

Worklist: 6536

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-4037	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4038	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4039	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4163	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4209	5	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2621	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2977	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2992	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-2998	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3000	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3001	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3010	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3013	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3015	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3022	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3030	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3053	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3055	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3090	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 10/18/2023

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

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

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

Pre-Analytic:

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

Analytic:

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

Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

Comments: Calibrators and QC 10 failed to acquire. Run was restarted from the beginning and samples were reinjected.

Curve Limits:

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

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

Clonazolam: 5-500 --calibrator 8 dropped due to accuracy

Codeine: 5-500 -- calibrator 8 dropped to accuracy

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

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

Hydroxyzine 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

Methamphetamine: 5-500 -- calibrator 8 dropped due to accuracy

Metoprolol: 5-500 -- calibrator 8 dropped due to accuracy

Norbuprenorphine: 1-100 -- calibrator 1 dropped due to ratio

O-desmethylvenlafaxine: 5-500 -- calibrator 8 dropped due to accuracy/peak shape ↪ 10/20/23

Phentermine: 5-500 -- calibrator 8 dropped due to accuracy

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

Temazepam: 5-500 -- calibrator 8 dropped due to peak shape and accuracy and ISTD peak shape ↪ 10/20/23

	1	2	3	4	5	6	7	8	9	10	11	12
A									M2023-4038-1	P2023-3000-2	P2023-3055-1	IS + Cal. 8
B									M2023-4039-1	P2023-3001-1	P2023-3090-1	IS + Cal. 7
C									M2023-4163-1	P2023-3010-1	Neg Ctrl	IS + Cal. 6
D									M2023-4209-5	P2023-3013-1	IS + QC_2	IS + Cal. 5
E									P2023-2621-1	P2023-3015-1	IS + QC_4	IS + Cal. 4
F									P2023-2977-1	P2023-3022-1	IS + QC_3	IS + Cal. 3
G									P2023-2992-1	P2023-3030-1	IS + QC_2	IS + Cal. 2
H								M2023-4037-1	P2023-2998-1	P2023-3053-1	IS + QC_1	IS + Cal. 1

AM #28 Multi-Drug Quant. Results



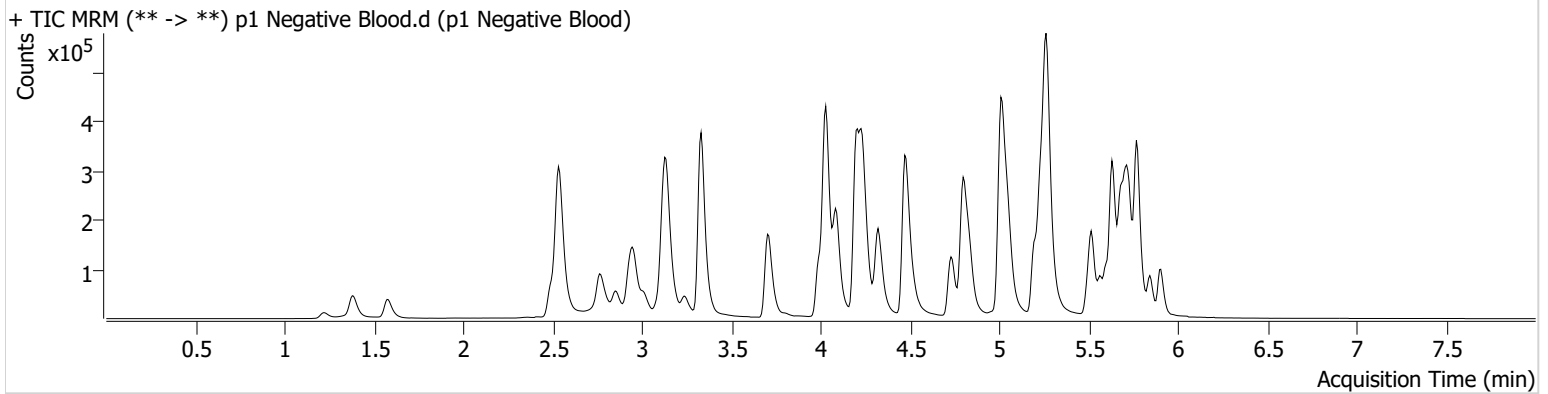
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Calibration Last Update 10/20/2023 7:40:13 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C11
Injection Volume 2
Acq. Date-Time 10/19/2023 12:26:49 PM
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

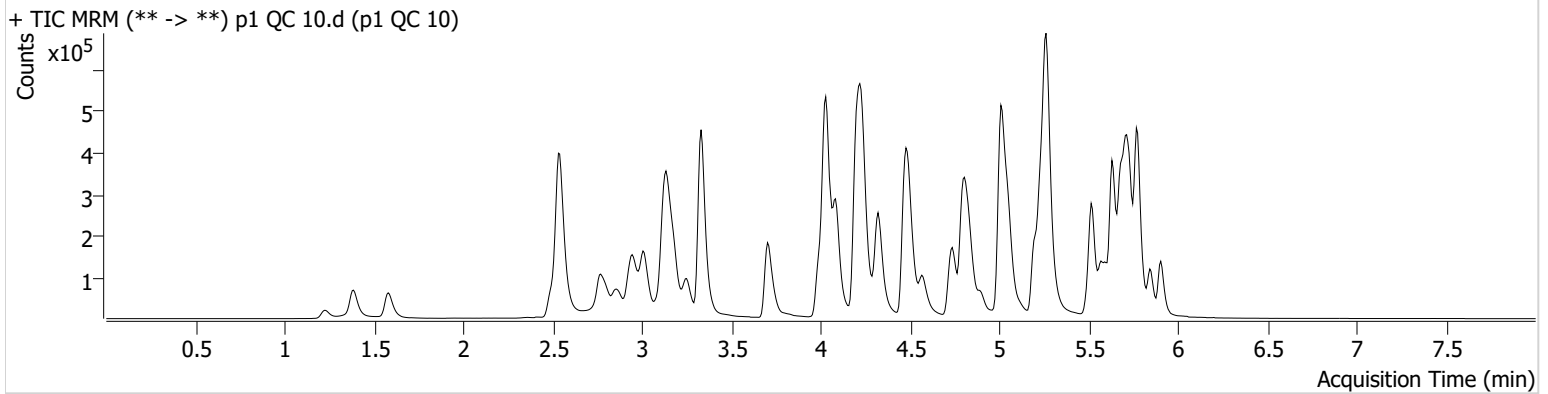
Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Calibration Last Update 10/20/2023 7:40:13 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-H11
Injection Volume 2
Acq. Date-Time 10/19/2023 11:23:01 AM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	2179	442.37	70.9	1841.78	72747	0.9344 ng/ml
7-aminoclonazepam	4.211	29530	81.71	81.0	230.31	119798	11.0032 ng/ml
a-hydroxyalprazolam	5.655	20509	180.20	66.6	119.45	91245	9.8638 ng/ml
alpha-PHP	4.902	32532	122.08	257.5	9270.68	500930	9.8519 ng/ml
alpha-PVP	4.330	123869	504.18	49.0	374.40	500930	9.9682 ng/ml
Alprazolam	5.733	66933	∞	119.5	725.37	295772	10.2576 ng/ml
Amphetamine	3.016	201864	785.69	54.8	447.10	332050	10.3826 ng/ml
Benzoylcegonine	3.831	3703	59.63	7.7	∞	11550	10.5678 ng/ml
Bromazolam	5.771	27208	31379.25	121.3	38975.27	134588	9.7582 ng/ml
Buprenorphine	5.735	2416	2559.46	17.5	249.18	85810	1.1030 ng/ml
Bupropion	4.751	115011	113288.77	68.4	4905.71	385906	9.8753 ng/ml
Carisoprodol	5.687	84995	463666.51	55.8	280.01	364699	10.4251 ng/ml
Citalopram	5.199	88996	284.02	38.2	37216.27	384716	10.4144 ng/ml
Clonazepam	5.575	86679	3507.66	33.6	579.03	115529	10.1986 ng/ml
Clonazolam	5.518	56621	6839.03	35.0	18818.60	115529	10.1855 ng/ml
Cocaine	4.231	88870	997.94	54.1	228.46	766019	10.1556 ng/ml
Codeine	2.539	11487	278.88	108.6	1361.07	65149	10.9629 ng/ml
Cyclobenzaprine	5.605	43074	351.95	7.7	56.66	168052	10.4204 ng/ml
Dextromethorphan	5.242	54737	1016.82	78.6	782.66	238965	10.3076 ng/ml
Dextrorphan	4.091	41653	2728.13	216.2	200.34	479103	9.7480 ng/ml
Diazepam	5.911	44310	850.99	91.9	342.20	207670	10.0826 ng/ml
Dihydrocodeine	2.524	31271	1884.80	60.2	380.46	174893	10.0283 ng/ml
Diphenhydramine	5.270	254473	4371.60	30.0	115.04	1262316	9.7984 ng/ml
Doxylamine	4.491	254156	2259.65	100.5	7846.41	1101471	10.0499 ng/ml
Duloxetine	5.624	2371	1543.35	12.7	24.29	11181	10.5595 ng/ml
EDDP	5.235	94319	119.84	43.9	595.16	484718	10.5157 ng/ml
Etizolam	5.778	26178	37561.17	25.8	7322.44	115529	9.8062 ng/ml
Fentanyl	5.062	5817	506.06	78.5	5229.28	293853	1.0286 ng/ml
Fluorofentanyl	5.116	12759	974.71	36.8	649.42	2087	1.1428 ng/ml
Fluoxetine	5.685	26824	263.40	7.6	247.39	93690	10.1697 ng/ml
Hydrocodone	2.985	51708	127.07	32.0	66.20	261928	10.2483 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	45304	1695.90	73.6	214.57	142377	9.6054 ng/ml
Hydroxyzine	5.681	77892	2081.22	69.5	523.66	238965	9.7980 ng/ml
Ketamine	4.003	81071	420.18	37.8	97.03	337070	10.8282 ng/ml
Lamotrigine	4.240	7864	206.74	78.8	9354.59	1009662	11.0755 ng/ml
Lorazepam	5.711	62927	900.30	46.9	70.74	400561	10.9188 ng/ml
MDA	3.163	139897	2432.26	32.9	432.95	520488	10.4577 ng/ml
MDMA	3.258	79256	1668.04	94.2	354.86	98647	10.0075 ng/ml
Meprobamate	4.855	53857	450.01	30.5	1687.81	221729	10.6103 ng/ml
Methadone	5.637	163562	2505.48	42.5	1605.00	589987	10.1379 ng/ml
Methamphetamine	3.184	172323	631.09	40.2	460.15	660358	10.4643 ng/ml
Metoprolol	4.293	24748	3924.83	98.0	508.16	968098	10.4055 ng/ml
Mirtazapine	4.573	162310	318.16	44.6	775.26	500930	9.5237 ng/ml
Mitragynine	5.197	25712	22479.12	36.3	10010.87	589987	9.9898 ng/ml
Morphine	1.233	8498	482.61	36.7	141.97	23123	9.9662 ng/ml
Norbuprenorphine	4.964	511	428.02	112.0	233.68	15356	1.1346 ng/ml
Nordiazepam	5.851	46684	455.45	62.0	1363.95	154754	10.2387 ng/ml
Norfentanyl	4.050	18876	49.18	36.9	81.67	771321	0.9602 ng/ml
Norhydrocodone	3.033	11432	221.39	40.0	87.01	91276	8.7380 ng/ml
Noroxycodone	2.876	49441	281.49	48.9	694.34	171159	9.9915 ng/ml
O-desmethyl-tramadol	3.338	186598	13349.61	6.0	308.48	1108362	9.9220 ng/ml
o-desmethylvenlafaxine	4.036	192547	2954.75	25.5	529.88	248083	10.0607 ng/ml
Olanzapine	4.326	7016	155.01	51.6	121.34	16083	10.2760 ng/ml
Oxazepam	5.713	81844	1042.04	73.6	107.22	400561	10.7101 ng/ml
Oxycodone	2.794	92457	670.43	27.8	506.73	357031	10.4195 ng/ml
Oxymorphone	1.385	50402	231.77	43.2	250.63	178136	9.9049 ng/ml
Phentermine	3.740	42577	185.55	7.5	47.07	552077	10.1322 ng/ml
Promethazine	5.521	68192	898.11	28.8	∞	292835	10.1149 ng/ml
Pseudoephedrine	2.549	202454	1100.19	17.3	1276.20	1009662	10.0305 ng/ml
Quetiapine	5.510	117349	154.59	58.1	2078.66	167009	10.6523 ng/ml
Sertraline	5.747	6375	75.21	98.5	435.10	28094	9.9702 ng/ml
Temazepam	5.774	138339	1620.32	26.5	70.43	613883	10.1884 ng/ml
Tramadol	4.212	182790	336.23	3.6	42.26	968098	9.8925 ng/ml
Trazodone	5.053	117328	439.01	59.5	230.79	386117	10.0890 ng/ml
Venlafaxine	5.016	175892	289.95	36.9	636.78	977627	9.7678 ng/ml
Xylazine	4.044	62640	3882.39	44.3	368.22	228094	10.1887 ng/ml
Zolpidem	4.817	198718	1302.24	29.2	819.72	836902	9.8639 ng/ml

AM #28 Multi-Drug Quant. Results

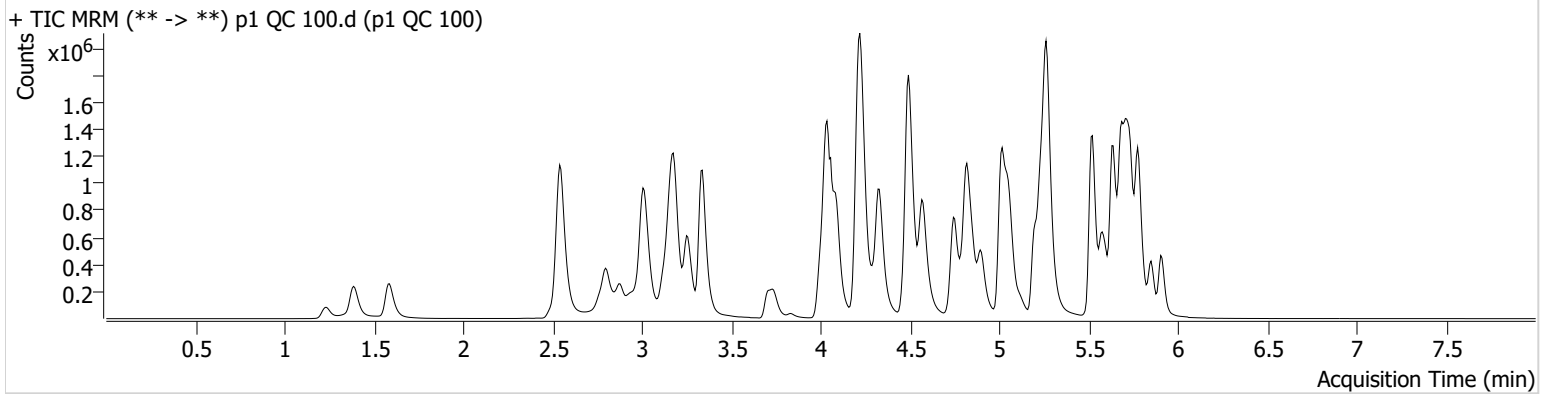


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Calibration Last Update 10/20/2023 7:40:13 AM

Instrument Falco (069901) **Data File** p1 QC 100.d
Type QC **Sample** p1 QC 100
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-G11 **Comment**
Injection Volume 2
Acq. Date-Time 10/19/2023 7:39:18 PM
Sample Info.

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	24172	33754.86	69.5	335.02	73014	10.5515 ng/ml
7-aminoclonazepam	4.204	272302	2478.69	79.8	1398.81	122510	111.0376 ng/ml
a-hydroxyalprazolam	5.655	186677	986.92	70.4	978.91	80472	101.8055 ng/ml
alpha-PHP	4.902	339416	2462.43	255.5	23954.89	498923	99.0890 ng/ml
alpha-PVP	4.330	1301224	1447.50	49.7	28786.19	498923	101.1008 ng/ml
Alprazolam	5.733	659570	1088.89	118.5	2651.13	275530	105.0549 ng/ml
Amphetamine	3.009	1982891	25063.50	49.2	852.50	339014	105.0782 ng/ml
Benzoylcegonine	3.831	35101	606.22	8.1	1688.08	11829	99.3177 ng/ml
Bromazolam	5.771	245749	215639.27	123.7	204340.05	120828	103.2306 ng/ml
Buprenorphine	5.735	22449	998.07	16.6	4138.24	82043	10.4406 ng/ml
Bupropion	4.751	1205773	101312.61	67.6	40200.57	396563	101.2761 ng/ml
Carisoprodol	5.687	710737	858957.73	56.1	3128.67	321965	100.0349 ng/ml
Citalopram	5.199	881546	599.50	39.0	305.63	386929	100.5978 ng/ml
Clonazepam	5.575	827798	1361353.42	34.5	664.18	110616	105.8202 ng/ml
Clonazolam	5.518	519928	532477.10	36.0	210759.92	110616	104.1577 ng/ml
Cocaine	4.231	873305	76992.77	55.8	607.57	770742	97.7574 ng/ml
Codeine	2.539	106517	477.00	106.5	163.94	63118	110.5989 ng/ml
Cyclobenzaprine	5.605	395387	17578.17	7.8	758.38	163033	96.4330 ng/ml
Dextromethorphan	5.243	517742	1440.51	78.3	820133.19	231152	102.0062 ng/ml
Dextrorphan	4.091	421881	1265.06	215.1	1136.55	459904	98.6100 ng/ml
Diazepam	5.911	422844	1036.77	94.1	3086.79	198258	103.6965 ng/ml
Dihydrocodeine	2.518	332249	34202.50	57.7	429.26	182321	109.2121 ng/ml
Diphenhydramine	5.270	2536139	41387.55	30.5	1029.74	1282789	93.4250 ng/ml
Doxylamine	4.491	2659943	8790.24	100.3	11766.84	1134184	99.0901 ng/ml
Duloxetine	5.631	18306	560.24	12.8	233.32	9909	97.9946 ng/ml
EDDP	5.235	996317	643.81	43.2	954338.16	526585	100.6339 ng/ml
Etizolam	5.778	246784	5495.61	26.6	48526.09	110616	94.4141 ng/ml
Fentanyl	5.062	54150	112.01	81.7	24235.19	278603	9.3280 ng/ml
Fluorofentanyl	5.116	116302	2581.98	37.7	7649.72	2051	10.4879 ng/ml
Fluoxetine	5.685	204544	51405.33	8.3	18690.92	76765	97.0295 ng/ml
Hydrocodone	2.978	508090	∞	33.1	177.54	274739	102.7252 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	483332	7451.45	70.9	6207.99	143898	100.2403 ng/ml
Hydroxyzine	5.681	721717	8668.32	73.9	6000.96	231152	91.4925 ng/ml
Ketamine	4.003	780924	1455.63	38.5	893.65	346356	109.3786 ng/ml
Lamotrigine	4.240	67856	625.23	88.9	4447.92	991764	100.9062 ng/ml
Lorazepam	5.711	461080	7496.26	47.2	613.80	332659	104.1609 ng/ml
MDA	3.157	1279228	4472.25	32.5	3198.09	494710	106.8989 ng/ml
MDMA	3.258	821161	6847.73	95.2	7119.12	97578	102.6748 ng/ml
Meprobamate	4.855	473185	11615.15	29.1	323.90	198953	105.8988 ng/ml
Methadone	5.637	1610285	1993.86	43.3	1237.63	605382	95.4809 ng/ml
Methamphetamine	3.184	1745881	12997.11	39.9	5950.86	717344	103.7544 ng/ml
Metoprolol	4.293	236550	857897.30	99.9	7100.90	984346	103.3456 ng/ml
Mirtazapine	4.573	1641129	75588.79	45.1	1536.73	498923	91.0069 ng/ml
Mitragynine	5.197	260573	3666.97	33.4	66188.24	605382	98.4616 ng/ml
Morphine	1.233	88531	483.28	36.2	1506.55	23166	108.0718 ng/ml
Norbuprenorphine	4.971	3229	40.55	117.5	19428.76	16171	9.7042 ng/ml
Nordiazepam	5.851	453094	7735.37	63.5	1247.00	145782	105.4394 ng/ml
Norfentanyl	4.050	179757	1229.16	36.5	371.59	698657	9.6793 ng/ml
Norhydrocodone	3.033	98710	∞	38.2	106.64	68489	87.2359 ng/ml
Noroxycodone	2.876	487979	2323.79	47.7	377.32	171962	99.4265 ng/ml
O-desmethyl-tramadol	3.338	1946848	597074.02	6.0	375.86	1149496	96.8392 ng/ml
o-desmethylvenlafaxine	4.056	1887981	857905.30	25.5	2558.88	228488	102.9841 ng/ml
Olanzapine	4.326	144783	1596.43	55.6	787.94	31456	105.2198 ng/ml
Oxazepam	5.713	652488	5694.41	72.6	2241.01	332659	102.4023 ng/ml
Oxycodone	2.794	972688	3382.94	28.4	3858.12	373696	105.8149 ng/ml
Oxymorphone	1.385	499662	∞	43.9	∞	177002	100.8389 ng/ml
Phentermine	3.740	421221	553.56	6.9	625.90	577094	102.1273 ng/ml
Promethazine	5.521	644557	1114.04	31.2	10632.99	280016	95.7761 ng/ml
Pseudoephedrine	2.549	2061170	76219.85	17.1	588.18	991764	98.1152 ng/ml
Quetiapine	5.510	1170643	613.27	58.1	14017.32	170974	108.1340 ng/ml
Sertraline	5.753	43443	260.52	100.1	329.43	20691	95.2305 ng/ml
Temazepam	5.781	1111922	757.09	27.6	1484.21	512492	98.4137 ng/ml
Tramadol	4.212	1887914	∞	3.6	461.15	984346	104.5152 ng/ml
Trazodone	5.053	1097754	1255514.05	59.9	237479.01	366477	99.7960 ng/ml
Venlafaxine	5.016	1834159	148667.87	35.7	538.57	988359	97.3110 ng/ml
Xylazine	4.044	635137	583475.55	47.1	3186.10	229957	101.7605 ng/ml
Zolpidem	4.817	2134302	1100.49	28.3	5837.35	860945	103.5463 ng/ml



AM #28 Multi-Drug Quant. Results

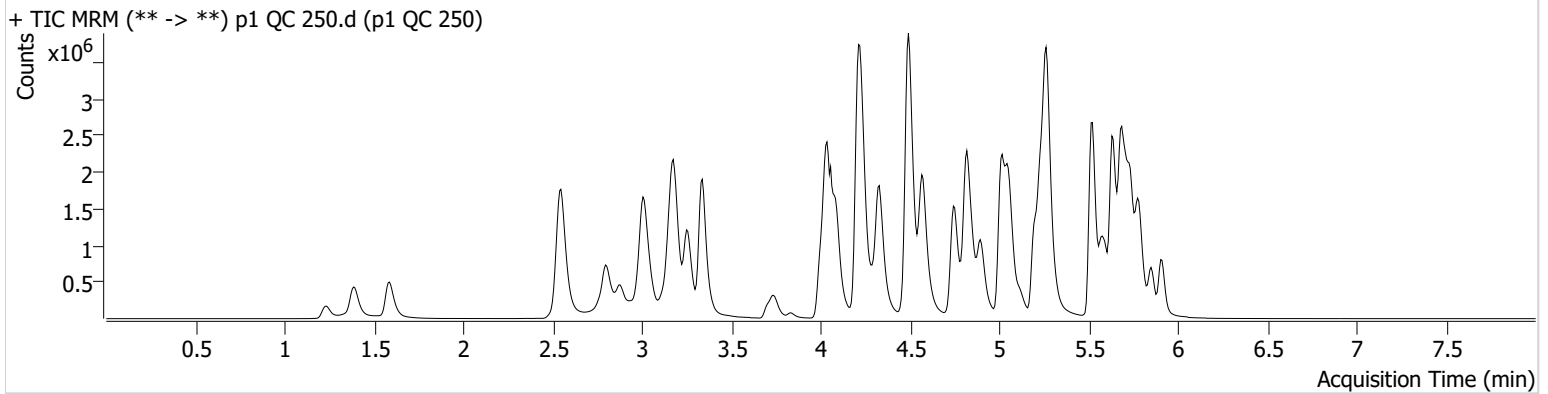
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Calibration Last Update 10/20/2023 7:40:13 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F11
Injection Volume 2
Acq. Date-Time 10/19/2023 11:44:17 AM
Sample Info.

Data File p1 QC 250.d
Sample p1 QC 250
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	3.099	53242	49258.74	70.2	56323.37	66790	25.4376 ng/ml
7-aminoclonazepam	4.204	505464	228.76	82.2	2675.78	106339	239.1375 ng/ml
a-hydroxyalprazolam	5.655	320720	416.53	71.5	993.74	55982	251.4236 ng/ml
alpha-PHP	4.902	729792	4019.93	266.1	7460.76	429235	246.9945 ng/ml
alpha-PVP	4.330	2705354	43708.35	50.8	7032.01	429235	243.7248 ng/ml
Alprazolam	5.733	1283296	∞	112.7	46042.72	210644	266.8064 ng/ml
Amphetamine	3.009	3567967	1427.03	49.7	1397.79	294931	217.9781 ng/ml
Benzoylcegonine	3.831	84041	440.90	7.8	1365.54	11296	249.2826 ng/ml
Bromazolam	5.771	425314	598746.24	124.4	546749.96	87930	246.2705 ng/ml
Buprenorphine	5.735	47825	2604.24	15.2	1886.70	75272	24.2011 ng/ml
Bupropion	4.745	2703222	160565.08	67.0	1043.10	362556	248.4305 ng/ml
Carisoprodol	5.687	1214956	6905160.21	54.5	25916.28	222595	247.5655 ng/ml
Citalopram	5.199	1933804	48051.79	37.5	2763.87	336711	253.2499 ng/ml
Clonazepam	5.575	1462973	16575.91	36.1	25340.77	83158	249.3865 ng/ml
Clonazolam	5.518	883908	836143.10	36.9	498500.38	83158	236.4953 ng/ml
Cocaine	4.231	1780892	23604.41	56.1	60955.23	621392	247.0170 ng/ml
Codeine	2.546	200494	5370.48	100.3	234.73	52366	251.7621 ng/ml
Cyclobenzaprine	5.605	936291	14127.83	8.0	1272.79	156571	237.4066 ng/ml
Dextromethorphan	5.243	1111382	1253.07	77.7	1254.43	198264	255.4952 ng/ml
Dextrorphan	4.091	902294	42602.26	212.8	1604.97	379785	254.6869 ng/ml
Diazepam	5.911	876623	∞	90.8	2172.44	162529	262.7339 ng/ml
Dihydrocodeine	2.518	652835	8833.47	61.4	1116.18	167009	235.1376 ng/ml
Diphenhydramine	5.270	5656381	840.45	30.1	633.09	1075148	248.1050 ng/ml
Doxylamine	4.491	6256098	74661.92	96.7	199693.11	1052905	250.5359 ng/ml
Duloxetine	5.624	41124	6761.03	15.4	6330.85	8777	249.7259 ng/ml
EDDP	5.235	2318121	419.30	43.1	1715.92	481312	255.8819 ng/ml
Etizolam	5.778	475458	5740.87	26.4	3765.14	83158	241.5858 ng/ml
Fentanyl	5.062	139519	7557.29	79.5	102.75	274827	24.2232 ng/ml
Fluorofentanyl	5.116	321026	3745.03	36.3	14410.15	2348	25.2625 ng/ml
Fluoxetine	5.685	461622	438786.78	8.2	1260.61	67494	249.5087 ng/ml
Hydrocodone	2.978	1050872	329.27	33.0	∞	242581	241.7080 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	1035700	1286112.24	72.0	12344.04	124902	247.2886 ng/ml
Hydroxyzine	5.675	1674535	18601.12	76.4	26177.46	198264	247.0249 ng/ml
Ketamine	4.003	1630161	41939.55	37.6	18875.69	308919	257.2551 ng/ml
Lamotrigine	4.240	117970	7208.67	88.7	126793.89	760105	229.4862 ng/ml
Lorazepam	5.711	593091	1034.90	47.8	842.13	184990	242.2487 ng/ml
MDA	3.157	2206098	6440.14	31.8	7421.86	371392	246.5121 ng/ml
MDMA	3.258	1701799	88650.22	96.7	6055.07	82123	252.4982 ng/ml
Meprobamate	4.855	862193	565.53	29.3	314.89	153105	251.0528 ng/ml
Methadone	5.630	3734399	141622.74	41.5	1068.32	528786	253.1587 ng/ml
Methamphetamine	3.184	3614492	26396.66	39.1	20603.61	640630	241.4992 ng/ml
Metoprolol	4.293	476674	572887.90	99.7	1686.01	889391	231.2956 ng/ml
Mirtazapine	4.573	3769888	9224.73	44.3	6491.55	429235	241.9599 ng/ml
Mitragynine	5.197	569943	2512.61	34.6	388223.44	528786	246.5234 ng/ml
Morphine	1.233	186900	1694.18	36.1	∞	20685	256.1635 ng/ml
Norbuprenorphine	4.964	8150	5987.13	108.1	3849.57	14925	27.5478 ng/ml
Nordiazepam	5.851	842158	85248.18	63.5	5530.27	110825	257.7861 ng/ml
Norfentanyl	4.050	326981	951.56	37.4	346.85	496678	24.6987 ng/ml
Norhydrocodone	3.033	184343	664.82	39.8	306.20	48288	228.9845 ng/ml
Noroxycodone	2.876	956157	18025.32	47.6	4113.57	136255	246.0844 ng/ml
O-desmethyl-tramadol	3.338	4337440	227867.28	5.9	12062.85	971762	254.6739 ng/ml
o-desmethylvenlafaxine	4.056	3732548	542722.97	25.9	7950.21	181880	255.1403 ng/ml
Olanzapine	4.326	445869	4050.01	57.1	476.68	38075	267.1875 ng/ml
Oxazepam	5.713	917463	11576.61	73.6	1559.36	184990	258.8525 ng/ml
Oxycodone	2.794	2148801	10958.04	28.2	∞	344092	254.0392 ng/ml
Oxymorphone	1.385	1052680	510.98	44.2	∞	158209	237.9870 ng/ml
Phentermine	3.740	848836	∞	6.7	998.12	509085	234.2446 ng/ml
Promethazine	5.521	1630313	1621.90	31.3	464.59	274698	246.1939 ng/ml
Pseudoephedrine	2.549	4083004	1518.55	16.9	67939.62	760105	252.6033 ng/ml
Quetiapine	5.510	2471203	2363.90	60.9	5517.38	159350	245.5474 ng/ml
Sertraline	5.753	98368	309.98	92.5	498.84	16997	263.1222 ng/ml
Temazepam	5.781	1717626	34690.73	27.1	4590.33	312197	249.6131 ng/ml
Tramadol	4.212	3765612	∞	3.8	∞	889391	231.2523 ng/ml
Trazodone	5.053	2535881	602.66	65.1	415.65	336796	250.9104 ng/ml
Venlafaxine	5.016	4088509	1932.91	34.9	818.93	874763	244.5230 ng/ml
Xylazine	4.037	1318294	26132.62	49.6	806.56	192227	252.5550 ng/ml
Zolpidem	4.817	4776035	305885.91	29.0	5458.74	776252	257.0802 ng/ml

AM #28 Multi-Drug Quant. Results

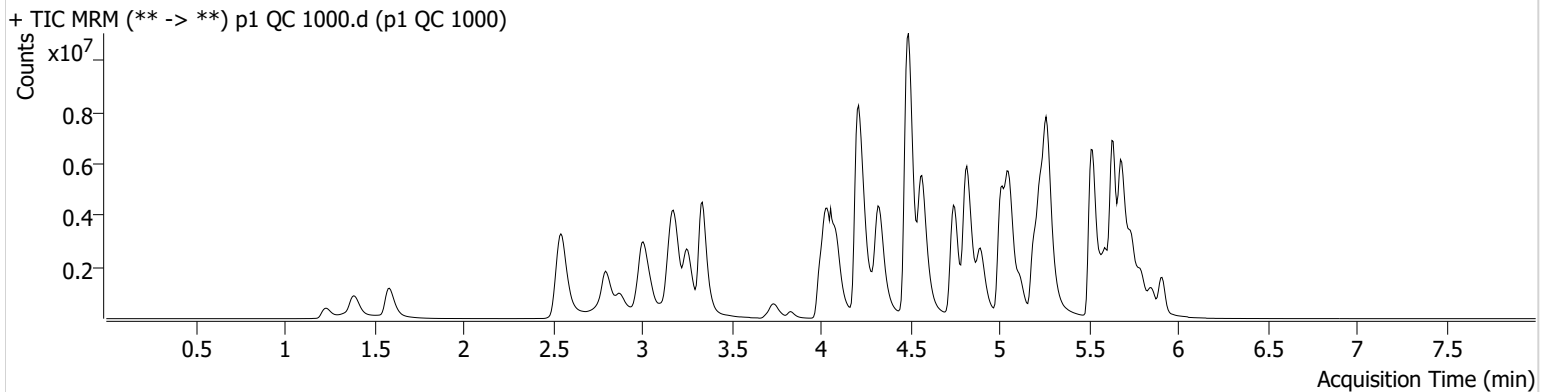


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Calibration Last Update 10/20/2023 7:40:13 AM

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-E11 **Comment**
Injection Volume 2
Acq. Date-Time 10/19/2023 12:05:34 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	3.099	179098	2446.72	70.5	258367.48	53445	107.0076 ng/ml
7-aminoclonazepam	4.197	945212	28708.33	79.7	4557.60	77622	614.9299 ng/ml
a-hydroxyalprazolam	5.656	454050	1469.31	71.2	640.79	18981	1049.8160 ng/ml
alpha-PHP	4.895	2109863	6691.01	262.2	121897.86	282731	1082.6144 ng/ml
alpha-PVP	4.330	7434112	3481.76	50.9	34574.10	282731	1015.4370 ng/ml
Alprazolam	5.740	2490605	606.23	115.5	533.03	105943	1028.5339 ng/ml
Amphetamine	3.009	6925962	126189.87	49.6	11445.54	225426	554.5173 ng/ml
Benzoylcegonine	3.831	312732	33904.04	7.9	428.62	10486	999.8224 ng/ml
Bromazolam	5.771	730939	643079.87	127.2	92946.32	39723	938.4376 ng/ml
Buprenorphine	5.742	143410	6901.91	14.5	7993.09	55622	98.1103 ng/ml
Bupropion	4.745	8546246	304244.35	64.1	859.89	294497	967.0888 ng/ml
Carisoprodol	5.694	1519293	26918.12	54.4	381.83	69781	987.9857 ng/ml
Citalopram	5.199	4710759	171843.99	38.4	65354.88	205841	1008.4789 ng/ml
Clonazepam	5.575	2446280	1396.97	34.7	2009.39	38192	909.1714 ng/ml
Clonazolam	5.532	1209256	763416.49	38.8	2010.75	38192	705.9583 ng/ml
Cocaine	4.231	4555658	32404.04	56.0	102604.02	390055	1006.1544 ng/ml
Codeine	2.546	389860	2369.21	107.4	166.17	34291	748.9087 ng/ml
Cyclobenzaprine	5.598	3745040	58778.23	7.3	20251.73	142934	1039.3263 ng/ml
Dextromethorphan	5.243	2658324	413.07	77.5	2814.08	119412	1015.0774 ng/ml
Dextrorphan	4.091	2271070	5144.26	221.0	19319.82	234246	1037.9640 ng/ml
Diazepam	5.911	2042173	7902.34	88.6	14603.26	98232	1013.6036 ng/ml
Dihydrocodeine	2.518	1629634	26420.92	61.6	1694.18	136088	721.8961 ng/ml
Diphenhydramine	5.270	14446481	2747.04	29.8	966980.70	657931	1034.5302 ng/ml
Doxylamine	4.491	19923574	418615.41	96.0	589603.31	797614	1052.1785 ng/ml
Duloxetine	5.624	119255	2686.06	14.8	4633.98	6805	936.2271 ng/ml
EDDP	5.235	7529065	79203.13	41.5	33631.60	363544	1099.6974 ng/ml
Etizolam	5.778	1062686	1568.94	26.6	679.48	38192	1174.7506 ng/ml
Fentanyl	5.062	551445	663.89	80.6	910650.31	228212	114.9695 ng/ml
Fluorofentanyl	5.116	1565153	53550.05	36.5	56640.81	2781	103.9693 ng/ml
Fluoxetine	5.691	1460071	82808.42	8.1	81268.63	54678	974.9816 ng/ml
Hydrocodone	2.978	2881021	929.43	34.1	∞	191224	842.6144 ng/ml

AM #28 Multi-Drug Quant. Results



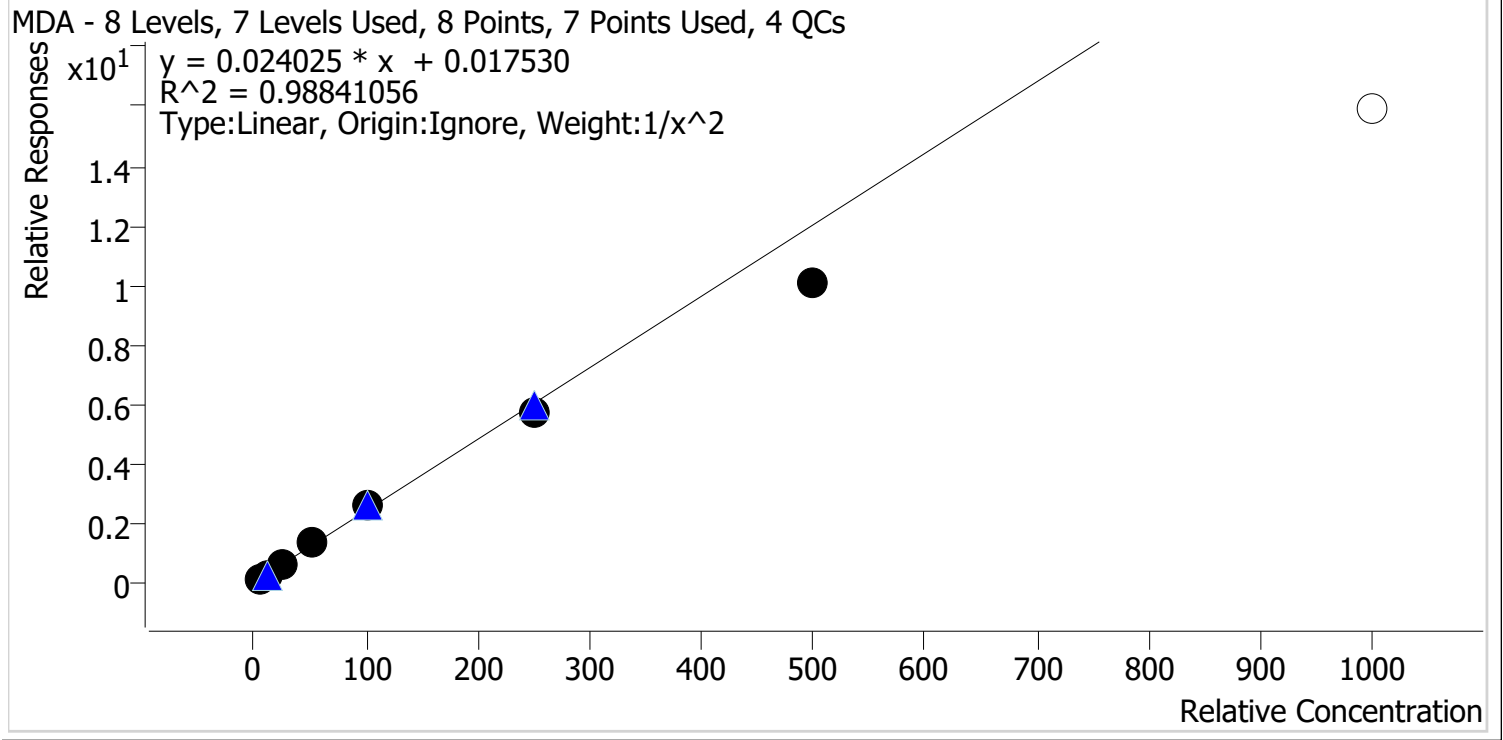
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	2954560	10529640.80	71.7	2026955.72	89626	982.7432 ng/ml
Hydroxyzine	5.675	5589355	39384.08	78.2	1759438.42	119412	1367.7519 ng/ml
Ketamine	4.003	3925877	923.13	38.5	51131.24	218349	878.7873 ng/ml
Lamotrigine	4.247	199942	958.42	94.1	12432.38	427187	692.9975 ng/ml
Lorazepam	5.704	533534	14366.62	47.0	294.06	43704	925.2226 ng/ml
MDA	3.150	3575693	10941.70	31.6	10112.84	216208	687.6365 ng/ml
MDMA	3.258	4452157	49198.93	94.1	20079.76	55999	968.0893 ng/ml
Meprobamate	4.862	1593043	64286.08	28.5	19076.99	76661	927.0236 ng/ml
Methadone	5.637	11949137	283282.26	40.5	3076.78	409349	1045.7403 ng/ml
Methamphetamine	3.178	9468810	49158.69	38.4	10633.57	542965	747.9944 ng/ml
Metoprolol	4.293	938372	291645.03	100.6	1302913.29	556464	729.1539 ng/ml
Mirtazapine	4.566	11676789	207660.07	42.4	107328.47	282731	1135.4879 ng/ml
Mitragynine	5.190	1709174	1126251.99	35.5	1170032.80	409349	954.9248 ng/ml
Morphine	1.233	500279	∞	37.2	∞	15033	944.7430 ng/ml
Norbuprenorphine	4.971	27792	10006.24	105.6	42961.87	13734	103.6603 ng/ml
Nordiazepam	5.858	1566399	56737.14	64.5	13284.85	54691	971.5898 ng/ml
Norfentanyl	4.050	540548	370.99	38.7	725.55	189094	107.1003 ng/ml
Norhydrocodone	3.033	530295	742.52	39.5	386.10	30333	1044.0941 ng/ml
Noroxycodone	2.876	2106507	2635.97	47.7	18135.45	77678	951.3885 ng/ml
O-desmethyl-tramadol	3.338	12945398	3067056.49	5.8	37629.00	697765	1057.5280 ng/ml
o-desmethylvenlafaxine	4.056	7529207	263179.49	25.7	11511.78	87298	1070.8961 ng/ml
Olanzapine	4.326	1954928	13220.68	59.0	4713.21	44494	1001.5608 ng/ml
Oxazepam	5.713	810347	16314.79	74.2	8338.54	43704	967.6098 ng/ml
Oxycodone	2.794	6433491	2756.99	27.9	2878.75	269921	969.9298 ng/ml
Oxymorphone	1.385	2806682	∞	44.0	∞	110453	909.5103 ng/ml
Phentermine	3.740	1962480	336.79	7.0	245.93	407211	678.4440 ng/ml
Promethazine	5.522	6863017	10210.82	29.7	54199.25	281293	1010.6148 ng/ml
Pseudoephedrine	2.555	9900060	277511.45	16.5	39225.90	427187	1087.7450 ng/ml
Quetiapine	5.510	6374123	2909.85	61.5	75374.33	127381	793.4140 ng/ml
Sertraline	5.747	285400	840.72	94.5	585.72	12846	1011.1129 ng/ml
Temazepam	5.795	2353197	81169.80	26.9	5535.18	97996	1089.6074 ng/ml
Tramadol	4.206	9925220	2031.67	3.4	192.28	556464	975.6099 ng/ml
Trazodone	5.058	8207282	3276.86	69.0	158583.57	271934	1005.8709 ng/ml
Venlafaxine	5.009	11665763	125827.19	33.2	31650.82	564043	1080.7809 ng/ml
Xylazine	4.037	3685880	302145.81	50.0	9940.28	136980	990.6986 ng/ml
Zolpidem	4.817	14253741	434390.33	27.4	246766.74	605295	984.1018 ng/ml

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte MDA **Internal Standard** MDA-D5



