

Worklist: 6584

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-4432	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4441	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4460	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4460	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4524	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4537	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4543	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4580	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4644	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4679	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2023-4746	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3312	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3320	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3323	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3378	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3396	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3406	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3411	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3411	2*	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3415	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-3422	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

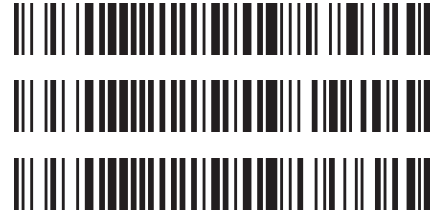
*Not included in this run. It was accidentally added to the worklist.

11/29/23

Worklist: 6584

CS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2023-3423	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-3455	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-3471	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 11/27/2023

Analyst: Celena Shrum

Plate lot#: 230707

Plate Retest Date: 01/07/2024

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

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

Blank Blood Lot: Lampire 23E52981

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

LCMS-QQQ ID: 069901

Pre-Analytic:

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

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:

Curve Limits:

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

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

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

Etizolam: 5-250 -- calibrators 7 and 8 dropped due to accuracy

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

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

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

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

Meprobamate: 5-250 -- calibrators 7 and 8 dropped due to accuracy

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

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

Temazepam: 5-500 -- calibrator 8 dropped due to accuracy and ISTD peak shape

Morphine: Qualitative only due to QC100 accuracy

	1	2	3	4	5	6	7	8	9	10	11	12
A									M2023-4537-1	P2023-3323-1	P2023-3455-1	IS + Cal. 8
B									M2023-4543-3	P2023-3378-1	P2023-3471-1	IS + Cal. 7
C									M2023-4580-1	P2023-3396-1	Neg Ctrl	IS + Cal. 6
D								M2023-4432-2	M2023-4644-2	P2023-3406-1	IS + QC_2	IS + Cal. 5
E								M2023-4441-2	M2023-4679-2	P2023-3411-1	IS + QC_4	IS + Cal. 4
F								M2023-4460-1	M2023-4746-3	P2023-3415-1	IS + QC_3	IS + Cal. 3
G								M2023-4460-2	P2023-3312-1	P2023-3422-1	IS + QC_2	IS + Cal. 2
H								M2023-4524-2	P2023-3320-1	P2023-3423-1	IS + QC_1	IS + Cal. 1

AM #28 Multi-Drug Quant. Results



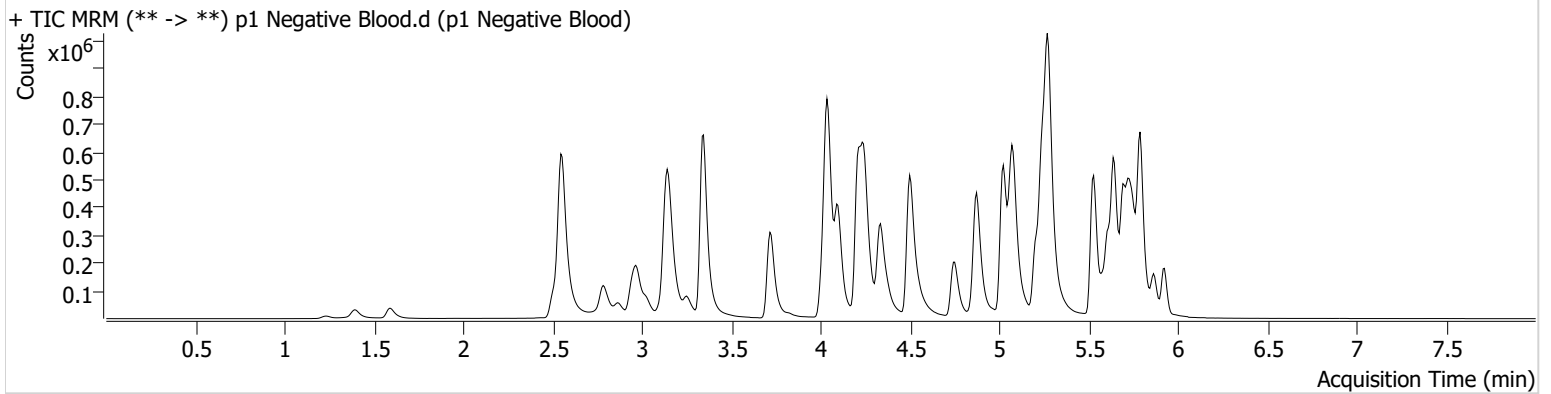
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Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C11
Injection Volume 2
Acq. Date-Time 11/28/2023 4:23:41 AM
Sample Info.

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

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

Sample Chromatogram





AM #28 Multi-Drug Quant. Results

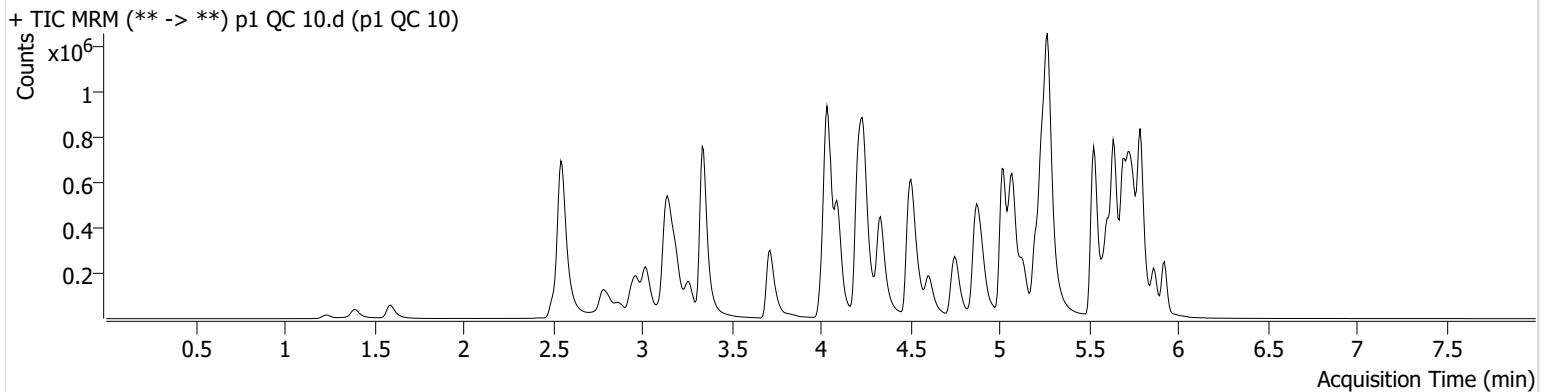
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Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-H11
Injection Volume 2
Acq. Date-Time 11/28/2023 3:19:55 AM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.112	3043	5869.01	72.0	63.90	95469	0.9432 ng/ml
7-aminoclonazepam	4.238	46203	168.38	77.4	66.16	184475	10.8070 ng/ml
a-hydroxyalprazolam	5.669	28517	106.74	71.2	430.01	137768	9.9624 ng/ml
alpha-PHP	4.915	62516	1546.47	267.1	1289.96	945237	10.5800 ng/ml
alpha-PVP	4.343	237182	739.65	45.8	2607.68	945237	9.8141 ng/ml
Alprazolam	5.753	108613	5325.41	119.3	1131.82	496957	10.0818 ng/ml
Amphetamine	3.022	313338	891.72	48.8	5126.77	426140	10.7634 ng/ml
Benzoylcegonine	3.851	5789	1300.70	7.4	∞	19371	10.5022 ng/ml
Bromazolam	5.791	44042	37274.35	118.8	42711.84	230991	9.9653 ng/ml
Buprenorphine	5.790	5570	5634.45	18.0	1065.88	191182	1.0595 ng/ml
Bupropion	4.765	200177	338.21	69.3	1523.56	630596	9.8916 ng/ml
Carisoprodol	5.701	101565	6640.18	60.3	708.86	434586	10.2162 ng/ml
Citalopram	5.206	173383	4759.64	36.5	5866.60	772210	10.2152 ng/ml
Clonazepam	5.588	139665	484.71	33.9	6023.78	181151	10.4478 ng/ml
Clonazolam	5.532	93863	23849.49	30.6	43703.75	181151	10.6266 ng/ml
Cocaine	4.244	158554	3294.29	50.4	1443.93	1233407	10.3084 ng/ml
Codeine	2.559	16653	51.73	114.5	317.26	96423	10.2915 ng/ml
Cyclobenzaprine	5.612	151353	3066.49	9.6	139.80	672261	10.0659 ng/ml
Dextromethorphan	5.249	118291	1661.83	83.5	896.36	529625	10.3555 ng/ml
Dextrorphan	4.097	71902	679.41	212.5	1748.88	836407	9.9616 ng/ml
Diazepam	5.925	77460	422.66	89.3	108.19	353851	10.5963 ng/ml
Dihydrocodeine	2.538	50493	1912.67	58.6	649.68	275855	10.6184 ng/ml
Diphenhydramine	5.277	460663	501.19	28.6	2186.77	2185452	9.9084 ng/ml
Doxylamine	4.518	381034	4650.10	100.2	3643.73	1764594	9.8521 ng/ml
Duloxetine	5.638	13181	249.08	12.9	170.28	69915	10.3718 ng/ml
EDDP	5.242	227734	171.41	42.7	6720.27	1200609	10.2302 ng/ml
Etizolam	5.792	48574	11480.92	28.3	18128.80	181151	10.2416 ng/ml
Fentanyl	5.082	14390	122.10	81.4	19190.93	843887	0.9632 ng/ml
Fluorofentanyl	5.136	42880	819.63	37.4	657.72	8042	0.9472 ng/ml
Fluoxetine	5.698	145507	3004.82	7.3	363.08	502637	10.3686 ng/ml
Hydrocodone	2.998	69235	186.28	30.5	35.88	393521	9.7537 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.602	45036	99.56	76.6	4533.81	148551	9.6403 ng/ml
Hydroxyzine	5.688	146206	1418.27	74.9	706.00	529625	10.1931 ng/ml
Ketamine	4.023	139889	769.05	36.4	153.73	546988	10.7944 ng/ml
Lamotrigine	4.254	13472	967.81	78.2	6000.58	1901266	9.6939 ng/ml
Lorazepam	5.724	115005	860.57	47.6	226.68	729259	11.4490 ng/ml
MDA	3.170	207001	845.10	31.0	152.32	616895	10.7304 ng/ml
MDMA	3.264	139876	2972.88	92.0	502.28	161255	9.9713 ng/ml
Meprobamate	4.875	42485	2059.41	32.5	101.02	188750	10.4223 ng/ml
Methadone	5.644	322073	766.99	45.2	284.30	1186032	9.7694 ng/ml
Methamphetamine	3.198	289112	423.19	40.6	248.28	1325309	9.8372 ng/ml
Metoprolol	4.300	39759	776.30	101.3	2522.32	1544064	10.7699 ng/ml
Mirtazapine	4.607	304663	4426.70	51.5	1042.46	945237	10.1300 ng/ml
Mitragynine	5.210	66154	729.42	31.8	16302.47	1186032	10.8033 ng/ml
Morphine	1.240	7761	887.90	30.4	269.20	14500	9.9382 ng/ml
Norbuprenorphine	4.971	660	804.88	87.9	61.93	26259	1.2223 ng/ml
Nordiazepam	5.871	83643	390.38	59.7	2612.28	275467	10.1069 ng/ml
Norfentanyl	4.058	31567	7527.62	36.9	233.72	1318603	0.9523 ng/ml
Norhydrocodone	3.046	11430	139.00	36.8	60.39	104361	8.2934 ng/ml
Noroxycodone	2.889	45095	1898.34	46.9	2947.07	149038	9.6518 ng/ml
O-desmethyl-tramadol	3.345	336139	878.27	5.6	311.64	1920449	9.9698 ng/ml
o-desmethylvenlafaxine	4.056	361337	4142.32	20.8	180.14	396296	9.8701 ng/ml
Olanzapine	4.448	8441	177.25	48.8	116.53	19033	10.6537 ng/ml
Oxazepam	5.734	137915	876.65	75.0	322.62	729259	10.5043 ng/ml
Oxycodone	2.814	122866	641.94	27.6	660.36	460053	9.9567 ng/ml
Oxymorphone	1.398	32988	407.04	44.7	103.48	115618	9.8670 ng/ml
Phentermine	3.753	64170	662.73	7.5	52.37	964765	10.1721 ng/ml
Promethazine	5.528	271618	∞	32.0	∞	1184671	10.0119 ng/ml
Pseudoephedrine	2.562	360350	2070.32	17.1	746.20	1901266	9.5990 ng/ml
Quetiapine	5.538	215130	131.21	54.6	16149.94	273249	10.7799 ng/ml
Sertraline	5.767	34469	988.06	101.9	141.98	150583	10.3948 ng/ml
Temazepam	5.795	228904	1273.63	28.6	45.91	1046763	10.4487 ng/ml
Tramadol	4.219	328745	449.77	3.0	287.65	1544064	10.8720 ng/ml
Trazodone	5.129	296406	1022.46	56.4	2984.98	883146	10.3936 ng/ml
Venlafaxine	5.023	298300	384.21	36.2	485.84	1653672	9.9658 ng/ml
Xylazine	4.051	122727	3419.99	44.7	134.54	432654	10.2421 ng/ml
Zolpidem	4.892	321598	1214.14	27.9	17415.70	1229454	10.3610 ng/ml



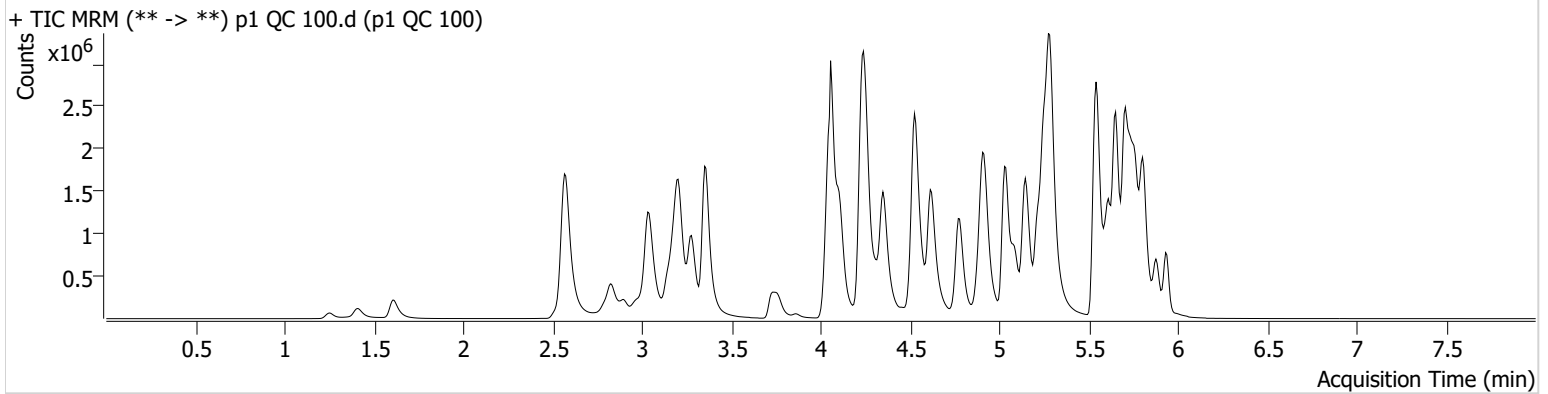
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 11/29/2023 7:10:05 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 11/28/2023 12:54:06 PM
Sample Info.

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.119	30251	45039.10	75.9	65374.90	89051	10.1312 ng/ml
7-aminoclonazepam	4.245	358798	2817.89	76.7	4542.41	144051	112.6512 ng/ml
a-hydroxyalprazolam	5.683	228142	2732.28	69.5	938.68	104661	103.2984 ng/ml
alpha-PHP	4.922	586147	1905.45	262.7	2576.06	883129	107.2452 ng/ml
alpha-PVP	4.357	2258204	841.60	48.1	564.86	883129	96.4101 ng/ml
Alprazolam	5.760	962947	1922.25	115.1	1168.26	395309	104.9269 ng/ml
Amphetamine	3.043	2791909	69081.74	44.5	11609.45	387025	113.7139 ng/ml
Benzoylcegonine	3.864	54118	3018.02	8.3	44.99	18451	102.2777 ng/ml
Bromazolam	5.798	336436	622.21	125.9	392361.92	177707	101.1992 ng/ml
Buprenorphine	5.804	48280	31490.63	15.6	17132.62	183920	10.7788 ng/ml
Bupropion	4.779	1973646	1270545.91	68.5	82285.12	600878	101.1382 ng/ml
Carisoprodol	5.715	692399	23103.07	62.1	2313.75	303536	97.8671 ng/ml
Citalopram	5.213	1577019	78955.56	35.2	7935.71	688163	100.8839 ng/ml
Clonazepam	5.595	1075905	2981.00	33.4	1678.36	140738	108.9714 ng/ml
Clonazolam	5.539	671135	806835.63	33.9	212048.75	140738	105.4981 ng/ml
Cocaine	4.251	1493058	1405468.52	50.8	33460.73	1182663	101.4131 ng/ml
Codeine	2.573	148600	618.13	104.0	315739.99	82552	112.5402 ng/ml
Cyclobenzaprine	5.618	1396309	62836.14	9.4	407.95	611634	94.3618 ng/ml
Dextromethorphan	5.263	1059304	306.66	79.9	30782.21	479682	100.7323 ng/ml
Dextrorphan	4.104	651925	13248.74	209.9	30499.27	748862	98.5908 ng/ml
Diazepam	5.939	662222	5993.46	89.5	717.28	305563	105.7126 ng/ml
Dihydrocodeine	2.545	459572	11678.13	61.8	1559.43	261975	108.2835 ng/ml
Diphenhydramine	5.284	4244736	2908020.87	28.4	108631.25	1968487	97.0226 ng/ml
Doxylamine	4.525	3799134	267821.84	97.6	86824.63	1695806	96.4765 ng/ml
Duloxetine	5.645	113226	1837.18	12.6	1032.11	63079	98.0988 ng/ml
EDDP	5.249	2086012	414.34	43.2	292.10	1088588	100.0561 ng/ml
Etizolam	5.798	445863	7897.53	28.5	30884.29	140738	114.7451 ng/ml
Fentanyl	5.096	142078	3711.05	77.2	81677.41	819454	9.7383 ng/ml
Fluorofentanyl	5.150	402840	35106.64	39.2	133093.47	7272	9.5877 ng/ml
Fluoxetine	5.705	1248778	59443.40	7.4	317.16	443079	98.7170 ng/ml
Hydrocodone	3.005	601101	∞	32.3	286.27	343770	103.2133 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.609	413378	3869.70	75.4	2874.97	132342	97.8021 ng/ml
Hydroxyzine	5.702	1340170	1894.64	79.7	1567071.22	479682	95.8772 ng/ml
Ketamine	4.037	1235725	1105.73	36.7	473.81	522116	105.7077 ng/ml
Lamotrigine	4.267	122463	1433.14	82.7	4252.48	1664736	103.1019 ng/ml
Lorazepam	5.731	595039	7155.08	54.5	840.60	479224	99.7130 ng/ml
MDA	3.184	1606348	9528.02	30.3	1700.99	484790	112.2463 ng/ml
MDMA	3.278	1342326	9505.81	90.5	30044.11	143949	103.8210 ng/ml
Meprobamate	4.889	317877	5273.17	33.9	5004.92	158793	100.4830 ng/ml
Methadone	5.650	2966023	58863.40	47.3	21540.03	1055882	95.1173 ng/ml
Methamphetamine	3.211	2676561	58934.52	39.6	700.04	1283194	106.4753 ng/ml
Metoprolol	4.314	369181	257541.15	105.5	6292.76	1514039	105.5887 ng/ml
Mirtazapine	4.621	2869619	145351.57	51.7	6859.39	883129	95.3695 ng/ml
Mitragynine	5.224	596182	285867.38	32.4	137783.61	1055882	108.8257 ng/ml
Morphine	1.253	69038	834.49	30.8	630.65	10542	126.2201 ng/ml
Norbuprenorphine	4.985	5552	4055.97	98.1	10563.15	25323	10.4322 ng/ml
Nordiazepam	5.878	702089	519.42	60.4	2973.97	222446	107.6883 ng/ml
Norfentanyl	4.071	283028	24314.08	36.8	918.57	1075467	9.8309 ng/ml
Norhydrocodone	3.053	103530	247.67	36.9	520.64	83267	79.1980 ng/ml
Noroxycodone	2.903	373559	2939.79	48.8	7955.81	122305	99.0131 ng/ml
O-desmethyl-tramadol	3.358	3296569	68645.35	5.7	589.73	1860010	96.5086 ng/ml
o-desmethylvenlafaxine	4.056	3703239	134423.66	17.7	2785.27	328158	114.7356 ng/ml
Olanzapine	4.462	130790	1016.81	54.8	1303.37	30004	101.7227 ng/ml
Oxazepam	5.741	890401	4763.18	74.3	164.88	479224	105.0053 ng/ml
Oxycodone	2.828	1145192	1242.31	28.2	1192.32	433138	99.2649 ng/ml
Oxymorphone	1.411	273113	∞	44.9	1271.93	92177	103.1907 ng/ml
Phentermine	3.767	587003	582.85	6.9	79.61	909341	106.7398 ng/ml
Promethazine	5.535	2660566	66758.10	33.2	536.09	1143662	95.6712 ng/ml
Pseudoephedrine	2.576	3434669	223870.54	16.9	155747.22	1664736	97.6194 ng/ml
Quetiapine	5.544	1861200	1205528.20	58.6	1217643.24	248276	111.3603 ng/ml
Sertraline	5.774	294810	492.23	99.8	9377.70	131502	99.5198 ng/ml
Temazepam	5.808	1593012	8524.96	28.9	289.74	731018	100.3077 ng/ml
Tramadol	4.233	2976460	2998.04	3.6	445.74	1514039	101.8697 ng/ml
Trazodone	5.142	2758977	1384740.78	58.0	1896085.41	835398	108.8180 ng/ml
Venlafaxine	5.037	2805752	31133.26	36.1	863.01	1569448	94.3741 ng/ml
Xylazine	4.065	1117445	468005.23	47.5	4926.98	392042	100.5235 ng/ml
Zolpidem	4.906	3057414	1993687.73	27.7	678918.93	1200591	103.0332 ng/ml



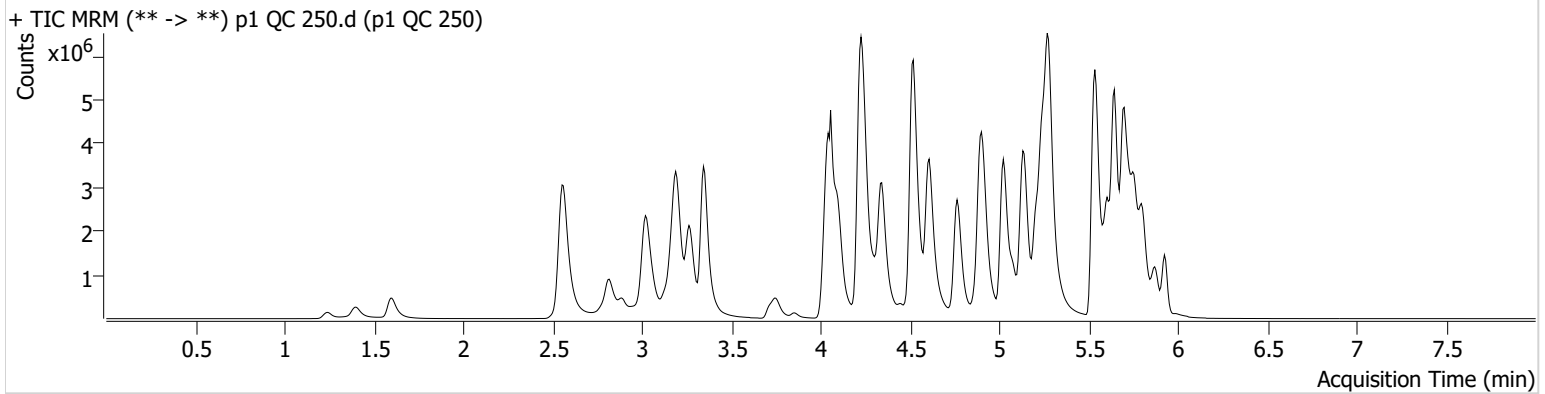
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 11/29/2023 7:10:05 AM

Instrument Falco (069901) **Data File** p1 QC 250.d
Type QC **Sample** p1 QC 250
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-F11 **Comment**
Injection Volume 2
Acq. Date-Time 11/28/2023 3:41:10 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	3.112	74420	3691.08	73.5	115739.92	86456	25.6838 ng/ml
7-aminoclonazepam	4.238	736398	5625.57	78.7	615.62	128886	259.1587 ng/ml
a-hydroxyalprazolam	5.669	383049	332.22	71.8	2226.57	72664	249.5659 ng/ml
alpha-PHP	4.915	1343256	2092.94	259.4	10269.62	842215	257.8763 ng/ml
alpha-PVP	4.343	5443961	156286.31	48.8	∞	842215	243.1126 ng/ml
Alprazolam	5.753	1949178	2075.41	112.8	2012.10	314362	265.9468 ng/ml
Amphetamine	3.022	5423014	98403.29	44.7	80818.27	386768	221.8946 ng/ml
Benzoylcegonine	3.851	143279	3785.22	8.5	1569.48	19741	252.9600 ng/ml
Bromazolam	5.791	624148	3433.29	127.2	1501.73	135021	247.4593 ng/ml
Buprenorphine	5.790	102566	117559.78	14.9	14924.10	160785	26.4139 ng/ml
Bupropion	4.765	4879141	264009.47	68.9	131652.24	591415	253.8329 ng/ml
Carisoprodol	5.708	1116697	45841.64	60.4	14516.33	196525	243.4703 ng/ml
Citalopram	5.206	3548912	2553.50	35.7	37003.05	608295	256.2698 ng/ml
Clonazepam	5.588	1850020	2101.72	34.6	55438.43	108847	243.0139 ng/ml
Clonazolam	5.532	1125801	458937.25	34.6	521700.10	108847	229.9157 ng/ml
Cocaine	4.244	3348787	109500.12	51.9	896.30	1088434	247.1804 ng/ml
Codeine	2.566	301775	168.19	104.3	18880.71	73737	256.5800 ng/ml
Cyclobenzaprine	5.612	3547865	43167.20	8.5	53256.18	587714	248.1349 ng/ml
Dextromethorphan	5.249	2363575	427.96	77.3	24947.86	427399	251.9732 ng/ml
Dextrorphan	4.097	1493181	2159.86	212.6	80731.80	680240	248.2128 ng/ml
Diazepam	5.925	1403490	1736.16	88.1	465.55	269920	253.7555 ng/ml
Dihydrocodeine	2.531	1020369	1034.76	62.9	18909.95	262555	240.8088 ng/ml
Diphenhydramine	5.277	10041027	113447.99	28.7	812.91	1783499	252.5572 ng/ml
Doxylamine	4.518	10070393	11914.07	95.1	4116.93	1668791	258.8340 ng/ml
Duloxetine	5.638	267857	4269.64	12.4	1120.57	57012	256.6401 ng/ml
EDDP	5.242	4891068	102686.60	42.9	113655.52	994932	256.1184 ng/ml
Etizolam	5.792	824466	4919.78	29.0	134258.22	108847	273.5429 ng/ml
Fentanyl	5.082	369796	6537.49	78.9	263543.52	819725	25.3282 ng/ml
Fluorofentanyl	5.143	1022018	15065.28	38.8	9240.66	6594	26.7783 ng/ml
Fluoxetine	5.698	2853904	109217.51	7.1	222287.04	398431	250.4911 ng/ml
Hydrocodone	2.998	1418423	∞	33.8	571.51	347198	242.0864 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.602	1015119	3970761.23	75.1	4763684.53	128720	246.6776 ng/ml
Hydroxyzine	5.695	3174428	36978.08	85.4	192200.51	427399	253.5587 ng/ml
Ketamine	4.023	2714087	96437.36	36.4	613.73	499732	243.4823 ng/ml
Lamotrigine	4.261	244525	6341.71	88.4	7868.20	1435560	239.0764 ng/ml
Lorazepam	5.725	743013	13193.63	47.6	1654.66	255236	235.6469 ng/ml
MDA	3.170	2990887	2829.40	30.2	45190.80	417806	243.3223 ng/ml
MDMA	3.264	3062728	12522.98	94.9	13812.02	138945	244.9445 ng/ml
Meprobamate	4.875	617866	5607.84	32.2	273.59	141551	220.2675 ng/ml
Methadone	5.644	7743967	98422.12	42.8	60010.46	1002674	260.4076 ng/ml
Methamphetamine	3.198	6446917	96685.09	38.9	1591.61	1277629	259.6375 ng/ml
Metoprolol	4.307	816400	1830.47	104.6	16846.16	1495316	236.9470 ng/ml
Mirtazapine	4.607	7331647	271801.83	48.6	101407.26	842215	254.2493 ng/ml
Mitragynine	5.217	1338452	154768.89	32.8	3088.19	1002674	257.2030 ng/ml
Morphine	1.240	167173	∞	29.6	632.50	12539	257.3794 ng/ml
Norbuprenorphine	4.978	12637	1466.36	96.2	20893.85	23443	25.6042 ng/ml
Nordiazepam	5.871	1347373	664.26	61.2	3679.52	177896	258.8092 ng/ml
Norfentanyl	4.064	535586	744.25	38.7	506.34	819224	24.3278 ng/ml
Norhydrocodone	3.046	282543	853.16	37.1	857.98	79121	224.7611 ng/ml
Noroxycodone	2.890	862344	923.27	47.4	685.59	115921	241.4062 ng/ml
O-desmethyl-tramadol	3.345	8171879	181106.21	5.7	570.50	1760377	251.9871 ng/ml
o-desmethylvenlafaxine	4.056	7112023	121165.04	20.0	5762.81	281208	256.3268 ng/ml
Olanzapine	4.448	393690	1801.94	55.5	3586.32	35870	255.6051 ng/ml
Oxazepam	5.734	1151968	5874.13	74.0	5577.88	255236	255.3638 ng/ml
Oxycodone	2.814	2844116	∞	28.0	2940.78	430158	248.3521 ng/ml
Oxymorphone	1.398	696753	∞	46.6	∞	102610	236.5883 ng/ml
Phentermine	3.753	1278585	498.35	7.0	167.63	848005	250.5427 ng/ml
Promethazine	5.528	6740813	102081.06	32.3	1262.33	1099211	251.1369 ng/ml
Pseudoephedrine	2.562	7726522	229661.89	16.6	2126.24	1435560	253.5406 ng/ml
Quetiapine	5.538	4154652	382572.79	59.3	469.81	242031	256.3161 ng/ml
Sertraline	5.767	756874	29130.68	96.3	349.05	133293	251.6695 ng/ml
Temazepam	5.801	2628492	56153.32	28.3	4147.72	469601	256.9772 ng/ml
Tramadol	4.219	6997481	∞	3.7	303.18	1495316	242.7368 ng/ml
Trazodone	5.129	6603247	3455.33	62.4	107617.48	889625	245.4898 ng/ml
Venlafaxine	5.023	7112176	29301.71	34.0	505.37	1488133	251.4715 ng/ml
Xylazine	4.051	2541454	162334.71	49.1	6956.22	345927	258.6852 ng/ml
Zolpidem	4.892	7621689	942.82	27.4	4506.31	1208018	255.6334 ng/ml



