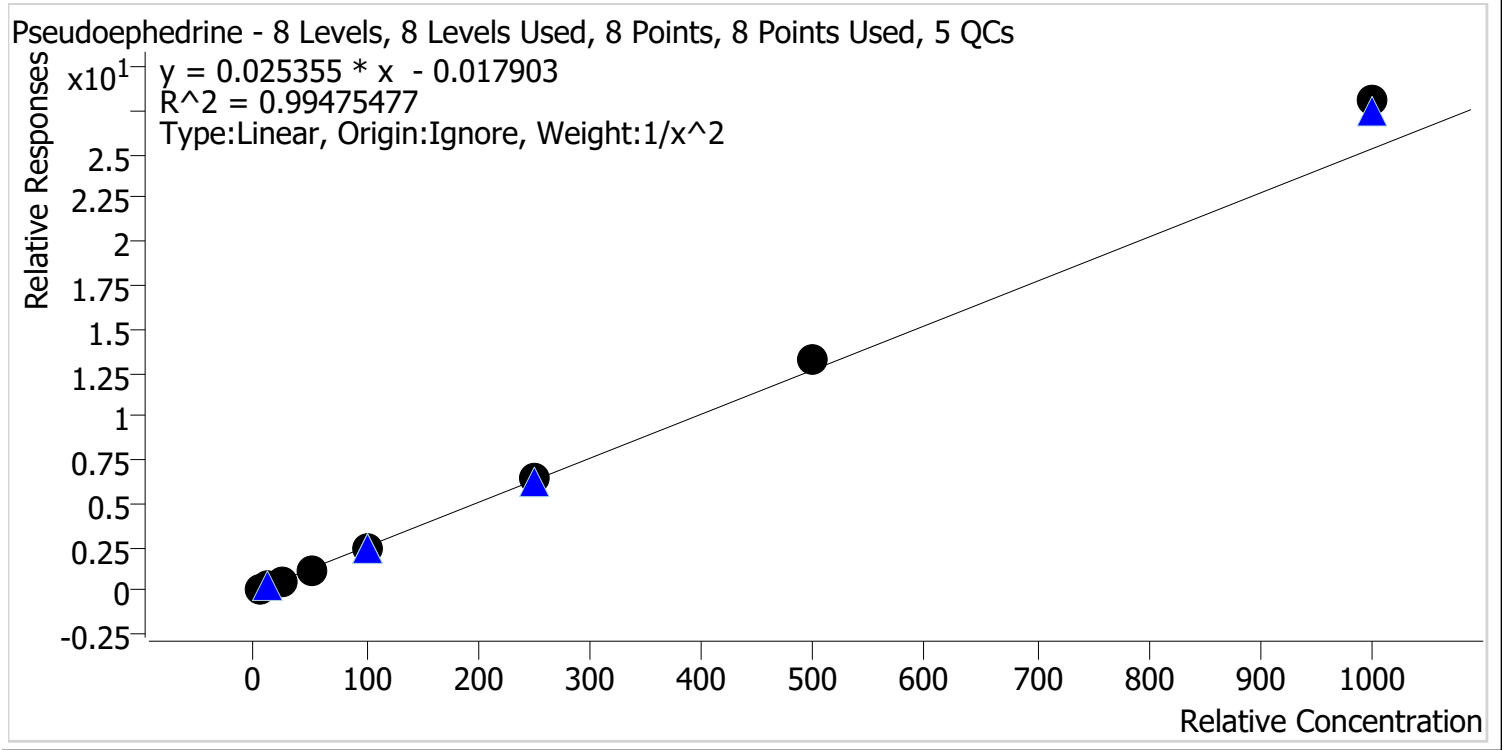


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.8
p1 Cal 2-10ng	2	✓	10.0	9.2	91.7
p1 Cal 3 -25ng	3	✓	25.0	22.5	89.8
p1 Cal 4-50ng	4	✓	50.0	46.6	93.2
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	✓	250.0	259.5	103.8
p1 Cal 7-500ng	7	✓	500.0	597.6	119.5
p1 Cal 8-1000ng	8	x	1000.0	1401.9	140.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



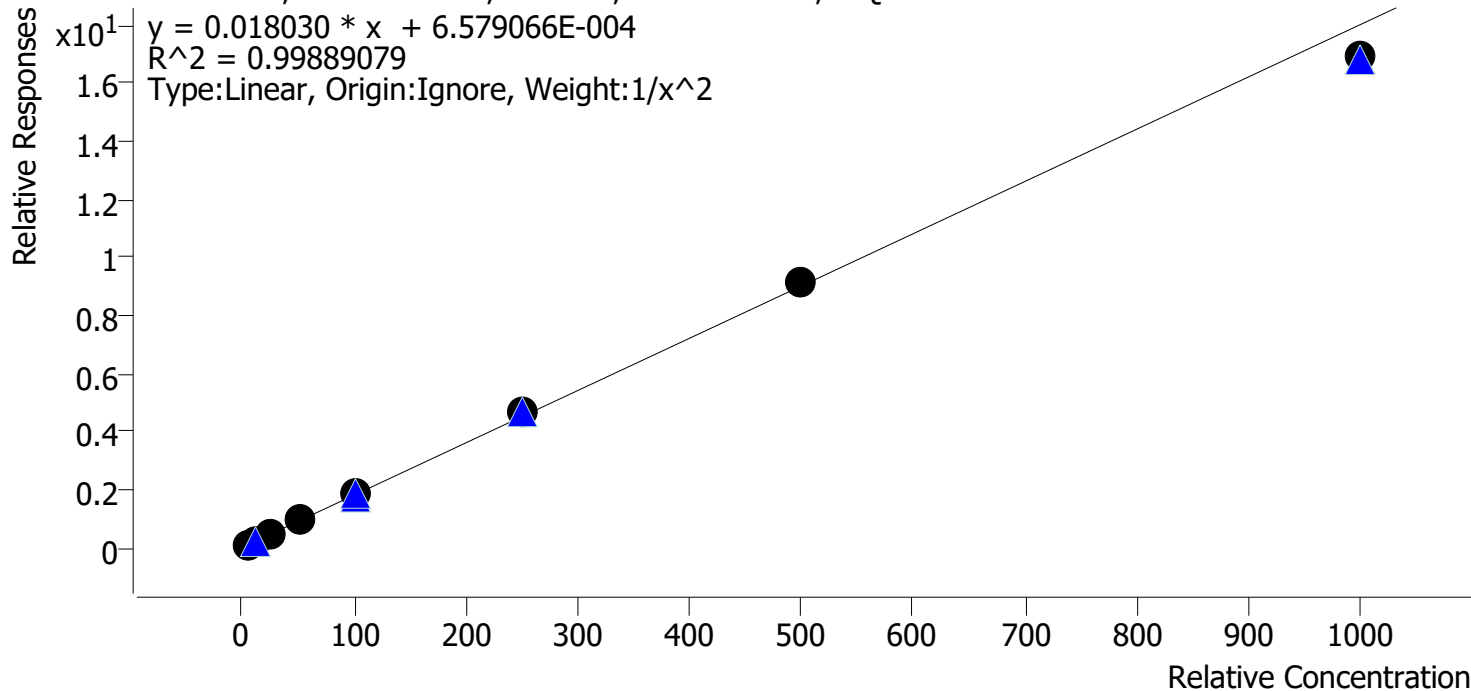
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.1
p1 Cal 2-10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	46.4	92.8
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	524.7	104.9
p1 Cal 8-1000ng	8	✓	1000.0	1108.8	110.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Duloxetine **Internal Standard** Duloxetine-D3

Duloxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

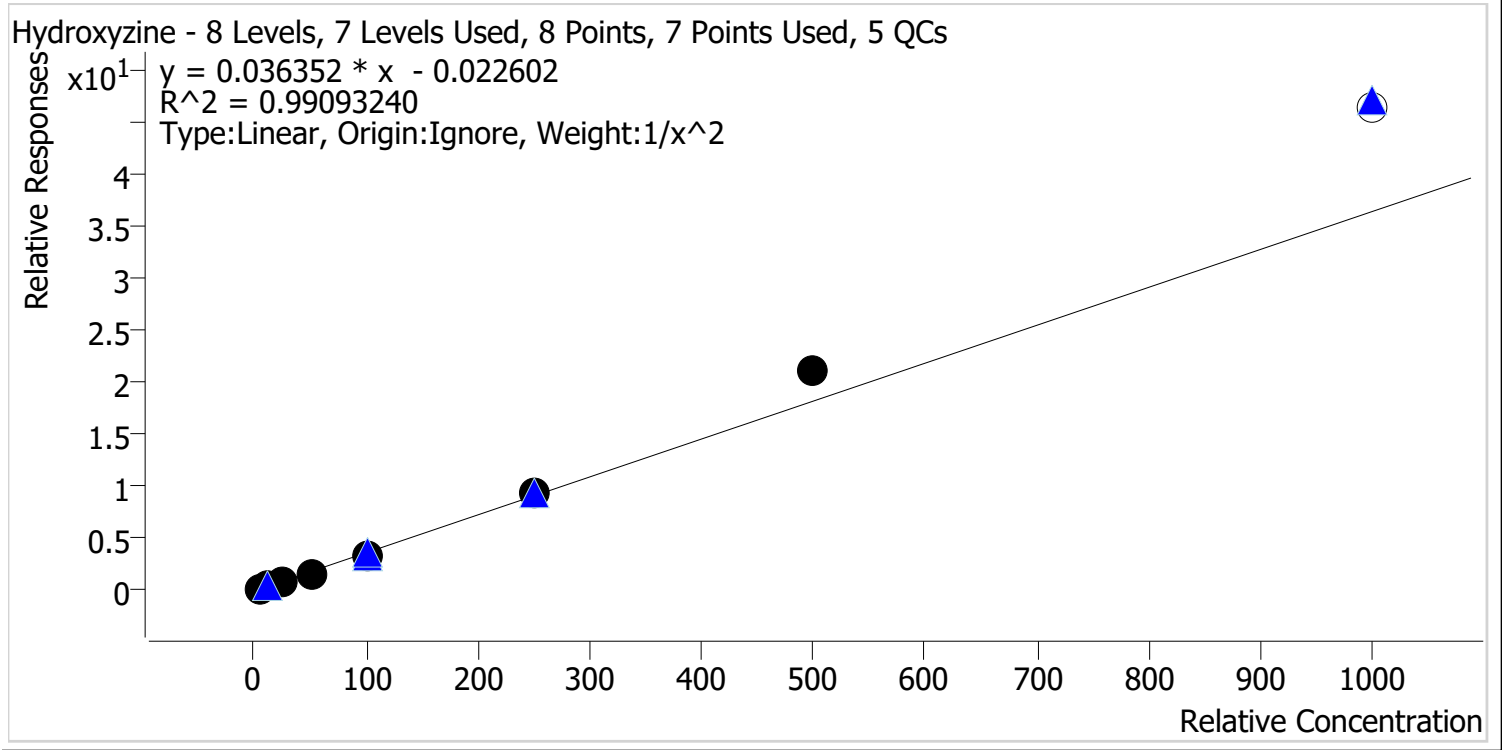


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	258.1	103.2
p1 Cal 7-500ng	7	✓	500.0	508.9	101.8
p1 Cal 8-1000ng	8	✓	1000.0	939.0	93.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Hydroxyzine **Internal Standard** Dextromethorphan-D3

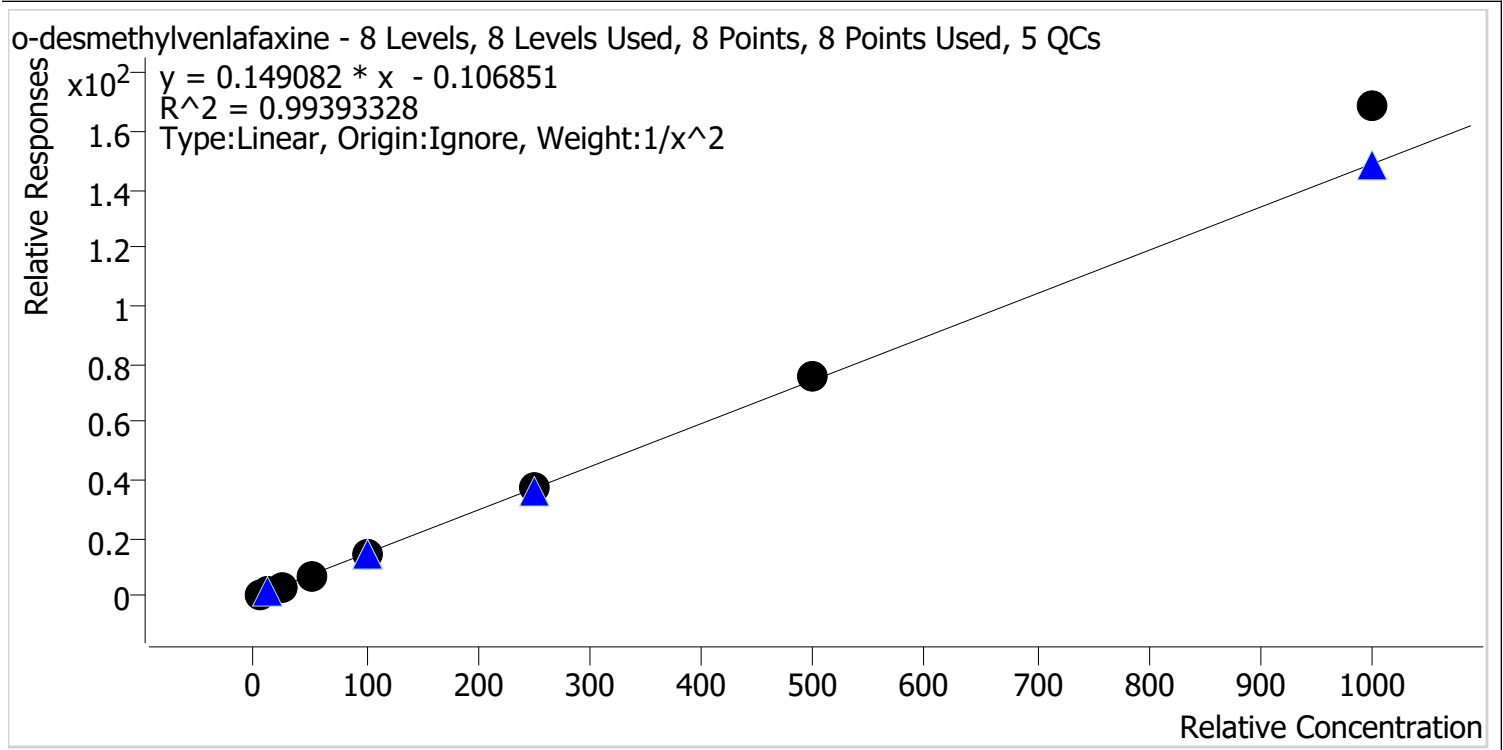


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	46.7	93.4
p1 Cal 5-100ng	5	✓	100.0	93.5	93.5
p1 Cal 6-250ng	6	✓	250.0	258.5	103.4
p1 Cal 7-500ng	7	✓	500.0	576.8	115.4
p1 Cal 8-1000ng	8	✗	1000.0	1278.5	127.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6

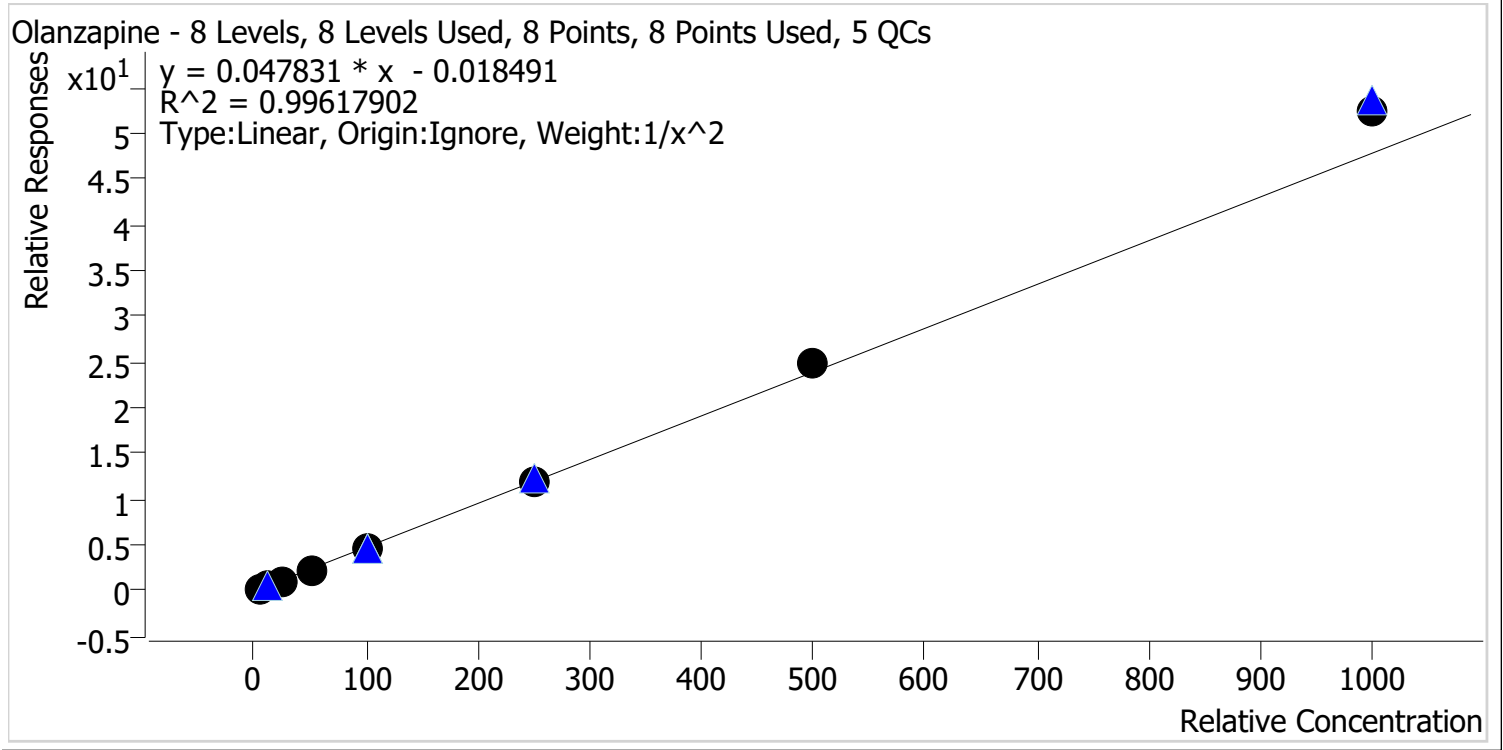


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2-10ng	2	✓	10.0	9.5	94.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	46.6	93.2
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	510.8	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1133.1	113.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Olanzapine **Internal Standard** Olanzapine-D8

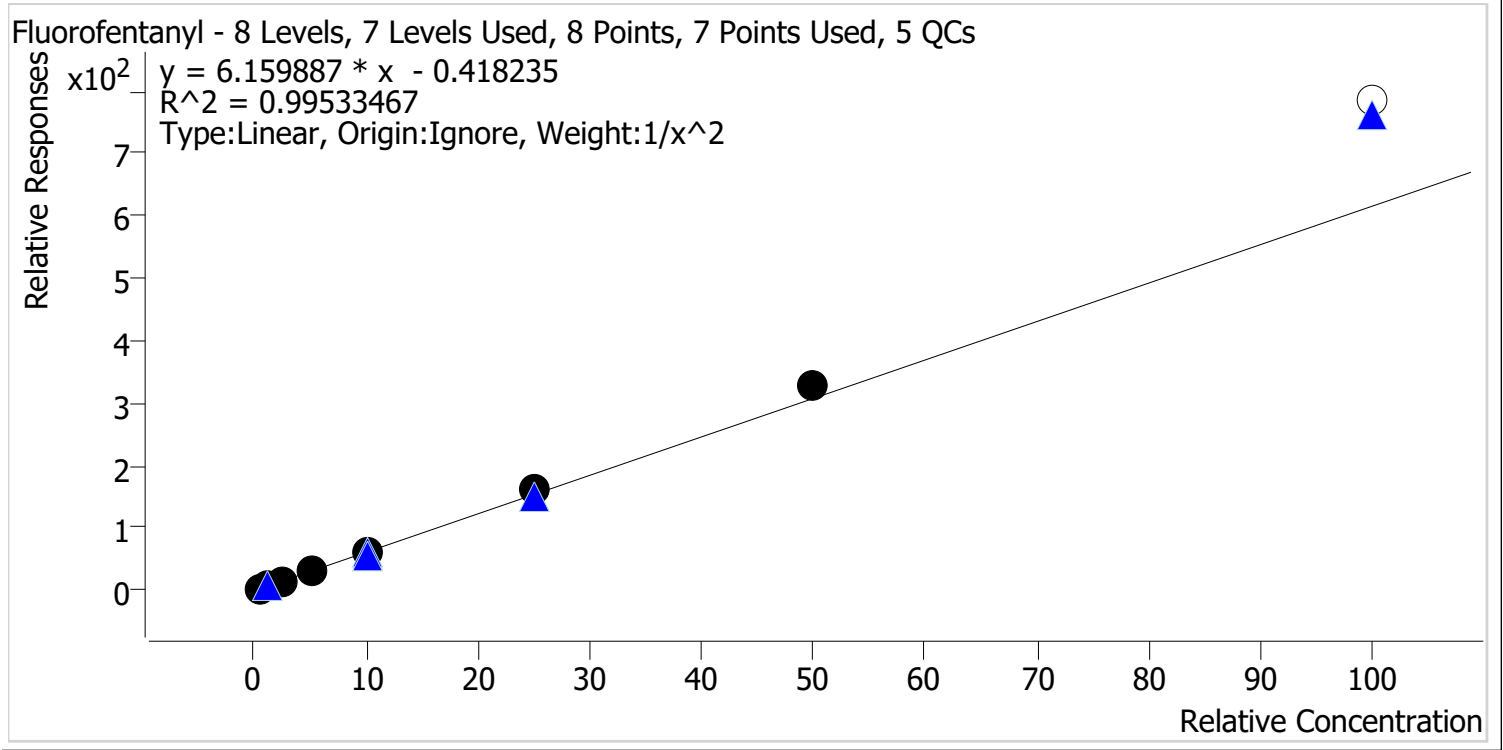


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	45.9	91.8
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	518.0	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1092.6	109.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

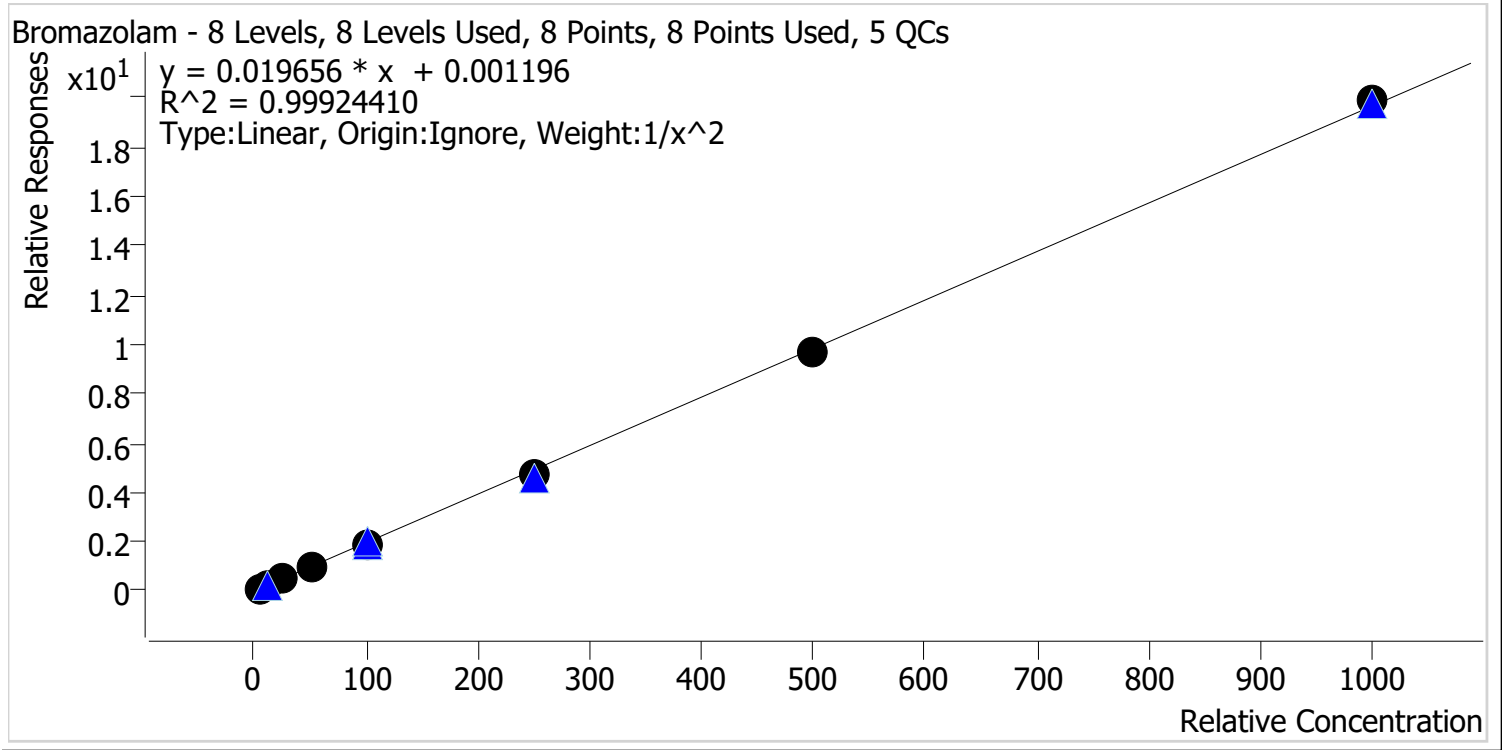


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.8
p1 Cal 2-10ng	2	✓	1.0	1.0	96.2
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.9
p1 Cal 4-50ng	4	✓	5.0	4.7	94.7
p1 Cal 5-100ng	5	✓	10.0	10.1	100.8
p1 Cal 6-250ng	6	✓	25.0	26.5	106.0
p1 Cal 7-500ng	7	✓	50.0	53.2	106.5
p1 Cal 8-1000ng	8	✗	100.0	127.5	127.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Bromazolam **Internal Standard** Bromazolam-D5

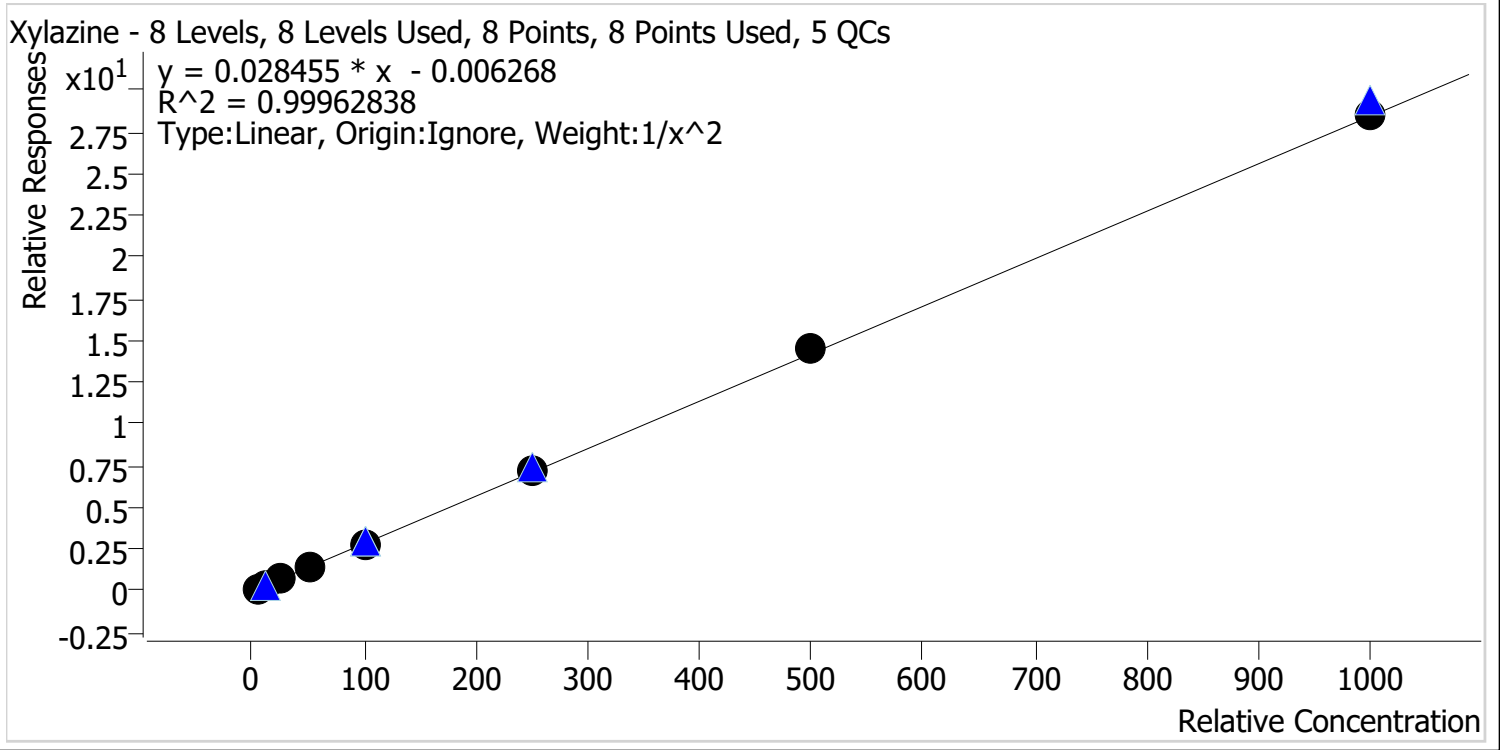


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	241.0	96.4
p1 Cal 7-500ng	7	✓	500.0	489.0	97.8
p1 Cal 8-1000ng	8	✓	1000.0	1011.3	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Xylazine **Internal Standard** Xylanzine-D6

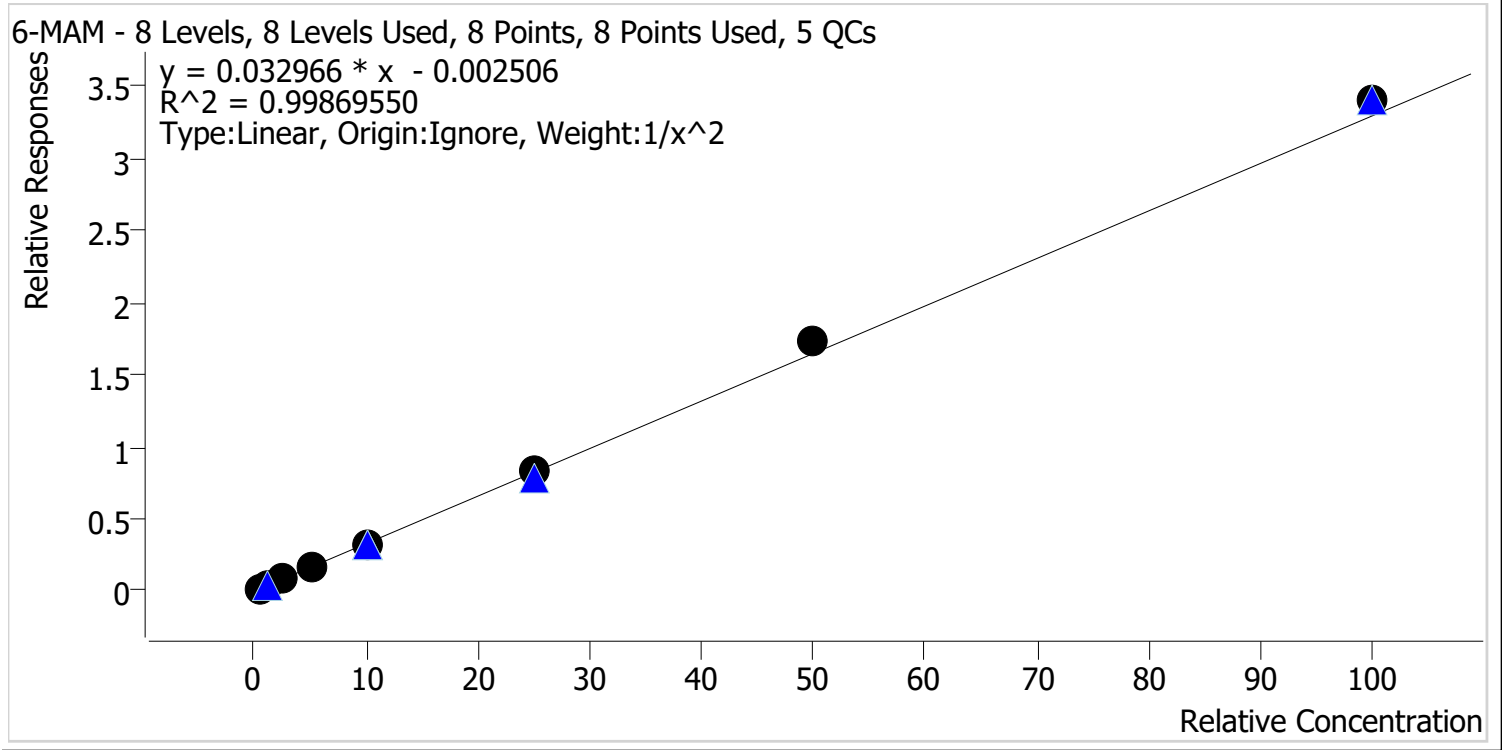


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	510.4	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1005.6	100.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

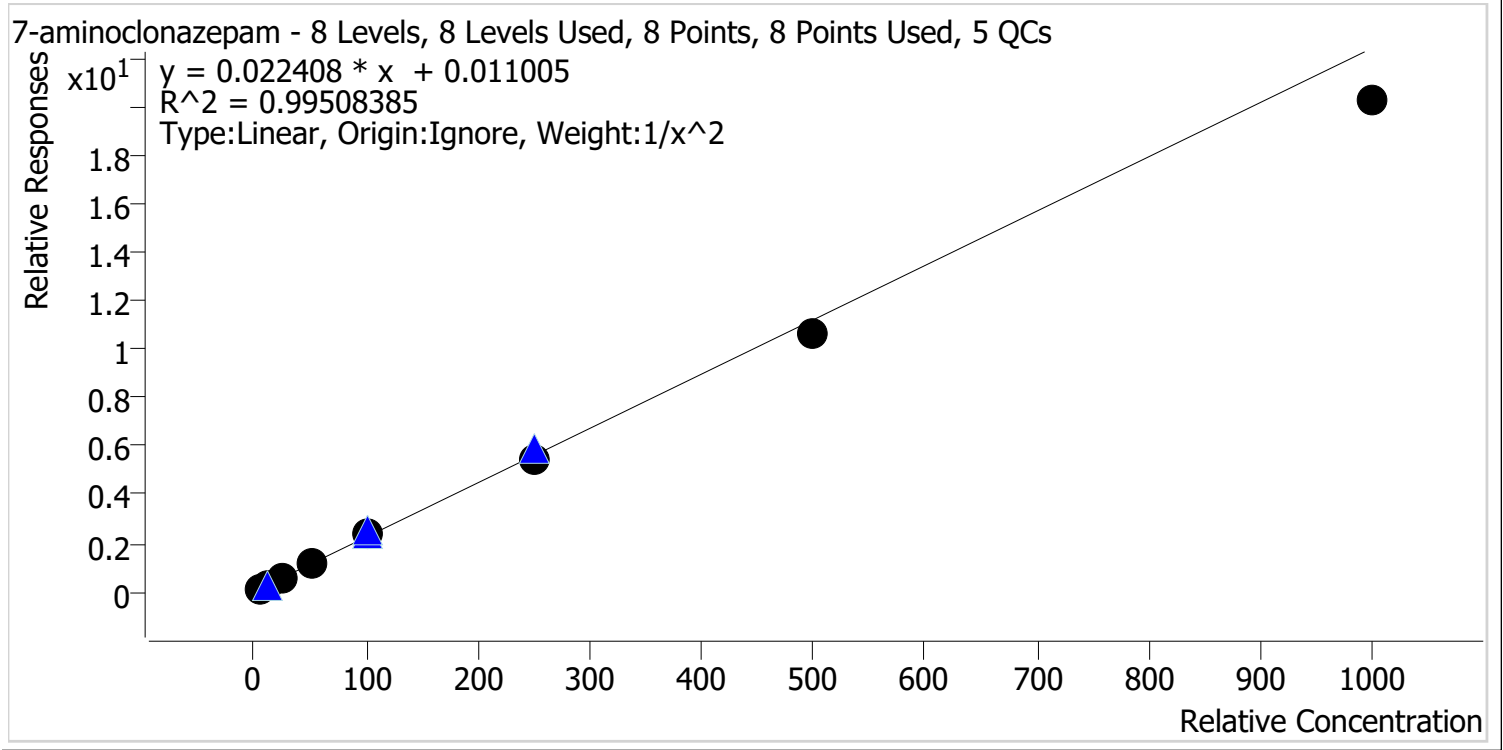


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.0
p1 Cal 2-10ng	2	✓	1.0	1.0	98.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.9
p1 Cal 4-50ng	4	✓	5.0	4.9	98.0
p1 Cal 5-100ng	5	✓	10.0	9.9	99.0
p1 Cal 6-250ng	6	✓	25.0	25.0	99.9
p1 Cal 7-500ng	7	✓	50.0	52.4	104.7
p1 Cal 8-1000ng	8	✓	100.0	103.1	103.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