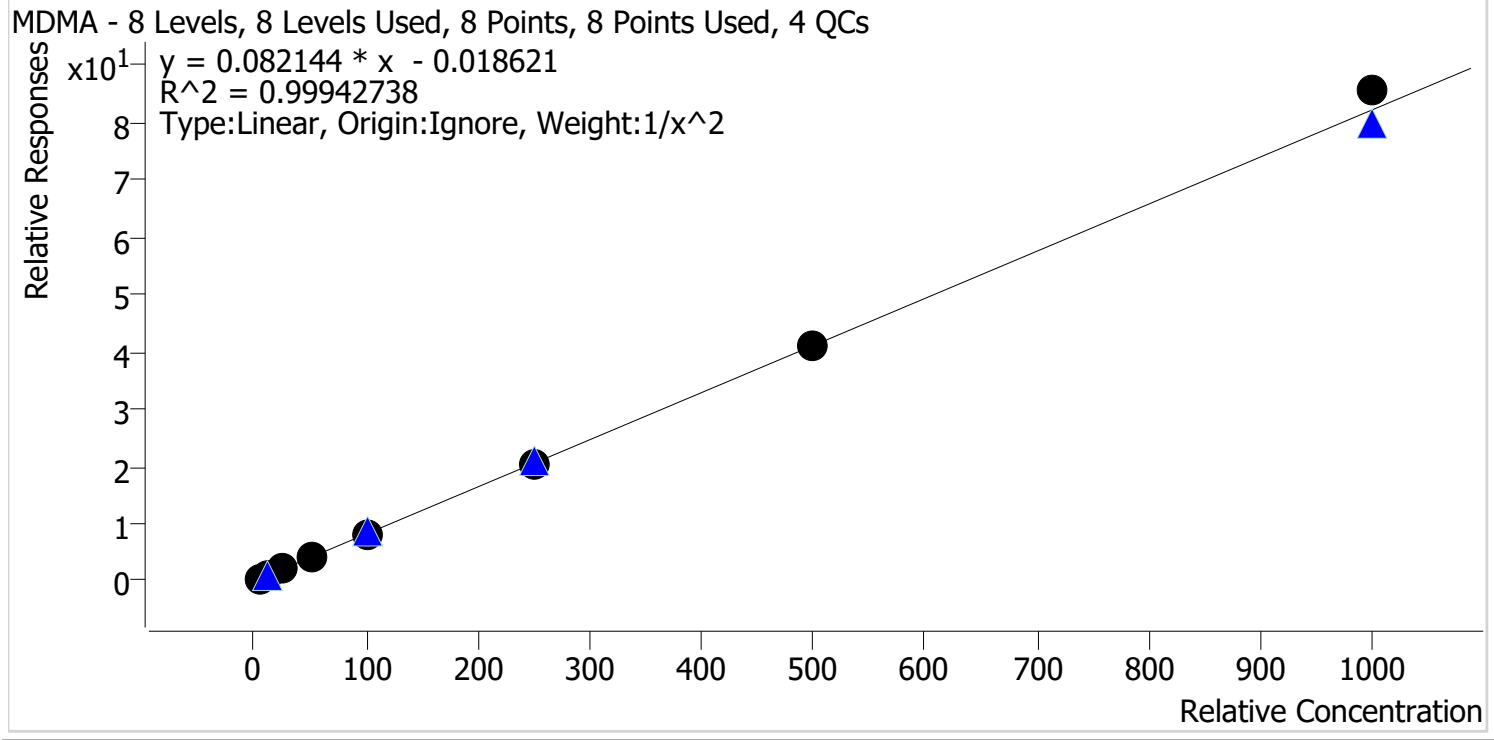
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p1 Cal 3 -25ng	3	✓	25.0	26.6	106.6
p1 Cal 4-50ng	4	✓	50.0	55.1	110.3
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	234.8	93.9
p1 Cal 7-500ng	7	✓	500.0	420.0	84.0
p1 Cal 8-1000ng	8	✗	1000.0	663.5	66.3

9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte MDMA **Internal Standard** MDMA-D6



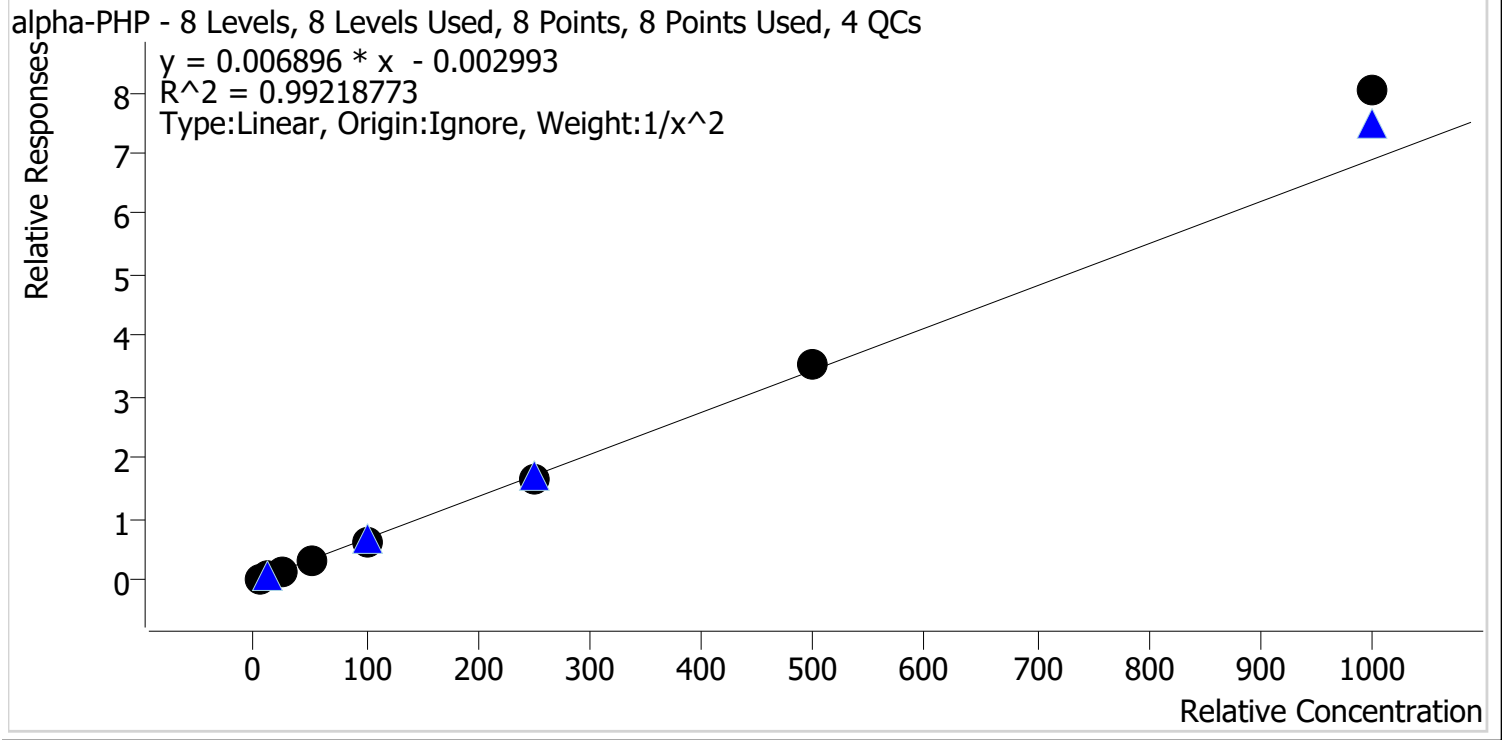
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p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	502.8	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1040.9	104.1

9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-D8

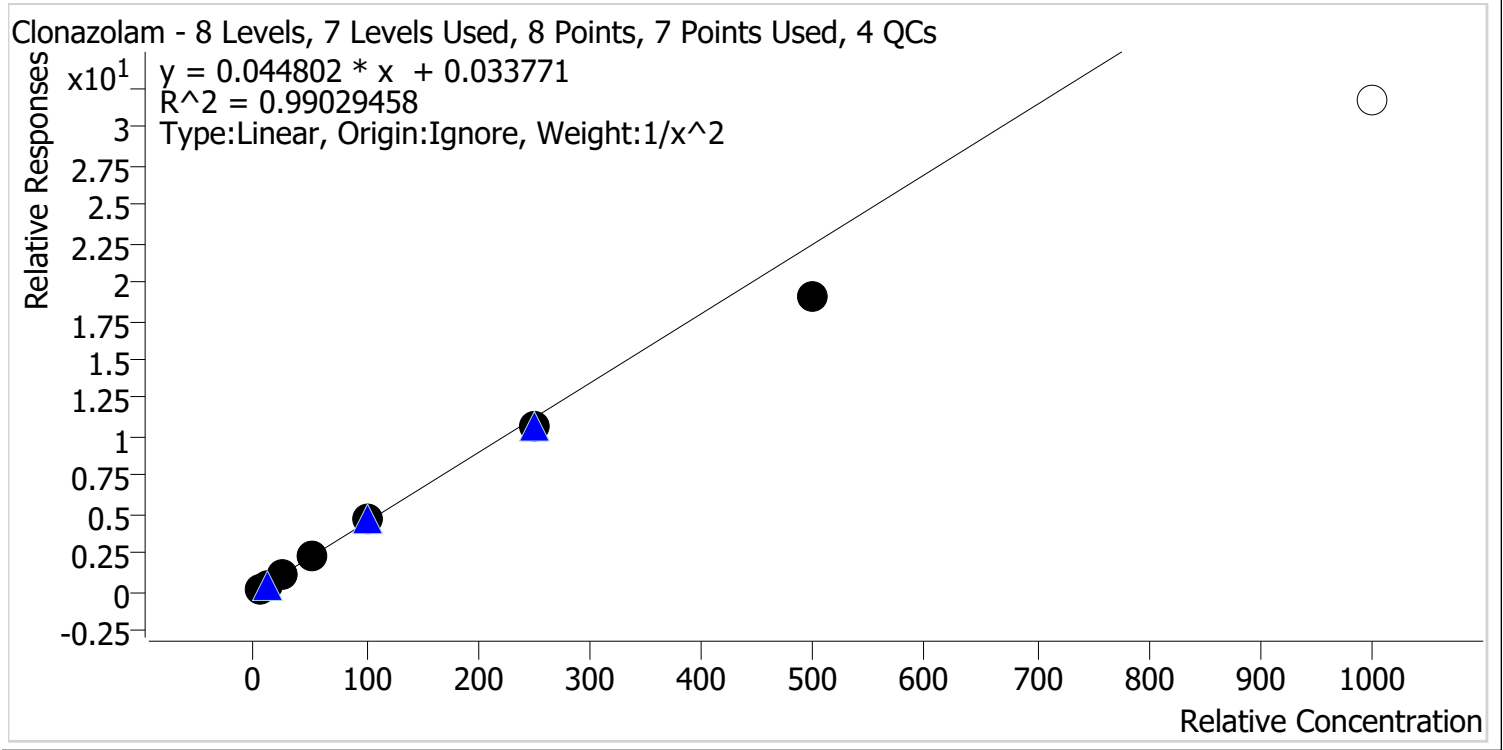


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2-10ng	2	✓	10.0	9.4	94.4
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.8
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	93.8	93.8
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	515.0	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1163.5	116.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4



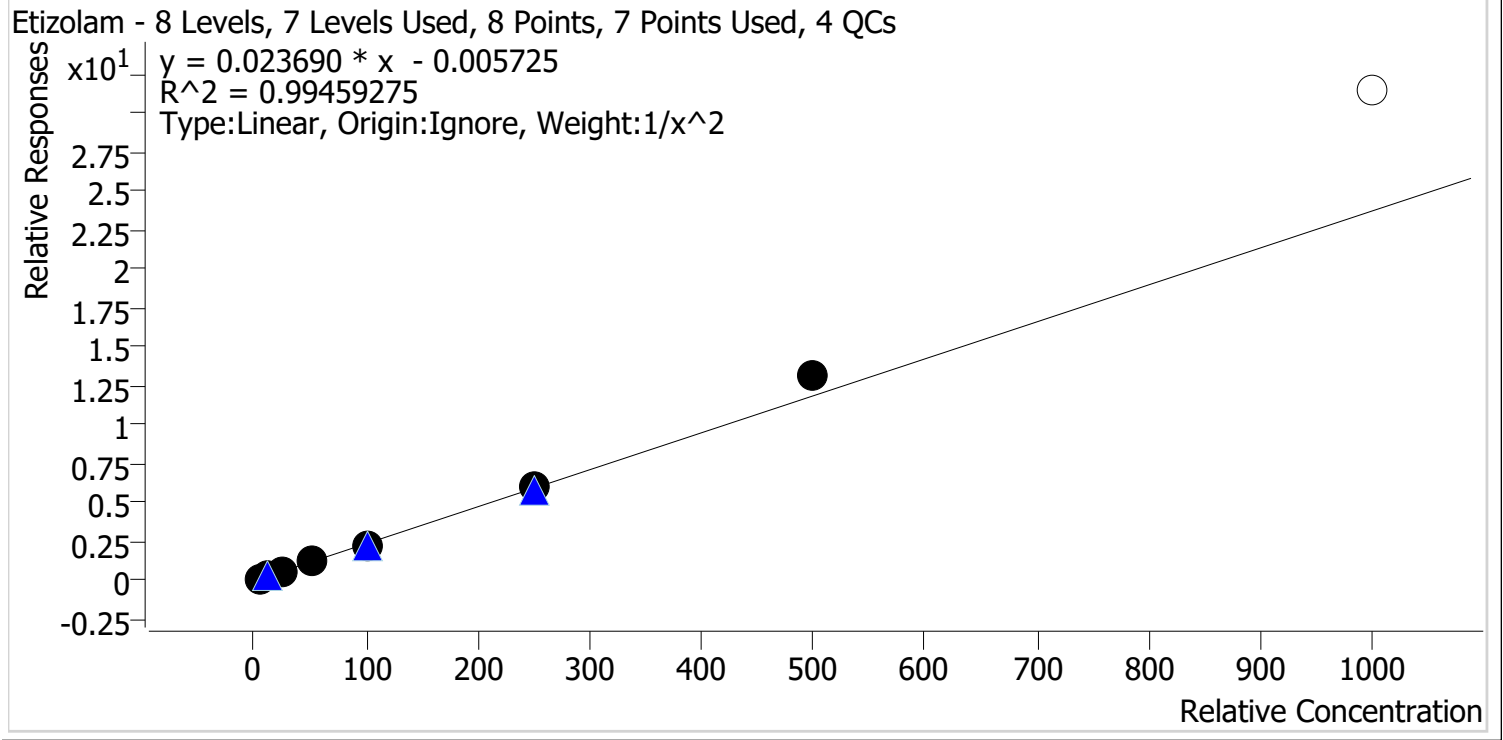
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p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	238.7	95.5
p1 Cal 7-500ng	7	✓	500.0	425.0	85.0
p1 Cal 8-1000ng	8	✗	1000.0	704.8	70.5

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4



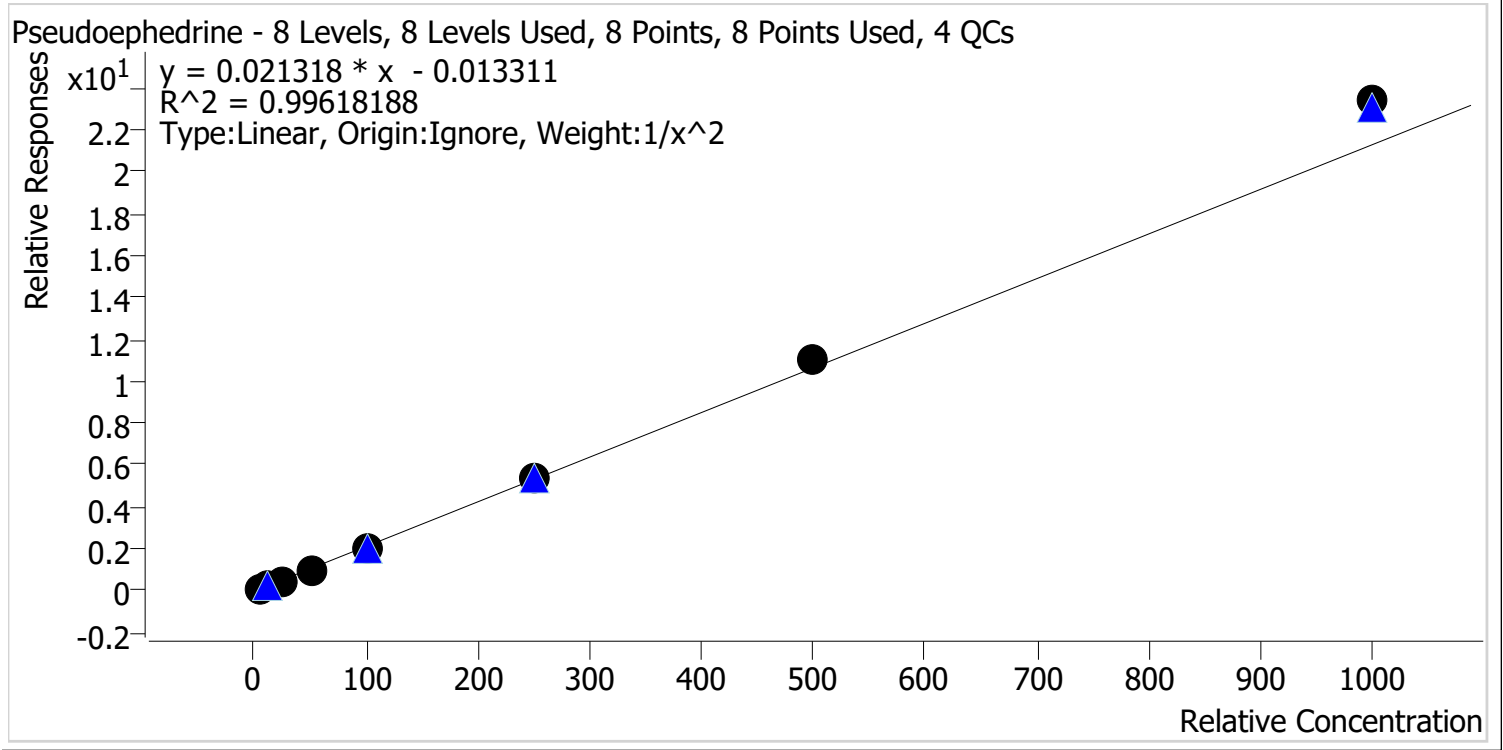
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.3
p1 Cal 2-10ng	2	✓	10.0	9.4	94.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	556.3	111.3
p1 Cal 8-1000ng	8	✗	1000.0	1325.7	132.6

5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



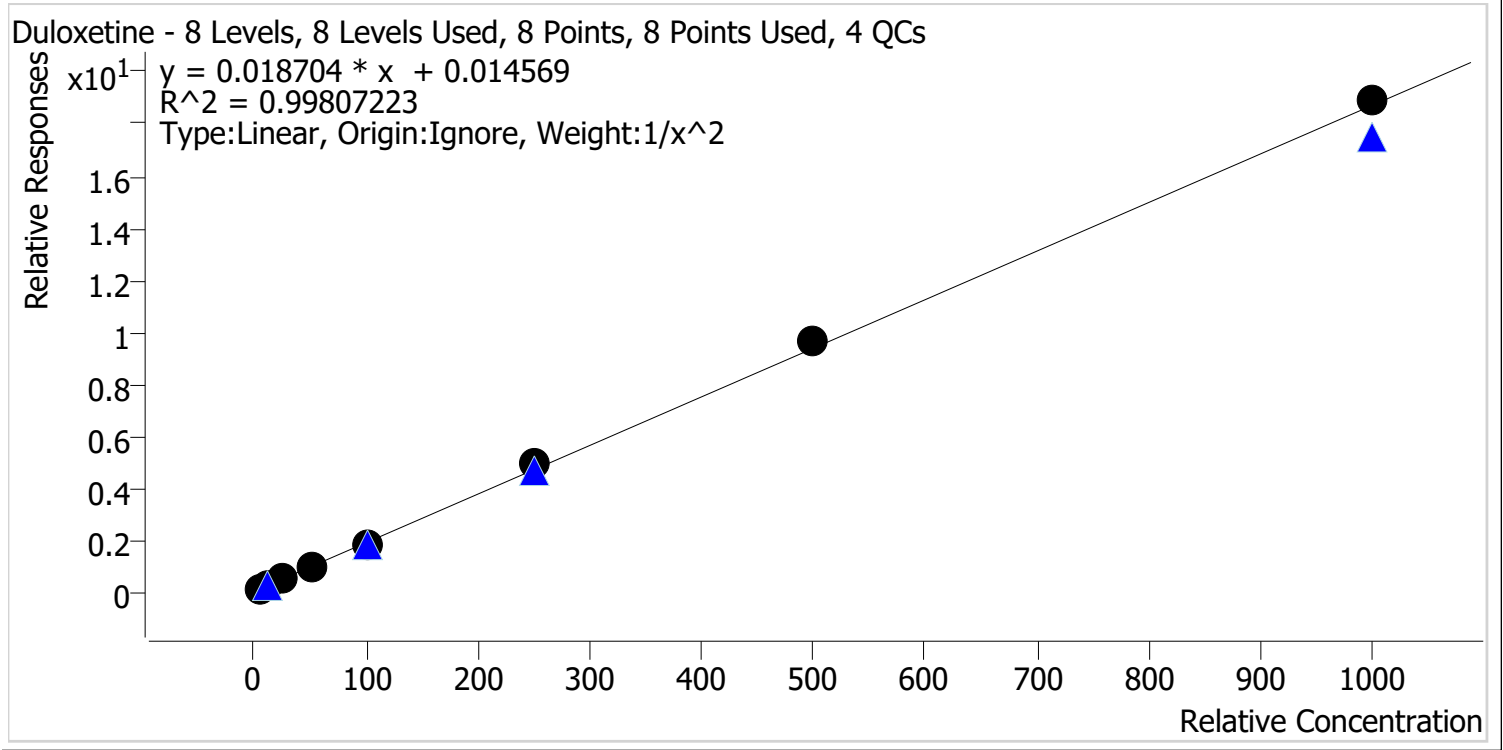
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	47.3	94.5
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	249.6	99.9
p1 Cal 7-500ng	7	✓	500.0	518.5	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1098.9	109.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Duloxetine **Internal Standard** Duloxetine-D3

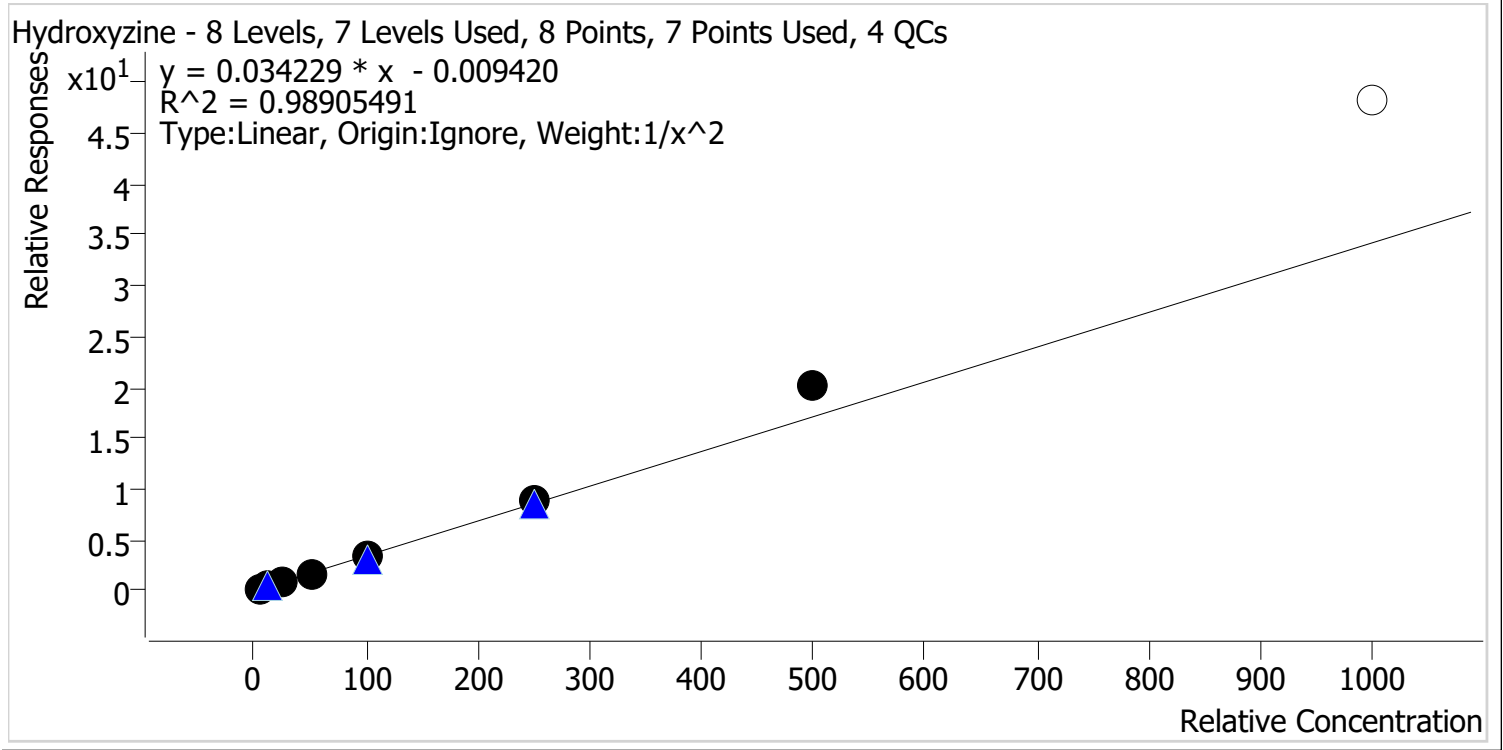


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.8
p1 Cal 4-50ng	4	✓	50.0	49.5	98.9
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	264.7	105.9
p1 Cal 7-500ng	7	✓	500.0	512.7	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1009.9	101.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Hydroxyzine **Internal Standard** Dextromethorphan-D3

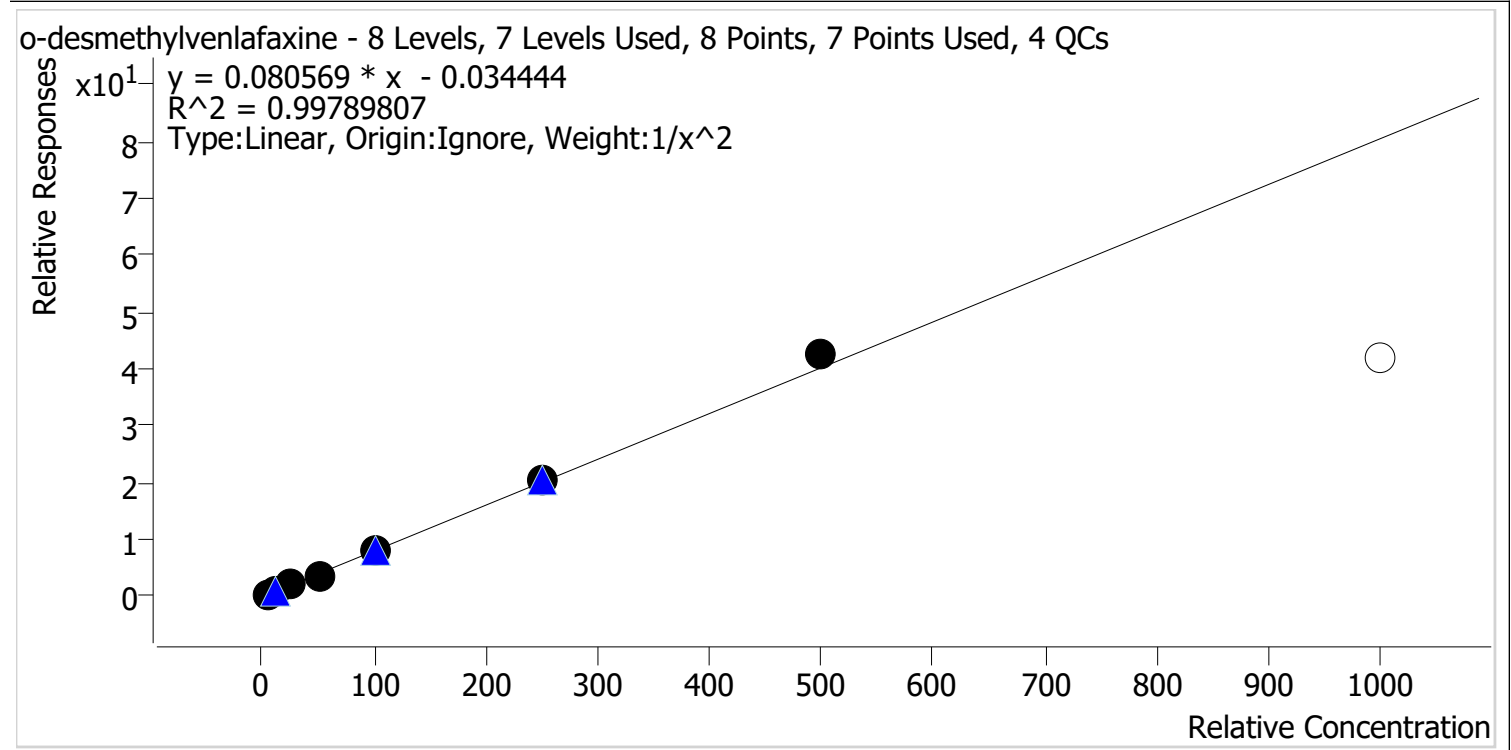


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.6
p1 Cal 4-50ng	4	✓	50.0	46.3	92.6
p1 Cal 5-100ng	5	✓	100.0	94.9	94.9
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	587.0	117.4
p1 Cal 8-1000ng	8	✗	1000.0	1409.3	140.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6



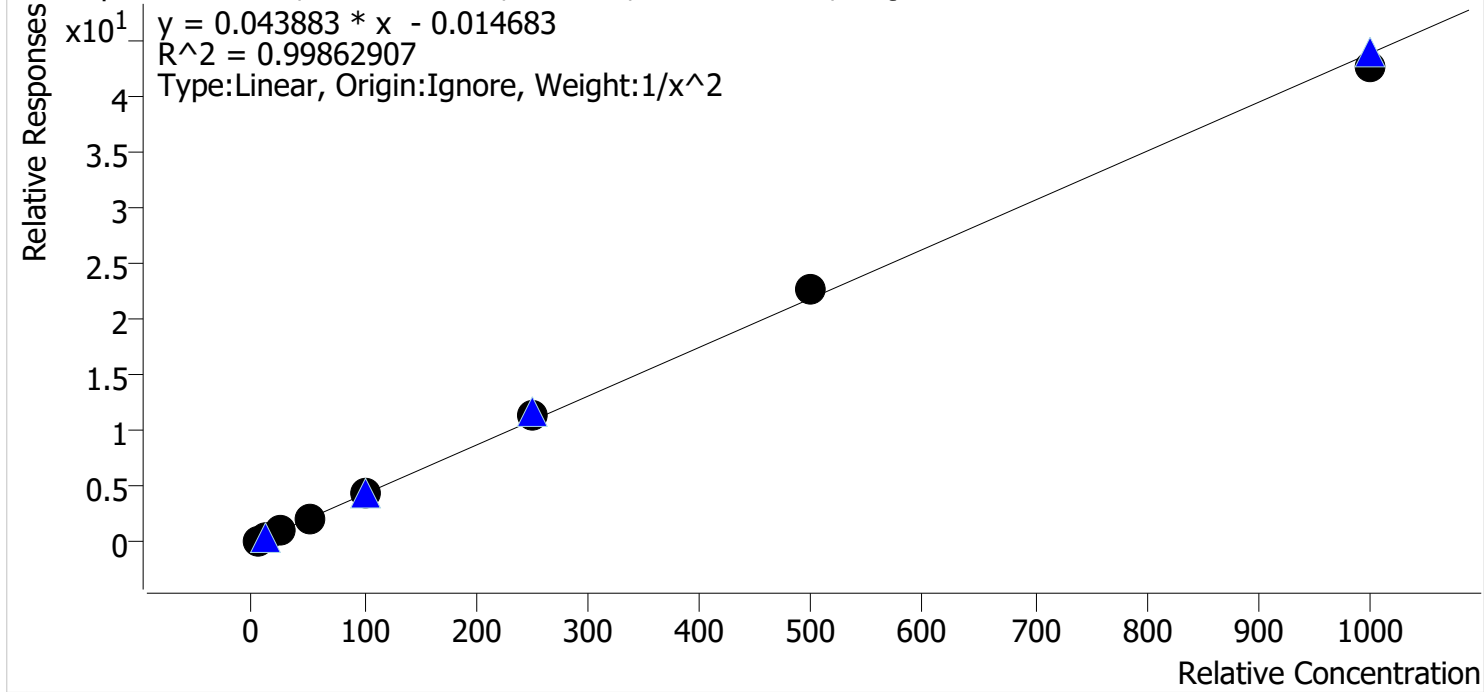
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.8
p1 Cal 4-50ng	4	✓	50.0	46.9	93.8
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	529.5	105.9
p1 Cal 8-1000ng	8	x	1000.0	519.1	51.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Olanzapine **Internal Standard** Olanzapine-D8

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



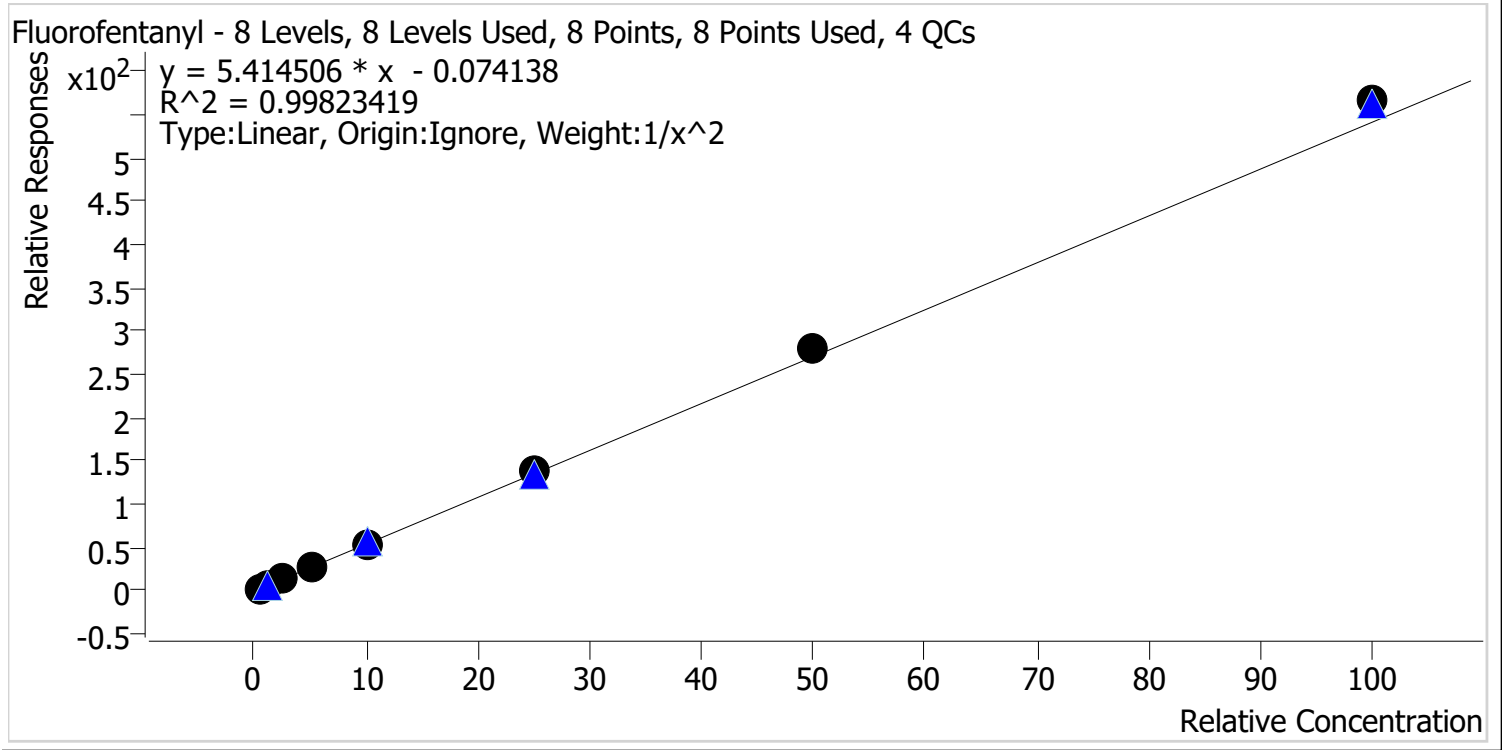
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	259.9	104.0
p1 Cal 7-500ng	7	✓	500.0	521.9	104.4
p1 Cal 8-1000ng	8	✓	1000.0	975.9	97.6

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Fluorofentanyl **Internal Standard** Fluorofentanyl-D5



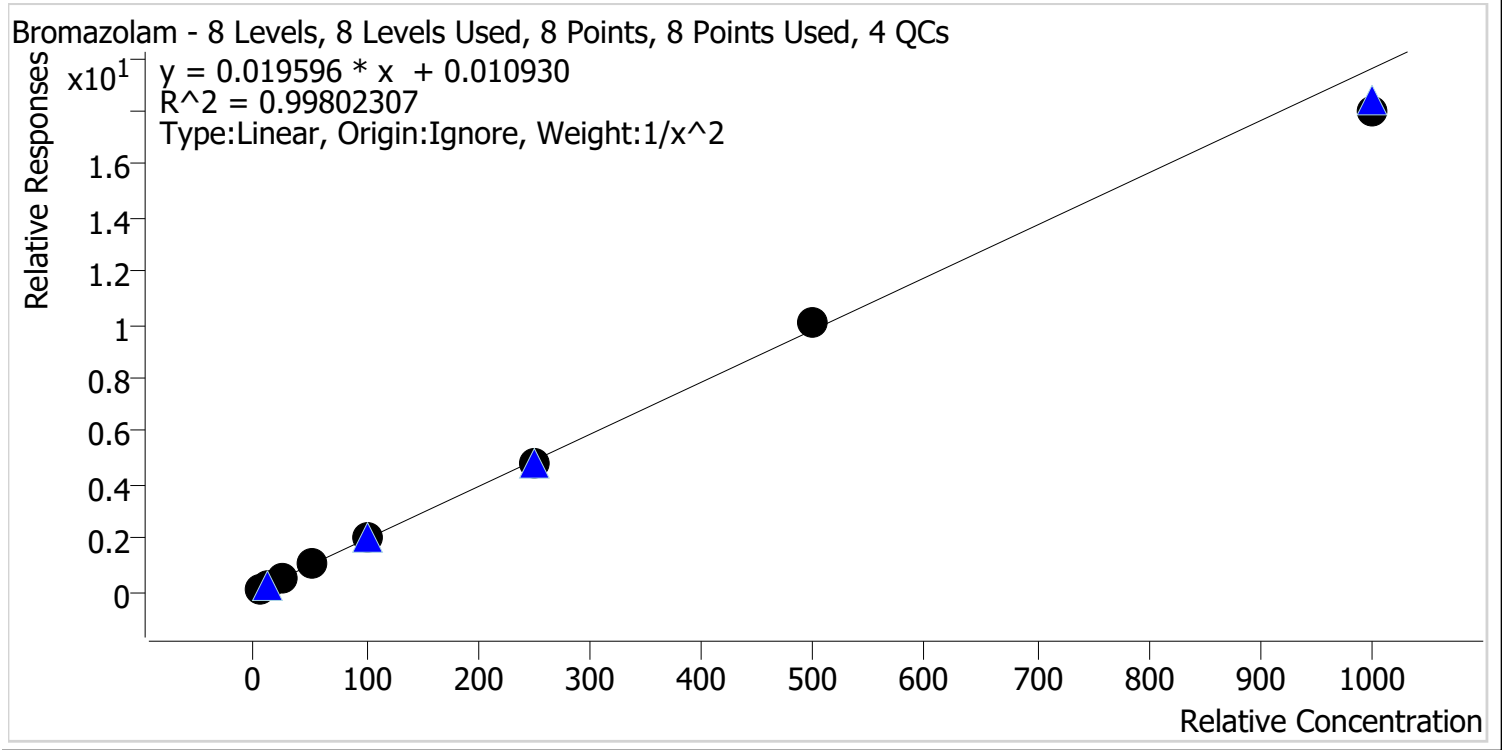
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.8
p1 Cal 2-10ng	2	✓	1.0	1.0	98.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.1
p1 Cal 4-50ng	4	✓	5.0	4.7	94.7
p1 Cal 5-100ng	5	✓	10.0	9.7	96.8
p1 Cal 6-250ng	6	✓	25.0	25.7	102.7
p1 Cal 7-500ng	7	✓	50.0	51.8	103.6
p1 Cal 8-1000ng	8	✓	100.0	104.6	104.6

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Bromazolam **Internal Standard** Bromazolam-D5

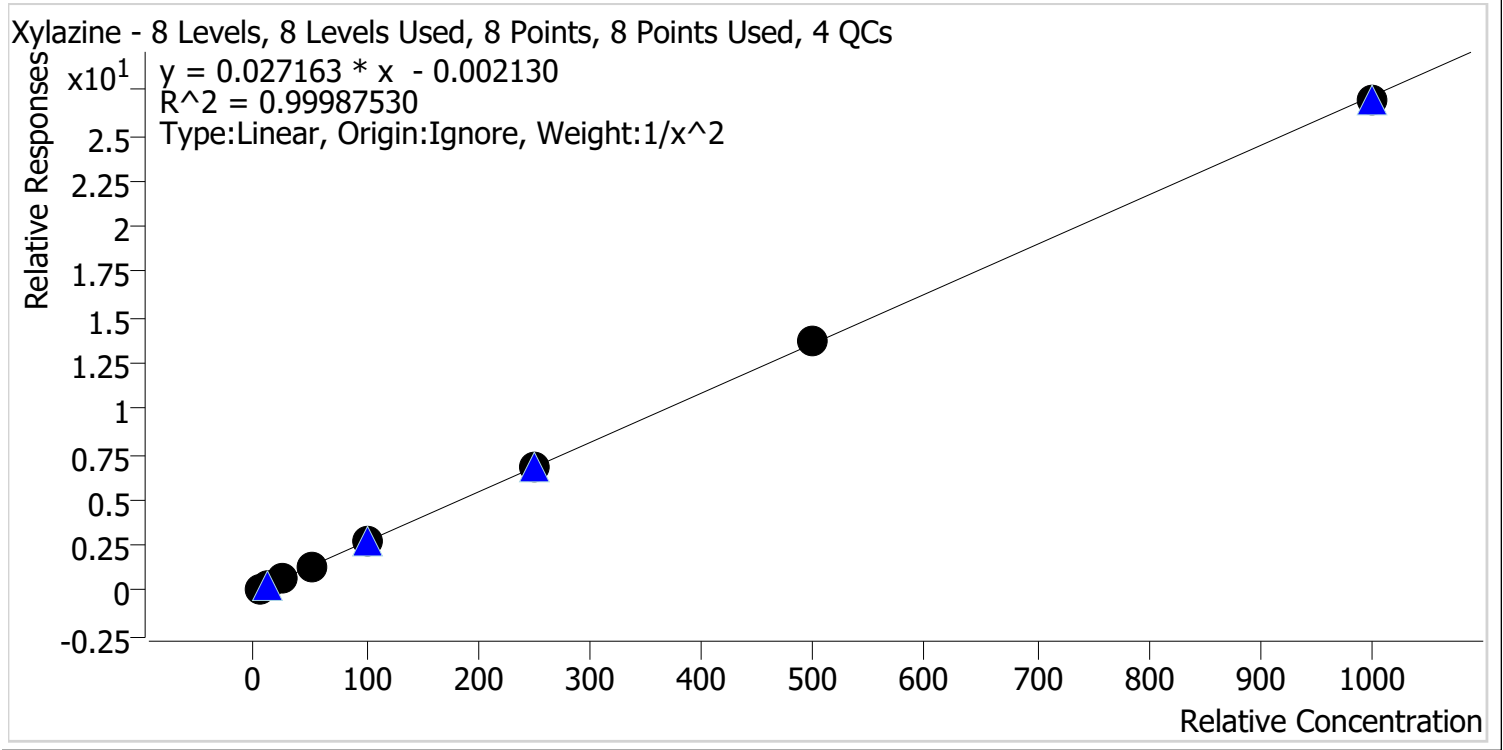


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	513.1	102.6
p1 Cal 8-1000ng	8	✓	1000.0	920.7	92.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Xylazine **Internal Standard** Xylanzine-D6