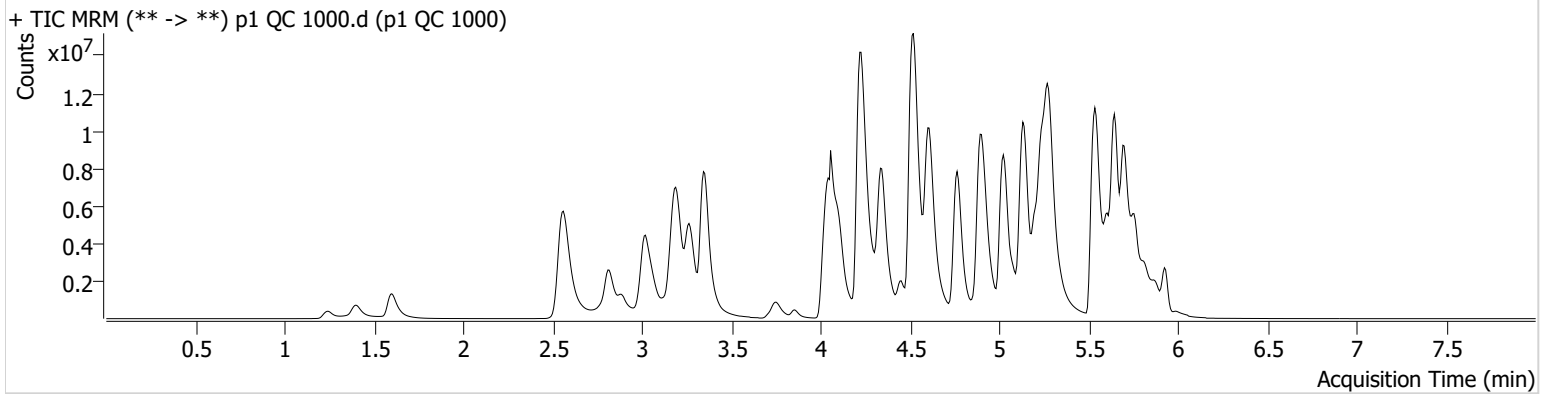
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 11/29/2023 7:10:05 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 11/28/2023 4:02:26 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	3.112	239383	295343.31	71.1	5531.07	68206	104.7460 ng/ml
7-aminoclonazepam	4.238	981344	2866.37	77.5	1396.78	55183	807.8533 ng/ml
a-hydroxyalprazolam	5.669	492624	560.85	72.6	531.35	22256	1047.3794 ng/ml
alpha-PHP	4.915	3491295	21468.00	262.6	67660.46	609134	927.0292 ng/ml
alpha-PVP	4.343	16736621	45389.24	49.7	73732.55	609134	1032.1312 ng/ml
Alprazolam	5.753	3980955	1200.57	108.9	1429.07	161832	1052.9300 ng/ml
Amphetamine	3.022	10627293	8770.98	44.3	133551.71	299512	562.9293 ng/ml
Benzoylcegonine	3.851	545182	42162.81	8.3	98212.76	19169	990.9701 ng/ml
Bromazolam	5.791	1087424	652896.10	126.8	1176658.70	61468	947.7493 ng/ml
Buprenorphine	5.790	243771	93873.57	14.7	25630.37	104596	96.9109 ng/ml
Bupropion	4.765	15608365	1743.01	69.1	∞	489047	981.6114 ng/ml
Carisoprodol	5.708	1384265	30910.51	60.3	19176.73	55912	1060.1180 ng/ml
Citalopram	5.199	7804703	610.92	36.3	672.32	334792	1022.8962 ng/ml
Clonazepam	5.588	2397950	28636.01	34.0	26882.55	38709	887.3267 ng/ml
Clonazolam	5.552	1317305	405260.15	35.0	283672.82	38709	758.6348 ng/ml
Cocaine	4.244	9138729	9167.24	51.2	115421.26	716927	1024.1564 ng/ml
Codeine	2.566	690242	5372.81	100.3	6091.19	48989	884.7102 ng/ml
Cyclobenzaprine	5.612	8425125	187584.70	7.6	488.37	317894	1086.5234 ng/ml
Dextromethorphan	5.249	4800627	570.41	75.6	902.13	214683	1018.3033 ng/ml
Dextrorphan	4.097	3771700	408584.20	220.2	347837.28	420523	1013.4198 ng/ml
Diazepam	5.925	3307771	350.35	88.1	7260.64	162356	994.5463 ng/ml
Dihydrocodeine	2.524	2712983	20312.68	62.4	1791.54	228146	738.3982 ng/ml
Diphenhydramine	5.277	24370359	828.91	29.3	526.44	1063552	1026.4725 ng/ml
Doxylamine	4.518	32189380	256588.48	94.7	45332.40	1344584	1025.0201 ng/ml
Duloxetine	5.631	362721	11441.17	13.2	451.15	19554	1013.0427 ng/ml
EDDP	5.242	15907177	1326.55	40.3	93412.50	755865	1095.2396 ng/ml
Etizolam	5.798	1929053	9255.60	28.6	21910.31	38709	1796.4906 ng/ml
Fentanyl	5.082	1268130	315.00	77.4	402479.76	644815	110.3971 ng/ml
Fluorofentanyl	5.143	2802388	∞	40.7	1845.52	4697	102.9901 ng/ml
Fluoxetine	5.705	4682518	92082.50	7.2	∞	155872	1049.7386 ng/ml
Hydrocodone	2.998	4441435	∞	35.4	666.33	280784	939.3501 ng/ml



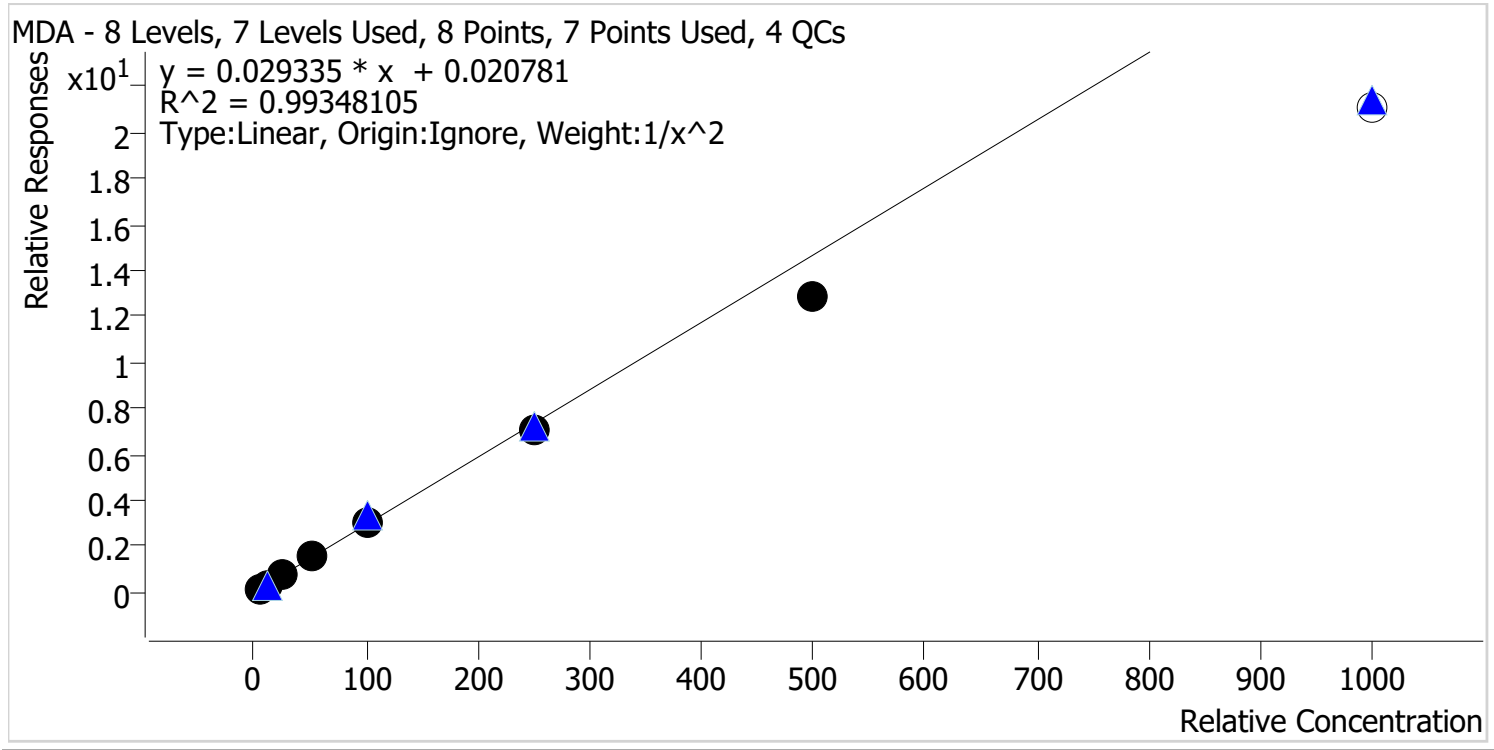
AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.602	3284623	19590803.74	75.6	11588209.0 5	103853	988.8032 ng/ml
Hydroxyzine	5.688	8209118	217240.47	84.3	6752557.98	214683	1302.0933 ng/ml
Ketamine	4.016	6208054	2199.53	35.7	1131.60	368462	756.8226 ng/ml
Lamotrigine	4.267	426639	8174.57	89.5	6180.20	832877	719.5030 ng/ml
Lorazepam	5.724	727200	18783.04	46.7	457.46	56202	1052.1865 ng/ml
MDA	3.163	5083553	2333.90	29.5	64942.12	237508	728.9306 ng/ml
MDMA	3.264	8534522	167320.51	94.5	300119.74	89500	1058.4837 ng/ml
Meprobamate	4.868	994373	1203.53	31.8	341.46	85834	586.2311 ng/ml
Methadone	5.643	20138289	164961.01	45.3	754.05	668271	1014.2167 ng/ml
Methamphetamine	3.191	17571445	174419.30	37.0	227347.79	1131492	802.0662 ng/ml
Metoprolol	4.300	1746464	94559.81	106.0	10847.73	1021646	742.7979 ng/ml
Mirtazapine	4.607	22622025	163757.80	46.8	95972.33	609134	1082.2464 ng/ml
Mitragynine	5.210	3113679	2095840.44	34.2	1029602.87	668271	897.6016 ng/ml
Morphine	1.240	526357	∞	29.4	∞	10250	992.5248 ng/ml
Norbuprenorphine	4.978	40611	48028.41	92.4	51733.77	18266	105.5045 ng/ml
Nordiazepam	5.878	2275724	822.15	62.7	13828.64	81143	959.1162 ng/ml
Norfentanyl	4.064	882467	41743.94	38.6	4602.88	294890	111.1282 ng/ml
Norhydrocodone	3.046	967639	∞	38.6	∞	56128	1079.5415 ng/ml
Noroxycodone	2.889	2374922	1494.72	47.6	823.40	78293	984.9027 ng/ml
O-desmethyl-tramadol	3.351	24671827	533747.86	5.9	56140.38	1310258	1020.6426 ng/ml
o-desmethylvenlafaxine	4.056	14786659	303552.11	19.4	2376.75	135771	1101.6500 ng/ml
Olanzapine	4.448	3410561	9969.81	60.9	12021.16	76074	1043.0291 ng/ml
Oxazepam	5.727	990790	20881.90	72.9	4032.88	56202	998.0418 ng/ml
Oxycodone	2.808	9293777	∞	27.9	4210.55	364306	958.4625 ng/ml
Oxymorphone	1.398	2255612	∞	45.3	1858.27	83534	941.0506 ng/ml
Phentermine	3.753	3325982	1339.34	6.6	850.50	669011	828.2244 ng/ml
Promethazine	5.528	18516314	77985.87	31.4	5108.29	709544	1066.5910 ng/ml
Pseudoephedrine	2.562	19728000	1426.34	16.0	429.04	832877	1113.4377 ng/ml
Quetiapine	5.544	9519413	72278.31	60.6	66599.66	162341	878.0514 ng/ml
Sertraline	5.767	1254721	1352.93	96.7	426.73	53622	1036.2770 ng/ml
Temazepam	5.815	3447043	18889.16	28.3	12304.99	53629	2946.5103 ng/ml
Tramadol	4.219	19819561	5399.66	3.7	1706.16	1021646	1006.8503 ng/ml
Trazodone	5.129	18235450	1471644.77	69.8	403431.13	743015	813.4191 ng/ml
Venlafaxine	5.023	21729809	255048.14	32.6	113341.47	1054670	1082.4627 ng/ml
Xylazine	4.051	7351557	349110.48	50.1	12546.79	250998	1030.5062 ng/ml
Zolpidem	4.892	21677114	5045.93	26.9	338202.74	999876	879.0093 ng/ml



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte MDA **Internal Standard** MDA-D5

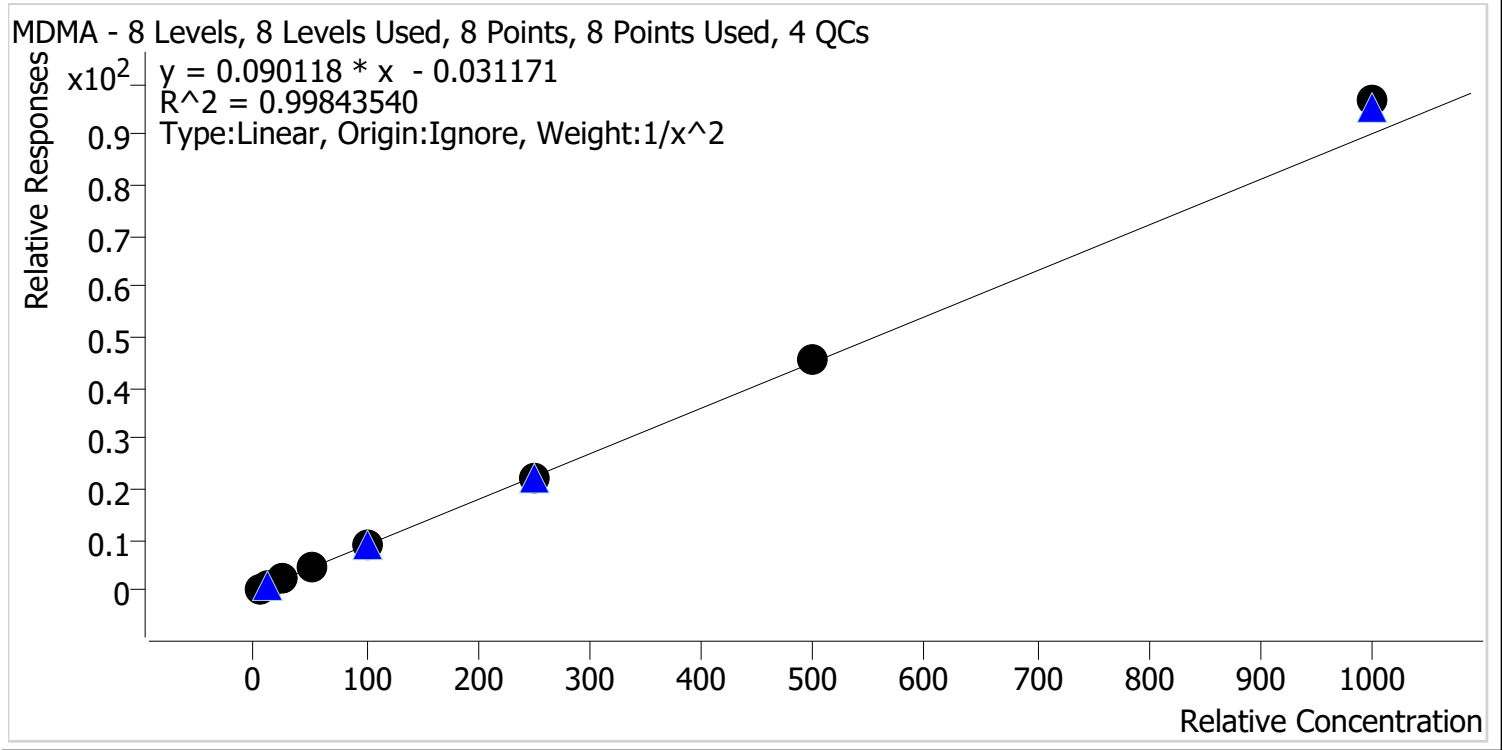


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.6
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	238.8	95.5
p1 Cal 7-500ng	7	✓	500.0	440.4	88.1
p1 Cal 8-1000ng	8	✗	1000.0	720.8	72.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte MDMA **Internal Standard** MDMA-D6

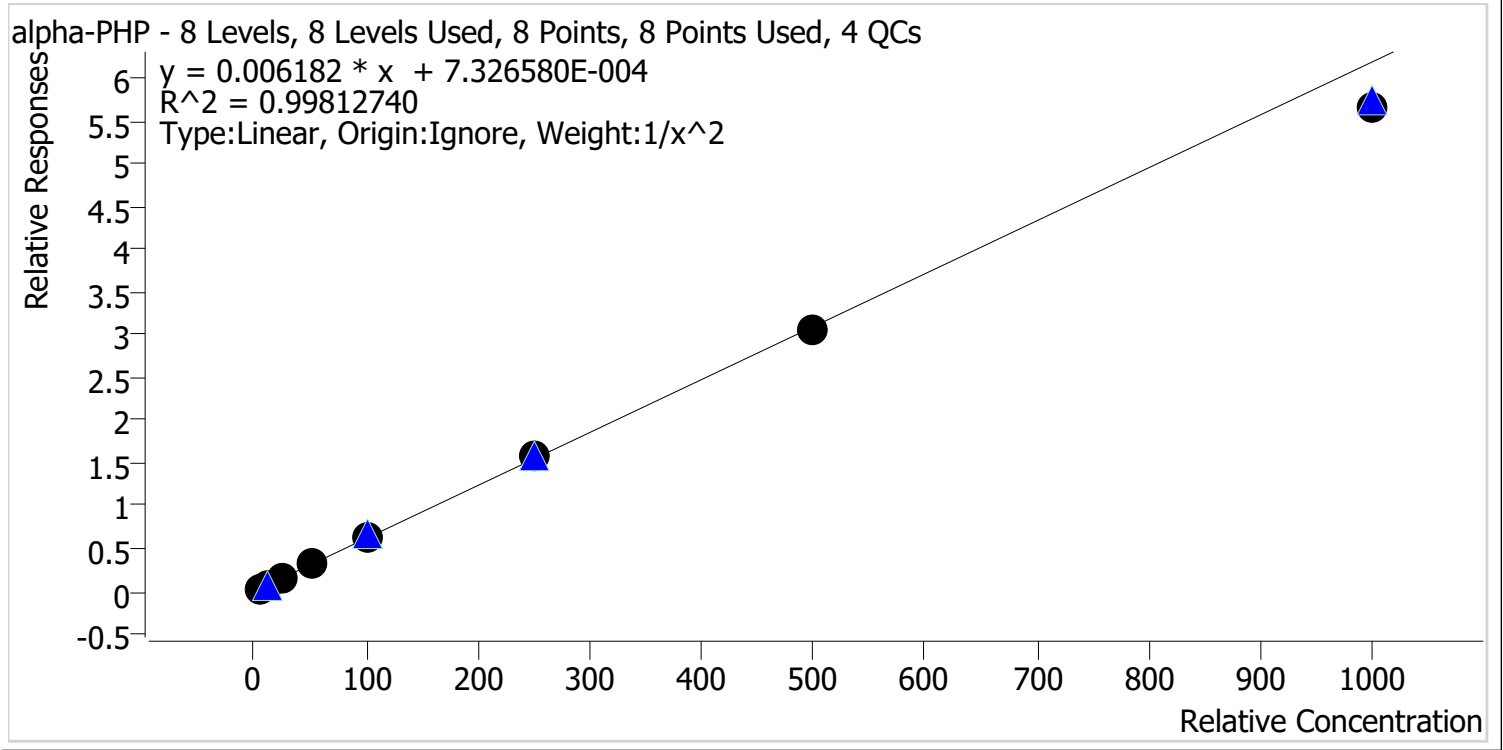


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	505.7	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1072.4	107.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-D8

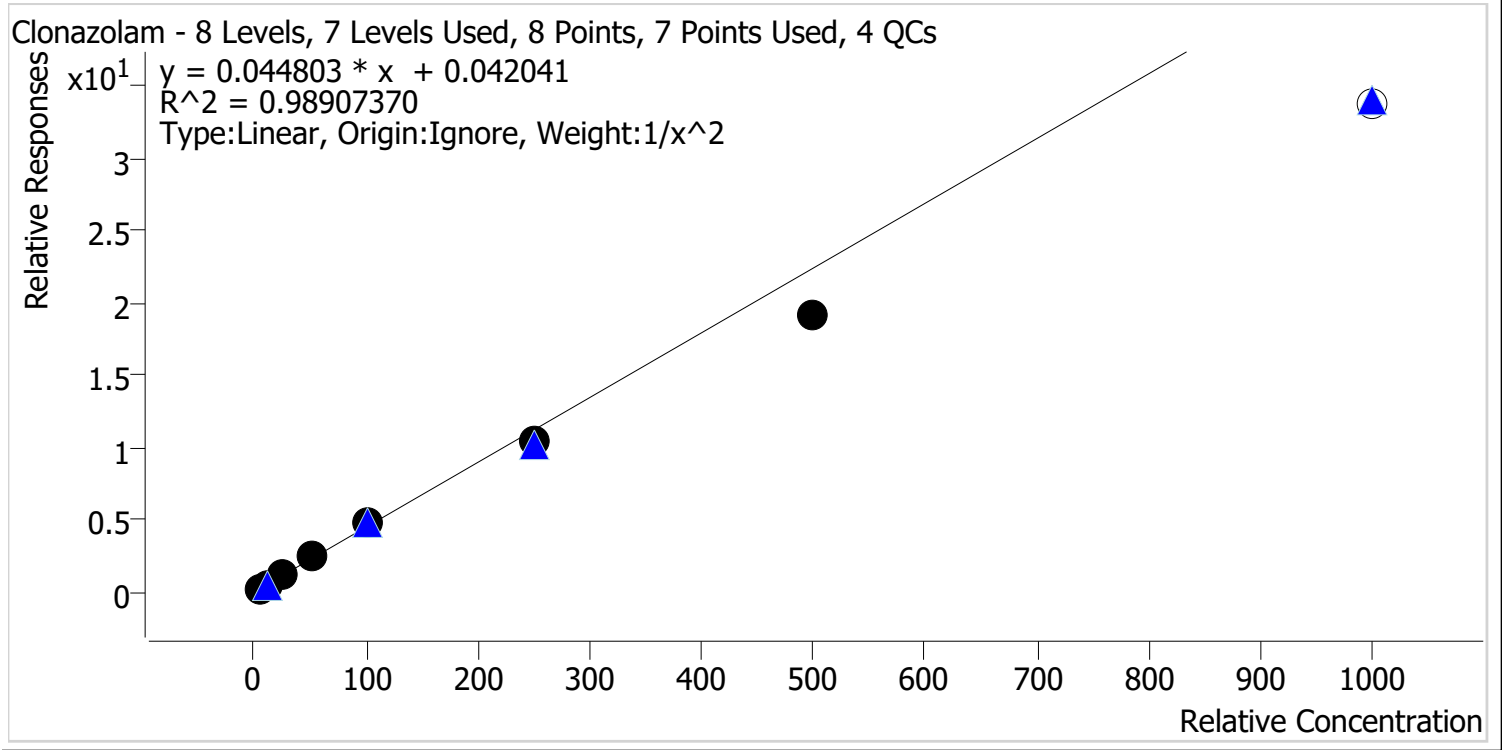


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	257.1	102.8
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	917.0	91.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4



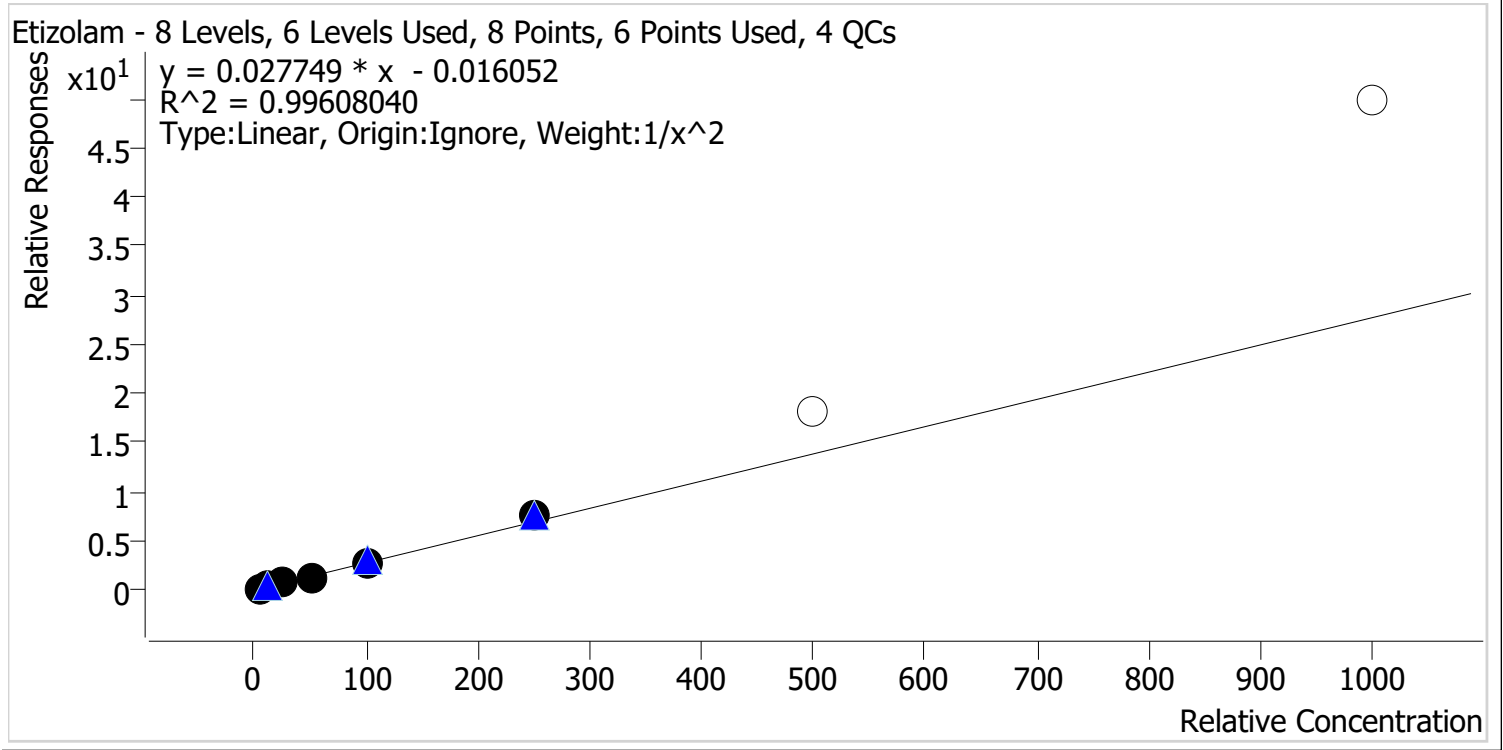
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2-10ng	2	✓	10.0	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	54.6	109.1
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	232.8	93.1
p1 Cal 7-500ng	7	✓	500.0	426.2	85.2
p1 Cal 8-1000ng	8	x	1000.0	751.4	75.1