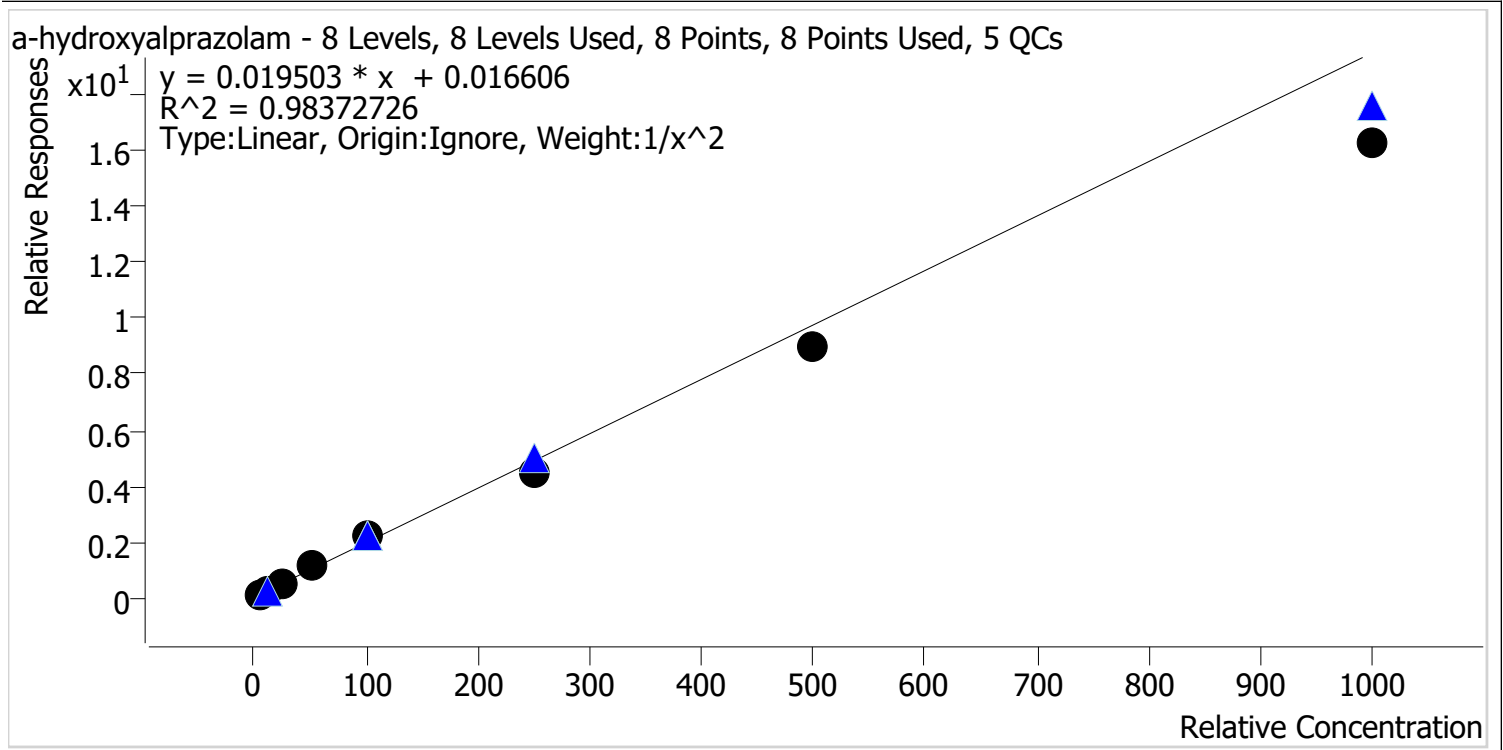


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	109.0	109.0
p1 Cal 6-250ng	6	✓	250.0	244.6	97.8
p1 Cal 7-500ng	7	✓	500.0	476.5	95.3
p1 Cal 8-1000ng	8	✓	1000.0	903.5	90.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

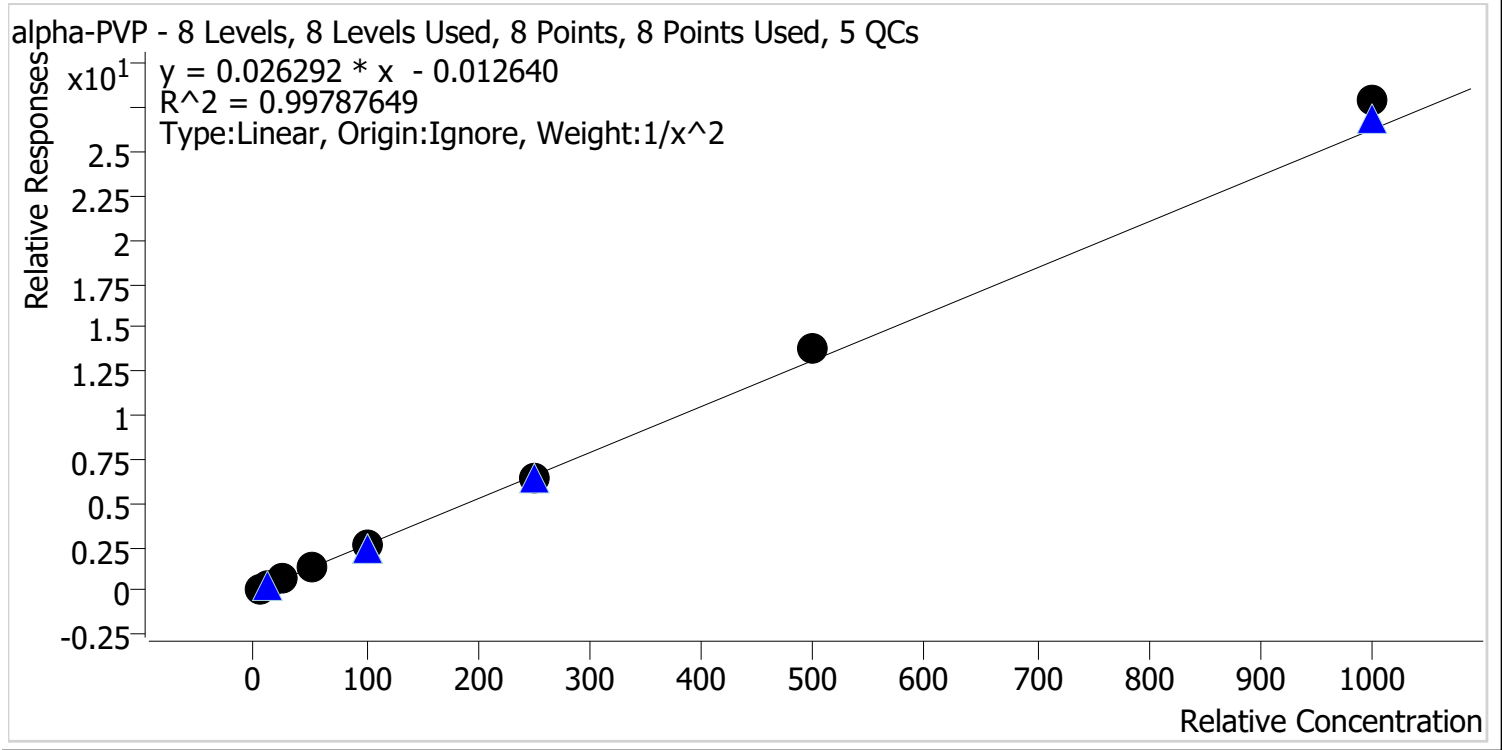


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.2
p1 Cal 4-50ng	4	✓	50.0	57.4	114.8
p1 Cal 5-100ng	5	✓	100.0	112.0	112.0
p1 Cal 6-250ng	6	✓	250.0	230.3	92.1
p1 Cal 7-500ng	7	✓	500.0	458.4	91.7
p1 Cal 8-1000ng	8	✓	1000.0	832.6	83.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-D8

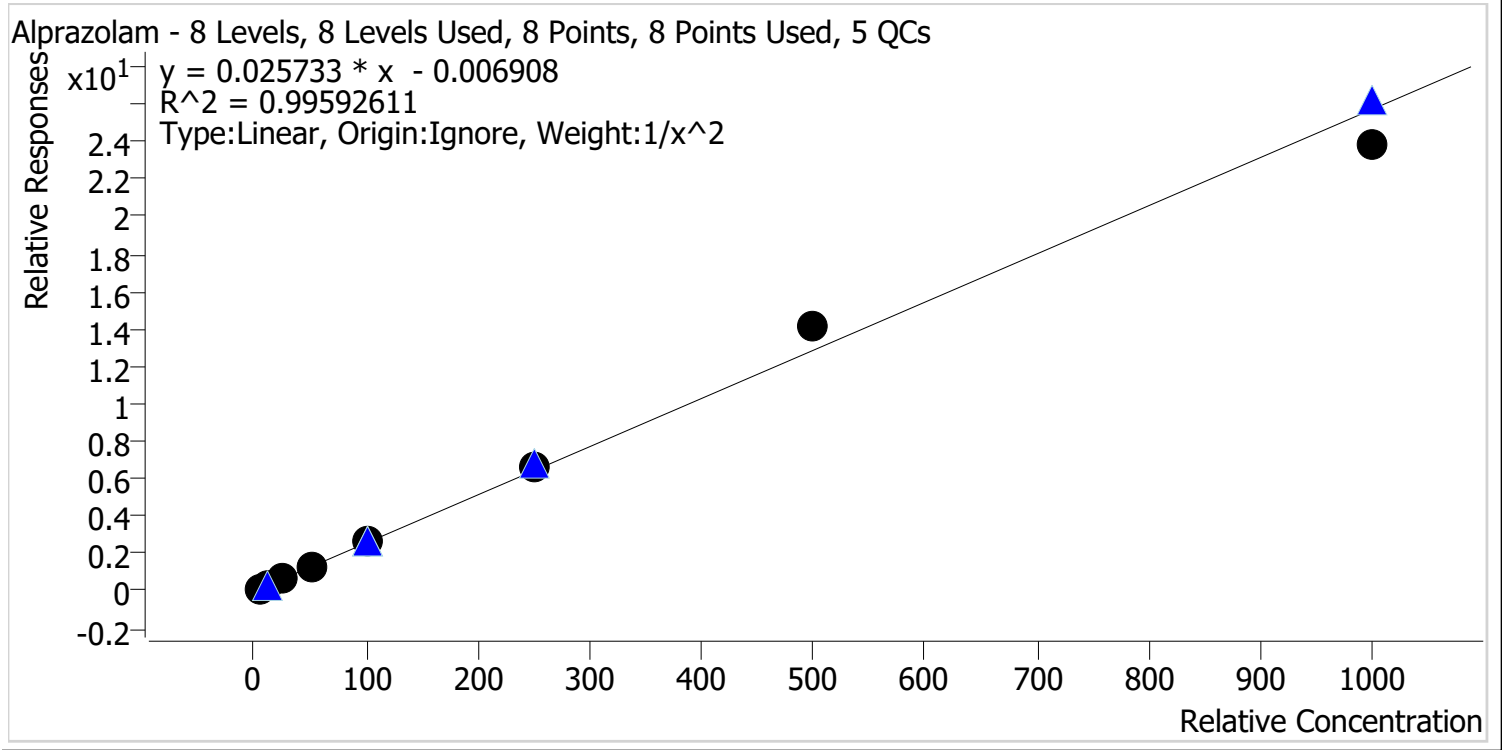


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	48.0	95.9
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	524.1	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1062.7	106.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5



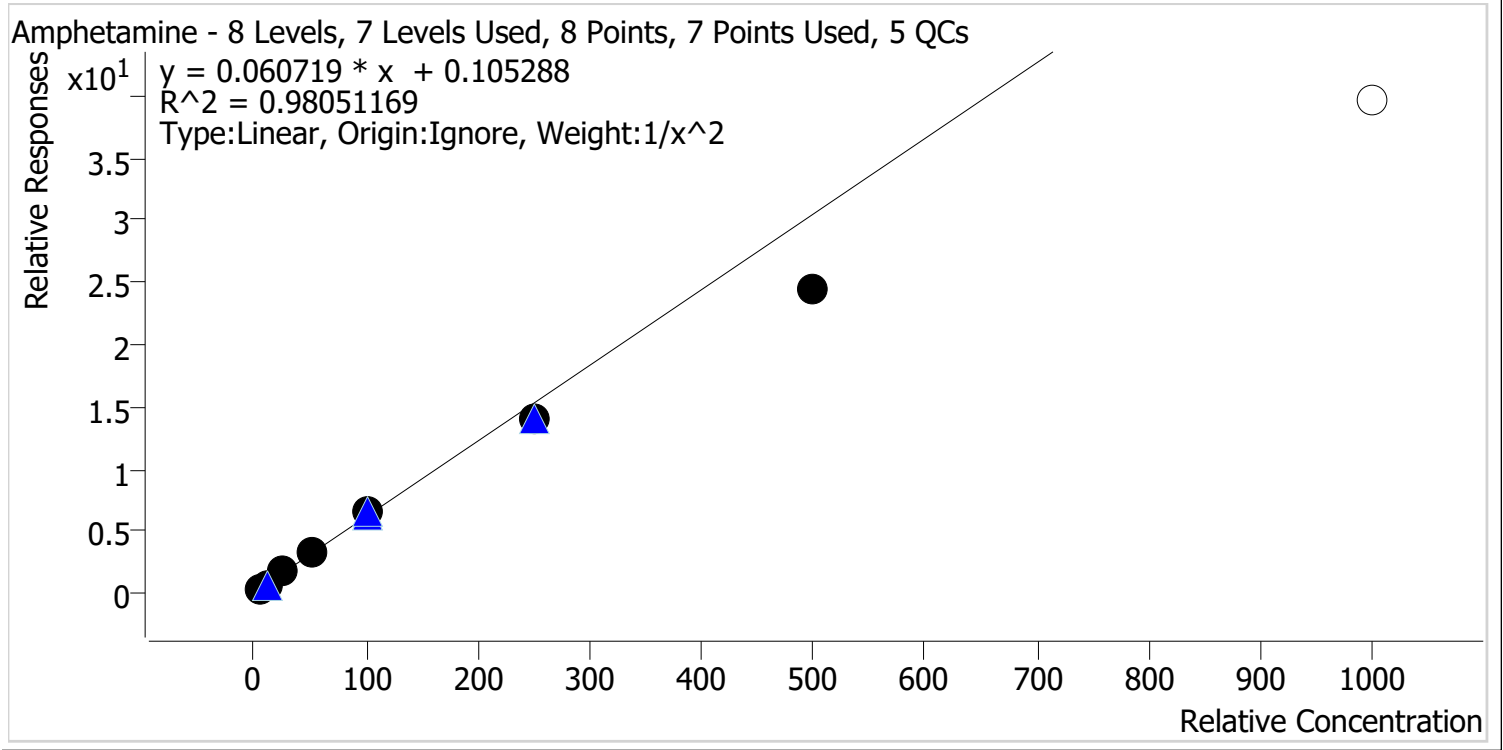
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.5	94.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	256.4	102.6
p1 Cal 7-500ng	7	✓	500.0	550.7	110.1
p1 Cal 8-1000ng	8	✓	1000.0	927.0	92.7

9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11



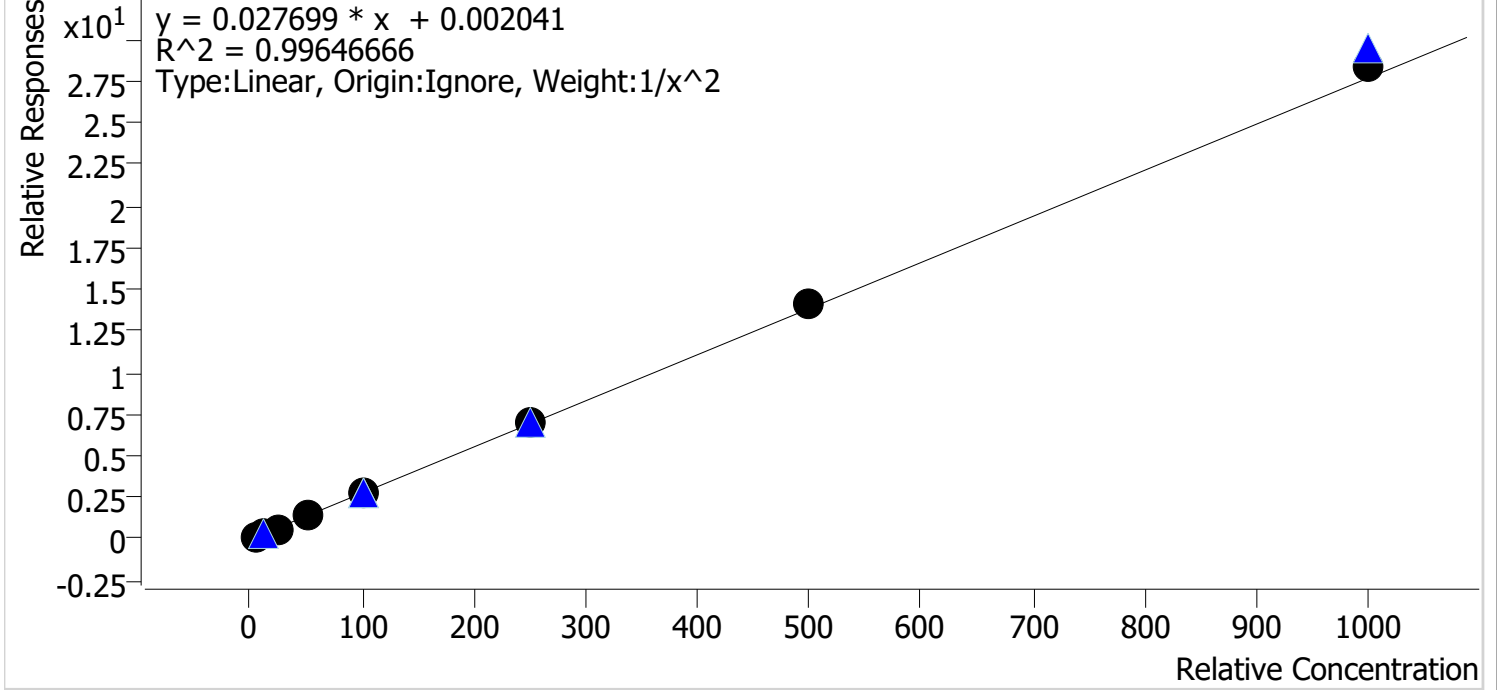
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.6
p1 Cal 2-10ng	2	✓	10.0	10.6	105.6
p1 Cal 3 -25ng	3	✓	25.0	28.3	113.4
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	228.9	91.6
p1 Cal 7-500ng	7	✓	500.0	400.3	80.1
p1 Cal 8-1000ng	8	✗	1000.0	650.0	65.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

Benzoylecgonine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

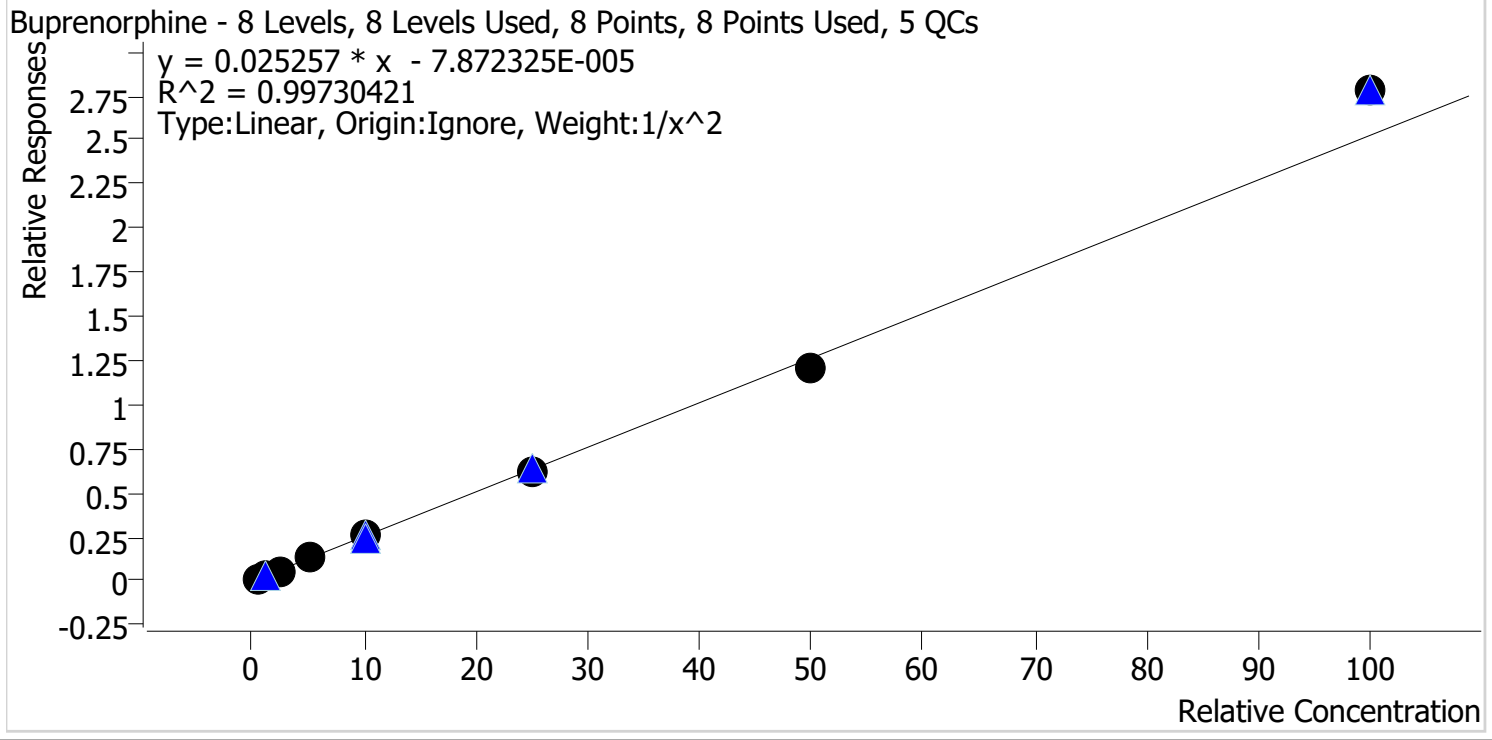


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2-10ng	2	✓	10.0	9.5	94.5
p1 Cal 3 -25ng	3	✓	25.0	22.4	89.7
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1028.5	102.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

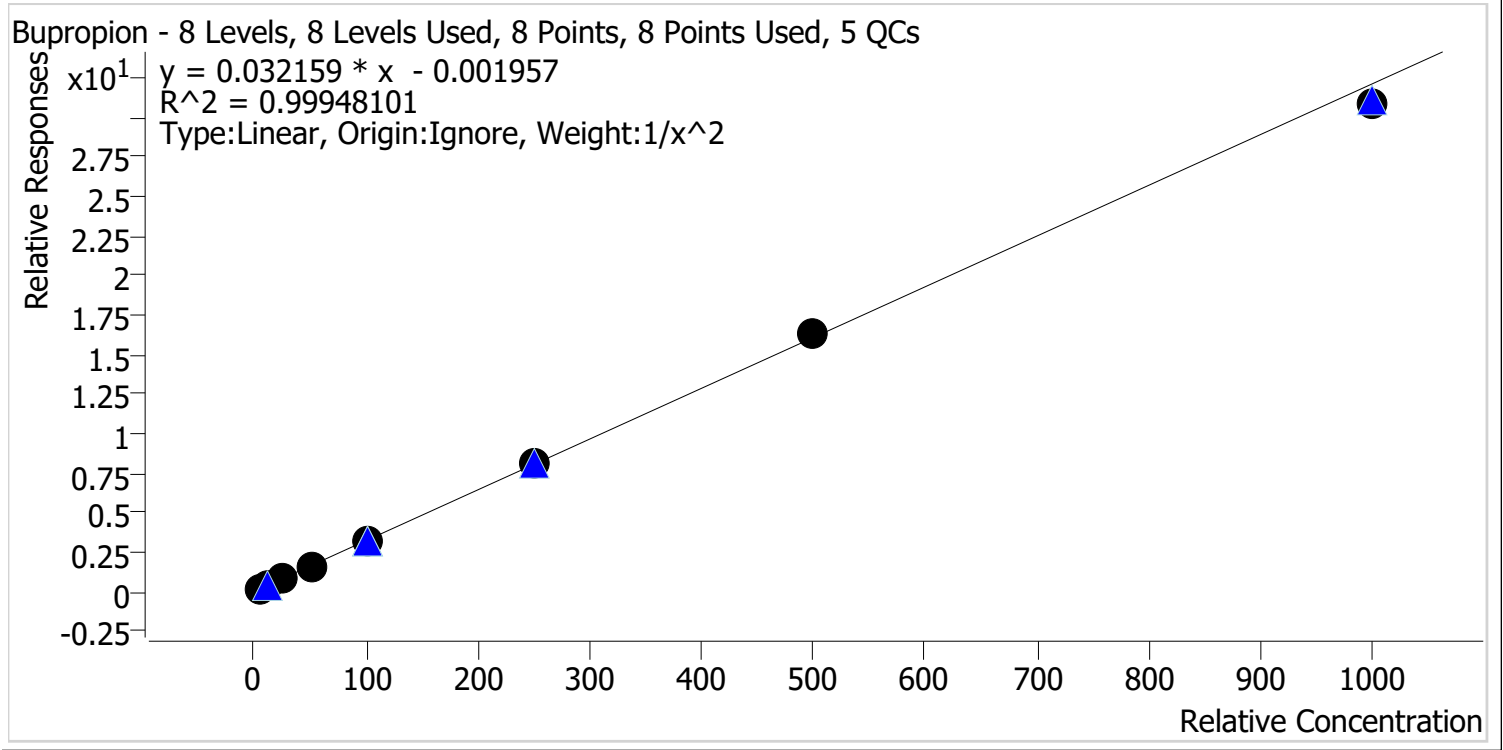


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.1
p1 Cal 2-10ng	2	✓	1.0	1.0	99.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.0
p1 Cal 4-50ng	4	✓	5.0	5.0	99.5
p1 Cal 5-100ng	5	✓	10.0	10.1	100.7
p1 Cal 6-250ng	6	✓	25.0	24.2	97.0
p1 Cal 7-500ng	7	✓	50.0	48.1	96.2
p1 Cal 8-1000ng	8	✓	100.0	110.0	110.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



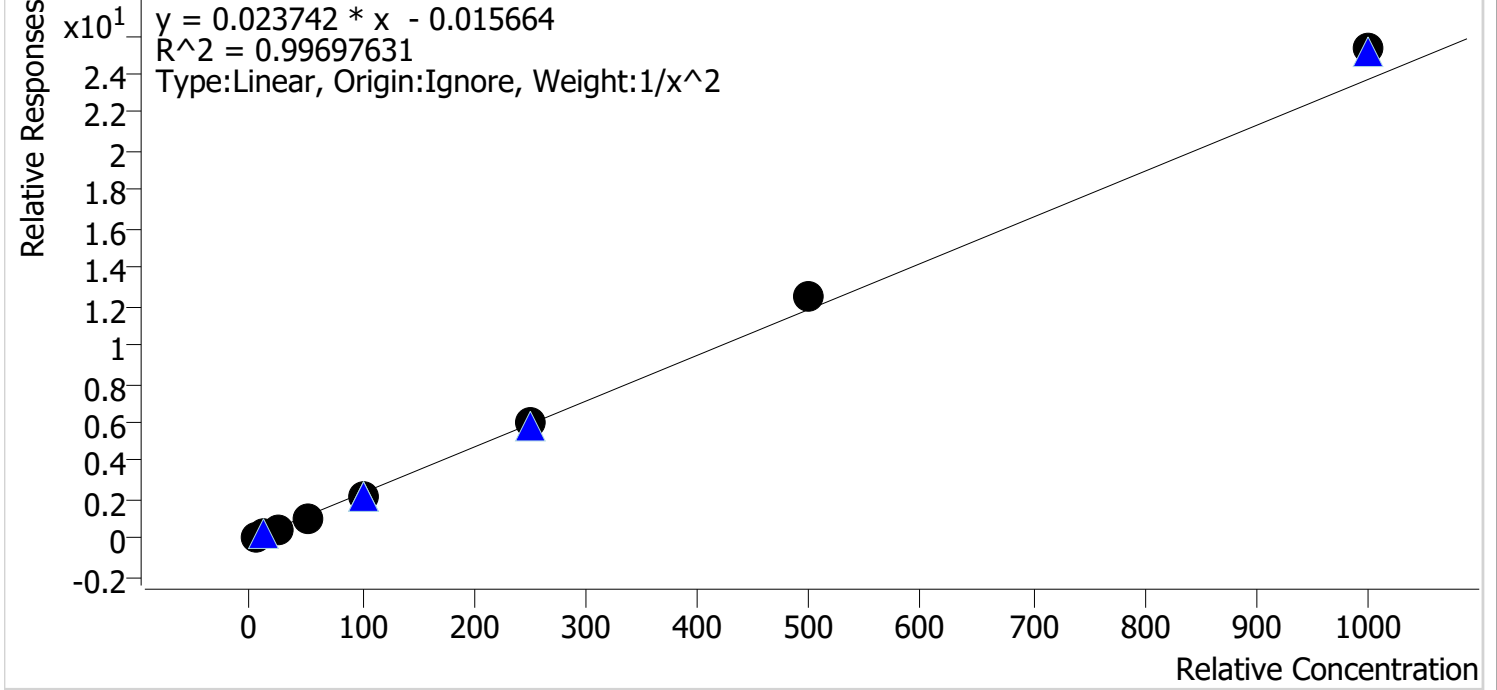
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	509.0	101.8
p1 Cal 8-1000ng	8	✓	1000.0	964.4	96.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

Carisoprodol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

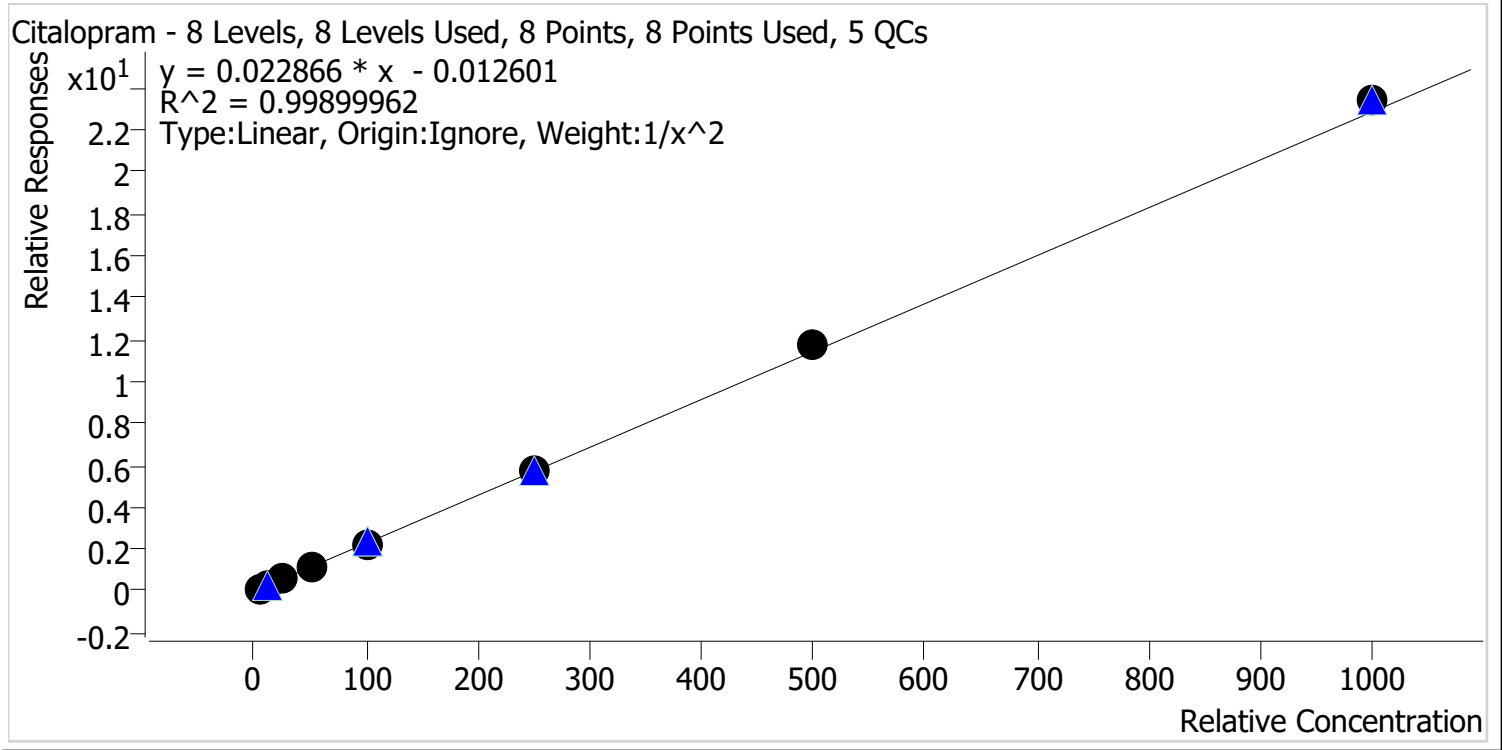


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	47.2	94.4
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	527.6	105.5
p1 Cal 8-1000ng	8	✓	1000.0	1067.0	106.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

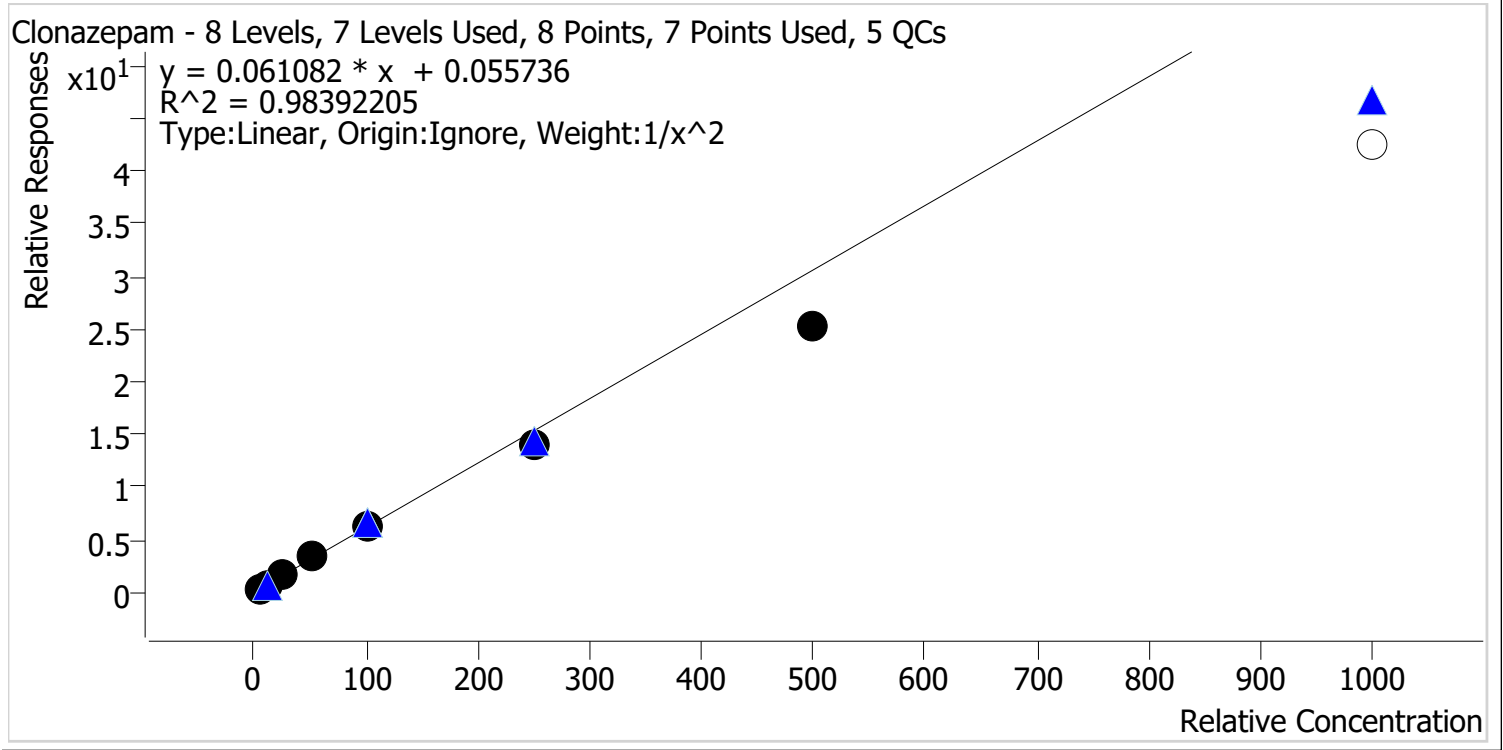


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	517.9	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1023.0	102.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