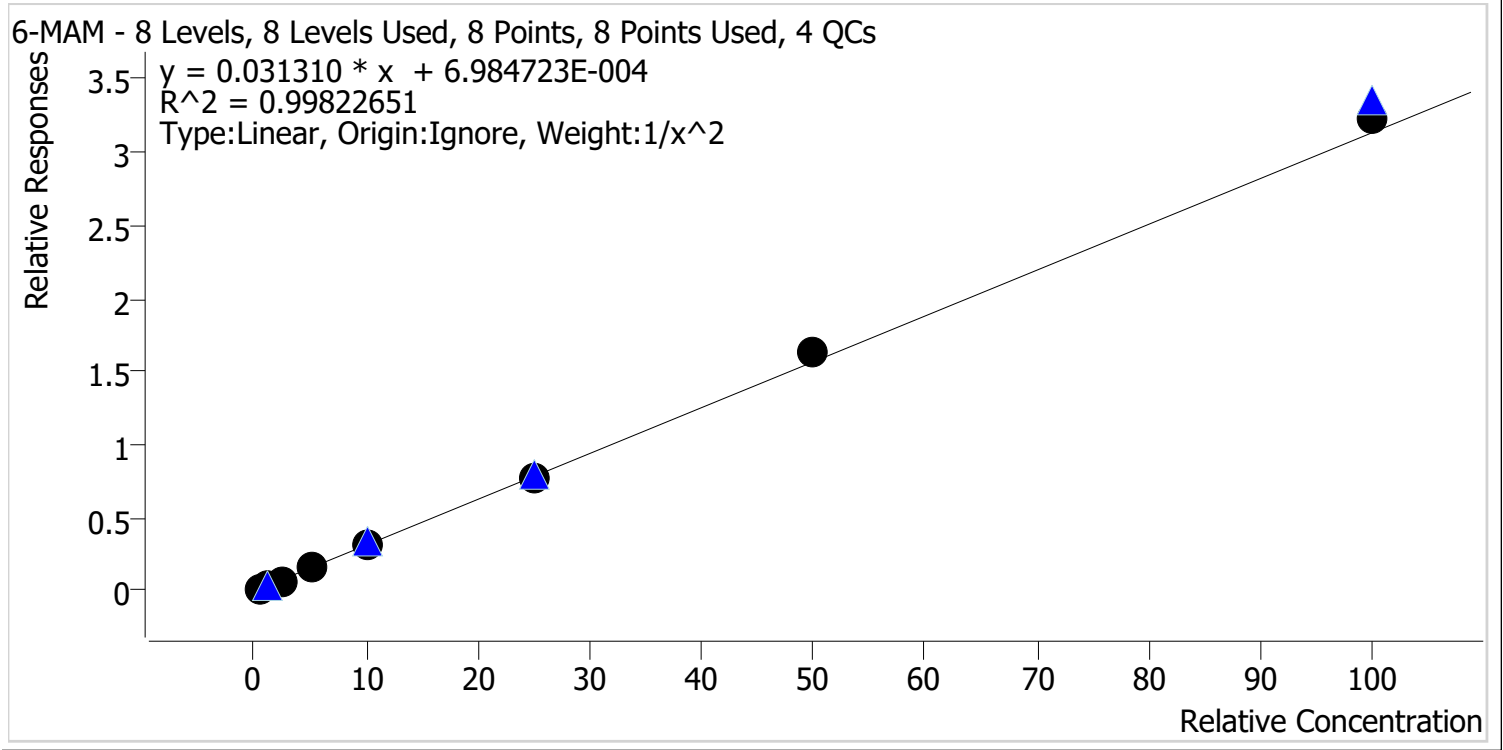


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	249.4	99.7
p1 Cal 7-500ng	7	✓	500.0	507.4	101.5
p1 Cal 8-1000ng	8	✓	1000.0	988.3	98.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6



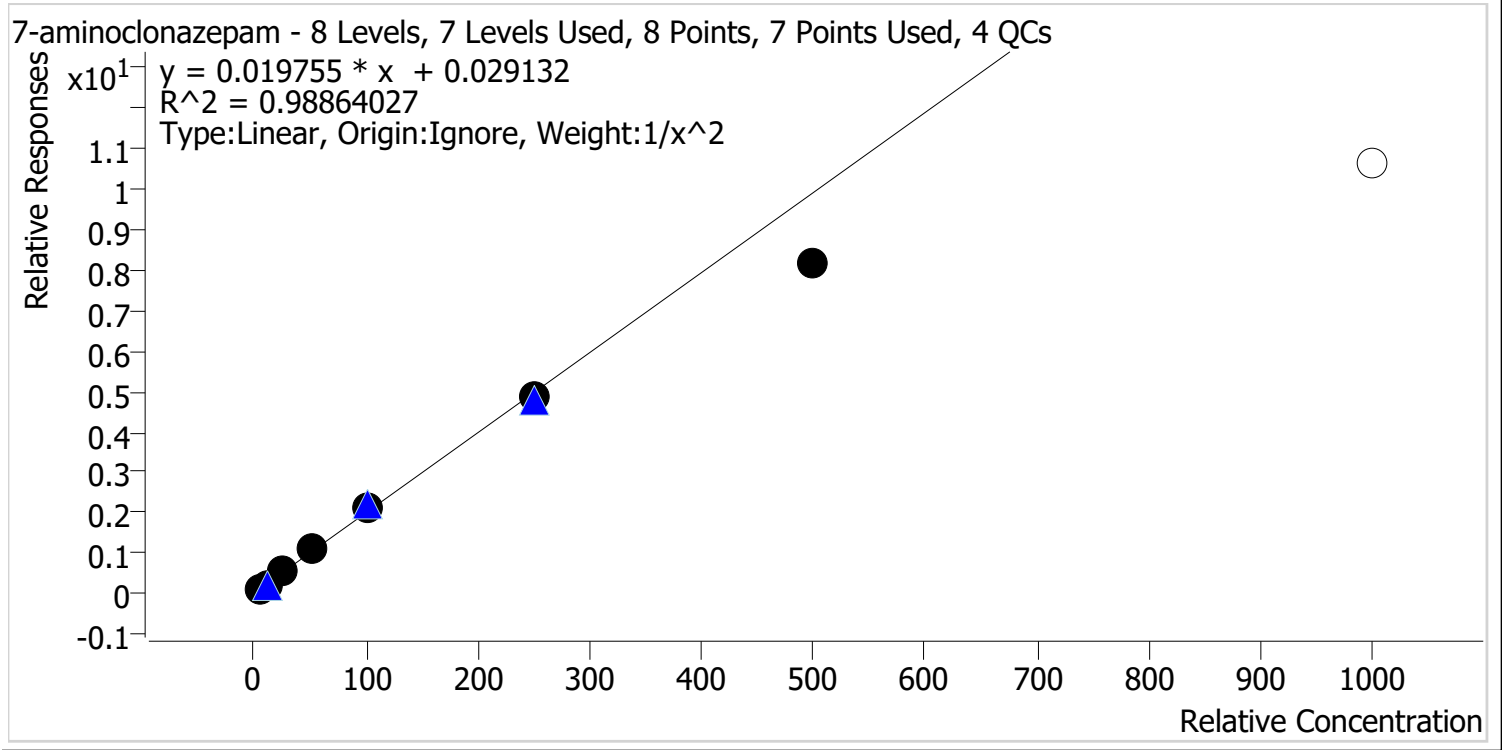
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.8
p1 Cal 2-10ng	2	✓	1.0	1.1	105.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.7
p1 Cal 4-50ng	4	✓	5.0	4.9	98.2
p1 Cal 5-100ng	5	✓	10.0	9.9	98.5
p1 Cal 6-250ng	6	✓	25.0	24.4	97.5
p1 Cal 7-500ng	7	✓	50.0	52.1	104.3
p1 Cal 8-1000ng	8	✓	100.0	102.9	102.9

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



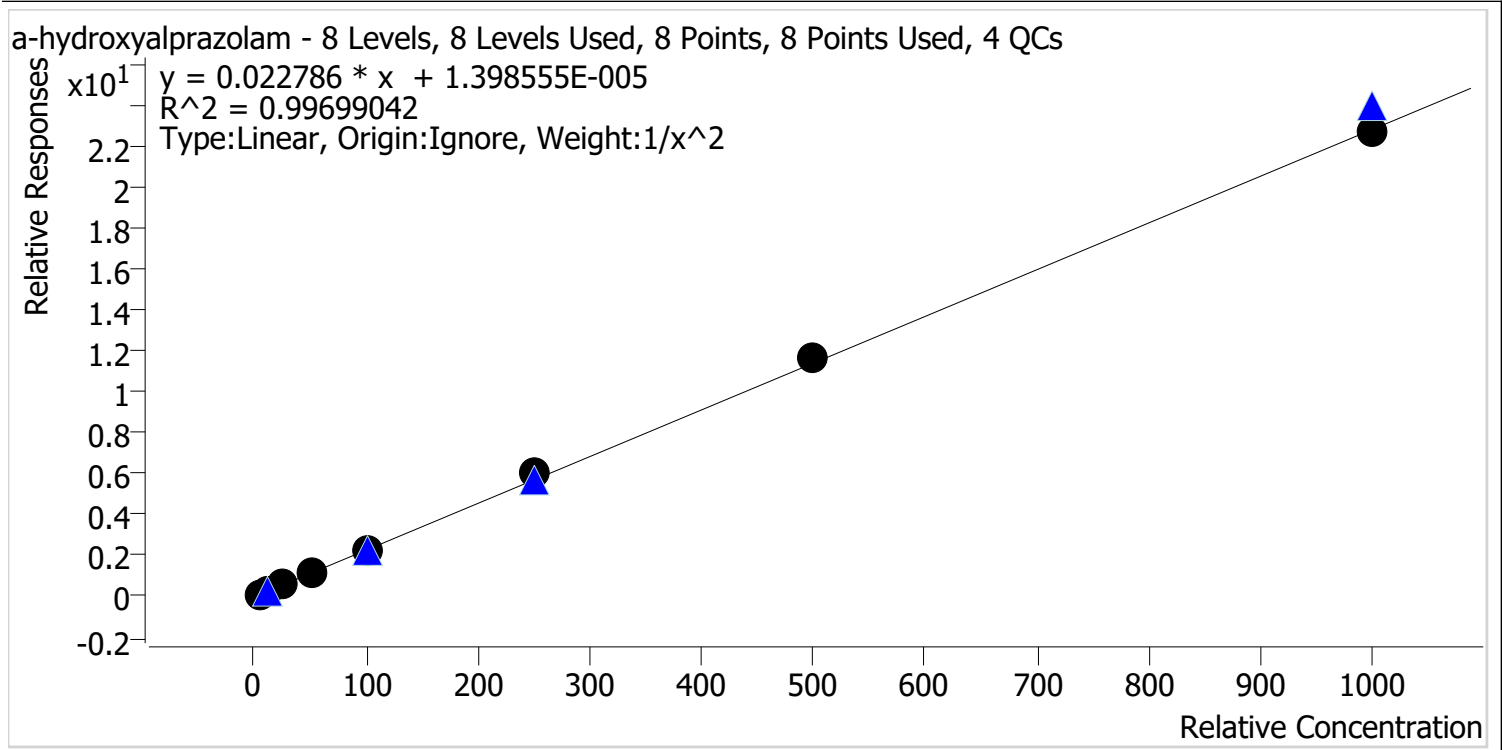
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.8
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	245.0	98.0
p1 Cal 7-500ng	7	✓	500.0	412.8	82.6
p1 Cal 8-1000ng	8	✗	1000.0	534.9	53.5

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

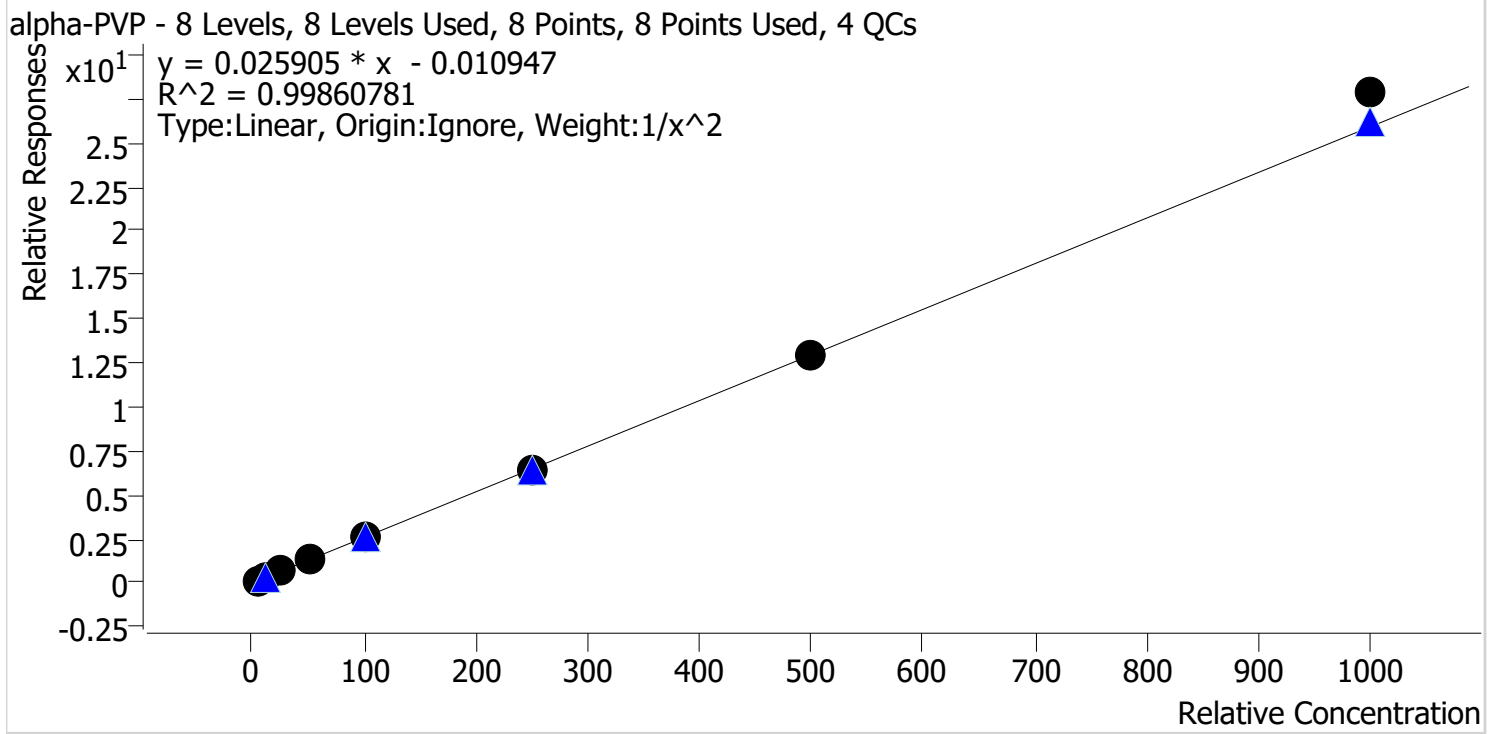


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.8
p1 Cal 2-10ng	2	✓	10.0	9.1	91.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	264.8	105.9
p1 Cal 7-500ng	7	✓	500.0	510.8	102.2
p1 Cal 8-1000ng	8	✓	1000.0	999.2	99.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 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	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	498.4	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1075.1	107.5

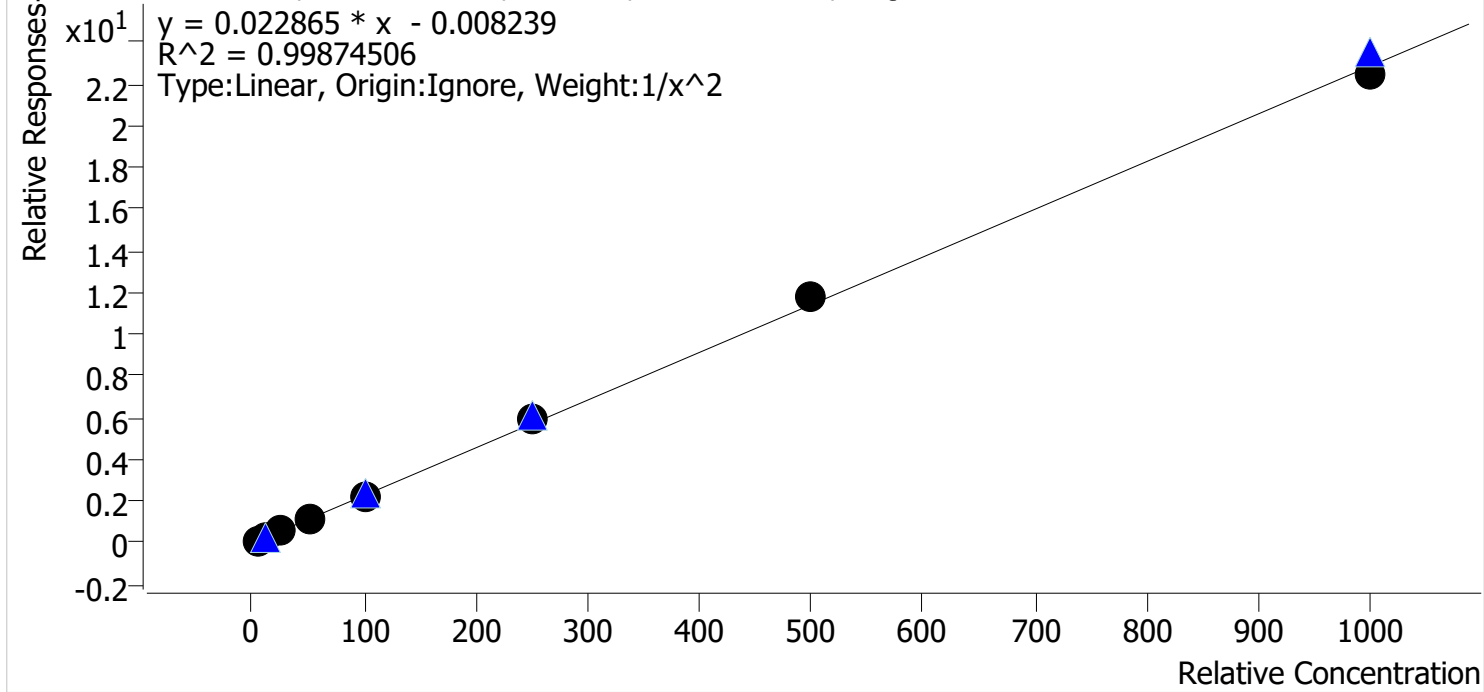
cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



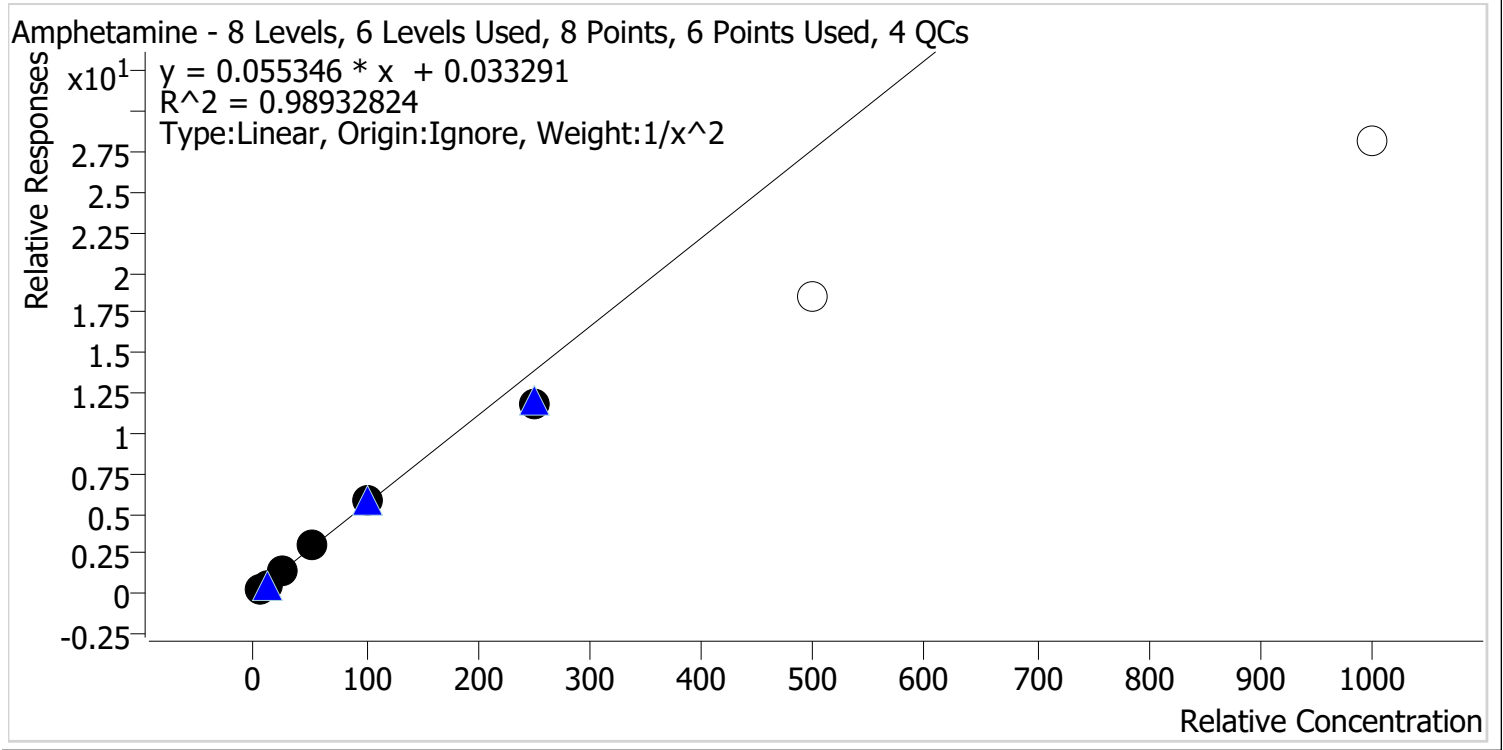
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	9.5	94.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	258.0	103.2
p1 Cal 7-500ng	7	✓	500.0	516.8	103.4
p1 Cal 8-1000ng	8	✓	1000.0	982.6	98.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11



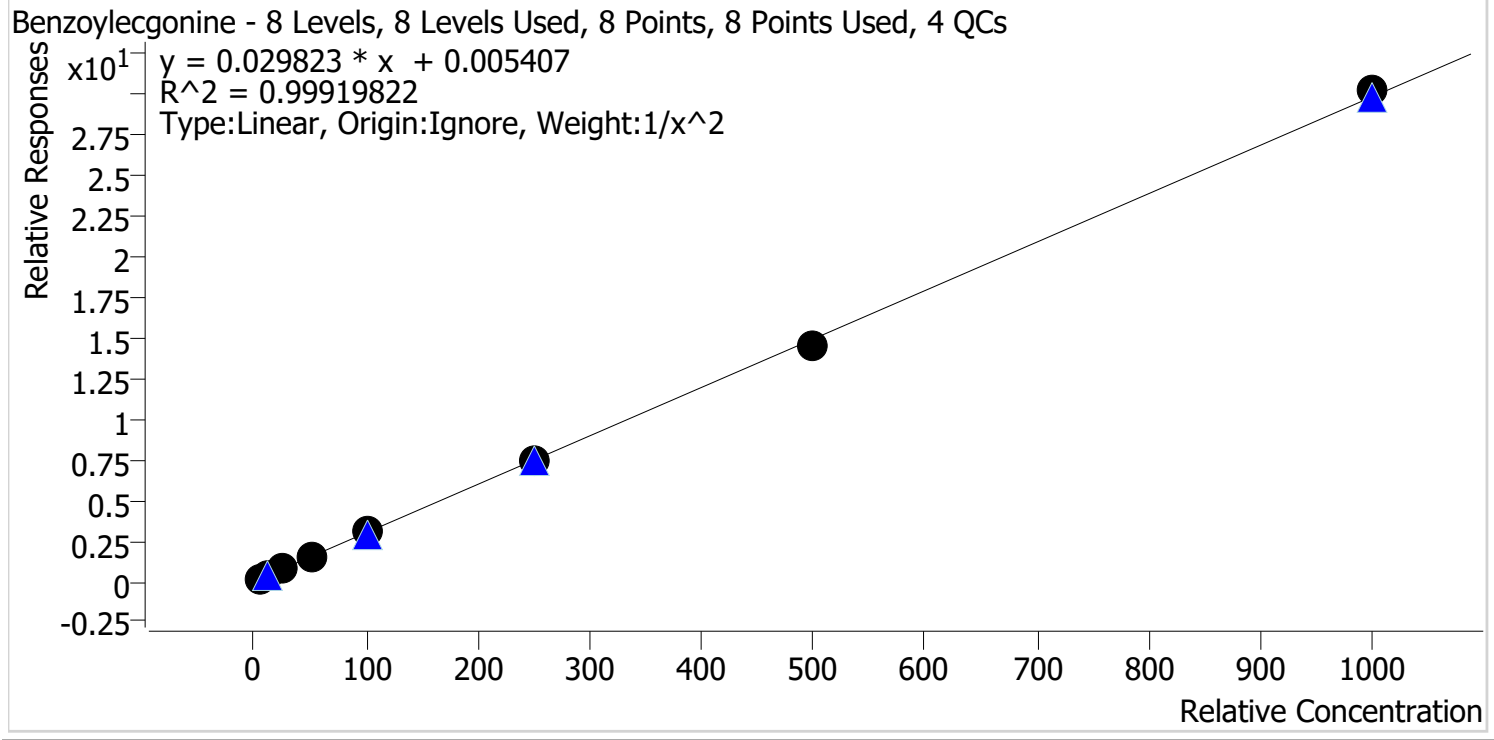
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	212.1	84.8
p1 Cal 7-500ng	7	x	500.0	334.6	66.9
p1 Cal 8-1000ng	8	x	1000.0	510.0	51.0

5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



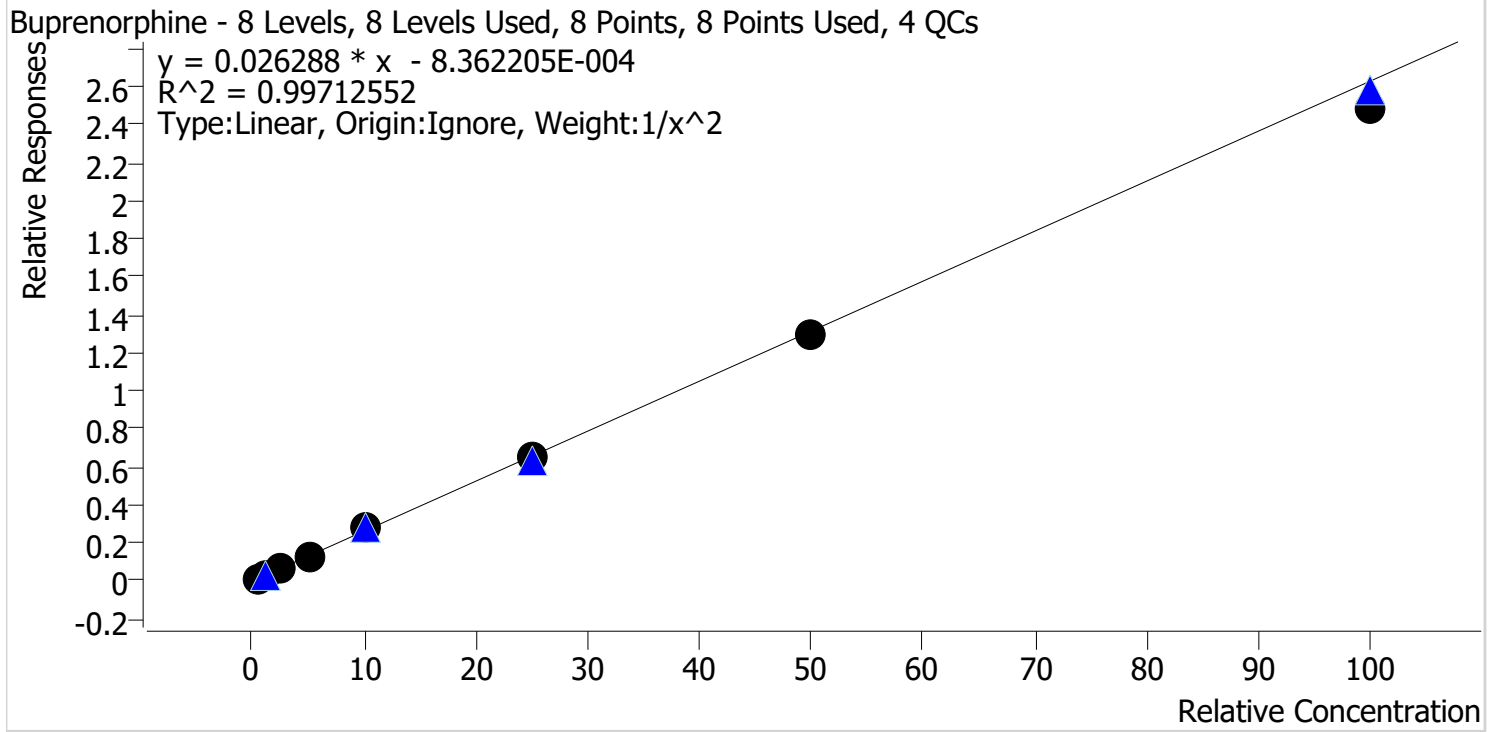
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	48.4	96.9
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	488.8	97.8
p1 Cal 8-1000ng	8	✓	1000.0	1012.8	101.3

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

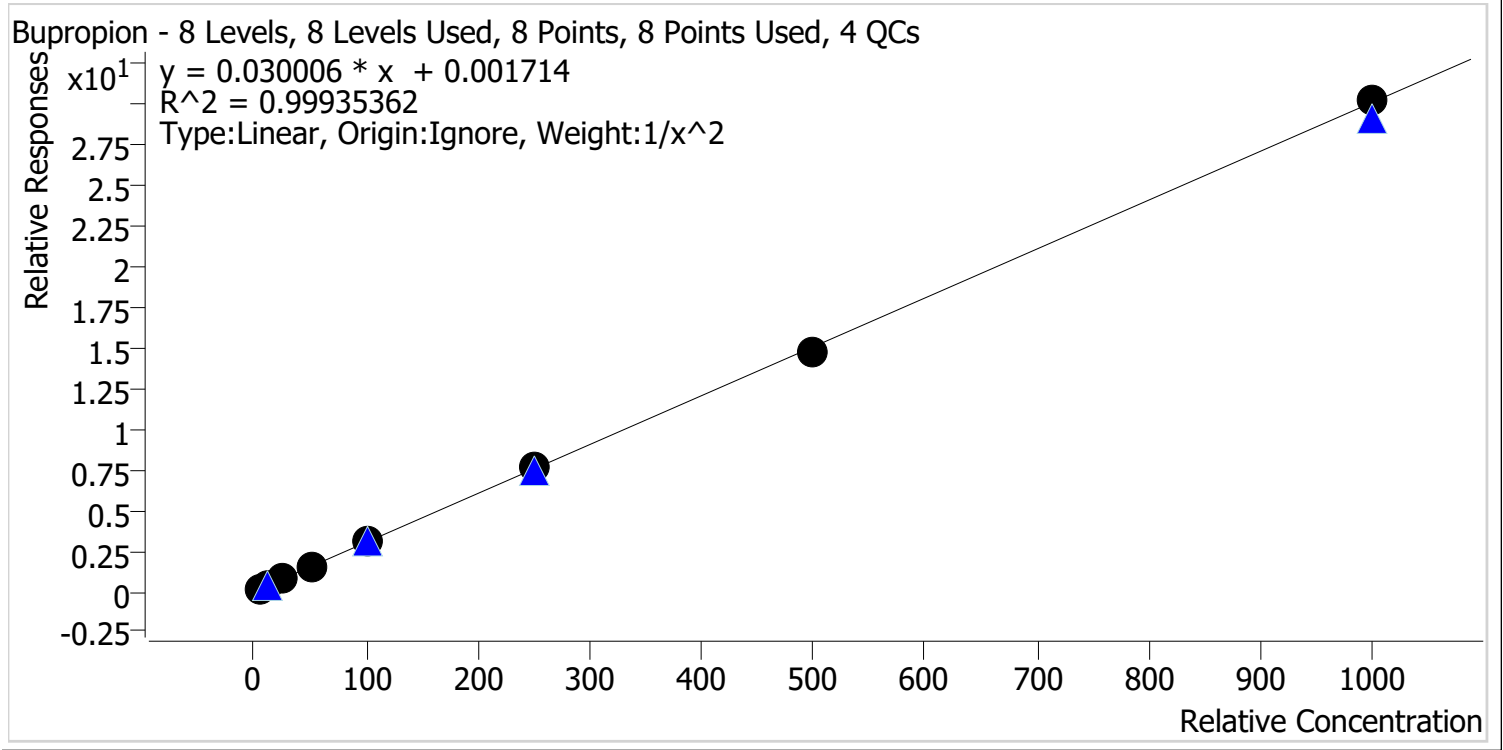


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	95.3
p1 Cal 2-10ng	2	✓	1.0	1.1	108.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.9
p1 Cal 4-50ng	4	✓	5.0	4.9	98.8
p1 Cal 5-100ng	5	✓	10.0	10.4	104.0
p1 Cal 6-250ng	6	✓	25.0	24.8	99.2
p1 Cal 7-500ng	7	✓	50.0	49.1	98.1
p1 Cal 8-1000ng	8	✓	100.0	94.7	94.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



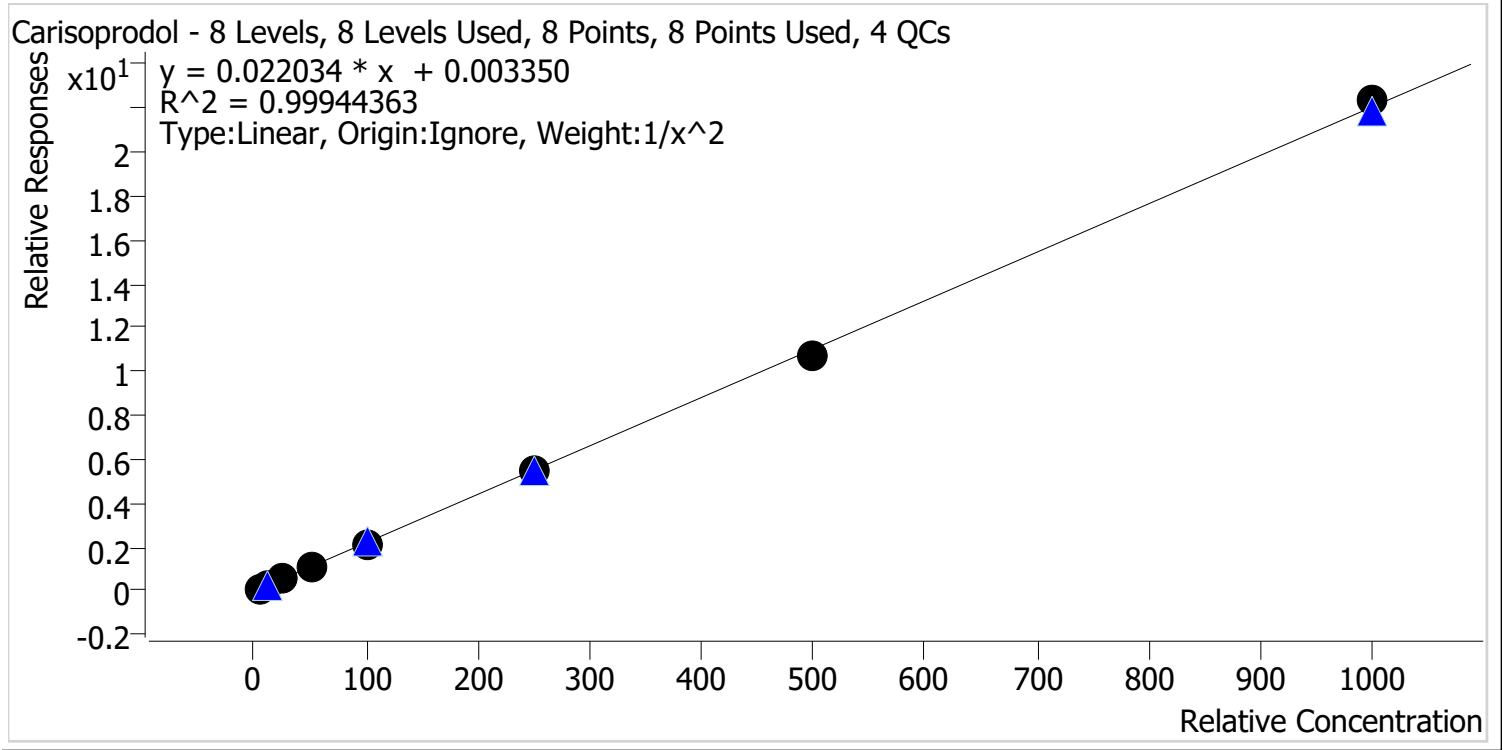
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	48.7	97.5
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	491.0	98.2
p1 Cal 8-1000ng	8	✓	1000.0	1003.7	100.4

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

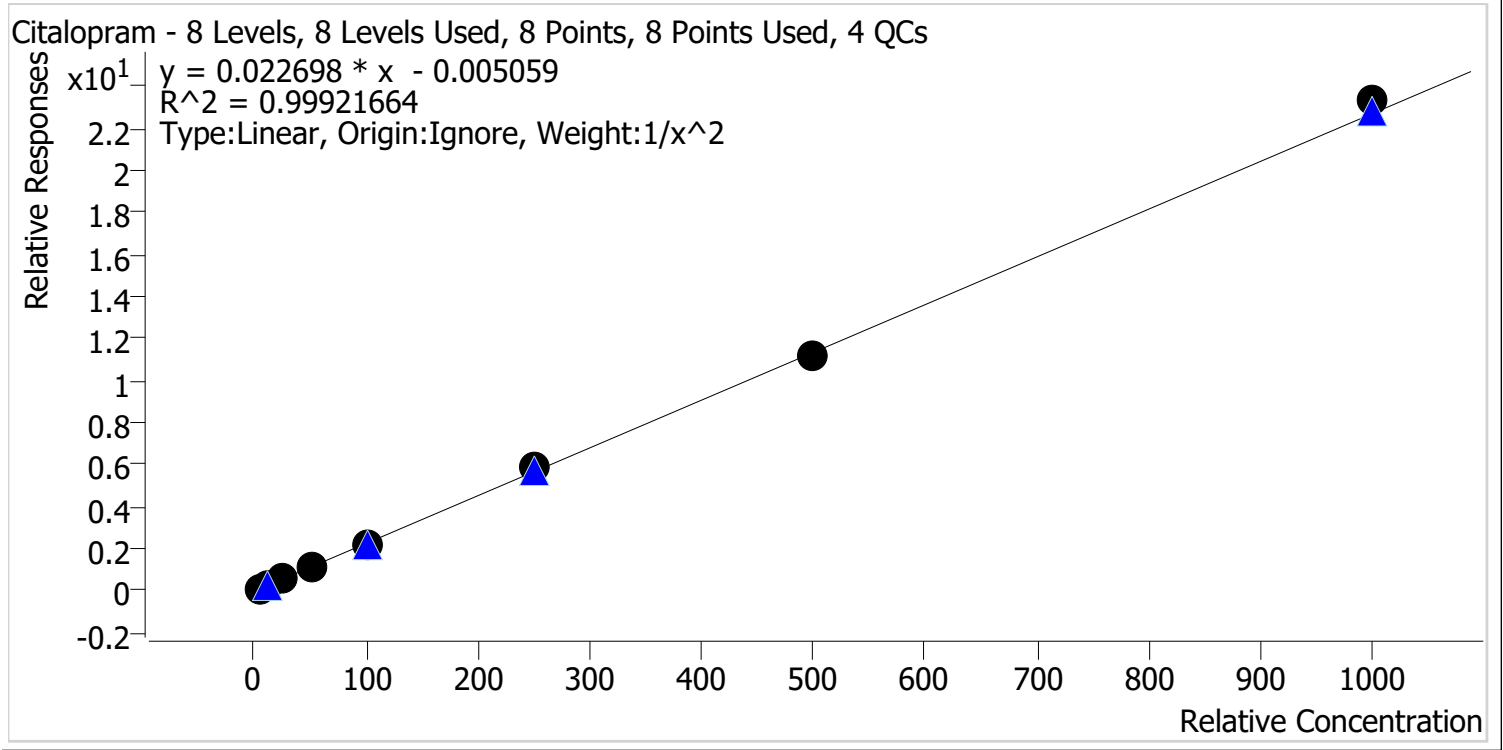


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	489.7	97.9
p1 Cal 8-1000ng	8	✓	1000.0	1013.2	101.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

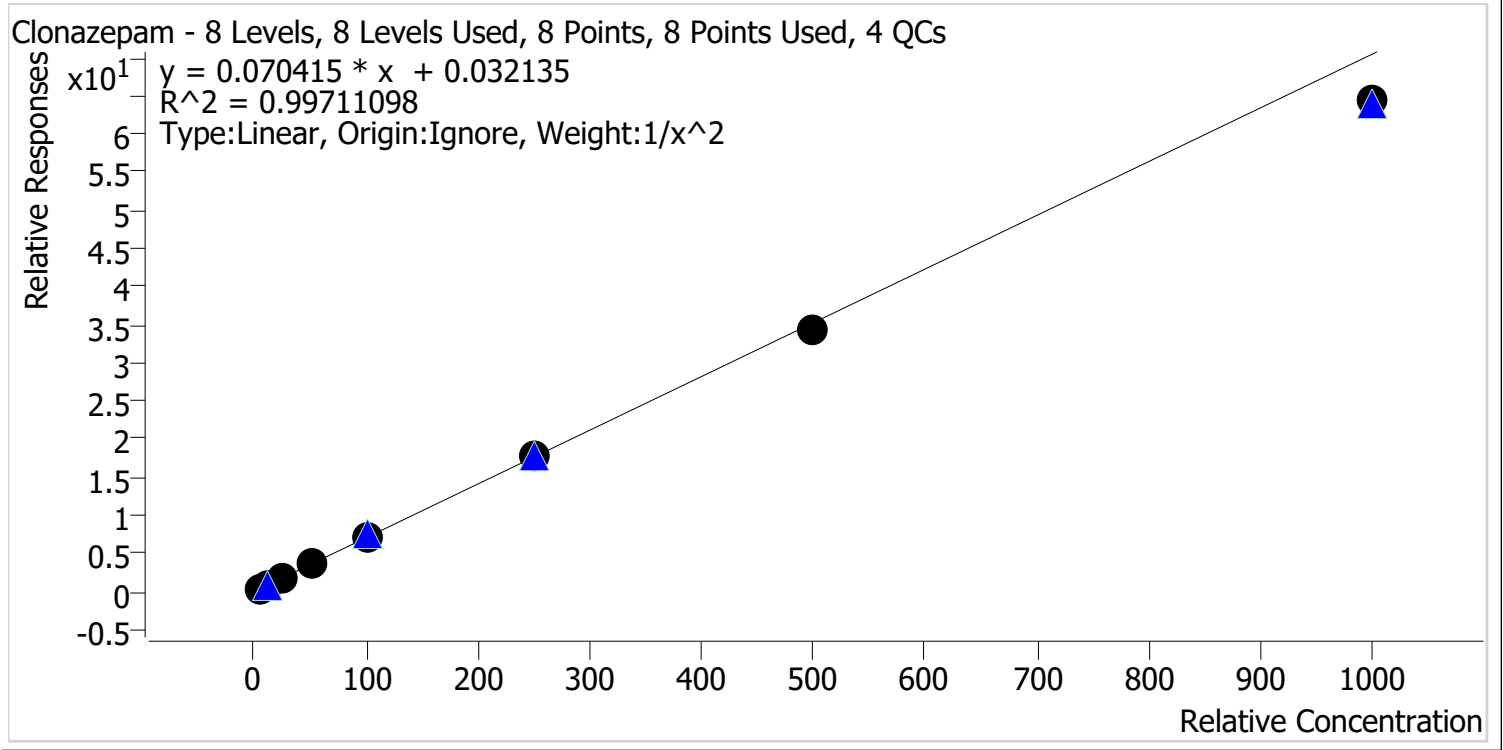


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	259.6	103.8
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1027.5	102.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