9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4

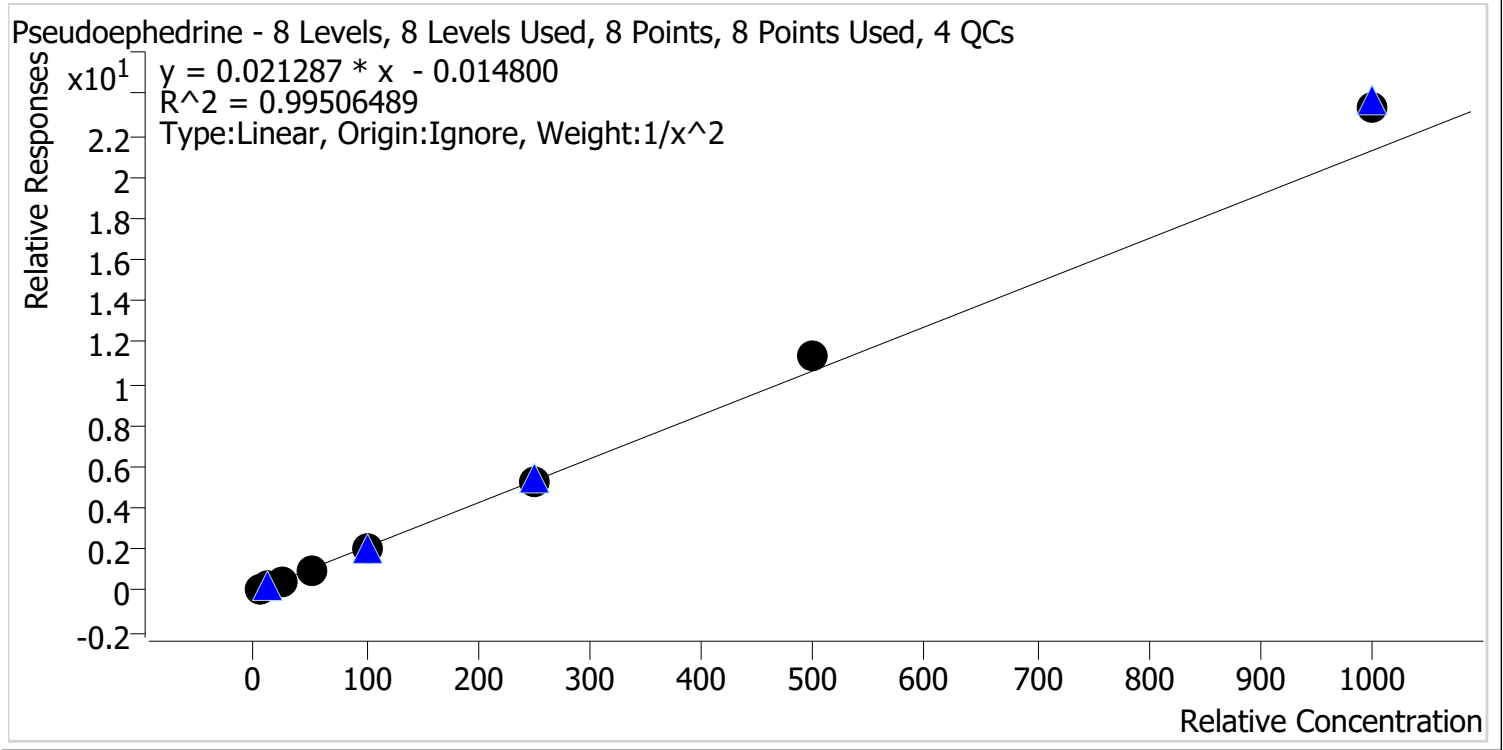


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	48.0	96.1
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	273.2	109.3
p1 Cal 7-500ng	7	x	500.0	660.5	132.1
p1 Cal 8-1000ng	8	x	1000.0	1797.0	179.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

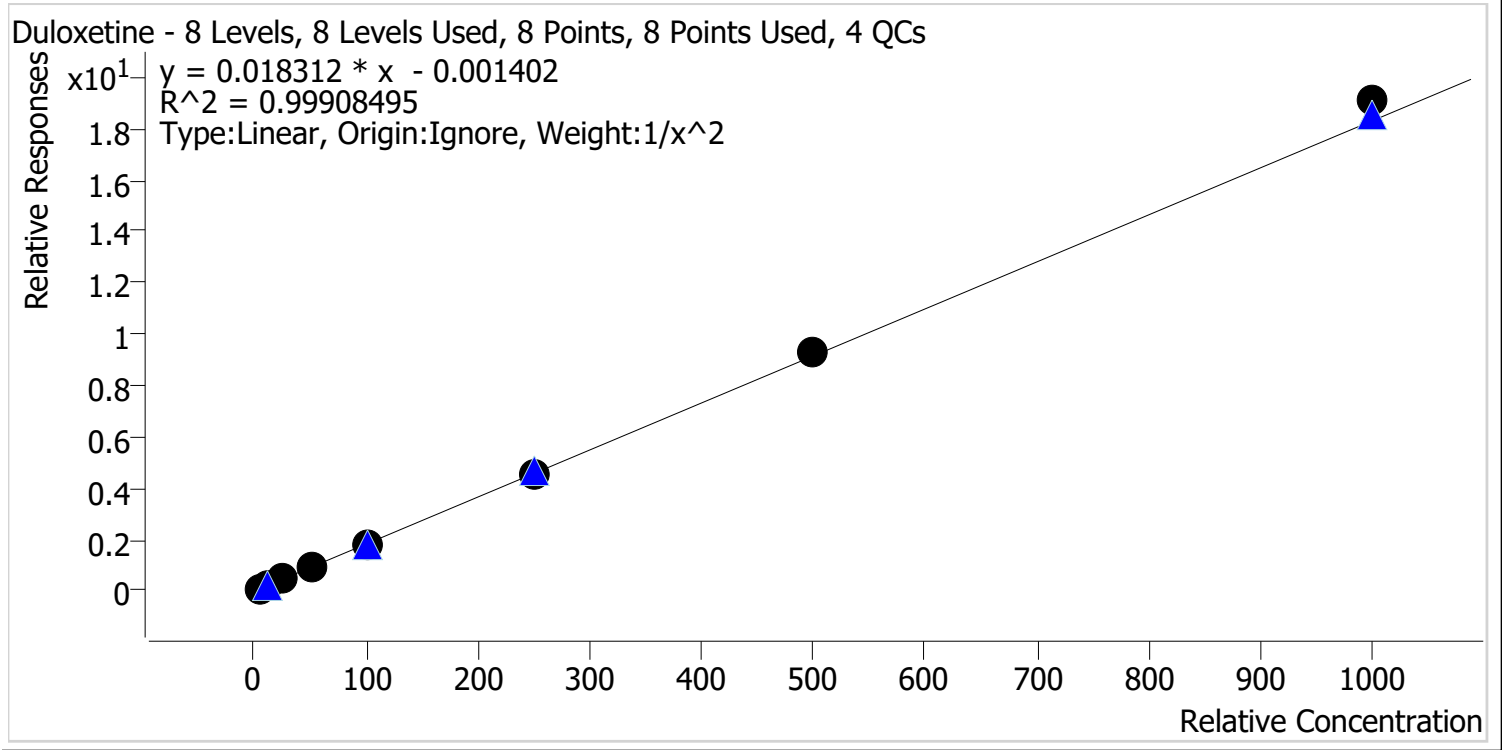


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.8
p1 Cal 4-50ng	4	✓	50.0	46.7	93.5
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	530.9	106.2
p1 Cal 8-1000ng	8	✓	1000.0	1100.6	110.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Duloxetine **Internal Standard** Duloxetine-D3

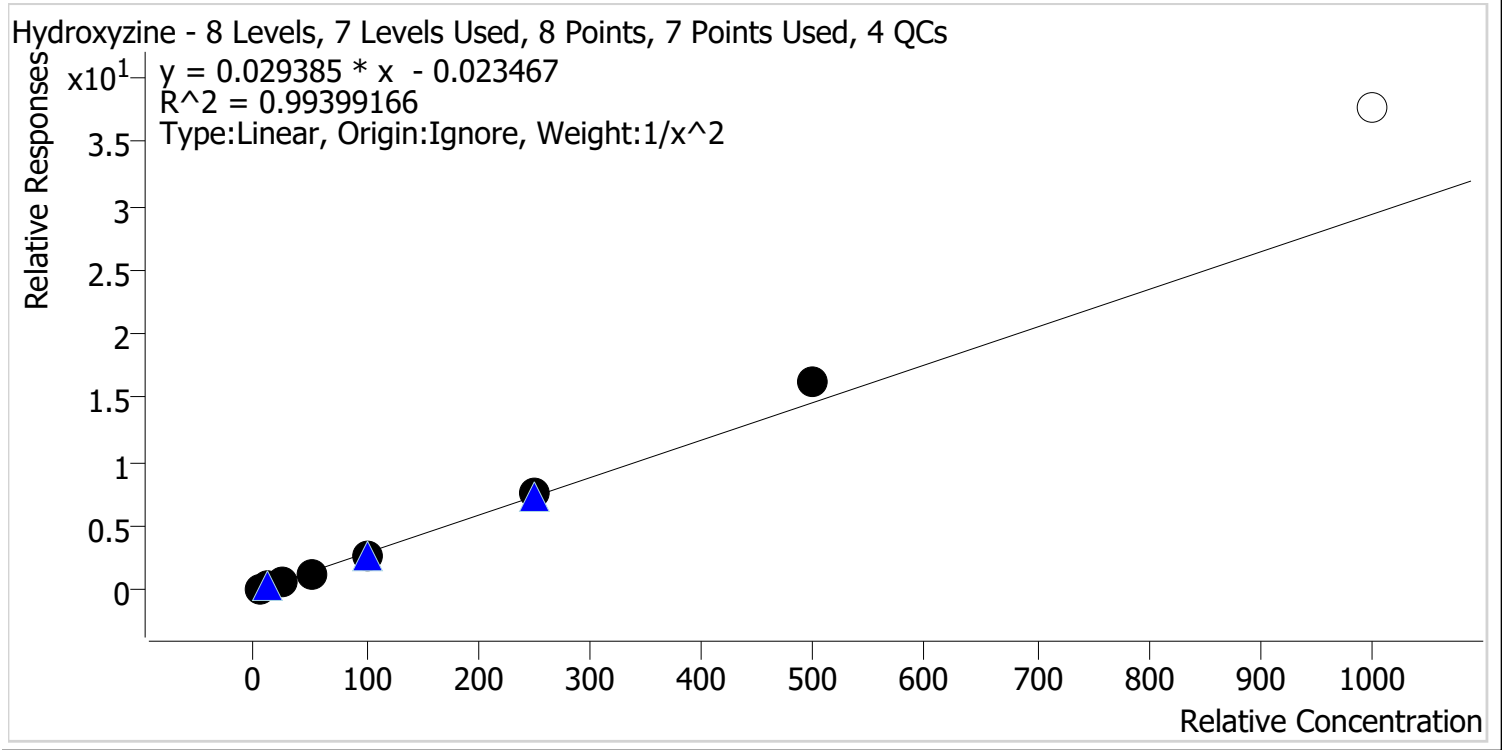


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	48.1	96.3
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	508.4	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1043.1	104.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Hydroxyzine **Internal Standard** Dextromethorphan-D3

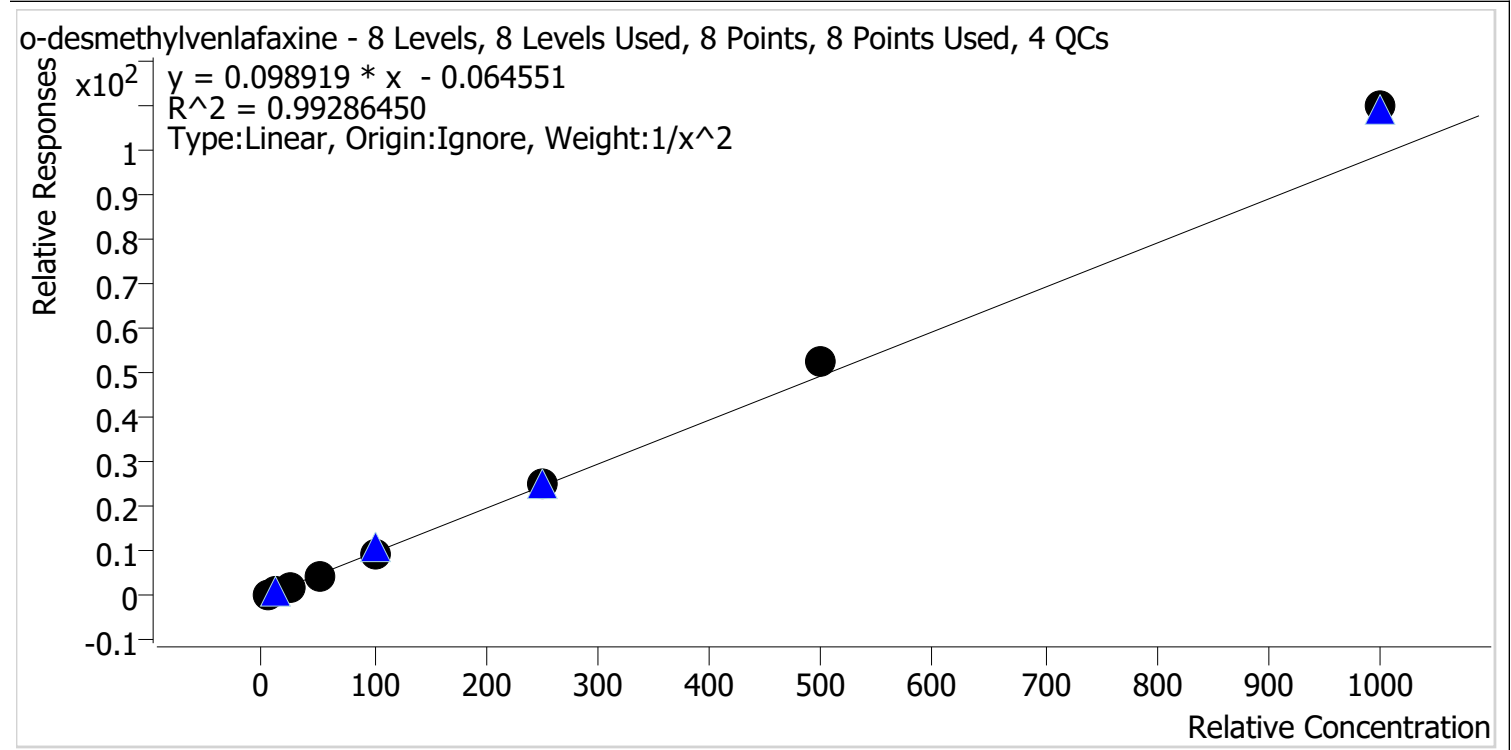


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	95.0	95.0
p1 Cal 6-250ng	6	✓	250.0	259.8	103.9
p1 Cal 7-500ng	7	✓	500.0	558.5	111.7
p1 Cal 8-1000ng	8	✗	1000.0	1283.3	128.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6

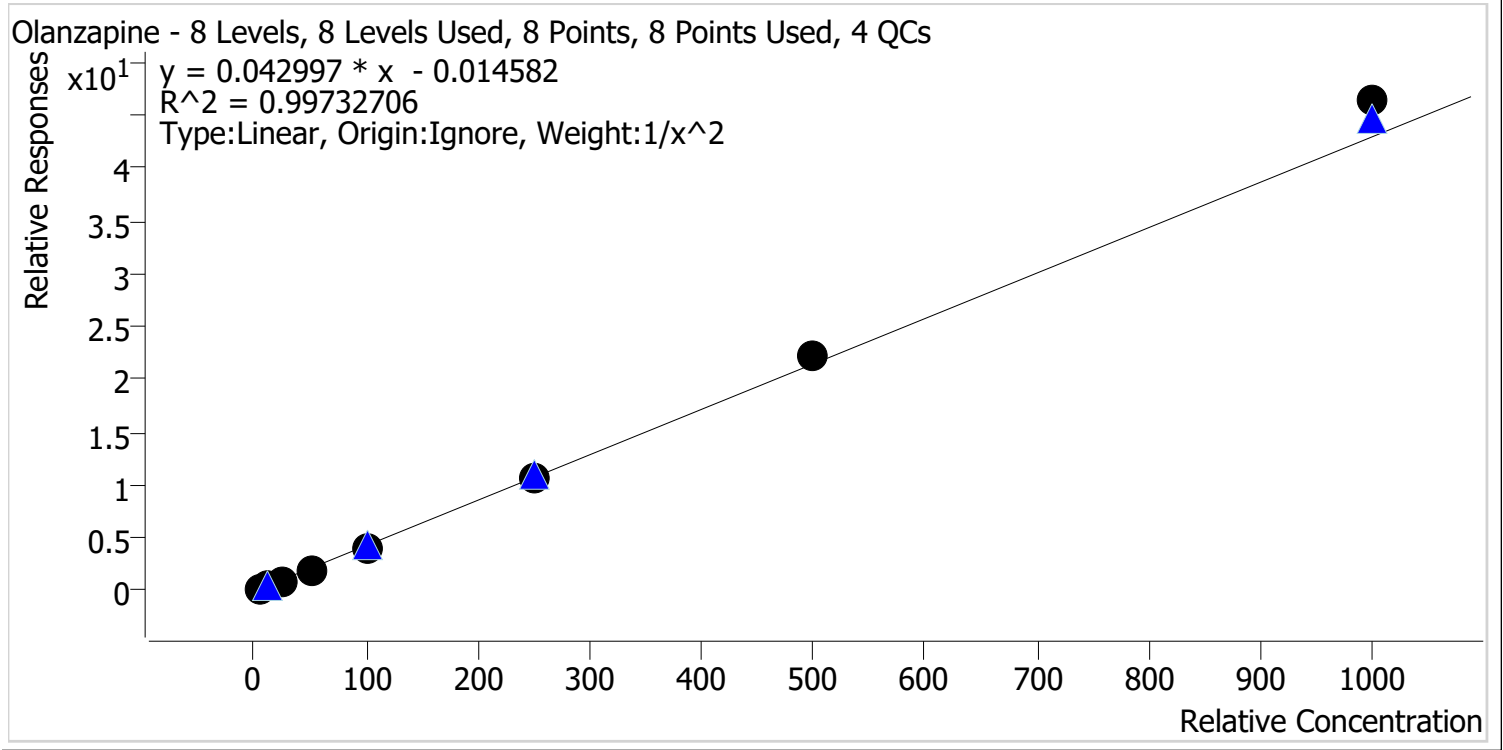


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.5
p1 Cal 2-10ng	2	✓	10.0	9.4	93.8
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.0
p1 Cal 4-50ng	4	✓	50.0	45.9	91.8
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	534.1	106.8
p1 Cal 8-1000ng	8	✓	1000.0	1110.0	111.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Olanzapine **Internal Standard** Olanzapine-D8



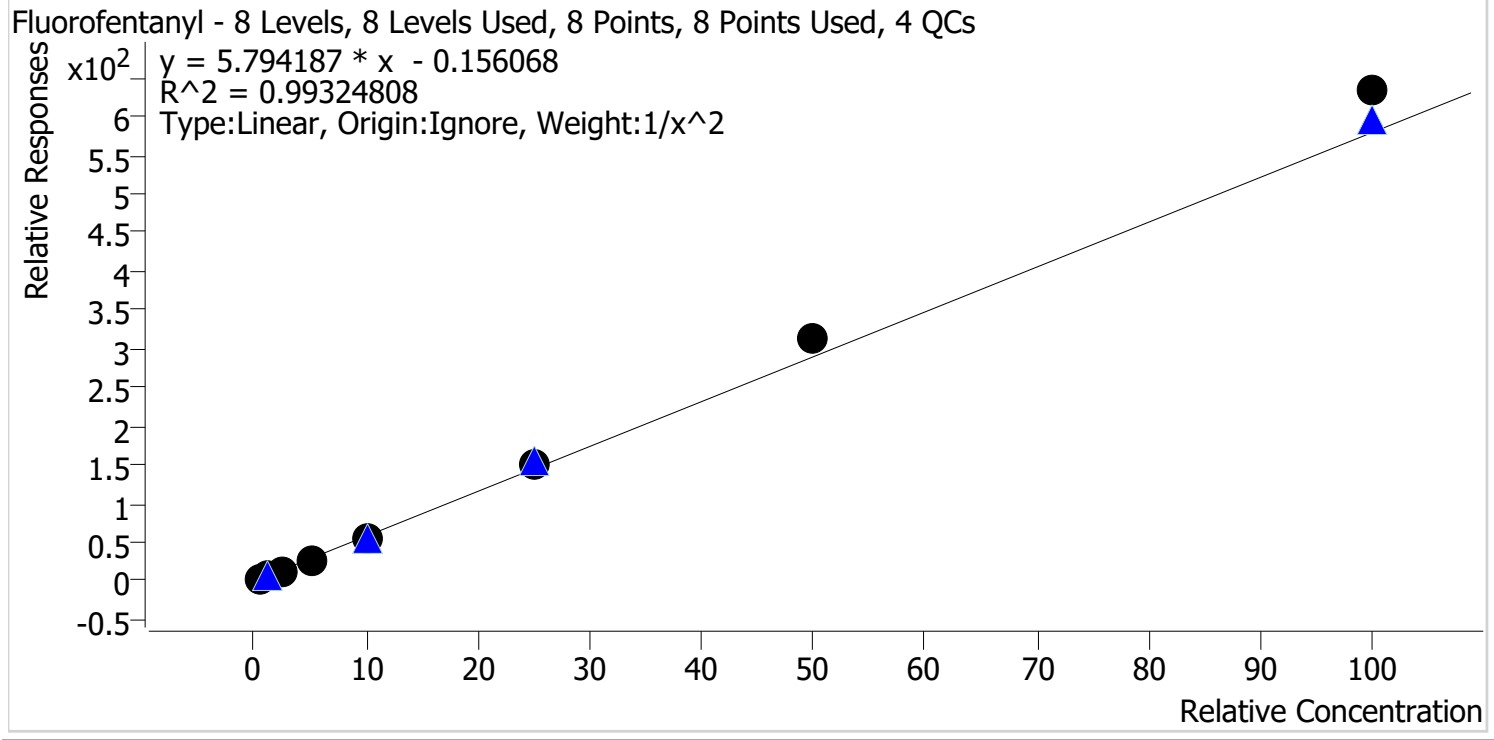
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	48.5	97.1
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	515.0	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1079.8	108.0

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Fluorofentanyl **Internal Standard** Fluorofentanyl-D5



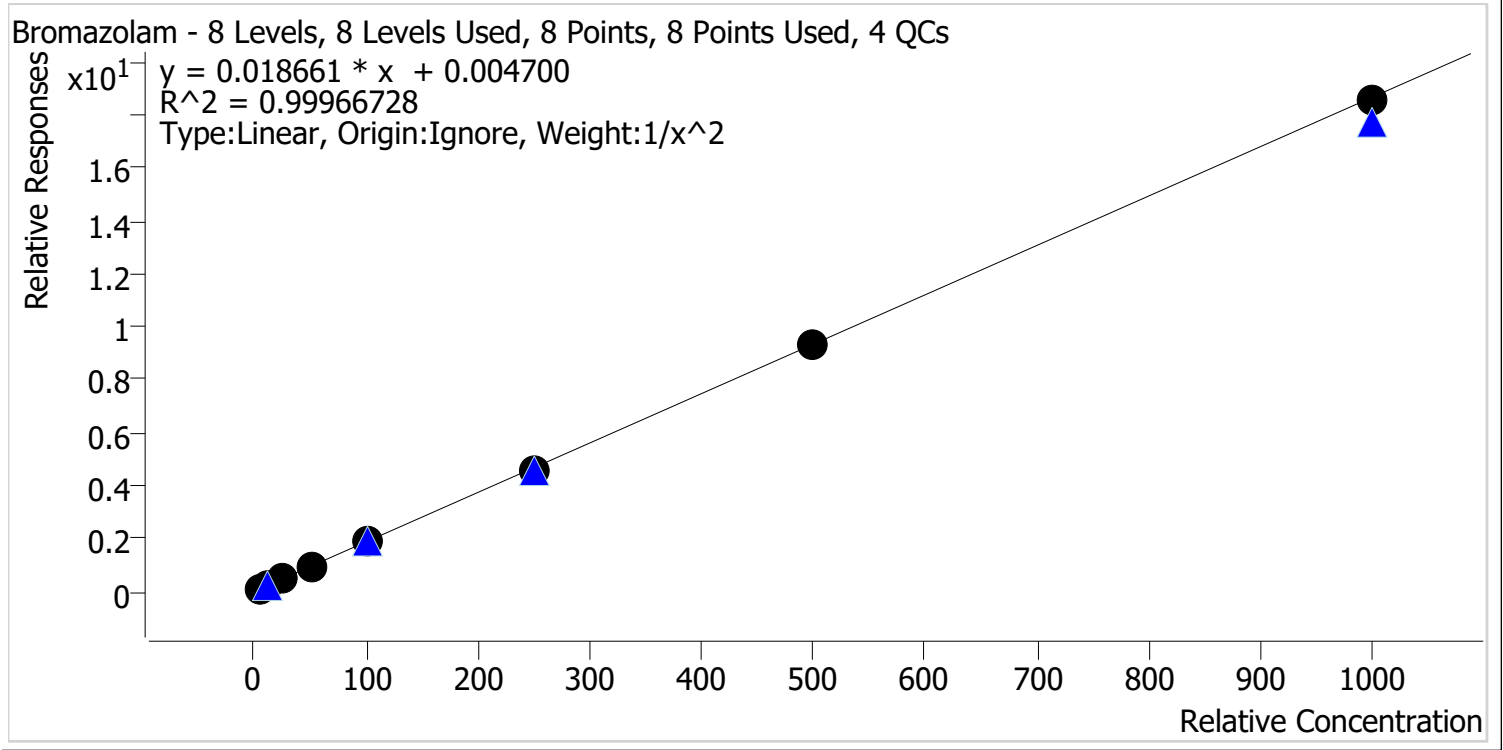
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.3
p1 Cal 2-10ng	2	✓	1.0	1.0	96.1
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.4
p1 Cal 4-50ng	4	✓	5.0	4.5	90.8
p1 Cal 5-100ng	5	✓	10.0	9.4	94.3
p1 Cal 6-250ng	6	✓	25.0	26.0	104.1
p1 Cal 7-500ng	7	✓	50.0	53.9	107.8
p1 Cal 8-1000ng	8	✓	100.0	109.3	109.3

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Bromazolam **Internal Standard** Bromazolam-D5