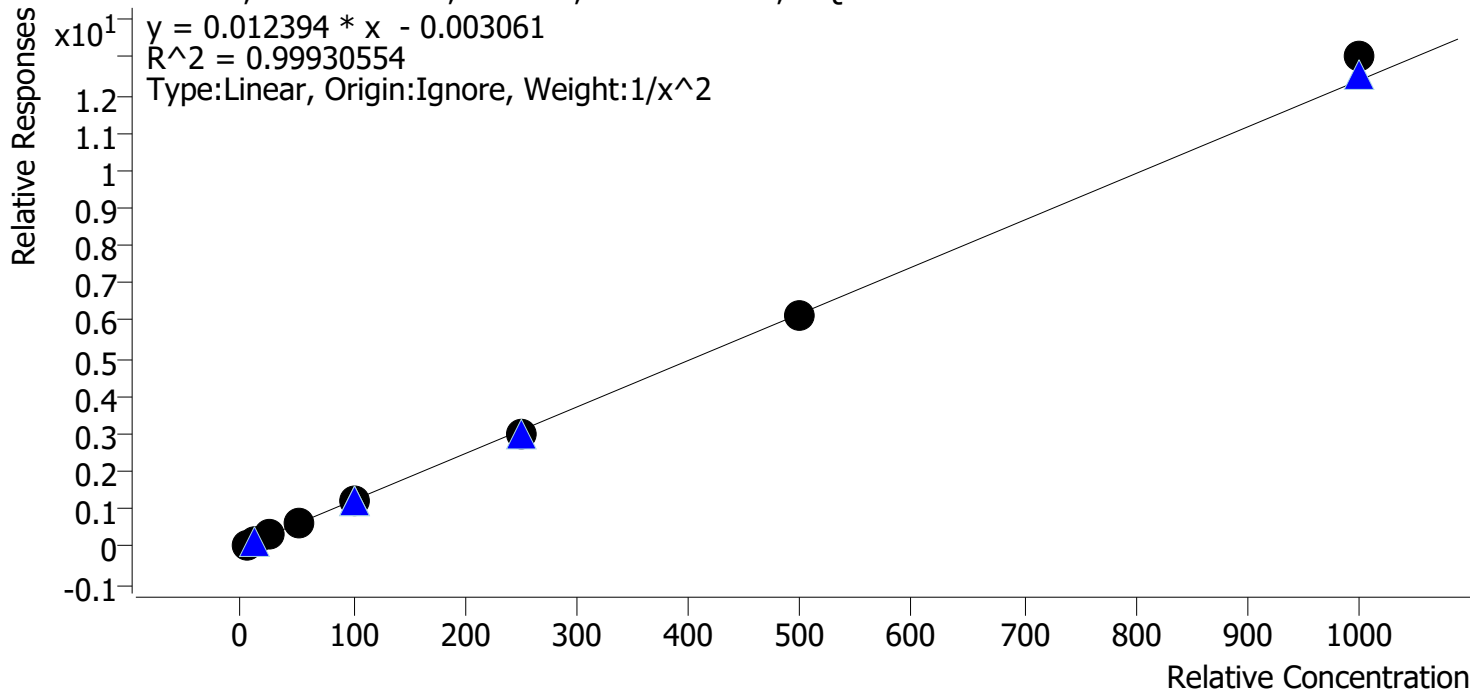
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.4
p1 Cal 4-50ng	4	✓	50.0	57.4	114.7
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	228.5	91.4
p1 Cal 7-500ng	7	✓	500.0	414.7	82.9
p1 Cal 8-1000ng	8	✗	1000.0	695.7	69.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-D3

Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

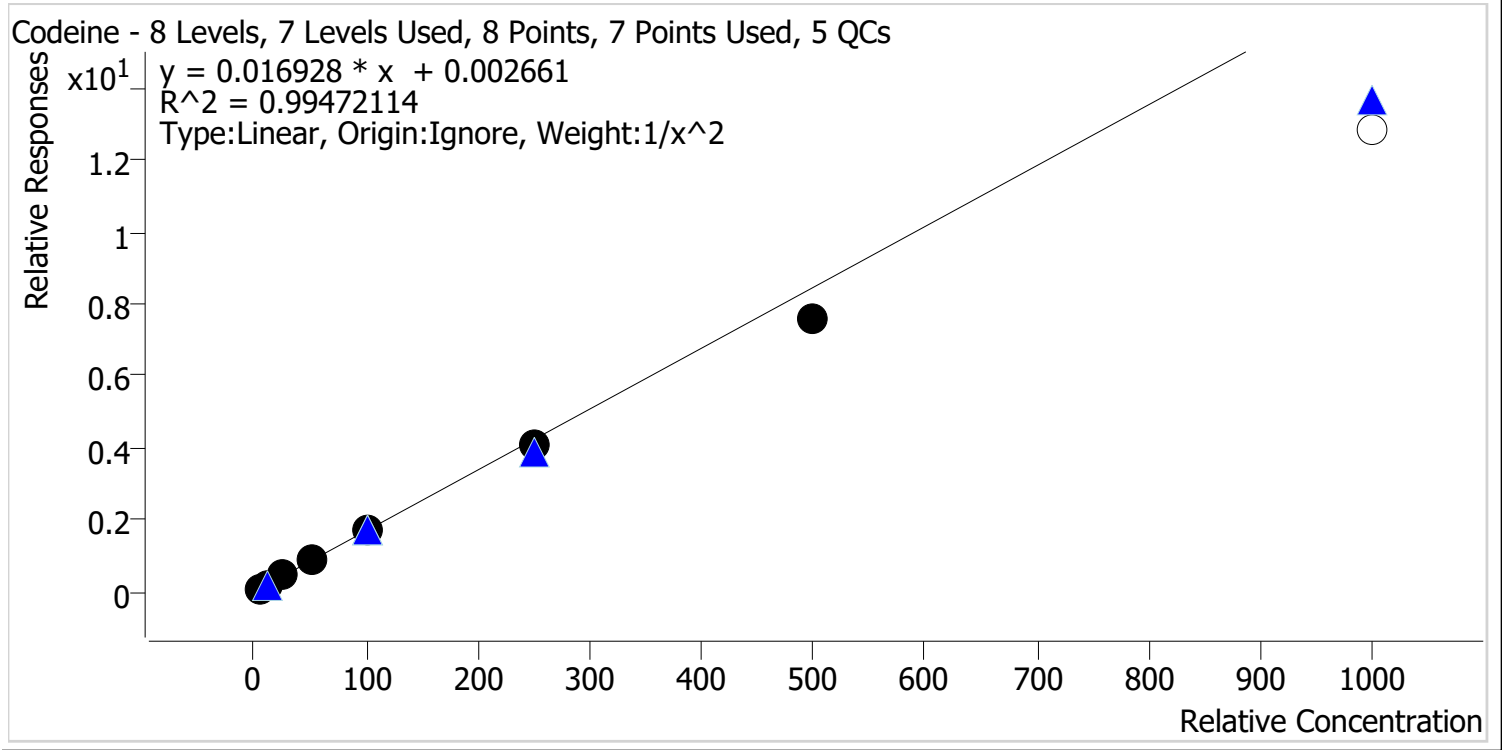


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	499.9	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1050.8	105.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

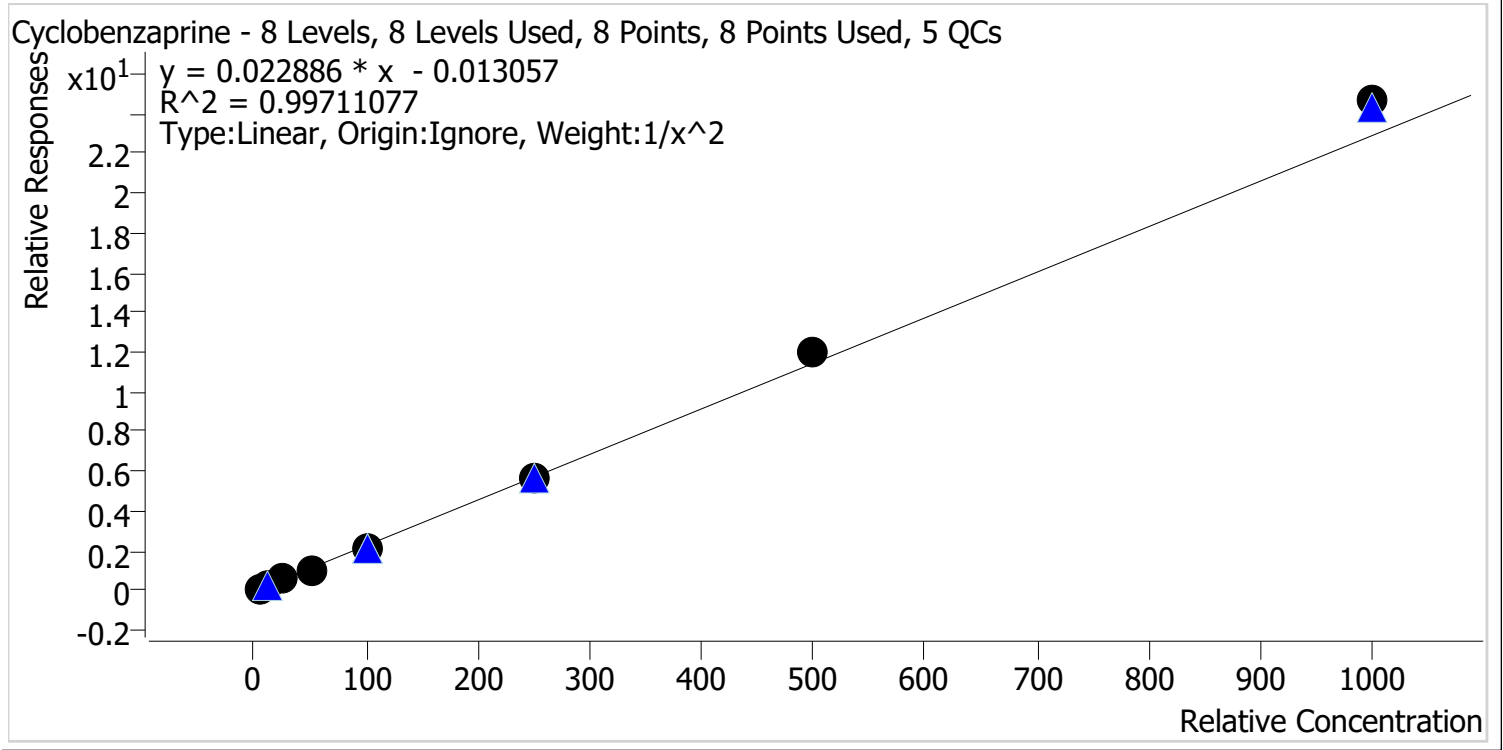


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.7
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	241.4	96.6
p1 Cal 7-500ng	7	✓	500.0	448.6	89.7
p1 Cal 8-1000ng	8	✗	1000.0	761.2	76.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



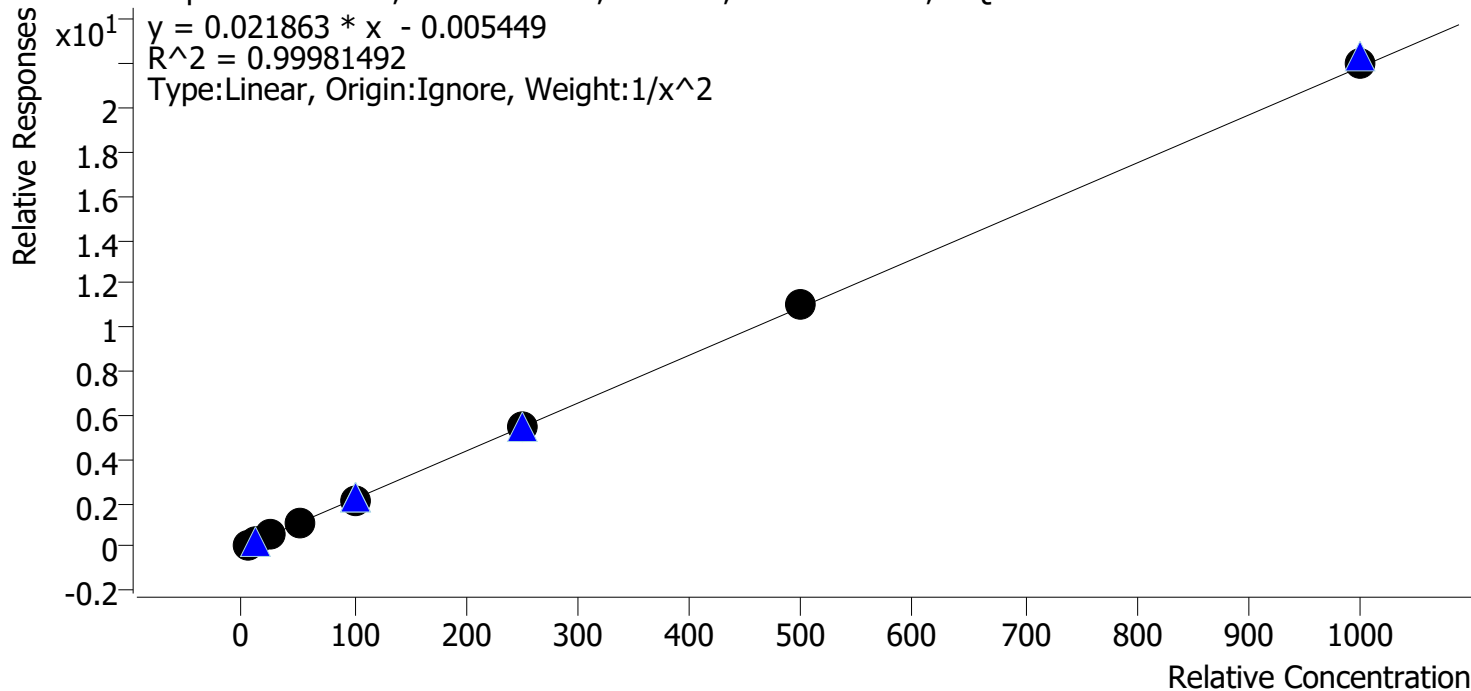
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	47.8	95.7
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	522.4	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1076.8	107.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

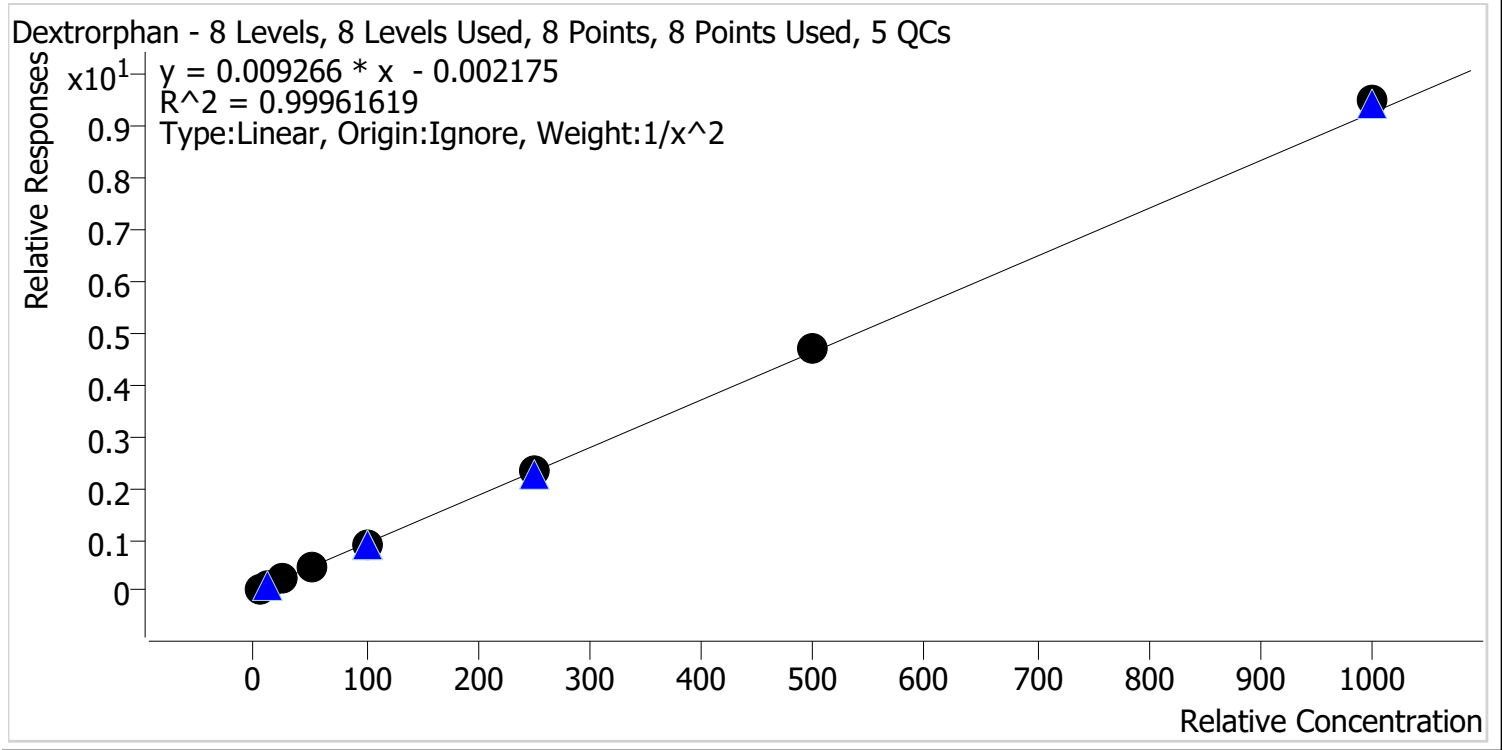


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.0	99.9
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	506.4	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1011.2	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Dextrophan Internal Standard Dextrophan-D3

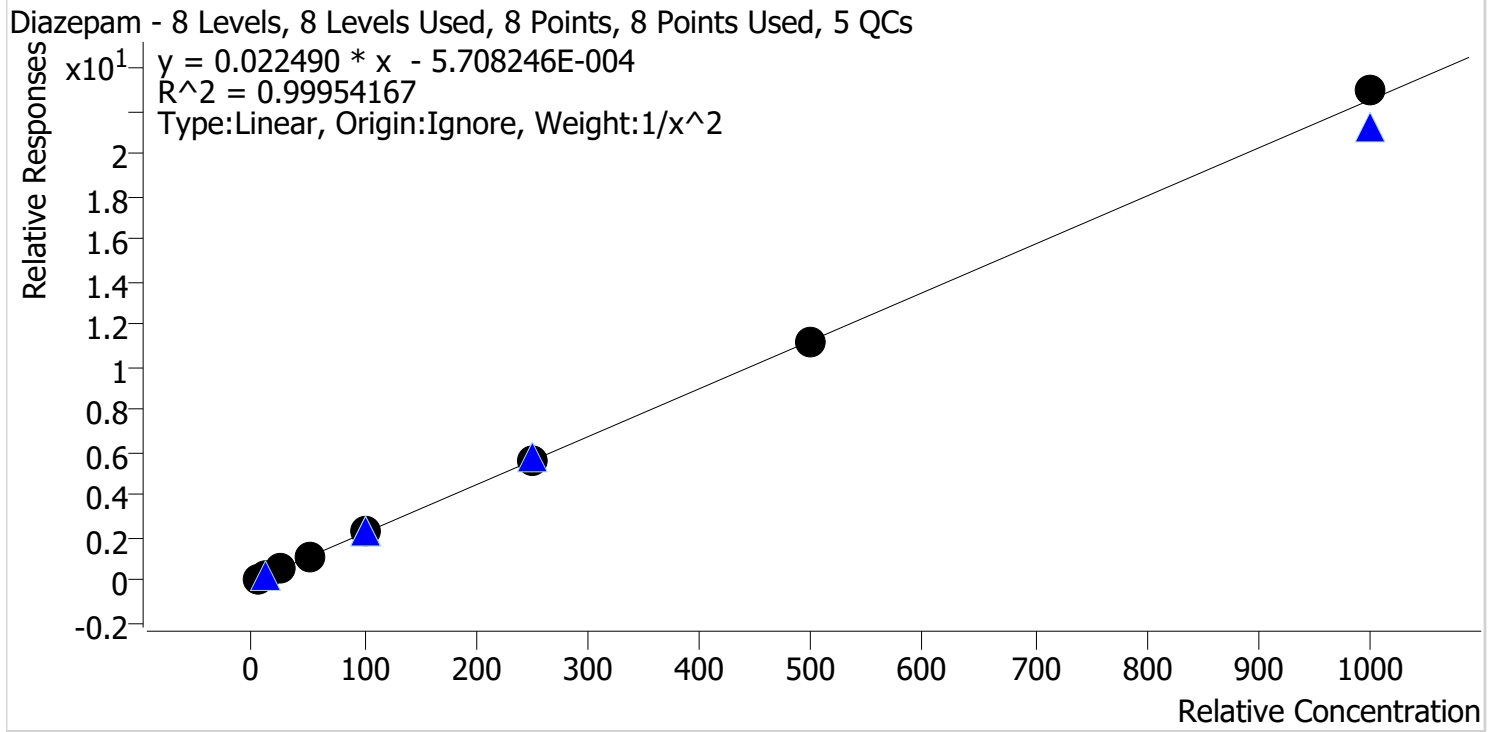


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	504.8	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1025.6	102.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

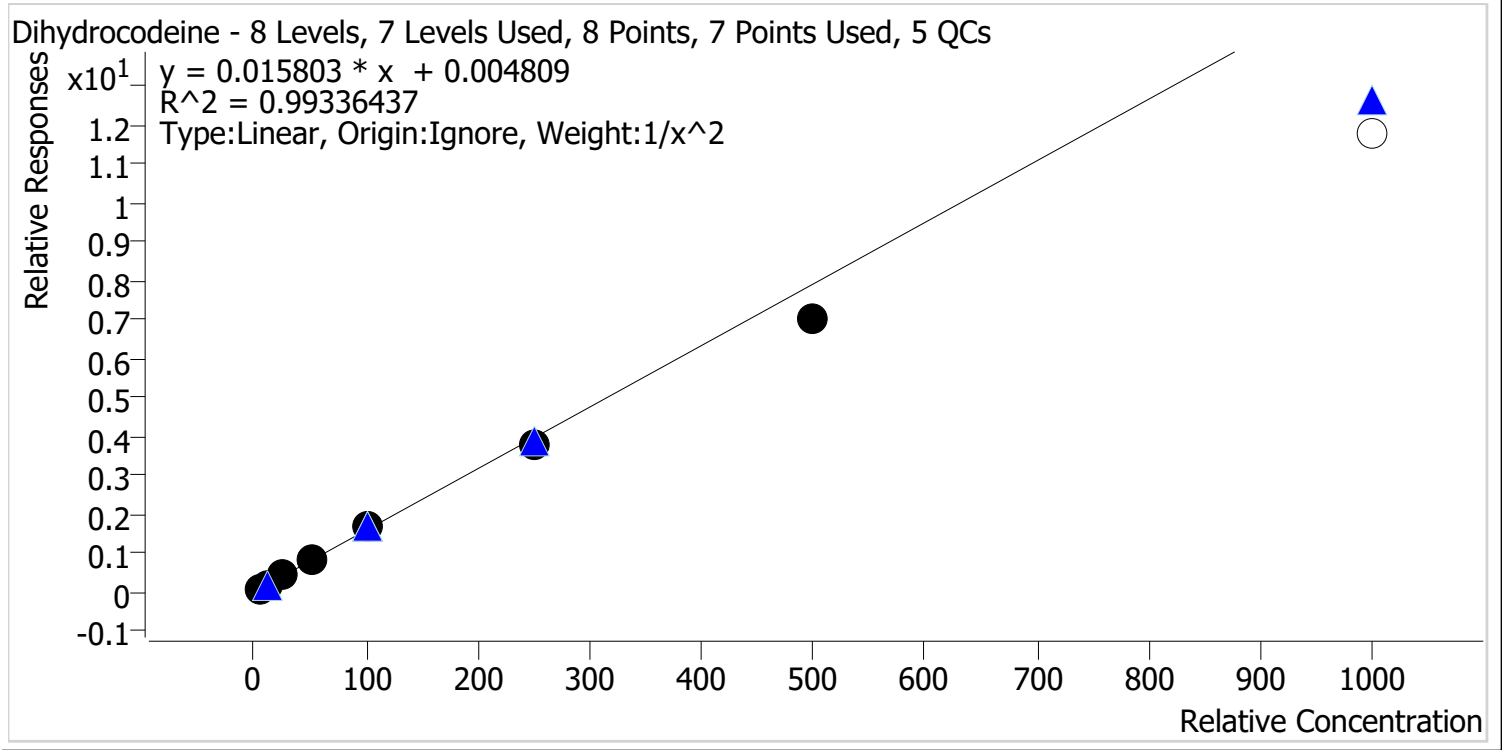


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	48.3	96.7
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	495.6	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1019.4	101.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

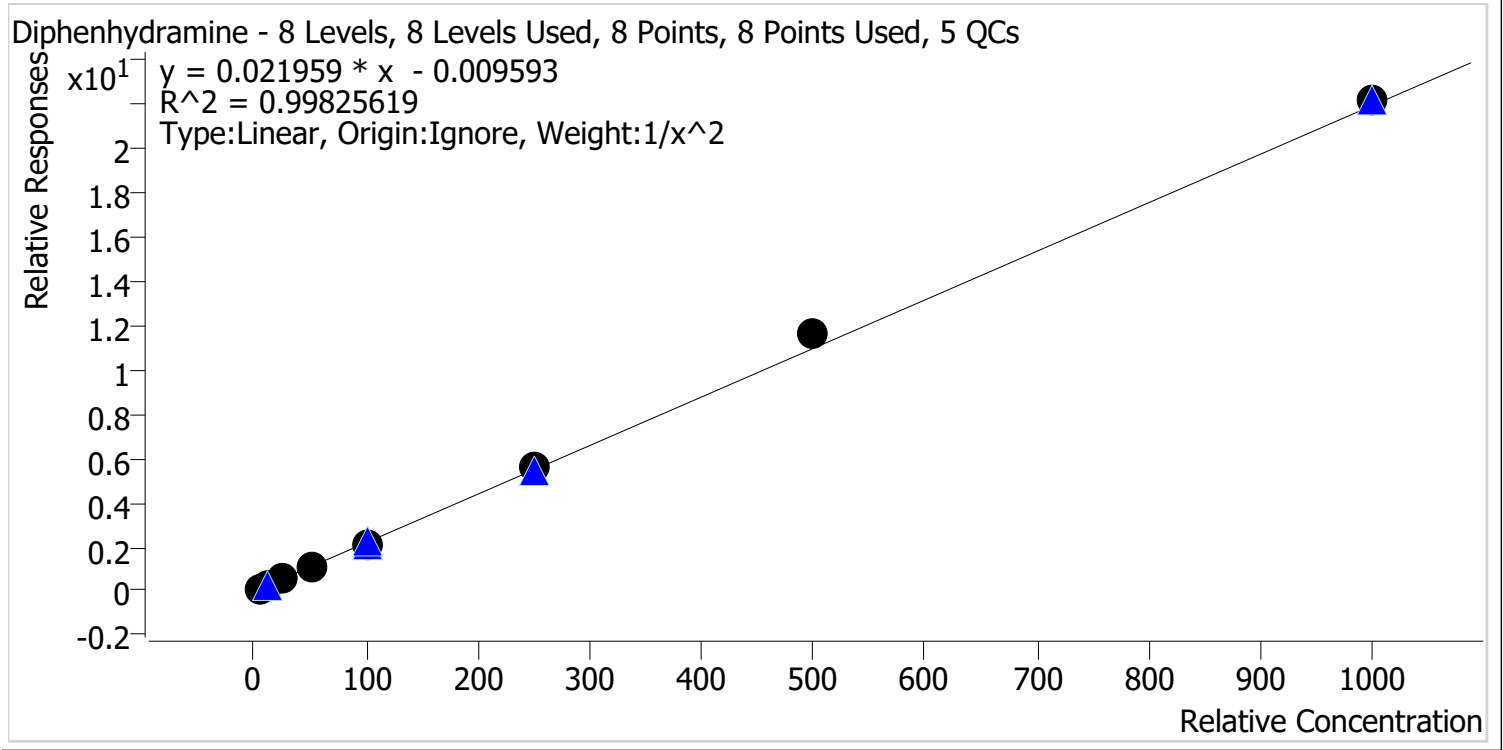


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	238.6	95.4
p1 Cal 7-500ng	7	✓	500.0	444.8	89.0
p1 Cal 8-1000ng	8	✗	1000.0	742.0	74.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

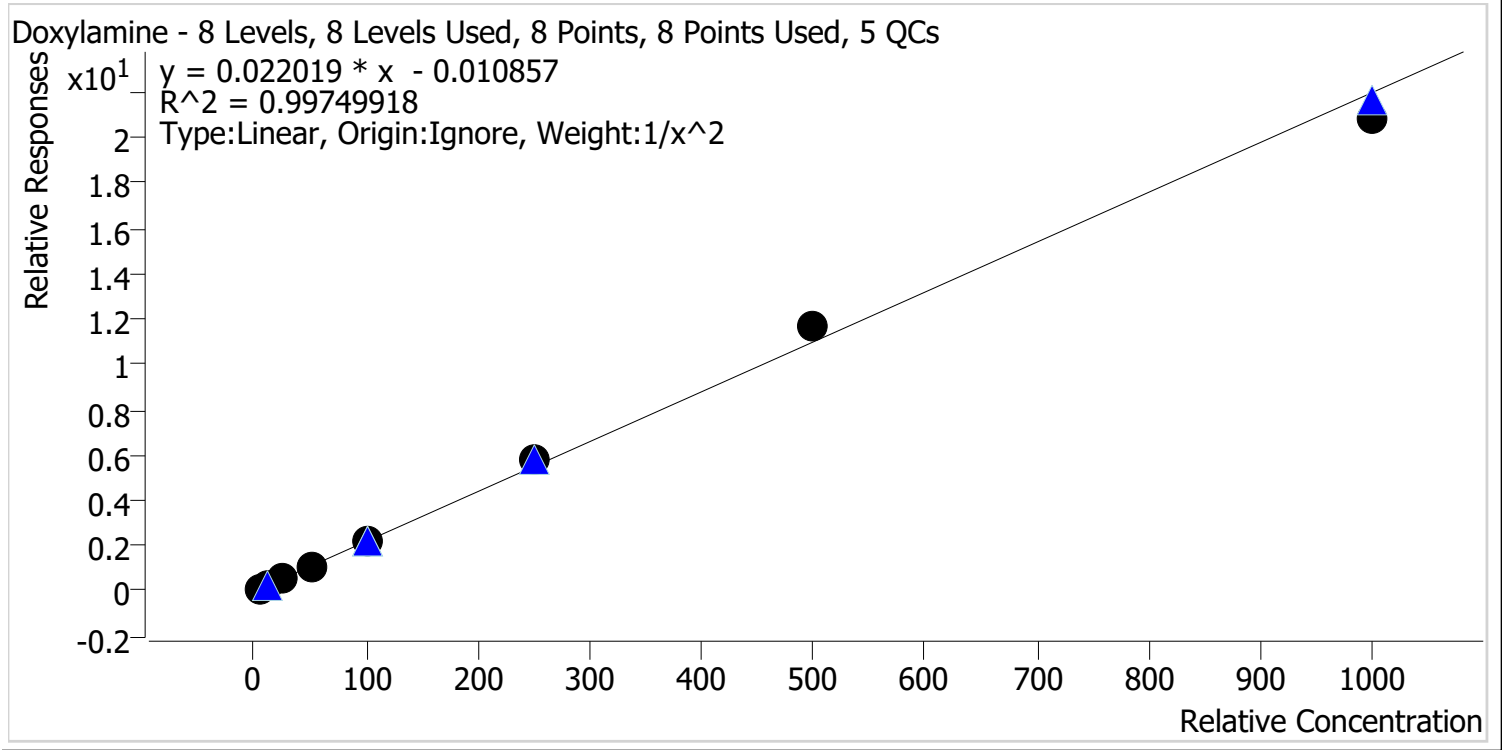


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	47.9	95.9
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	532.4	106.5
p1 Cal 8-1000ng	8	✓	1000.0	1010.4	101.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

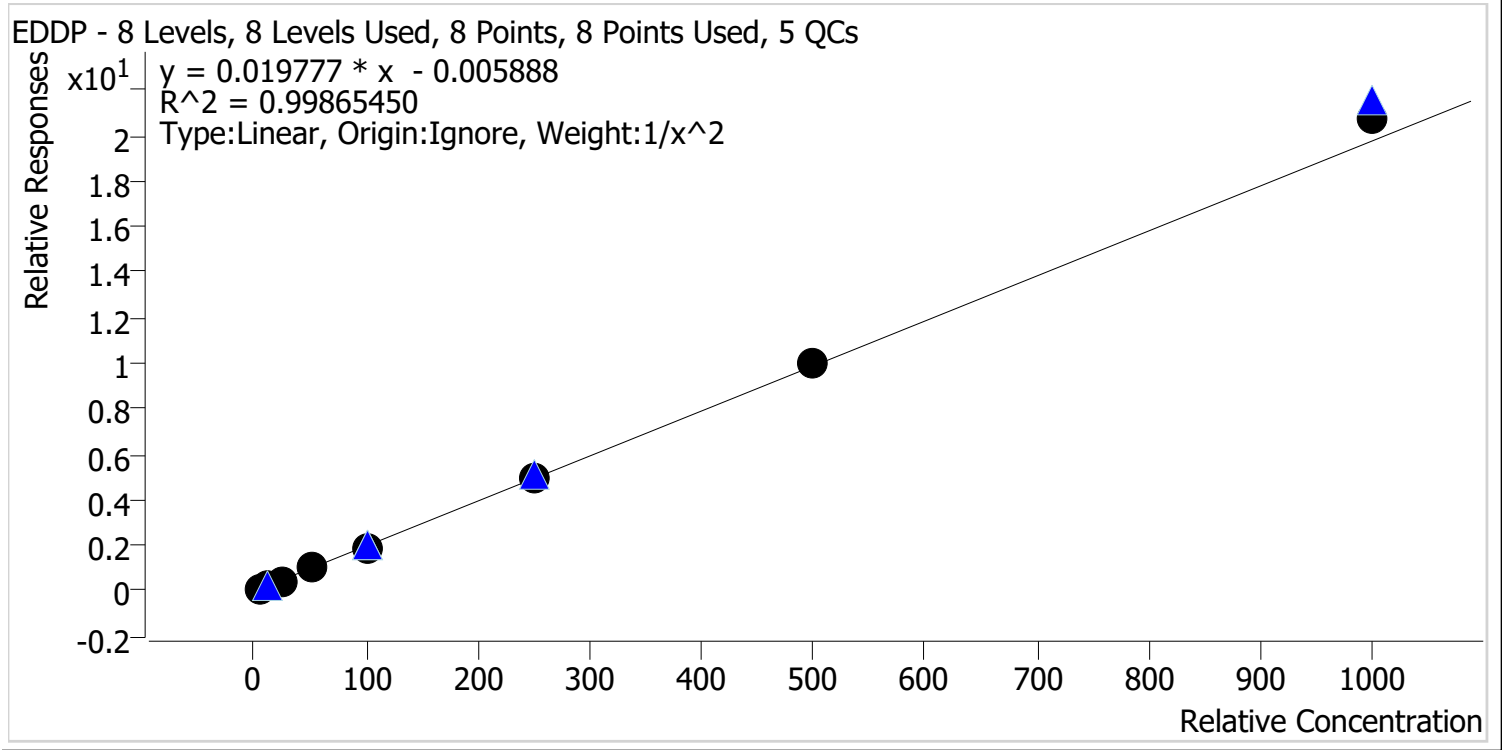


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	49.0	98.1
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	263.0	105.2
p1 Cal 7-500ng	7	✓	500.0	534.6	106.9
p1 Cal 8-1000ng	8	✓	1000.0	947.1	94.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