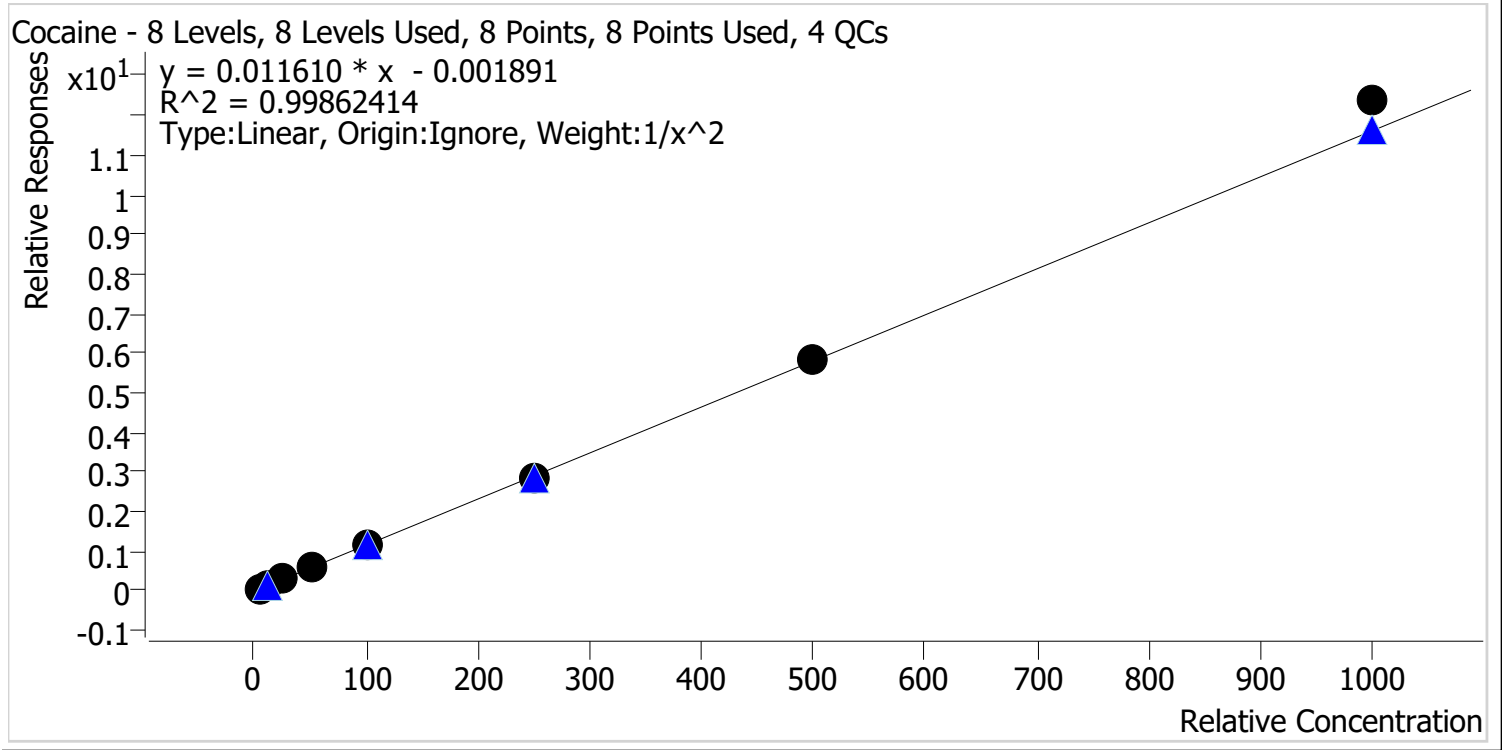
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	487.3	97.5
p1 Cal 8-1000ng	8	✓	1000.0	913.6	91.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-D3

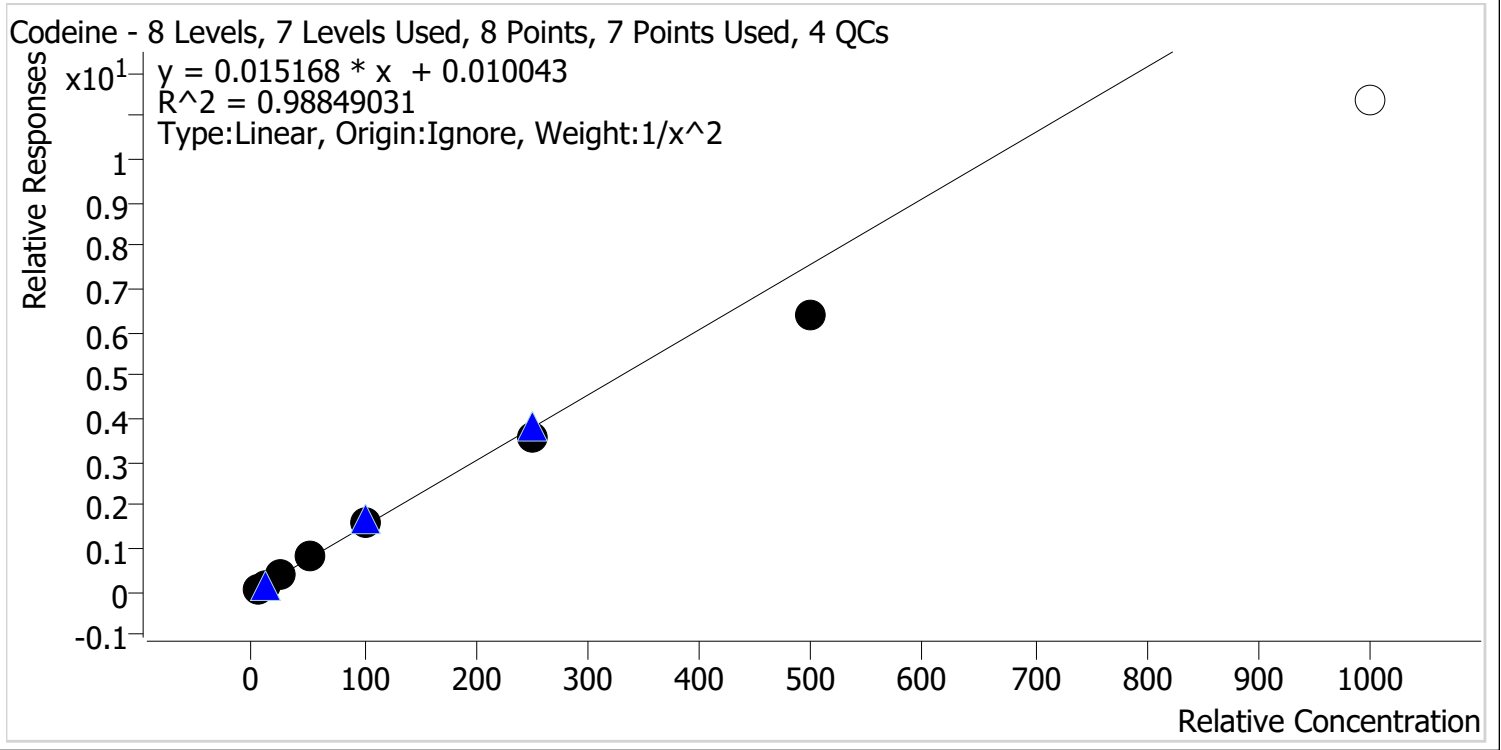


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	499.5	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1065.7	106.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Codeine **Internal Standard** Codeine-D6



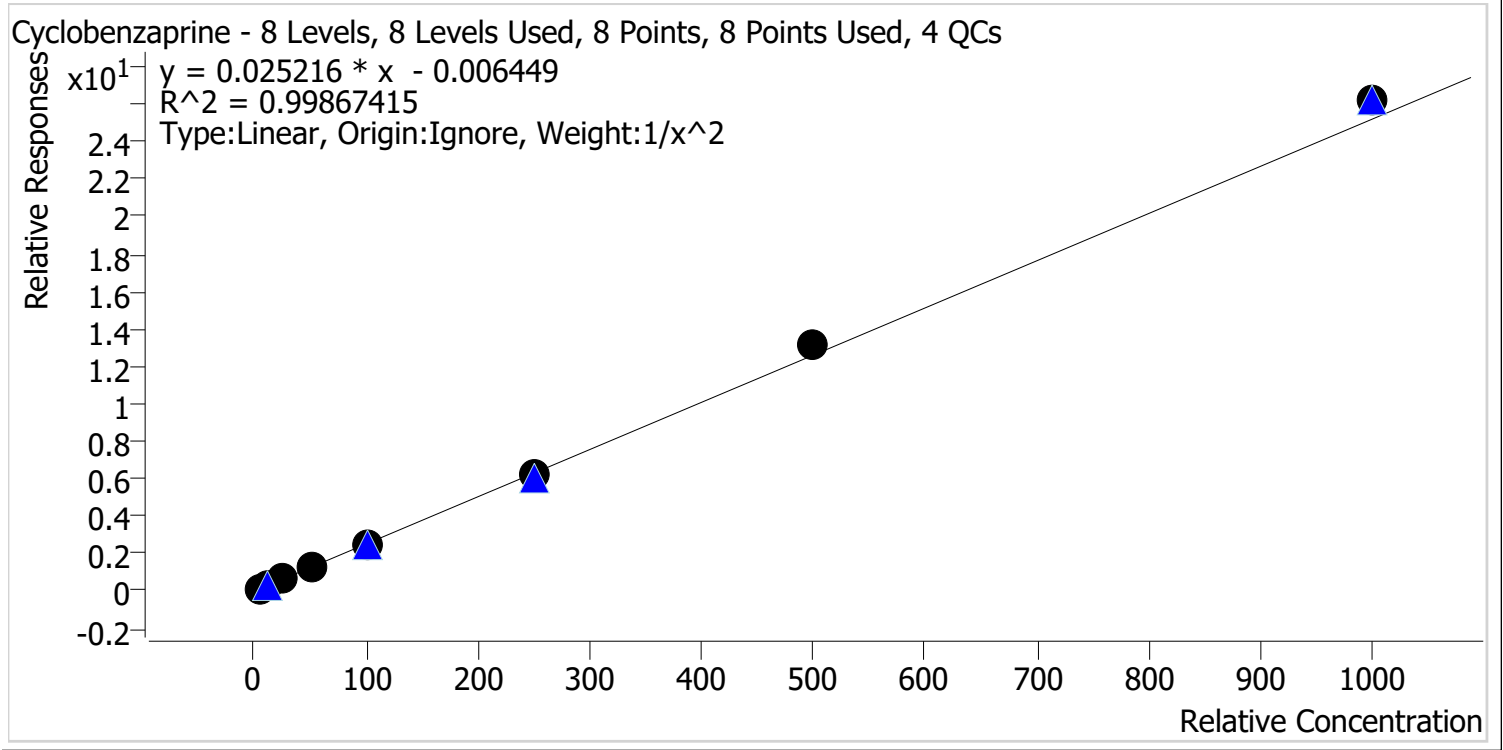
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	54.9	109.8
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	235.0	94.0
p1 Cal 7-500ng	7	✓	500.0	419.9	84.0
p1 Cal 8-1000ng	8	✗	1000.0	749.1	74.9

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



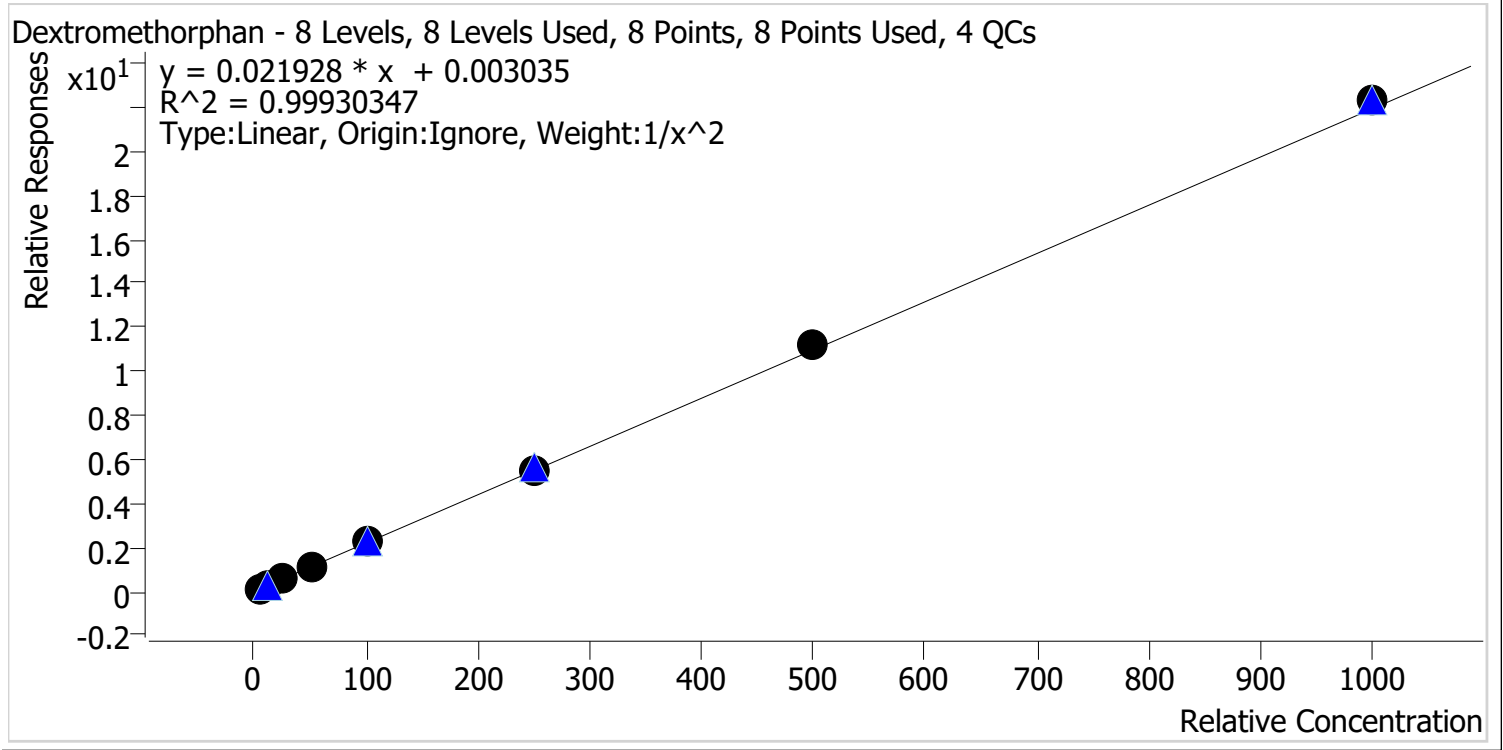
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	518.4	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1039.2	103.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3



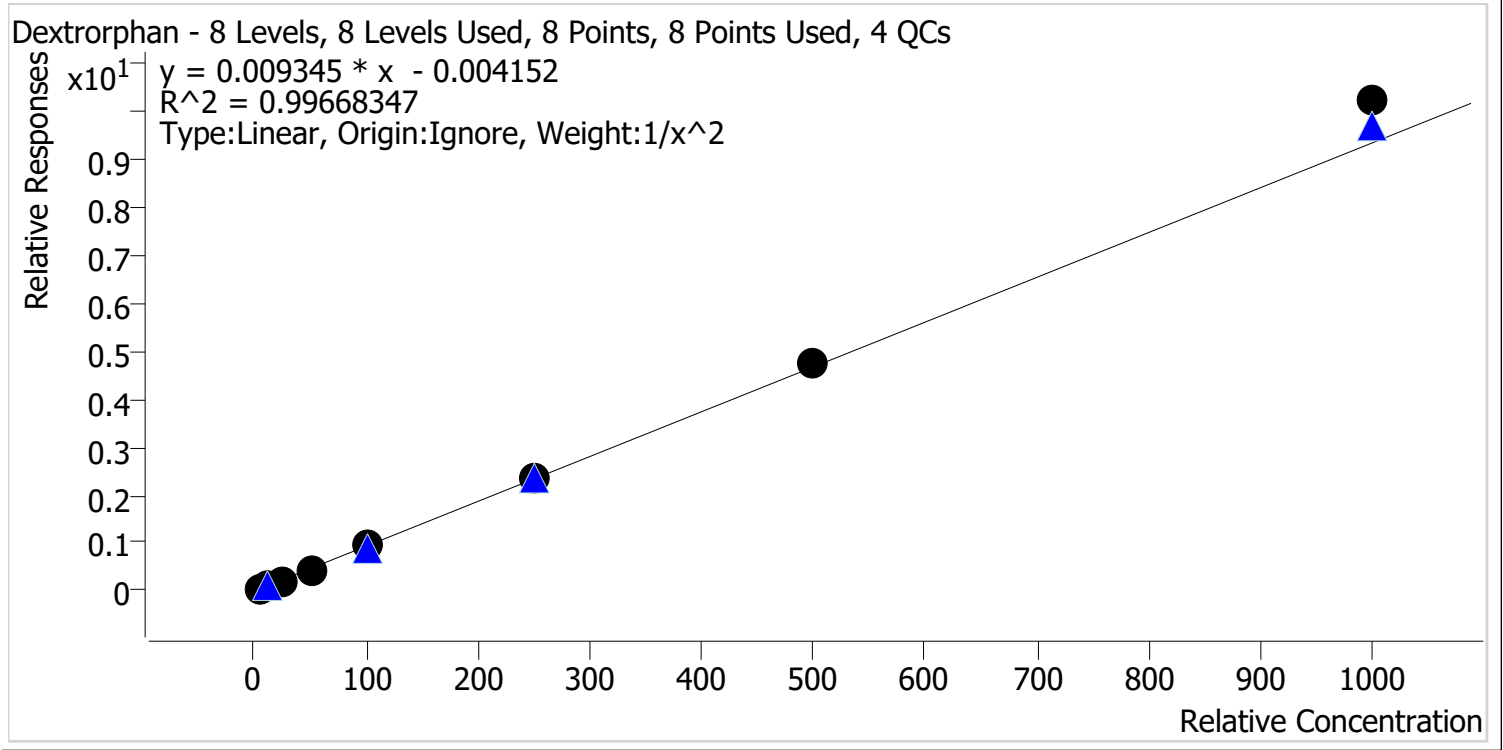
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	511.9	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1017.1	101.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3



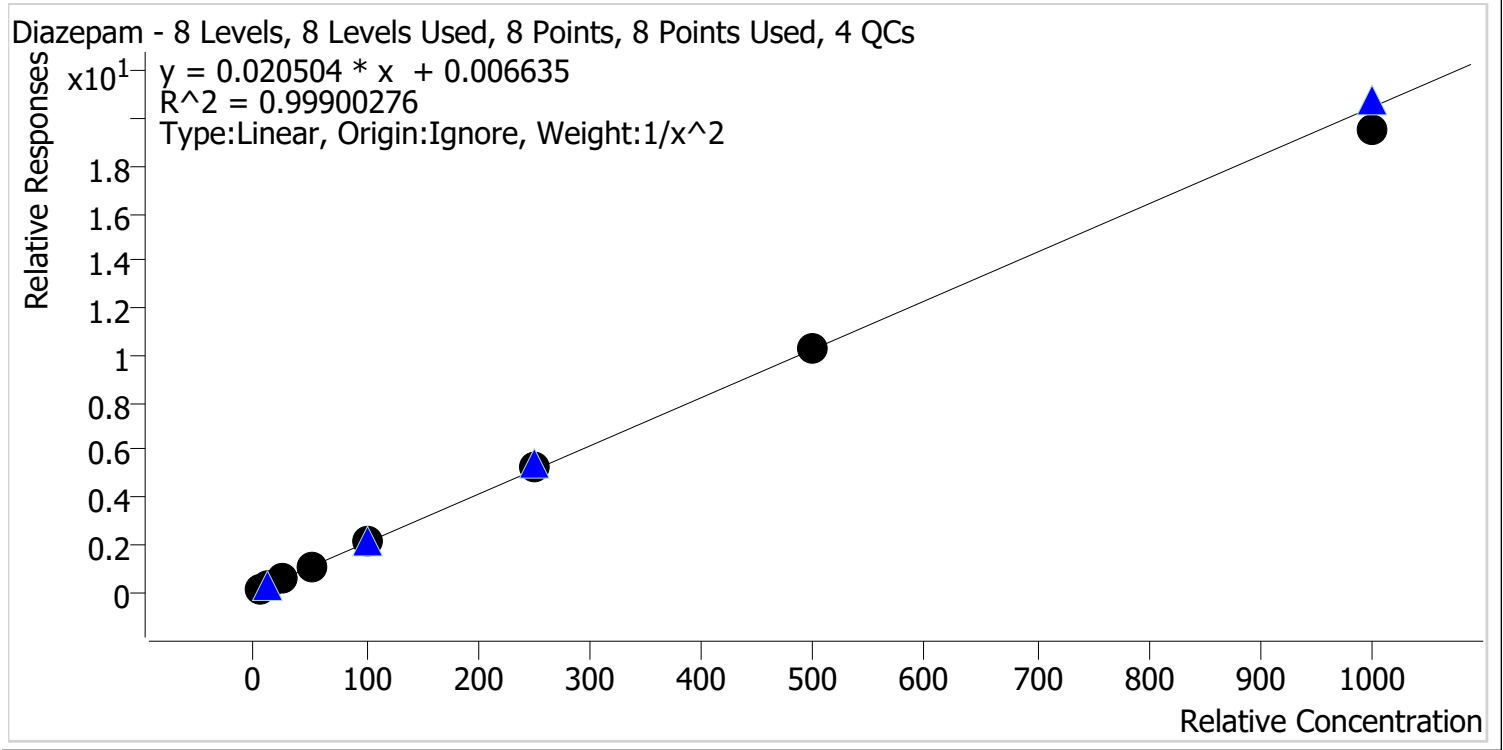
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	46.2	92.4
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1094.5	109.4

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



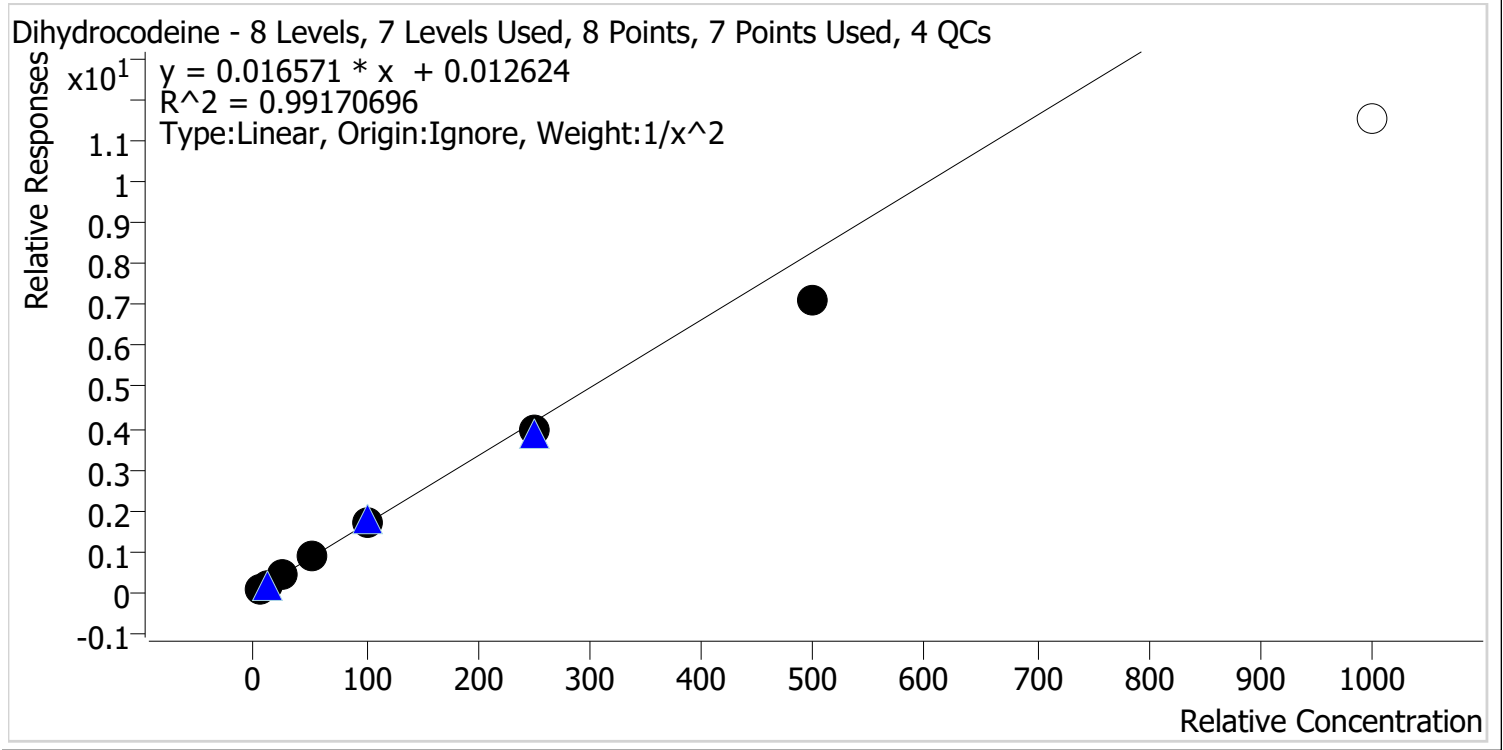
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	504.3	100.9
p1 Cal 8-1000ng	8	✓	1000.0	956.2	95.6

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

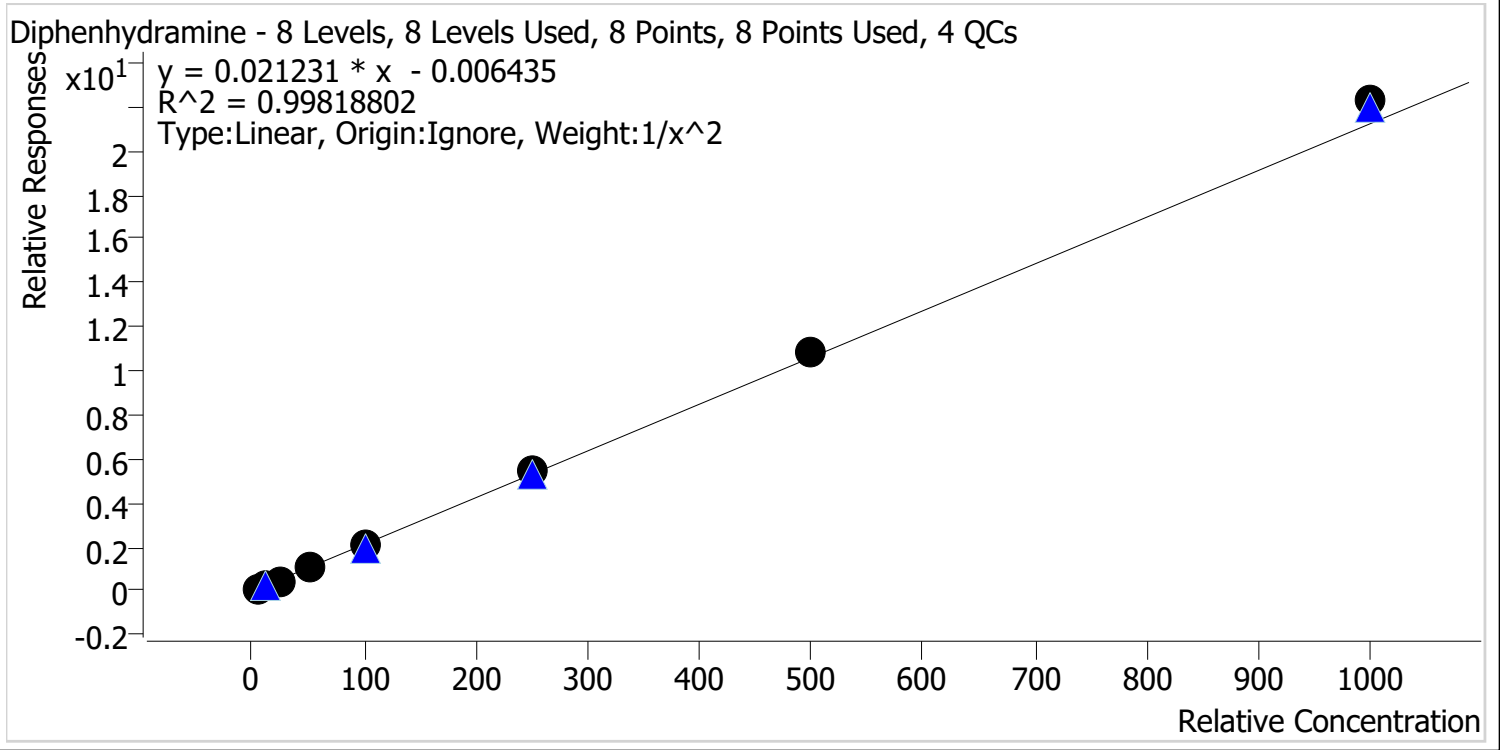


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.8
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	239.6	95.9
p1 Cal 7-500ng	7	✓	500.0	431.1	86.2
p1 Cal 8-1000ng	8	x	1000.0	694.6	69.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3



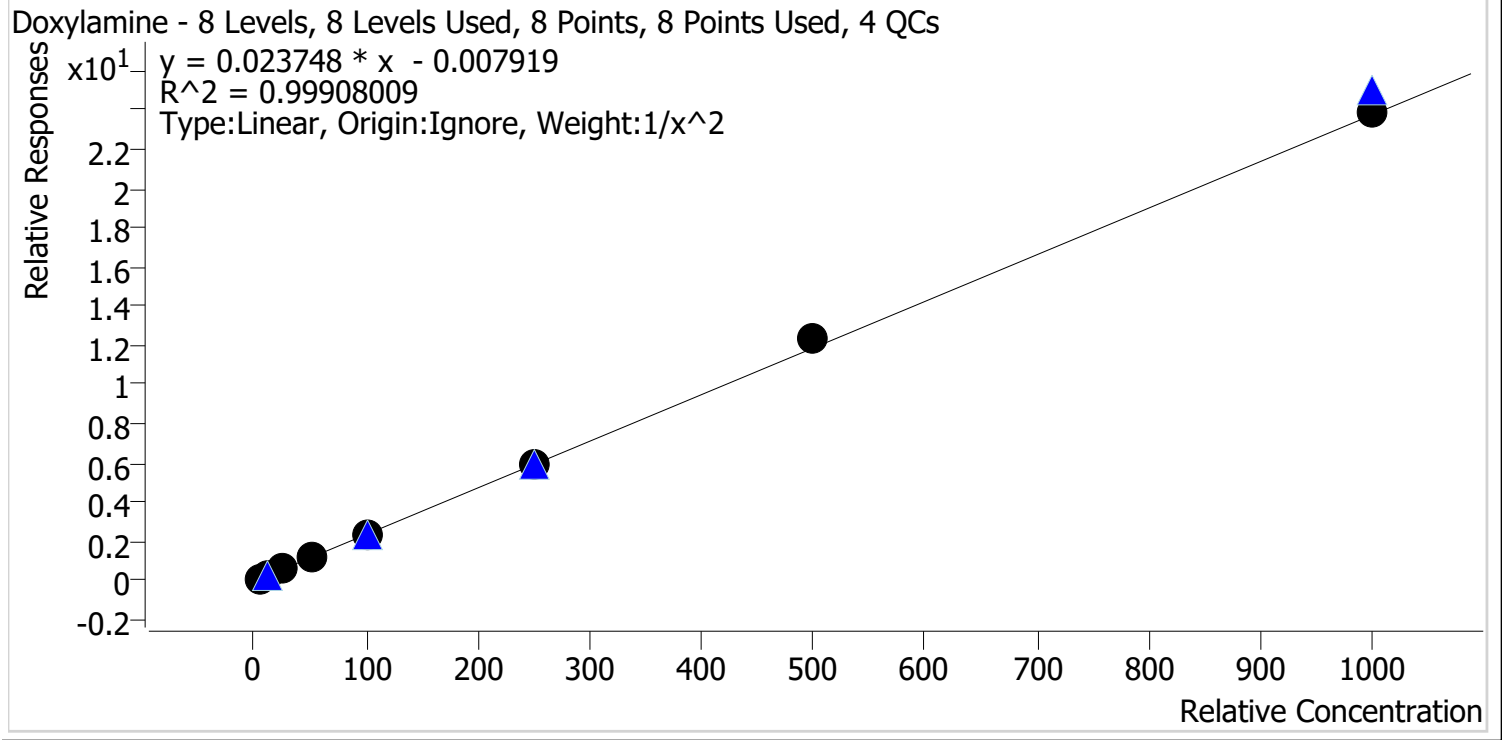
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.2
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	512.7	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1049.5	105.0

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

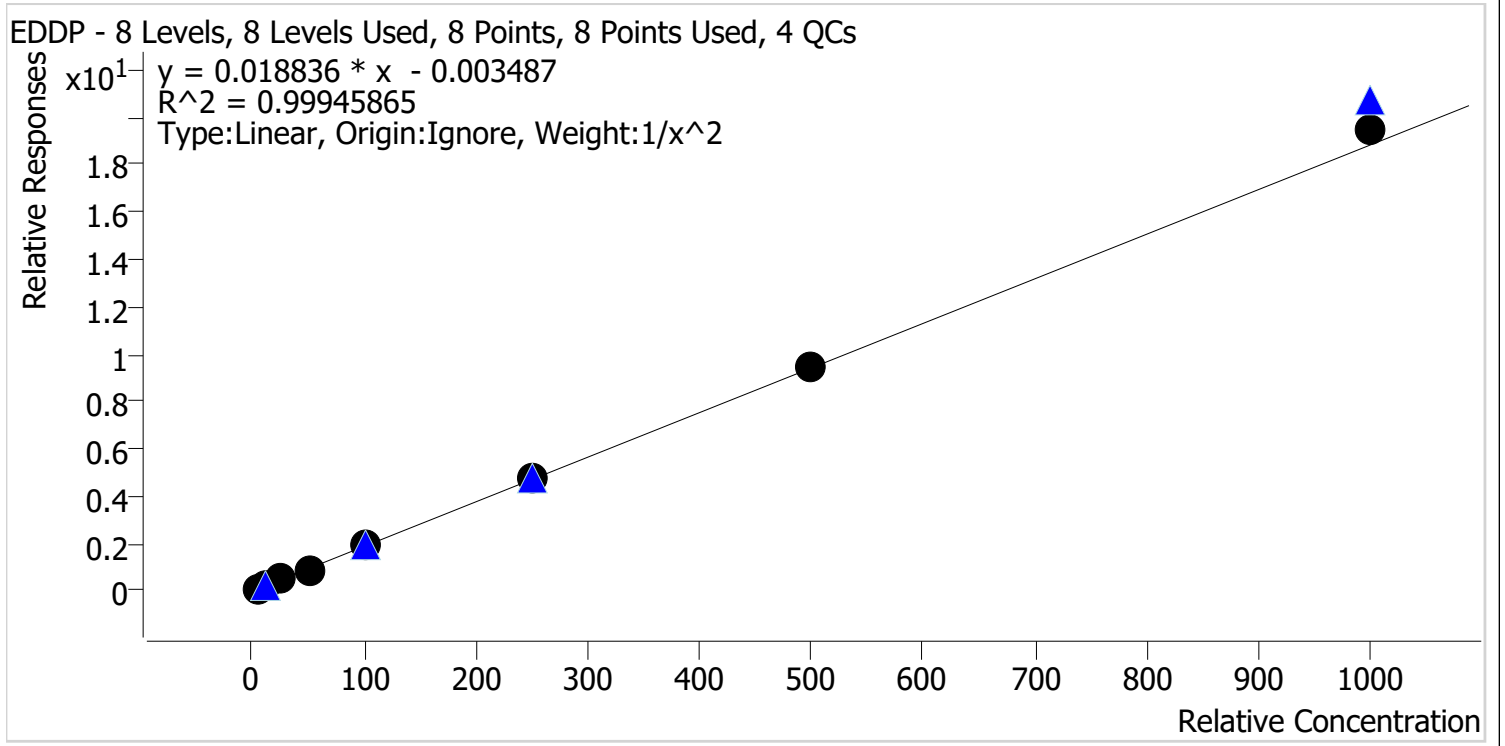


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	521.9	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1006.6	100.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte EDDP **Internal Standard** EDDP-D3

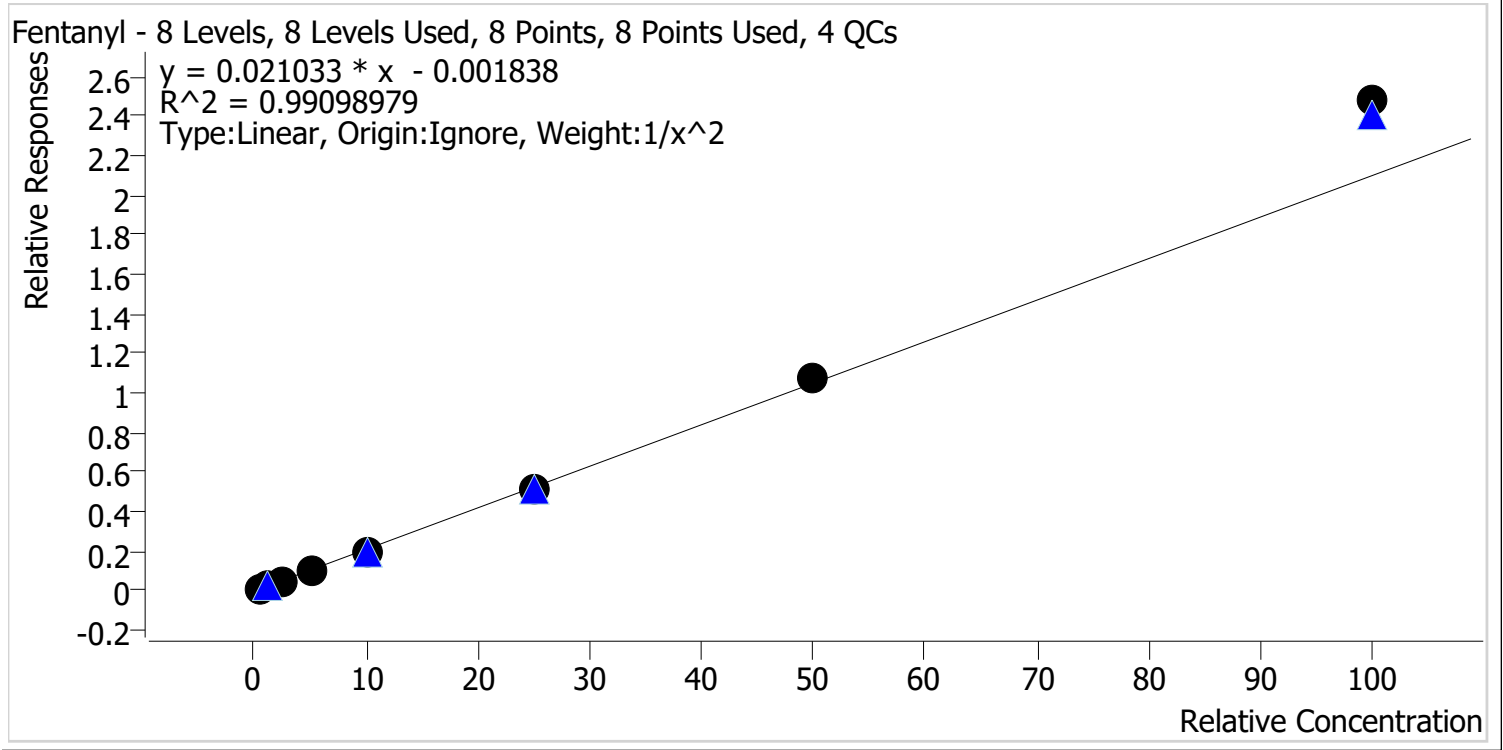


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	48.8	97.5
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	503.0	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1032.9	103.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5



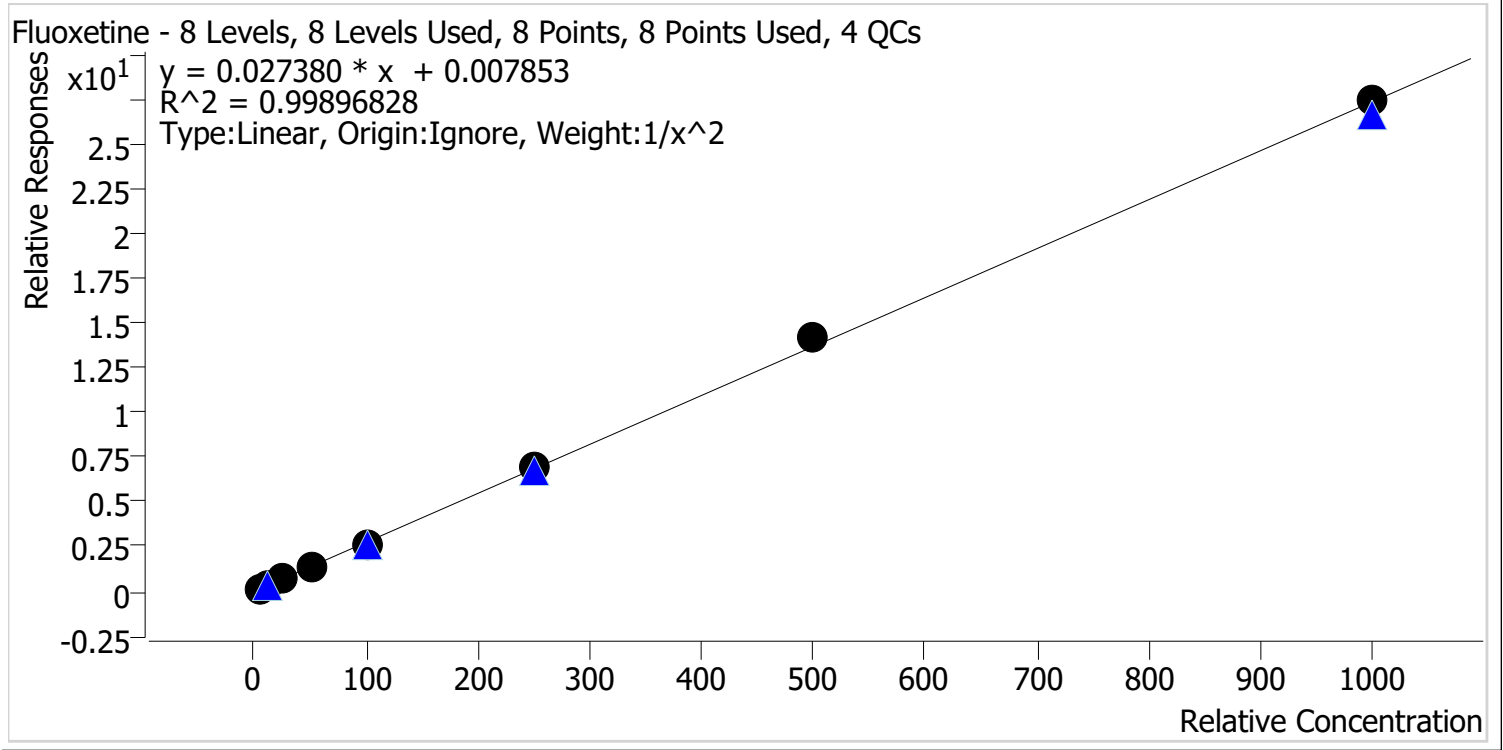
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.0
p1 Cal 2-10ng	2	✓	1.0	1.0	98.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.4
p1 Cal 4-50ng	4	✓	5.0	4.7	93.4
p1 Cal 5-100ng	5	✓	10.0	9.2	92.4
p1 Cal 6-250ng	6	✓	25.0	24.6	98.4
p1 Cal 7-500ng	7	✓	50.0	51.1	102.3
p1 Cal 8-1000ng	8	✓	100.0	118.1	118.1

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



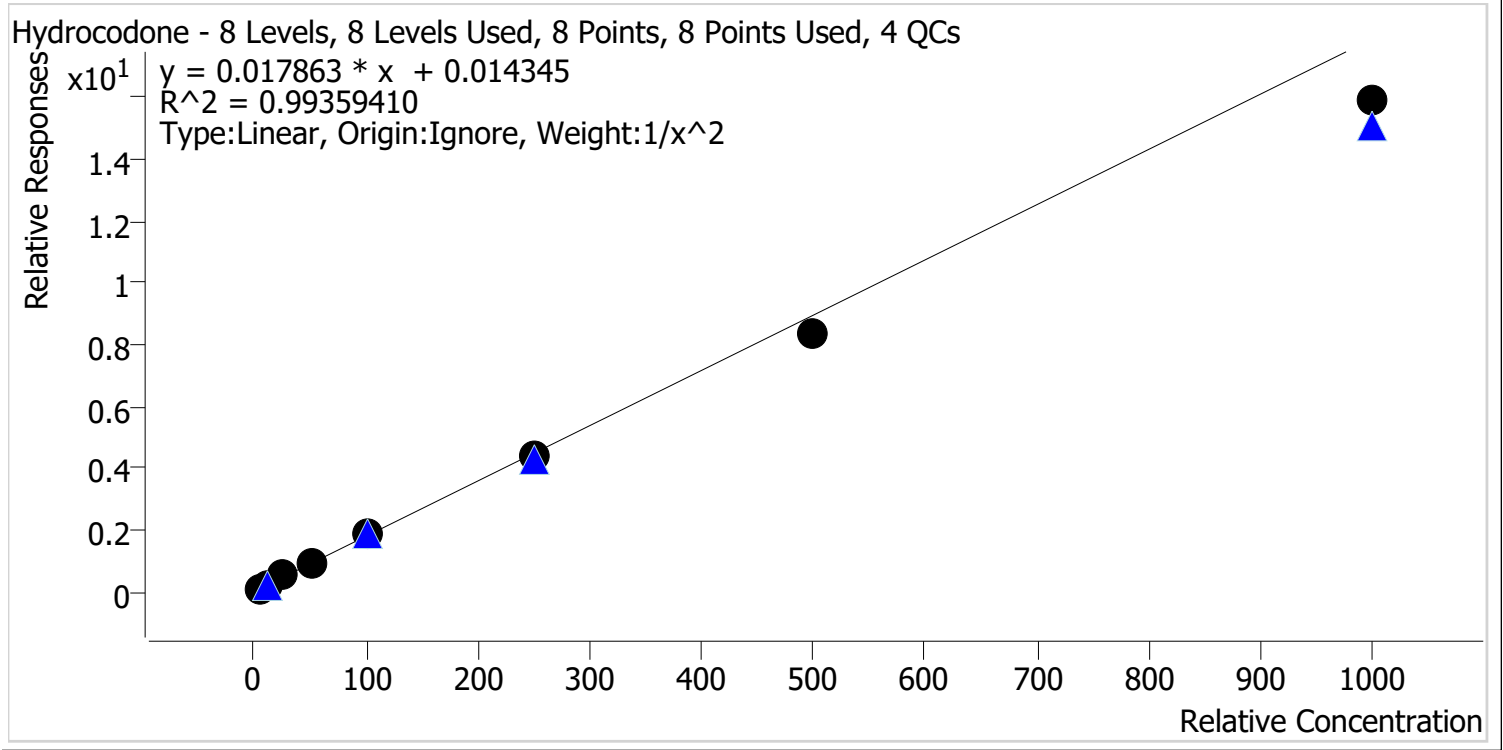
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.5	95.4
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	520.9	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1002.6	100.3