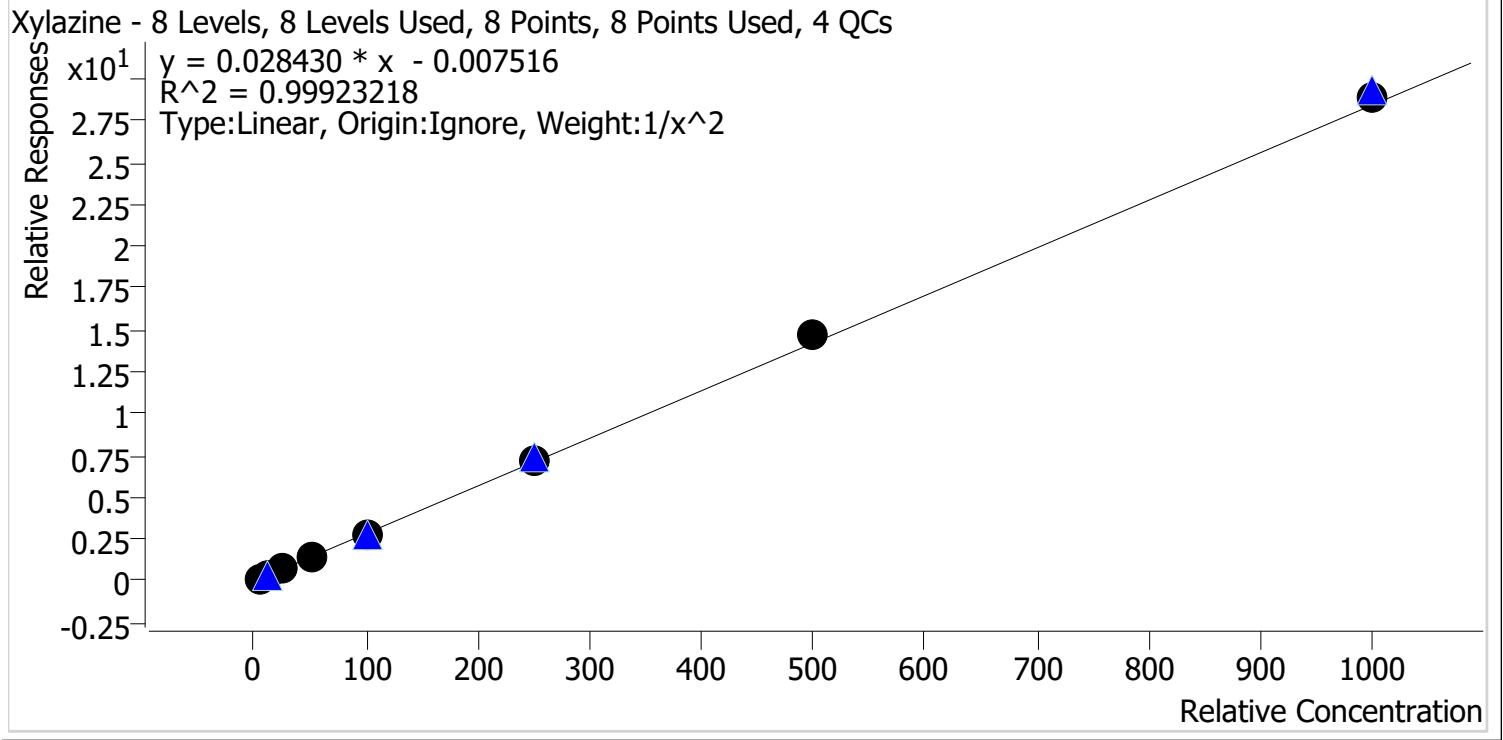
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.8
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	247.1	98.9
p1 Cal 7-500ng	7	✓	500.0	496.5	99.3
p1 Cal 8-1000ng	8	✓	1000.0	993.3	99.3

Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Xylazine **Internal Standard** Xylanzine-D6



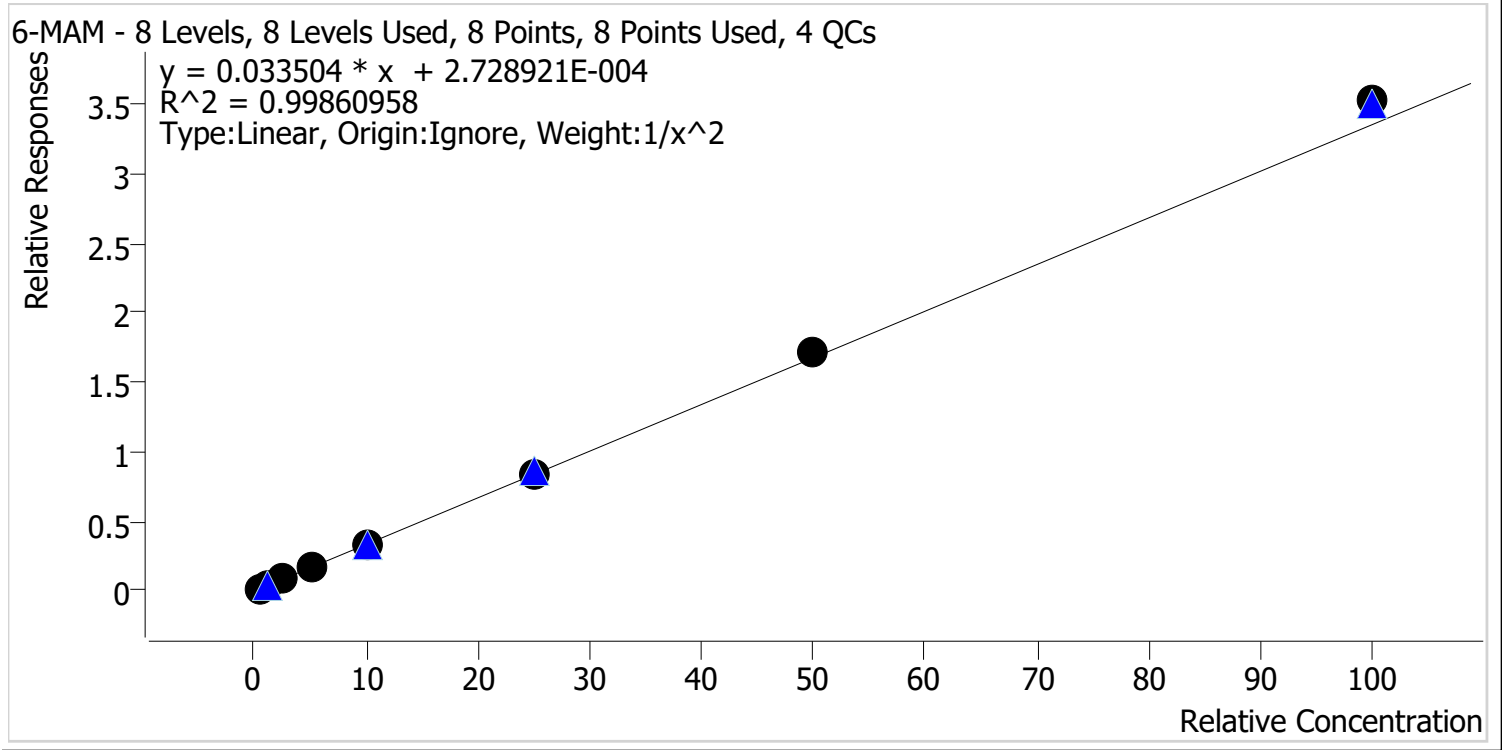
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	517.7	103.5
p1 Cal 8-1000ng	8	✓	1000.0	1015.3	101.5

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6



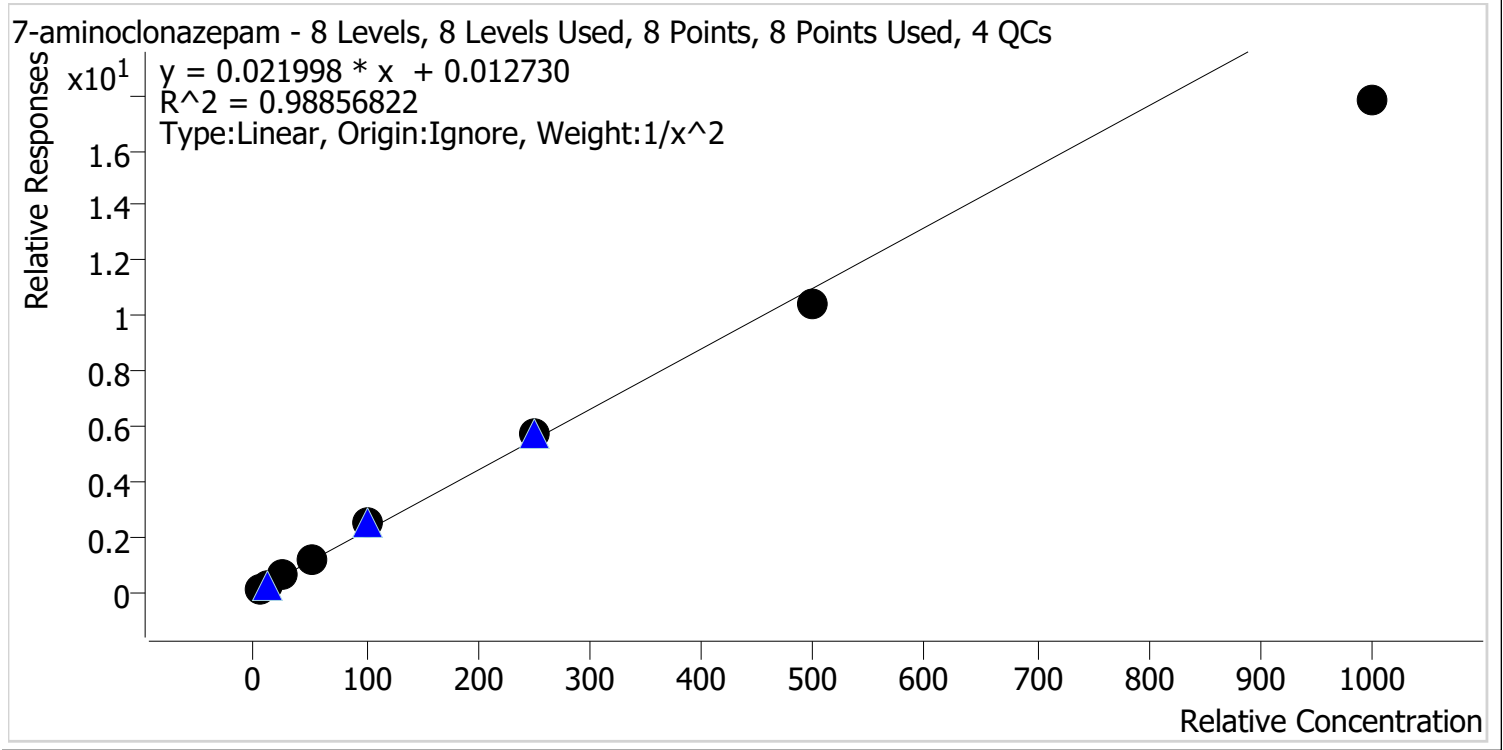
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.7
p1 Cal 2-10ng	2	✓	1.0	1.0	99.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.6
p1 Cal 4-50ng	4	✓	5.0	4.8	96.0
p1 Cal 5-100ng	5	✓	10.0	9.9	99.0
p1 Cal 6-250ng	6	✓	25.0	25.3	101.3
p1 Cal 7-500ng	7	✓	50.0	51.1	102.1
p1 Cal 8-1000ng	8	✓	100.0	105.2	105.2

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



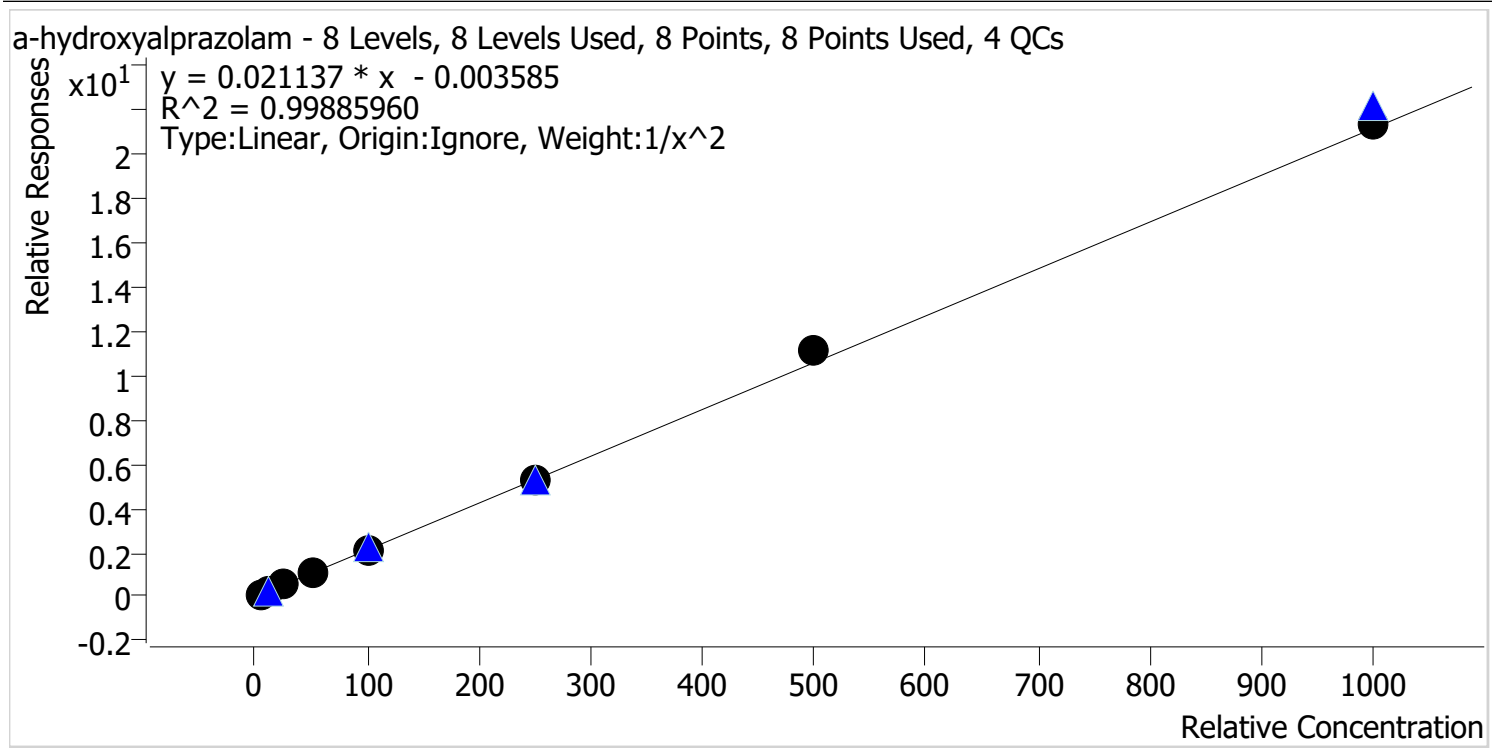
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	111.5	111.5
p1 Cal 6-250ng	6	✓	250.0	259.8	103.9
p1 Cal 7-500ng	7	✓	500.0	473.1	94.6
p1 Cal 8-1000ng	8	✓	1000.0	808.7	80.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



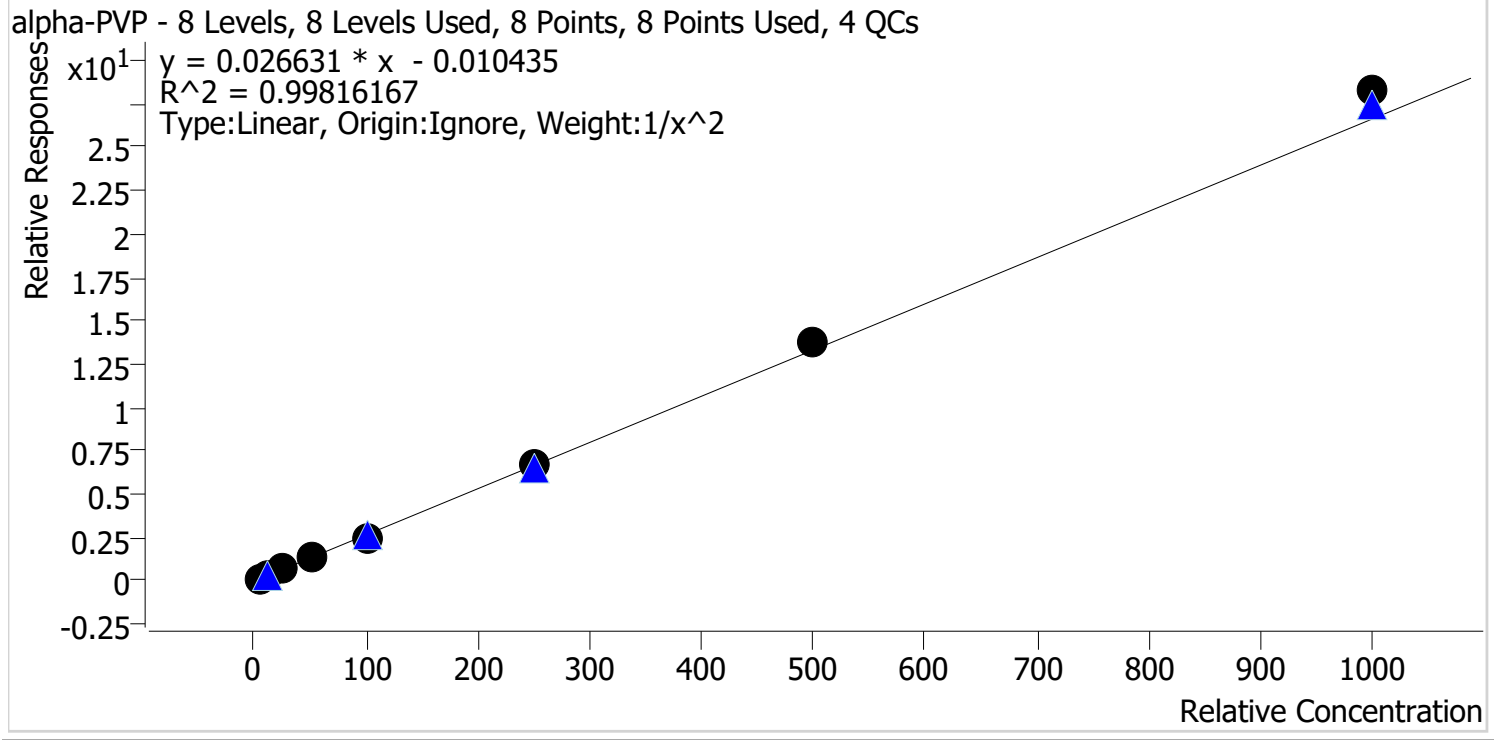
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	528.8	105.8
p1 Cal 8-1000ng	8	✓	1000.0	1008.2	100.8

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	48.6	97.3
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	520.7	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1061.5	106.1

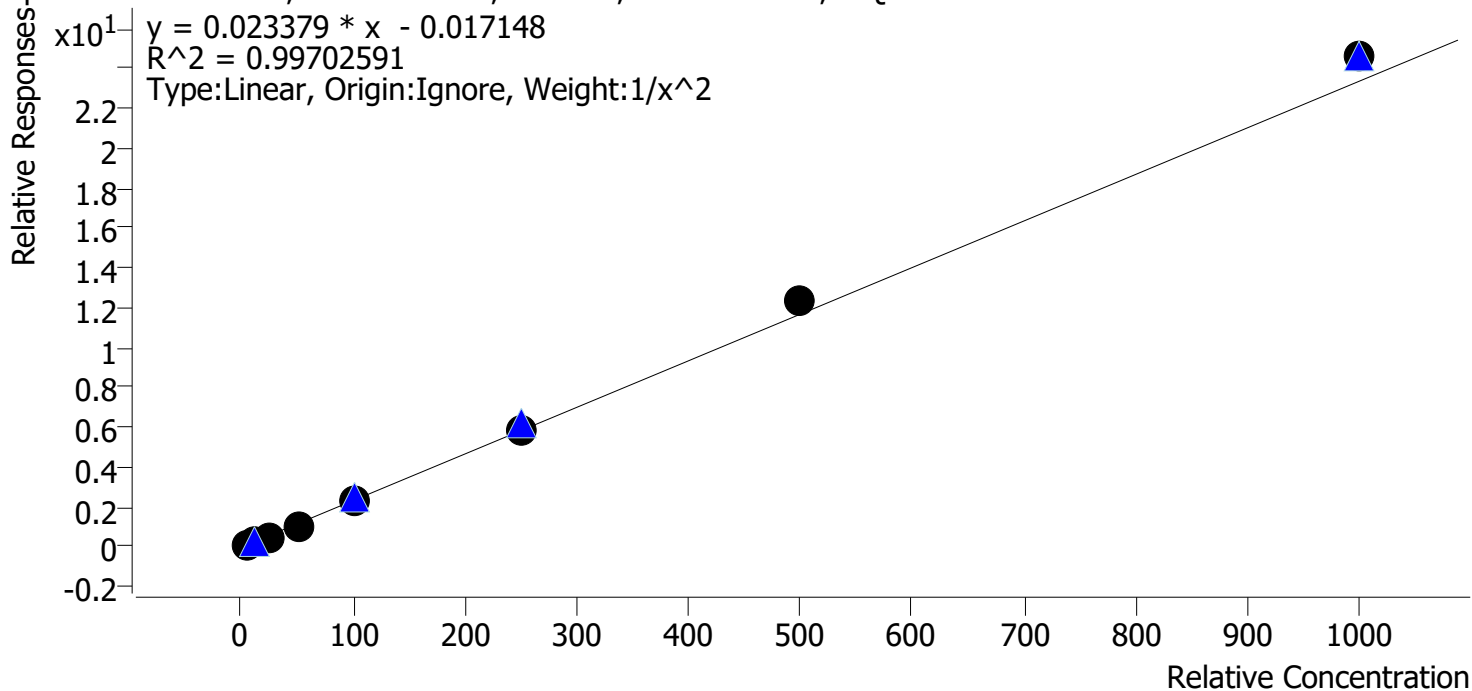
5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 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	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	47.2	94.5
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	525.6	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1052.4	105.2

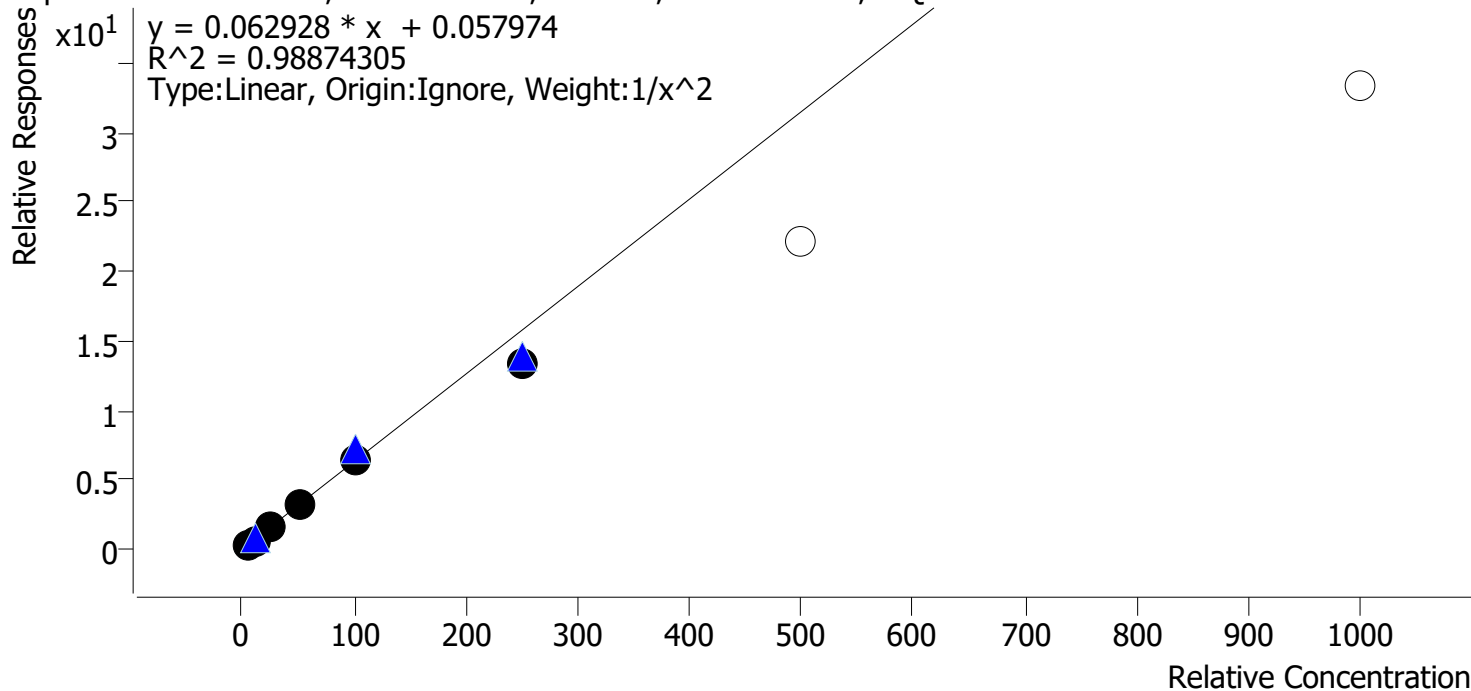
cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



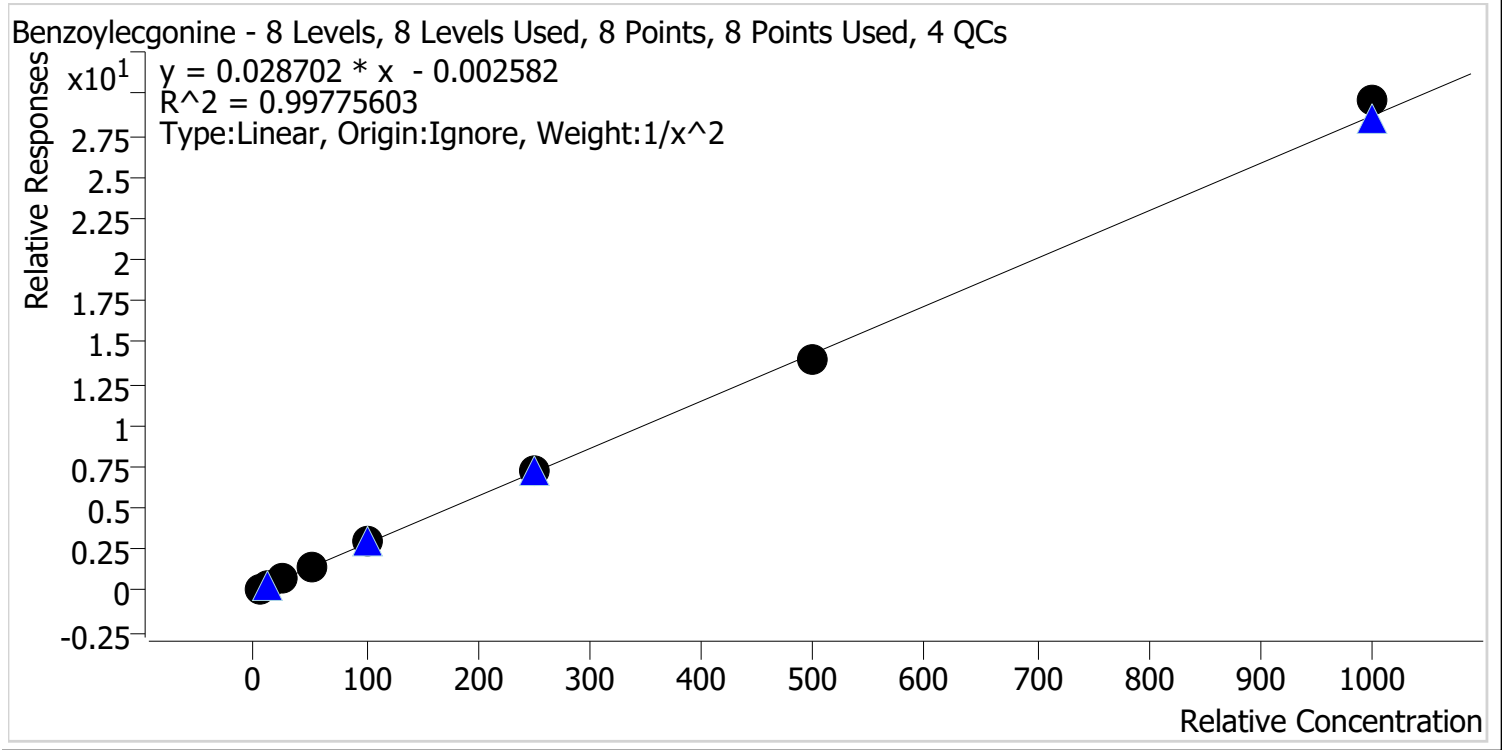
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.5
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	210.5	84.2
p1 Cal 7-500ng	7	x	500.0	353.0	70.6
p1 Cal 8-1000ng	8	x	1000.0	528.6	52.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