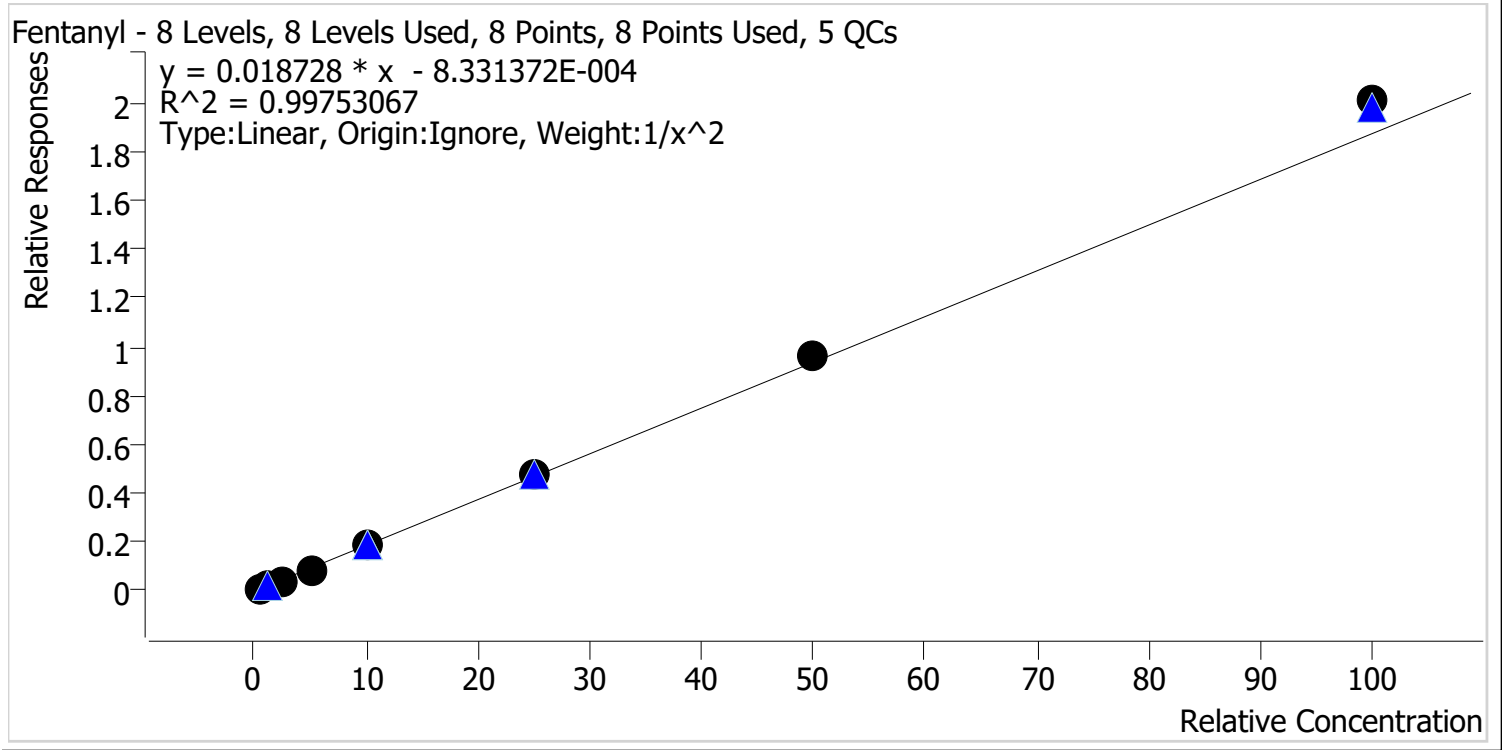


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	509.7	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1053.5	105.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

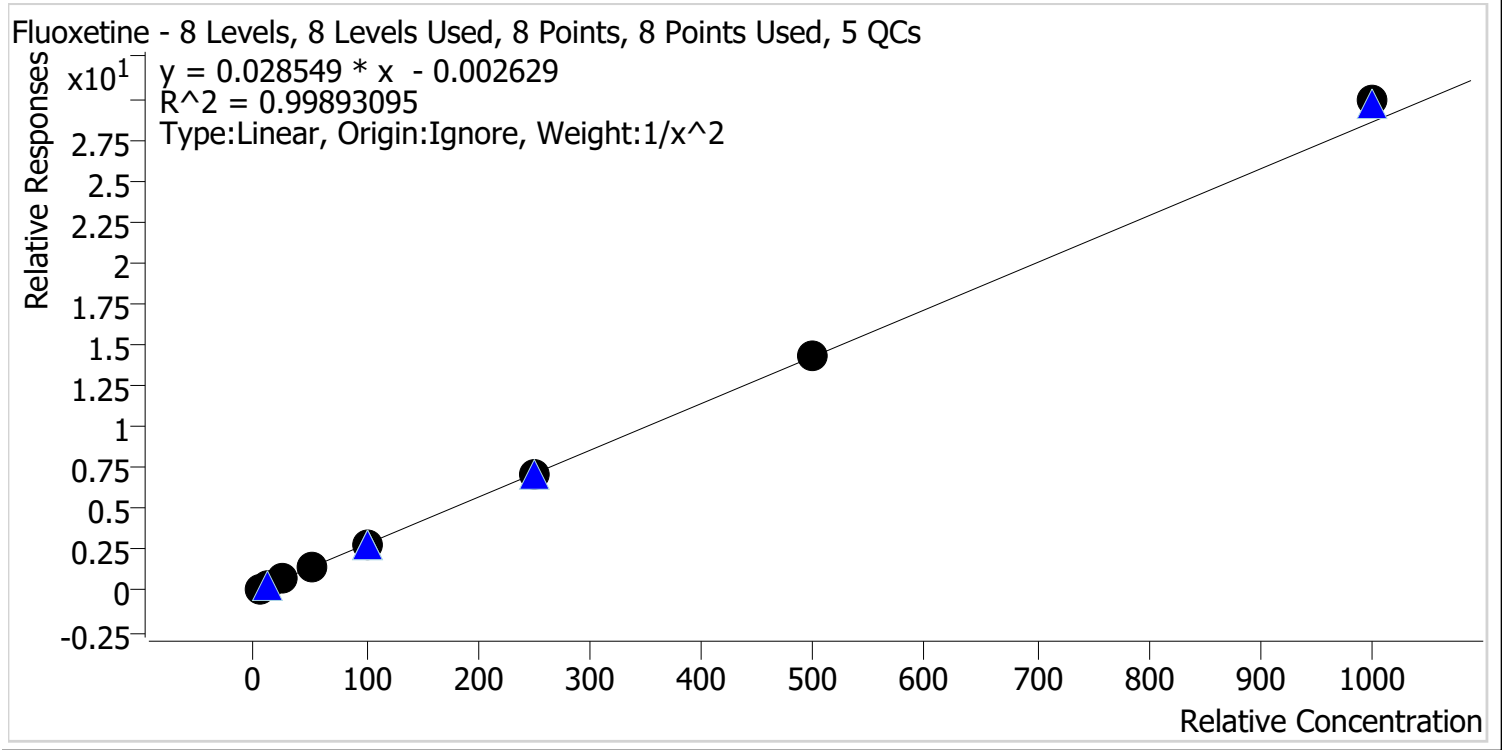


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.4
p1 Cal 2-10ng	2	✓	1.0	1.0	95.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.8
p1 Cal 4-50ng	4	✓	5.0	4.8	95.0
p1 Cal 5-100ng	5	✓	10.0	10.0	100.0
p1 Cal 6-250ng	6	✓	25.0	25.2	100.6
p1 Cal 7-500ng	7	✓	50.0	51.1	102.2
p1 Cal 8-1000ng	8	✓	100.0	107.2	107.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

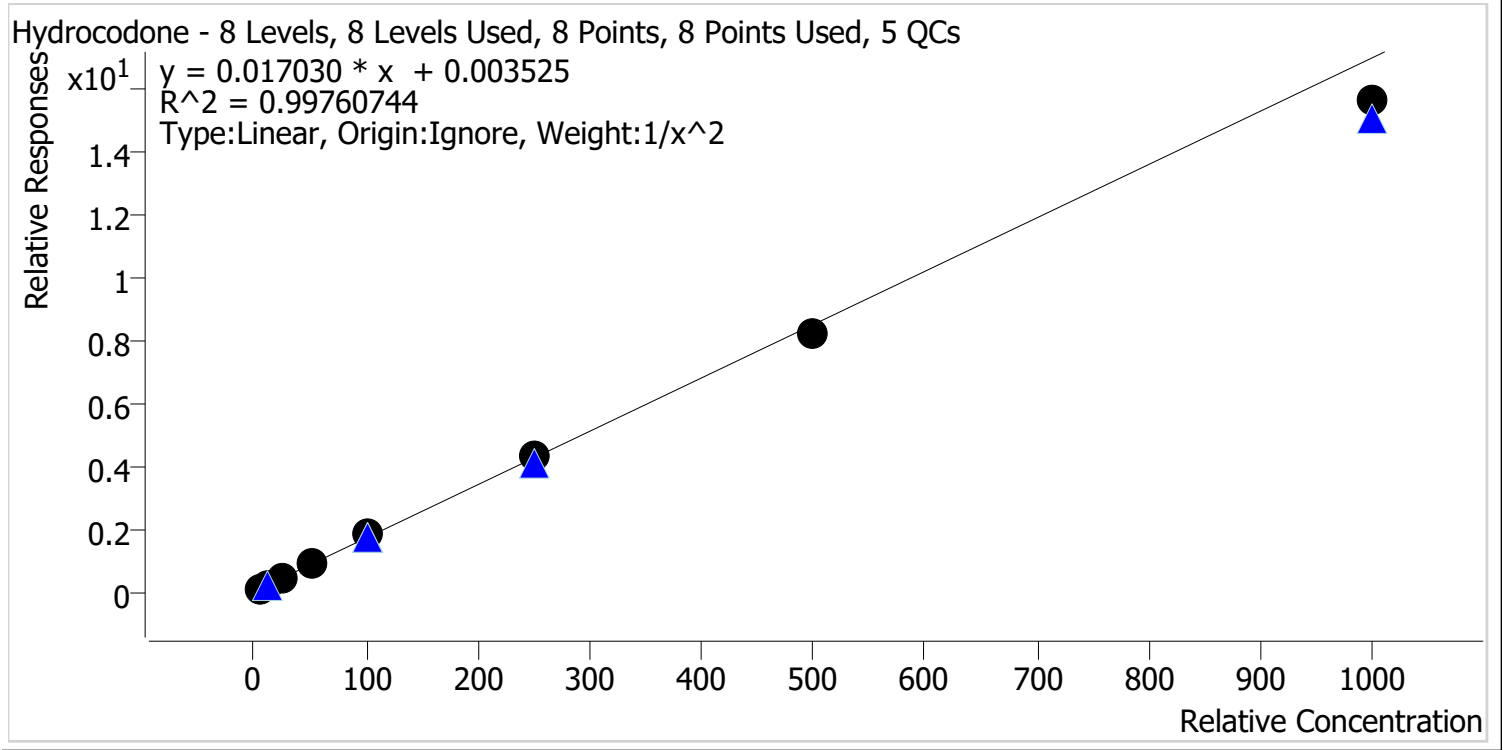


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	502.9	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1045.7	104.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

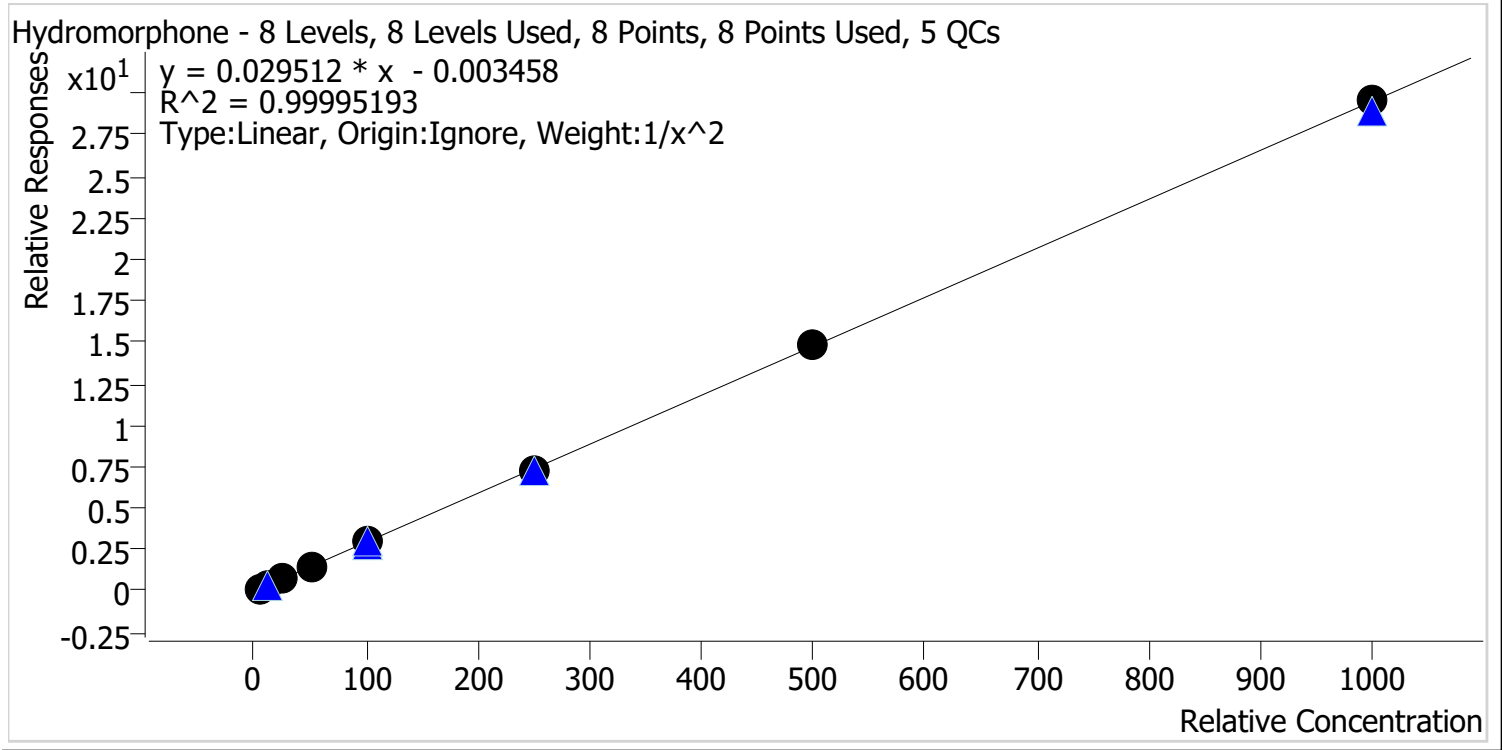


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	482.5	96.5
p1 Cal 8-1000ng	8	✓	1000.0	919.9	92.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

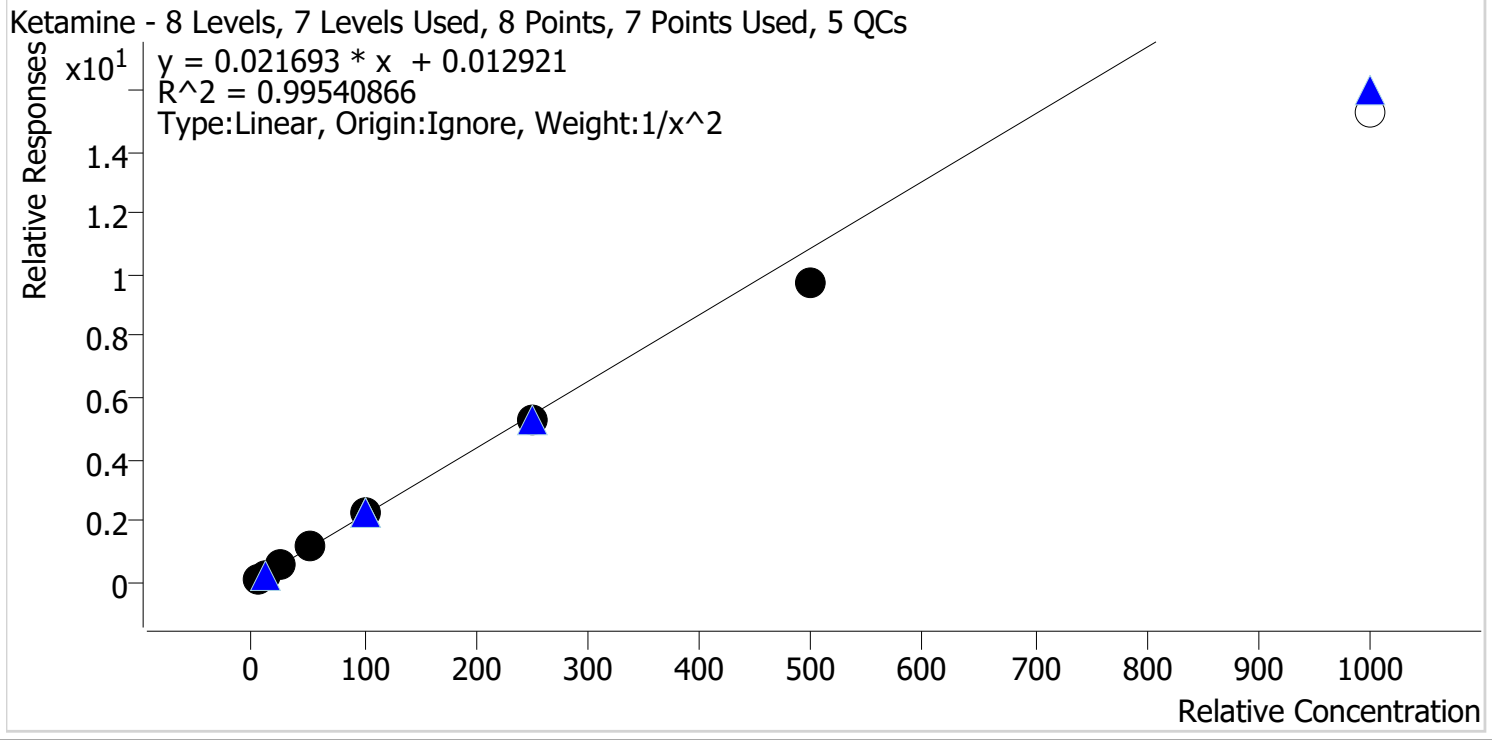


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	500.3	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1001.7	100.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



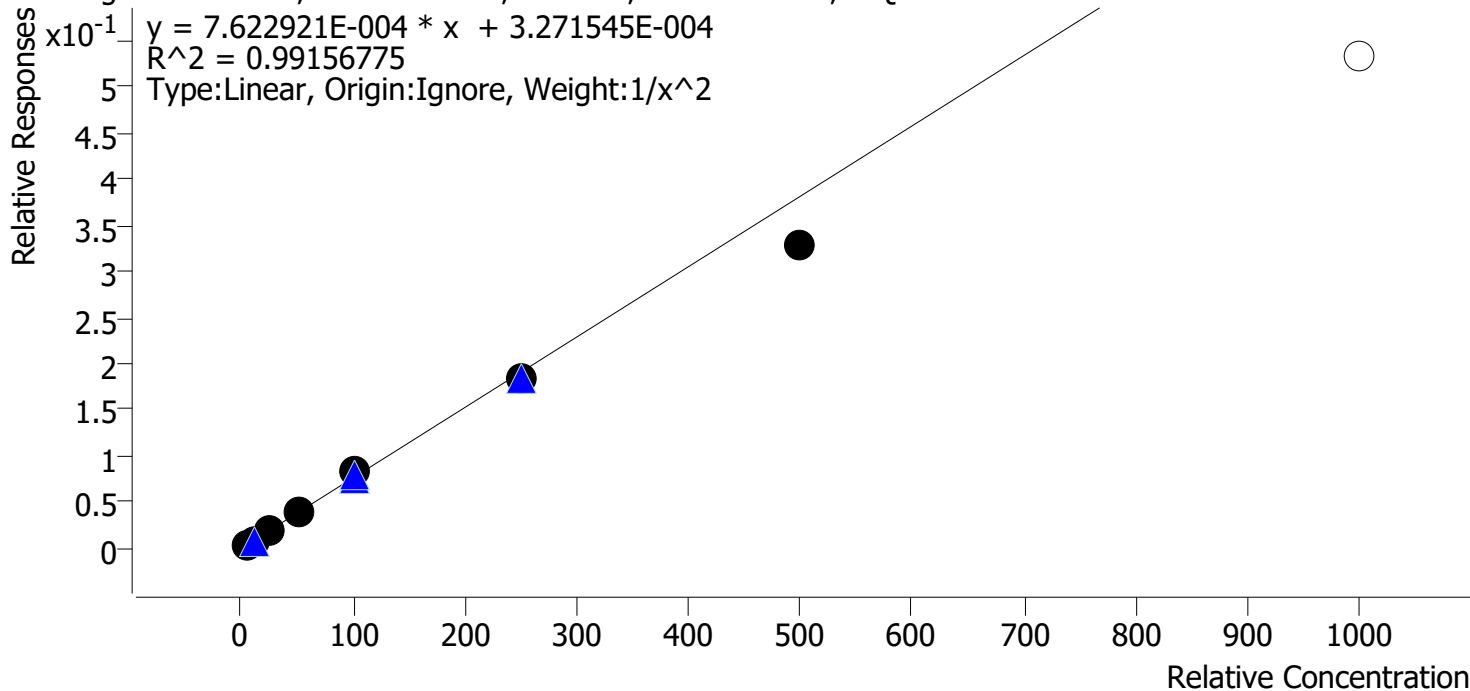
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	243.5	97.4
p1 Cal 7-500ng	7	✓	500.0	447.5	89.5
p1 Cal 8-1000ng	8	✗	1000.0	705.2	70.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Pseudoephedrine-D3

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

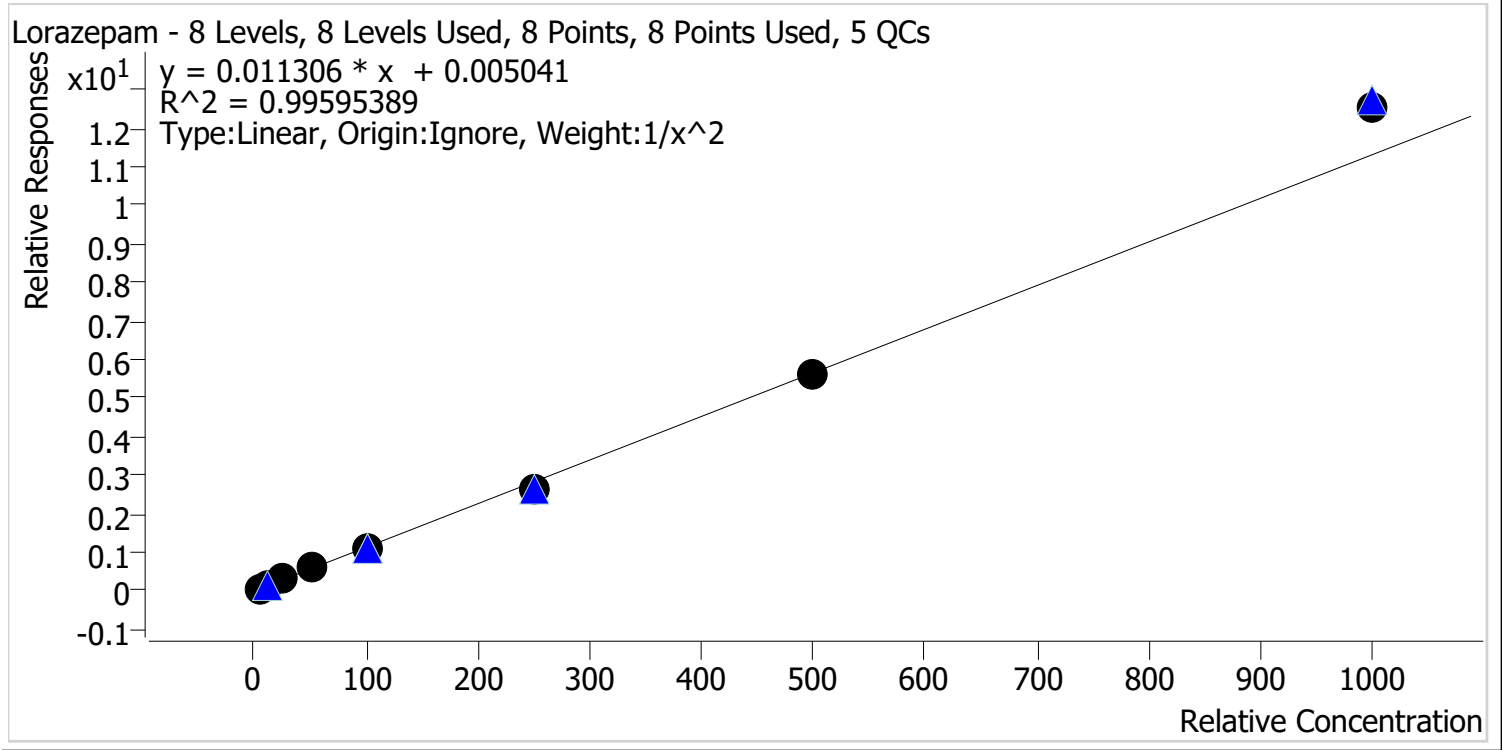


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.1
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	107.2	107.2
p1 Cal 6-250ng	6	✓	250.0	241.0	96.4
p1 Cal 7-500ng	7	✓	500.0	428.4	85.7
p1 Cal 8-1000ng	8	✗	1000.0	698.5	69.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

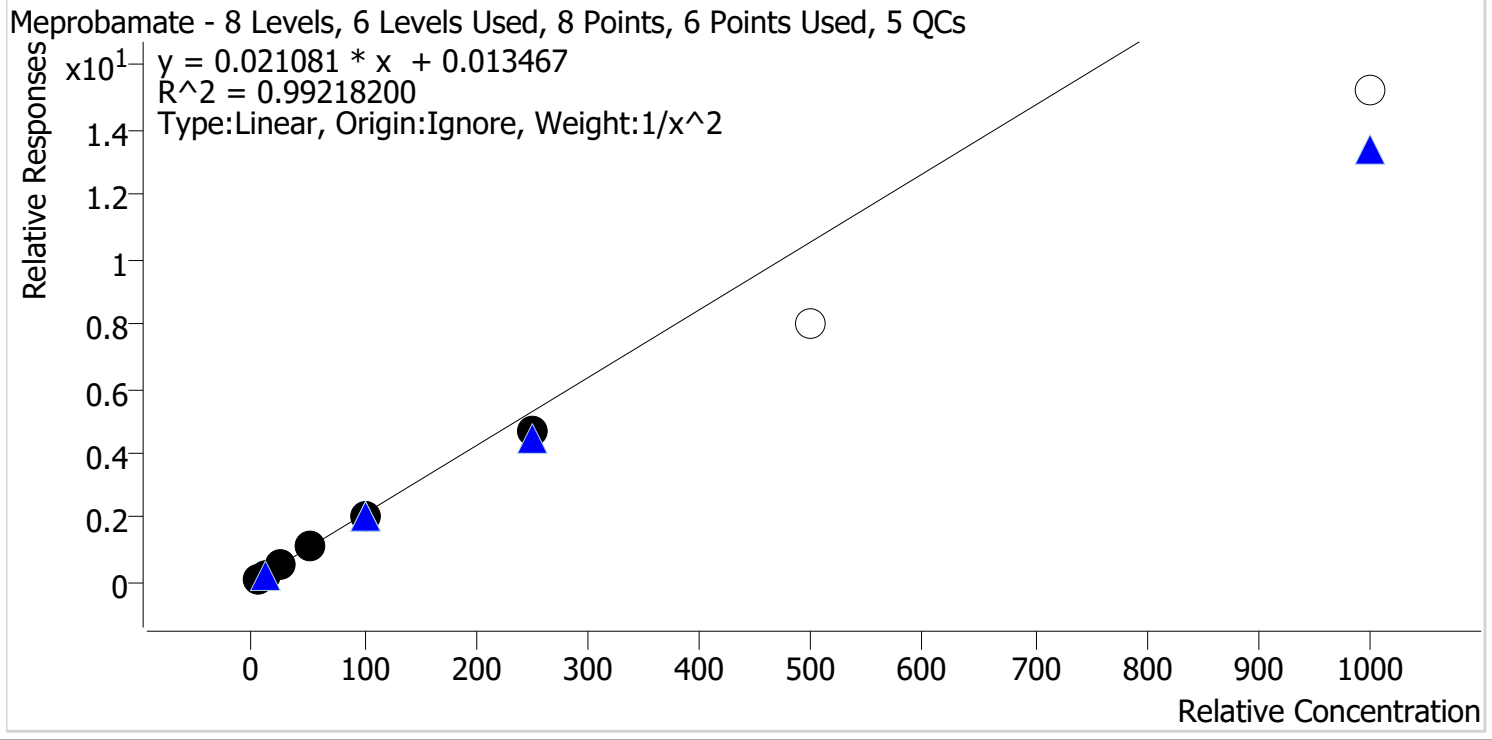


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	✓	250.0	231.7	92.7
p1 Cal 7-500ng	7	✓	500.0	494.8	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1112.7	111.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



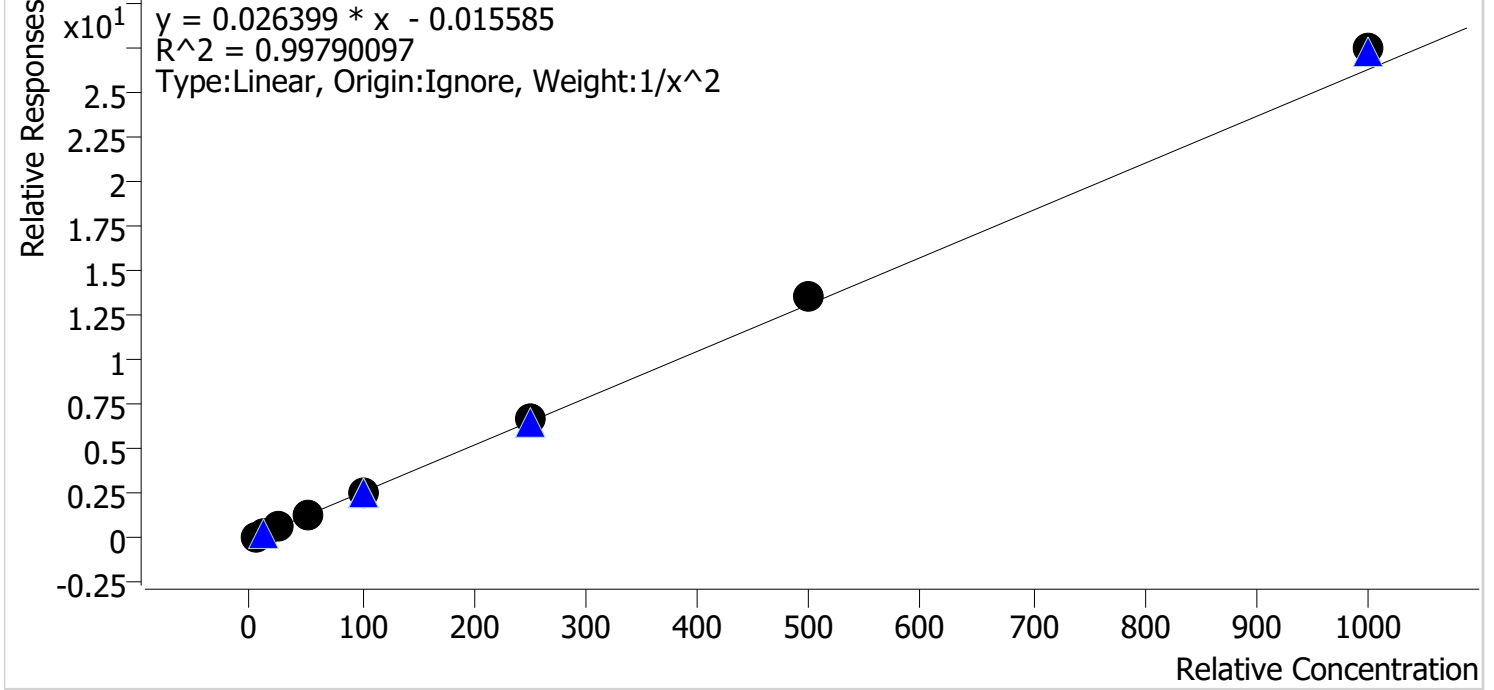
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	27.5	109.9
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	223.3	89.3
p1 Cal 7-500ng	7	✗	500.0	377.1	75.4
p1 Cal 8-1000ng	8	✗	1000.0	721.8	72.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

Methadone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

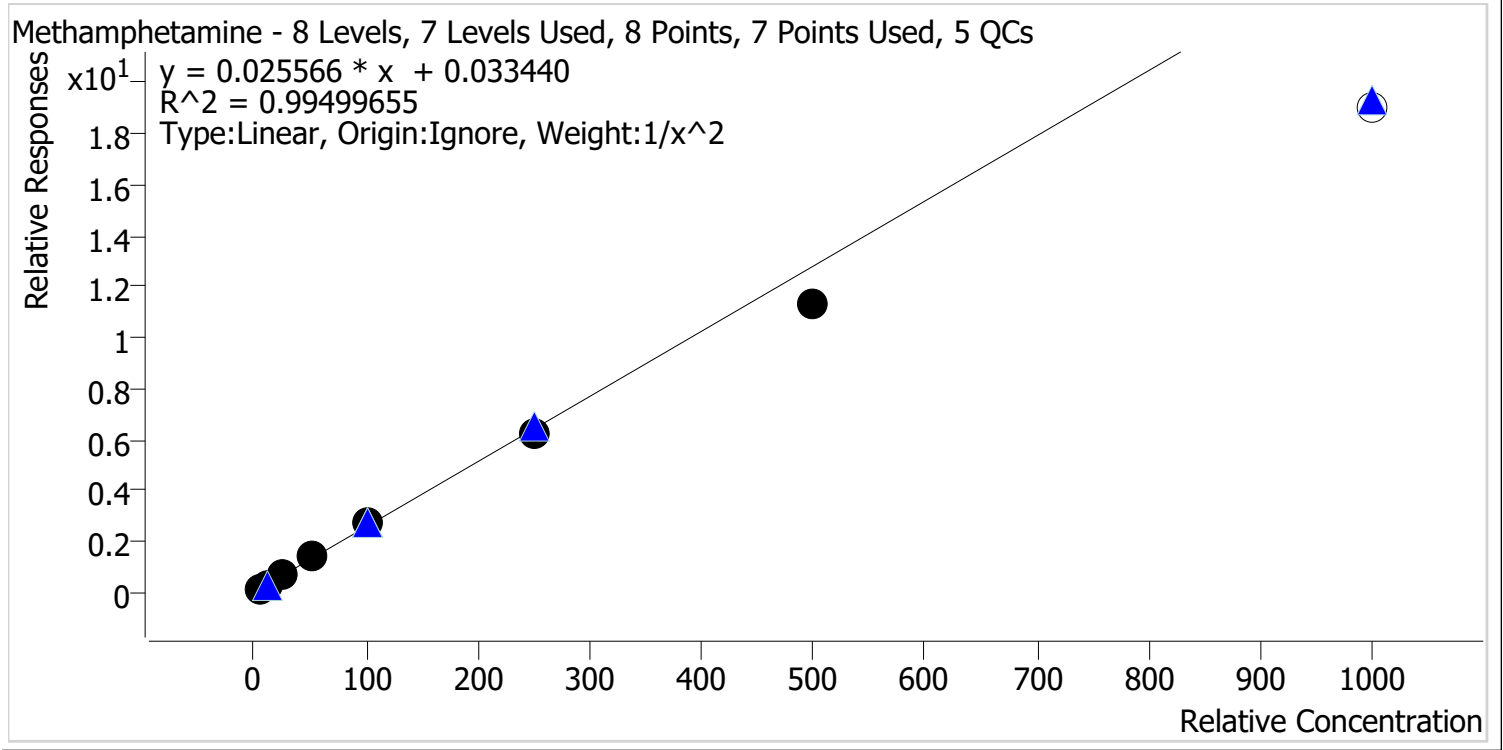


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.4
p1 Cal 4-50ng	4	✓	50.0	47.6	95.1
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	520.4	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1044.4	104.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



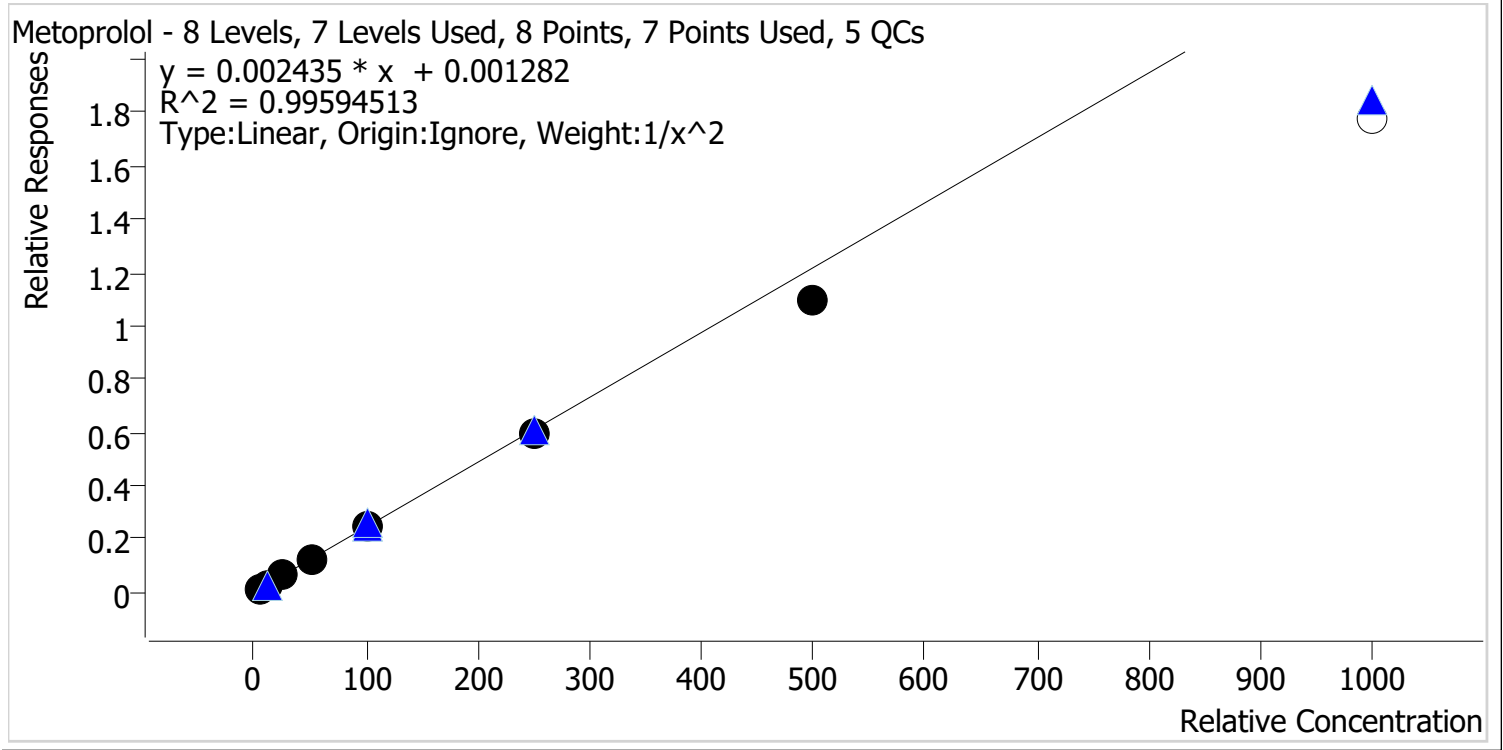
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	243.4	97.4
p1 Cal 7-500ng	7	✓	500.0	444.4	88.9
p1 Cal 8-1000ng	8	✗	1000.0	741.9	74.2