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



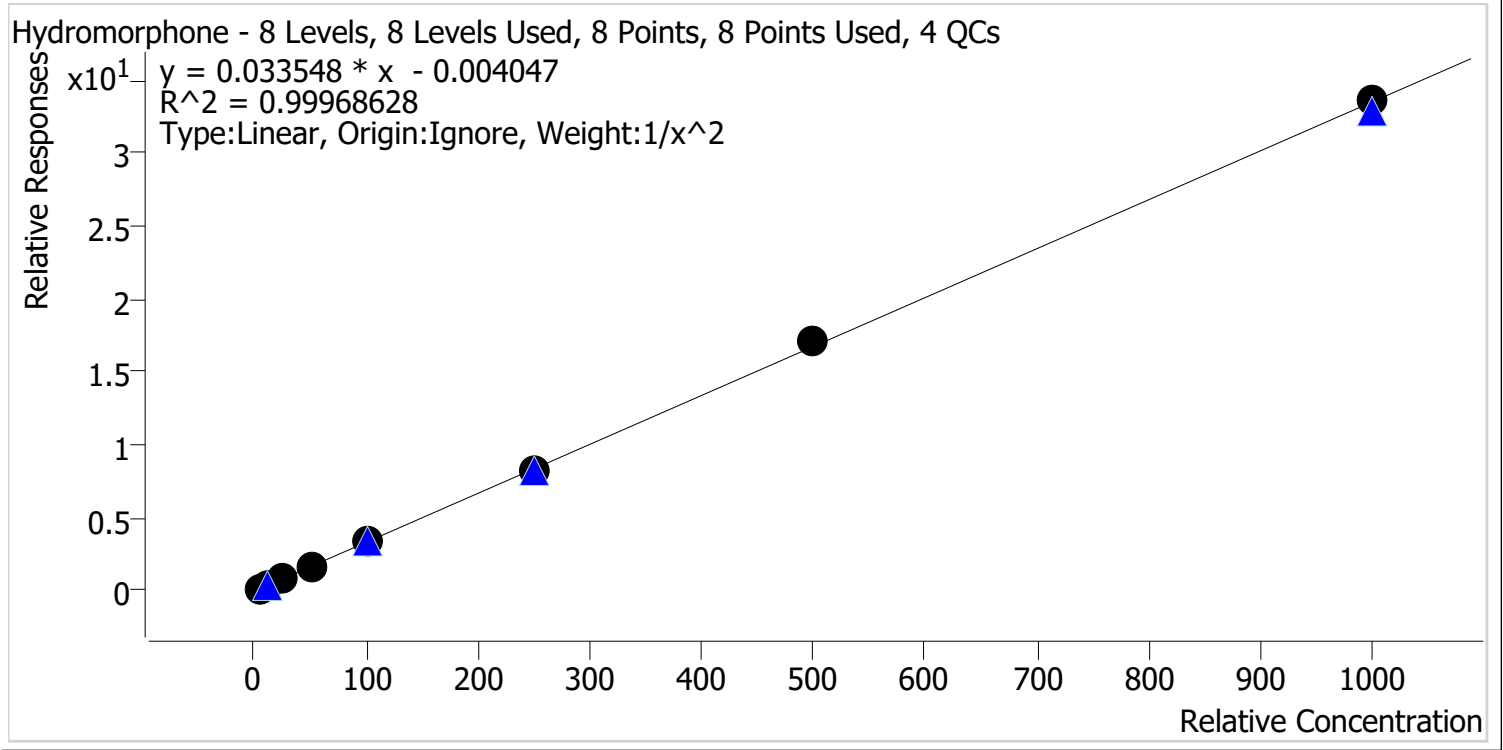
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	27.5	109.9
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	467.2	93.4
p1 Cal 8-1000ng	8	✓	1000.0	888.4	88.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

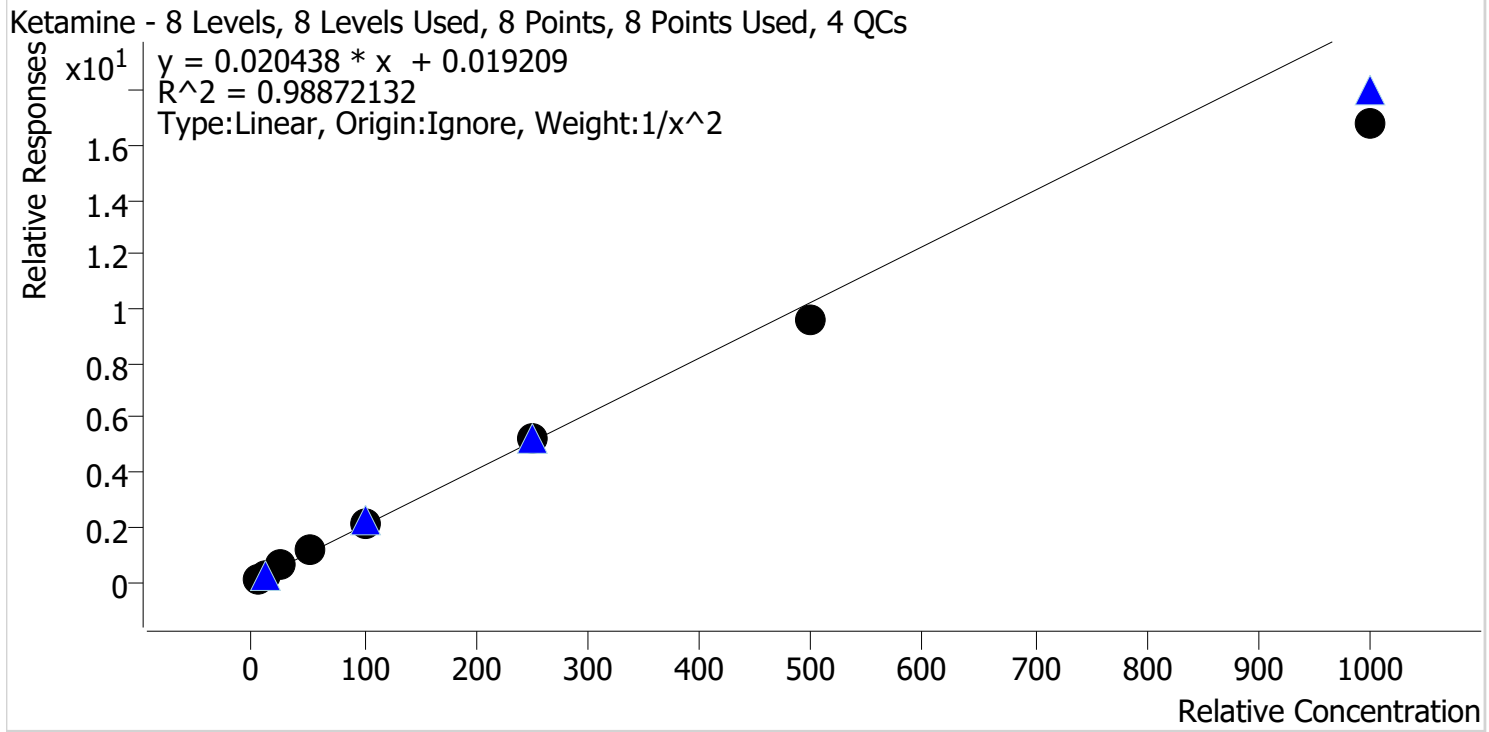


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	509.6	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1002.7	100.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



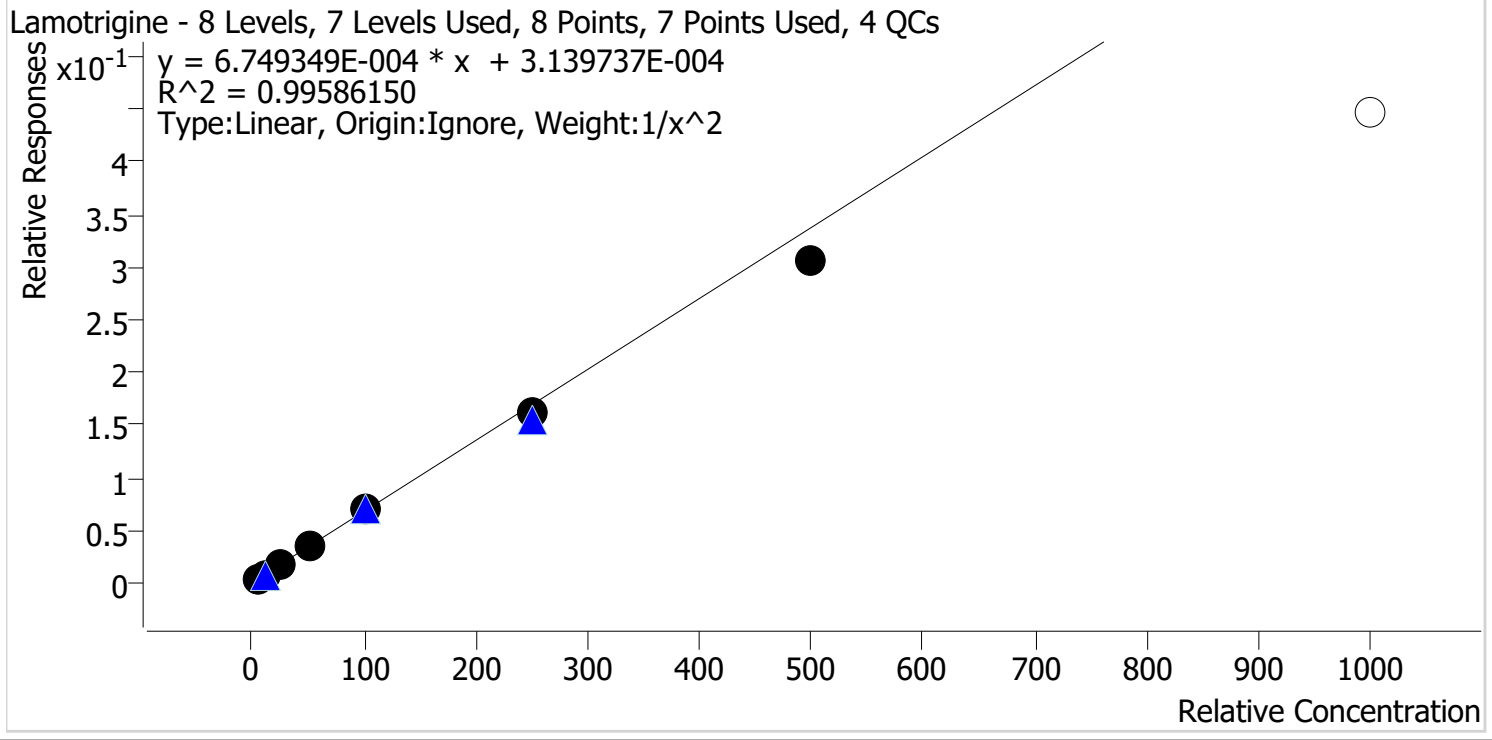
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	95.0
p1 Cal 2-10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.9
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	467.4	93.5
p1 Cal 8-1000ng	8	✓	1000.0	822.1	82.2

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Lamotrigine **Internal Standard** Pseudoephedrine-D3



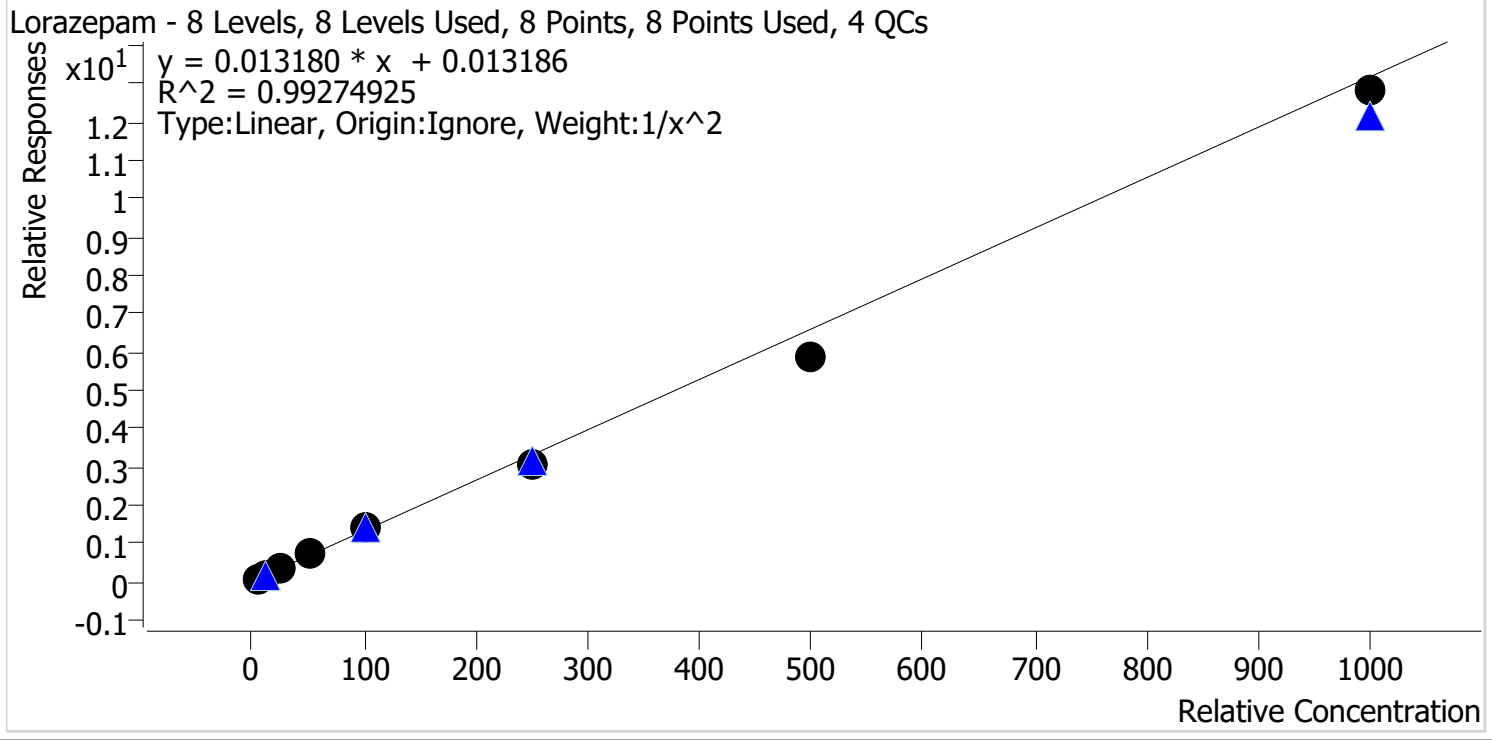
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	240.7	96.3
p1 Cal 7-500ng	7	✓	500.0	453.9	90.8
p1 Cal 8-1000ng	8	✗	1000.0	661.9	66.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

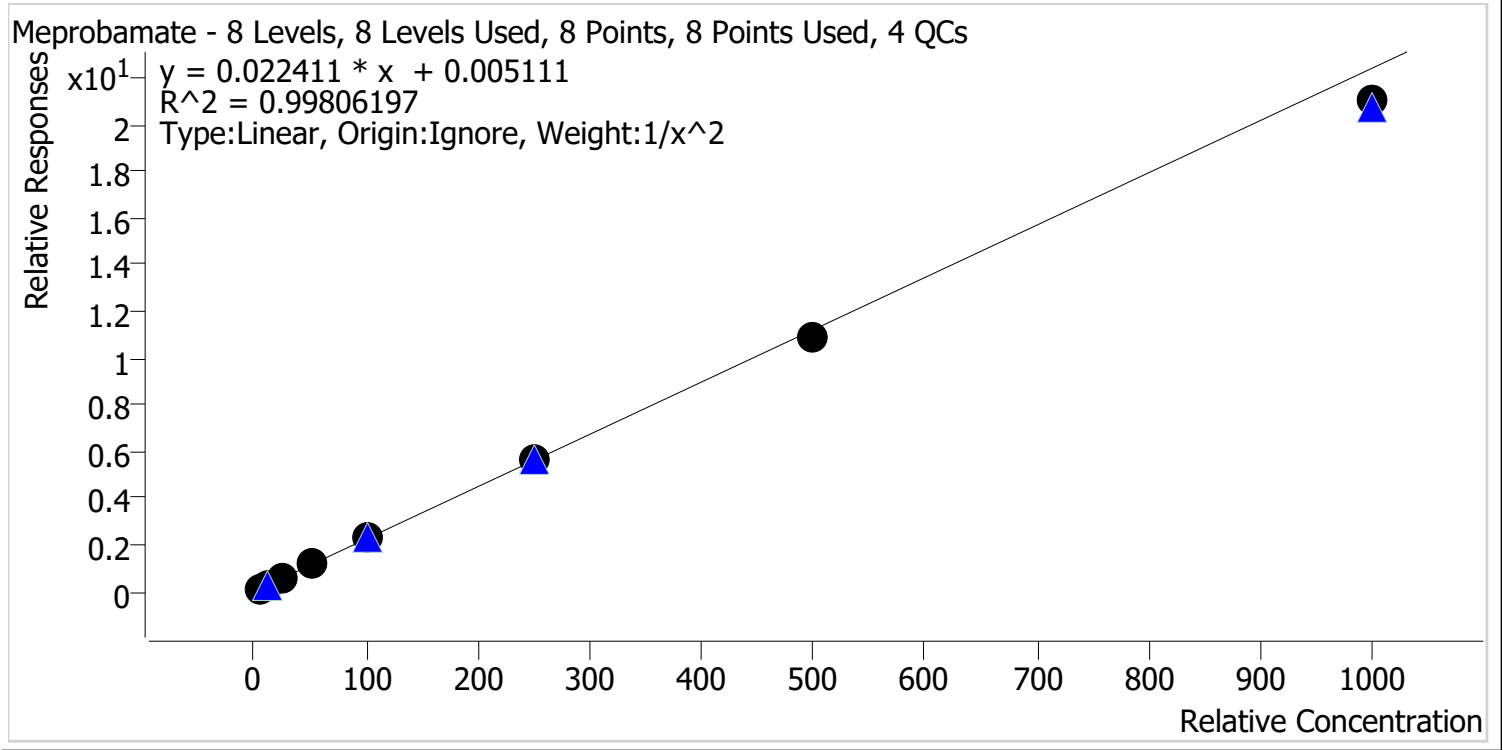


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.1
p1 Cal 4-50ng	4	✓	50.0	54.2	108.5
p1 Cal 5-100ng	5	✓	100.0	106.4	106.4
p1 Cal 6-250ng	6	✓	250.0	230.9	92.4
p1 Cal 7-500ng	7	✓	500.0	444.3	88.9
p1 Cal 8-1000ng	8	✓	1000.0	972.6	97.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

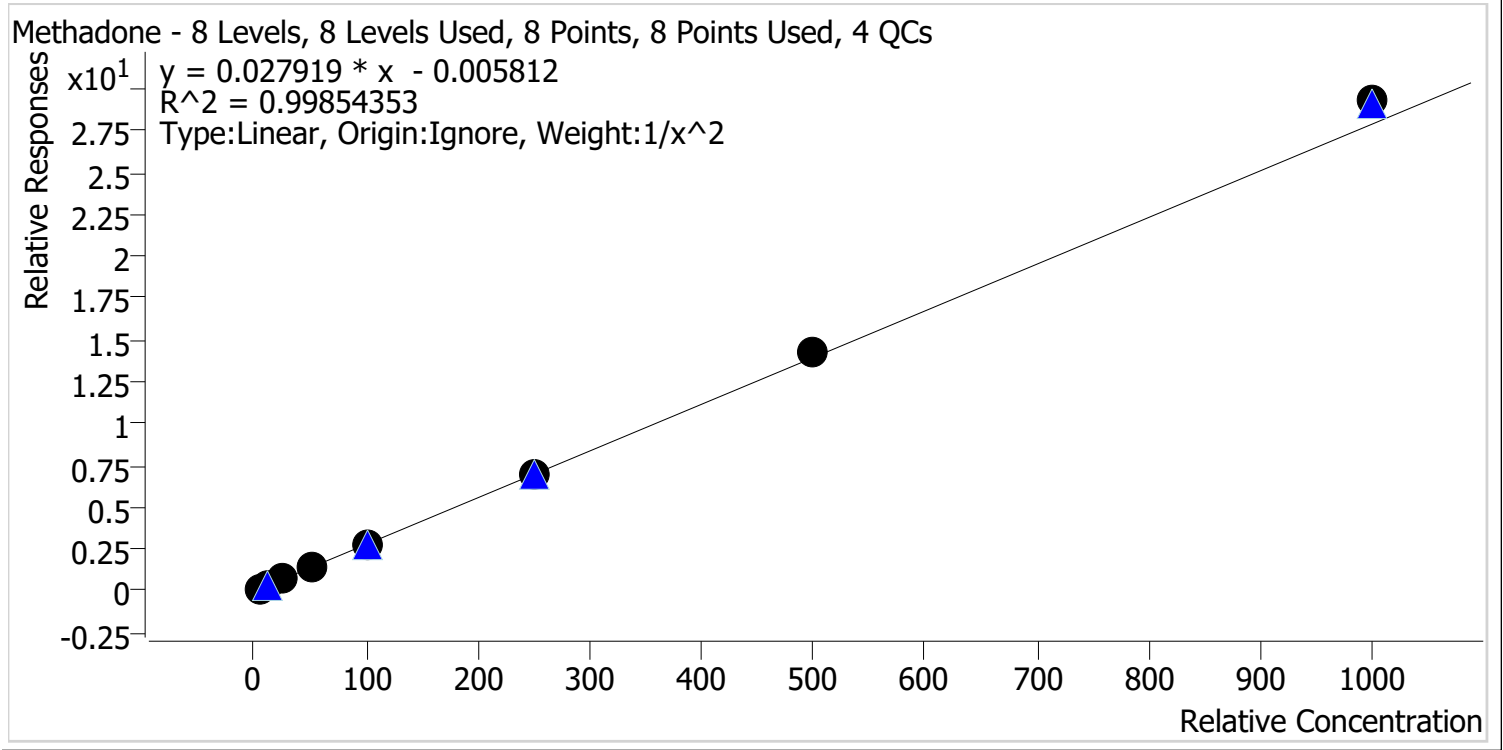


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	488.1	97.6
p1 Cal 8-1000ng	8	✓	1000.0	938.0	93.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9



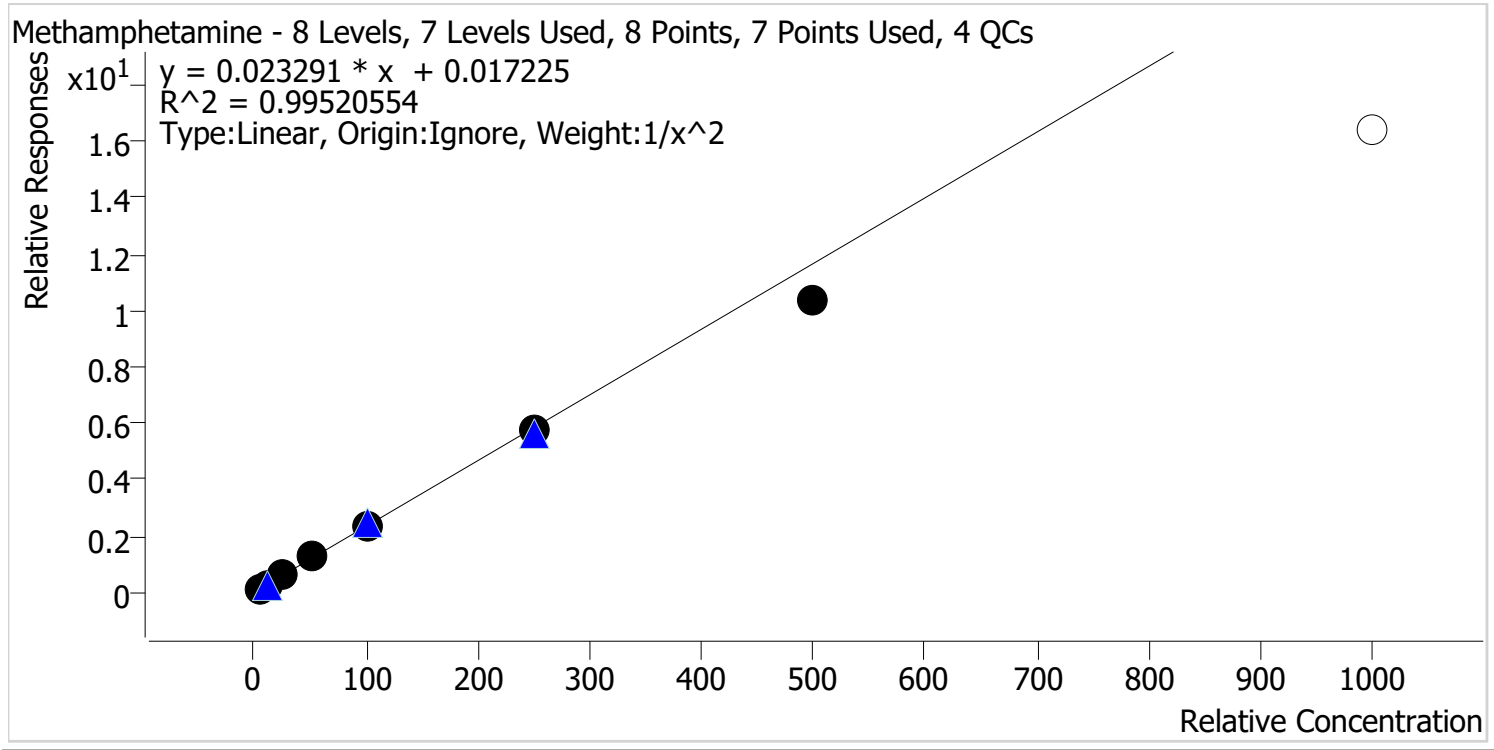
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	509.8	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1050.3	105.0

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 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	98.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.8
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	446.0	89.2
p1 Cal 8-1000ng	8	✗	1000.0	705.0	70.5

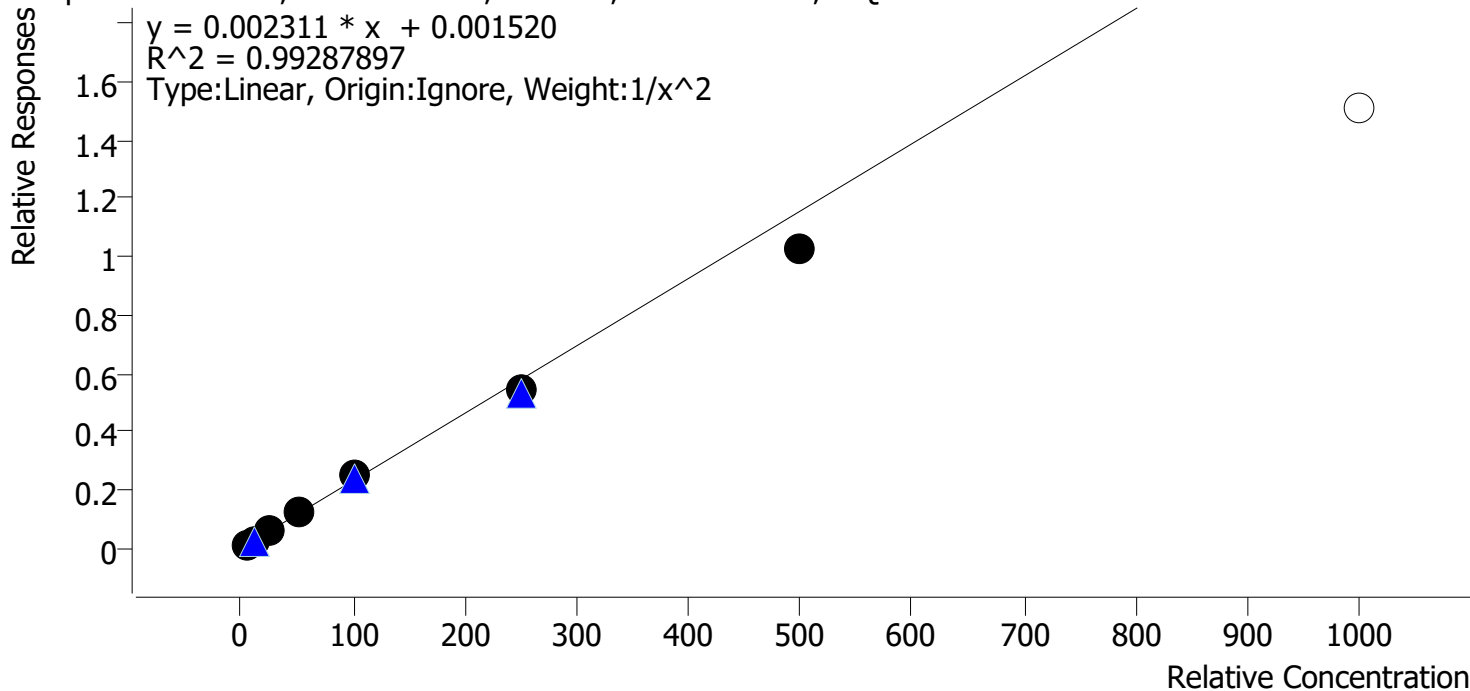
cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

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



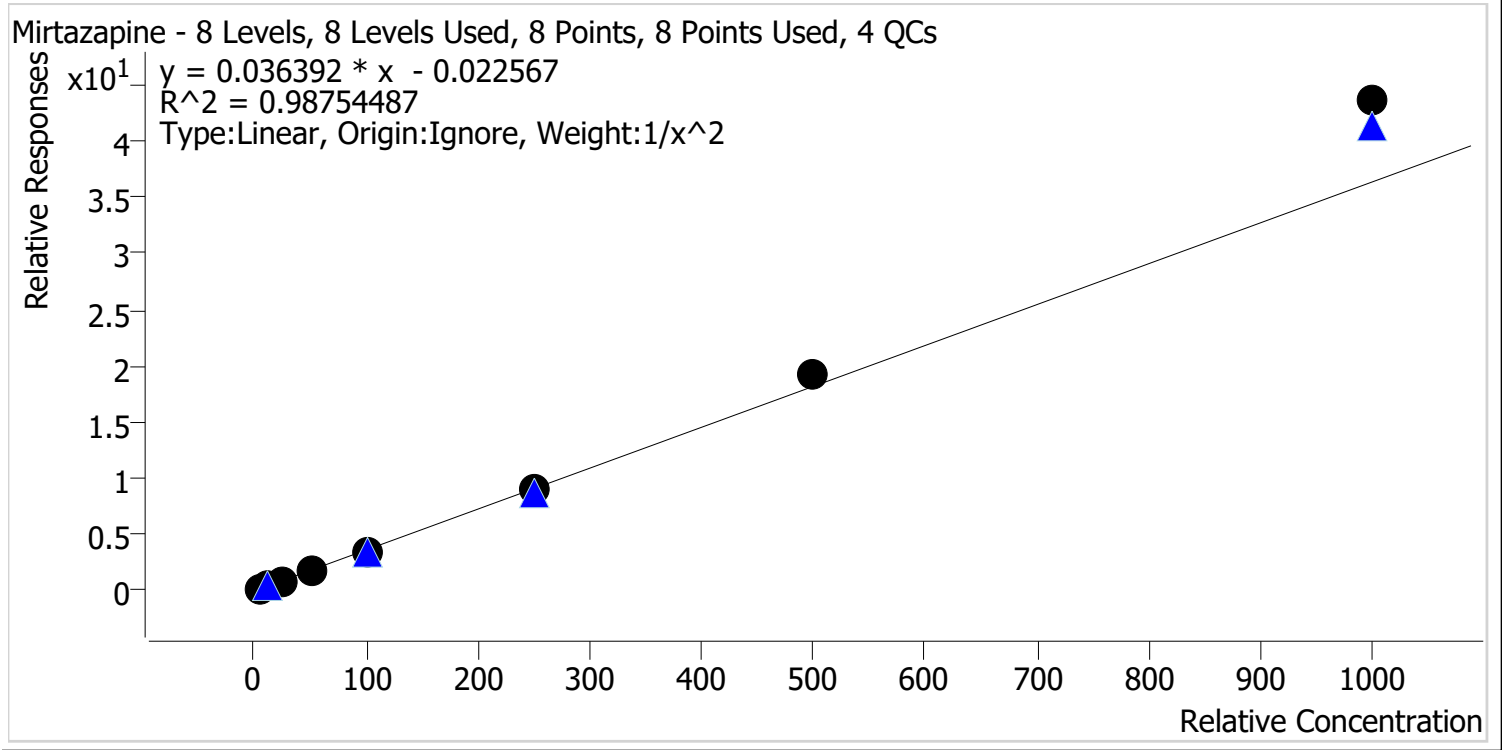
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	54.1	108.1
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	233.7	93.5
p1 Cal 7-500ng	7	✓	500.0	443.4	88.7
p1 Cal 8-1000ng	8	✗	1000.0	655.5	65.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-D8



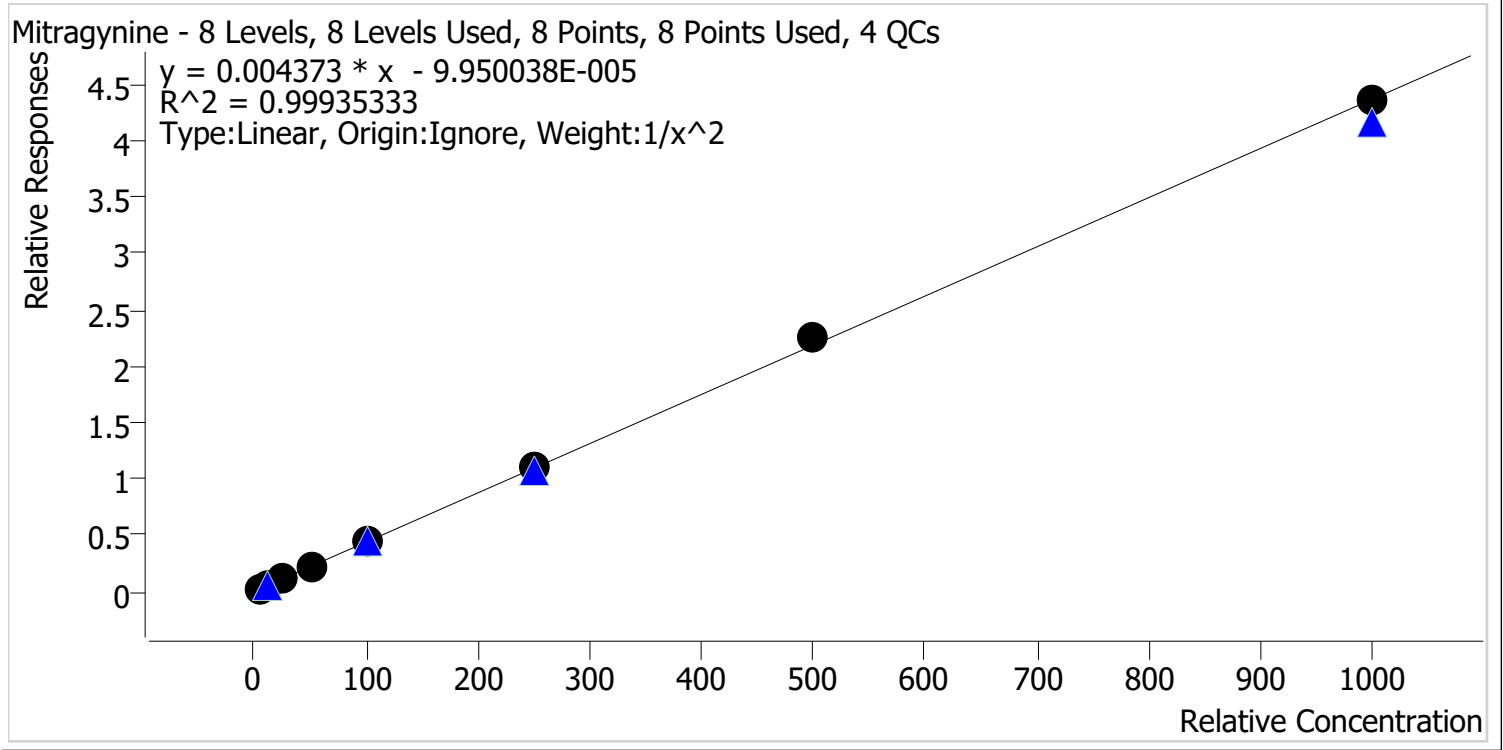
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.9
p1 Cal 2-10ng	2	✓	10.0	9.6	95.7
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.6
p1 Cal 4-50ng	4	✓	50.0	45.5	91.0
p1 Cal 5-100ng	5	✓	100.0	93.2	93.2
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	525.3	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1199.0	119.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



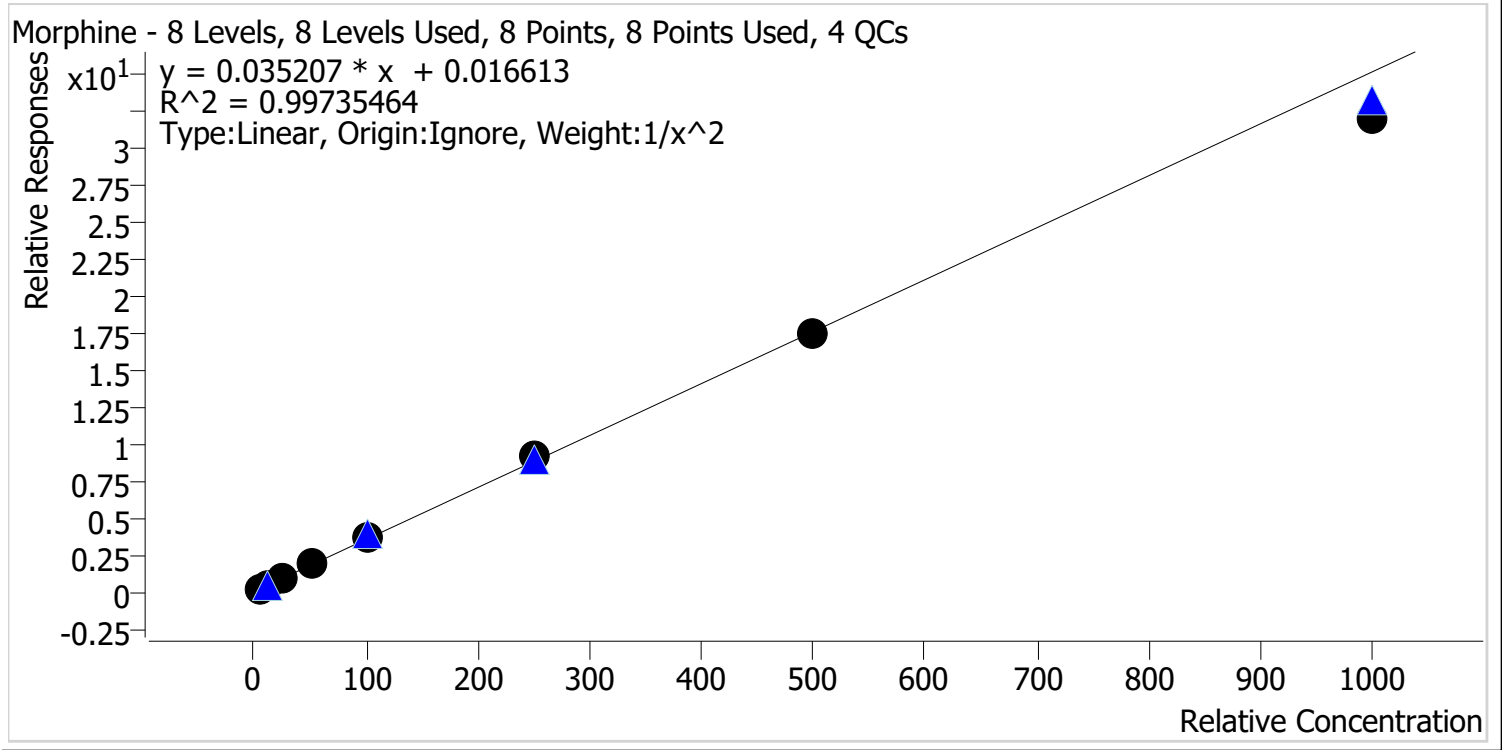
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	512.6	102.5
p1 Cal 8-1000ng	8	✓	1000.0	997.3	99.7

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Morphine **Internal Standard** Morphine-D6



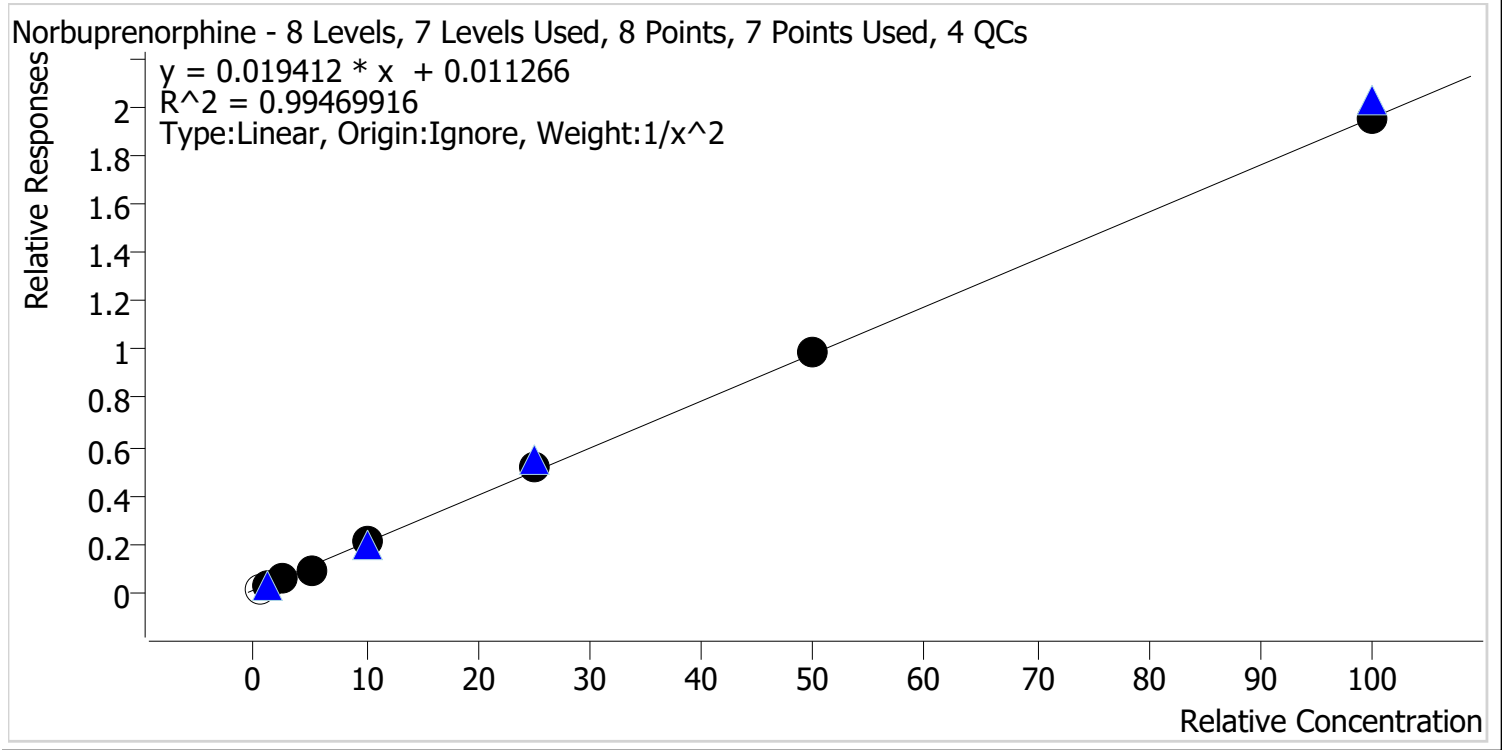
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	258.9	103.6
p1 Cal 7-500ng	7	✓	500.0	496.2	99.2
p1 Cal 8-1000ng	8	✓	1000.0	907.3	90.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