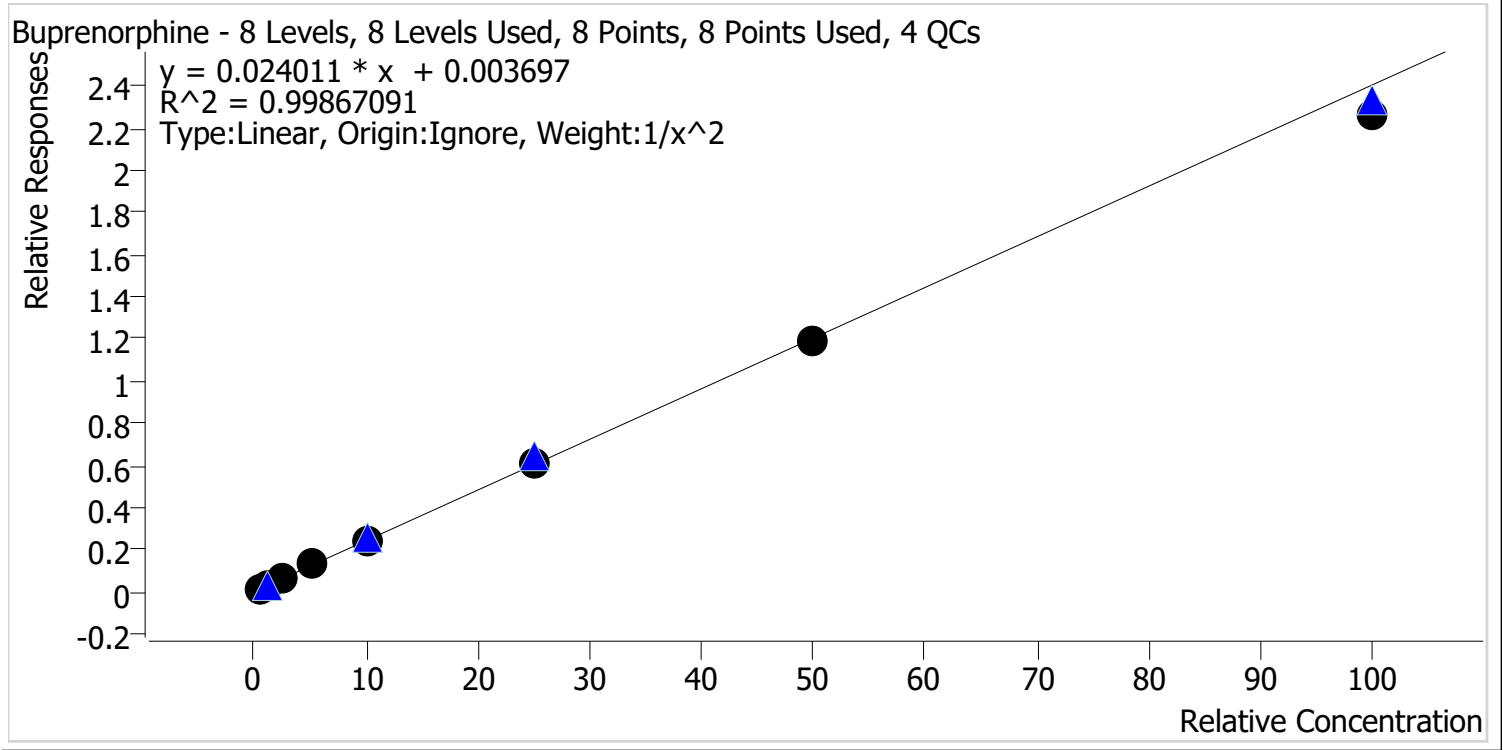


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.3
p1 Cal 2-10ng	2	✓	10.0	9.2	91.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	256.8	102.7
p1 Cal 7-500ng	7	✓	500.0	486.2	97.2
p1 Cal 8-1000ng	8	✓	1000.0	1032.0	103.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



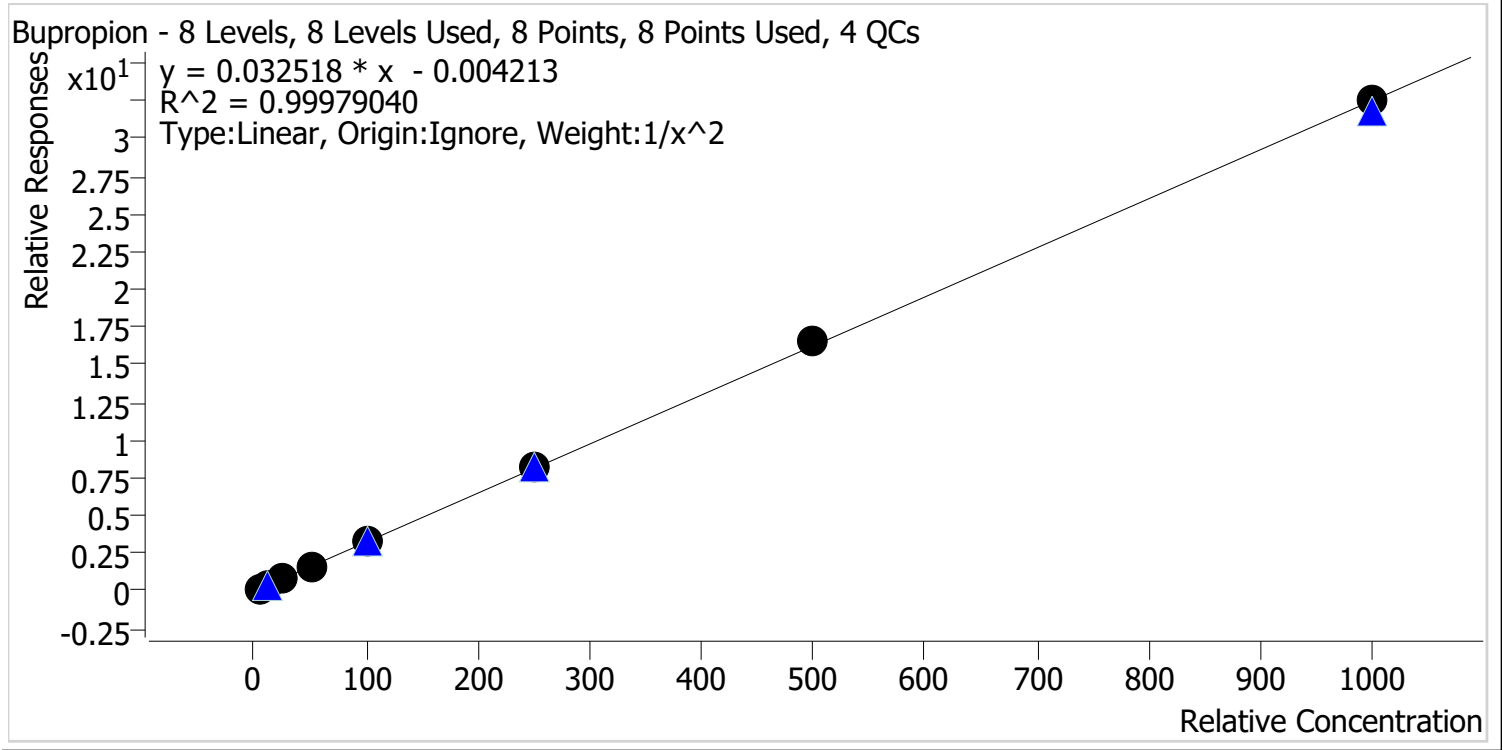
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.4
p1 Cal 2-10ng	2	✓	1.0	1.0	100.4
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.4
p1 Cal 4-50ng	4	✓	5.0	5.3	105.2
p1 Cal 5-100ng	5	✓	10.0	10.1	101.2
p1 Cal 6-250ng	6	✓	25.0	25.4	101.6
p1 Cal 7-500ng	7	✓	50.0	49.5	98.9
p1 Cal 8-1000ng	8	✓	100.0	93.9	93.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



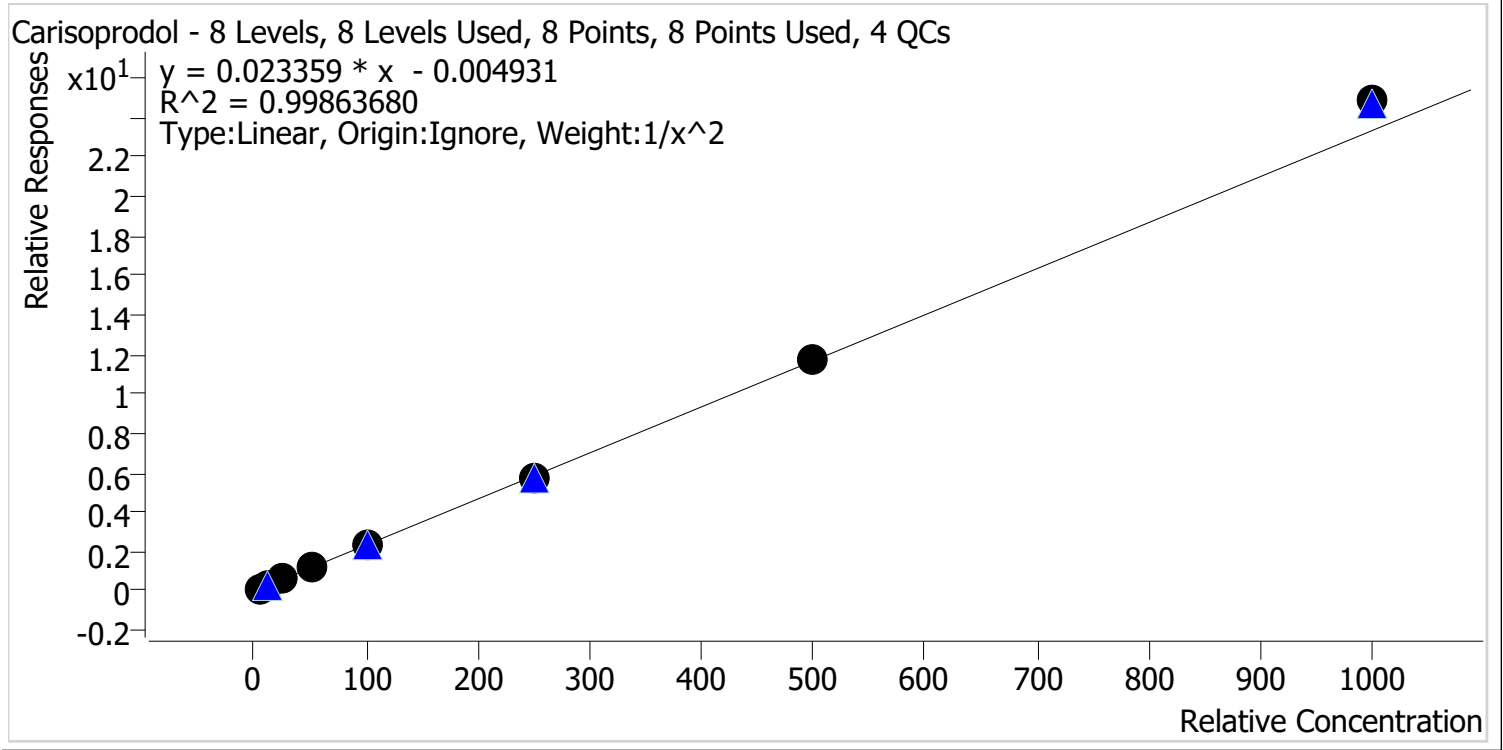
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	508.5	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1000.2	100.0

Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



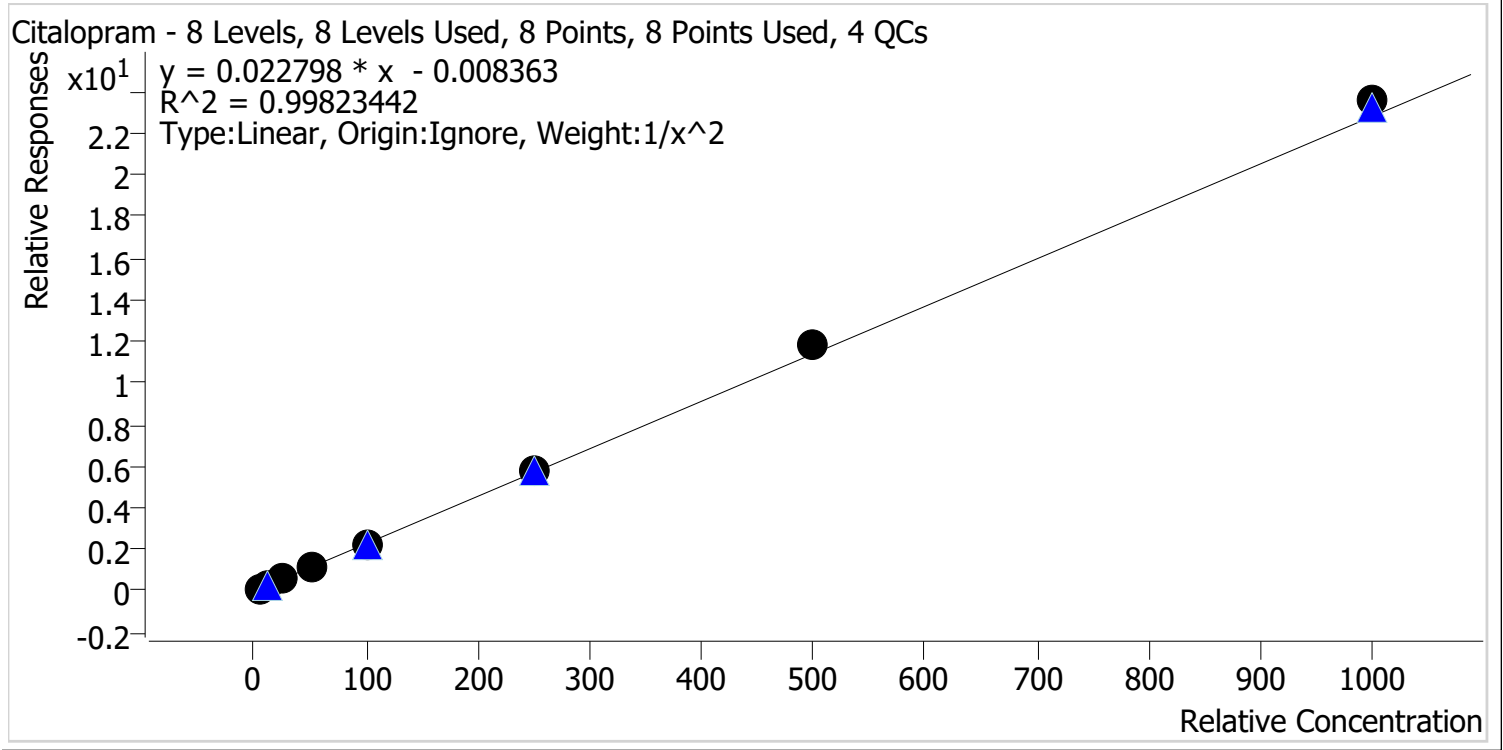
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.8
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	505.1	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1065.1	106.5

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

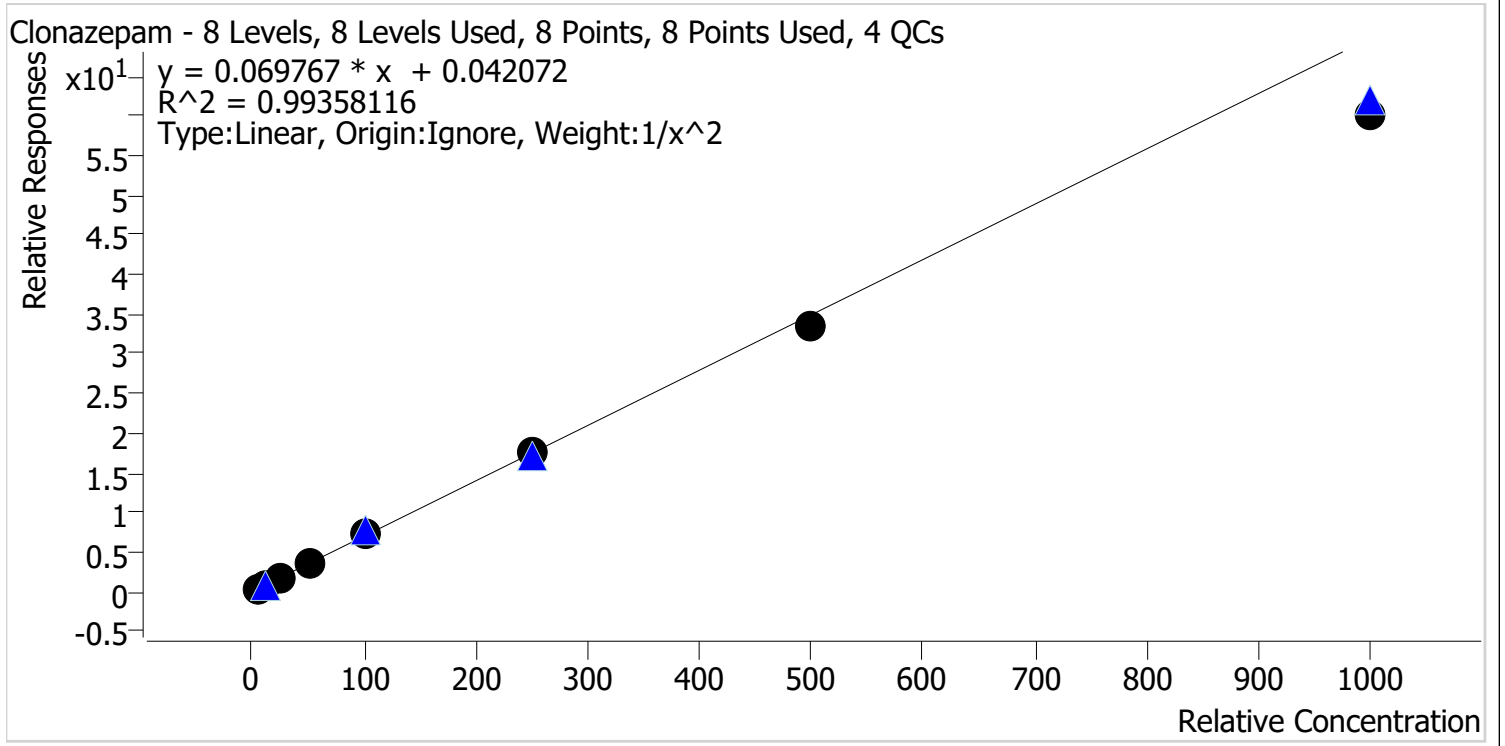


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.5	95.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	256.8	102.7
p1 Cal 7-500ng	7	✓	500.0	517.3	103.5
p1 Cal 8-1000ng	8	✓	1000.0	1033.4	103.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



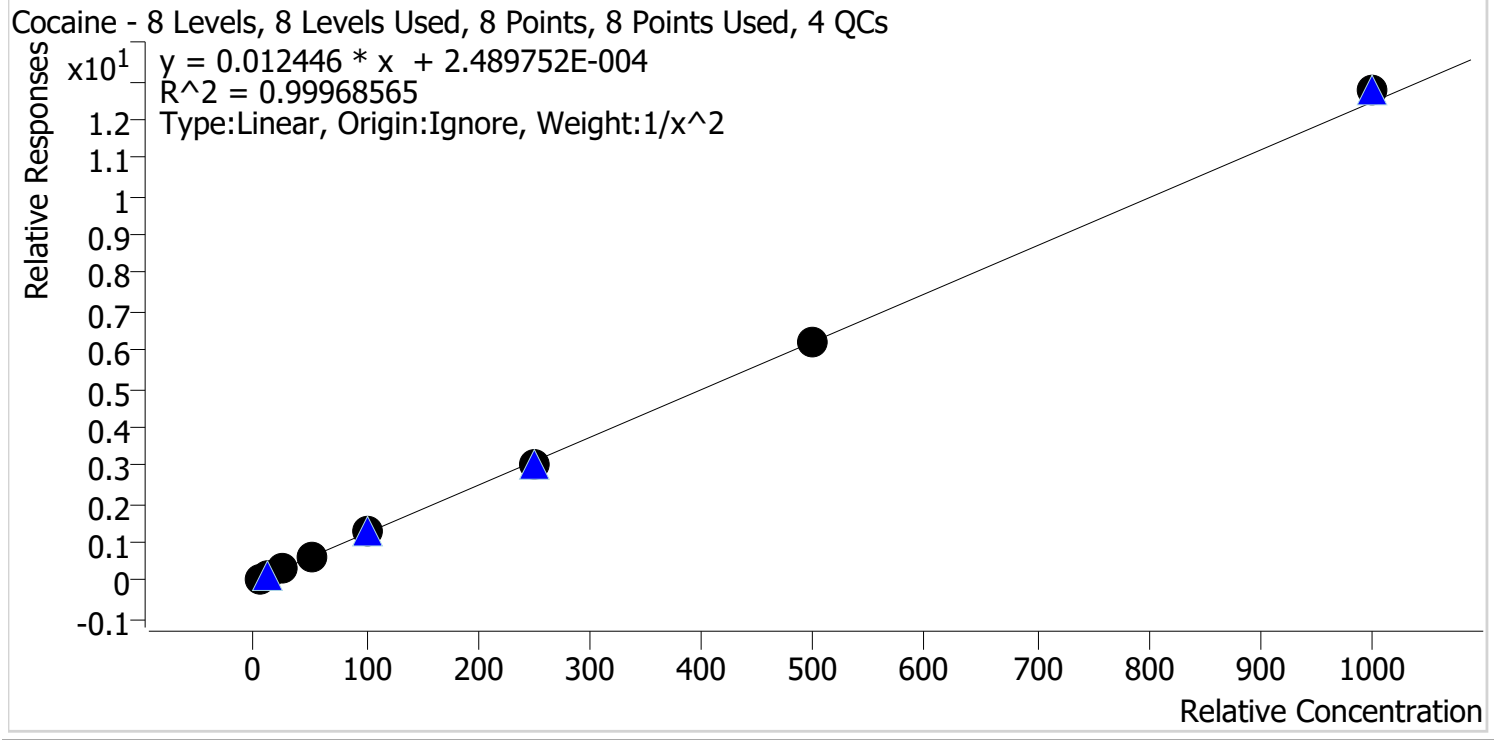
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	476.8	95.4
p1 Cal 8-1000ng	8	✓	1000.0	862.8	86.3

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-D3

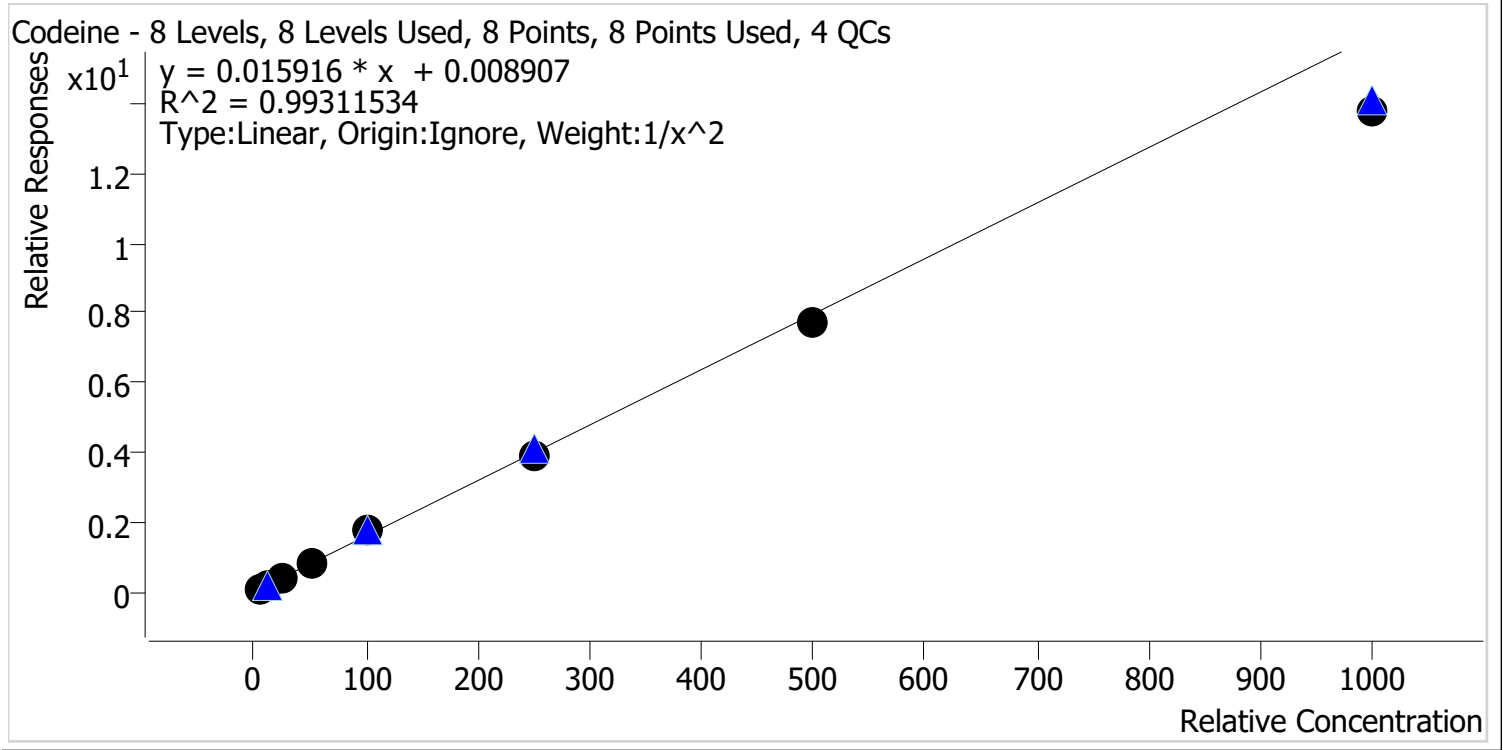


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	244.2	97.7
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1022.5	102.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Codeine **Internal Standard** Codeine-D6

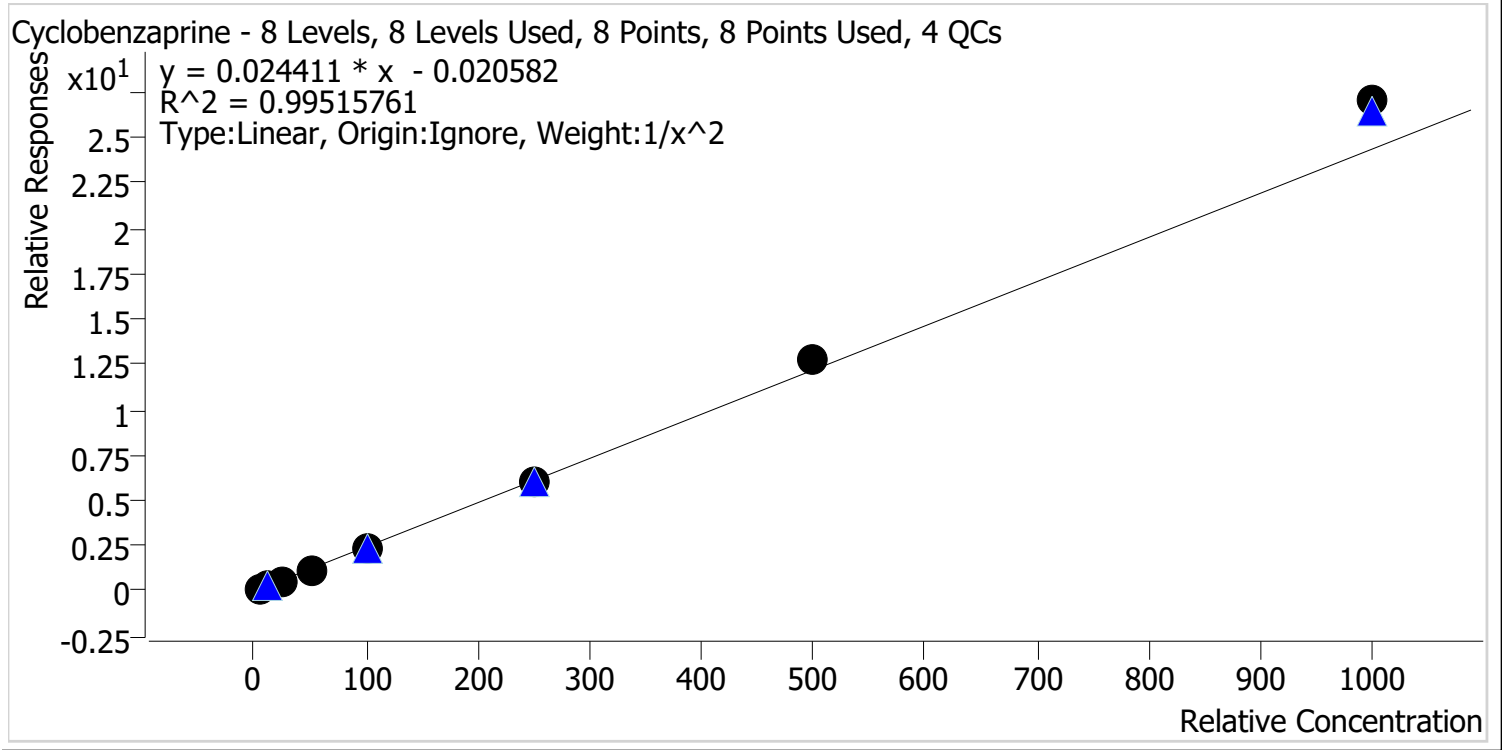


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.6
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	109.8	109.8
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	483.7	96.7
p1 Cal 8-1000ng	8	✓	1000.0	864.1	86.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.8
p1 Cal 4-50ng	4	✓	50.0	46.8	93.6
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	519.8	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1109.7	111.0