9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

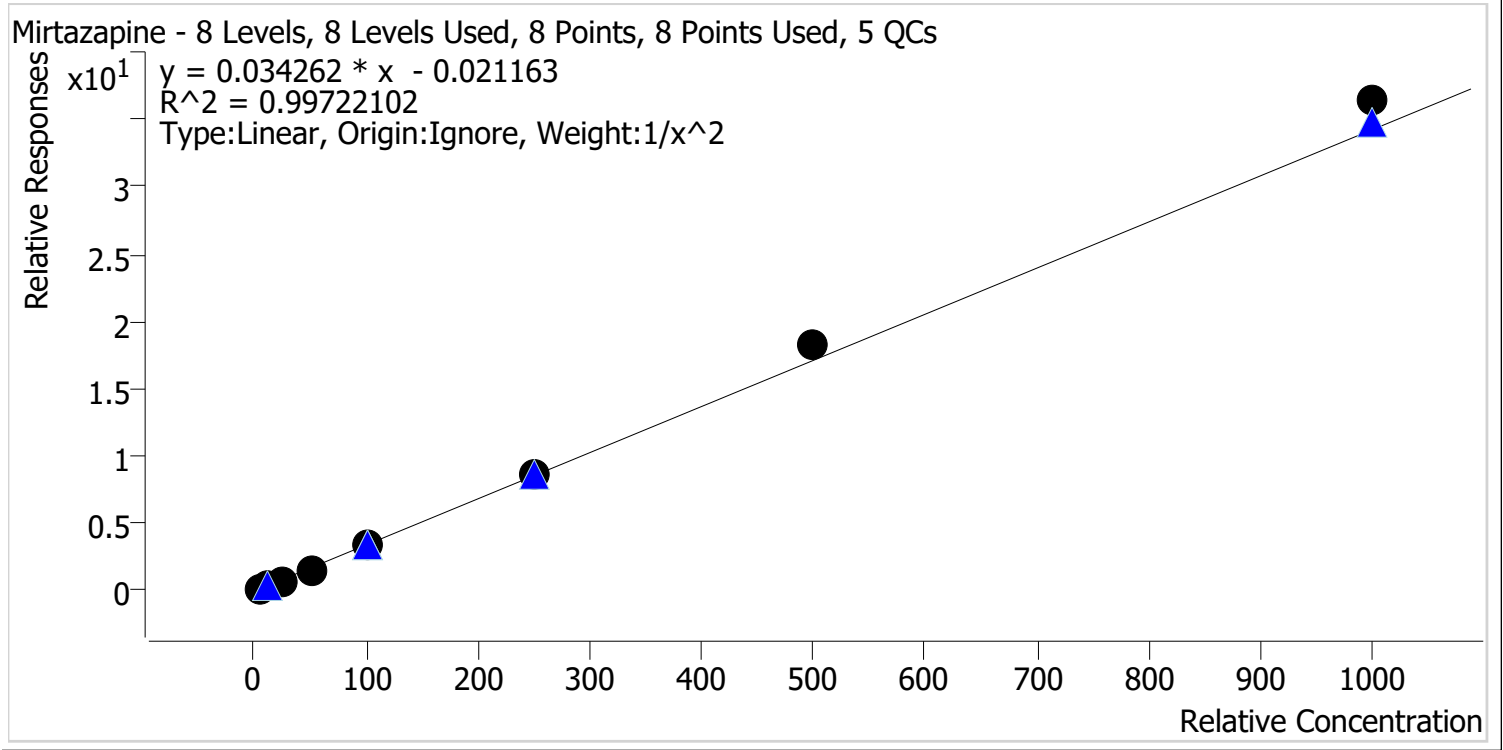


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	450.2	90.0
p1 Cal 8-1000ng	8	✗	1000.0	729.7	73.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-D8

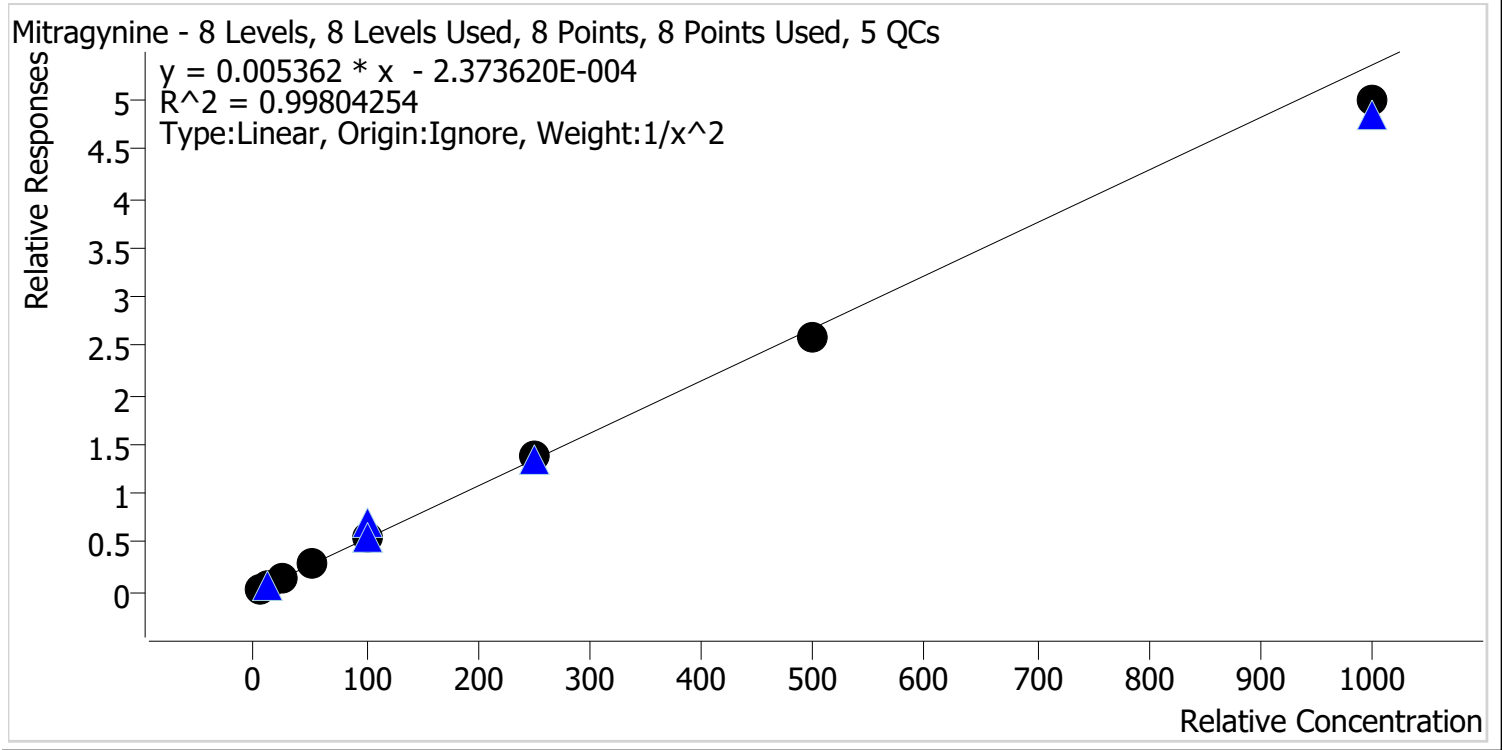


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.4
p1 Cal 4-50ng	4	✓	50.0	47.4	94.7
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	530.5	106.1
p1 Cal 8-1000ng	8	✓	1000.0	1063.2	106.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

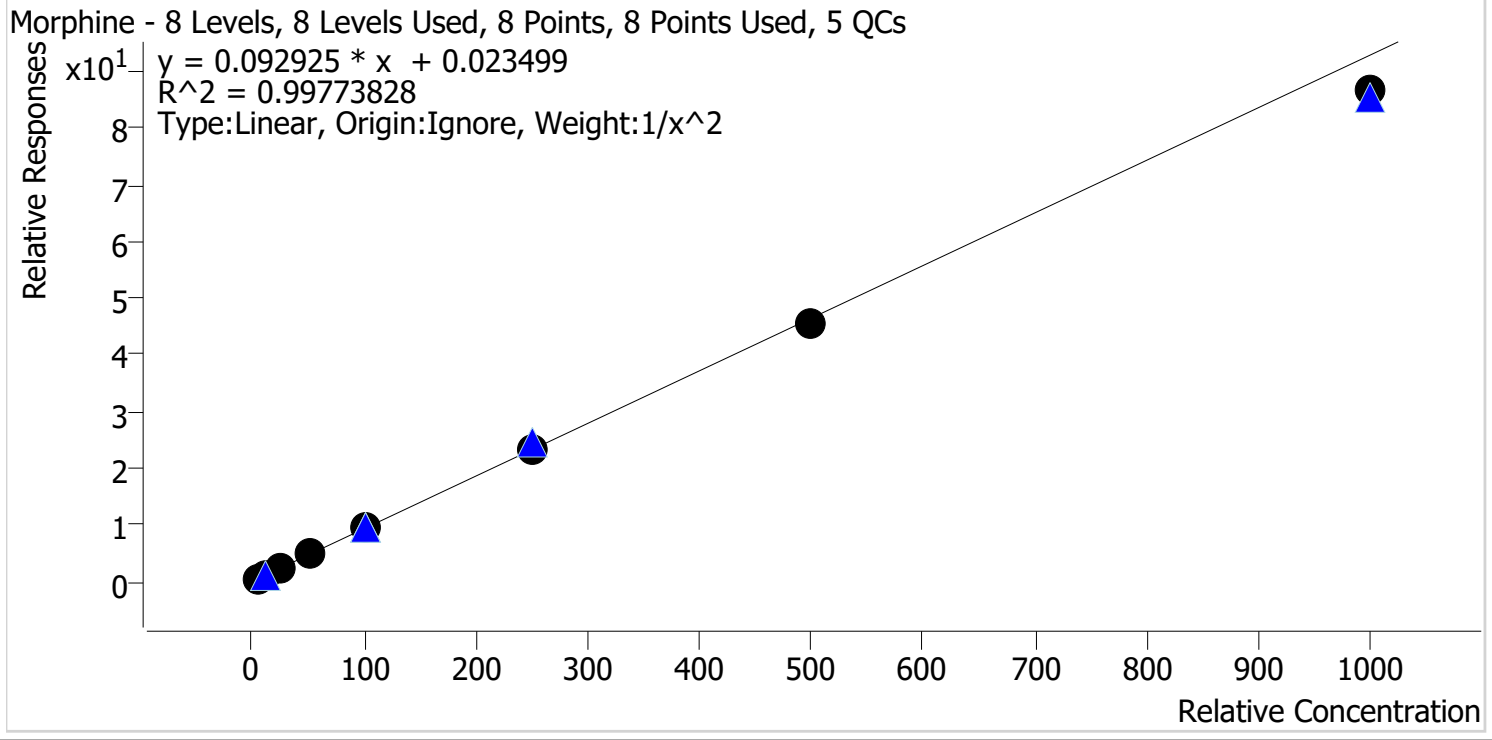


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	481.7	96.3
p1 Cal 8-1000ng	8	✓	1000.0	932.2	93.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6



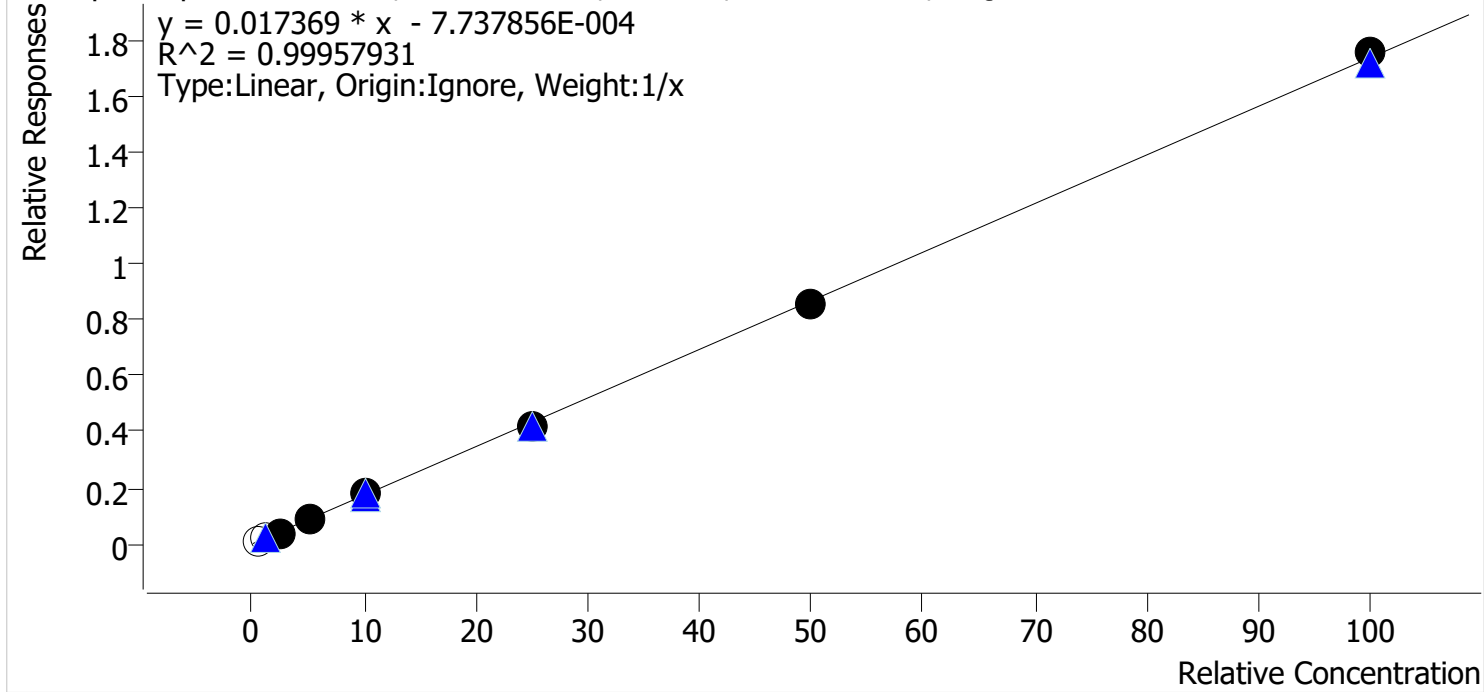
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.5	105.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	932.5	93.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 5 QCs



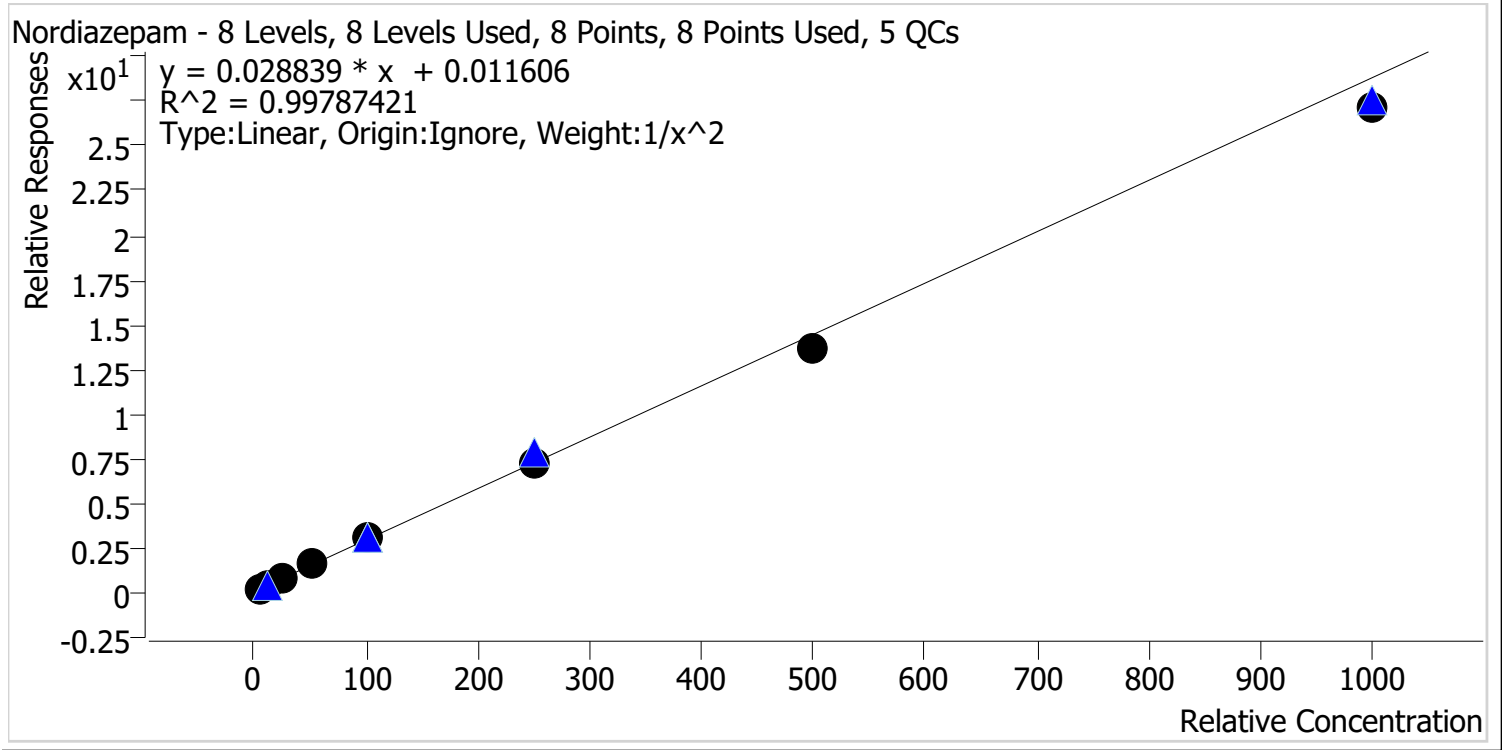
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.6	126.5
p1 Cal 2-10ng	2	x	1.0	1.2	124.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.7
p1 Cal 4-50ng	4	✓	5.0	5.2	104.7
p1 Cal 5-100ng	5	✓	10.0	10.3	102.6
p1 Cal 6-250ng	6	✓	25.0	24.5	97.8
p1 Cal 7-500ng	7	✓	50.0	49.1	98.2
p1 Cal 8-1000ng	8	✓	100.0	101.1	101.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

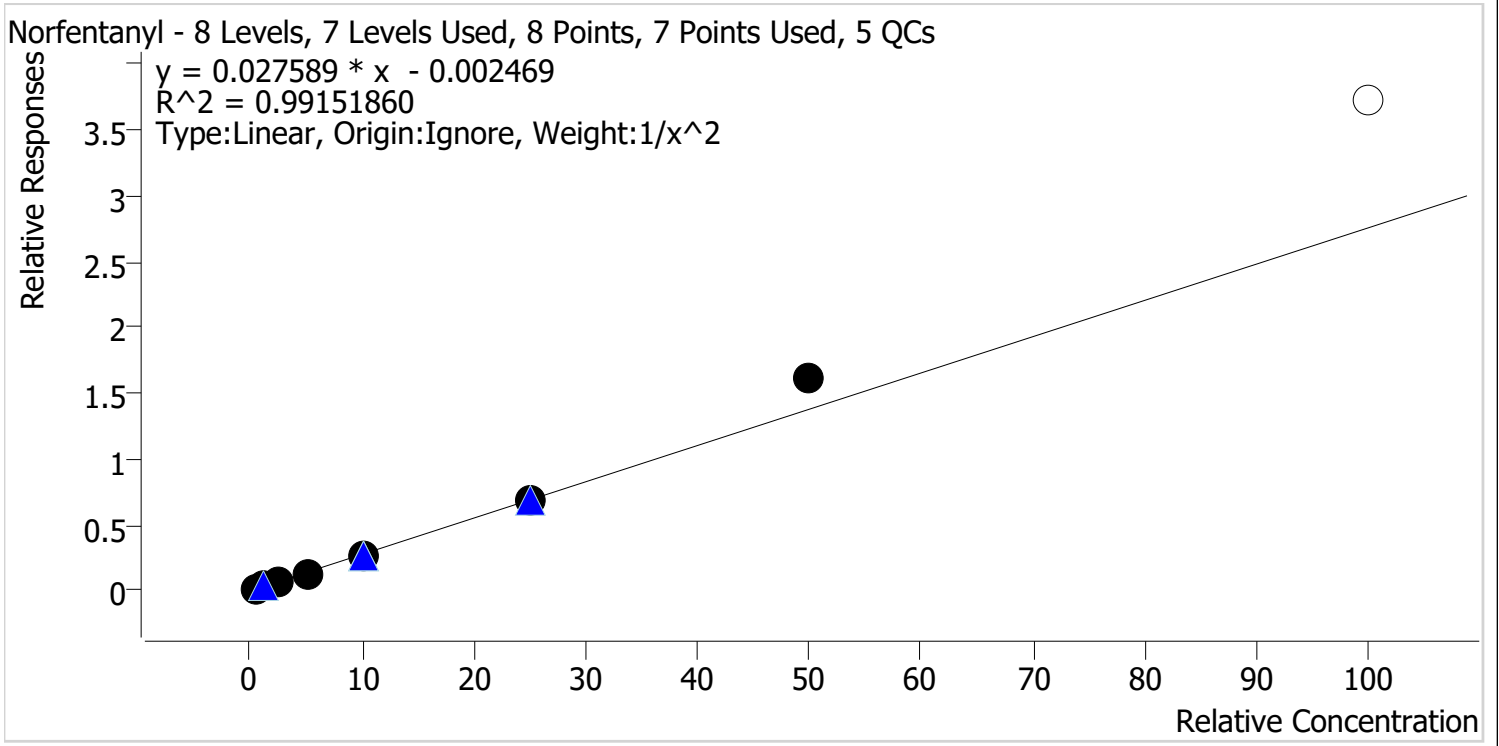


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	474.6	94.9
p1 Cal 8-1000ng	8	✓	1000.0	939.1	93.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Norfentanyl Internal Standard Norfentanyl-D5

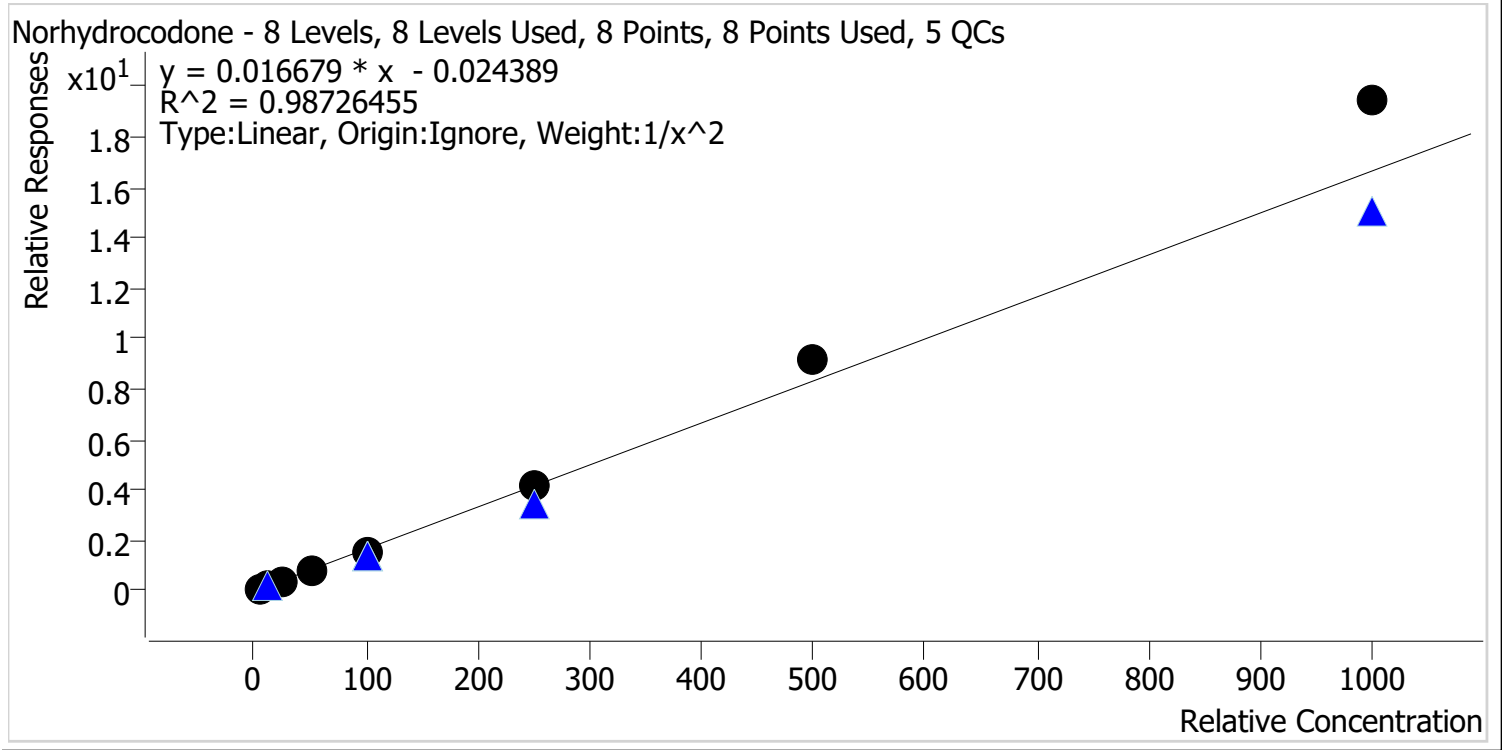


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.4
p1 Cal 2-10ng	2	✓	1.0	1.0	96.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.4
p1 Cal 4-50ng	4	✓	5.0	4.7	94.1
p1 Cal 5-100ng	5	✓	10.0	9.6	95.5
p1 Cal 6-250ng	6	✓	25.0	24.7	98.9
p1 Cal 7-500ng	7	✓	50.0	58.1	116.3
p1 Cal 8-1000ng	8	✗	100.0	135.0	135.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

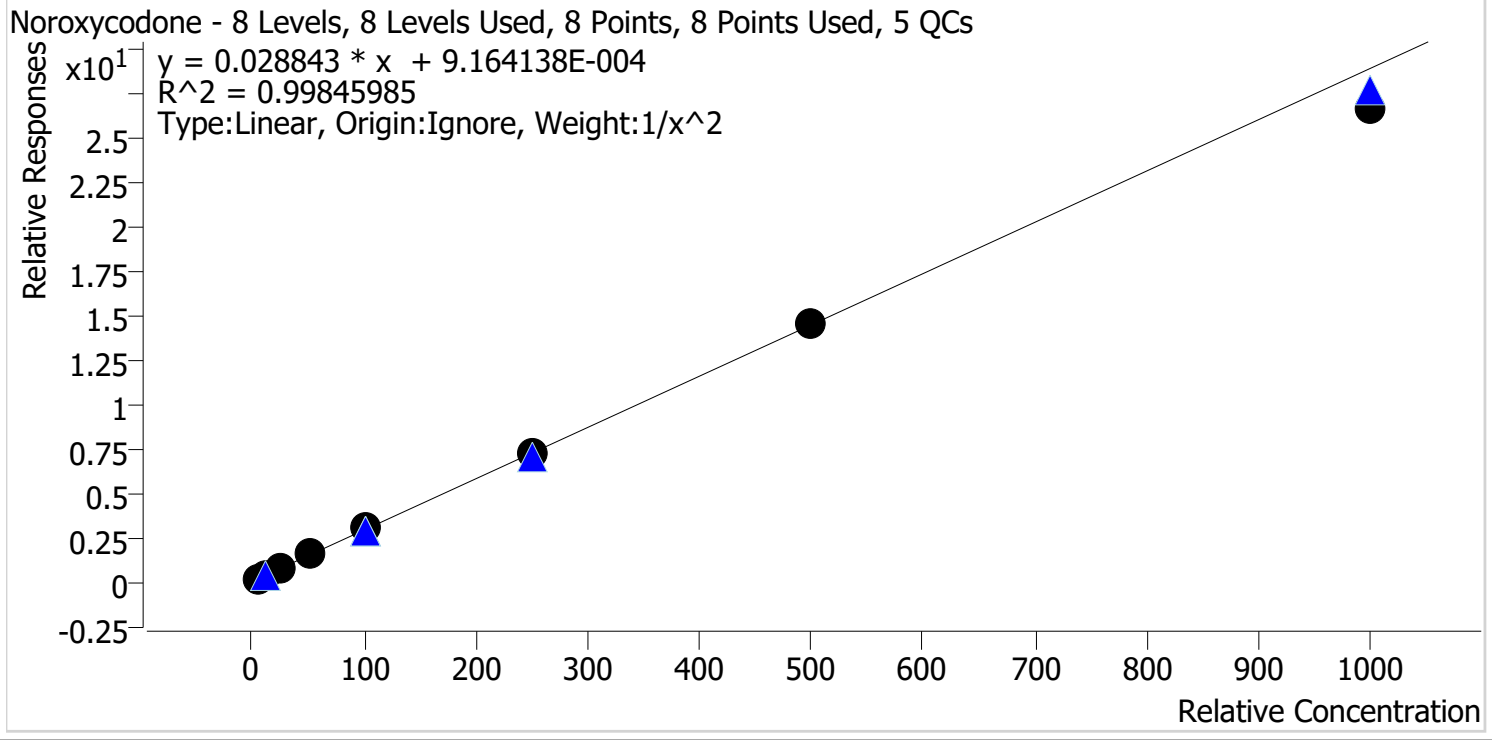


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.5
p1 Cal 2-10ng	2	✓	10.0	9.3	93.3
p1 Cal 3 -25ng	3	✓	25.0	22.4	89.7
p1 Cal 4-50ng	4	✓	50.0	45.1	90.2
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	546.8	109.4
p1 Cal 8-1000ng	8	✓	1000.0	1167.5	116.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

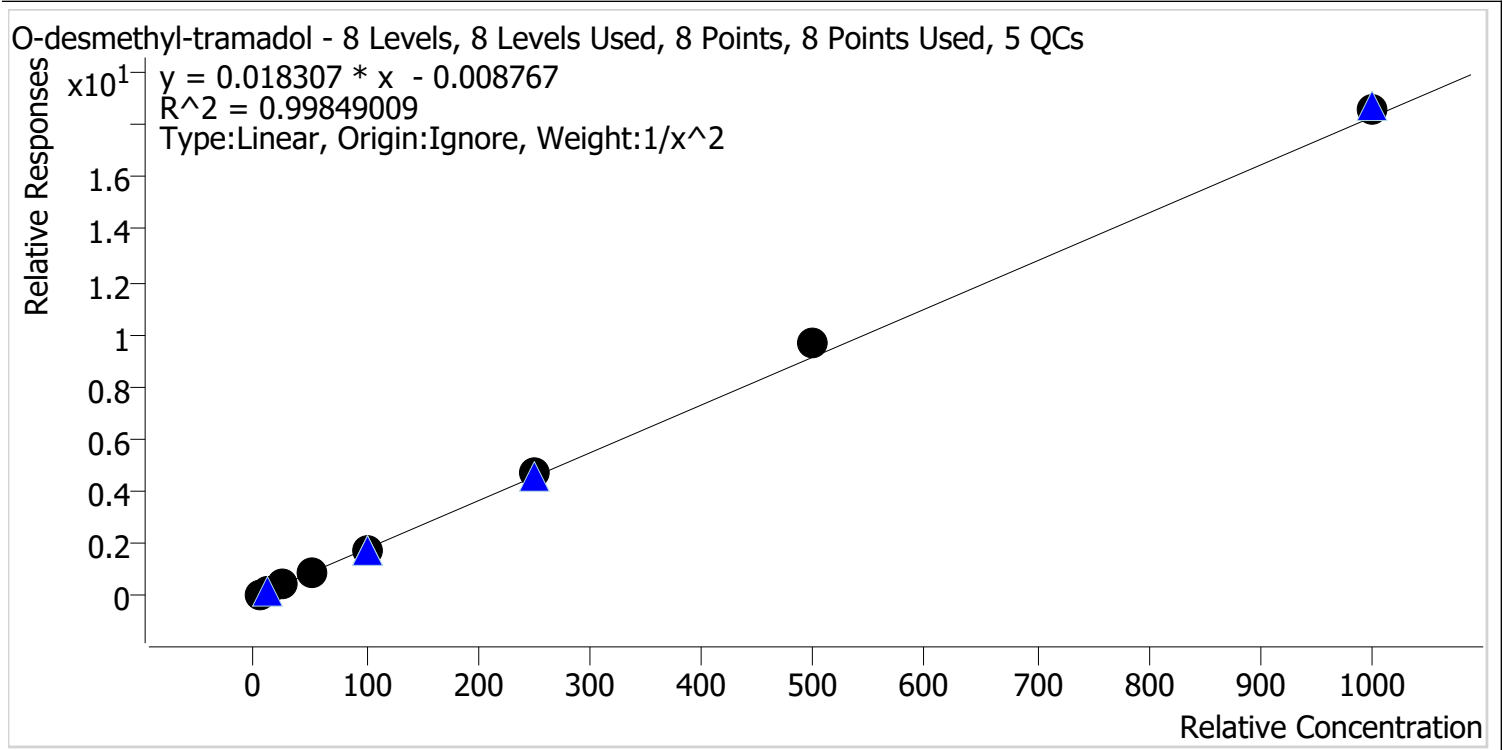


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	51.4	102.9
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	505.9	101.2
p1 Cal 8-1000ng	8	✓	1000.0	923.0	92.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



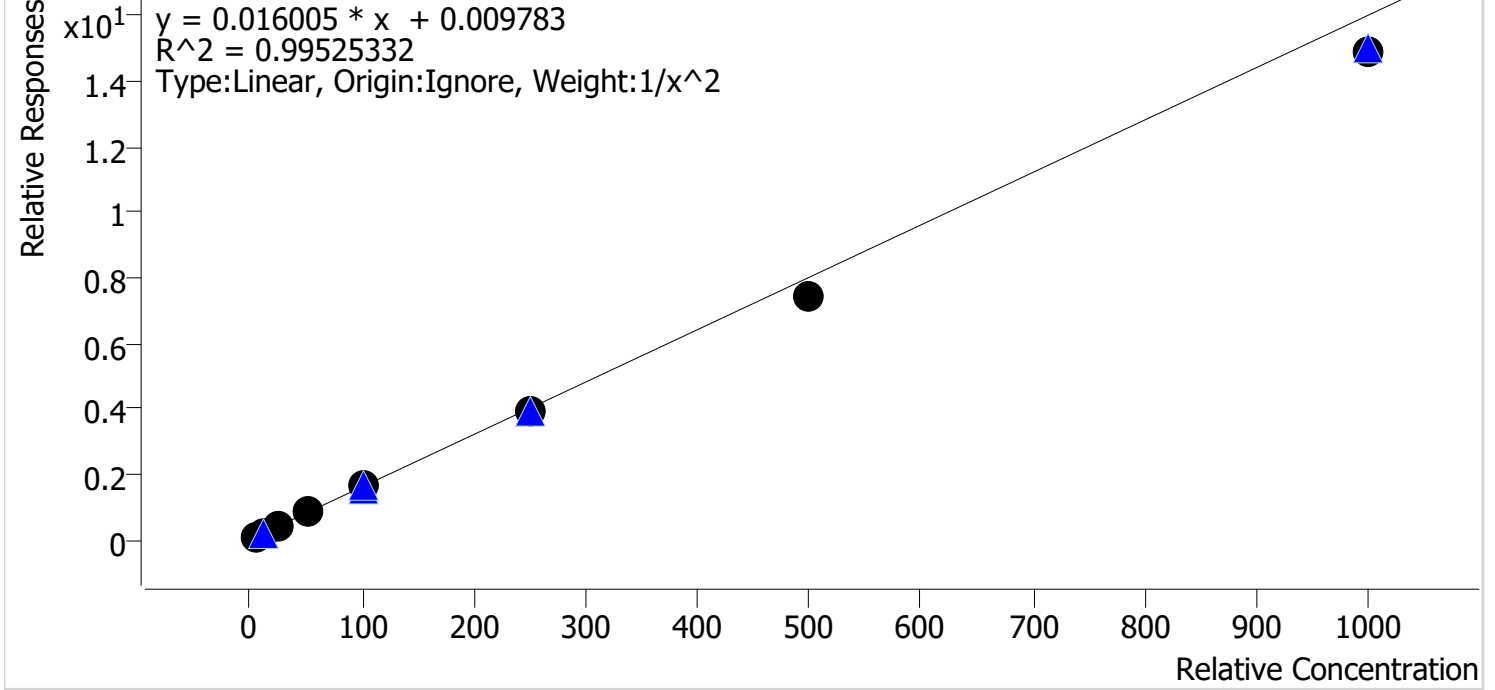
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.0	95.9
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	256.9	102.7
p1 Cal 7-500ng	7	✓	500.0	526.3	105.3
p1 Cal 8-1000ng	8	✓	1000.0	1013.9	101.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