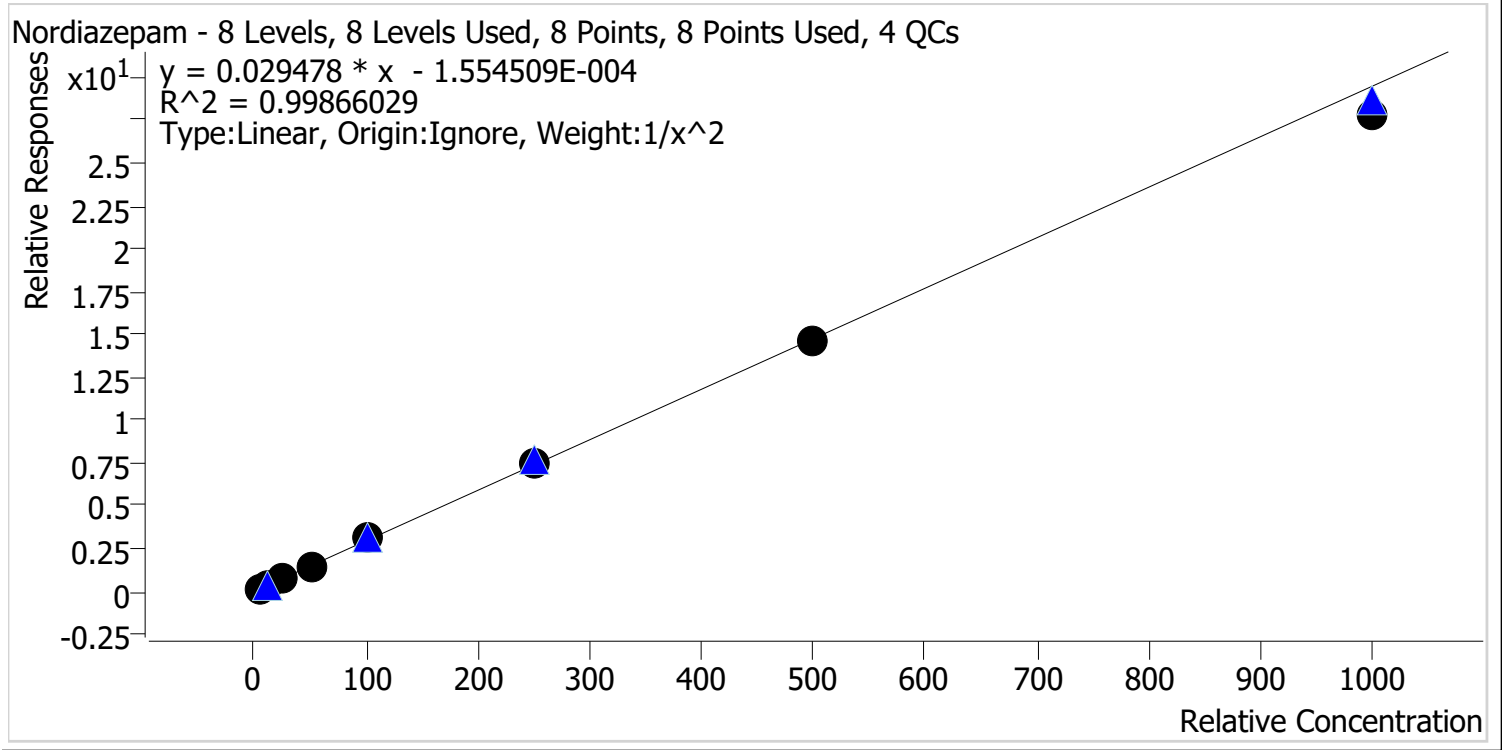
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.2	42.7
p1 Cal 2-10ng	2	✓	1.0	1.0	99.2
p1 Cal 3 -25ng	3	✓	2.5	2.7	107.6
p1 Cal 4-50ng	4	✓	5.0	4.4	87.8
p1 Cal 5-100ng	5	✓	10.0	9.9	99.2
p1 Cal 6-250ng	6	✓	25.0	26.3	105.1
p1 Cal 7-500ng	7	✓	50.0	50.6	101.2
p1 Cal 8-1000ng	8	✓	100.0	99.8	99.8

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Nordiazepam Internal Standard Nordiazepam-D5

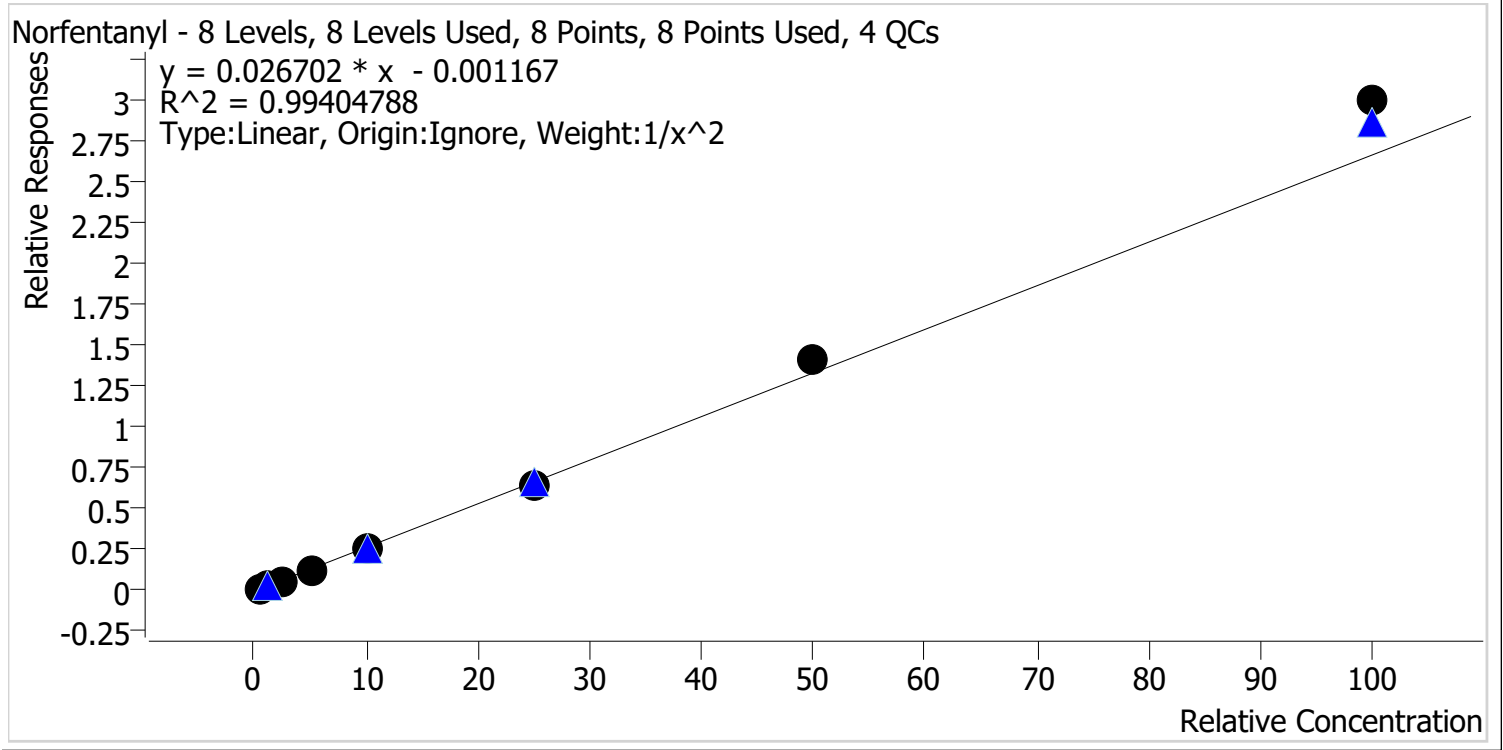


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	493.6	98.7
p1 Cal 8-1000ng	8	✓	1000.0	943.9	94.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



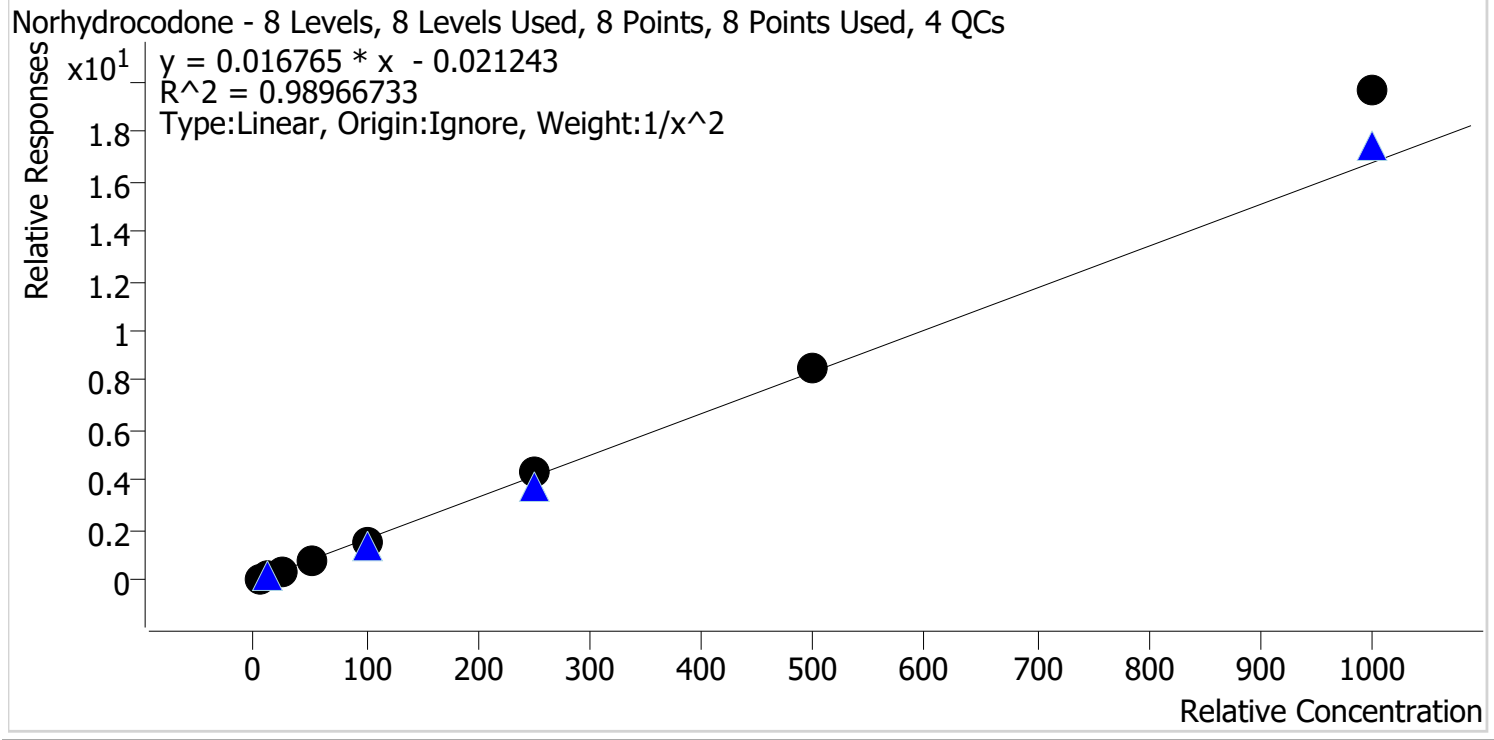
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.4
p1 Cal 2-10ng	2	✓	1.0	1.0	97.2
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.9
p1 Cal 4-50ng	4	✓	5.0	4.7	94.3
p1 Cal 5-100ng	5	✓	10.0	9.4	94.4
p1 Cal 6-250ng	6	✓	25.0	24.6	98.3
p1 Cal 7-500ng	7	✓	50.0	53.0	106.1
p1 Cal 8-1000ng	8	✓	100.0	112.5	112.5

9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



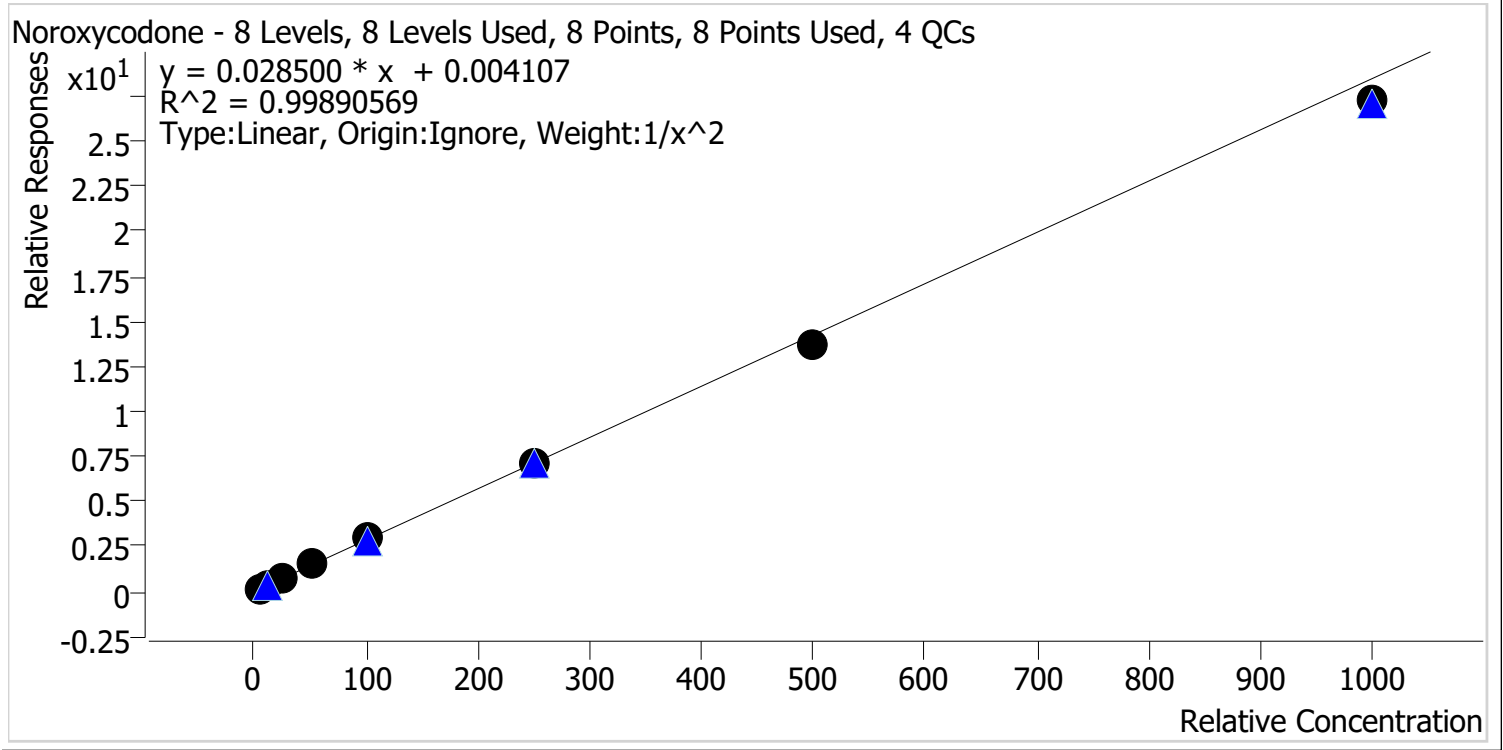
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.1
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	22.5	90.2
p1 Cal 4-50ng	4	✓	50.0	45.5	91.0
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	256.8	102.7
p1 Cal 7-500ng	7	✓	500.0	512.2	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1172.2	117.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



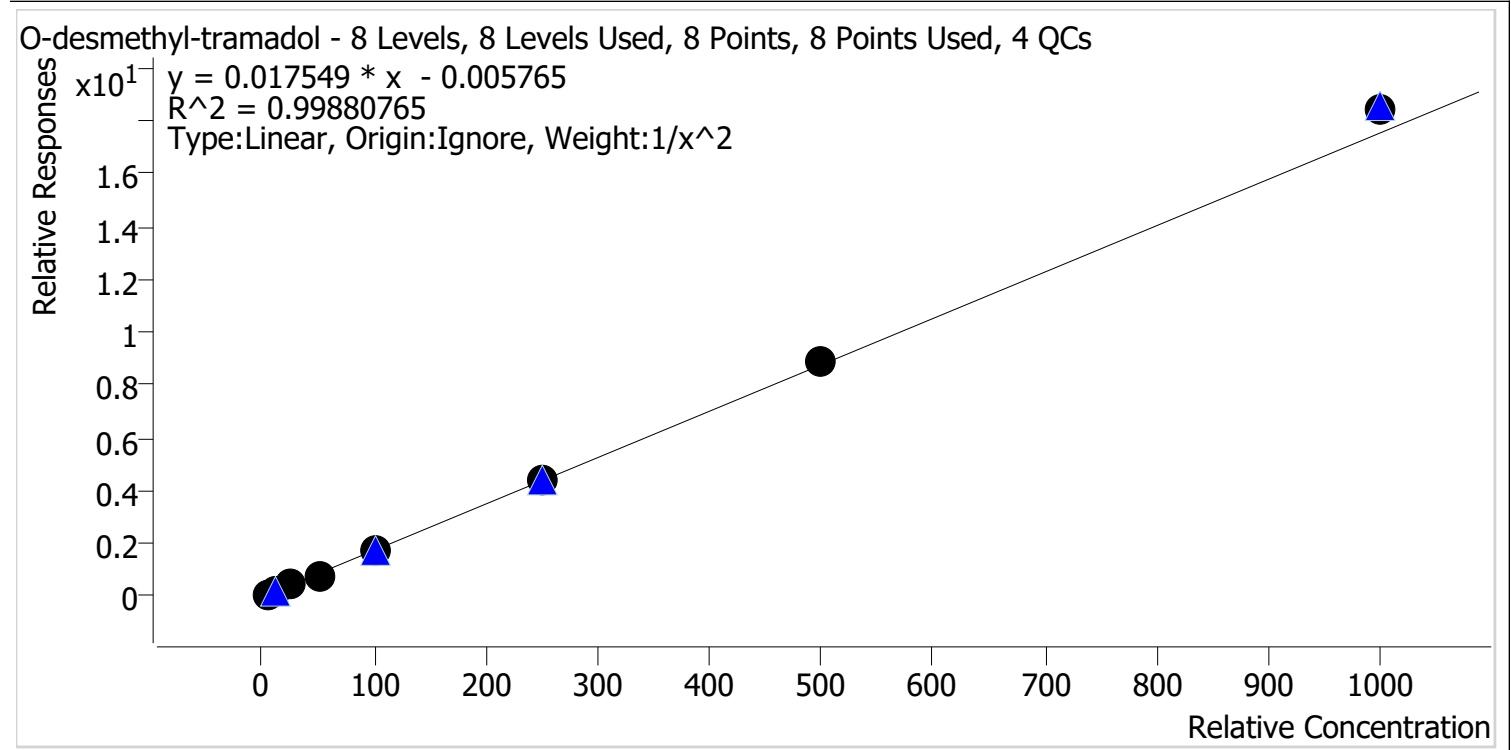
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	484.6	96.9
p1 Cal 8-1000ng	8	✓	1000.0	957.1	95.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



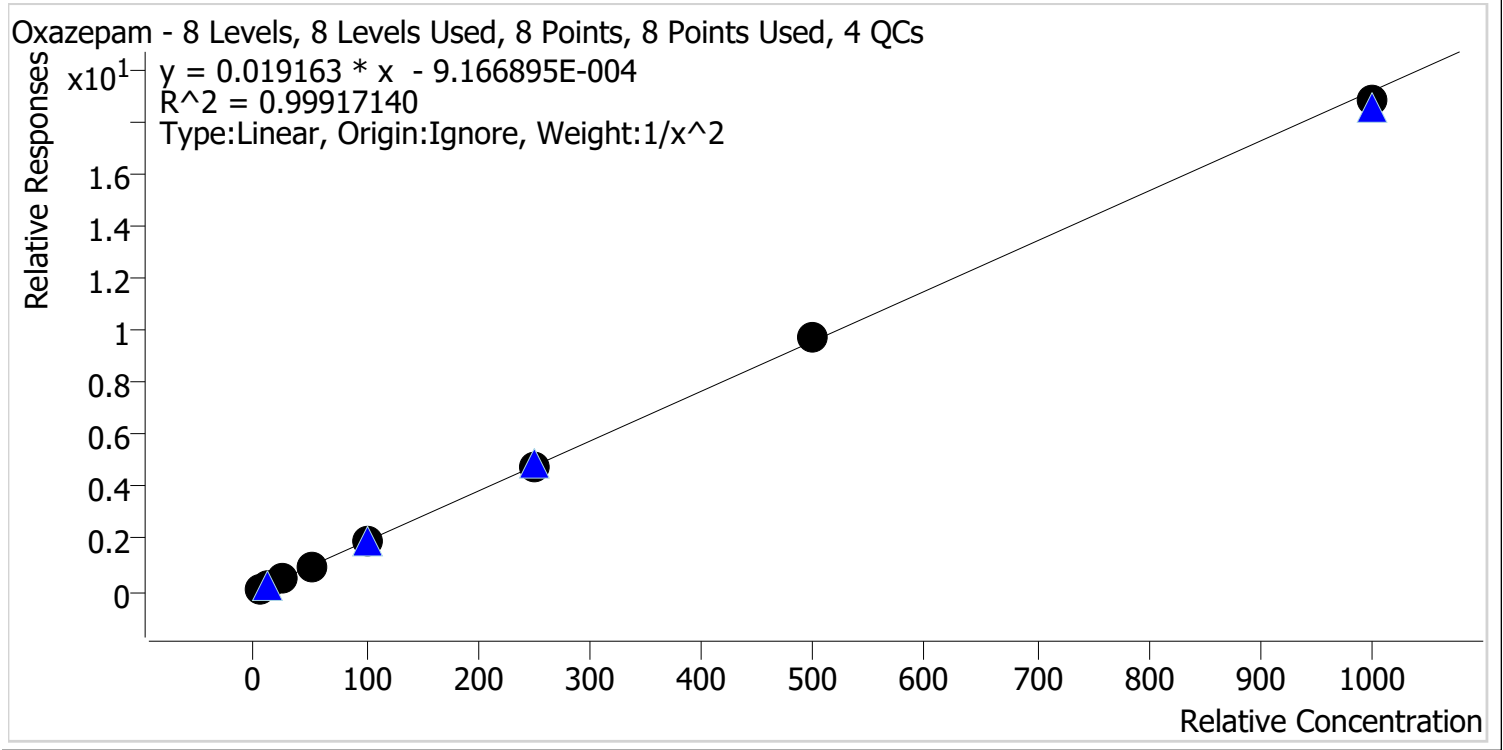
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	47.6	95.3
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	510.0	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1053.8	105.4

5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

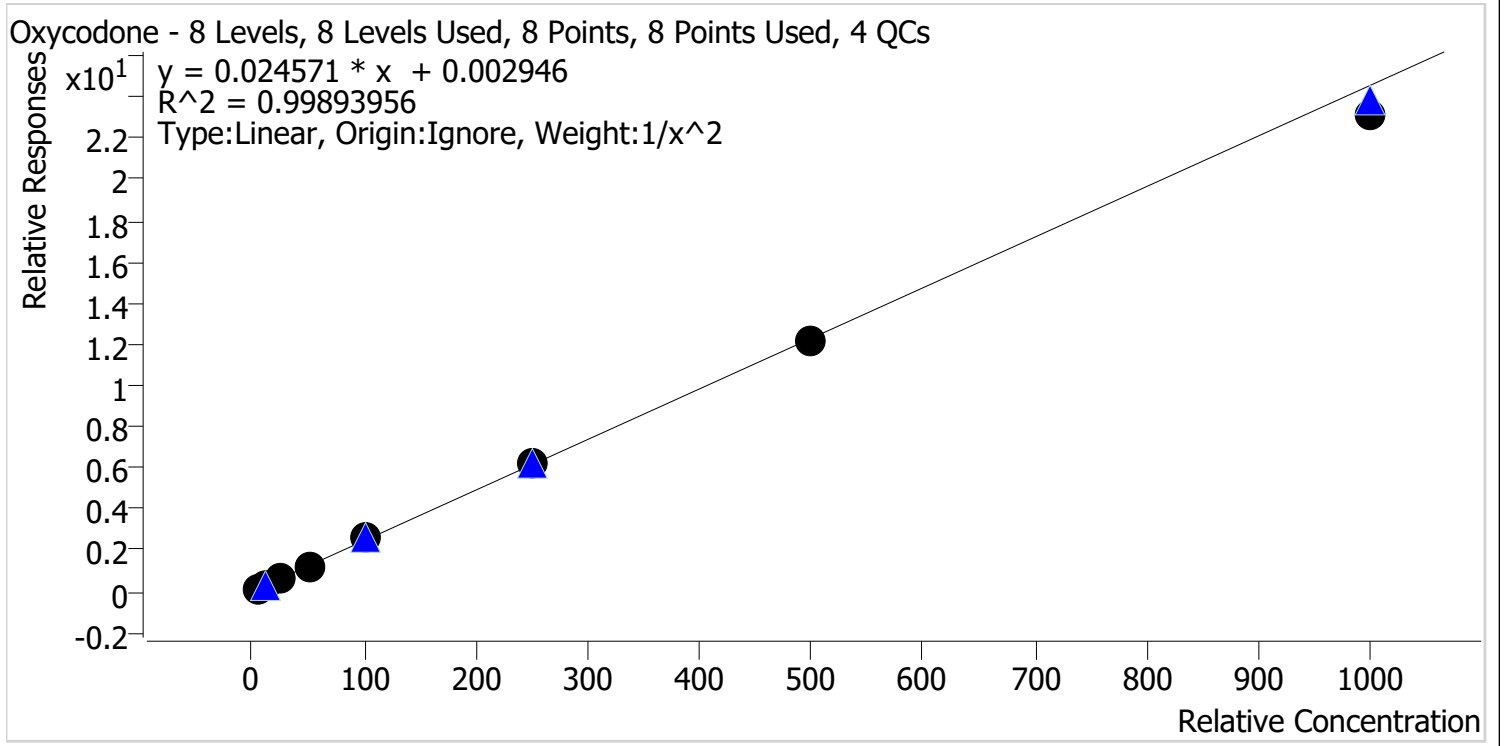


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.5	95.4
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	505.2	101.0
p1 Cal 8-1000ng	8	✓	1000.0	980.8	98.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	493.9	98.8
p1 Cal 8-1000ng	8	✓	1000.0	943.6	94.4

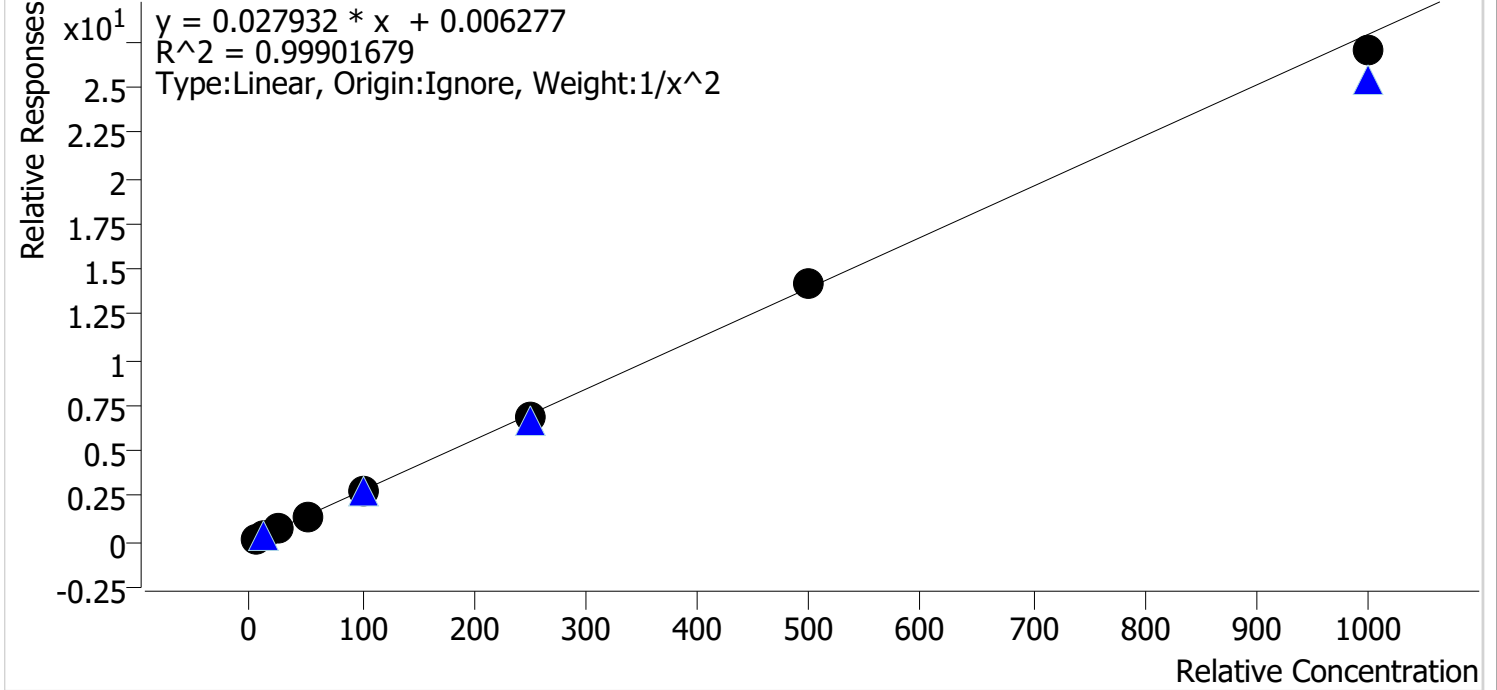
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



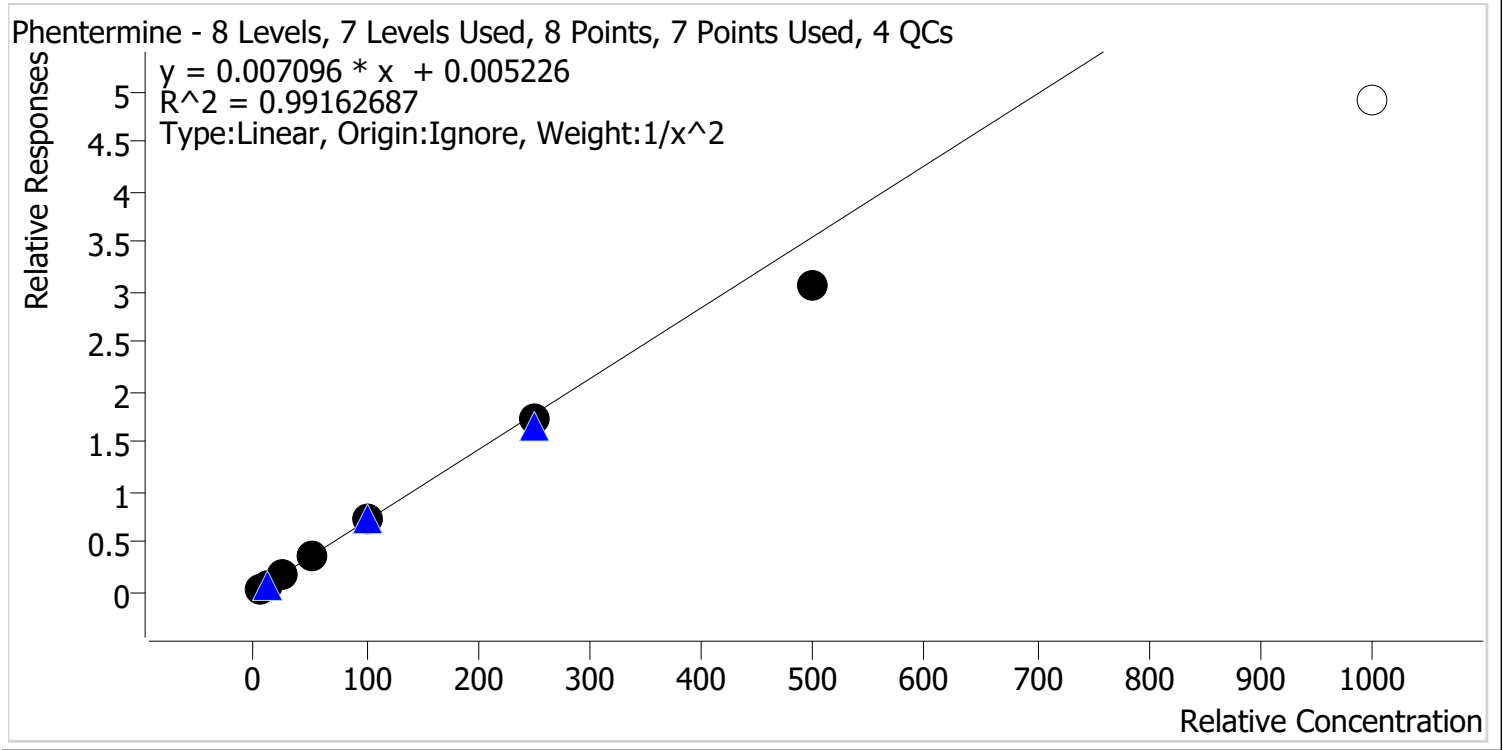
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	511.9	102.4
p1 Cal 8-1000ng	8	✓	1000.0	968.0	96.8

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



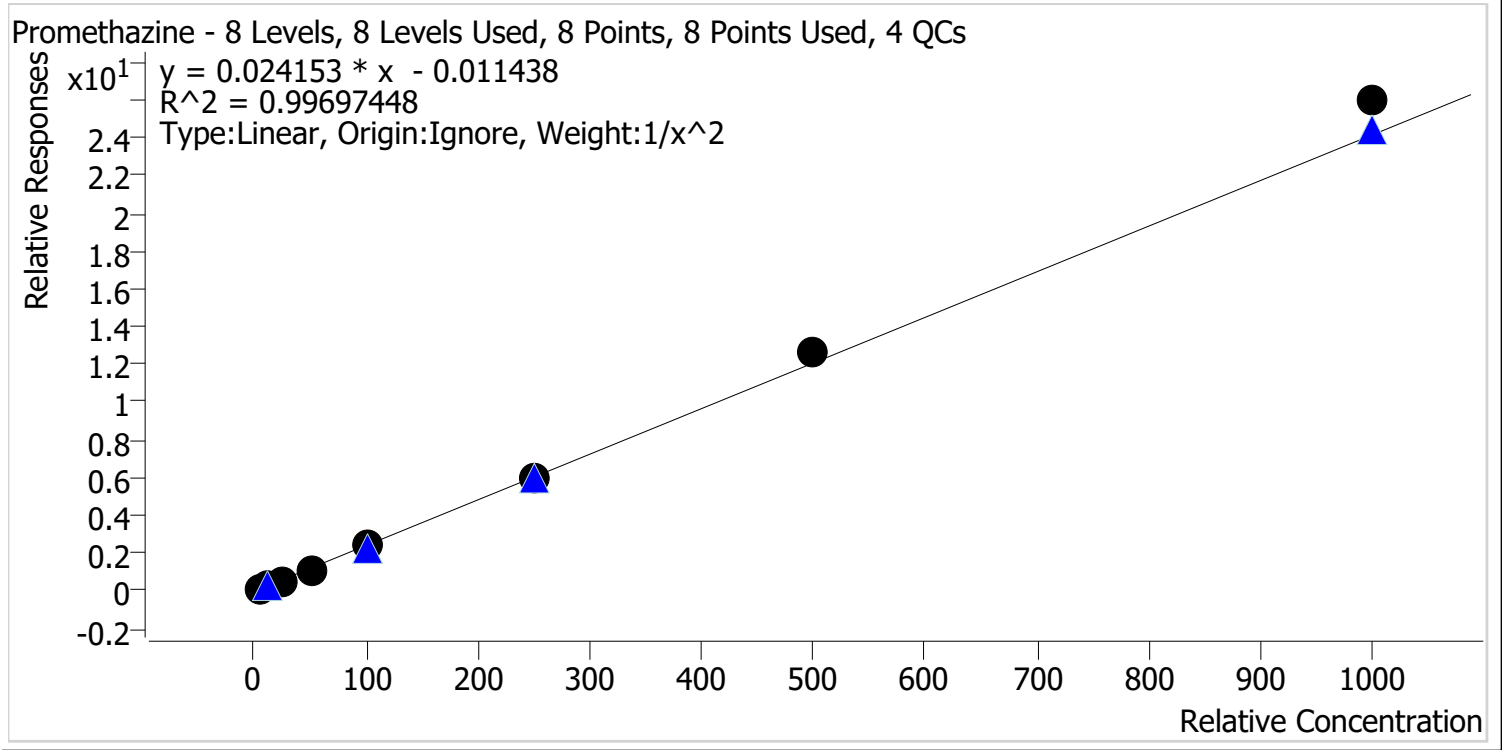
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.7
p1 Cal 4-50ng	4	✓	50.0	53.2	106.3
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	242.7	97.1
p1 Cal 7-500ng	7	✓	500.0	429.5	85.9
p1 Cal 8-1000ng	8	✗	1000.0	691.1	69.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Promethazine **Internal Standard** Promethazine-D3



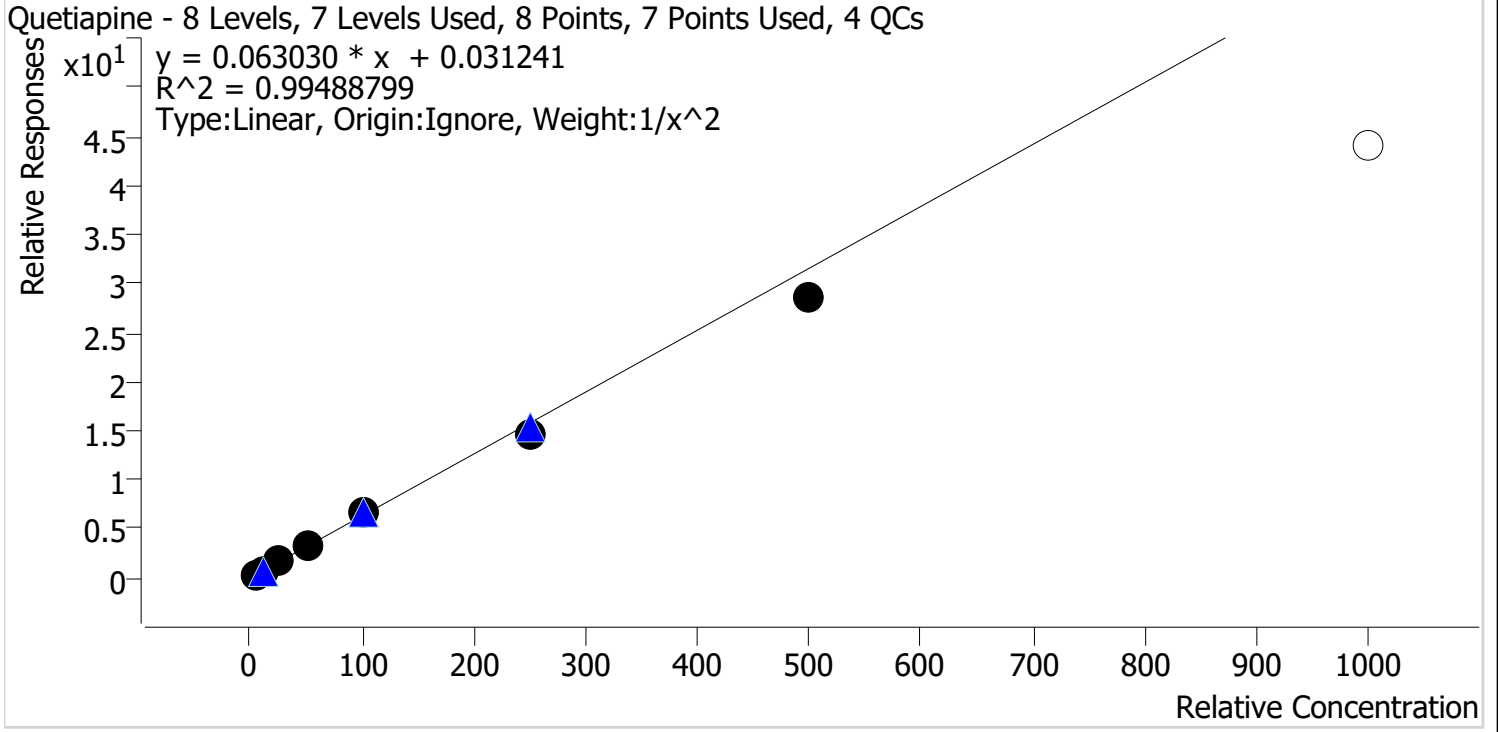
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	47.8	95.5
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	248.1	99.3
p1 Cal 7-500ng	7	✓	500.0	522.1	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1075.3	107.5



cg

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

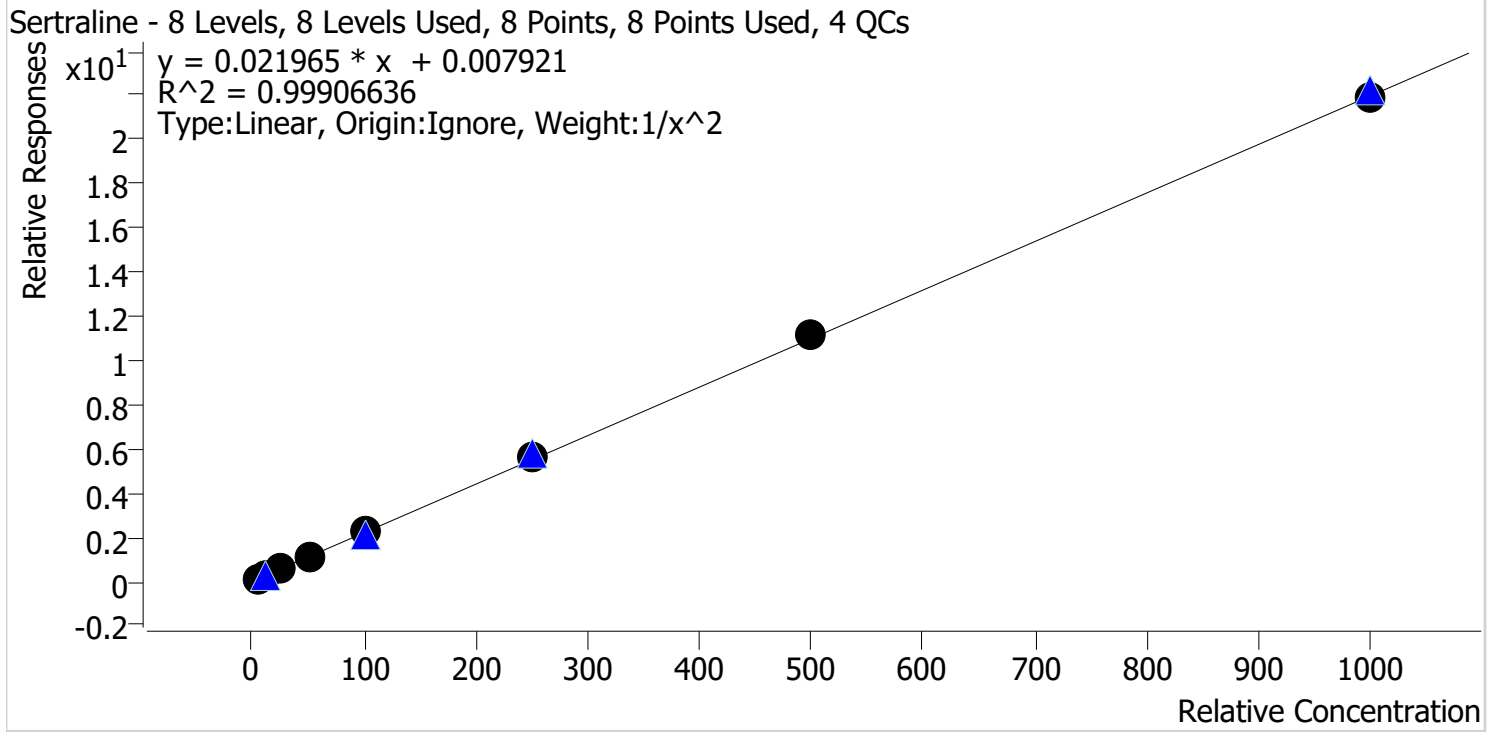


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	234.0	93.6
p1 Cal 7-500ng	7	✓	500.0	455.7	91.1
p1 Cal 8-1000ng	8	✗	1000.0	697.9	69.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