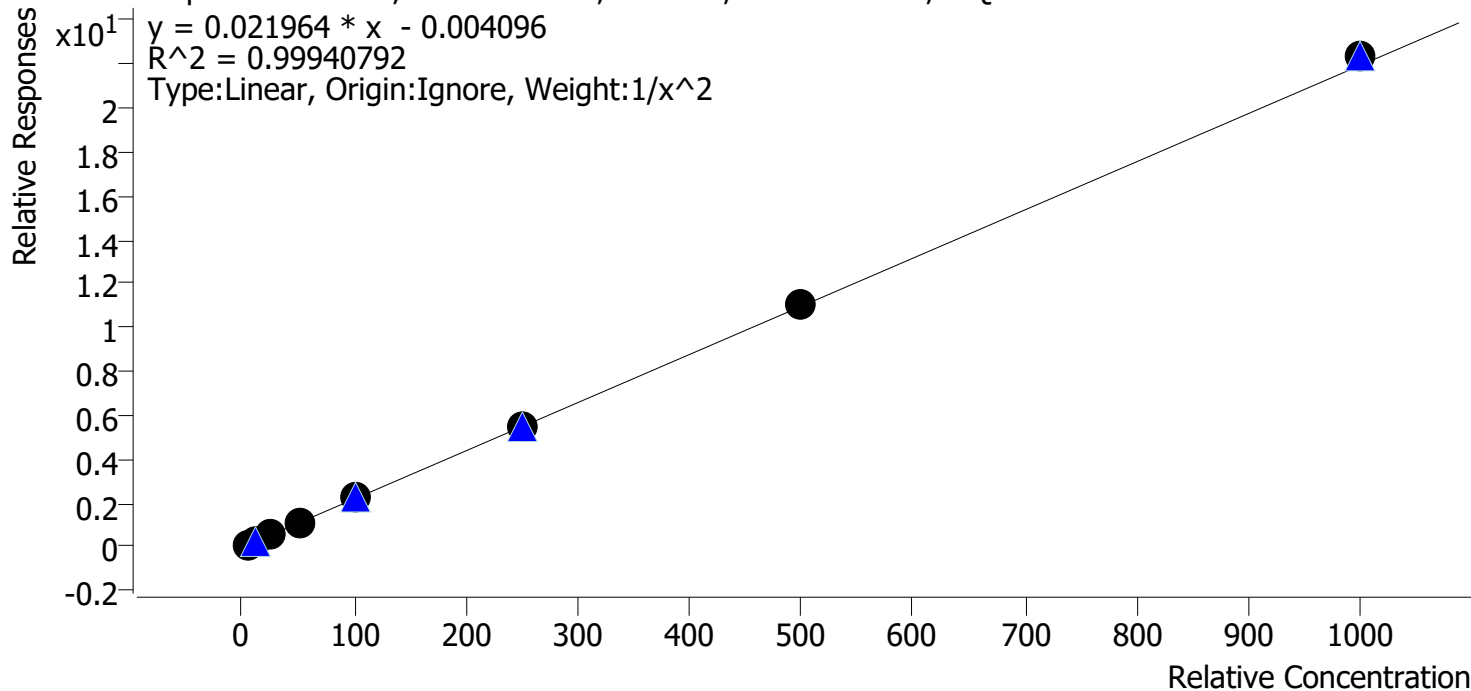
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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

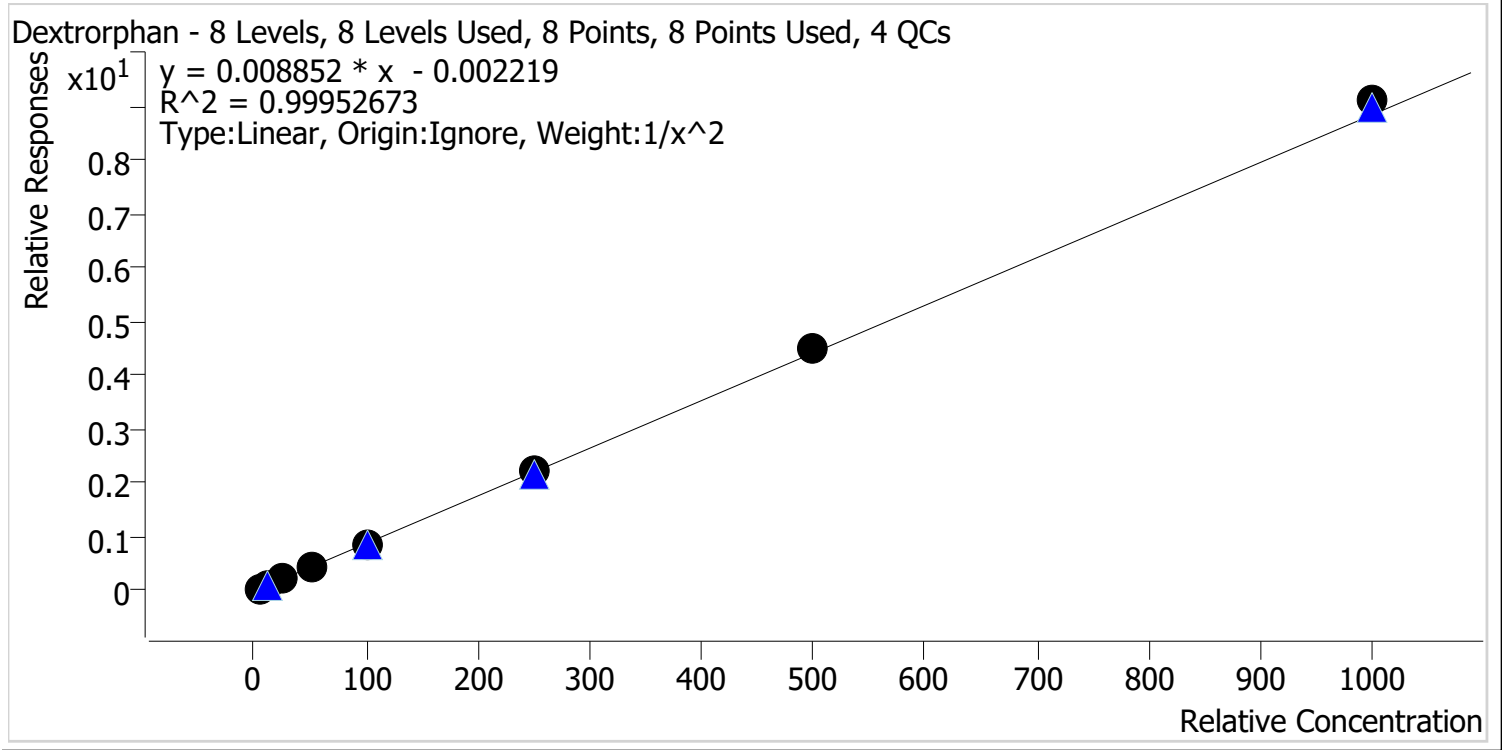


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.6	95.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	502.0	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1016.4	101.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

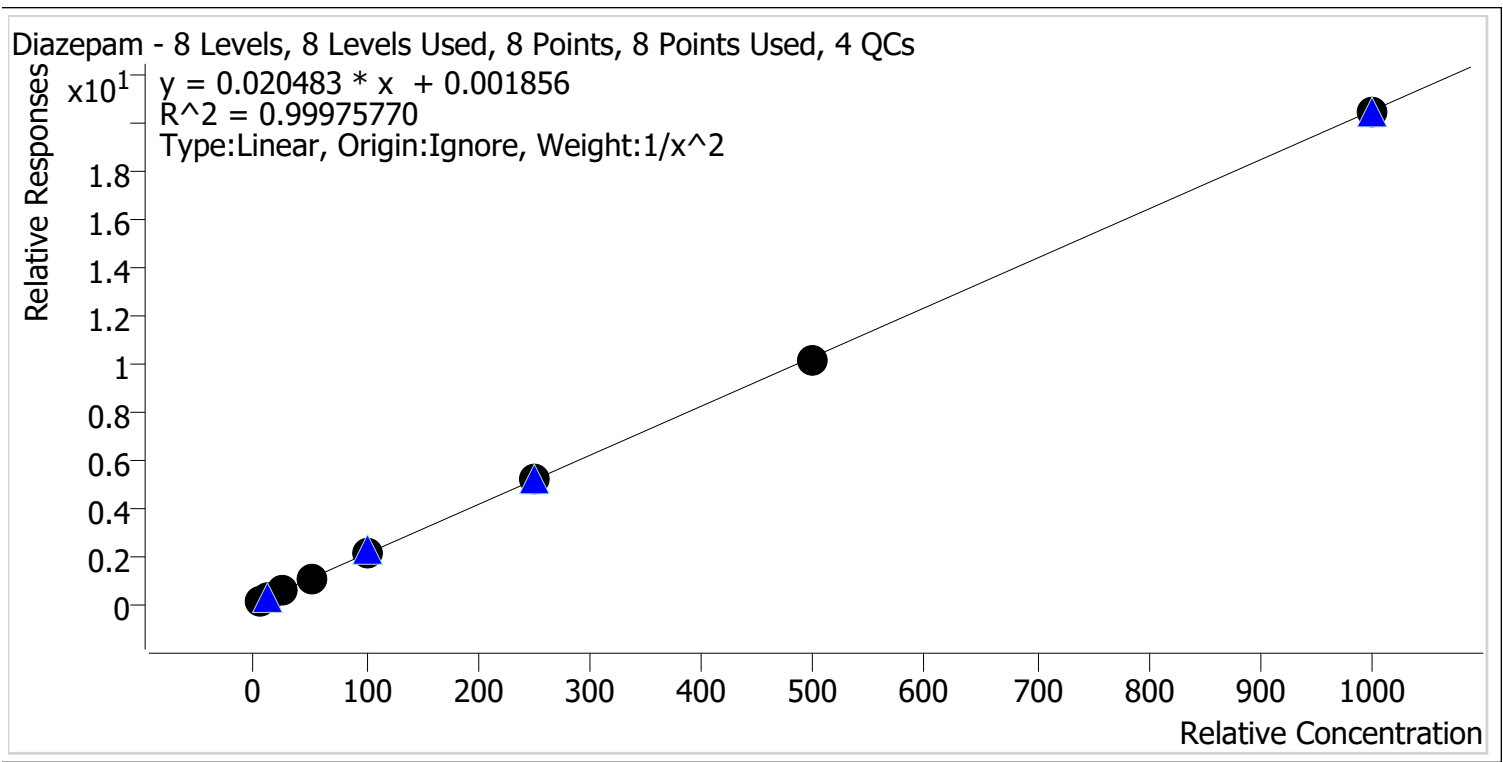


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	48.7	97.5
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	510.1	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1029.8	103.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



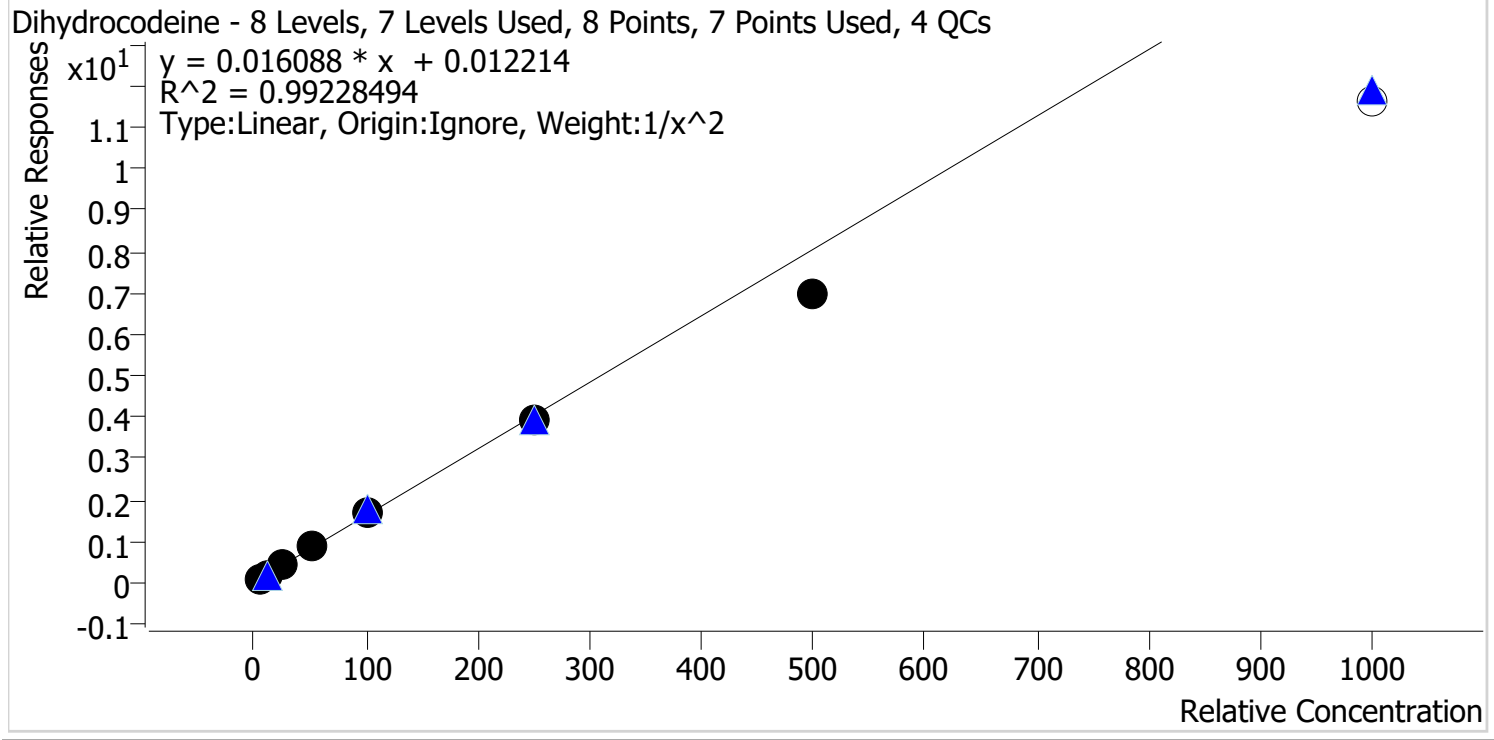
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	250.4	100.1
p1 Cal 7-500ng	7	✓	500.0	489.1	97.8
p1 Cal 8-1000ng	8	✓	1000.0	995.8	99.6

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

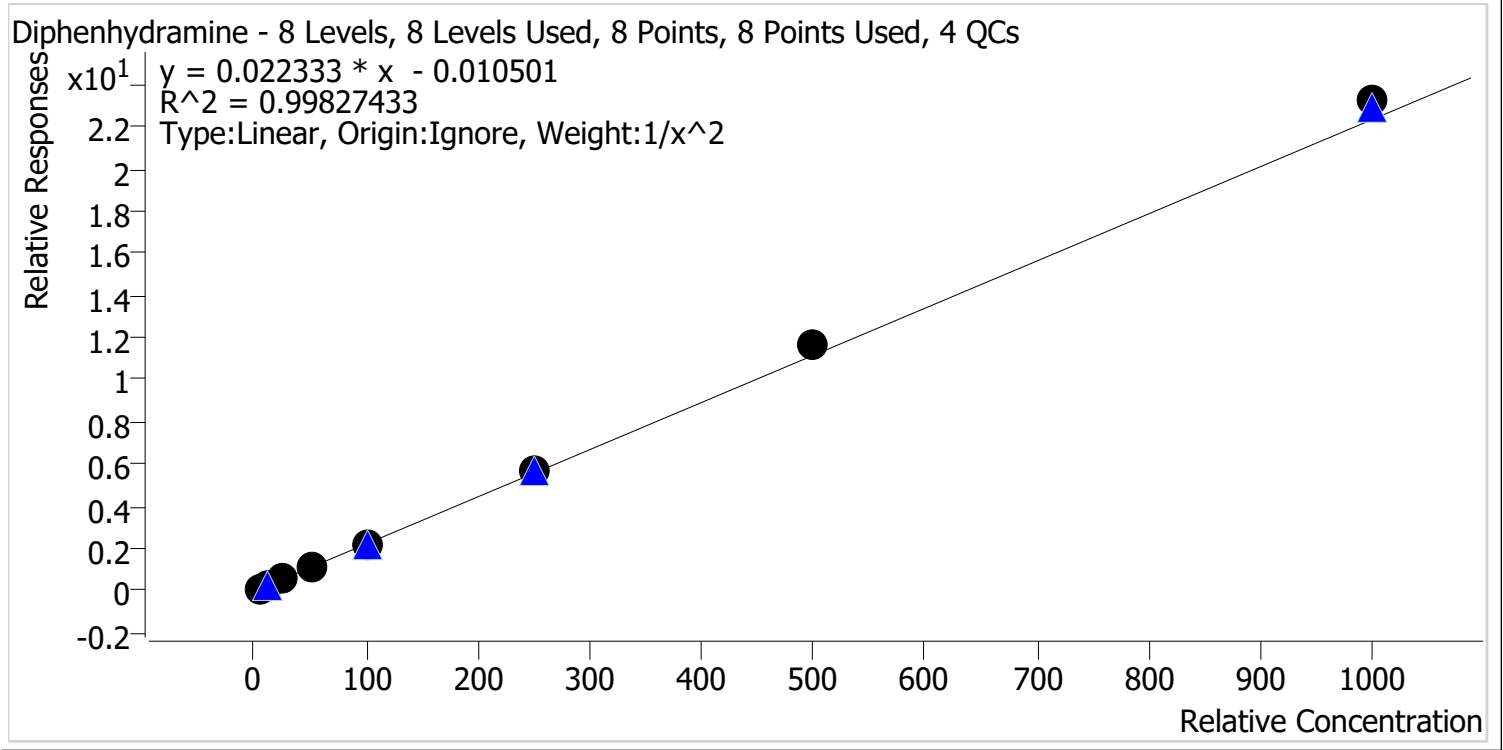


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.3
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	241.6	96.6
p1 Cal 7-500ng	7	✓	500.0	431.2	86.2
p1 Cal 8-1000ng	8	✗	1000.0	720.1	72.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

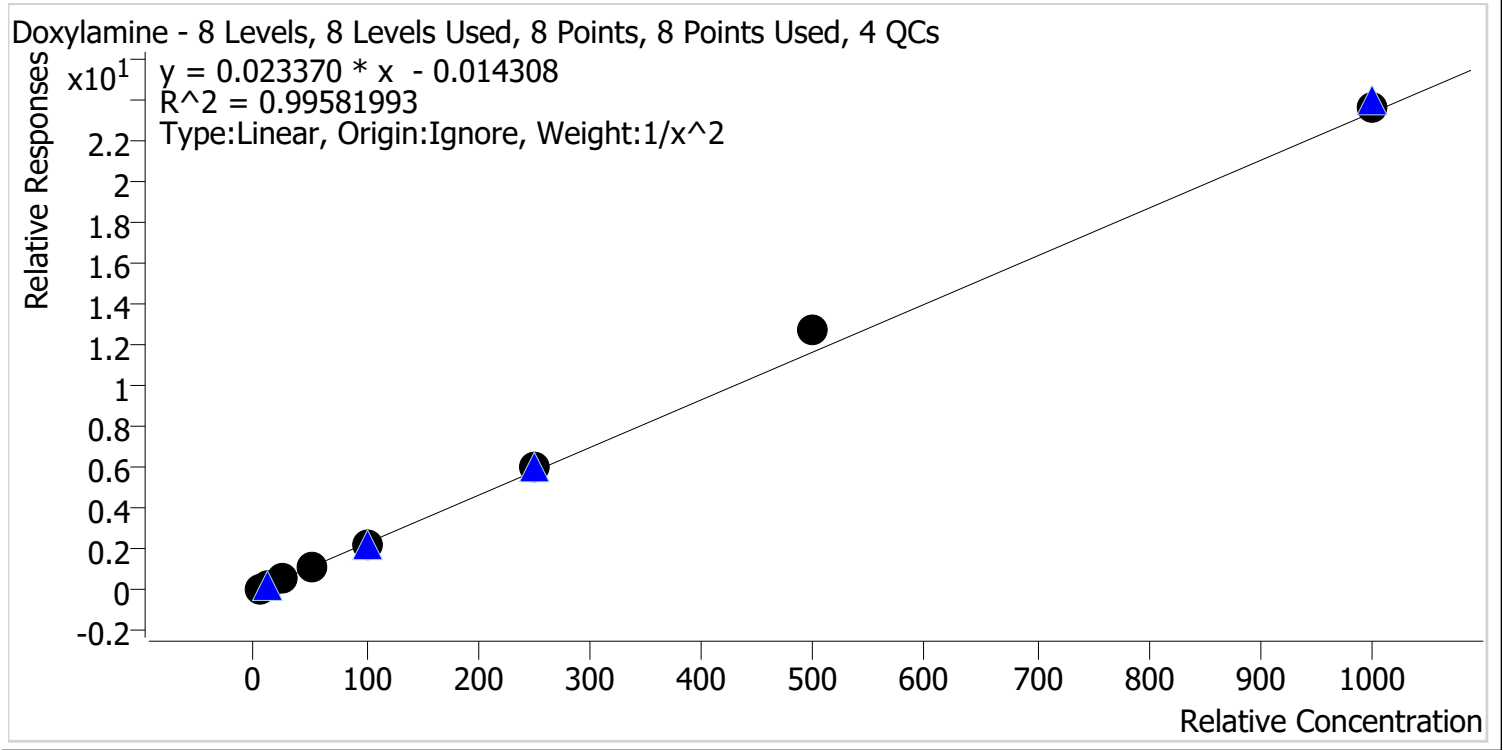


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	518.9	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1040.2	104.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



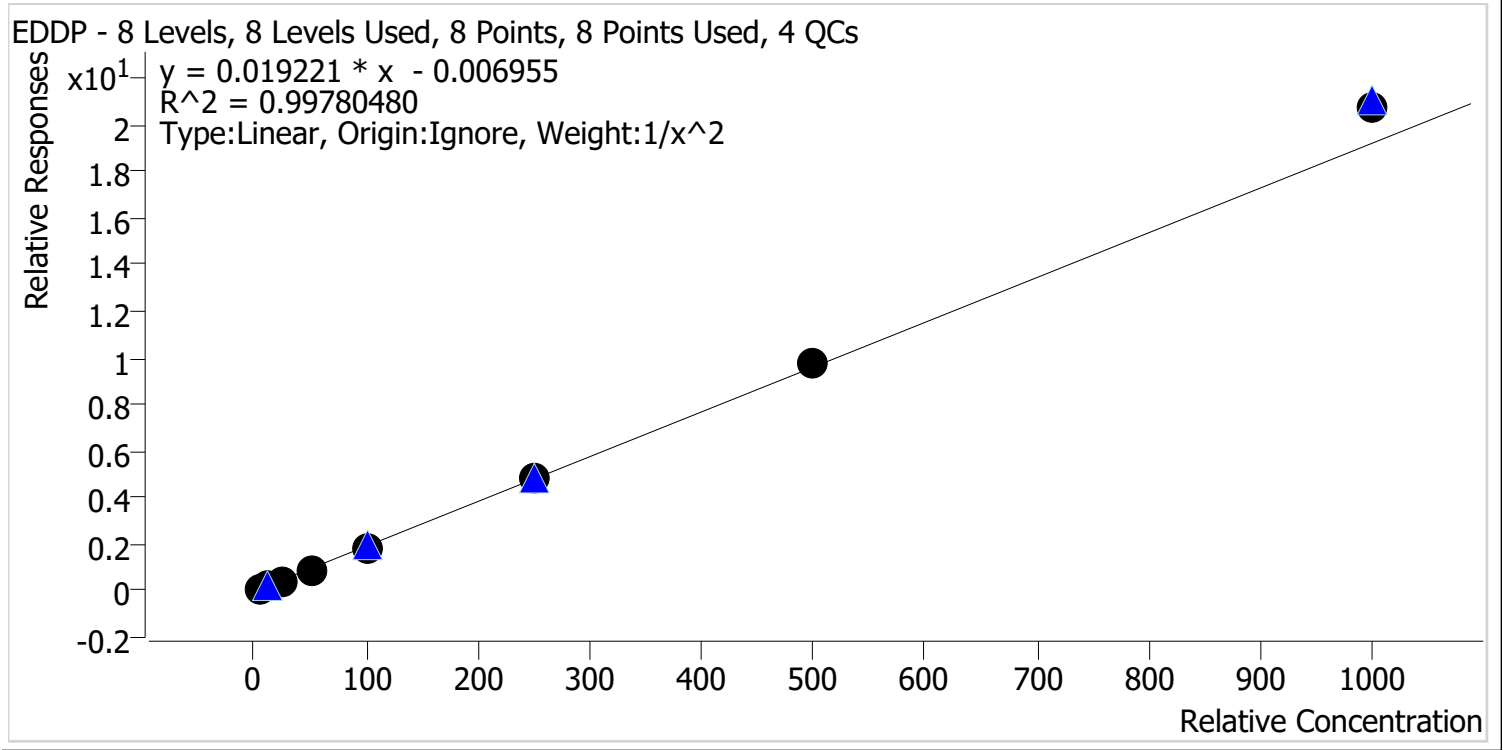
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.3
p1 Cal 2-10ng	2	✓	10.0	9.5	94.7
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.8
p1 Cal 4-50ng	4	✓	50.0	47.2	94.4
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	258.6	103.4
p1 Cal 7-500ng	7	✓	500.0	547.2	109.4
p1 Cal 8-1000ng	8	✓	1000.0	1014.0	101.4

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 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	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.6	95.7
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	508.9	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1078.4	107.8

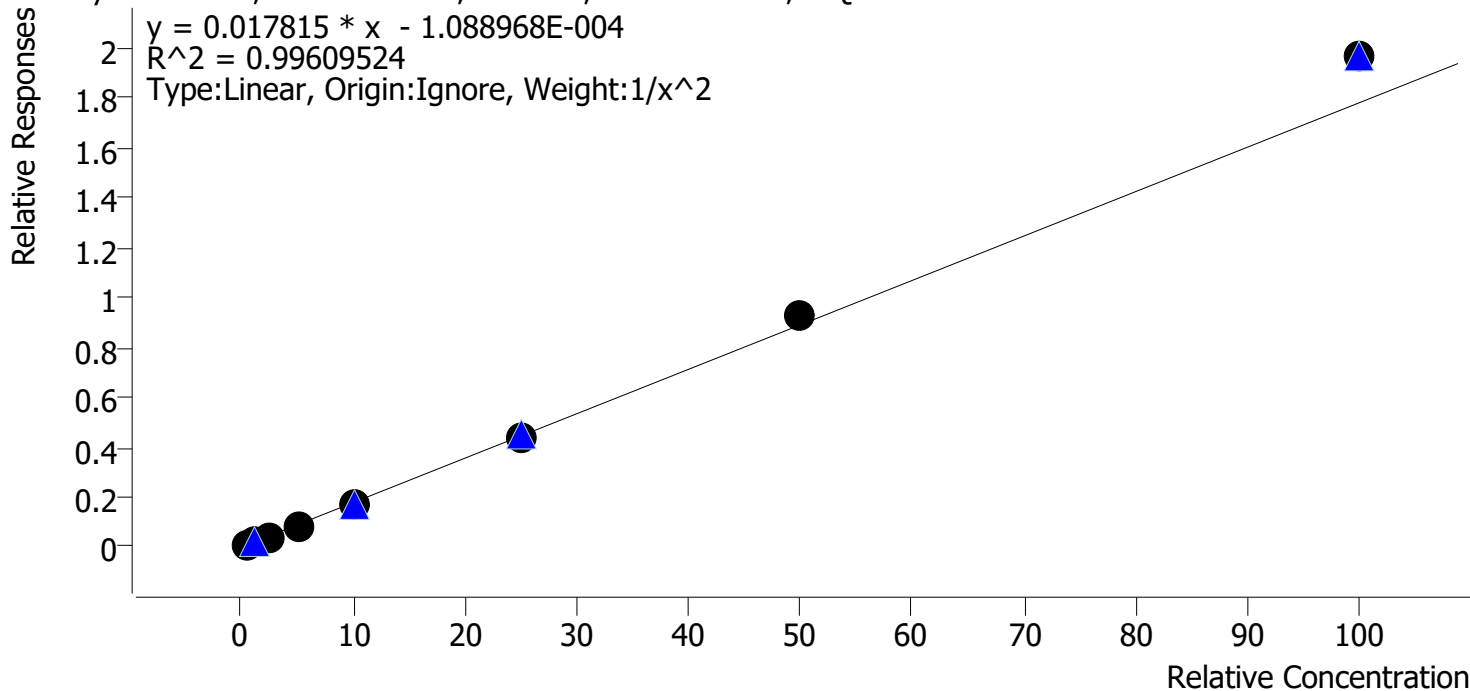
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