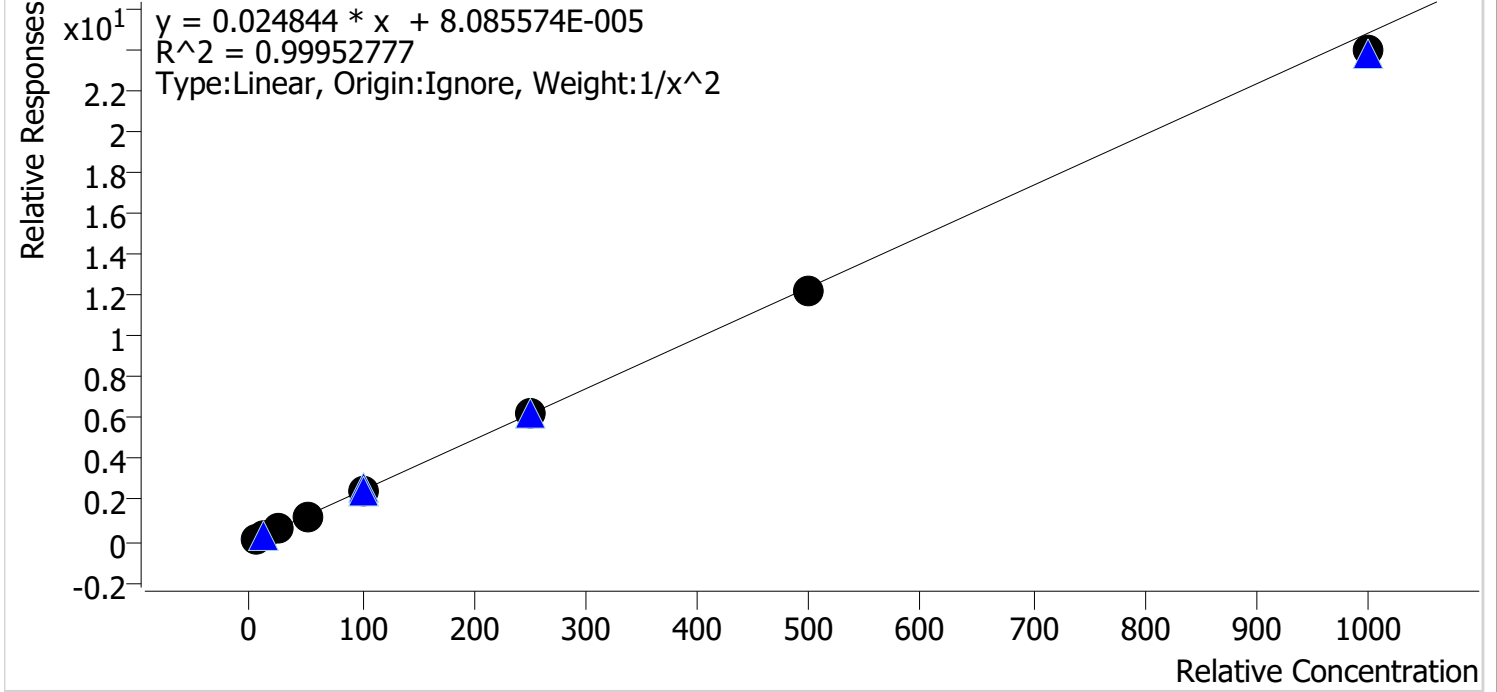
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	241.6	96.7
p1 Cal 7-500ng	7	✓	500.0	466.3	93.3
p1 Cal 8-1000ng	8	✓	1000.0	930.7	93.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



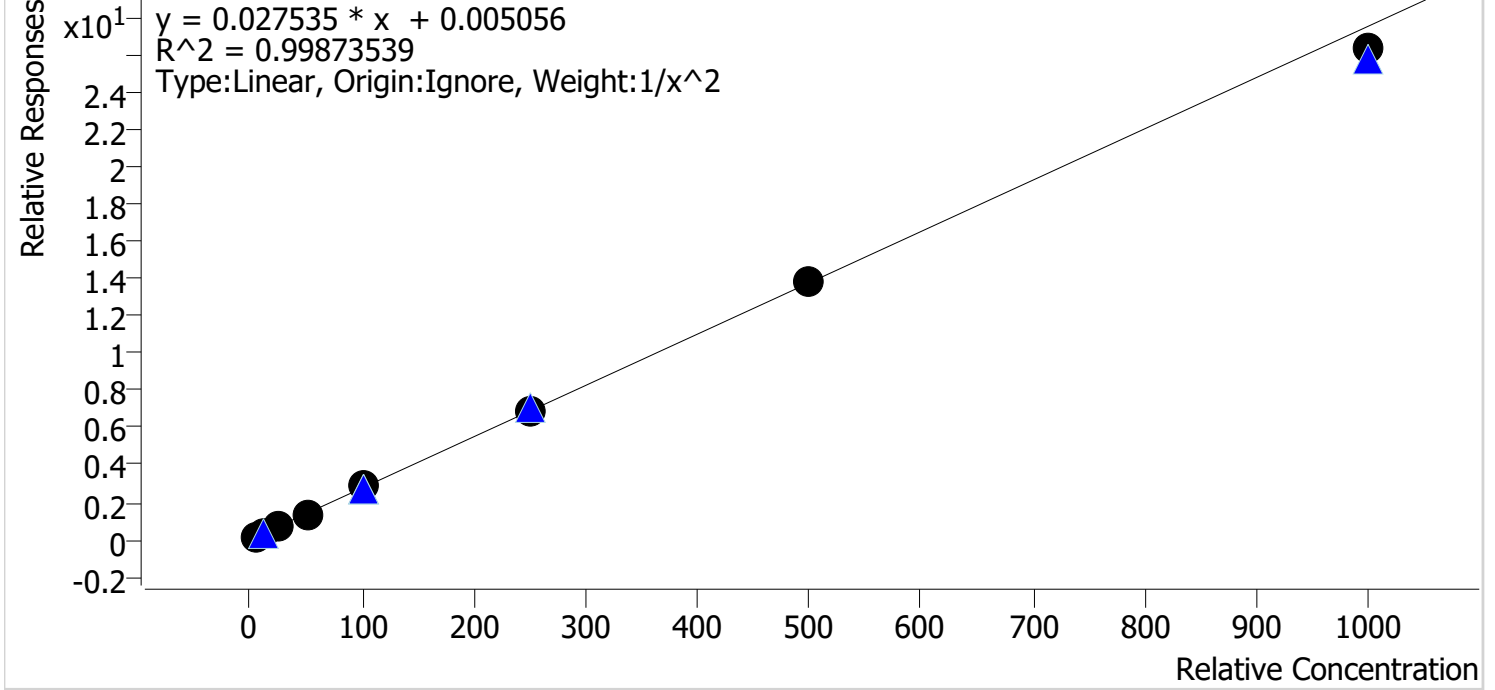
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	253.4	101.3
p1 Cal 7-500ng	7	✓	500.0	490.9	98.2
p1 Cal 8-1000ng	8	✓	1000.0	965.5	96.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

Oxymorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

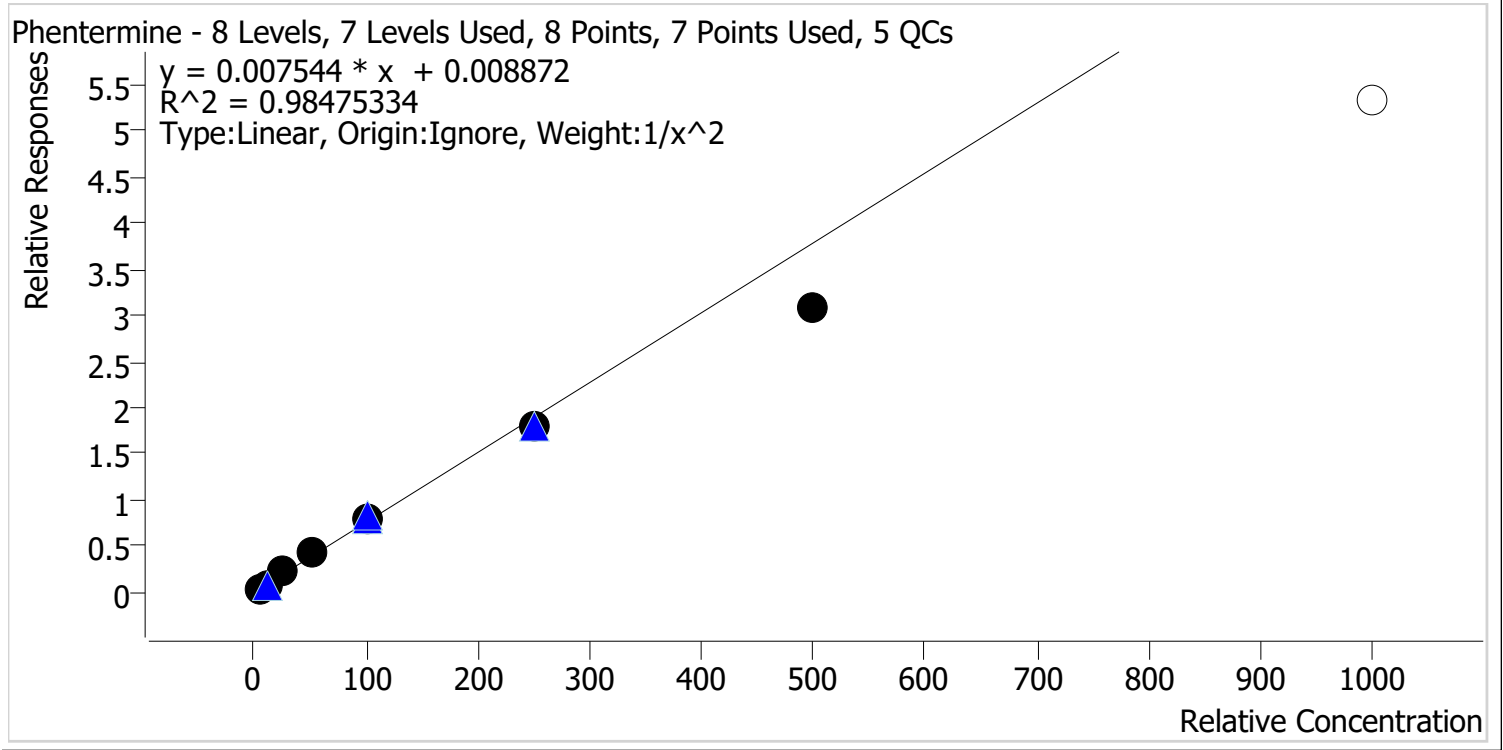


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✓	1000.0	956.5	95.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

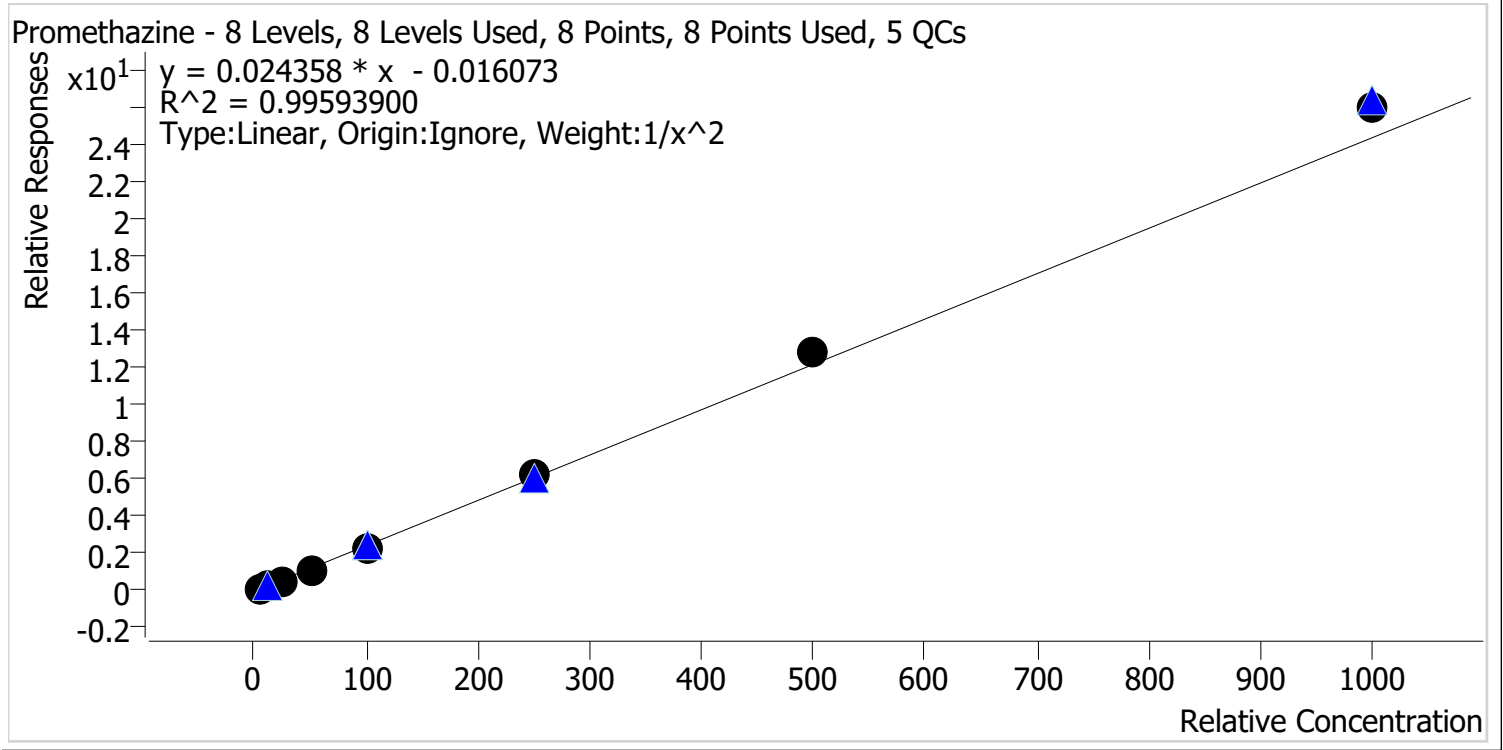


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.5
p1 Cal 2-10ng	2	✓	10.0	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	27.8	111.2
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	236.9	94.8
p1 Cal 7-500ng	7	✓	500.0	405.5	81.1
p1 Cal 8-1000ng	8	✗	1000.0	703.8	70.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

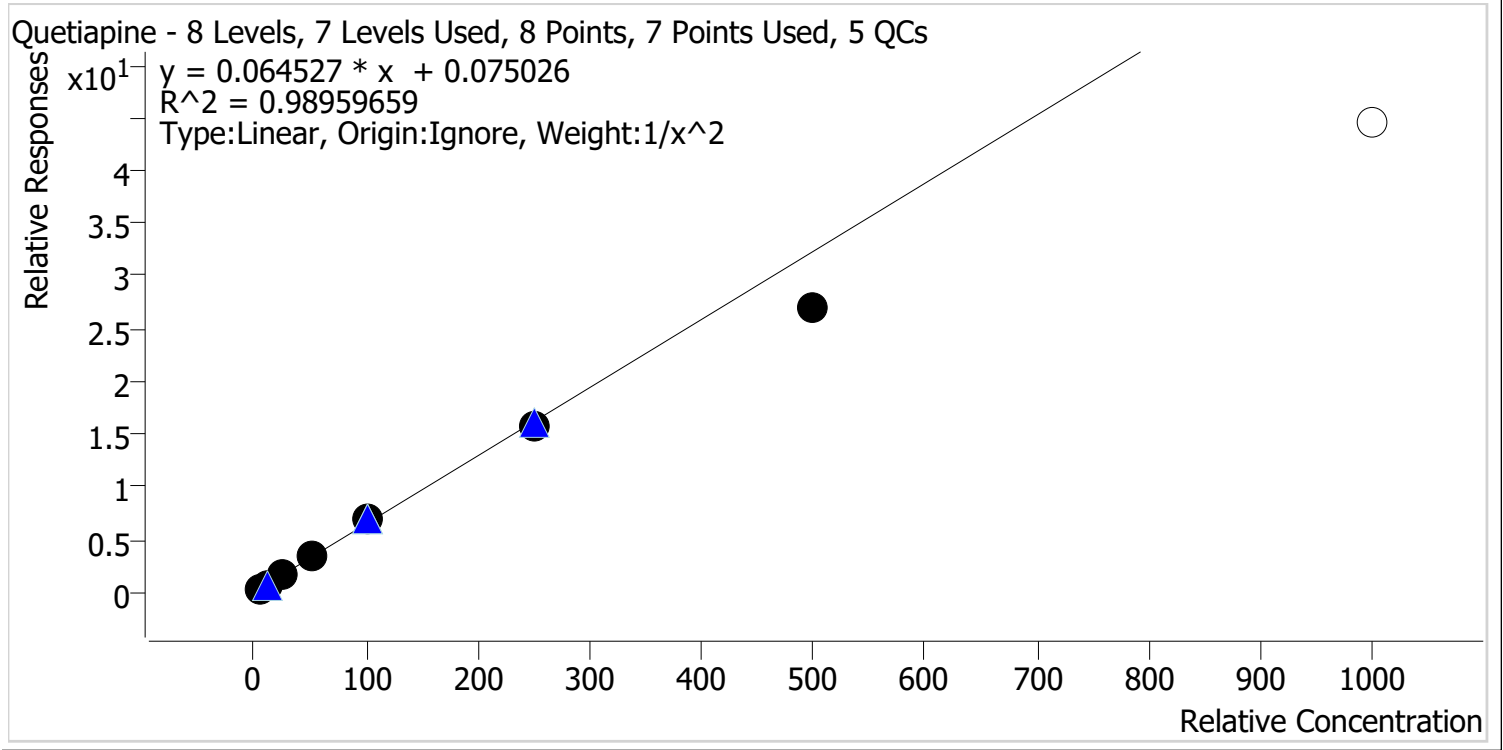


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.1
p1 Cal 4-50ng	4	✓	50.0	46.5	93.0
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	530.5	106.1
p1 Cal 8-1000ng	8	✓	1000.0	1068.9	106.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

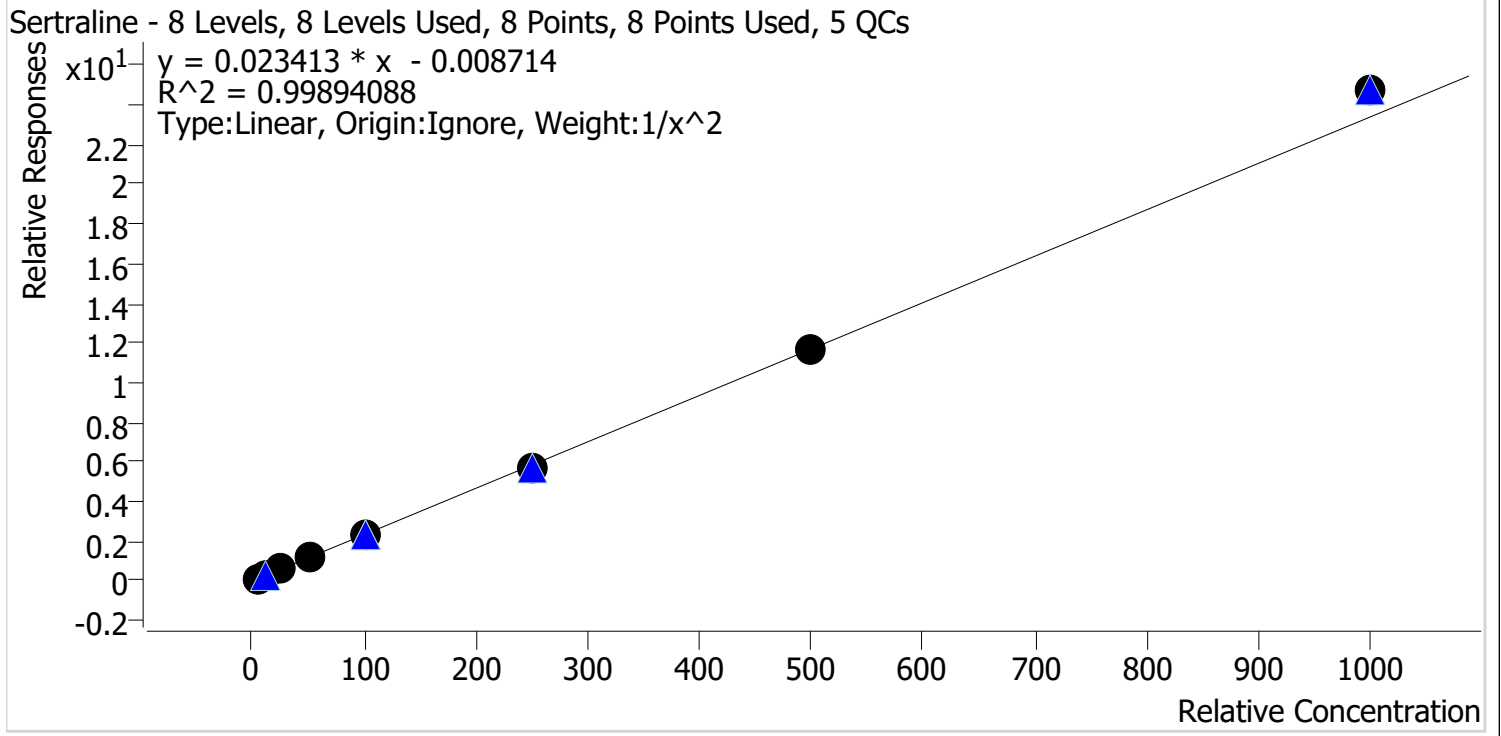


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.6
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	240.7	96.3
p1 Cal 7-500ng	7	✓	500.0	418.4	83.7
p1 Cal 8-1000ng	8	✗	1000.0	690.5	69.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

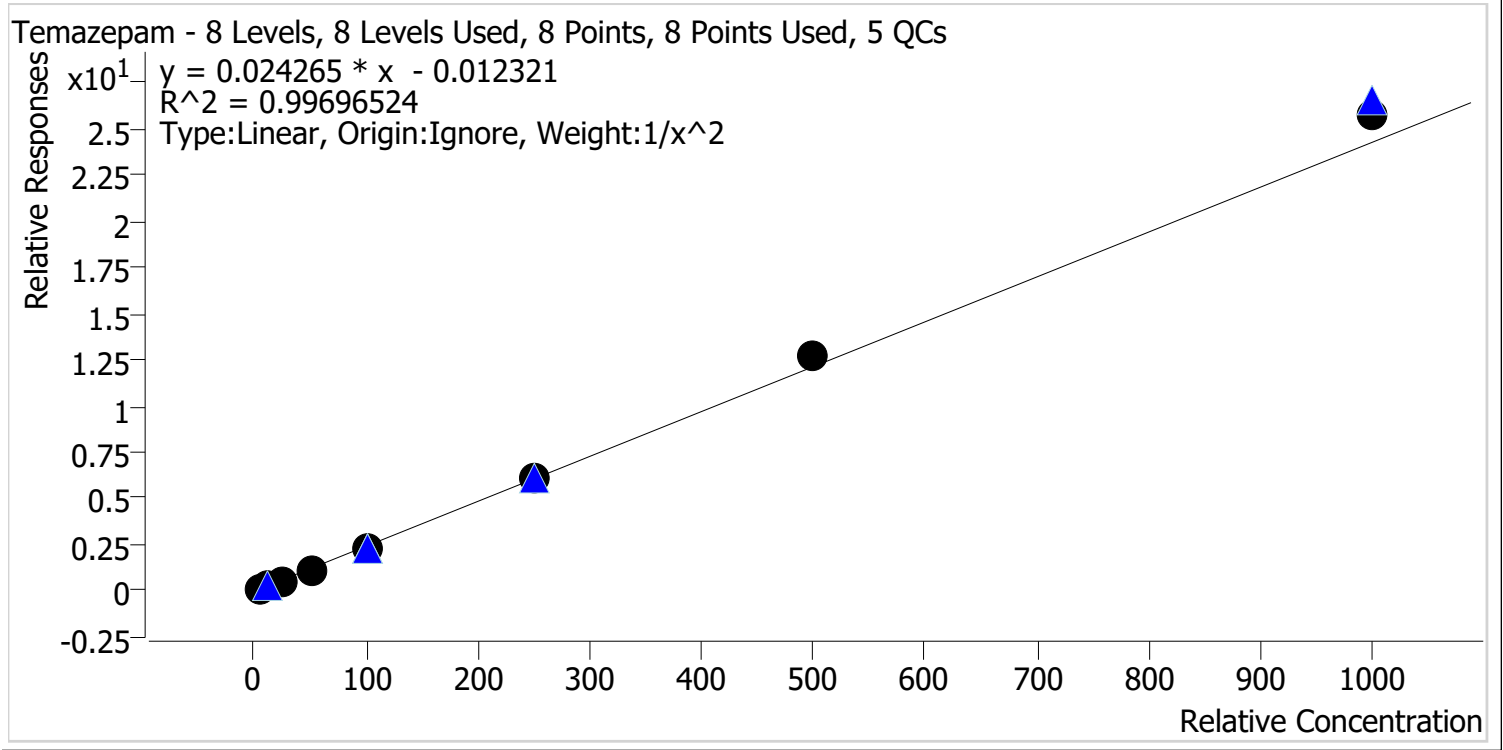


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1054.4	105.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

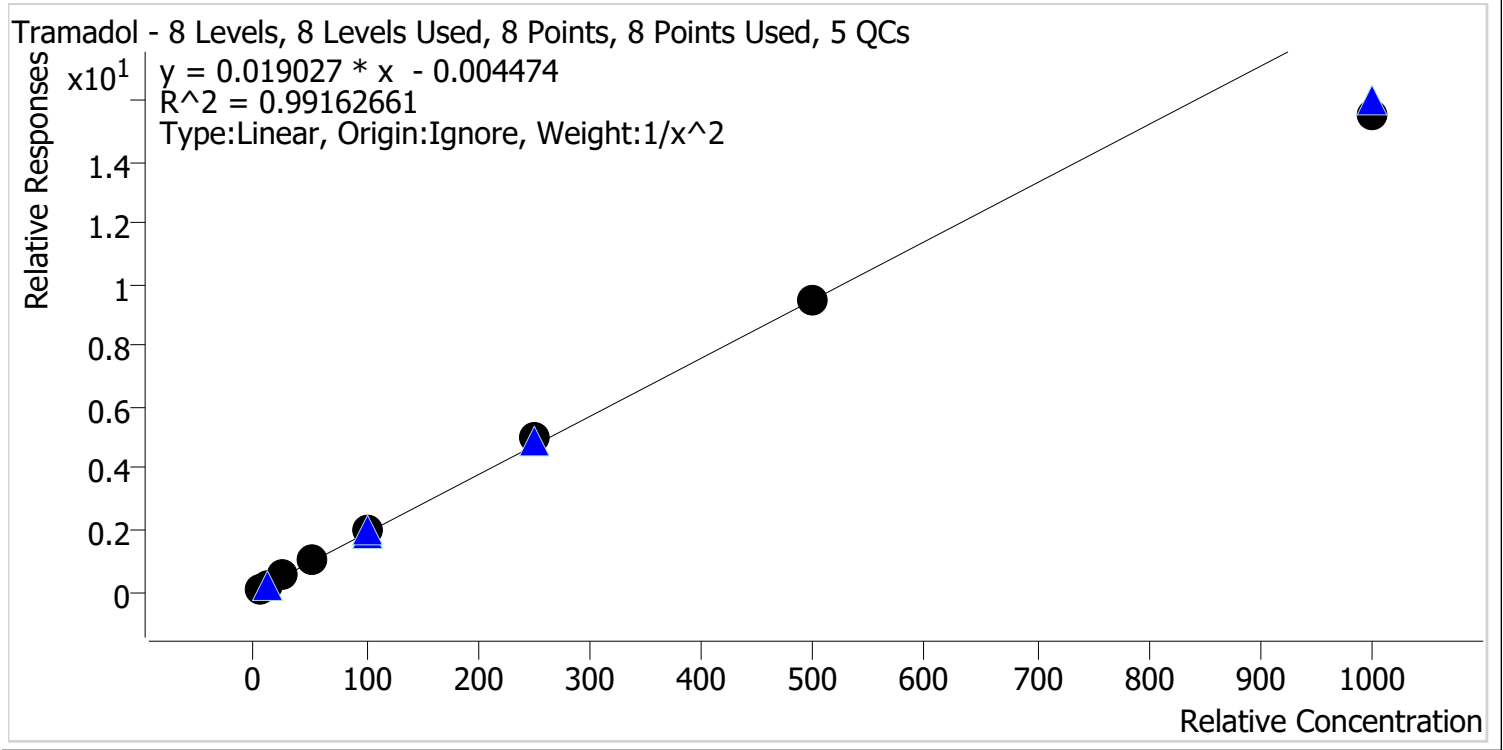


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.5	94.9
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	47.5	95.1
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	528.2	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1065.1	106.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



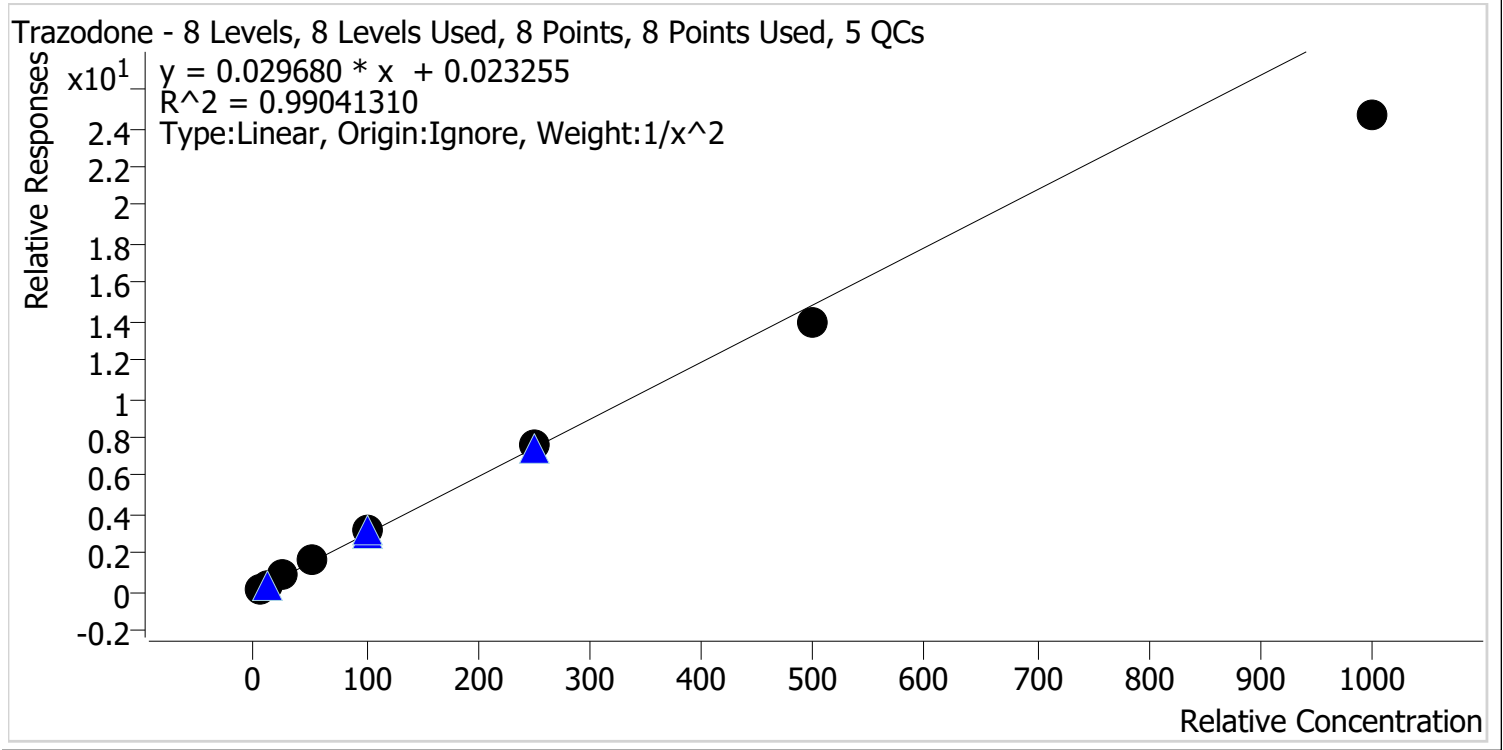
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	265.7	106.3
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	818.2	81.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



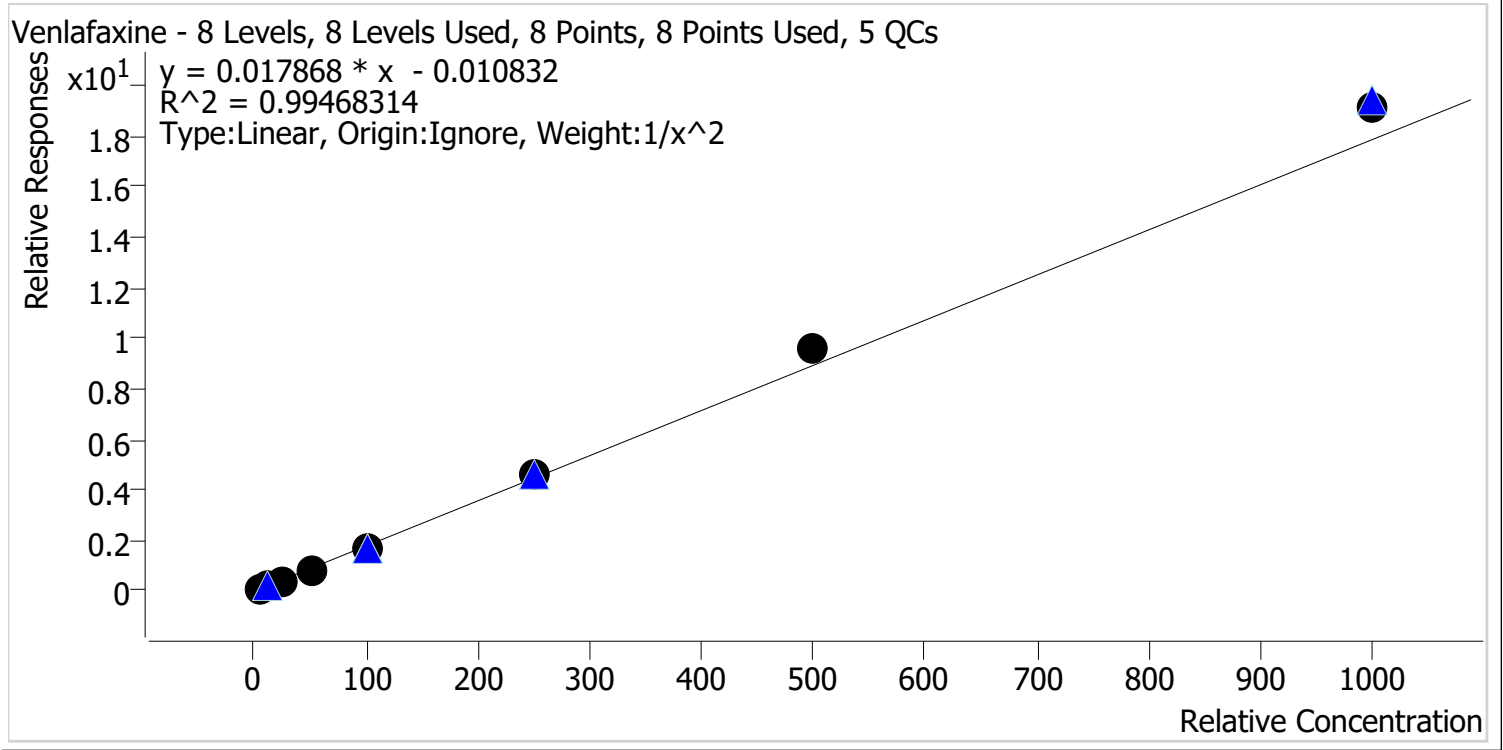
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	54.5	109.0
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	470.7	94.1
p1 Cal 8-1000ng	8	✓	1000.0	830.6	83.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