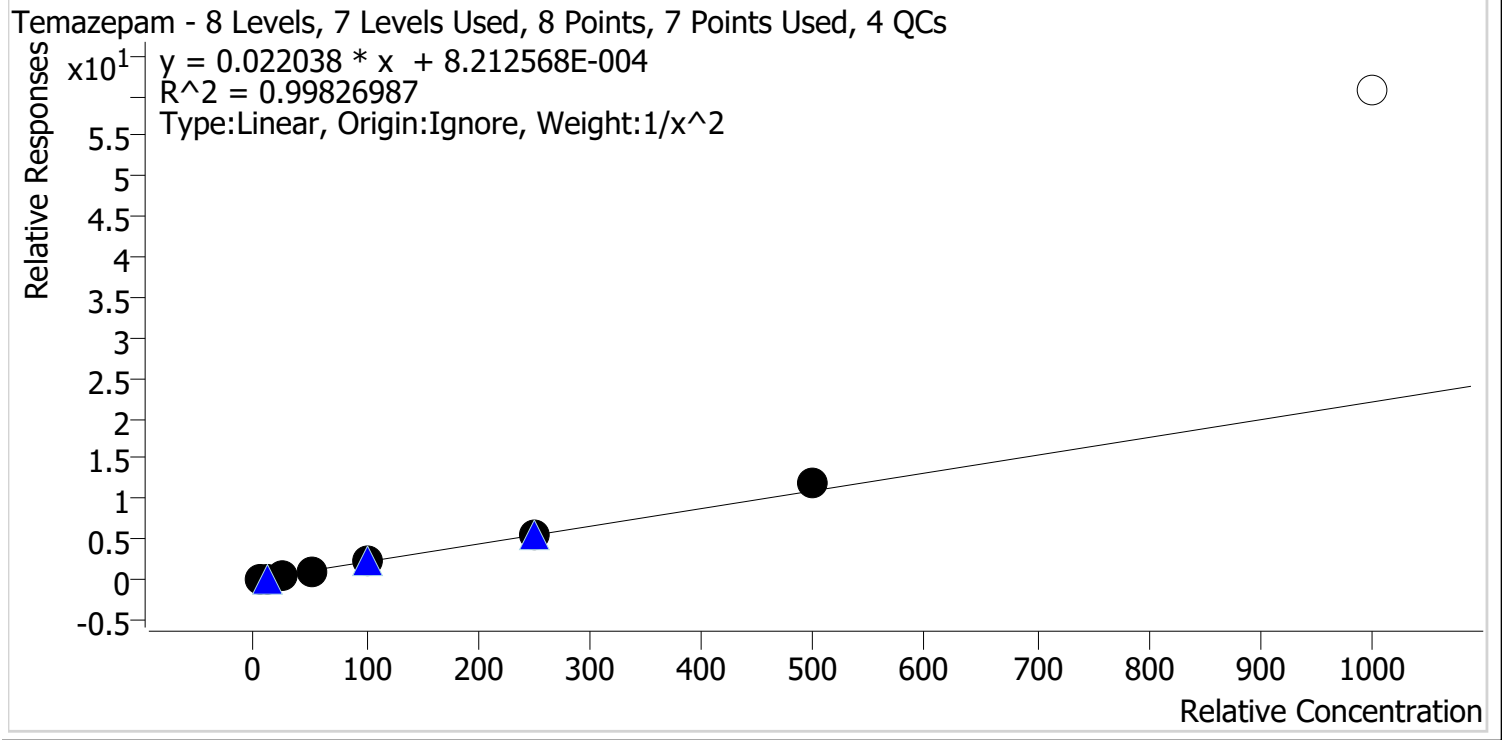
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	510.8	102.2
p1 Cal 8-1000ng	8	✓	1000.0	997.9	99.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



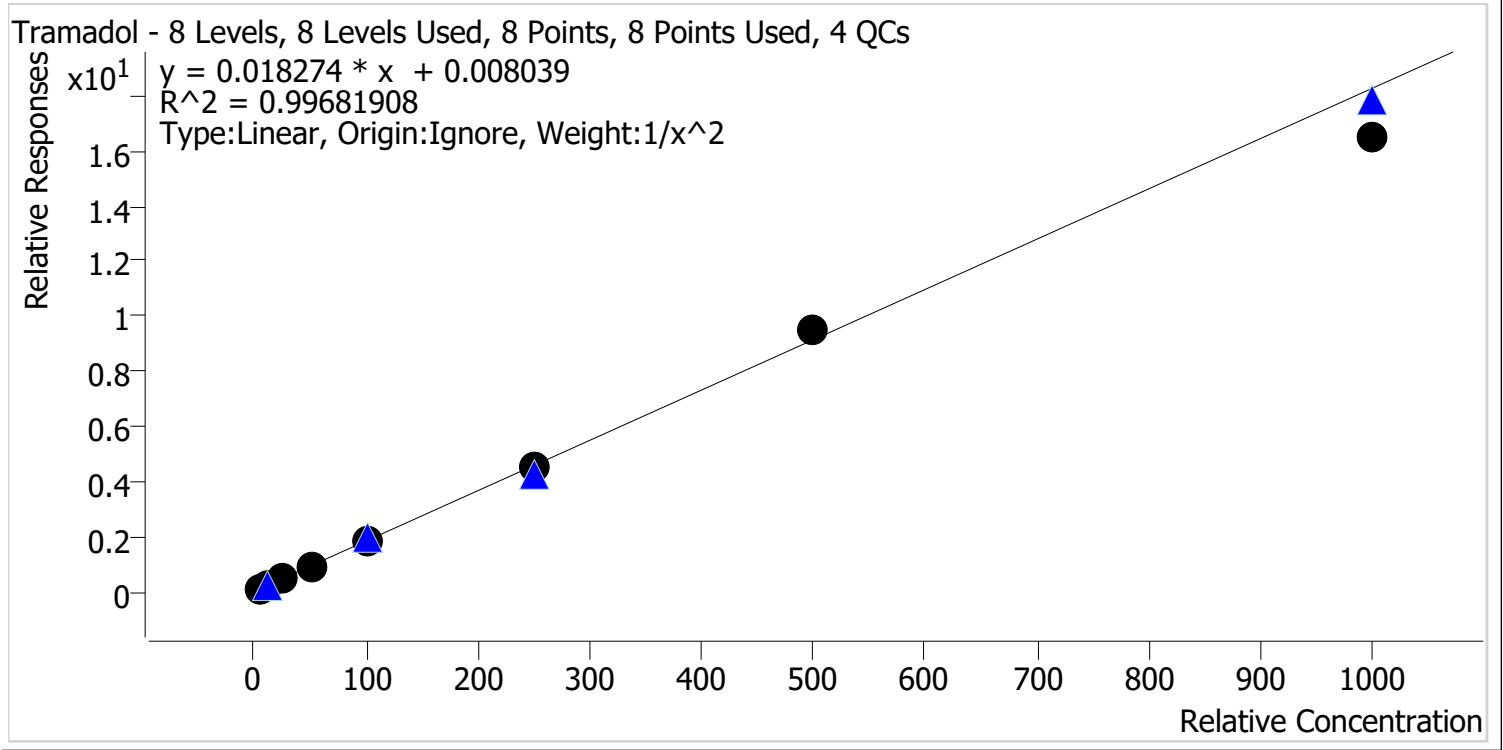
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	533.8	106.8
p1 Cal 8-1000ng	8	✗	1000.0	2752.9	275.3

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

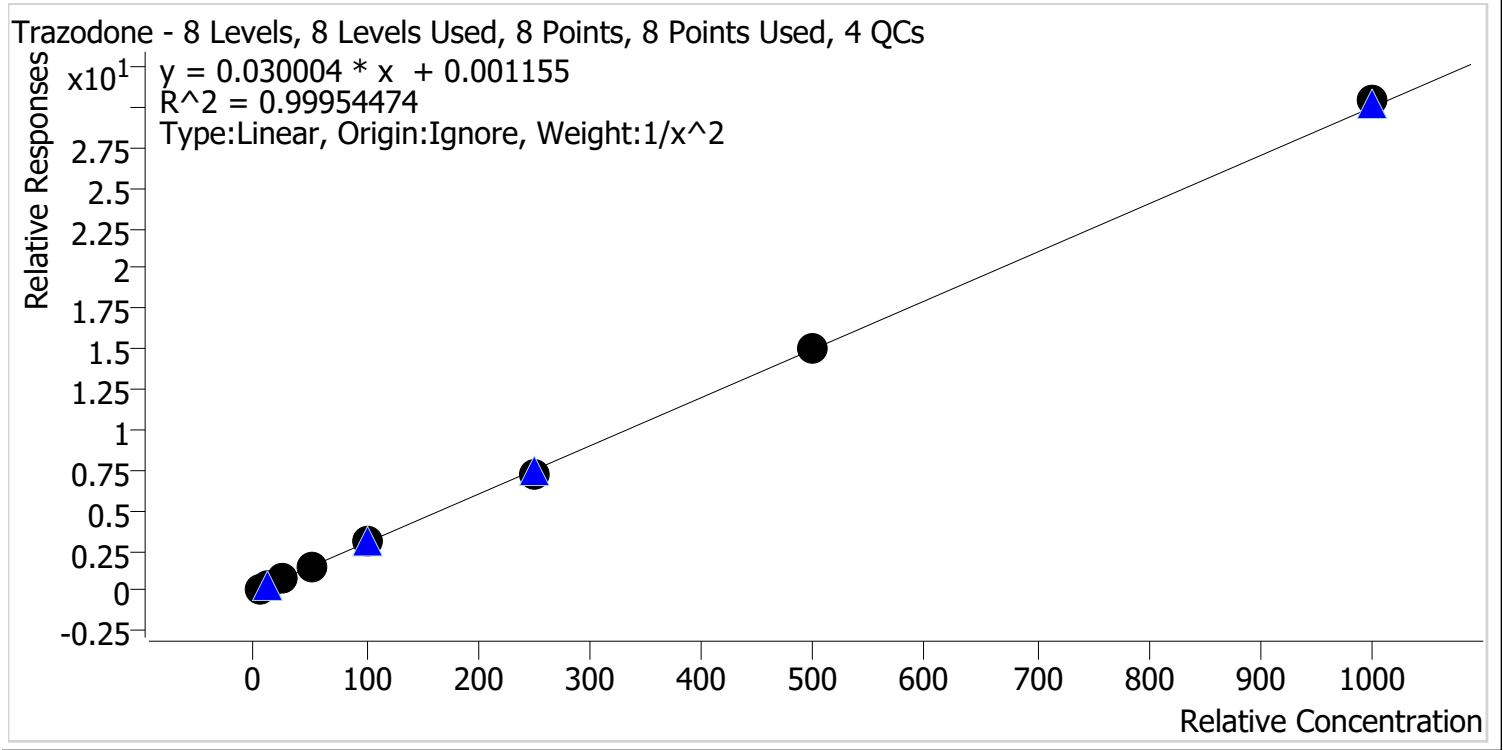


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.9
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	243.4	97.3
p1 Cal 7-500ng	7	✓	500.0	519.6	103.9
p1 Cal 8-1000ng	8	✓	1000.0	905.3	90.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

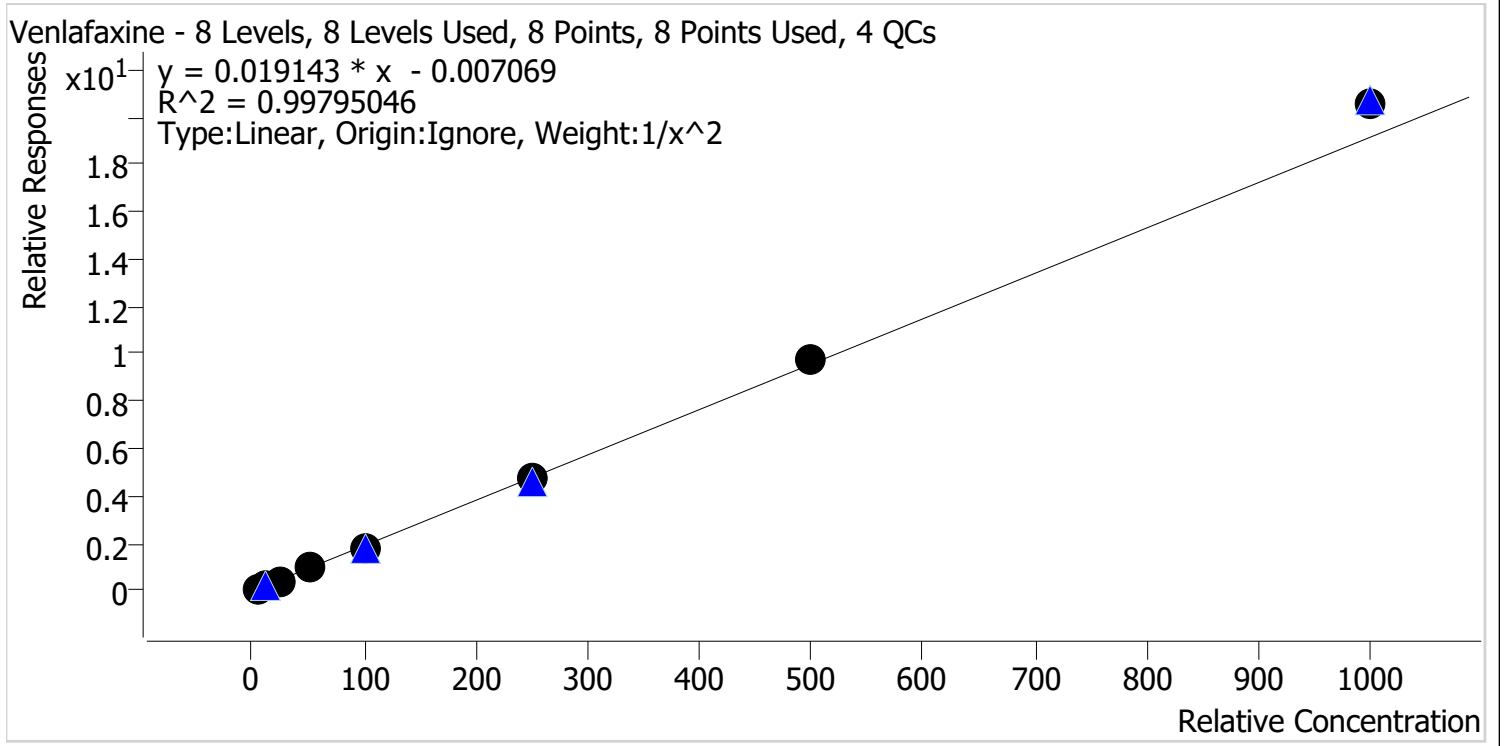


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1013.6	101.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 AM
Analyst Name ISP\Datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



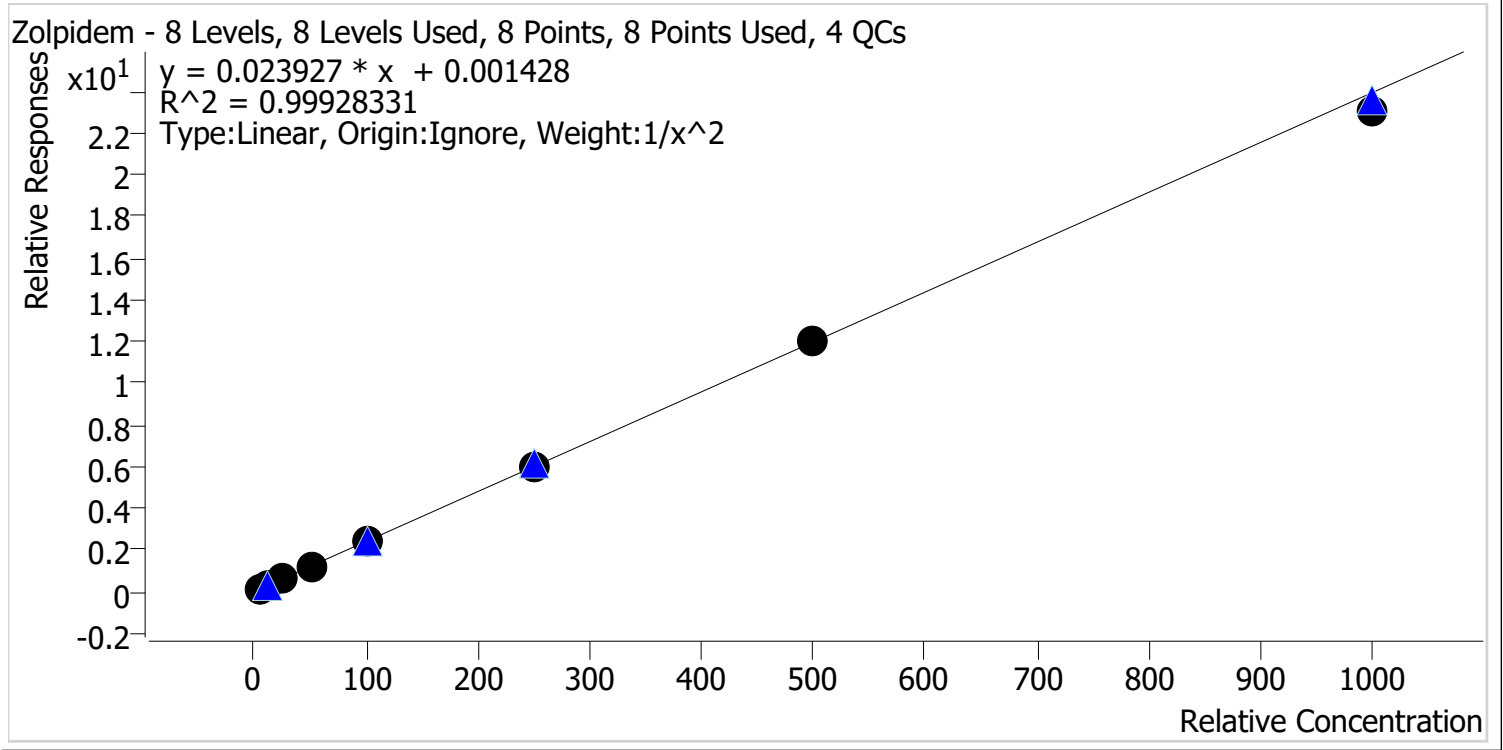
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	49.5	98.9
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	513.5	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1070.9	107.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Last Cal. Update 10/20/2023 7:40 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	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	504.1	100.8
p1 Cal 8-1000ng	8	✓	1000.0	963.3	96.3



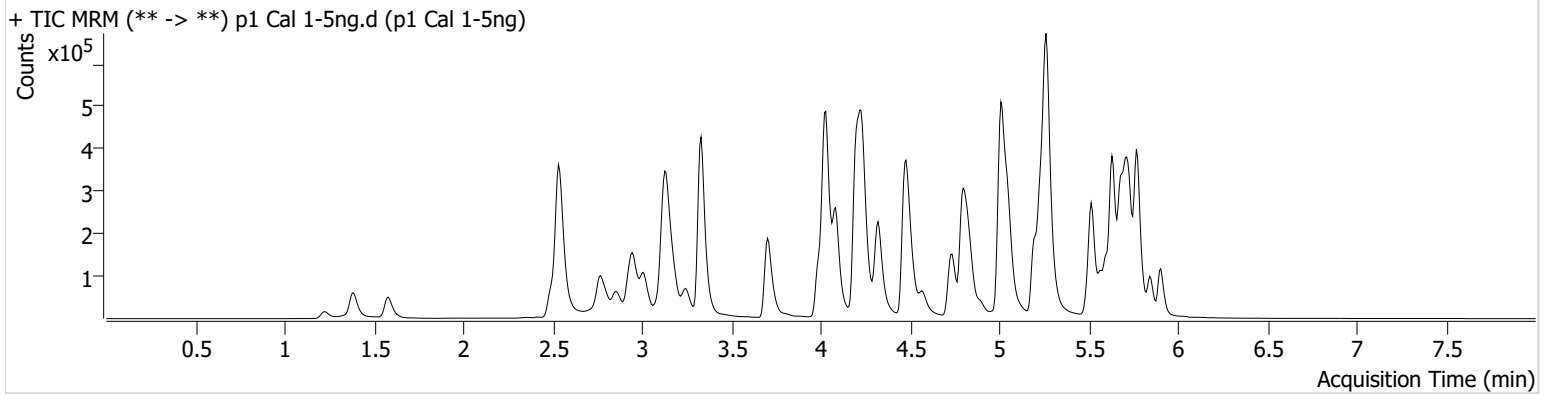
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Calibration Last Update 10/20/2023 1:22:06 PM

Instrument Falco (069901) **Data File** p1 Cal 1-5ng.d
Type Cal **Sample** p1 Cal 1-5ng
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-H12 **Comment**
Injection Volume 2
Acq. Date-Time 10/19/2023 9:26:00 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	3.099	1146	46.61	73.0	4628.04	70913	0.4938 ng/ml
7-aminoclonazepam	4.204	15447	115.58	77.2	41.59	122846	4.8905 ng/ml
a-hydroxyalprazolam	5.656	10401	94.79	62.8	435.58	87082	5.2412 ng/ml
alpha-PHP	4.895	16820	464.20	246.7	12782.42	509784	5.2190 ng/ml
alpha-PVP	4.330	61295	283.09	51.1	277.32	509784	5.0641 ng/ml
Alprazolam	5.733	32905	266.27	118.2	451.85	300475	5.1498 ng/ml
Amphetamine	3.009	101742	638.38	52.9	429.32	335263	4.8816 ng/ml
Benzoylcegonine	3.831	1775	54.92	6.5	15.21	11384	5.0464 ng/ml
Bromazolam	5.771	14027	11068.20	118.8	20734.24	130519	4.9265 ng/ml
Buprenorphine	5.742	1066	17.90	16.3	160.47	91192	0.4767 ng/ml
Bupropion	4.751	60366	7757.67	66.9	385.12	393466	5.0560 ng/ml
Carisoprodol	5.687	39467	45902.10	56.2	269.37	354813	4.8962 ng/ml
Citalopram	5.199	48285	221.46	38.2	202.01	437924	5.0805 ng/ml
Clonazepam	5.575	42631	304.43	34.0	456.72	111586	4.9692 ng/ml
Clonazolam	5.518	27704	23207.72	35.6	8499.91	111586	4.7878 ng/ml
Cocaine	4.231	44573	721.54	54.7	185.15	774107	5.1224 ng/ml
Codeine	2.539	5491	12.88	111.8	82.63	66279	4.7996 ng/ml
Cyclobenzaprine	5.605	30163	451.76	8.0	83.97	244942	5.1393 ng/ml
Dextromethorphan	5.243	31105	6026.82	79.0	322.03	269905	5.1171 ng/ml
Dextrorphan	4.091	21207	454.34	207.6	364.73	489865	5.0771 ng/ml
Diazepam	5.911	22018	138.98	90.0	171.29	199913	5.0480 ng/ml
Dihydrocodeine	2.524	16437	6574.89	60.0	388.63	176080	4.8716 ng/ml
Diphenhydramine	5.264	141472	8317.80	30.0	111.24	1379632	5.1330 ng/ml
Doxylamine	4.491	125728	2068.31	102.7	846.26	1109683	5.1045 ng/ml
Duloxetine	5.624	1941	62.32	12.4	12.49	17457	5.1668 ng/ml
EDDP	5.235	43927	990.74	42.4	33.29	476023	5.0842 ng/ml
Etizolam	5.778	13150	907.02	28.1	5898.84	111586	5.2159 ng/ml
Fentanyl	5.062	3427	36.30	90.5	208.39	380923	0.5151 ng/ml
Fluorofentanyl	5.116	7767	672.90	41.4	1688.56	2897	0.5088 ng/ml
Fluoxetine	5.685	20453	10350.00	8.7	3770.36	138257	5.1162 ng/ml
Hydrocodone	2.978	26834	70.20	32.6	81.69	265493	4.8551 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	23146	431.30	71.9	1378.55	139196	5.0771 ng/ml
Hydroxyzine	5.681	45563	728.25	74.2	889.31	269905	5.2070 ng/ml
Ketamine	4.003	40195	1719.57	38.4	41.42	345761	4.7482 ng/ml
Lamotrigine	4.233	3639	809.56	86.6	242.60	1012928	4.8572 ng/ml
Lorazepam	5.711	30747	595.25	48.3	42.94	400638	4.8223 ng/ml
MDA	3.157	69843	335.04	33.2	209.56	525017	4.8074 ng/ml
MDMA	3.258	39752	569.78	95.8	512.28	99846	5.0735 ng/ml
Meprobamate	4.855	26059	190.45	32.4	51.37	227836	4.8755 ng/ml
Methadone	5.630	94585	5689.01	42.7	283.57	688782	5.1267 ng/ml
Methamphetamine	3.184	88218	247.61	40.8	115.46	671249	4.9031 ng/ml
Metoprolol	4.293	12341	5250.69	101.6	482.65	962338	4.8922 ng/ml
Mirtazapine	4.573	85835	707.45	46.1	353.46	509784	5.2469 ng/ml
Mitragynine	5.197	15301	420.51	31.2	3978.34	688782	5.1033 ng/ml
Morphine	1.233	4139	1668.88	38.8	39.73	21365	5.0301 ng/ml
Norbuprenorphine	4.964	257	2.44	Low	138.8 High	418.93	0.2137 ng/ml
Nordiazepam	5.851	22235	1158.46	60.1	172.03	150739	5.0092 ng/ml
Norfentanyl	4.050	9917	165.76	35.0	82.89	784754	0.5170 ng/ml
Norhydrocodone	3.033	6007	53.35	43.3	95.78	89852	5.2551 ng/ml
Noroxycodone	2.876	25243	590.94	47.7	14.33	173013	4.9753 ng/ml
O-desmethyl-tramadol	3.338	93757	12947.99	5.8	433.57	1126580	5.0708 ng/ml
o-desmethylvenlafaxine	4.036	92702	5254.07	27.3	244.05	245789	5.1087 ng/ml
Olanzapine	4.326	7905	38.39	56.7	160.30	37997	5.0756 ng/ml
Oxazepam	5.713	38760	153.09	79.0	151.86	400638	5.0963 ng/ml
Oxycodone	2.794	45640	248.93	29.5	316.17	363722	4.9870 ng/ml
Oxymorphone	1.385	25958	215.85	43.0	200.35	177753	5.0035 ng/ml
Phentermine	3.740	22626	93.50	6.8	42.35	566956	4.8878 ng/ml
Promethazine	5.515	47241	369.66	29.7	236.59	415879	5.1766 ng/ml
Pseudoephedrine	2.549	98332	2791.98	17.4	920.24	1012928	5.1782 ng/ml
Quetiapine	5.510	62158	74426.51	58.8	62596.56	183924	4.8661 ng/ml
Sertraline	5.747	4994	223.36	94.9	106.61	41948	5.0596 ng/ml
Temazepam	5.774	67814	305.61	25.8	37.84	596745	5.1193 ng/ml
Tramadol	4.212	94719	∞	3.4	72.10	962338	4.9462 ng/ml
Trazodone	5.047	70723	14802.39	61.2	207.73	469808	4.9787 ng/ml
Venlafaxine	5.016	90423	2220.68	36.1	139.43	990905	5.1362 ng/ml
Xylazine	4.044	30422	7828.20	46.2	99.57	228832	4.9727 ng/ml
Zolpidem	4.817	101373	2076.38	28.9	306.67	828665	5.0530 ng/ml



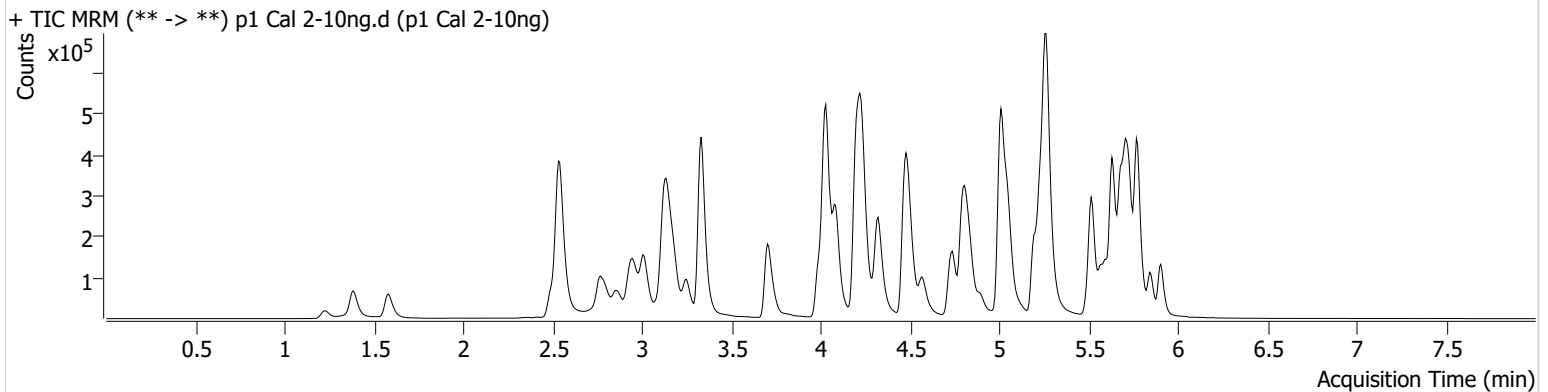
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Calibration Last Update 10/20/2023 1:22:06 PM

Instrument Falco (069901) Data File p1 Cal 2-10ng.d
Type Cal Sample p1 Cal 2-10ng
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum
Sample Position P2-G12 Comment
Injection Volume 2
Acq. Date-Time 10/19/2023 9:36:48 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	3.099	2312	30.97	66.3	1480.28	68822	1.0508 ng/ml
7-aminoclonazepam	4.204	25576	100.89	77.6	48.18	113783	9.9035 ng/ml
a-hydroxyalprazolam	5.656	17701	679.77	73.4	383.32	85102	9.1274 ng/ml
alpha-PHP	4.895	30172	950.45	257.3	1321.64	485727	9.4421 ng/ml
alpha-PVP	4.330	118673	4470.93	49.6	311.50	485727	9.8540 ng/ml
Alprazolam	5.733	60015	380.91	123.2	482.31	287555	9.4882 ng/ml
Amphetamine	3.016	195029	4566.42	53.5	721.57	326893	10.1781 ng/ml
Benzoylcegonine	3.831	3273	43.60	7.2	197.97	10920	9.8699 ng/ml
Bromazolam	5.771	26385	19710.39	120.8	50382.93	124372	10.2681 ng/ml
Buprenorphine	5.736	2398	889.08	13.2	226.12	86277	1.0893 ng/ml
Bupropion	4.745	108963	170300.10	69.0	483.65	372553	9.6903 ng/ml
Carisoprodol	5.687	79296	155179.72	53.3	166.56	340491	10.4174 ng/ml
Citalopram	5.199	88793	715.87	37.1	823.11	407702	9.8180 ng/ml
Clonazepam	5.575	79274	703.42	35.9	425.81	108511	9.9186 ng/ml
Clonazolam	5.518	54225	88497.54	34.5	15395.43	108511	10.4001 ng/ml
Cocaine	4.231	81551	97099.28	54.3	393.17	744494	9.5978 ng/ml
Codeine	2.539	10594	17122.12	111.6	181.87	63532	10.3315 ng/ml
Cyclobenzaprine	5.605	45751	32181.73	8.6	807.30	194078	9.6045 ng/ml
Dextromethorphan	5.243	53425	17744.26	83.5	597.32	249038	9.6447 ng/ml
Dextrorphan	4.091	41571	4020.73	205.5	474.52	464155	10.0288 ng/ml
Diazepam	5.905	41051	240.77	91.7	513.39	197015	9.8388 ng/ml
Dihydrocodeine	2.524	30786	292.76	58.5	2758.95	172247	10.0241 ng/ml
Diphenhydramine	5.264	257161	11140.32	29.9	215.93	1281085	9.7581 ng/ml
Doxylamine	4.491	236046	206551.78	100.7	30631.14	1055927	9.7467 ng/ml
Duloxetine	5.624	2492	900.72	17.2	344.67	12937	9.5180 ng/ml
EDDP	5.235	89034	338.86	40.7	7833.57	496111	9.7129 ng/ml
Etizolam	5.778	23551	42046.28	28.6	8935.70	108511	9.4030 ng/ml
Fentanyl	5.062	6107	156.58	76.2	5142.66	324707	0.9815 ng/ml
Fluorofentanyl	5.116	13263	654.57	35.7	437.66	2514	0.9881 ng/ml
Fluoxetine	5.685	29193	333.89	8.0	3374.40	108524	9.5378 ng/ml
Hydrocodone	2.978	50443	105.11	32.0	73.60	260101	10.0536 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	44232	1161.86	72.0	225.40	137196	9.7307 ng/ml
Hydroxyzine	5.675	79687	1484.55	74.1	530.45	249038	9.6234 ng/ml
Ketamine	4.003	75164	1685.11	37.9	119.68	323343	10.4340 ng/ml
Lamotrigine	4.233	7169	58.55	78.0	2190.37	980354	10.3699 ng/ml
Lorazepam	5.711	59093	963.85	47.0	88.76	399955	10.2095 ng/ml
MDA	3.157	132974	1843.71	33.2	423.86	501893	10.2980 ng/ml
MDMA	3.251	76413	4205.44	95.1	1182.79	97022	9.8146 ng/ml
Meprobamate	4.855	49399	232.22	31.8	592.82	211321	10.2028 ng/ml
Methadone	5.630	163393	427.44	45.2	11805.01	619197	9.6596 ng/ml
Methamphetamine	3.184	162943	592.89	40.6	541.99	651500	9.9985 ng/ml
Metoprolol	4.293	23008	16730.02	98.2	1575.47	931238	10.0350 ng/ml
Mirtazapine	4.566	158262	1725.58	43.7	683.96	485727	9.5733 ng/ml
Mitragynine	5.197	26134	25554.26	36.6	7713.36	619197	9.6752 ng/ml
Morphine	1.233	7978	280.18	36.6	1021.00	22363	9.6611 ng/ml
Norbuprenorphine	4.964	484	236.69	95.2	220.45	15840	0.9924 ng/ml
Nordiazepam	5.851	42473	94492.66	63.9	291.11	147667	9.7624 ng/ml
Norfentanyl	4.050	18604	429.48	36.9	83.69	750812	0.9717 ng/ml
Norhydrocodone	3.033	11965	121.14	38.8	38.83	86047	9.5615 ng/ml
Noroxycodone	2.876	47443	467.22	48.3	771.87	165867	9.8923 ng/ml
O-desmethyl-tramadol	3.338	180549	1630.85	6.0	241.34	1076382	9.8868 ng/ml
o-desmethylvenlafaxine	4.036	181051	8127.92	26.4	249.60	243019	9.6743 ng/ml
Olanzapine	4.326	11873	177.20	54.4	131.39	28255	9.9099 ng/ml
Oxazepam	5.713	72769	796.59	78.2	88.05	399955	9.5422 ng/ml
Oxycodone	2.794	86728	596.25	28.6	475.91	352265	9.9002 ng/ml
Oxymorphone	1.385	48926	∞	42.6	423.70	174654	9.8042 ng/ml
Phentermine	3.740	41519	148.81	6.8	49.07	548263	9.9358 ng/ml
Promethazine	5.522	73421	348.20	29.5	8477.89	332620	9.6126 ng/ml
Pseudoephedrine	2.549	187811	3426.01	17.6	407.66	980354	9.6110 ng/ml
Quetiapine	5.510	117863	275.03	57.9	19900.48	175387	10.1662 ng/ml
Sertraline	5.747	6695	668.25	95.2	145.46	29474	9.9806 ng/ml
Temazepam	5.774	125980	3178.59	28.5	161.74	590313	9.6467 ng/ml
Tramadol	4.212	175903	446.67	3.1	23.27	931238	9.8968 ng/ml
Trazodone	5.047	124903	9290.42	59.8	31419.90	407321	10.1817 ng/ml
Venlafaxine	5.009	166525	858.60	36.5	240.14	936256	9.6605 ng/ml
Xylazine	4.037	59913	4377.92	45.0	276.96	220235	10.0935 ng/ml
Zolpidem	4.817	188140	7788.63	29.8	898.80	802371	9.7400 ng/ml



AM #28 Multi-Drug Quant. Results

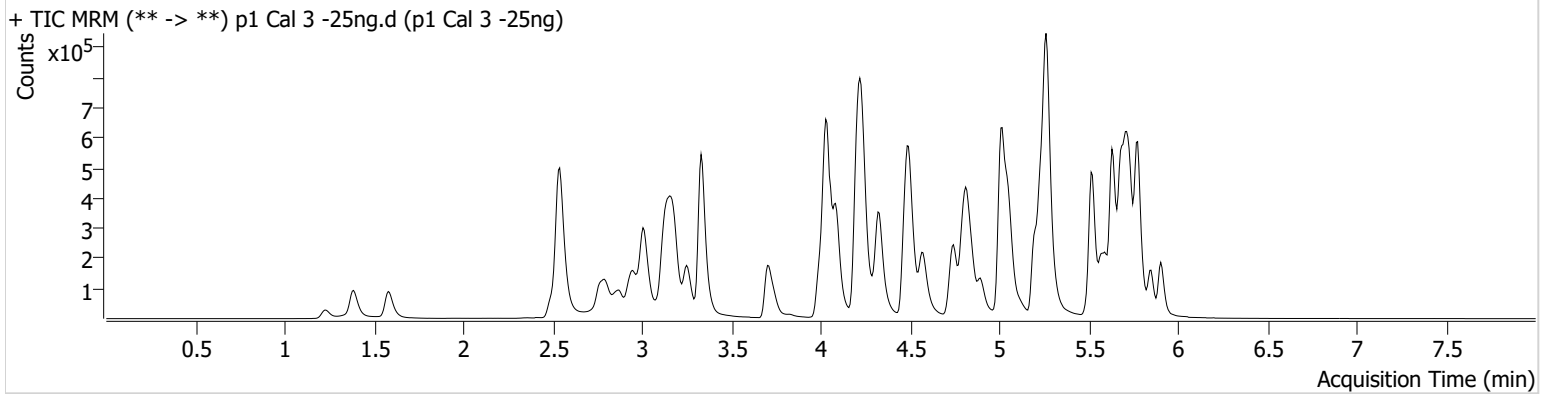
Batch results D:\MassHunter\Data\2023\AM 27 28\101823 AM 27 28 CS TS\QuantResults\AM 28.batch.bin
Calibration Last Update 10/20/2023 1:22:06 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F12
Injection Volume 2
Acq. Date-Time 10/19/2023 9:47:24 AM
Sample Info.

Data File p1 Cal 3 -25ng.d
Sample p1 Cal 3 -25ng
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	3.099	5270	915.16	72.7	80439.28	70451	2.3670 ng/ml
7-aminoclonazepam	4.211	62986	164.25	81.4	220.64	111148	27.2107 ng/ml
a-hydroxyalprazolam	5.655	43854	676.36	71.7	287.72	79537	24.1964 ng/ml
alpha-PHP	4.902	78208	1520.32	257.6	3738.02	482189	23.9551 ng/ml
alpha-PVP	4.330	301982	665.03	49.1	449.81	482189	24.5984 ng/ml
Alprazolam	5.733	157675	1679.77	116.5	1770.08	287275	24.3650 ng/ml
Amphetamine	3.009	474548	1501.44	54.2	1653.97	324645	25.8093 ng/ml
Benzoylcegonine	3.831	8159	258.10	7.9	474.05	10973	24.7520 ng/ml
Bromazolam	5.771	63285	3737.18	124.8	79742.72	127372	24.7966 ng/ml
Buprenorphine	5.742	5543	8004.29	16.9	1069.39	84635	2.5233 ng/ml
Bupropion	4.751	284411	6513.41	65.4	508.25	367636	25.7255 ng/ml
Carisoprodol	5.687	185494	57612.47	57.1	379.93	332906	25.1363 ng/ml
Citalopram	5.199	221560	1970.46	38.7	368.19	406717	24.2228 ng/ml
Clonazepam	5.575	198762	4383.24	35.0	33684.10	110073	25.1875 ng/ml
Clonazolam	5.518	135789	180385.58	33.7	14656.11	110073	26.7811 ng/ml
Cocaine	4.231	211331	7483.27	54.8	380.52	745452	24.5810 ng/ml
Codeine	2.546	26154	443.39	108.9	35690.65	63082	26.6724 ng/ml
Cyclobenzaprine	5.605	119235	366464.39	8.6	224.25	196025	24.3781 ng/ml
Dextromethorphan	5.243	136977	15027.92	80.0	46601.80	253803	24.4737 ng/ml
Dextrorphan	4.091	102279	636.74	213.5	6726.01	468408	23.8111 ng/ml
Diazepam	5.911	101400	626.71	92.6	341.75	198531	24.5866 ng/ml
Dihydrocodeine	2.524	78328	54407.20	57.7	352.69	169076	27.1957 ng/ml
Diphenhydramine	5.270	641827	10103.78	30.2	176.97	1299807	23.5611 ng/ml
Doxylamine	4.491	598987	13588.84	99.0	13041.35	1063325	24.0542 ng/ml
Duloxetine	5.624	5940	2693.67	15.1	53.30	12836	23.9601 ng/ml
EDDP	5.235	231670	6093.60	42.8	251.19	495850	24.9899 ng/ml
Etizolam	5.778	61057	12036.66	26.4	24920.97	110073	23.6560 ng/ml
Fentanyl	5.062	14911	322.14	85.0	9090.13	312010	2.3595 ng/ml
Fluorofentanyl	5.116	33317	533.49	35.7	890.89	2550	2.4267 ng/ml
Fluoxetine	5.685	69717	448.06	8.4	253.45	100076	25.1565 ng/ml
Hydrocodone	2.985	129705	77.92	32.4	132.57	256721	27.4806 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	110308	1064562.07	71.5	14917.68	133422	24.7644 ng/ml
Hydroxyzine	5.681	198772	3334.14	73.4	3965.06	253803	23.1556 ng/ml
Ketamine	4.003	187420	411.97	38.6	656.25	325560	27.2276 ng/ml
Lamotrigine	4.240	16932	917.61	87.8	11581.93	968161	25.4467 ng/ml
Lorazepam	5.711	136557	1848.07	47.9	238.01	369729	27.0222 ng/ml
MDA	3.157	329239	364.07	33.3	1031.32	500702	26.6395 ng/ml
MDMA	3.258	192657	17237.27	95.5	1611.46	96650	24.4935 ng/ml
Meprobamate	4.855	122262	951.60	29.7	456.30	202786	26.6747 ng/ml
Methadone	5.630	427840	2269.83	42.8	6307.80	630705	24.5050 ng/ml
Methamphetamine	3.184	413577	518.77	40.3	811.99	641488	26.9408 ng/ml
Metoprolol	4.293	57161	114280.12	100.4	4002.99	914477	26.3940 ng/ml
Mirtazapine	4.573	390910	531.16	45.5	2516.45	482189	22.8971 ng/ml
Mitragynine	5.197	66694	2188.72	33.3	1422.15	630705	24.2069 ng/ml
Morphine	1.233	19407	997.92	37.8	156.66	20988	25.7917 ng/ml
Norbuprenorphine	4.964	978	200.78	117.0	1185.48	15409	2.6905 ng/ml
Nordiazepam	5.851	110634	942.48	61.2	3324.64	144553	25.9685 ng/ml
Norfentanyl	4.050	44839	442.17	35.8	92.40	728841	2.3477 ng/ml
Norhydrocodone	3.033	28545	132.42	39.4	133.00	80005	22.5492 ng/ml
Noroxycodone	2.876	120578	274.75	48.3	16.76	162211	25.9384 ng/ml
O-desmethyl-tramadol	3.338	454278	2321.55	5.9	792.66	1069595	24.5306 ng/ml
o-desmethylvenlafaxine	4.036	459220	14310.39	25.1	902.72	232454	24.9471 ng/ml
Olanzapine	4.326	29043	515.43	57.0	539.88	28307	23.7146 ng/ml
Oxazepam	5.713	178044	667.73	75.1	189.16	369729	25.1769 ng/ml
Oxycodone	2.794	225313	1235.01	28.4	1235.12	357696	25.5164 ng/ml
Oxymorphone	1.385	121696	767.78	44.4	1266.00	165069	26.1694 ng/ml
Phentermine	3.740	106357	200.09	6.9	118.42	532295	27.4224 ng/ml
Promethazine	5.521	187298	1930.63	30.6	1153.10	336678	23.5063 ng/ml
Pseudoephedrine	2.549	476520	4708.92	17.4	8623.14	968161	23.7127 ng/ml
Quetiapine	5.510	286002	410.91	58.2	152217.88	166964	26.6812 ng/ml
Sertraline	5.747	15333	250.42	98.0	65.51	29270	23.4889 ng/ml
Temazepam	5.774	305884	1154.92	28.7	827.02	568379	24.3831 ng/ml
Tramadol	4.212	454083	1720.13	3.2	46.62	914477	26.7327 ng/ml
Trazodone	5.047	309714	104183.65	58.3	7131.15	424404	24.2837 ng/ml
Venlafaxine	5.016	429185	751.56	35.5	449.62	947811	24.0237 ng/ml
Xylazine	4.044	147577	5321.02	46.1	483.30	216041	25.2266 ng/ml
Zolpidem	4.817	481163	3519.79	29.2	13922.70	797941	25.1418 ng/ml



AM #28 Multi-Drug Quant. Results

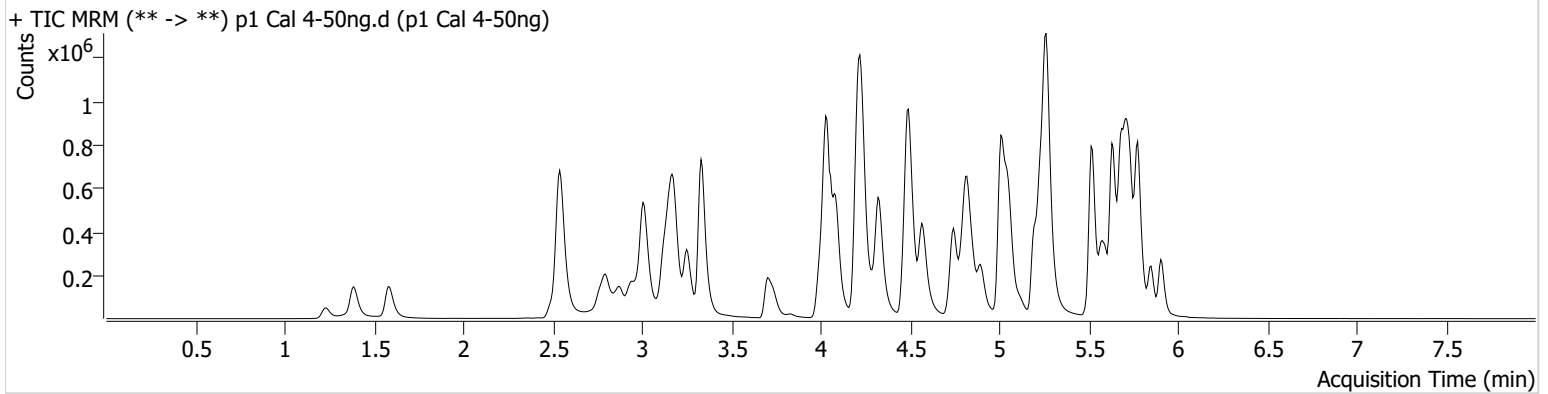
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Calibration Last Update 10/20/2023 1:22:06 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-E12
Injection Volume 2
Acq. Date-Time 10/19/2023 9:58:01 AM
Sample Info.