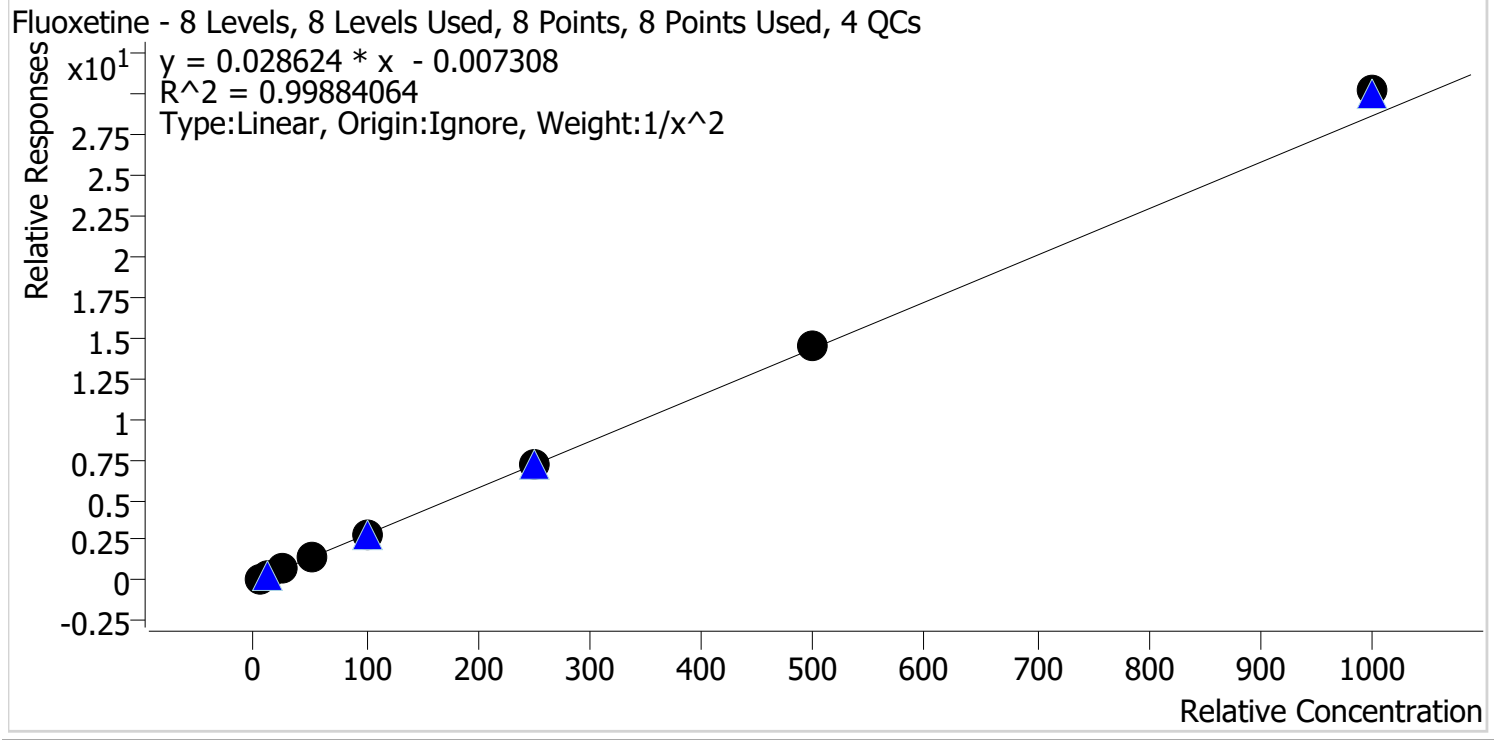
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.4
p1 Cal 2-10ng	2	✓	1.0	1.0	95.5
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.7
p1 Cal 4-50ng	4	✓	5.0	4.7	94.8
p1 Cal 5-100ng	5	✓	10.0	9.6	95.6
p1 Cal 6-250ng	6	✓	25.0	24.7	99.0
p1 Cal 7-500ng	7	✓	50.0	51.9	103.7
p1 Cal 8-1000ng	8	✓	100.0	110.4	110.4

5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



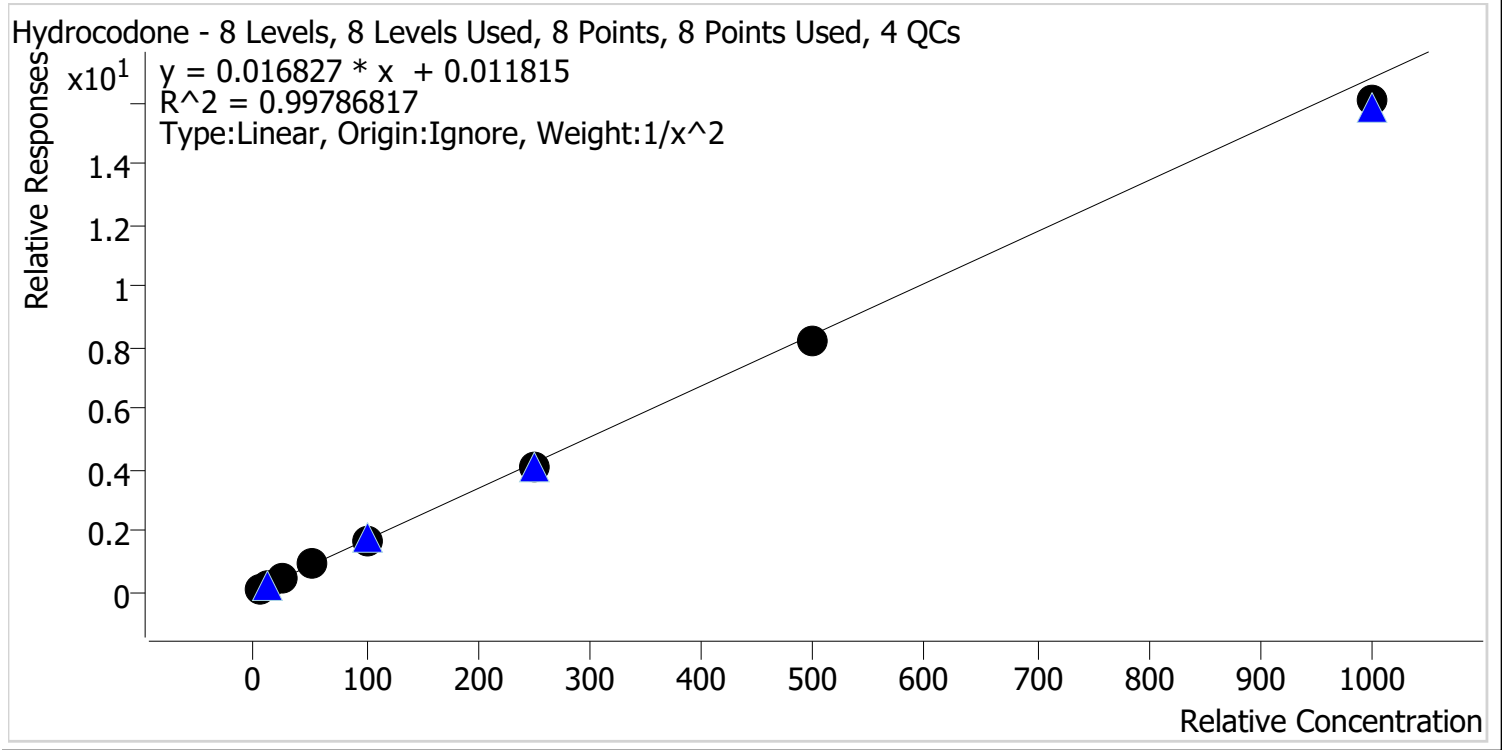
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	504.3	100.9
p1 Cal 8-1000ng	8	✓	1000.0	1054.3	105.4

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 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	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.9
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	241.9	96.8
p1 Cal 7-500ng	7	✓	500.0	489.1	97.8
p1 Cal 8-1000ng	8	✓	1000.0	955.6	95.6

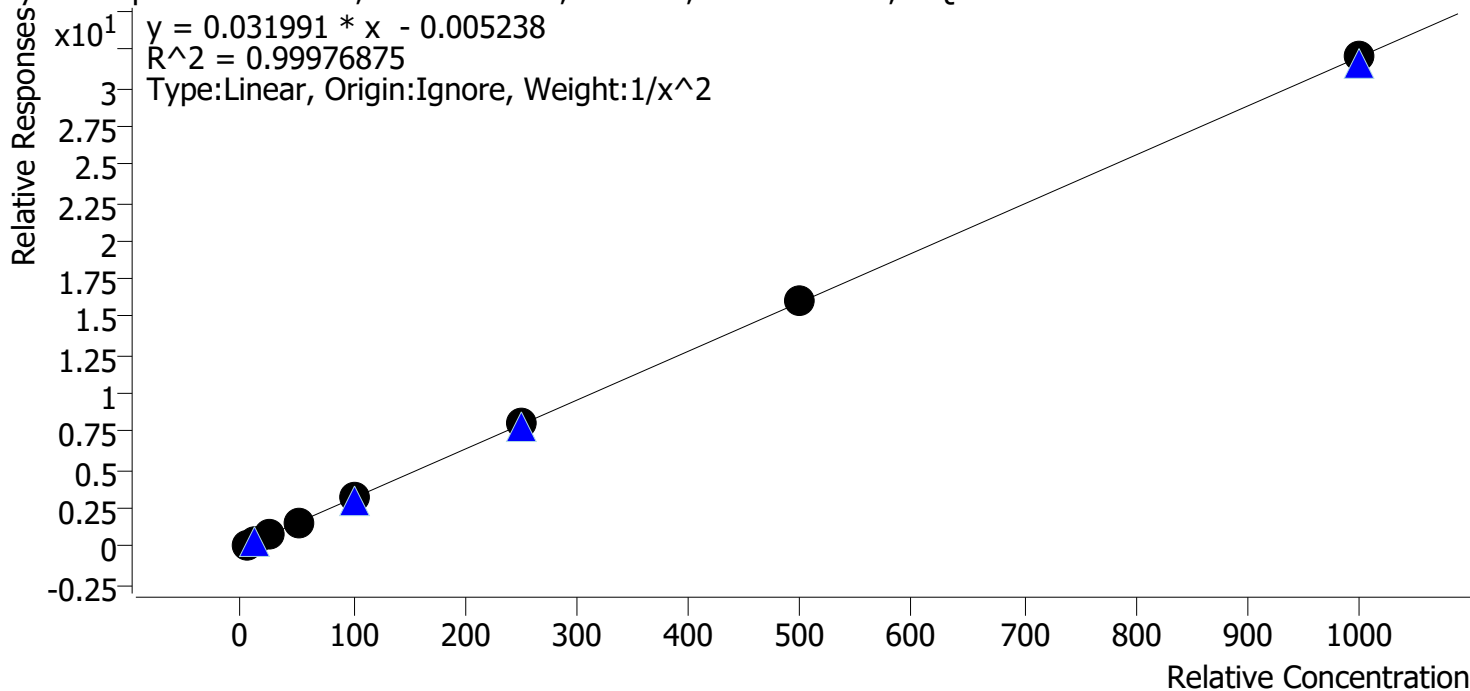
cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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

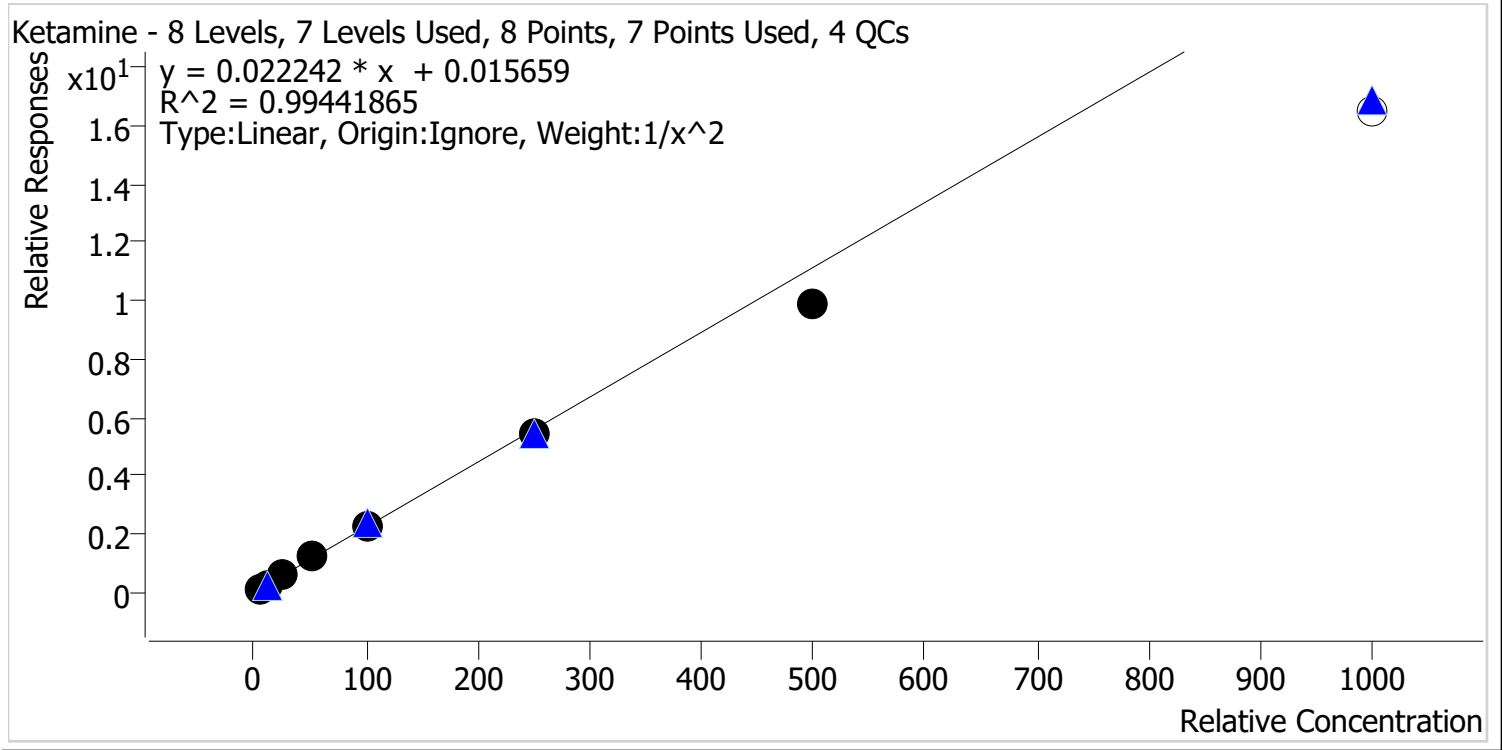


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	504.6	100.9
p1 Cal 8-1000ng	8	✓	1000.0	1001.0	100.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

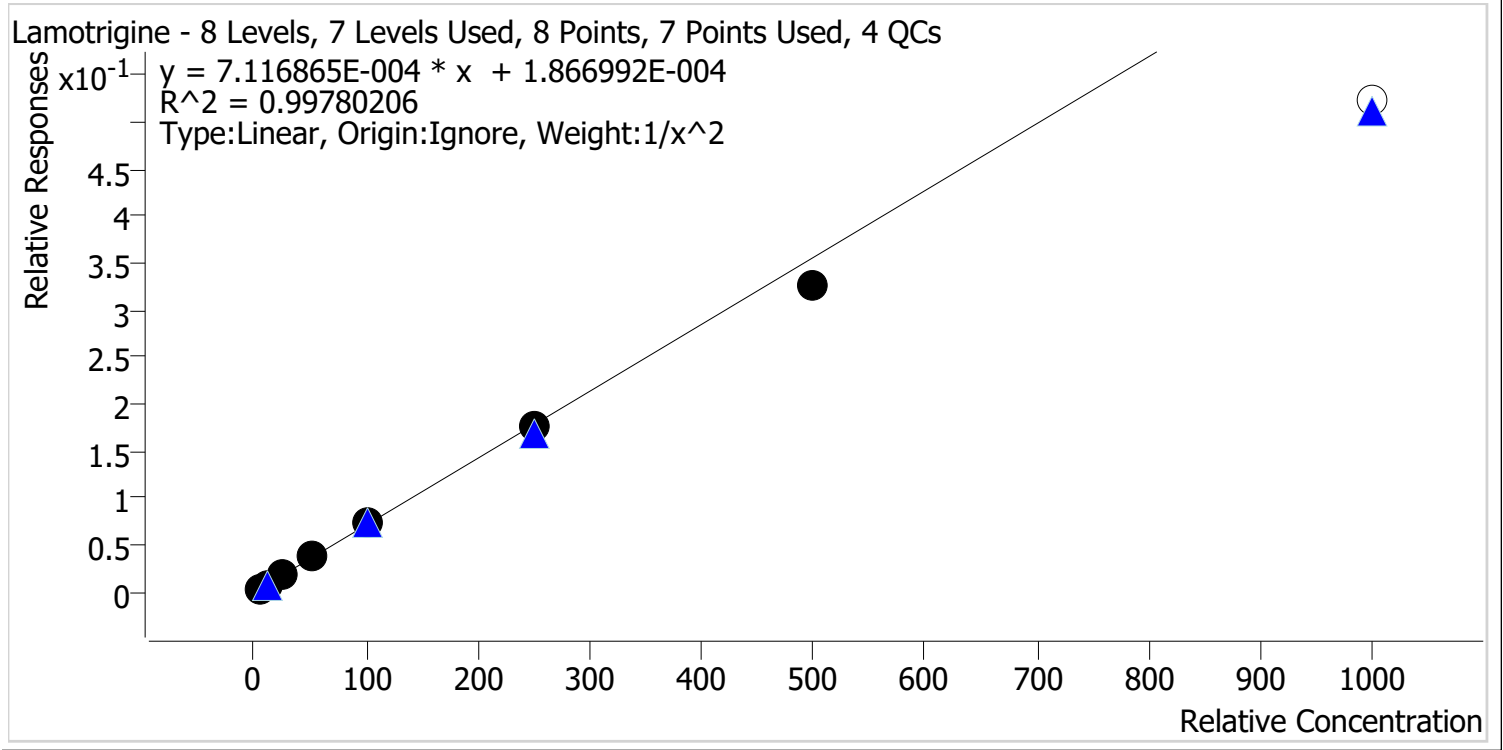


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.5
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	441.4	88.3
p1 Cal 8-1000ng	8	✗	1000.0	741.2	74.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Lamotrigine **Internal Standard** Pseudoephedrine-D3

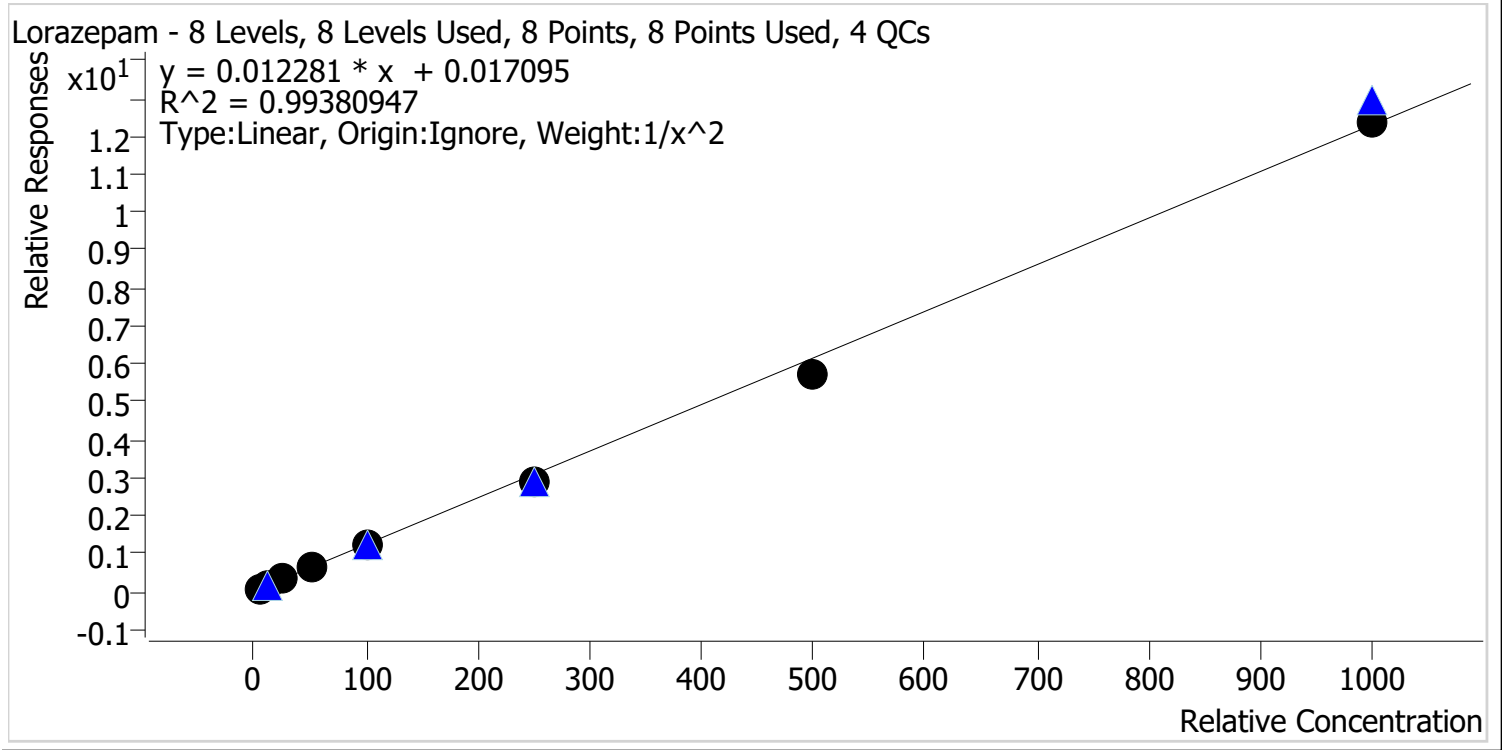


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	460.2	92.0
p1 Cal 8-1000ng	8	✗	1000.0	734.5	73.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

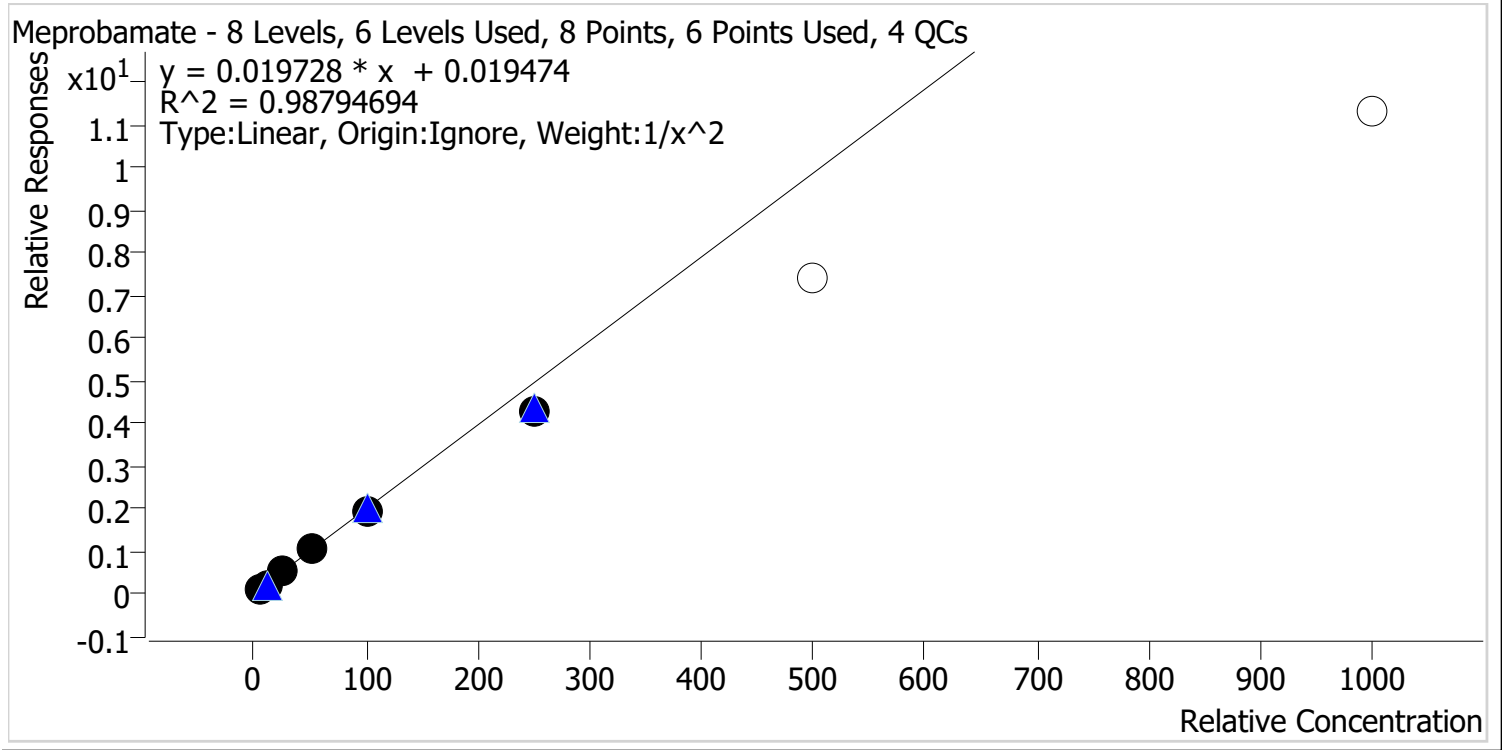


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2-10ng	2	✓	10.0	10.6	105.8
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.1
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	232.7	93.1
p1 Cal 7-500ng	7	✓	500.0	465.3	93.1
p1 Cal 8-1000ng	8	✓	1000.0	1006.1	100.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 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	4.7	94.8
p1 Cal 2-10ng	2	✓	10.0	10.6	106.0
p1 Cal 3 -25ng	3	✓	25.0	27.5	110.1
p1 Cal 4-50ng	4	✓	50.0	52.7	105.5
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	214.1	85.6
p1 Cal 7-500ng	7	✗	500.0	374.9	75.0
p1 Cal 8-1000ng	8	✗	1000.0	575.5	57.6

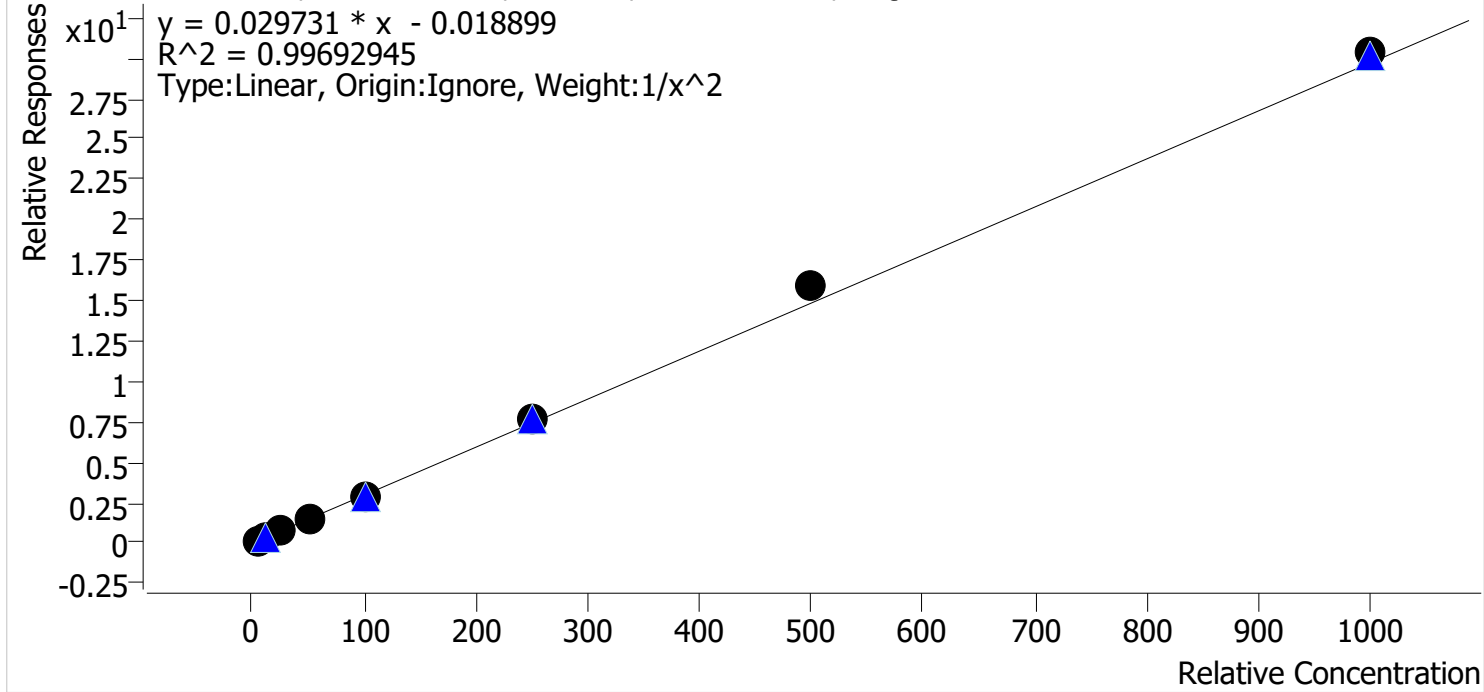
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9