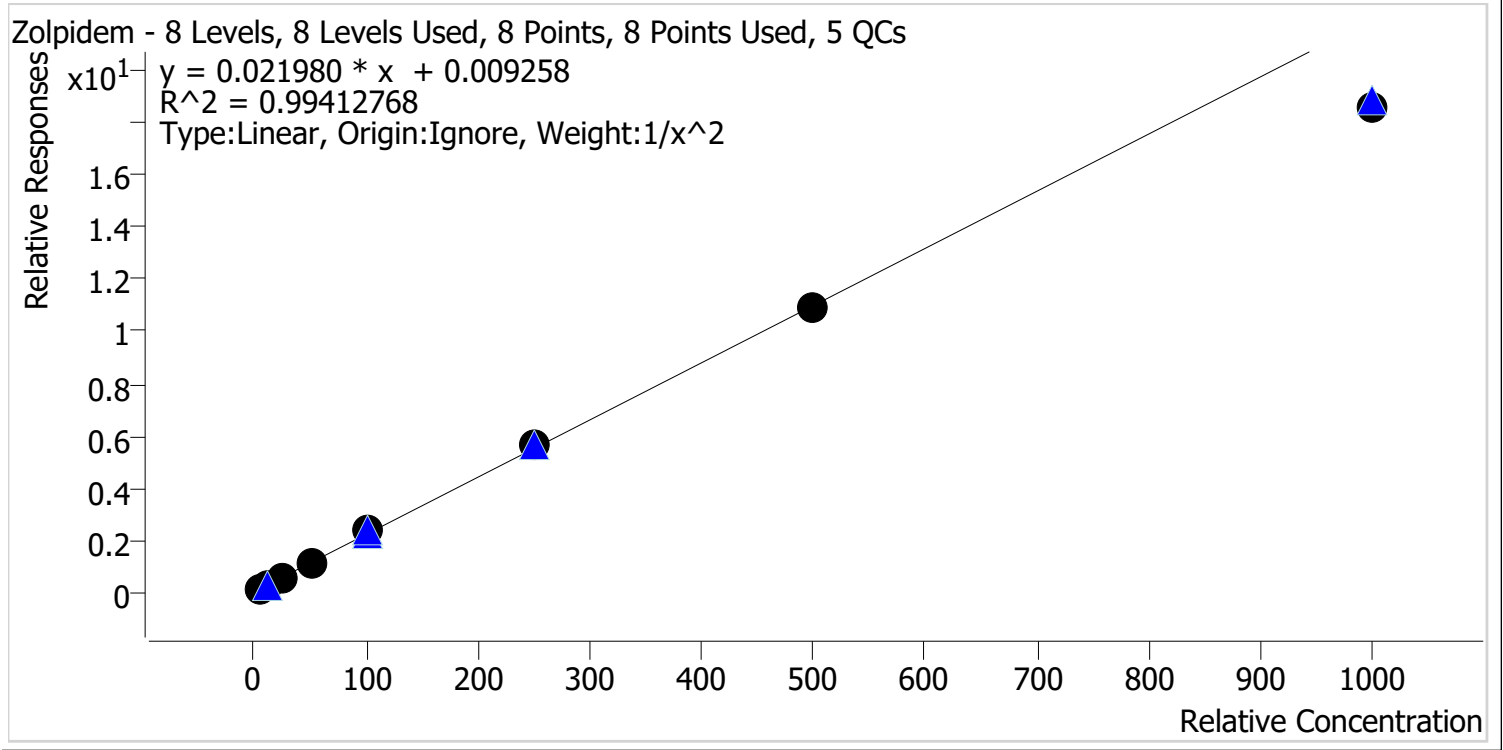


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2-10ng	2	✓	10.0	9.5	94.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	45.6	91.2
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	259.7	103.9
p1 Cal 7-500ng	7	✓	500.0	535.2	107.0
p1 Cal 8-1000ng	8	✓	1000.0	1071.8	107.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 1/22/2024 9:39 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	52.5	104.9
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	259.8	103.9
p1 Cal 7-500ng	7	✓	500.0	499.2	99.8
p1 Cal 8-1000ng	8	✓	1000.0	846.7	84.7



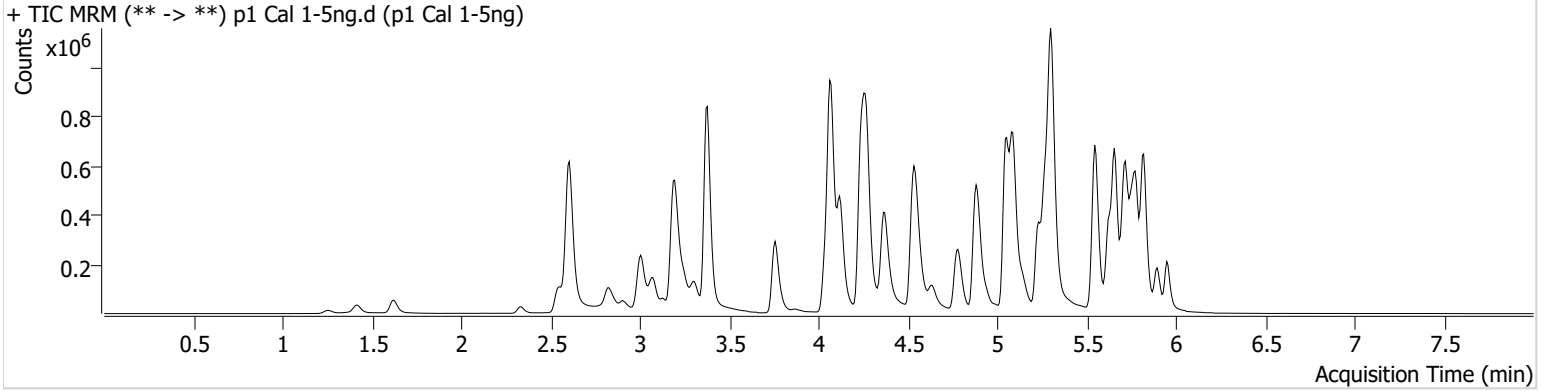
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901) **Data File** p1 Cal 1-5ng.d
Type Cal **Sample** p1 Cal 1-5ng
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-H5 **Comment**
Injection Volume 2
Acq. Date-Time 1/19/2024 10:48:48 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	1409	3003.55	83.5	1490.68	98467	0.5100 ng/ml
7-aminoclonazepam	4.271	30278	280.54	71.7	1142.90	247770	4.9625 ng/ml
a-hydroxyalprazolam	5.698	12663	155.76	61.5	56.84	115586	4.7660 ng/ml
alpha-PHP	4.943	30707	484.69	251.2	129372.80	903578	5.1188 ng/ml
alpha-PVP	4.376	110079	196.93	49.8	30.19	903578	5.1143 ng/ml
Alprazolam	5.775	55169	975.83	108.5	350.53	438223	5.1608 ng/ml
Amphetamine	3.074	173758	1652.55	46.1	729.91	446116	4.6806 ng/ml
Benzoylcegonine	3.896	2606	2437.15	35.6	∞	17776	5.2183 ng/ml
Bromazolam	5.814	23408	21645.69	125.1	32128.03	237814	4.9468 ng/ml
Buprenorphine	5.785	2413	2340.73	18.9	810.62	190055	0.5057 ng/ml
Bupropion	4.792	101358	677.63	68.3	319.56	631794	5.0494 ng/ml
Carisoprodol	5.730	54669	10844.37	67.6	117.39	514762	5.1330 ng/ml
Citalopram	5.227	84290	3137.11	32.2	110.99	809775	5.1033 ng/ml
Clonazepam	5.618	47953	766.54	35.5	13529.38	138281	4.7648 ng/ml
Clonazolam	5.554	39779	1537.49	36.2	20567.22	138281	4.8326 ng/ml
Cocaine	4.264	73130	238.09	50.6	79878.18	1238012	5.0131 ng/ml
Codeine	2.596	7533	18495.99	104.2	32.46	88901	4.8486 ng/ml
Cyclobenzaprine	5.627	68035	83.55	9.4	1196.08	646733	5.1671 ng/ml
Dextromethorphan	5.284	54274	52416.36	88.1	1116.01	516732	5.0535 ng/ml
Dextrorphan	4.123	38794	3473.98	200.4	62890.34	864629	5.0769 ng/ml
Diazepam	5.954	38225	185.47	89.0	117.79	338947	5.0400 ng/ml
Dihydrocodeine	2.575	22735	67.86	65.2	28525.25	273400	4.9577 ng/ml
Diphenhydramine	5.305	232445	3157.96	29.1	99.37	2252459	5.1363 ng/ml
Doxylamine	4.552	185111	22225.59	102.3	5517.56	1818114	5.1169 ng/ml
Duloxetine	5.653	7932	224.76	13.6	79.29	86845	5.0295 ng/ml
EDDP	5.270	88263	144.74	39.3	68.72	923443	5.1306 ng/ml
Etizolam	5.814	33441	47240.95	23.5	11905.58	138281	5.3423 ng/ml
Fentanyl	5.104	7359	207.12	78.4	5784.70	831419	0.5171 ng/ml
Fluorofentanyl	5.158	20051	889.46	40.6	1181.14	7214	0.5191 ng/ml
Fluoxetine	5.707	87364	280.86	6.3	95.98	609018	5.1168 ng/ml
Hydrocodone	3.036	29589	98.05	34.9	33.76	341444	4.8816 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.629	21440	3422.12	76.4	83.94	148414	5.0120 ng/ml
Hydroxyzine	5.704	85423	1090.24	72.8	4503.62	516732	5.1693 ng/ml
Ketamine	4.056	70259	17283.11	34.2	90.29	594576	4.8517 ng/ml
Lamotrigine	4.287	6917	780.06	74.2	2383.21	1705715	4.8903 ng/ml
Lorazepam	5.747	35528	148.99	52.7	60.91	581735	4.9559 ng/ml
MDA	3.215	95604	949.38	34.2	90.72	590714	4.7890 ng/ml
MDMA	3.309	73092	2444.40	94.8	532.04	160966	5.0827 ng/ml
Meprobamate	4.923	21779	61.88	37.0	36.54	190147	4.7944 ng/ml
Methadone	5.659	127867	32019.01	57.4	1287.97	1060005	5.1597 ng/ml
Methamphetamine	3.250	180750	1510.45	38.3	321.71	1134652	4.9229 ng/ml
Metoprolol	4.327	22138	452.42	104.8	750.85	1669814	4.9176 ng/ml
Mirtazapine	4.634	139247	22200.40	56.8	222.02	903578	5.1156 ng/ml
Mitragynine	5.232	28116	33083.85	33.9	4496.50	1060005	4.9912 ng/ml
Morphine	1.267	4156	143.28	42.9	276.28	8741	4.8639 ng/ml
Norbuprenorphine	4.999	353	129.53	107.5	293.91	34526	0.6327 ng/ml
Nordiazepam	5.900	41484	219.52	55.9	651.66	270789	4.9097 ng/ml
Norfentanyl	4.090	16015	348.58	37.4	∞	1358329	0.5169 ng/ml
Norhydrocodone	3.077	7388	148.76	38.1	35.10	114707	5.3237 ng/ml
Noroxycodone	2.927	16752	111.02	46.2	233.65	116339	4.9604 ng/ml
O-desmethyl-tramadol	3.376	174400	392.75	5.7	115.01	2054038	5.1168 ng/ml
o-desmethylvenlafaxine	4.068	243336	15471.01	14.6	159.36	362323	5.2216 ng/ml
Olanzapine	4.469	22716	381.03	49.1	1853.21	100984	5.0896 ng/ml
Oxazepam	5.756	50356	379.25	69.0	290.64	581735	4.7973 ng/ml
Oxycodone	2.852	45316	340.20	31.2	222.86	367056	4.9662 ng/ml
Oxymorphone	1.419	14396	107.41	49.9	83.67	100190	5.0345 ng/ml
Phentermine	3.792	37171	108.50	8.0	103.78	834641	4.7271 ng/ml
Promethazine	5.544	135517	71503.97	32.6	375.36	1227119	5.1937 ng/ml
Pseudoephedrine	2.613	194640	208.23	17.3	3074.66	1705715	5.2065 ng/ml
Quetiapine	5.547	108397	91.04	54.5	60783.20	281929	4.7958 ng/ml
Sertraline	5.783	21926	523.74	97.6	23886.87	199721	5.0612 ng/ml
Temazepam	5.824	105357	1868.80	26.4	37.75	926457	5.1943 ng/ml
Tramadol	4.252	149136	182.36	3.9	57.74	1669814	4.9292 ng/ml
Trazodone	5.136	146014	188596.15	58.2	65666.30	872927	4.8523 ng/ml
Venlafaxine	5.044	141931	385.69	36.4	97.93	1718878	5.2274 ng/ml
Xylazine	4.090	60793	89066.54	44.1	303.19	444097	5.0311 ng/ml
Zolpidem	4.900	145044	154652.04	28.1	34575.30	1231057	4.9392 ng/ml



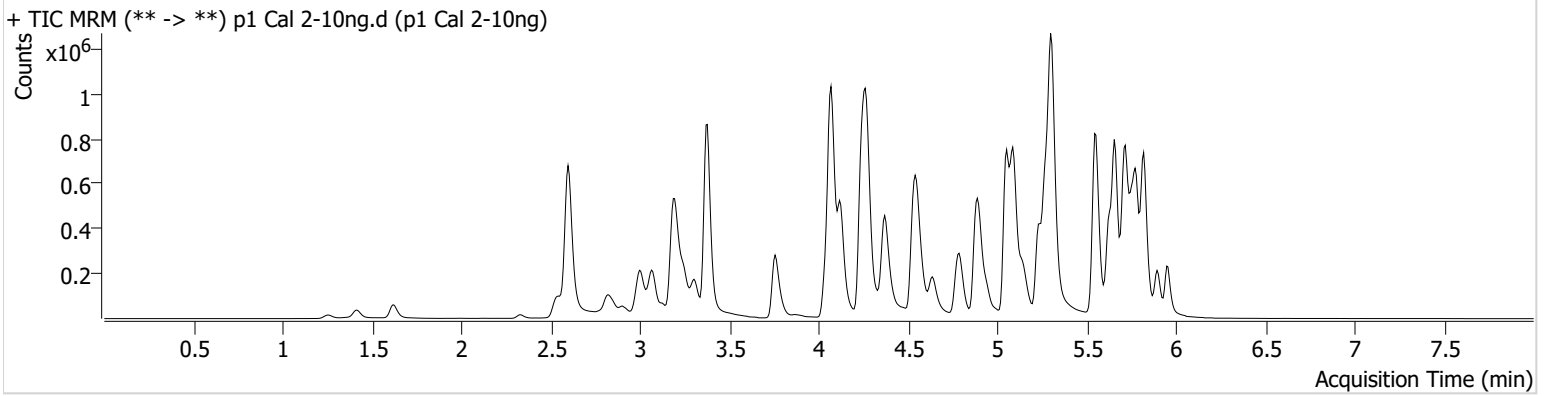
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
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Instrument Falco (069901) **Data File** p1 Cal 2-10ng.d
Type Cal **Sample** p1 Cal 2-10ng
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-G5 **Comment**
Injection Volume 2
Acq. Date-Time 1/19/2024 10:59:35 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.136	2808	4194.27	74.8	1695.66	93804	0.9841 ng/ml
7-aminoclonazepam	4.271	59608	40130.86	74.5	85.34	258239	9.8101 ng/ml
a-hydroxyalprazolam	5.698	23531	130.82	68.5	61.21	108617	10.2567 ng/ml
alpha-PHP	4.943	54087	465.38	270.3	61897.72	866696	9.4906 ng/ml
alpha-PVP	4.376	212540	2427.68	49.8	102.12	866696	9.8079 ng/ml
Alprazolam	5.775	98288	780.24	110.1	725.66	415355	9.4644 ng/ml
Amphetamine	3.074	320192	110.13	46.4	346.32	428975	10.5588 ng/ml
Benzoylcegonine	3.896	4218	8312.67	40.4	47.66	15985	9.4541 ng/ml
Bromazolam	5.814	45250	33424.65	122.3	52840.72	227444	10.0607 ng/ml
Buprenorphine	5.792	4701	3001.95	15.3	739.87	187783	0.9943 ng/ml
Bupropion	4.792	189723	1014.62	69.6	1118.70	604936	9.8132 ng/ml
Carisoprodol	5.730	103645	205.90	59.3	∞	479176	9.7702 ng/ml
Citalopram	5.227	166571	866.25	33.0	11322.01	791893	9.7502 ng/ml
Clonazepam	5.618	91021	343.93	33.8	127.60	132427	10.3402 ng/ml
Clonazolam	5.561	78164	133082.65	34.6	26113.62	132427	10.2800 ng/ml
Cocaine	4.271	142692	3283.44	48.7	156.32	1182164	9.9860 ng/ml
Codeine	2.589	14971	2048.08	106.5	95890.00	85492	10.1873 ng/ml
Cyclobenzaprine	5.627	140120	145074.34	9.4	153.35	681367	9.5561 ng/ml
Dextromethorphan	5.284	107189	3979.71	86.9	3610.88	510296	9.8571 ng/ml
Dextrorphan	4.123	72465	517.29	207.3	79247.84	818379	9.7908 ng/ml
Diazepam	5.954	72357	2244.83	90.8	1012.07	328564	9.8176 ng/ml
Dihydrocodeine	2.568	42003	61.30	66.6	495.22	265280	9.7150 ng/ml
Diphenhydramine	5.305	442189	6158.93	29.8	3303.31	2190938	9.6278 ng/ml
Doxylamine	4.552	357734	296.78	98.0	4530.13	1771378	9.6646 ng/ml
Duloxetine	5.653	17351	974.14	13.4	75.54	97041	9.8803 ng/ml
EDDP	5.270	172420	458.07	41.6	1300.30	934025	9.6317 ng/ml
Etizolam	5.814	60712	77250.76	25.4	13964.04	132427	9.1677 ng/ml
Fentanyl	5.104	14537	1096.88	77.7	967.06	850539	0.9571 ng/ml
Fluorofentanyl	5.158	40786	775.06	40.1	15467.76	7408	0.9617 ng/ml
Fluoxetine	5.714	183640	10017.41	7.3	16132.72	677248	9.5900 ng/ml
Hydrocodone	3.029	57755	335.36	33.5	124.52	323838	10.2654 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.629	39916	134901.61	78.3	1508.50	137943	9.9221 ng/ml
Hydroxyzine	5.704	168917	1571.76	77.0	27206.24	510296	9.7277 ng/ml
Ketamine	4.056	131448	3771.80	33.6	192.42	557554	10.2724 ng/ml
Lamotrigine	4.287	12966	181.08	85.5	22942.02	1633235	9.9855 ng/ml
Lorazepam	5.747	67141	370.63	52.8	209.07	555104	10.2522 ng/ml
MDA	3.215	178031	711.83	33.6	160.65	562741	10.3024 ng/ml
MDMA	3.309	136451	1695.22	94.4	603.28	152420	9.7530 ng/ml
Meprobamate	4.923	42116	456.35	36.3	40.54	180400	10.4355 ng/ml
Methadone	5.659	258210	958.55	55.1	2384.40	1082253	9.6279 ng/ml
Methamphetamine	3.250	312305	182.74	38.1	255.00	1083961	9.9613 ng/ml
Metoprolol	4.333	39638	42267.49	105.5	763.39	1549915	9.9750 ng/ml
Mirtazapine	4.634	273966	133626.74	55.4	673.50	866696	9.8438 ng/ml
Mitragynine	5.232	56656	53665.17	34.6	24098.57	1082253	9.8079 ng/ml
Morphine	1.261	7629	117.47	43.4	3544.57	7607	10.5395 ng/ml
Norbuprenorphine	5.006	676	425.58	91.8	∞	32545	1.2402 ng/ml
Nordiazepam	5.900	80824	301.30	53.6	115.65	265872	10.1387 ng/ml
Norfentanyl	4.090	31246	292.26	36.5	69.51	1294582	0.9644 ng/ml
Norhydrocodone	3.077	14100	69.89	34.9	67.56	107448	9.3296 ng/ml
Noroxycodone	2.920	31747	291.40	49.6	272.31	109624	10.0086 ng/ml
O-desmethyl-tramadol	3.376	330815	25466.46	5.7	918.90	1951768	9.7374 ng/ml
o-desmethylvenlafaxine	4.075	451986	10503.87	14.8	477.75	345818	9.4837 ng/ml
Olanzapine	4.475	44302	40.10	48.5	706.60	96103	10.0245 ng/ml
Oxazepam	5.756	97885	94.09	71.3	1178.28	555104	10.4067 ng/ml
Oxycodone	2.845	86487	723.48	29.6	570.96	347232	10.0224 ng/ml
Oxymorphone	1.419	25983	1115.17	50.4	665.17	93440	9.9153 ng/ml
Phentermine	3.792	70447	1372.92	7.9	160.84	801311	10.4771 ng/ml
Promethazine	5.551	275012	469.15	32.7	1960.74	1263022	9.5991 ng/ml
Pseudoephedrine	2.606	365258	7814.60	16.7	1335.37	1633235	9.5264 ng/ml
Quetiapine	5.547	207926	17329.24	56.0	136949.32	279556	10.3639 ng/ml
Sertraline	5.782	49257	367.02	95.2	50985.64	222552	9.8256 ng/ml
Temazepam	5.824	198838	1189.26	28.8	66.09	911924	9.4935 ng/ml
Tramadol	4.252	285505	266.87	3.8	41.32	1549915	9.9166 ng/ml
Trazodone	5.136	280920	4279.24	59.4	80537.07	871738	10.0741 ng/ml
Venlafaxine	5.051	260251	∞	37.8	1179.57	1641324	9.4802 ng/ml
Xylazine	4.090	116316	55937.54	41.9	166.66	417211	10.0179 ng/ml
Zolpidem	4.900	273066	128342.05	27.4	61339.73	1197216	9.9558 ng/ml



AM #28 Multi-Drug Quant. Results

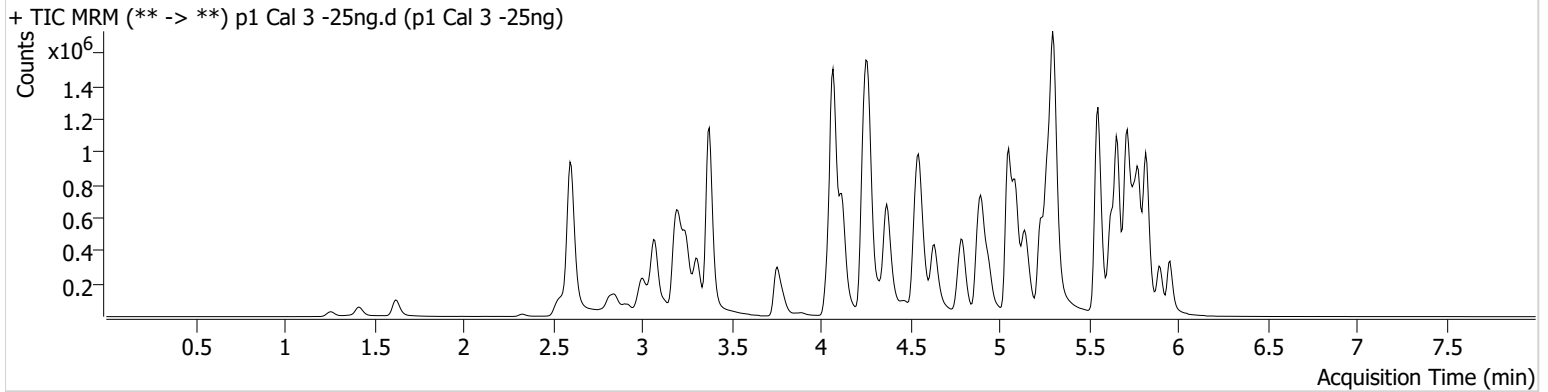
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Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F5
Injection Volume 2
Acq. Date-Time 1/19/2024 11:10:11 PM
Sample Info.

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

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	7614	12879.09	77.9	73.53	100543	2.3731 ng/ml
7-aminoclonazepam	4.271	160066	195176.54	76.1	225.71	270353	25.9313 ng/ml
a-hydroxyalprazolam	5.698	58628	1772.87	73.4	1144.17	107761	27.0445 ng/ml
alpha-PHP	4.943	148168	1021.39	262.9	315563.09	908993	24.9642 ng/ml
alpha-PVP	4.376	559717	422.80	49.2	139.44	908993	23.9006 ng/ml
Alprazolam	5.775	260193	262.77	109.8	503.58	419410	24.3770 ng/ml
Amphetamine	3.074	831392	7257.31	46.3	9044.00	455199	28.3460 ng/ml
Benzoylcegonine	3.896	11751	276.26	39.2	34.86	18847	22.4349 ng/ml
Bromazolam	5.814	114476	298.87	121.7	151539.95	225865	25.7243 ng/ml
Buprenorphine	5.792	12090	352.95	16.1	1226.39	199733	2.3996 ng/ml
Bupropion	4.792	514352	13235.98	67.8	8311.34	647486	24.7625 ng/ml
Carisoprodol	5.730	269193	658.66	64.4	171.83	487151	23.9346 ng/ml
Citalopram	5.227	429134	235.33	31.9	292505.45	786603	24.4099 ng/ml
Clonazepam	5.618	223553	11612.85	36.5	∞	130645	27.1015 ng/ml
Clonazolam	5.561	194848	121104.41	36.1	65157.56	130645	26.5051 ng/ml
Cocaine	4.264	381167	306391.26	50.6	416.41	1237764	25.0939 ng/ml
Codeine	2.589	40934	13705.80	98.4	47.32	88446	27.1822 ng/ml
Cyclobenzaprine	5.627	353906	64316.11	8.8	∞	652279	24.2778 ng/ml
Dextromethorphan	5.284	278139	190126.00	82.6	275.31	522933	24.5777 ng/ml
Dextrorphan	4.123	190609	65916.33	206.2	458.61	846057	24.5481 ng/ml
Diazepam	5.954	189842	1122.91	89.2	∞	331406	25.4966 ng/ml
Dihydrocodeine	2.561	118071	3621.35	66.9	154.06	275316	26.8331 ng/ml
Diphenhydramine	5.305	1164769	39089.15	29.7	18196.23	2212641	24.4093 ng/ml
Doxylamine	4.552	981009	812859.82	98.3	589.20	1871563	24.2978 ng/ml
Duloxetine	5.653	38404	1159.82	11.4	178.65	86063	24.7132 ng/ml
EDDP	5.270	467686	11431.23	40.0	103884.19	985279	24.2990 ng/ml
Etizolam	5.814	158213	53659.58	26.1	40712.50	130645	22.4575 ng/ml
Fentanyl	5.104	38196	304.99	74.6	27170.50	868109	2.3939 ng/ml
Fluorofentanyl	5.158	102959	400.12	41.2	2153.68	7493	2.2987 ng/ml
Fluoxetine	5.714	414324	24098.82	7.6	78974.49	580928	25.0740 ng/ml
Hydrocodone	3.029	152615	694.05	35.7	271.96	345061	25.7637 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.629	109371	1682.03	79.5	857.99	147567	25.2310 ng/ml
Hydroxyzine	5.704	433518	3392.57	77.6	12562.70	522933	23.4270 ng/ml
Ketamine	4.048	353756	1331.46	34.1	2506.61	604258	26.3919 ng/ml
Lamotrigine	4.287	35702	762.71	81.3	48194.29	1705321	27.0350 ng/ml
Lorazepam	5.747	148918	3217.31	58.2	198.69	521191	24.8264 ng/ml
MDA	3.215	461470	9283.12	33.3	325.47	577167	27.5428 ng/ml
MDMA	3.309	373475	3371.03	93.3	1745.55	162173	24.6556 ng/ml
Meprobamate	4.923	110529	17256.66	34.2	167.61	186574	27.4631 ng/ml
Methadone	5.659	667642	9153.68	54.8	8487.57	1086978	23.8568 ng/ml
Methamphetamine	3.250	828611	1661.69	37.9	3387.12	1167299	26.4571 ng/ml
Metoprolol	4.327	110541	2381.15	105.6	25117.97	1668407	26.6797 ng/ml
Mirtazapine	4.634	723423	1215835.51	55.5	3535.83	908993	23.8463 ng/ml
Mitragynine	5.232	149895	118693.19	34.4	39016.34	1086978	25.7638 ng/ml
Morphine	1.261	21100	9240.50	40.6	729.46	9218	24.3791 ng/ml
Norbuprenorphine	4.999	1442	2370.18	110.6	3517.25	35361	2.3920 ng/ml
Nordiazepam	5.900	198960	2184.97	56.5	517.34	264223	25.7079 ng/ml
Norfentanyl	4.090	84002	796.87	35.8	378.74	1326057	2.3856 ng/ml
Norhydrocodone	3.077	38776	270.02	36.6	82.77	110955	22.4146 ng/ml
Noroxycodone	2.920	86209	568.79	50.1	15426.41	117363	25.4353 ng/ml
O-desmethyl-tramadol	3.376	902726	2659.28	5.6	763.29	2078471	24.2034 ng/ml
o-desmethylvenlafaxine	4.068	1214268	96825.96	14.9	605.50	355410	23.6338 ng/ml
Olanzapine	4.469	139841	474.97	53.8	839.27	126115	23.5692 ng/ml
Oxazepam	5.756	226453	4348.82	72.9	2432.17	521191	26.5367 ng/ml
Oxycodone	2.845	230583	370.59	29.9	685.77	363462	25.5327 ng/ml
Oxymorphone	1.419	68456	∞	51.4	113.24	101986	24.1937 ng/ml
Phentermine	3.792	186085	150.12	7.4	290.23	850983	27.8089 ng/ml
Promethazine	5.551	703821	1100.83	33.4	3803.35	1264008	23.5196 ng/ml
Pseudoephedrine	2.606	999266	721.34	16.9	17961.04	1705321	23.8165 ng/ml
Quetiapine	5.547	530093	162.09	56.8	162797.99	292637	26.9099 ng/ml
Sertraline	5.782	99882	301.78	93.8	289.33	173509	24.9596 ng/ml
Temazepam	5.824	489431	11777.42	28.0	1134.74	861670	23.9158 ng/ml
Tramadol	4.252	834580	1637.42	3.3	187.57	1668407	26.5259 ng/ml
Trazodone	5.136	725550	19420.56	60.4	270.89	885190	26.8330 ng/ml
Venlafaxine	5.051	708702	1346.07	36.5	168.16	1722239	23.6360 ng/ml
Xylazine	4.090	302251	111372.47	44.8	2260.75	441278	24.2912 ng/ml
Zolpidem	4.900	745516	574901.98	26.5	174859.18	1289367	25.8849 ng/ml



AM #28 Multi-Drug Quant. Results

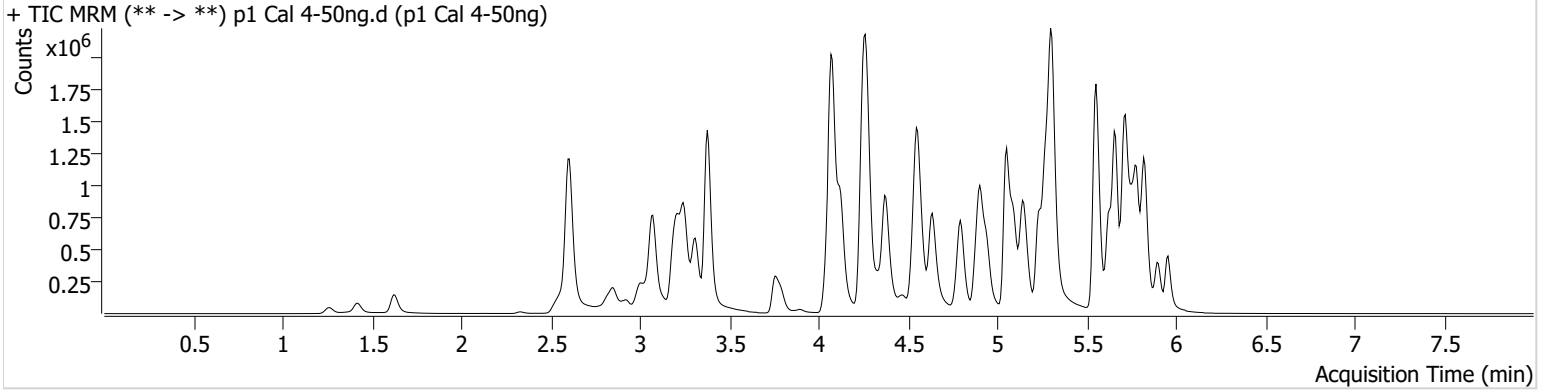
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Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-E5
Injection Volume 2
Acq. Date-Time 1/19/2024 11:20:50 PM
Sample Info.

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

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	14943	14624.03	72.6	13286.76	93993	4.8984 ng/ml
7-aminoclonazepam	4.271	276613	21882.69	73.8	6992.20	229867	53.2119 ng/ml
a-hydroxyalprazolam	5.698	104223	179.93	67.9	2557.77	91712	57.4176 ng/ml
alpha-PHP	4.943	271360	1671.67	264.1	3519.80	832827	50.0103 ng/ml
alpha-PVP	4.376	1039807	11697.23	50.1	13386.28	832827	47.9677 ng/ml
Alprazolam	5.775	460151	1717.22	108.9	597.94	368200	48.8345 ng/ml
Amphetamine	3.074	1471772	15280.13	45.5	8961.15	427522	54.9623 ng/ml
Benzoylcegonine	3.896	22709	89.99	40.6	1059.69	16137	50.7321 ng/ml
Bromazolam	5.814	195109	231660.87	123.5	363035.95	192178	51.5898 ng/ml
Buprenorphine	5.792	22614	41457.99	16.3	3676.83	180006	4.9772 ng/ml
Bupropion	4.792	958825	433.94	68.2	329.98	596452	50.0481 ng/ml
Carisoprodol	5.730	455681	32907.66	65.3	1734.61	412402	47.1998 ng/ml
Citalopram	5.227	779146	372.01	32.1	3622.31	715208	48.1941 ng/ml
Clonazepam	5.618	378011	1304.54	34.5	392886.14	106207	57.3567 ng/ml
Clonazolam	5.561	329156	199161.47	36.5	144052.28	106207	55.4512 ng/ml
Cocaine	4.271	687068	33717.20	52.4	360.51	1130480	49.2849 ng/ml
Codeine	2.589	73796	4828.28	100.3	8923.67	83405	52.1095 ng/ml
Cyclobenzaprine	5.627	616030	509588.94	9.2	172.29	569438	47.8402 ng/ml
Dextromethorphan	5.284	501035	10173.97	83.8	429.41	460980	49.9640 ng/ml
Dextrorphan	4.123	345805	17778.14	209.5	670.49	761389	49.2495 ng/ml
Diazepam	5.954	324407	3141.51	92.5	3032.11	298505	48.3487 ng/ml
Dihydrocodeine	2.561	221872	4500.33	65.8	5856.78	258136	54.0848 ng/ml
Diphenhydramine	5.305	2118357	53231.00	30.2	32514.04	2031133	47.9314 ng/ml
Doxylamine	4.552	1826825	8139.00	97.6	2531.86	1709374	49.0282 ng/ml
Duloxetine	5.653	63831	1234.79	12.5	4878.61	70124	50.4494 ng/ml
EDDP	5.270	881400	524.10	40.7	113.51	908312	49.3635 ng/ml
Etizolam	5.814	273904	3943.65	27.2	49218.40	106207	46.6143 ng/ml
Fentanyl	5.104	68106	242.65	78.1	69313.14	772762	4.7505 ng/ml
Fluorofentanyl	5.158	182726	2493.26	41.6	4571.78	6355	4.7357 ng/ml
Fluoxetine	5.714	668907	17610.21	7.7	329.62	486457	48.2567 ng/ml
Hydrocodone	3.029	283701	107.99	35.2	55.90	323470	51.2931 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.629	201575	955.38	80.0	959023.70	137639	49.7414 ng/ml
Hydroxyzine	5.704	771873	408047.55	76.9	687280.08	460980	46.6832 ng/ml
Ketamine	4.056	631370	235.96	33.9	343.88	547129	52.6001 ng/ml
Lamotrigine	4.287	63791	4610.36	86.4	80048.01	1581769	52.4754 ng/ml
Lorazepam	5.747	228886	9193.43	54.0	330.02	397200	50.5229 ng/ml
MDA	3.215	803935	14255.31	33.3	1694.55	527339	53.4105 ng/ml
MDMA	3.309	692636	3878.40	92.9	2704.08	150049	49.1433 ng/ml
Meprobamate	4.923	180391	238.07	35.0	37.88	164169	51.4849 ng/ml
Methadone	5.659	1193473	3676.59	54.8	867.92	962253	47.5723 ng/ml
Methamphetamine	3.250	1508029	9576.10	38.2	874.97	1097999	52.4123 ng/ml
Metoprolol	4.333	204536	41136.79	105.7	98656.67	1591626	52.2420 ng/ml
Mirtazapine	4.634	1333644	508897.21	55.6	10194.91	832827	47.3563 ng/ml
Mitragynine	5.232	267935	219669.06	35.4	133424.19	962253	51.9762 ng/ml
Morphine	1.261	39564	65.83	42.2	∞	8171	51.8554 ng/ml
Norbuprenorphine	4.999	2898	3275.50	100.8	39006.13	32163	5.2329 ng/ml
Nordiazepam	5.900	343805	315.34	54.7	5072.87	227632	51.9695 ng/ml
Norfentanyl	4.090	151297	229.05	37.0	275.78	1188449	4.7039 ng/ml
Norhydrocodone	3.077	75594	460.01	36.7	90.69	103845	45.1056 ng/ml
Noroxycodone	2.920	157261	899.11	49.4	690.24	105919	51.4441 ng/ml
O-desmethyl-tramadol	3.383	1663705	1242.06	5.8	973.85	1913649	47.9685 ng/ml
o-desmethylvenlafaxine	4.075	2229185	1198108.05	14.6	677.28	325758	46.6180 ng/ml
Olanzapine	4.469	231595	864.96	54.2	649.46	106364	45.9094 ng/ml
Oxazepam	5.756	348314	3725.41	67.7	220.52	397200	54.1808 ng/ml
Oxycodone	2.845	428211	4693.45	29.4	3264.27	342330	50.3465 ng/ml
Oxymorphone	1.419	127592	1586.97	51.4	∞	91542	50.4362 ng/ml
Phentermine	3.792	335780	206.08	7.3	116.10	801081	54.3834 ng/ml
Promethazine	5.551	1251383	758.47	33.5	2792.01	1120849	46.4954 ng/ml
Pseudoephedrine	2.606	1832702	22366.25	17.1	34316.54	1581769	46.4024 ng/ml
Quetiapine	5.547	951043	2094505.75	57.9	96483.85	270540	53.3164 ng/ml
Sertraline	5.782	159761	368.76	94.3	10821.17	142469	48.2682 ng/ml
Temazepam	5.824	792479	44187.06	27.6	252.77	694408	47.5391 ng/ml
Tramadol	4.252	1557457	173.70	3.5	123.13	1591626	51.6646 ng/ml
Trazodone	5.136	1319974	105589.90	61.2	2721.79	804725	54.4822 ng/ml
Venlafaxine	5.051	1296213	19495.50	37.9	287.26	1612935	45.5820 ng/ml
Xylazine	4.090	556013	2435.87	45.5	1085.09	399235	49.1636 ng/ml
Zolpidem	4.900	1379987	358283.56	26.9	703.10	1187422	52.4531 ng/ml



AM #28 Multi-Drug Quant. Results

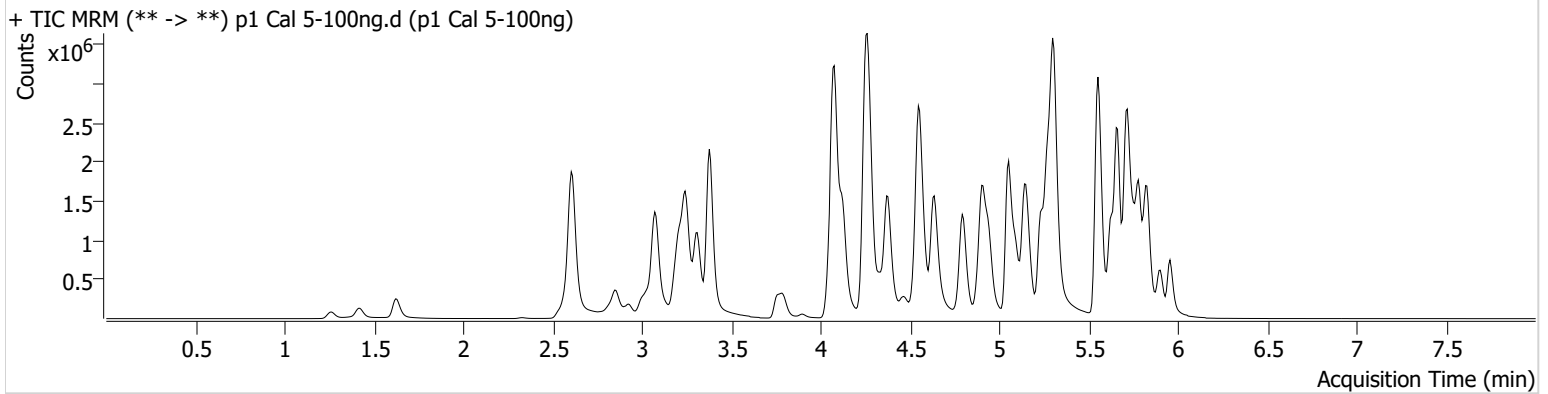
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Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D5
Injection Volume 2
Acq. Date-Time 1/19/2024 11:31:27 PM
Sample Info.