Data File p1 Cal 4-50ng.d
Sample p1 Cal 4-50ng
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	3.099	11062	12125.23	67.9	11339.17	71624	4.9103 ng/ml
7-aminoclonazepam	4.204	129017	922.38	80.2	158.01	117079	54.3066 ng/ml
a-hydroxyalprazolam	5.655	93051	1295.96	66.7	307.00	80293	50.8587 ng/ml
alpha-PHP	4.902	160012	2235.87	252.9	31679.11	493108	47.4919 ng/ml
alpha-PVP	4.330	624157	23807.21	49.5	509.25	493108	49.2843 ng/ml
Alprazolam	5.733	311484	1036.49	115.4	1028.02	274953	49.9063 ng/ml
Amphetamine	3.009	1011554	13858.14	48.4	675.25	328241	55.0793 ng/ml
Benzoylcegonine	3.831	17037	779.41	8.9	99.90	11749	48.4385 ng/ml
Bromazolam	5.771	123244	207338.38	121.5	126716.39	123467	50.3800 ng/ml
Buprenorphine	5.735	11323	6106.91	16.0	1080.16	87766	4.9394 ng/ml
Bupropion	4.745	583580	1124.27	66.4	5592.37	398666	48.7282 ng/ml
Carisoprodol	5.687	357859	16607.66	54.6	2237.76	325476	49.7484 ng/ml
Citalopram	5.199	451418	398.93	37.3	129567.38	403709	49.4861 ng/ml
Clonazepam	5.575	407364	54894.15	34.6	4974.52	106402	53.9142 ng/ml
Clonazolam	5.518	262331	332723.67	36.7	154988.50	106402	54.2761 ng/ml
Cocaine	4.231	428250	292.59	54.8	6782.76	741931	49.8796 ng/ml
Codeine	2.539	52868	524.42	106.2	2497.79	62705	54.9249 ng/ml
Cyclobenzaprine	5.598	223907	1020.08	7.8	234.77	184454	48.3955 ng/ml
Dextromethorphan	5.243	262739	96870.60	82.2	200.72	243979	48.9717 ng/ml
Dextrorphan	4.091	205754	43809.59	215.1	12549.44	481250	46.1968 ng/ml
Diazepam	5.911	202023	2357.19	91.1	9530.43	197443	49.5794 ng/ml
Dihydrocodeine	2.524	156728	633.81	57.8	8172.95	174652	53.3927 ng/ml
Diphenhydramine	5.264	1307083	481.35	30.2	623.15	1287870	48.1072 ng/ml
Doxylamine	4.491	1268632	6310.71	98.0	13333.40	1093412	49.1907 ng/ml
Duloxetine	5.624	10515	276.26	12.9	25.31	11191	49.4558 ng/ml
EDDP	5.235	488254	1353.91	42.9	130026.95	533642	48.7599 ng/ml
Etizolam	5.778	122789	61824.82	25.8	21446.01	106402	48.9535 ng/ml
Fentanyl	5.062	29933	78.99	77.0	270.40	310701	4.6678 ng/ml
Fluorofentanyl	5.116	67923	675.18	36.0	14677.17	2658	4.7332 ng/ml
Fluoxetine	5.685	122707	72152.62	8.1	8117.14	89517	49.7773 ng/ml
Hydrocodone	2.978	249270	∞	33.3	236.06	262872	52.2811 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	231573	6404.52	72.2	154242.35	139457	49.6172 ng/ml
Hydroxyzine	5.675	384272	3100.80	73.1	5606.00	243979	46.2895 ng/ml
Ketamine	4.003	376862	524.11	39.1	473.84	330441	54.8623 ng/ml
Lamotrigine	4.233	34542	630.10	89.6	19632.92	957077	53.0079 ng/ml
Lorazepam	5.711	255520	2073.56	47.7	489.16	351019	54.2295 ng/ml
MDA	3.157	651359	3559.66	32.0	1002.26	485387	55.1254 ng/ml
MDMA	3.251	390970	55156.02	94.0	1505.19	96477	49.5606 ng/ml
Meprobamate	4.855	236680	618.82	30.0	1484.82	207427	50.6864 ng/ml
Methadone	5.630	816451	1794.07	45.4	1916.43	618497	47.4892 ng/ml
Methamphetamine	3.184	825416	5144.70	39.5	7305.86	671667	52.0227 ng/ml
Metoprolol	4.293	118238	2978.55	96.0	2173.47	935306	54.0532 ng/ml
Mirtazapine	4.566	805071	1249.65	44.9	2067.34	493108	45.4831 ng/ml
Mitragynine	5.197	137316	173484.65	33.4	935.18	618497	50.7977 ng/ml
Morphine	1.233	41966	2081.13	37.6	450.44	22995	51.3632 ng/ml
Norbuprenorphine	4.964	1646	2487.21	103.2	5991.91	17054	4.3917 ng/ml
Nordiazepam	5.851	213741	710.94	62.3	10878.58	144219	50.2813 ng/ml
Norfentanyl	4.050	90383	1346.10	38.4	412.15	724615	4.7150 ng/ml
Norhydrocodone	3.033	54654	85.52	38.6	62.68	73679	45.5140 ng/ml
Noroxycodone	2.876	244540	945.00	47.9	1174.25	168468	50.7881 ng/ml
O-desmethyl-tramadol	3.338	920573	52230.87	6.1	2331.12	1108767	47.6402 ng/ml
o-desmethylvenlafaxine	4.036	904811	16352.93	26.5	413.16	241726	46.8859 ng/ml
Olanzapine	4.326	69876	737.60	54.8	255.36	32544	49.2634 ng/ml
Oxazepam	5.713	338619	1096.69	75.9	335.86	351019	50.3880 ng/ml
Oxycodone	2.794	453171	3237.57	29.0	508.90	361017	50.9681 ng/ml
Oxymorphone	1.385	243031	1075.95	46.4	207.25	173996	49.7812 ng/ml
Phentermine	3.740	209472	1642.04	7.1	143.00	547809	53.1520 ng/ml
Promethazine	5.521	363317	1670.69	31.2	435.86	318013	47.7742 ng/ml
Pseudoephedrine	2.549	951404	22365.95	17.3	16527.89	957077	47.2555 ng/ml
Quetiapine	5.510	574854	10380.50	57.5	370104.32	172418	52.4010 ng/ml
Sertraline	5.747	26238	727.52	95.8	94.36	23815	49.7987 ng/ml
Temazepam	5.774	586730	24584.51	27.6	834.61	537349	49.5094 ng/ml
Tramadol	4.212	878800	871.82	3.5	206.84	935306	50.9769 ng/ml
Trazodone	5.047	605813	82301.71	60.1	155504.19	403378	50.0166 ng/ml
Venlafaxine	5.016	894547	855.48	35.7	1899.00	951877	49.4613 ng/ml
Xylazine	4.037	302191	46000.56	47.6	235.10	224635	49.6039 ng/ml
Zolpidem	4.817	989917	4925.55	29.7	843.76	831987	49.6667 ng/ml

AM #28 Multi-Drug Quant. Results



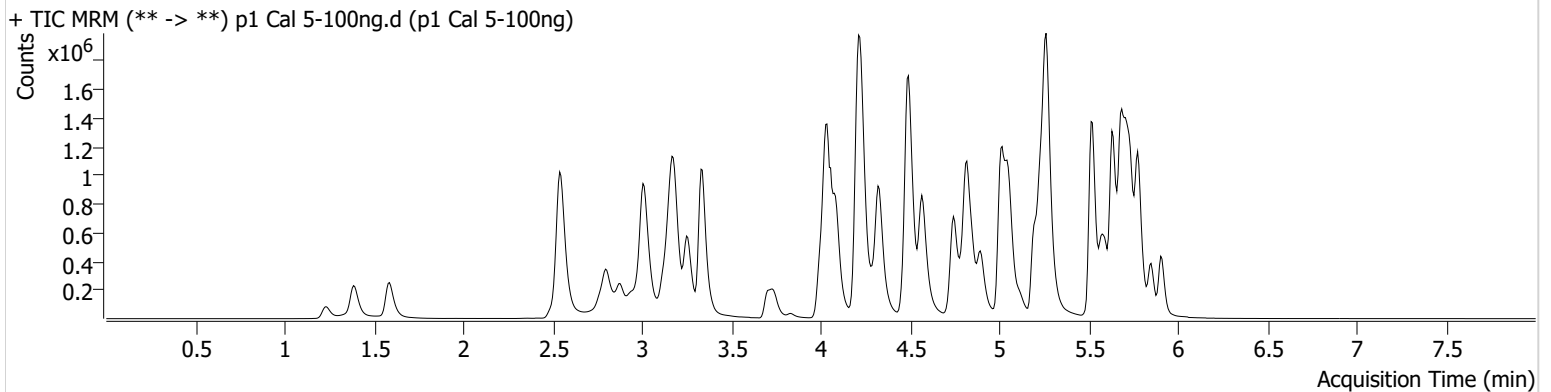
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Calibration Last Update 10/20/2023 1:22:06 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D12
Injection Volume 2
Acq. Date-Time 10/19/2023 10:08:38 AM
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	3.099	21960	42124.10	71.0	26204.94	71015	9.8541 ng/ml
7-aminoclonazepam	4.204	235083	1526.04	83.0	325.79	111623	105.1331 ng/ml
a-hydroxyalprazolam	5.656	160634	424.38	70.4	700.71	72382	97.3935 ng/ml
alpha-PHP	4.895	305825	1724.80	261.7	27199.82	474821	93.8375 ng/ml
alpha-PVP	4.330	1207680	57837.77	50.6	15282.31	474821	98.6062 ng/ml
Alprazolam	5.733	588685	4731.61	118.0	1162.21	258353	100.0159 ng/ml
Amphetamine	3.009	1861574	20858.85	51.2	3279.76	326713	102.3478 ng/ml
Benzoylcegonine	3.831	33723	324.36	8.2	235.45	10784	104.6698 ng/ml
Bromazolam	5.771	226455	10141.93	122.8	409114.48	109620	104.8612 ng/ml
Buprenorphine	5.736	22109	4960.94	14.6	2680.81	81123	10.3991 ng/ml
Bupropion	4.745	1154170	21524.47	65.9	11786.63	377042	101.9612 ng/ml
Carisoprodol	5.687	660989	455072.92	54.7	1749.40	302370	99.0605 ng/ml
Citalopram	5.199	846619	452.69	38.2	∞	377950	98.9111 ng/ml
Clonazepam	5.575	726141	11141.21	35.4	3488.62	100043	102.6214 ng/ml
Clonazolam	5.518	469928	775465.34	36.7	437762.09	100043	104.0899 ng/ml
Cocaine	4.231	808188	640.92	56.0	739.28	708940	98.3538 ng/ml
Codeine	2.546	97928	1477.34	104.3	212.95	60441	106.1599 ng/ml
Cyclobenzaprine	5.598	462107	571.21	7.5	3658.02	185646	98.9706 ng/ml
Dextromethorphan	5.243	526702	1256.50	77.7	162841.64	239605	100.1076 ng/ml
Dextrorphan	4.084	396761	1159.00	213.5	6433.31	430799	99.0021 ng/ml
Diazepam	5.911	392352	362.49	90.7	795.32	182252	104.6721 ng/ml
Dihydrocodeine	2.524	297263	22666.71	59.9	1740.27	170141	104.6756 ng/ml
Diphenhydramine	5.264	2545295	84563.80	30.4	11392.34	1205710	99.7358 ng/ml
Doxylamine	4.491	2520468	32743.92	97.7	11387.89	1053671	101.0623 ng/ml
Duloxetine	5.624	21853	471.95	15.4	3623.24	11908	97.3379 ng/ml
EDDP	5.235	895829	922.20	43.1	9648.53	478188	99.6438 ng/ml
Etizolam	5.778	227069	4829.96	25.9	15678.41	100043	96.0485 ng/ml
Fentanyl	5.062	61448	4305.53	78.2	68814.95	319166	9.2408 ng/ml
Fluorofentanyl	5.116	138745	2758.77	36.4	3483.55	2651	9.6800 ng/ml
Fluoxetine	5.685	253033	11226.61	8.3	28730.59	95013	96.9784 ng/ml
Hydrocodone	2.978	495417	∞	33.0	465.10	258255	106.5860 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	455981	3439018.95	70.4	1180843.51	134498	101.1762 ng/ml
Hydroxyzine	5.675	775779	1033.17	74.9	20623.63	239605	94.8658 ng/ml
Ketamine	4.003	716336	18826.96	39.3	545.03	331984	104.6355 ng/ml
Lamotrigine	4.240	63249	2157.60	88.7	1273.84	894677	104.2776 ng/ml
Lorazepam	5.711	410130	1885.17	46.9	871.14	289663	106.4250 ng/ml
MDA	3.157	1188517	5727.93	32.2	3470.13	462868	106.1458 ng/ml
MDMA	3.258	754652	19930.29	96.6	16042.96	93592	98.3861 ng/ml
Meprobamate	4.855	430697	1104.20	30.9	3476.64	189622	101.1227 ng/ml
Methadone	5.630	1637028	123439.59	42.7	1897.06	586937	100.1068 ng/ml
Methamphetamine	3.184	1586963	3050.25	40.7	840.13	659209	102.6192 ng/ml
Metoprolol	4.293	226805	140732.75	96.3	3950.92	920710	105.9534 ng/ml
Mirtazapine	4.566	1599299	6038.00	44.8	3689.79	474821	93.1742 ng/ml
Mitragynine	5.197	256519	257551.01	33.8	367.02	586937	99.9756 ng/ml
Morphine	1.233	81037	4948.46	38.9	350.10	22164	103.3750 ng/ml
Norbuprenorphine	4.964	3231	1217.84	111.7	47.46	15850	9.9193 ng/ml
Nordiazepam	5.851	406604	1125.27	61.5	823.28	132597	104.0291 ng/ml
Norfentanyl	4.050	160554	13429.20	37.9	313.46	639947	9.4395 ng/ml
Norhydrocodone	3.033	98682	157.24	39.0	57.09	62355	95.6677 ng/ml
Noroxycodone	2.876	467473	582.36	47.4	1030.49	158342	103.4467 ng/ml
O-desmethyl-tramadol	3.338	1834753	8063.04	6.0	14323.19	1058926	99.0615 ng/ml
o-desmethylvenlafaxine	4.036	1728541	61142.71	26.0	2706.43	213420	100.9525 ng/ml
Olanzapine	4.326	172908	1057.64	56.0	2684.41	39503	100.0783 ng/ml
Oxazepam	5.713	573562	27233.97	74.7	289.26	289663	103.3764 ng/ml
Oxycodone	2.794	895733	3130.50	29.0	2192.41	351246	103.6692 ng/ml
Oxymorphone	1.385	466128	∞	44.3	∞	164301	101.3445 ng/ml
Phentermine	3.740	403852	462.94	6.9	390.82	543828	103.9186 ng/ml
Promethazine	5.522	767120	656.91	30.3	642.78	320541	99.5581 ng/ml
Pseudoephedrine	2.549	1848150	44049.51	17.6	49273.12	894677	97.5255 ng/ml
Quetiapine	5.510	1106921	2134.71	58.5	1419473.05	166860	104.7533 ng/ml
Sertraline	5.753	58645	134.39	92.9	171250.55	26055	102.1149 ng/ml
Temazepam	5.781	1003690	25820.04	27.3	797.56	463392	98.2469 ng/ml
Tramadol	4.212	1714144	∞	3.7	455.81	920710	101.4412 ng/ml
Trazodone	5.047	1198966	83210.79	62.3	41635.17	389721	102.4973 ng/ml
Venlafaxine	5.016	1700354	20652.09	35.8	1398.51	928012	96.0830 ng/ml
Xylazine	4.037	578963	17365.68	49.1	1882.53	214514	99.4403 ng/ml
Zolpidem	4.817	2002629	144029.64	28.3	302099.84	805774	103.8108 ng/ml



AM #28 Multi-Drug Quant. Results

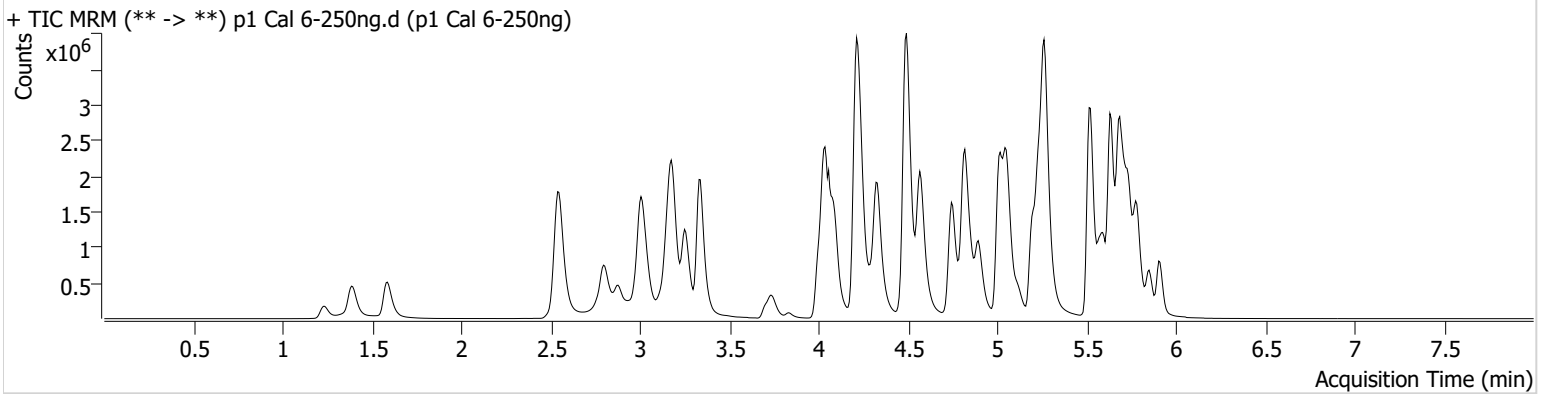
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Calibration Last Update 10/20/2023 1:22:06 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C12
Injection Volume 2
Acq. Date-Time 10/19/2023 10:19:16 AM
Sample Info.

Data File p1 Cal 6-250ng.d
Sample p1 Cal 6-250ng
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	3.099	54223	388.30	72.2	20356.16	70951	24.3867 ng/ml
7-aminoclonazepam	4.204	504441	4070.48	80.8	3774.78	103592	245.0179 ng/ml
a-hydroxyalprazolam	5.655	302631	394.15	67.7	1129.52	50159	264.7829 ng/ml
alpha-PHP	4.895	742883	3728.23	263.3	7639.27	444104	243.0143 ng/ml
alpha-PVP	4.330	2797202	45905.35	51.3	17267.88	444104	243.5625 ng/ml
Alprazolam	5.733	1247404	∞	112.6	1498.20	211729	258.0281 ng/ml
Amphetamine	3.009	3620046	1241.56	51.8	32083.63	307494	212.1081 ng/ml
Benzoylcegonine	3.831	86381	508.27	7.5	20019.94	11489	251.9139 ng/ml
Bromazolam	5.771	421219	1804.01	128.3	628361.30	86408	248.2015 ng/ml
Buprenorphine	5.735	52354	4089.16	15.2	11837.09	80421	24.7958 ng/ml
Bupropion	4.745	2844757	63669.03	66.7	1938.41	375094	252.6999 ng/ml
Carisoprodol	5.687	1113371	2513621.21	55.3	22406.17	202955	248.8202 ng/ml
Citalopram	5.199	2081577	3376.58	38.3	1282.41	353597	259.5786 ng/ml
Clonazepam	5.575	1432690	18275.61	35.8	26494.37	80115	253.5053 ng/ml
Clonazolam	5.518	859505	172482.54	38.5	18269.64	80115	238.7053 ng/ml
Cocaine	4.231	1860462	38298.98	55.1	38377.30	650021	246.6884 ng/ml
Codeine	2.539	196548	536.70	106.0	412.15	54979	235.0351 ng/ml
Cyclobenzaprine	5.598	1302294	2607.85	7.3	290.51	206201	250.7191 ng/ml
Dextromethorphan	5.243	1221740	495.38	77.5	323.29	220152	252.9403 ng/ml
Dextrorphan	4.091	914709	2141.88	212.3	127477.49	389152	251.9812 ng/ml
Diazepam	5.911	855505	6070.35	92.0	857.07	163444	254.9600 ng/ml
Dihydrocodeine	2.518	679005	∞	59.5	48133.88	170451	239.6395 ng/ml
Diphenhydramine	5.270	6116383	79416.97	30.0	855.47	1130300	255.1827 ng/ml
Doxylamine	4.491	6393076	271973.04	98.5	131542.54	1081130	249.3391 ng/ml
Duloxetine	5.624	58118	19528.41	14.9	5059.86	11705	264.6917 ng/ml
EDDP	5.235	2277808	42944.08	42.4	1158.95	483235	250.4351 ng/ml
Etizolam	5.778	482679	6460.11	26.7	116085.08	80115	254.5546 ng/ml
Fentanyl	5.062	167935	310.11	80.0	135248.95	325777	24.5956 ng/ml
Fluorofentanyl	5.116	399030	16704.01	37.7	10344.78	2873	25.6688 ng/ml
Fluoxetine	5.685	635508	13400.15	8.3	27577.98	92082	251.7753 ng/ml
Hydrocodone	2.978	1113544	∞	33.8	∞	251010	247.5415 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	1064532	1029.01	71.9	68632.35	127649	248.7030 ng/ml
Hydroxyzine	5.681	1922575	93594.00	79.1	938.99	220152	255.4090 ng/ml
Ketamine	4.003	1649599	1661.18	38.2	1037.63	316191	254.3250 ng/ml
Lamotrigine	4.240	126899	16314.23	90.1	2583.78	779521	240.7293 ng/ml
Lorazepam	5.704	547535	1786.79	48.6	909.14	179130	230.9110 ng/ml
MDA	3.157	2197144	5711.82	32.3	2758.54	388257	234.8129 ng/ml
MDMA	3.251	1783959	7310.79	94.0	6124.75	86735	250.6158 ng/ml
Meprobamate	4.855	881152	576.96	29.3	7907.18	157380	249.6022 ng/ml
Methadone	5.630	4212118	96045.56	42.7	16028.83	599337	251.9321 ng/ml
Methamphetamine	3.184	3792991	1872.87	39.2	5809.77	660550	245.7961 ng/ml
Metoprolol	4.293	482272	35240.36	99.8	4466.28	890571	233.7092 ng/ml
Mirtazapine	4.566	3975185	14635.15	44.8	2329.12	444104	246.5824 ng/ml
Mitragynine	5.197	658613	573804.44	34.3	262274.46	599337	251.3422 ng/ml
Morphine	1.233	189344	1146.50	36.9	∞	20736	258.8866 ng/ml
Norbuprenorphine	4.964	8685	14072.46	103.0	16627.13	16653	26.2855 ng/ml
Nordiazepam	5.851	832138	19830.58	61.2	699.24	112222	251.5500 ng/ml
Norfentanyl	4.050	325785	29789.29	37.7	474.00	497343	24.5757 ng/ml
Norhydrocodone	3.033	212597	2252.79	39.0	186.66	49623	256.8167 ng/ml
Noroxycodone	2.876	973232	2260.57	49.7	1107.66	136296	250.4056 ng/ml
O-desmethyl-tramadol	3.338	4437977	101992.29	5.9	695.92	1014173	249.6867 ng/ml
o-desmethylvenlafaxine	4.056	3722218	43541.72	26.2	7135.74	183872	251.6830 ng/ml
Olanzapine	4.326	560633	5268.69	55.9	2932.25	49218	259.9053 ng/ml
Oxazepam	5.713	846585	6120.53	75.8	2433.85	179130	246.6716 ng/ml
Oxycodone	2.794	2222748	3668.55	28.7	3444.95	360109	251.0923 ng/ml
Oxymorphone	1.385	1122262	499.91	45.6	∞	165318	242.8124 ng/ml
Phentermine	3.740	882940	757.20	6.7	1460.67	511127	242.7086 ng/ml
Promethazine	5.521	2116037	1495.29	30.8	35007.72	353738	248.1397 ng/ml
Pseudoephedrine	2.549	4138047	2394.10	17.2	739.13	779521	249.6394 ng/ml
Quetiapine	5.510	2579538	1776.42	60.2	82971.26	174544	233.9756 ng/ml
Sertraline	5.747	131417	2434.95	97.5	2029.74	23573	253.4535 ng/ml
Temazepam	5.781	1687332	27626.81	27.2	3878.44	307511	248.9473 ng/ml
Tramadol	4.212	3967658	∞	3.7	167.98	890571	243.3606 ng/ml
Trazodone	5.047	3028531	49481.42	67.2	5912.40	412018	244.9458 ng/ml
Venlafaxine	5.016	4207108	4497.23	35.1	1371.62	882320	249.4534 ng/ml
Xylazine	4.037	1335914	172746.67	49.3	3970.80	197293	249.3604 ng/ml
Zolpidem	4.817	4967703	15957.33	28.2	7821.40	824701	251.6870 ng/ml



AM #28 Multi-Drug Quant. Results

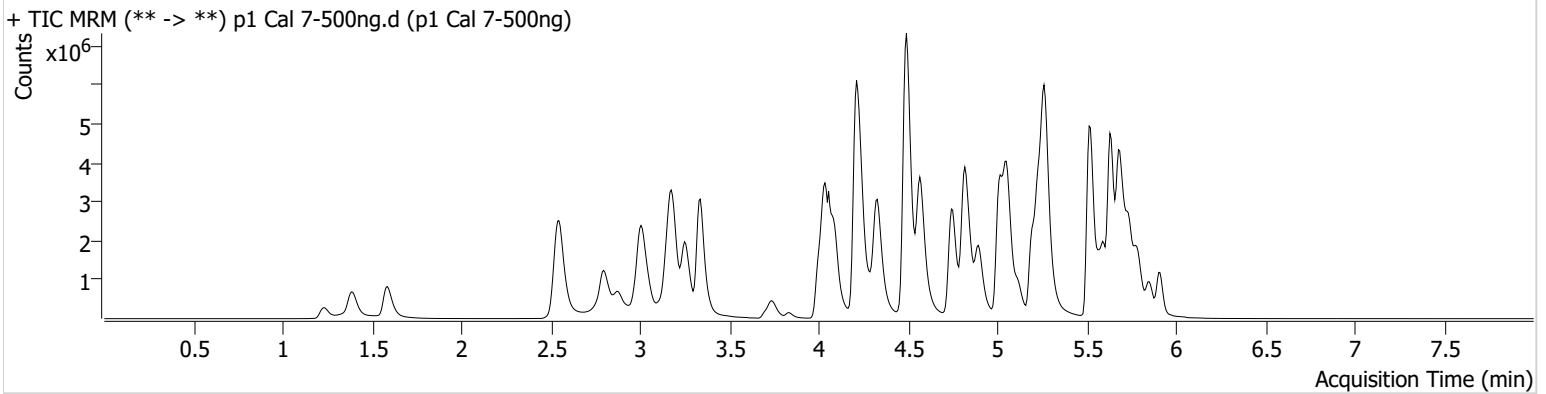
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Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B12
Injection Volume 2
Acq. Date-Time 10/19/2023 10:29:53 AM
Sample Info.

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	3.099	103367	693.74	69.1	62720.01	63294	52.1382 ng/ml
7-aminoclonazepam	4.204	704122	6546.51	78.6	2572.20	86038	412.7913 ng/ml
a-hydroxyalprazolam	5.655	383412	918.61	67.8	1552.57	32938	510.8475 ng/ml
alpha-PHP	4.902	1346475	7986.78	264.2	70176.86	379478	514.9887 ng/ml
alpha-PVP	4.330	4894959	1120.12	51.2	946.76	379478	498.3658 ng/ml
Alprazolam	5.733	1844133	3800.88	112.1	1924.96	156176	516.7898 ng/ml
Amphetamine	3.009	5295820	87345.18	50.9	49626.71	285432	334.6264 ng/ml
Benzoylcegonine	3.831	171313	539.55	8.3	4152.45	11746	488.8424 ng/ml
Bromazolam	5.771	591610	487579.54	122.2	628680.30	58771	513.1293 ng/ml
Buprenorphine	5.735	95850	6781.78	14.3	10312.32	74357	49.0671 ng/ml
Bupropion	4.745	5233413	170115.64	66.0	1188.17	355160	491.0311 ng/ml
Carisoprodol	5.687	1263842	51264.76	59.1	22740.27	117086	489.7368 ng/ml
Citalopram	5.199	3335180	2867.51	39.9	389239.82	297403	494.2895 ng/ml
Clonazepam	5.575	1979028	85446.99	35.4	34794.22	57616	487.3413 ng/ml
Clonazolam	5.525	1098956	1405.78	38.5	559950.28	57616	424.9766 ng/ml
Cocaine	4.231	3102589	1574.16	55.6	29615.45	535211	499.4705 ng/ml
Codeine	2.539	285231	4616.23	108.3	274.39	44714	419.9022 ng/ml
Cyclobenzaprine	5.598	2516757	40923.16	7.7	8911.73	192617	518.4253 ng/ml
Dextromethorphan	5.243	1990815	66935.31	77.7	14265.75	177301	511.9195 ng/ml
Dextrorphan	4.091	1526640	3611.76	218.4	9120.57	322862	506.4528 ng/ml
Diazepam	5.911	1374802	1377.70	90.7	3450.11	132865	504.3339 ng/ml
Dihydrocodeine	2.518	1106585	2300.95	60.2	2344.69	154619	431.1404 ng/ml
Diphenhydramine	5.270	10284779	135099.13	30.2	716.97	945438	512.6878 ng/ml
Doxylamine	4.491	11918881	136881.08	99.8	3144.59	962266	521.9093 ng/ml
Duloxetine	5.624	102973	3043.39	15.8	1816.99	10723	512.6596 ng/ml
EDDP	5.235	4350624	971.89	43.0	43833.46	459355	503.0122 ng/ml
Etizolam	5.778	758933	10179.86	26.2	6543.57	57616	556.2549 ng/ml
Fentanyl	5.062	341116	785.17	80.4	242550.62	317732	51.1297 ng/ml
Fluorofentanyl	5.116	904657	15541.78	37.4	5152.44	3226	51.8034 ng/ml
Fluoxetine	5.691	1172846	140610.74	8.0	47395.12	82195	520.8576 ng/ml
Hydrocodone	2.978	1887236	1658.34	34.4	896.99	225757	467.1716 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	1873902	3688704.82	71.1	3469352.71	109627	509.6359 ng/ml
Hydroxyzine	5.674	3560582	119969.60	78.9	127148.70	177301	586.9763 ng/ml
Ketamine	4.003	2715358	1211.60	36.9	1491.98	283666	467.4226 ng/ml
Lamotrigine	4.240	188351	15742.61	86.4	11444.73	614150	453.9269 ng/ml
Lorazepam	5.711	513605	1265.31	49.5	2213.40	87506	444.3165 ng/ml
MDA	3.150	3037383	11599.49	32.2	2997.58	300514	419.9627 ng/ml
MDMA	3.258	2985769	5146.12	95.3	6550.61	72321	502.8204 ng/ml
Meprobamate	4.862	1269953	215977.87	28.4	∞	116041	488.1089 ng/ml
Methadone	5.630	7711886	104599.13	41.2	72964.33	542049	509.7931 ng/ml
Methamphetamine	3.184	6550469	1744.03	38.3	25516.19	629482	446.0394 ng/ml
Metoprolol	4.293	745693	392701.80	98.9	23418.72	726721	443.4263 ng/ml
Mirtazapine	4.566	7246404	14828.03	43.5	26889.92	379478	525.3455 ng/ml
Mitragynine	5.197	1214835	175071.32	35.2	8152.19	542049	512.5830 ng/ml
Morphine	1.233	326665	585.26	36.2	922.66	18682	496.1689 ng/ml
Norbuprenorphine	4.964	16355	8760.77	106.0	28554.03	16460	50.6033 ng/ml
Nordiazepam	5.851	1244118	432.22	60.7	10068.39	85508	493.5800 ng/ml
Norfentanyl	4.058	474248	20139.17	37.1	2450.69	335207	53.0284 ng/ml
Norhydrocodone	3.033	352873	477.48	40.9	248.33	41194	512.2227 ng/ml
Noroxycodone	2.876	1531721	20083.57	48.2	920.74	110871	484.6135 ng/ml
O-desmethyl-tramadol	3.338	8004909	250341.19	6.0	2589.43	895053	509.9624 ng/ml
o-desmethylvenlafaxine	4.056	5839083	124856.73	25.0	6846.74	136984	529.4874 ng/ml
Olanzapine	4.326	1078804	5468.42	57.7	2598.93	47136	521.8863 ng/ml
Oxazepam	5.713	847120	13359.74	75.8	8240.25	87506	505.2191 ng/ml
Oxycodone	2.794	4029392	3826.24	27.8	3404.76	331934	493.9313 ng/ml
Oxymorphone	1.385	1930618	∞	43.7	∞	134964	511.9006 ng/ml
Phentermine	3.740	1431992	∞	6.7	1729.93	469118	429.4506 ng/ml
Promethazine	5.521	4525790	1030.97	29.7	14119.43	359201	522.1274 ng/ml
Pseudoephedrine	2.549	6779564	174578.75	16.9	46309.92	614150	518.4523 ng/ml
Quetiapine	5.510	4469150	638.06	58.9	89110.87	155419	455.7241 ng/ml
Sertraline	5.747	246721	453.14	94.9	637.43	21973	510.8357 ng/ml
Temazepam	5.788	2082163	677.13	26.6	30858.18	176970	533.8475 ng/ml
Tramadol	4.212	6905632	1024.79	3.5	4419.63	726721	519.5617 ng/ml
Trazodone	5.053	5652346	118354.02	66.1	2239.03	378234	498.0319 ng/ml
Venlafaxine	5.016	7480458	78225.68	33.7	3380.75	761536	513.4980 ng/ml
Xylazine	4.037	2386053	9436.94	49.0	20425.78	173143	507.4194 ng/ml
Zolpidem	4.817	8877255	733811.81	27.8	1906460.06	735825	504.1473 ng/ml

AM #28 Multi-Drug Quant. Results



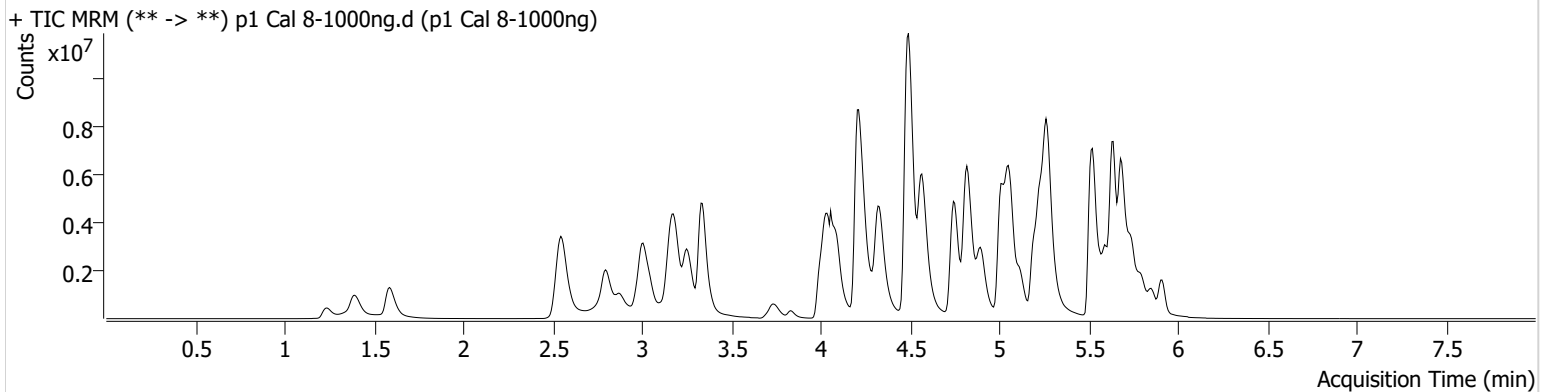
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Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-A12
Injection Volume 2
Acq. Date-Time 10/19/2023 10:40:30 AM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	197756	210019.63	71.6	5400.63	61368	102.8987 ng/ml
7-aminoclonazepam	4.197	861253	∞	83.1	17547.02	81274	534.9408 ng/ml
a-hydroxyalprazolam	5.656	397864	1120.22	69.0	233.25	17474	999.2201 ng/ml
alpha-PHP	4.895	2373528	4868.59	255.9	119266.16	295932	1163.5482 ng/ml
alpha-PVP	4.330	8238742	264391.12	49.7	796.81	295932	1075.1207 ng/ml
Alprazolam	5.739	2454516	∞	117.7	714.80	109285	982.6439 ng/ml
Amphetamine	3.009	7210353	41550.11	51.4	10899.02	255135	510.0164 ng/ml
Benzoylcegonine	3.831	384278	3094.06	8.0	164.87	12720	1012.8374 ng/ml
Bromazolam	5.771	732165	133001.77	128.3	607707.25	40554	920.7400 ng/ml
Buprenorphine	5.742	156192	15171.30	15.0	15825.87	62756	94.7090 ng/ml
Bupropion	4.745	9705156	1572.53	63.2	74161.33	322226	1003.7247 ng/ml
Carisoprodol	5.694	1339453	69095.28	57.5	10453.75	59988	1013.2330 ng/ml
Citalopram	5.192	4925590	2478.01	38.6	2000.22	211251	1027.4630 ng/ml
Clonazepam	5.575	2320427	2253.10	34.4	12845.92	36052	913.6024 ng/ml
Clonazolam	5.532	1139616	978629.64	38.1	333986.10	36052	704.8022 ng/ml
Cocaine	4.231	5014546	34156.10	54.1	3598.70	405358	1065.6830 ng/ml
Codeine	2.539	433837	3655.06	97.8	22068.59	38152	749.0513 ng/ml
Cyclobenzaprine	5.598	4485455	41130.01	7.1	473.53	171208	1039.2347 ng/ml
Dextromethorphan	5.243	2846636	6232.35	76.7	427.96	127623	1017.0526 ng/ml
Dextrorphan	4.091	2502977	16903.47	219.5	9928.53	244831	1094.4697 ng/ml
Diazepam	5.911	2048315	965.75	91.0	1595.43	104437	956.2299 ng/ml
Dihydrocodeine	2.518	1778973	1821.26	60.6	19374.17	154382	694.6368 ng/ml
Diphenhydramine	5.270	15885669	197481.15	30.1	58773.13	713135	1049.5268 ng/ml
Doxylamine	4.491	21929688	330021.50	97.3	3733.58	917649	1006.6462 ng/ml
Duloxetine	5.624	141603	2534.63	15.1	23509.34	7491	1009.8531 ng/ml
EDDP	5.235	7956715	130689.76	42.5	∞	409051	1032.8798 ng/ml
Etizolam	5.778	1132032	10593.40	27.1	28181.73	36052	1325.6777 ng/ml
Fentanyl	5.062	657562	94543.84	82.3	547032.99	265019	118.0515 ng/ml
Fluorofentanyl	5.116	2031321	33611.47	37.1	1106186.78	3587	104.6134 ng/ml
Fluoxetine	5.691	1786472	204665.00	8.4	140505.41	65061	1002.5722 ng/ml
Hydrocodone	2.978	3305392	∞	34.5	∞	208096	888.3909 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.589	3336083	12166365.62	71.1	13375993.19	99181	1002.7404 ng/ml
Hydroxyzine	5.675	6155140	275337.79	79.3	334453.02	127623	1409.2922 ng/ml
Ketamine	3.996	4183642	1303.33	37.2	978.45	248706	822.1182 ng/ml
Lamotrigine	4.247	204741	14304.32	88.9	1558.25	457951	661.9407 ng/ml
Lorazepam	5.704	490803	16540.30	45.6	144.17	38248	972.5903 ng/ml
MDA	3.150	3620203	15227.45	30.9	1391.07	226869	663.4549 ng/ml
MDMA	3.251	4888917	34117.14	95.6	7692.92	57189	1040.9291 ng/ml
Meprobamate	4.862	1654270	881.11	28.6	24308.10	78672	938.0443 ng/ml
Methadone	5.637	13198564	148333.37	41.0	54658.07	450178	1050.3235 ng/ml
Methamphetamine	3.178	10307748	2502.62	38.3	30826.79	627042	705.0427 ng/ml
Metoprolol	4.293	962500	1175.39	101.0	129177.00	634836	655.5059 ng/ml
Mirtazapine	4.566	12905789	153513.46	43.1	662465.11	295932	1198.9845 ng/ml
Mitragynine	5.190	1963069	197027.10	35.2	626628.09	450178	997.3041 ng/ml
Morphine	1.240	549647	∞	36.6	∞	17198	907.2985 ng/ml
Norbuprenorphine	4.964	31721	145395.38	101.5	53044.32	16284	99.7650 ng/ml
Nordiazepam	5.858	1620129	33909.02	62.3	4704.41	58227	943.9025 ng/ml
Norfentanyl	4.058	554566	6624.43	38.0	864.31	184726	112.4740 ng/ml
Norhydrocodone	3.033	636029	531.22	39.3	37.64	32400	1172.1936 ng/ml
Noroxycodone	2.876	2230580	3789.09	47.6	36857.71	81764	957.0890 ng/ml
O-desmethyl-tramadol	3.338	14232401	318633.84	5.9	1050.70	769816	1053.8464 ng/ml
o-desmethylvenlafaxine	4.036	3797366	∞	51.3 High	14274.33	90872	519.0891 ng/ml
Olanzapine	4.319	2235127	34513.17	57.8	7478.82	52211	975.8665 ng/ml
Oxazepam	5.713	718837	6726.39	73.8	7128.36	38248	980.7874 ng/ml
Oxycodone	2.794	7334304	∞	28.1	3331.45	316289	943.6338 ng/ml
Oxymorphone	1.391	3364195	∞	43.3	∞	124397	967.9850 ng/ml
Phentermine	3.740	2183954	528.52	6.7	1726.24	444898	691.0661 ng/ml
Promethazine	5.521	8814022	74113.89	28.5	28650.45	339520	1075.2897 ng/ml
Pseudoephedrine	2.549	10722163	1425.54	16.5	44914.03	457951	1098.9254 ng/ml
Quetiapine	5.510	6584601	505.78	60.6	55494.24	149583	697.8972 ng/ml
Sertraline	5.747	355975	17805.46	97.6	7246.84	16236	997.8546 ng/ml
Temazepam	5.795	2275765	23443.91	26.5	13679.86	37511	2752.9281 ng/ml
Tramadol	4.206	10506959	∞	3.6	562.36	634836	905.2607 ng/ml
Trazodone	5.053	9648233	187437.70	68.9	3394.23	317243	1013.5890 ng/ml
Venlafaxine	5.009	12884959	476791.99	33.0	14985.54	628745	1070.8955 ng/ml
Xylazine	4.037	4009938	116064.16	50.4	3193.12	149389	988.2763 ng/ml
Zolpidem	4.817	15793804	242767.46	27.6	19019.80	685212	963.2512 ng/ml