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

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	30235	42035.09	73.7	41812.50	93311	9.9048 ng/ml
7-aminoclonazepam	4.271	494445	11972.44	72.0	11202.46	201504	109.0150 ng/ml
a-hydroxyalprazolam	5.698	170074	145.32	68.1	151.21	77242	112.0458 ng/ml
alpha-PHP	4.943	569792	4195.11	261.1	460061.58	846737	103.4005 ng/ml
alpha-PVP	4.376	2171314	359.00	50.0	85238.99	846737	98.0136 ng/ml
Alprazolam	5.782	890513	427.77	105.4	∞	341640	101.5632 ng/ml
Amphetamine	3.074	2705250	19767.41	46.0	755.39	414131	105.8488 ng/ml
Benzoylcegonine	3.896	48491	168.44	38.1	3325.53	16767	104.3358 ng/ml
Bromazolam	5.814	343987	398377.36	128.7	609549.37	176599	99.0354 ng/ml
Buprenorphine	5.792	47292	53344.46	15.0	5206.97	186071	10.0661 ng/ml
Bupropion	4.792	1973972	1144661.20	68.8	36198.95	602997	101.8547 ng/ml
Carisoprodol	5.730	787158	16236.93	67.1	3491.12	349337	95.5682 ng/ml
Citalopram	5.227	1628484	36624.19	31.9	1189.39	726284	98.6104 ng/ml
Clonazepam	5.618	635134	16410.00	36.1	136054.93	99259	103.8449 ng/ml
Clonazolam	5.561	549923	702717.89	36.8	127214.38	99259	99.4007 ng/ml
Cocaine	4.271	1390036	2673182.23	51.5	219.38	1149818	97.7890 ng/ml
Codeine	2.589	134912	148.84	98.1	144.32	78086	101.9028 ng/ml
Cyclobenzaprine	5.627	1314857	44911.72	9.2	106323.67	601835	96.0320 ng/ml
Dextromethorphan	5.284	1035582	18039.06	80.9	238.73	478534	99.2344 ng/ml
Dextrorphan	4.123	700912	312.46	206.3	1470.11	760537	99.6942 ng/ml
Diazepam	5.954	665583	8945.01	89.7	277.83	294239	100.6075 ng/ml
Dihydrocodeine	2.568	432667	10060.15	67.5	295.24	263005	103.7951 ng/ml
Diphenhydramine	5.305	4384804	42721.30	29.9	34826.19	2038427	98.3945 ng/ml
Doxylamine	4.552	3917182	2851.54	95.9	123775.23	1806838	98.9510 ng/ml
Duloxetine	5.653	132255	2065.68	12.7	6432.52	71926	101.9470 ng/ml
EDDP	5.270	1812750	88051.85	42.0	43756.87	946566	97.1316 ng/ml
Etizolam	5.814	528482	9062.67	26.5	167922.55	99259	95.0947 ng/ml
Fentanyl	5.104	153642	266348.75	74.9	125491.64	824010	10.0004 ng/ml
Fluorofentanyl	5.158	391253	18120.40	41.5	13296.49	6341	10.0845 ng/ml
Fluoxetine	5.714	1385331	41660.92	7.4	6233.68	489099	99.3039 ng/ml
Hydrocodone	3.029	559122	∞	36.8	∞	313575	104.4931 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.622	410799	4214.61	79.5	767694.03	138599	100.5482 ng/ml
Hydroxyzine	5.704	1615694	2750.44	80.3	1283356.24	478534	93.5013 ng/ml
Ketamine	4.056	1260148	480.69	34.1	425.50	563066	102.5722 ng/ml
Lamotrigine	4.287	124884	3453.33	86.3	6910.61	1522805	107.1536 ng/ml
Lorazepam	5.747	345743	6990.38	52.0	978.98	320020	95.1127 ng/ml
MDA	3.215	1478295	3592.57	32.9	2927.02	495202	105.5308 ng/ml
MDMA	3.309	1385601	5489.82	94.5	2413.06	147680	99.6027 ng/ml
Meprobamate	4.923	321494	15656.00	34.1	5262.51	155239	97.6004 ng/ml
Methadone	5.659	2603776	153816.90	53.5	910.82	1000827	99.1394 ng/ml
Methamphetamine	3.250	3027417	4569.88	37.7	5937.92	1113565	105.0296 ng/ml
Metoprolol	4.333	398754	9943.17	104.8	356119.66	1593695	102.2147 ng/ml
Mirtazapine	4.634	2780175	201719.91	55.1	2107.11	846737	96.4506 ng/ml
Mitragynine	5.239	552530	934179.37	34.6	13194.92	1000827	103.0096 ng/ml
Morphine	1.261	78195	11282.06	41.1	279.14	8099	103.6514 ng/ml
Norbuprenorphine	4.999	5746	83.37	108.6	3239.79	32390	10.2573 ng/ml
Nordiazepam	5.900	641641	711.49	55.2	6709.43	212001	104.5454 ng/ml
Norfentanyl	4.090	278250	42913.59	37.8	71.80	1065913	9.5515 ng/ml
Norhydrocodone	3.077	157193	∞	37.5	∞	100284	95.4386 ng/ml
Noroxycodone	2.927	309058	5967.37	50.0	11070.67	104077	102.9215 ng/ml
O-desmethyl-tramadol	3.376	3459252	345612.89	5.9	7268.43	1934978	98.1331 ng/ml
o-desmethylvenlafaxine	4.075	4338901	60532.73	14.6	1625.58	305387	96.0190 ng/ml
Olanzapine	4.462	497398	2140.24	53.4	1435.77	104913	99.5085 ng/ml
Oxazepam	5.756	528066	13994.55	71.5	5062.13	320020	102.4905 ng/ml
Oxycodone	2.852	877845	8736.28	30.3	1135.12	347942	101.5505 ng/ml
Oxymorphone	1.419	266017	∞	49.4	∞	91065	105.9066 ng/ml
Phentermine	3.792	635724	∞	7.3	573.31	794902	104.8311 ng/ml
Promethazine	5.544	2708516	1385.09	33.0	29836.32	1150717	97.2921 ng/ml
Pseudoephedrine	2.613	3660444	77345.61	16.8	19355.57	1522805	95.5090 ng/ml
Quetiapine	5.554	1863567	96220.07	59.1	71455.90	268982	106.2072 ng/ml
Sertraline	5.783	339086	255.50	92.5	292.40	143858	101.0476 ng/ml
Temazepam	5.824	1393600	10287.93	26.9	271.05	586774	98.3849 ng/ml
Tramadol	4.252	3174535	171.93	3.5	417.48	1593695	104.9268 ng/ml
Trazodone	5.136	2721121	382146.18	62.2	1793.01	855816	106.3451 ng/ml
Venlafaxine	5.051	2776063	738.19	35.7	465.07	1614514	96.8354 ng/ml
Xylazine	4.090	1125075	115887.19	47.5	3721.31	399131	99.2814 ng/ml
Zolpidem	4.907	2839766	2195.84	27.3	1541845.47	1228161	104.7756 ng/ml



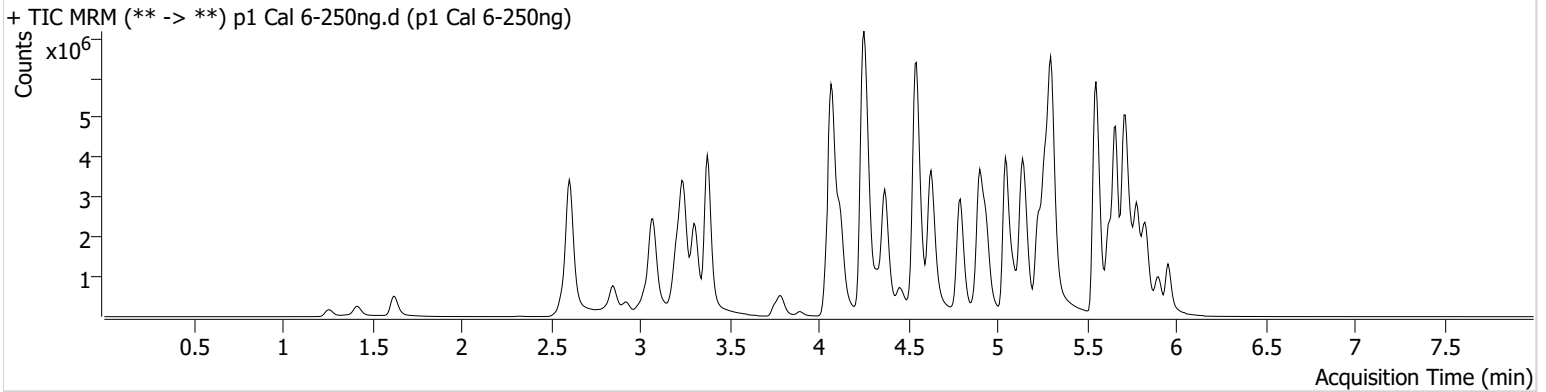
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\011924 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901) Data File p1 Cal 6-250ng.d
Type Cal Sample p1 Cal 6-250ng
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum
Sample Position P2-C5 Comment
Injection Volume 2
Acq. Date-Time 1/19/2024 11:42:04 PM
Sample Info.

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.136	71529	48662.63	72.9	80.07	87156	24.9710 ng/ml
7-aminoclonazepam	4.271	772485	15642.01	79.2	3053.99	140657	244.6028 ng/ml
a-hydroxyalprazolam	5.698	247699	102.03	71.4	123.14	54941	230.3153 ng/ml
alpha-PHP	4.936	1280400	17859.09	265.1	21989.82	776390	253.5658 ng/ml
alpha-PVP	4.369	5042252	48326.23	50.7	24973.28	776390	247.4949 ng/ml
Alprazolam	5.782	1740775	368.24	105.1	∞	264104	256.4126 ng/ml
Amphetamine	3.074	5421545	30008.04	43.9	949.23	387080	228.9382 ng/ml
Benzoylcegonine	3.896	119869	809.89	37.9	144.54	17115	252.7741 ng/ml
Bromazolam	5.814	612616	755746.05	127.2	315631.84	129276	241.0266 ng/ml
Buprenorphine	5.792	102827	106303.56	15.3	10962.48	167916	24.2487 ng/ml
Bupropion	4.792	4744494	69072.91	68.5	50239.34	580788	254.0810 ng/ml
Carisoprodol	5.730	1399697	775674.05	64.4	5558.79	232486	254.2454 ng/ml
Citalopram	5.227	3578865	175138.69	32.0	28623.29	615589	254.8045 ng/ml
Clonazepam	5.611	1026007	20577.16	35.4	834.62	73225	228.4810 ng/ml
Clonazolam	5.561	857802	1103984.77	39.1	205253.25	73225	210.5638 ng/ml
Cocaine	4.264	3047241	505384.02	52.1	109341.59	1003687	245.2115 ng/ml
Codeine	2.589	269100	261.33	96.7	177.94	65796	241.4444 ng/ml
Cyclobenzaprine	5.627	3069416	135636.10	8.4	79257.46	537134	250.2599 ng/ml
Dextromethorphan	5.277	2196147	25507.42	78.1	177727.98	400272	251.2094 ng/ml
Dextrorphan	4.123	1496440	36865.17	214.3	57383.58	642445	251.6119 ng/ml
Diazepam	5.954	1415654	∞	91.1	7802.86	250118	251.6953 ng/ml
Dihydrocodeine	2.561	956460	35201.63	66.6	404.18	253346	238.5933 ng/ml
Diphenhydramine	5.305	9766993	242030.63	29.6	15426.70	1754417	253.9562 ng/ml
Doxylamine	4.545	9875612	168268.12	94.2	1891.96	1708818	262.9538 ng/ml
Duloxetine	5.653	279742	3601.34	12.3	1142.93	60115	258.0600 ng/ml
EDDP	5.263	4180094	25161.89	40.7	30053.35	840432	251.7895 ng/ml
Etizolam	5.821	1071549	14067.99	26.9	734.64	73225	259.4922 ng/ml
Fentanyl	5.104	378910	23675.37	72.1	167796.49	805526	25.1612 ng/ml
Fluorofentanyl	5.158	961832	5346.40	42.0	16263.96	5907	26.5027 ng/ml
Fluoxetine	5.714	2841346	39283.06	7.2	153790.76	396263	251.2504 ng/ml
Hydrocodone	3.029	1310022	∞	37.7	1613.47	304135	252.7195 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.622	939566	3712.75	78.2	2398369.27	128235	248.3841 ng/ml
Hydroxyzine	5.704	3752140	44432.54	80.7	2093410.09	400272	258.4897 ng/ml
Ketamine	4.048	2726498	77810.89	33.3	486.85	514923	243.4917 ng/ml
Lamotrigine	4.287	236931	1562.54	90.0	292227.00	1287263	241.0239 ng/ml
Lorazepam	5.747	461132	12824.47	53.4	790.78	175698	231.6948 ng/ml
MDA	3.208	2720120	10637.68	32.6	7120.72	416508	232.0396 ng/ml
MDMA	3.309	3116522	117682.91	96.4	14425.86	130832	252.4528 ng/ml
Meprobamate	4.923	548735	8189.53	34.8	9776.88	116219	223.3346 ng/ml
Methadone	5.659	6058779	97830.18	53.9	324865.53	899538	255.7273 ng/ml
Methamphetamine	3.243	6915622	43900.58	36.8	21146.95	1105352	243.4073 ng/ml
Metoprolol	4.327	852945	3146.45	108.8	237916.85	1420136	246.0978 ng/ml
Mirtazapine	4.627	6651944	8427.02	53.6	32000.72	776390	250.6866 ng/ml
Mitragynine	5.232	1235925	9211.20	34.6	1592.74	899538	256.2962 ng/ml
Morphine	1.261	174651	777.60	43.7	21001.91	7437	252.4527 ng/ml
Norbuprenorphine	4.992	13534	167.80	100.5	70183.26	31918	24.4568 ng/ml
Nordiazepam	5.900	1177362	538.46	56.1	1265.40	162598	250.6789 ng/ml
Norfentanyl	4.090	518693	299.49	37.8	∞	763299	24.7207 ng/ml
Norhydrocodone	3.070	361287	∞	40.3	133.35	88213	247.0091 ng/ml
Noroxycodone	2.920	674062	9240.18	51.9	577.92	93772	249.1878 ng/ml
O-desmethyl-tramadol	3.376	8314320	263869.88	5.8	7163.61	1771362	256.8708 ng/ml
o-desmethylvenlafaxine	4.082	8814537	155493.81	14.6	6660.50	233758	253.6502 ng/ml
Olanzapine	4.455	1238427	2385.48	57.0	2512.02	104259	248.7279 ng/ml
Oxazepam	5.756	681228	5871.81	70.7	14998.72	175698	241.6483 ng/ml
Oxycodone	2.845	2038566	3566.97	31.1	814.69	323877	253.3518 ng/ml
Oxymorphone	1.413	579861	3296.11	51.4	∞	83582	251.7746 ng/ml
Phentermine	3.792	1320095	∞	7.3	2576.23	735003	236.8891 ng/ml
Promethazine	5.544	6507710	873.79	32.0	824.91	1042373	256.9689 ng/ml
Pseudoephedrine	2.606	8235598	119307.22	16.4	1345.63	1287263	253.0309 ng/ml
Quetiapine	5.553	3838389	71568.86	60.6	29917.38	245957	240.6903 ng/ml
Sertraline	5.783	734284	255.05	93.6	6765.53	129375	242.7877 ng/ml
Temazepam	5.831	2081349	766.93	27.5	∞	344106	249.7757 ng/ml
Tramadol	4.245	7173244	∞	3.7	175.08	1420136	265.7096 ng/ml
Trazodone	5.136	6290187	2389.18	64.3	141450.59	825625	255.9121 ng/ml
Venlafaxine	5.044	6837462	184885.28	32.8	9523.64	1477013	259.6839 ng/ml
Xylazine	4.083	2483107	141292.37	49.4	18907.94	343258	254.4418 ng/ml
Zolpidem	4.900	6926263	185773.60	26.3	1945771.80	1210897	259.8146 ng/ml



AM #28 Multi-Drug Quant. Results

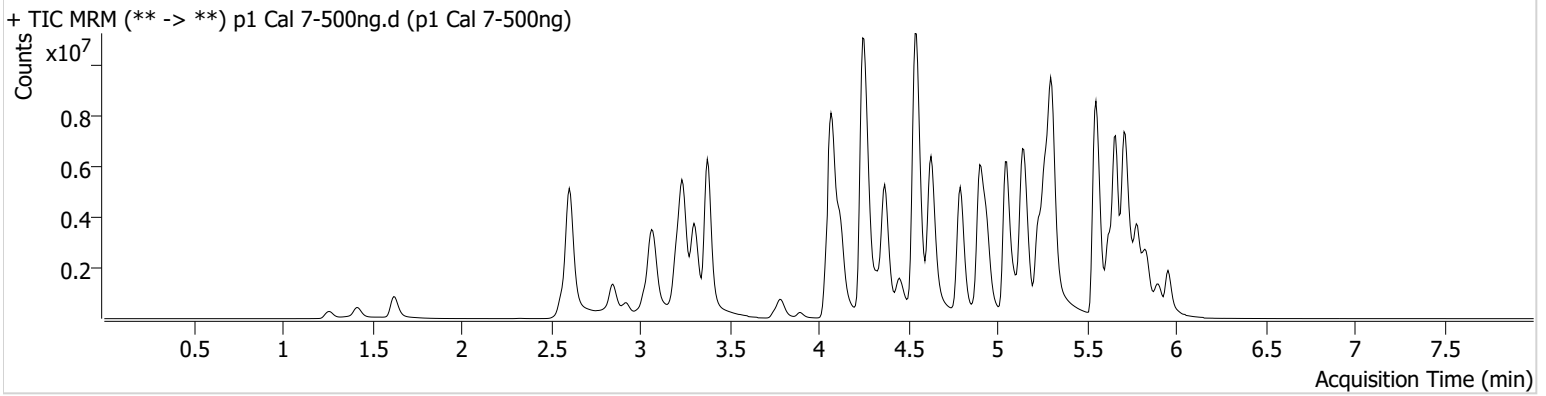
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Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B5
Injection Volume 2
Acq. Date-Time 1/19/2024 11:52:41 PM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.136	132396	339.95	70.0	64010.96	76819	52.3558 ng/ml
7-aminoclonazepam	4.271	957810	37807.37	72.8	3557.78	89619	476.4725 ng/ml
a-hydroxyalprazolam	5.692	315901	205.21	67.6	786.05	35273	458.3605 ng/ml
alpha-PHP	4.943	2184509	26265.83	264.9	1259.99	659272	509.5748 ng/ml
alpha-PVP	4.369	9076011	256973.51	49.7	65445.98	659272	524.0906 ng/ml
Alprazolam	5.782	2593295	1343.86	101.9	514.85	183098	550.6761 ng/ml
Amphetamine	3.067	8227146	2288.82	43.4	1376.76	336993	400.3356 ng/ml
Benzoylcegonine	3.896	238647	738.43	39.0	3155.56	16958	507.9861 ng/ml
Bromazolam	5.821	819298	110202.29	128.7	819037.22	85221	489.0430 ng/ml
Buprenorphine	5.792	170081	1460.86	14.8	14863.75	140004	48.1016 ng/ml
Bupropion	4.792	8691082	126716.15	67.4	76819.52	530999	509.0117 ng/ml
Carisoprodol	5.730	1864547	4229134.69	65.3	7278.64	149025	527.6498 ng/ml
Citalopram	5.227	5439859	907609.21	32.0	∞	459885	517.8610 ng/ml
Clonazepam	5.611	1231432	9121.12	34.6	28886.85	48505	414.7220 ng/ml
Clonazolam	5.568	1001117	8435.19	38.2	306774.27	48505	371.2456 ng/ml
Cocaine	4.264	5056386	5299.31	51.8	429.71	816528	499.8948 ng/ml
Codeine	2.582	425363	3204.21	94.5	5927.00	55988	448.6352 ng/ml
Cyclobenzaprine	5.627	4867905	157727.73	8.3	947.94	407582	522.4303 ng/ml
Dextromethorphan	5.277	3279044	53583.24	78.3	∞	296327	506.3933 ng/ml
Dextrorphan	4.123	2457845	52232.66	215.0	600661.66	525668	504.8324 ng/ml
Diazepam	5.954	2265902	330.06	87.3	130.98	203312	495.5858 ng/ml
Dihydrocodeine	2.561	1644159	12677.96	66.3	45013.47	233738	444.8113 ng/ml
Diphenhydramine	5.305	16226589	∞	29.8	43739.29	1389109	532.3910 ng/ml
Doxylamine	4.547	18526179	19456.69	93.0	486372.65	1575238	534.6094 ng/ml
Duloxetine	5.653	359683	3148.48	12.8	3147.78	39194	508.9494 ng/ml
EDDP	5.270	7179162	118745.26	40.3	27372.16	712556	509.7401 ng/ml
Etizolam	5.821	1638579	15856.37	27.4	1856.80	48505	597.6305 ng/ml
Fentanyl	5.104	700552	59633.70	72.6	19063.19	732409	51.1178 ng/ml
Fluorofentanyl	5.158	1708438	50541.74	42.5	16486.69	5216	53.2423 ng/ml
Fluoxetine	5.714	3805821	69291.76	7.2	143762.12	265111	502.9283 ng/ml
Hydrocodone	3.023	2362384	1988.12	39.1	1390.97	287359	482.5275 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.622	1724204	9188670.28	79.6	3660308.98	116800	500.3175 ng/ml
Hydroxyzine	5.704	6206887	389737.87	82.0	354820.49	296327	576.8251 ng/ml
Ketamine	4.048	4308226	75666.48	33.2	616.61	443177	447.5338 ng/ml
Lamotrigine	4.287	342206	23703.14	87.2	6282.96	1046792	428.4216 ng/ml
Lorazepam	5.747	535313	59861.54	56.3	1693.17	95613	494.7607 ng/ml
MDA	3.208	4085784	1249.09	31.5	3068.68	338824	429.2834 ng/ml
MDMA	3.302	5020123	9613.79	95.0	21025.62	104030	511.1438 ng/ml
Meprobamate	4.923	687828	780.61	34.4	4696.46	86375	377.1089 ng/ml
Methadone	5.659	10297539	116892.34	53.0	2373.29	750393	520.4097 ng/ml
Methamphetamine	3.243	11716537	86095.81	35.6	821.93	1028162	444.4180 ng/ml
Metoprolol	4.327	1366598	1153.06	108.2	239503.49	1245004	450.2016 ng/ml
Mirtazapine	4.627	11969947	245394.74	52.9	187877.99	659272	530.5481 ng/ml
Mitragynine	5.232	1937909	2357.58	36.7	4408.05	750393	481.7027 ng/ml
Morphine	1.261	304503	7265.11	42.0	267.78	6669	491.1073 ng/ml
Norbuprenorphine	4.999	24451	480.70	101.7	82695.60	28695	49.1010 ng/ml
Nordiazepam	5.900	1481546	90067.06	57.5	10293.62	108158	474.5787 ng/ml
Norfentanyl	4.090	703397	64.73	38.6	6563.03	439169	58.1444 ng/ml
Norhydrocodone	3.070	671107	1016.35	35.1	∞	73777	546.8289 ng/ml
Noroxycodone	2.920	1179165	10919.39	52.1	7039.04	80804	505.9064 ng/ml
O-desmethyl-tramadol	3.376	14870352	287951.93	5.7	10772.60	1544663	526.3416 ng/ml
o-desmethylvenlafaxine	4.081	12972425	151306.40	14.3	14029.48	170580	510.8290 ng/ml
Olanzapine	4.448	2610856	13012.68	62.6	5895.41	105452	518.0191 ng/ml
Oxazepam	5.756	714458	6396.21	70.3	1990.27	95613	466.2817 ng/ml
Oxycodone	2.845	3804227	1774.47	30.7	1675.61	311911	490.9269 ng/ml
Oxymorphone	1.419	1066386	∞	52.1	1324.31	77238	501.2309 ng/ml
Phentermine	3.792	2143353	∞	7.2	2006.06	698622	405.4832 ng/ml
Promethazine	5.544	10818254	139062.97	31.5	1771.82	838252	530.4960 ng/ml
Pseudoephedrine	2.606	13906602	200179.76	16.1	65558.42	1046792	524.6597 ng/ml
Quetiapine	5.553	5938772	83153.49	58.9	147223.75	219339	418.4431 ng/ml
Sertraline	5.782	913117	872.98	90.7	38083.22	77641	502.6967 ng/ml
Temazepam	5.831	2260423	36385.54	27.2	111.83	176547	528.1553 ng/ml
Tramadol	4.245	11812923	2571.56	3.8	104.44	1245004	498.9172 ng/ml
Trazodone	5.136	10550210	243004.23	68.8	66323.81	753888	470.7282 ng/ml
Venlafaxine	5.044	12190593	117538.60	33.1	1541.69	1276087	535.2492 ng/ml
Xylazine	4.083	4223178	179786.45	50.5	2440.05	290884	510.4400 ng/ml
Zolpidem	4.900	12374442	223187.64	25.8	100229.77	1126833	499.2004 ng/ml



AM #28 Multi-Drug Quant. Results

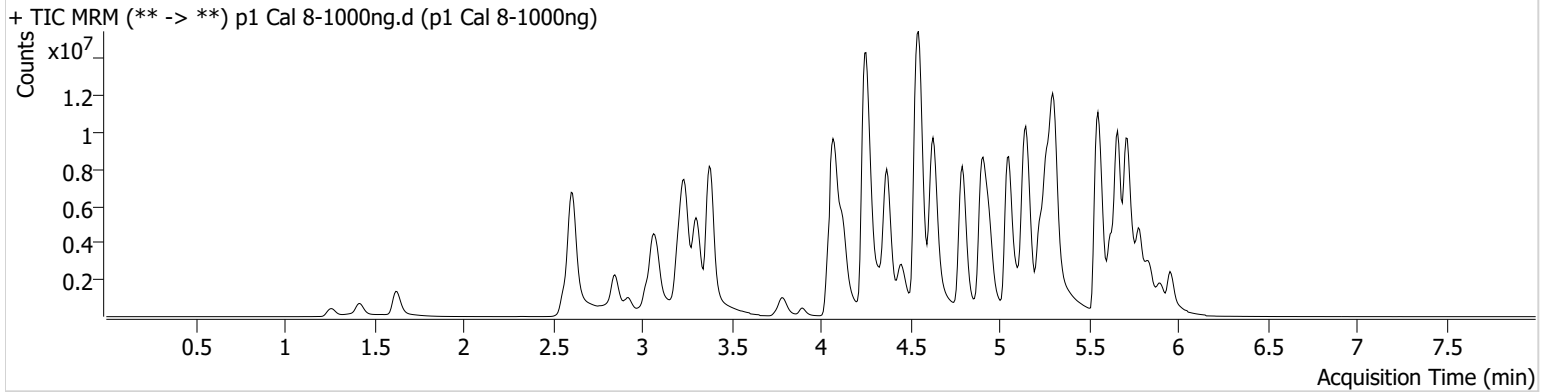
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Calibration Last Update 1/22/2024 9:39:17 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-A5
Injection Volume 2
Acq. Date-Time 1/20/2024 12:03:18 AM
Sample Info.

Data File p1 Cal 8-1000ng.d
Sample p1 Cal 8-1000ng
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.
6-MAM	3.136	221560	1169.99	70.2	1761.87	65264	103.0536 ng/ml
7-aminoclonazepam	4.278	912619	4028.84	73.2	8098.79	45054	903.4974 ng/ml
a-hydroxyalprazolam	5.692	329935	280.51	66.6	2668.22	20299	832.5614 ng/ml
alpha-PHP	4.943	3312381	40765.66	264.7	254449.52	530130	960.9918 ng/ml
alpha-PVP	4.369	14804949	98397.78	50.4	66494.10	530130	1062.6692 ng/ml
Alprazolam	5.782	2967473	528.58	120.5	90.42	124436	927.0037 ng/ml
Amphetamine	3.067	10997748	1054.80	43.8	893.35	277921	649.9767 ng/ml
Benzoylcegonine	3.896	481536	2956.47	37.8	2698.88	16902	1028.4690 ng/ml
Bromazolam	5.821	1008233	474263.41	134.8	1413960.76	50719	1011.2626 ng/ml
Buprenorphine	5.792	252319	192906.91	15.1	71408.08	90793	110.0341 ng/ml
Bupropion	4.792	14540680	529780.77	67.2	130653.66	468850	964.4370 ng/ml
Carisoprodol	5.730	2176550	229758.69	66.4	18714.57	85970	1067.0352 ng/ml
Citalopram	5.228	7429530	207121.63	32.1	2474860.46	317784	1022.9997 ng/ml
Clonazepam	5.611	1254310	19707.15	34.3	∞	29478	695.7092 ng/ml
Clonazolam	5.575	1045683	451592.35	38.6	462549.14	29478	638.3177 ng/ml
Cocaine	4.264	7328918	176460.86	50.7	818.01	562878	1050.8058 ng/ml
Codeine	2.582	590038	8656.26	95.5	6251.78	45780	761.1937 ng/ml
Cyclobenzaprine	5.627	6996238	1076.51	7.7	15163.88	284036	1076.8322 ng/ml
Dextromethorphan	5.277	4285374	46352.37	77.9	34402.05	193884	1011.2356 ng/ml
Dextrorphan	4.123	3576616	34794.70	224.9	28050.21	376449	1025.5767 ng/ml
Diazepam	5.954	3349713	1895.83	89.0	3120.15	146119	1019.3709 ng/ml
Dihydrocodeine	2.561	2443914	51773.94	69.3	34422.69	208346	741.9626 ng/ml
Diphenhydramine	5.305	22745702	80138.31	31.6	78736.60	1025589	1010.4085 ng/ml
Doxylamine	4.545	28498964	4953.39	95.3	95256.40	1367236	947.1258 ng/ml
Duloxetine	5.647	334961	1750.24	12.0	1061.36	19785	938.9575 ng/ml
EDDP	5.263	12435953	160143.47	39.3	35691.83	597035	1053.5191 ng/ml
Etizolam	5.821	2338278	12195.83	27.5	11244.35	29478	1401.8610 ng/ml
Fentanyl	5.104	1286899	3048407.12	71.4	1874.74	641154	107.2184 ng/ml
Fluorofentanyl	5.164	2849342	44655.13	42.5	10412.80	3631	127.4705 ng/ml
Fluoxetine	5.714	4454939	71804.84	7.3	543149.45	149244	1045.6553 ng/ml
Hydrocodone	3.023	3987955	1425.10	37.2	∞	254513	919.8669 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.622	2974857	8840084.08	79.6	15543291.2 1	100645	1001.6643 ng/ml
Hydroxyzine	5.704	9006347	4653.78	83.2	12793.51	193884	1278.4731 ng/ml
Ketamine	4.041	5709942	131223.74	32.7	360.80	372915	705.2409 ng/ml
Lamotrigine	4.294	394769	10851.44	89.7	1501.91	740988	698.4636 ng/ml
Lorazepam	5.747	675697	24139.20	54.0	1044.46	53692	1112.6545 ng/ml
MDA	3.201	5460298	3016.37	30.8	2683.55	255749	760.8134 ng/ml
MDMA	3.302	7726673	11026.31	94.0	6998.57	80935	1010.9435 ng/ml
Meprobamate	4.923	709492	68.06	34.3	5707.08	46585	721.8187 ng/ml
Methadone	5.659	16211015	71541.18	54.2	109334.30	588286	1044.4199 ng/ml
Methamphetamine	3.236	17733925	172043.57	35.4	76907.44	933248	741.9476 ng/ml
Metoprolol	4.327	1809209	90189.24	108.5	67227.91	1017353	729.7072 ng/ml
Mirtazapine	4.627	19299363	196939.88	52.5	728060.43	530130	1063.1729 ng/ml
Mitragynine	5.232	2940274	849346.49	34.5	503782.50	588286	932.2118 ng/ml
Morphine	1.261	504343	11162.98	40.9	12052.45	5819	932.4628 ng/ml
Norbuprenorphine	4.999	43558	321.77	98.6	208397.89	24825	101.0599 ng/ml
Nordiazepam	5.900	1909902	9404.12	55.5	20162.37	70487	939.1463 ng/ml
Norfentanyl	4.090	780279	19036.66	38.6	6154.00	209684	134.9716 ng/ml
Norhydrocodone	3.070	1129209	189.15	34.3	118.16	58059	1167.5241 ng/ml
Noroxycodone	2.920	1835397	∞	54.0	363.90	68940	922.9977 ng/ml
O-desmethyl-tramadol	3.376	22684245	458.45	6.1	50195.44	1222692	1013.9050 ng/ml
o-desmethylvenlafaxine	4.081	15888102	72253.40	14.4	10571.64	94110	1133.1430 ng/ml
Olanzapine	4.448	4741644	14341.73	60.4	7839.25	90762	1092.6326 ng/ml
Oxazepam	5.756	800324	9082.88	68.8	3758.03	53692	930.7343 ng/ml
Oxycodone	2.845	6726505	10272.62	30.4	1248.66	280422	965.5189 ng/ml
Oxymorphone	1.419	1930509	1625.91	49.6	885.20	73289	956.4589 ng/ml
Phentermine	3.785	3211008	∞	7.2	4660.21	603778	703.7505 ng/ml
Promethazine	5.544	16185287	1235.52	31.2	71949.13	622045	1068.8716 ng/ml
Pseudoephedrine	2.613	20819025	275397.35	15.8	175810.46	740988	1108.8126 ng/ml
Quetiapine	5.553	8017499	151374.18	59.6	65523.62	179638	690.5104 ng/ml
Sertraline	5.782	1042335	281097.70	90.8	411.80	42236	1054.4382 ng/ml
Temazepam	5.837	2487575	14709.42	27.3	9685.98	96294	1065.1169 ng/ml
Tramadol	4.245	15833693	1106.21	3.8	61.55	1017353	818.2250 ng/ml
Trazodone	5.136	16641349	2826.67	72.7	172177.83	674396	830.6190 ng/ml
Venlafaxine	5.052	19157664	152380.83	32.9	519790.56	1000879	1071.8300 ng/ml
Xylazine	4.083	6762504	96235.96	50.3	13384.72	236379	1005.6125 ng/ml
Zolpidem	4.900	19038947	350234.87	26.7	178034.40	1022504	846.7147 ng/ml