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

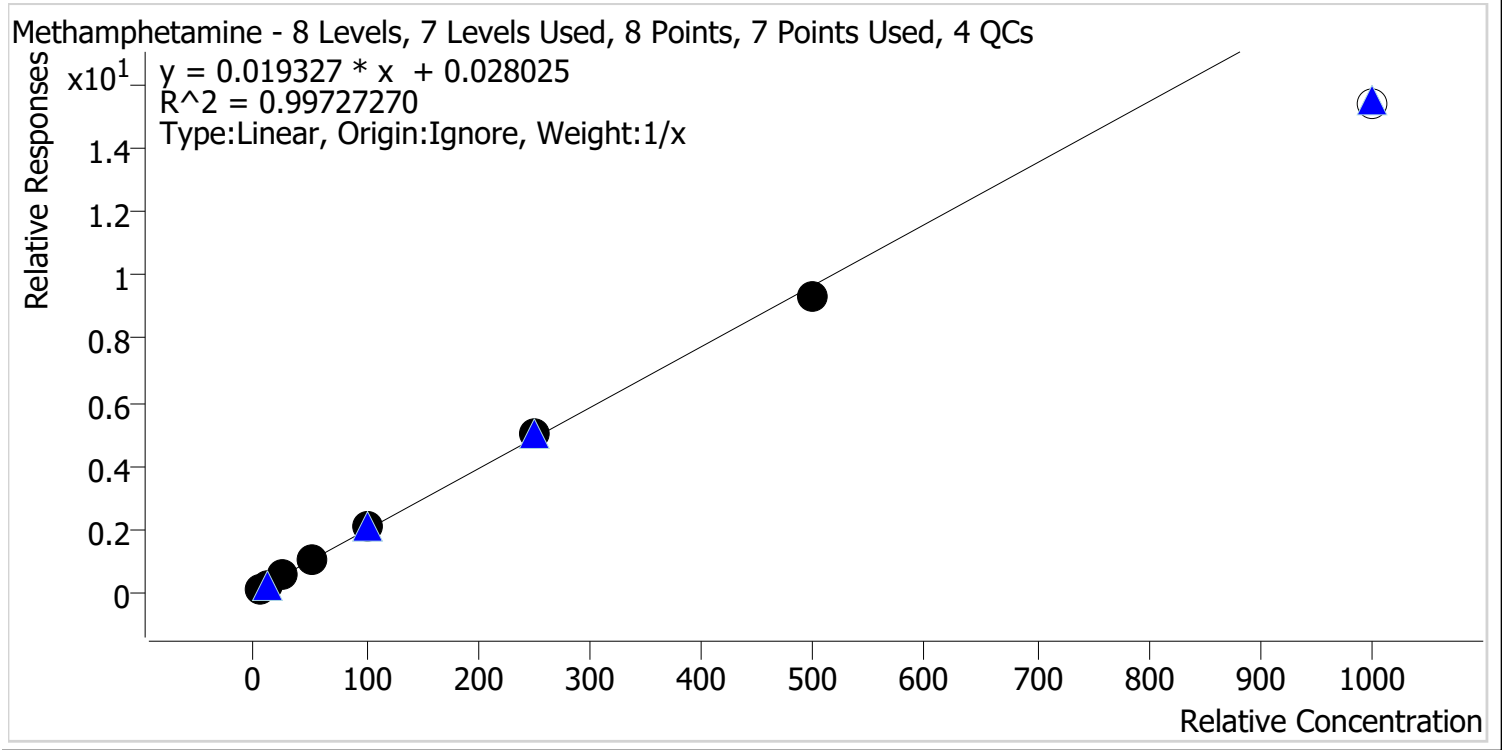


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.5	95.5
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	47.8	95.7
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	538.5	107.7
p1 Cal 8-1000ng	8	✓	1000.0	1021.5	102.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

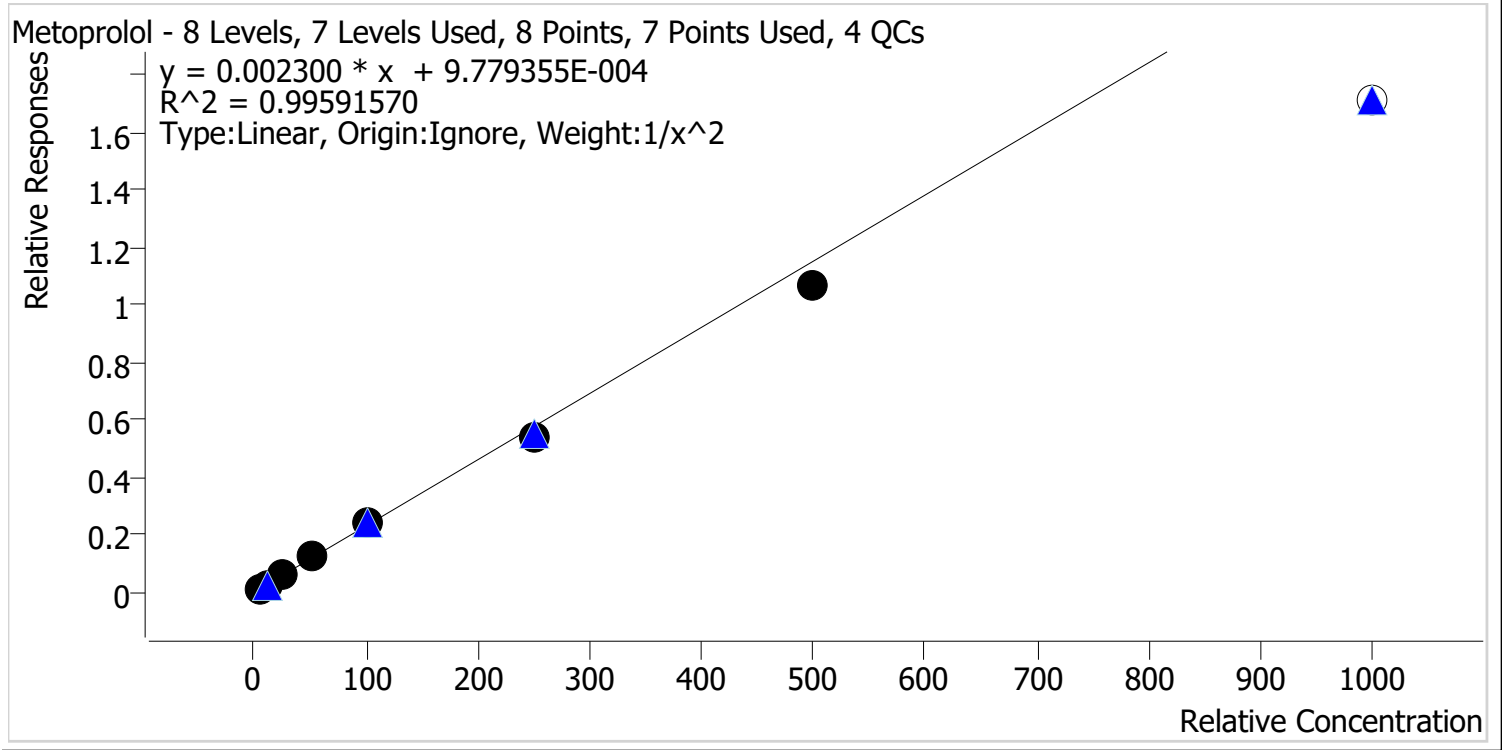


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.2	84.9
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	108.1	108.1
p1 Cal 6-250ng	6	✓	250.0	258.9	103.5
p1 Cal 7-500ng	7	✓	500.0	479.6	95.9
p1 Cal 8-1000ng	8	✗	1000.0	798.0	79.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



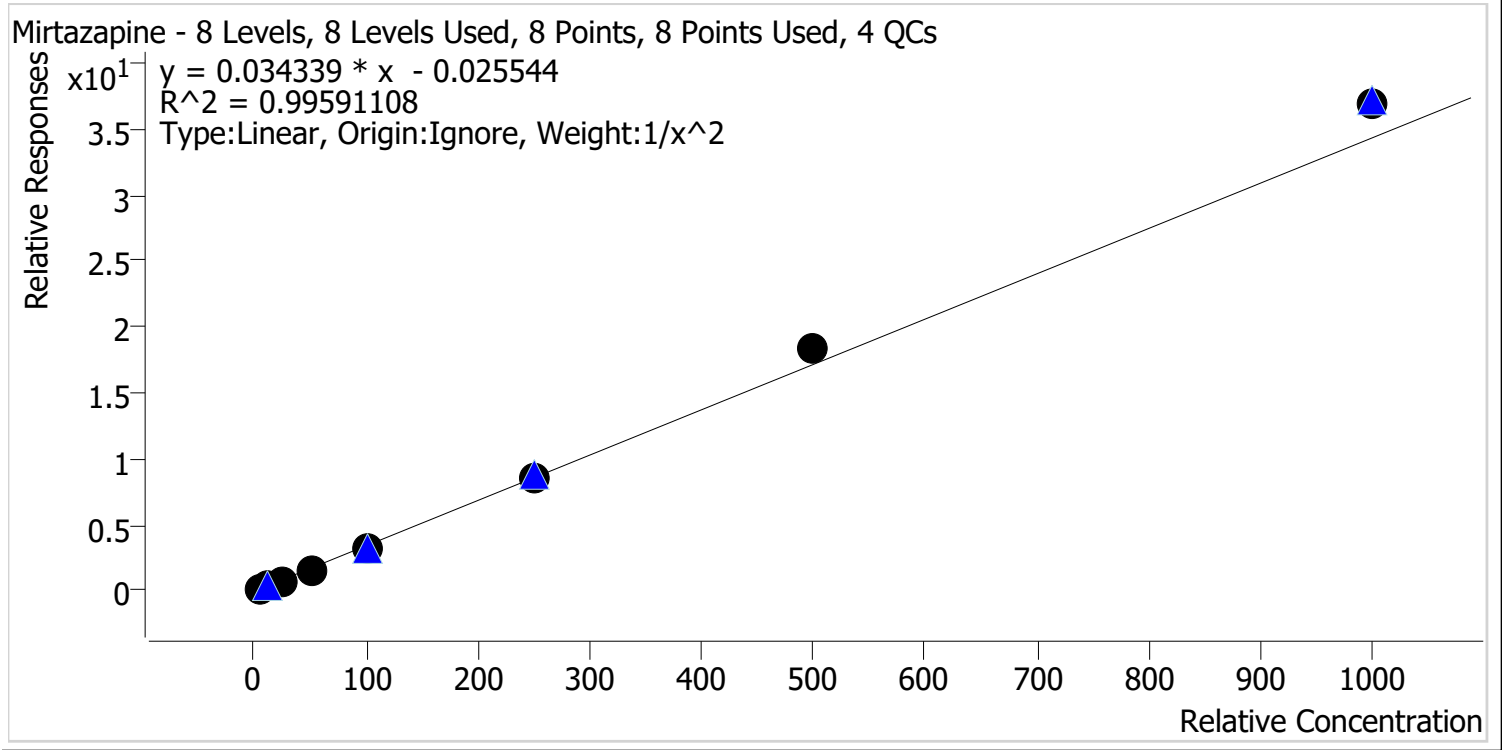
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	236.2	94.5
p1 Cal 7-500ng	7	✓	500.0	461.5	92.3
p1 Cal 8-1000ng	8	✗	1000.0	741.6	74.2

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-D8

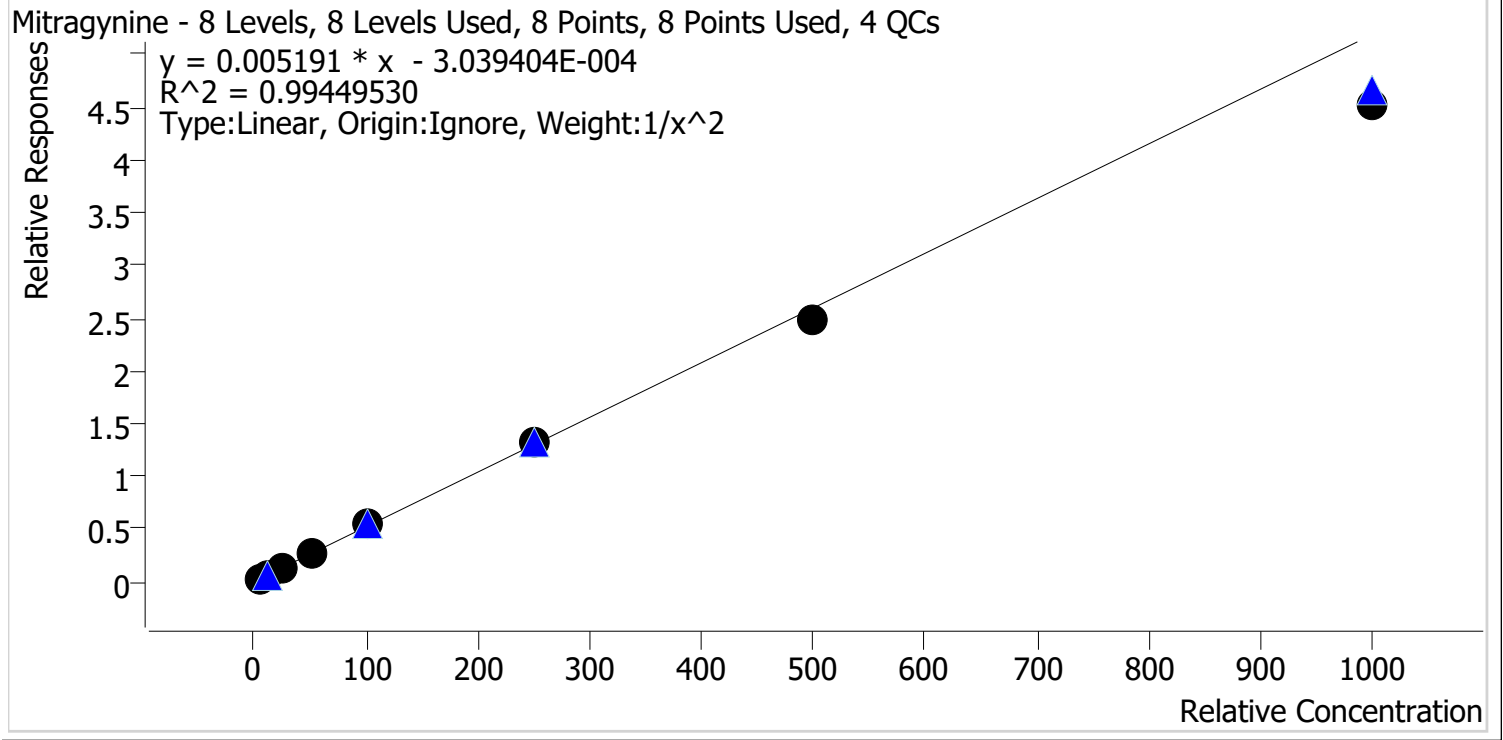


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	47.2	94.5
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	537.4	107.5
p1 Cal 8-1000ng	8	✓	1000.0	1075.9	107.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

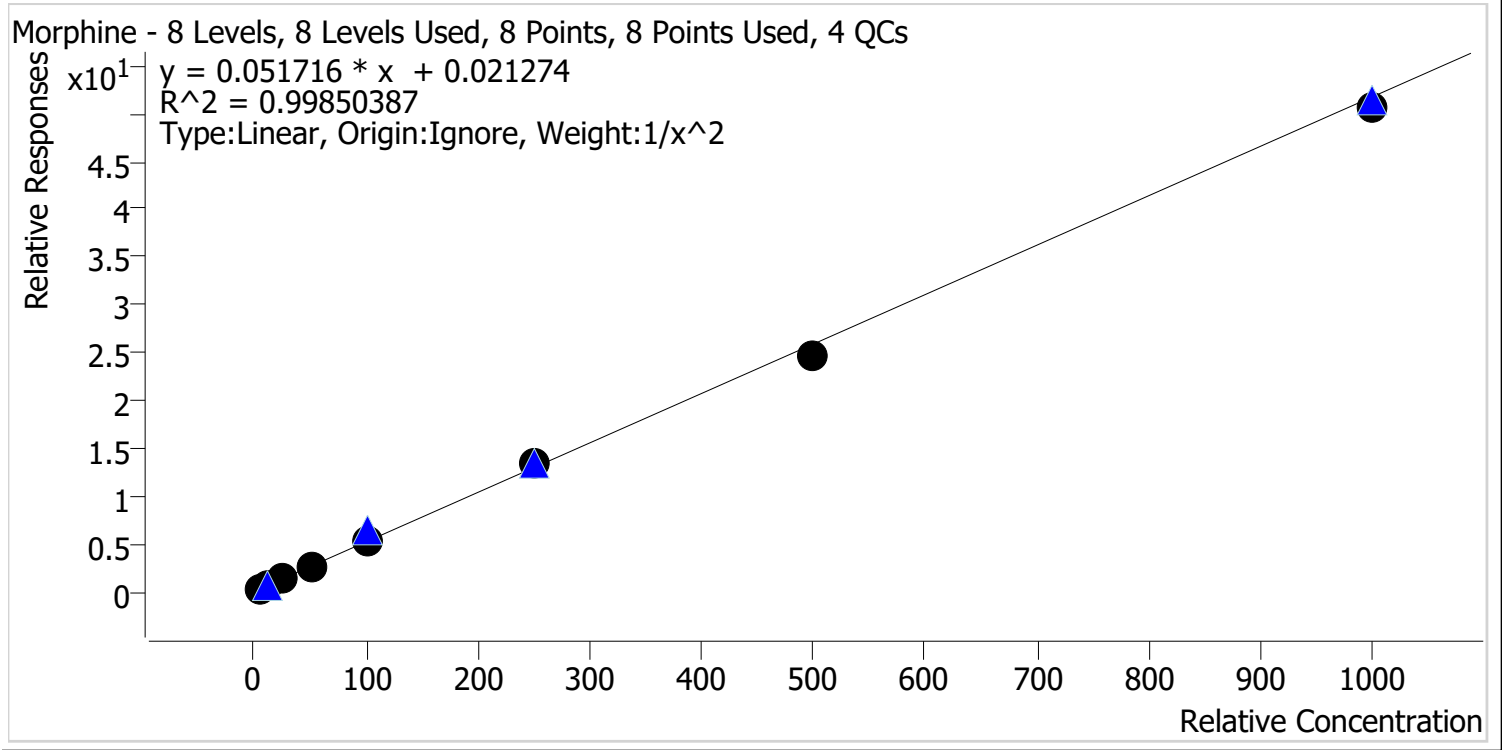


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	257.4	103.0
p1 Cal 7-500ng	7	✓	500.0	477.4	95.5
p1 Cal 8-1000ng	8	✓	1000.0	870.2	87.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Morphine **Internal Standard** Morphine-D6

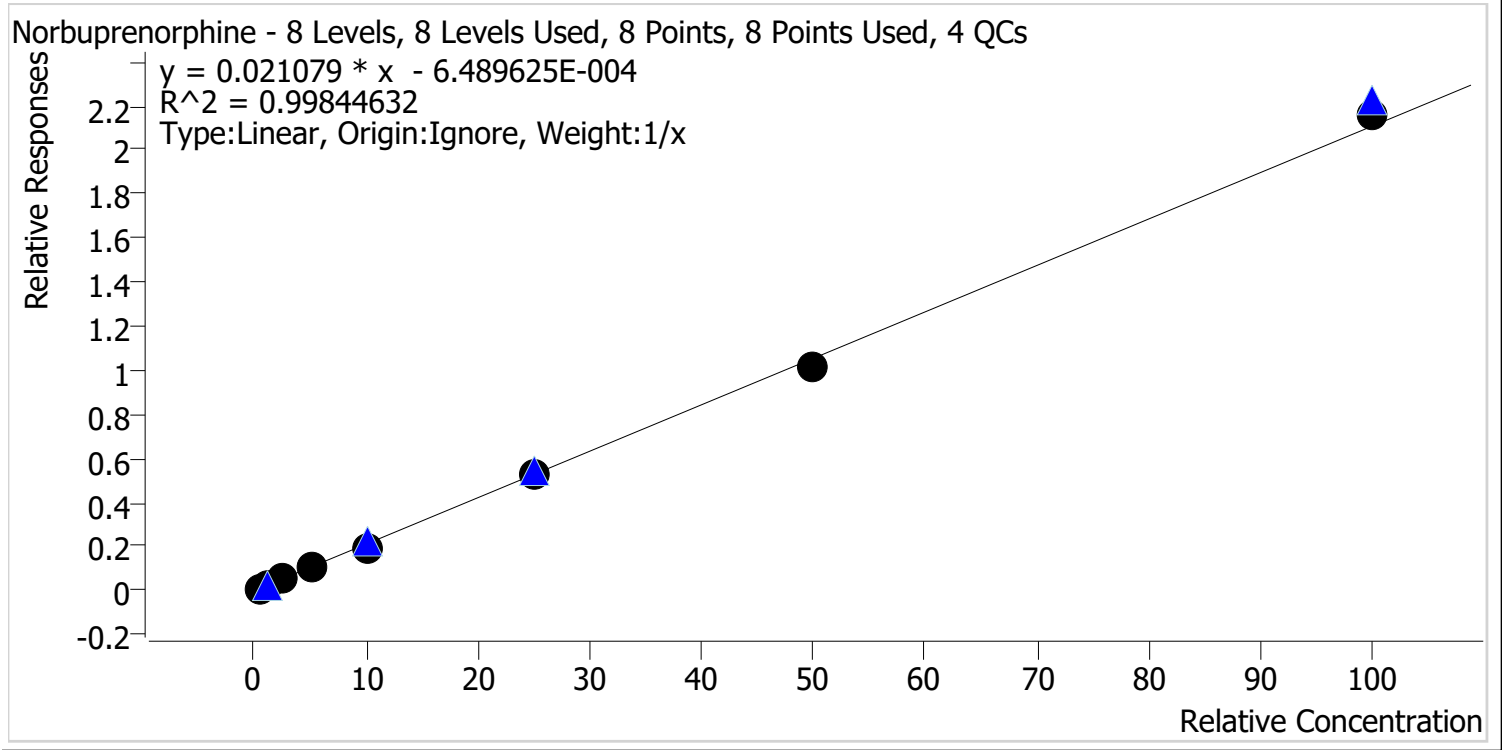


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	262.2	104.9
p1 Cal 7-500ng	7	✓	500.0	472.8	94.6
p1 Cal 8-1000ng	8	✓	1000.0	976.3	97.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

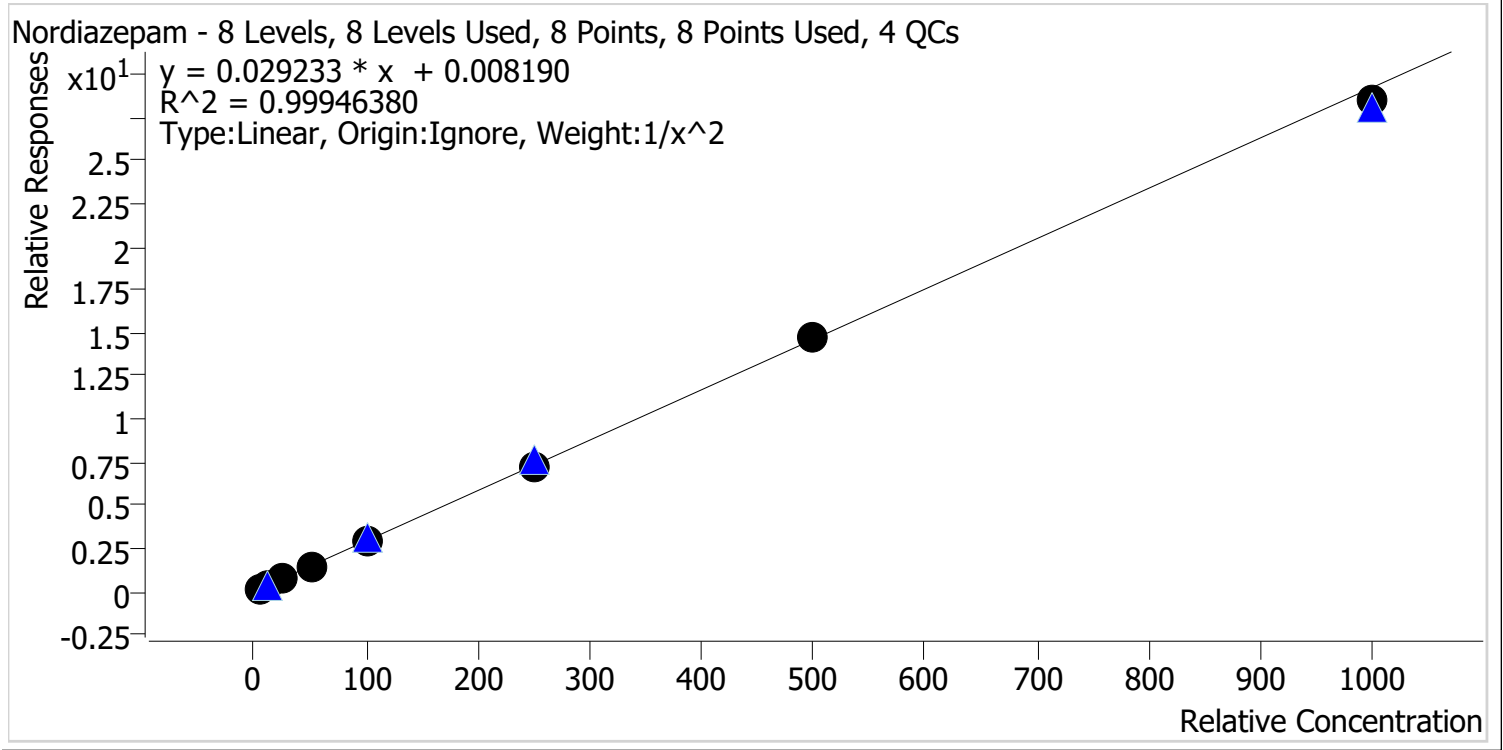


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.4	78.4
p1 Cal 2-10ng	2	✓	1.0	1.2	122.9
p1 Cal 3 -25ng	3	✓	2.5	2.8	110.6
p1 Cal 4-50ng	4	✓	5.0	4.8	95.6
p1 Cal 5-100ng	5	✓	10.0	9.3	93.3
p1 Cal 6-250ng	6	✓	25.0	25.2	100.6
p1 Cal 7-500ng	7	✓	50.0	48.2	96.3
p1 Cal 8-1000ng	8	✓	100.0	102.2	102.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

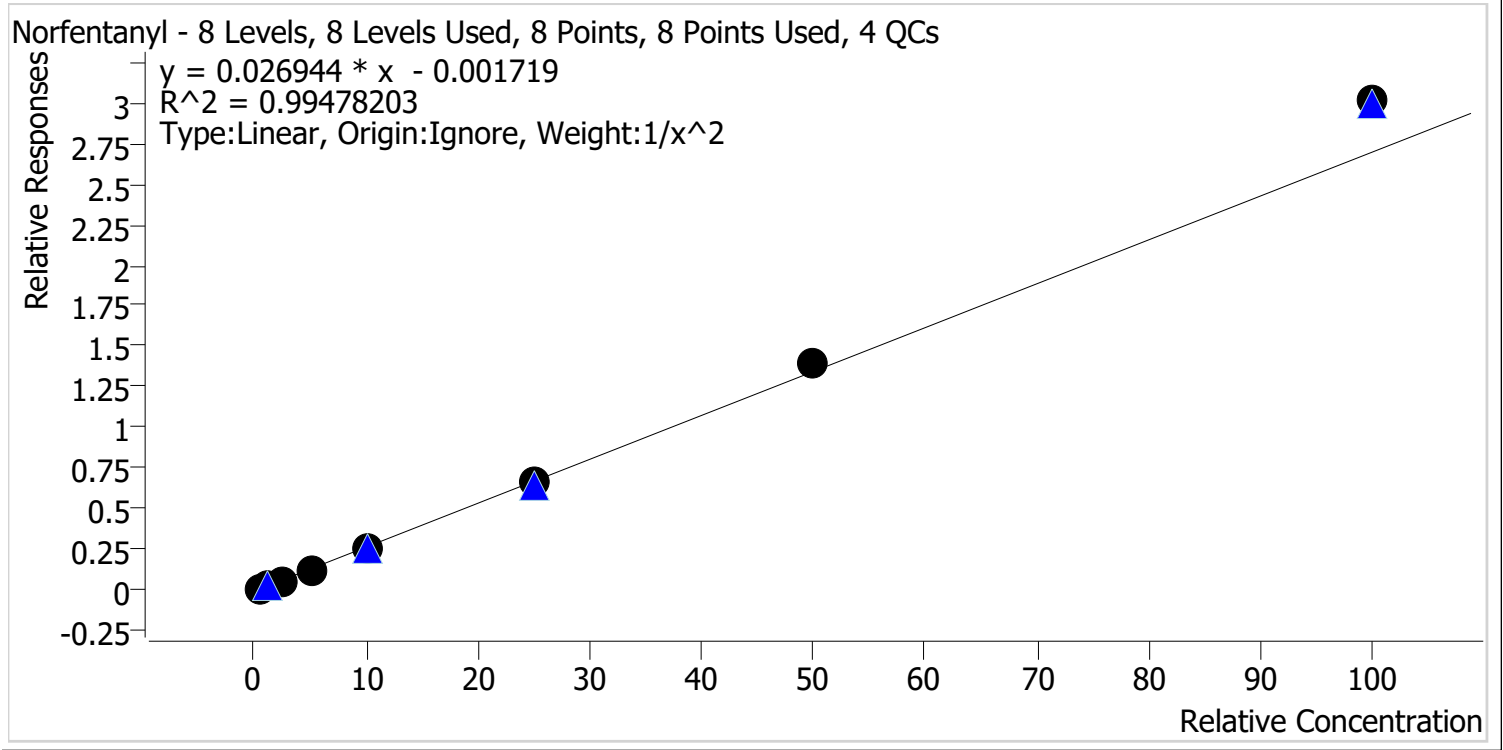


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	505.4	101.1
p1 Cal 8-1000ng	8	✓	1000.0	974.2	97.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

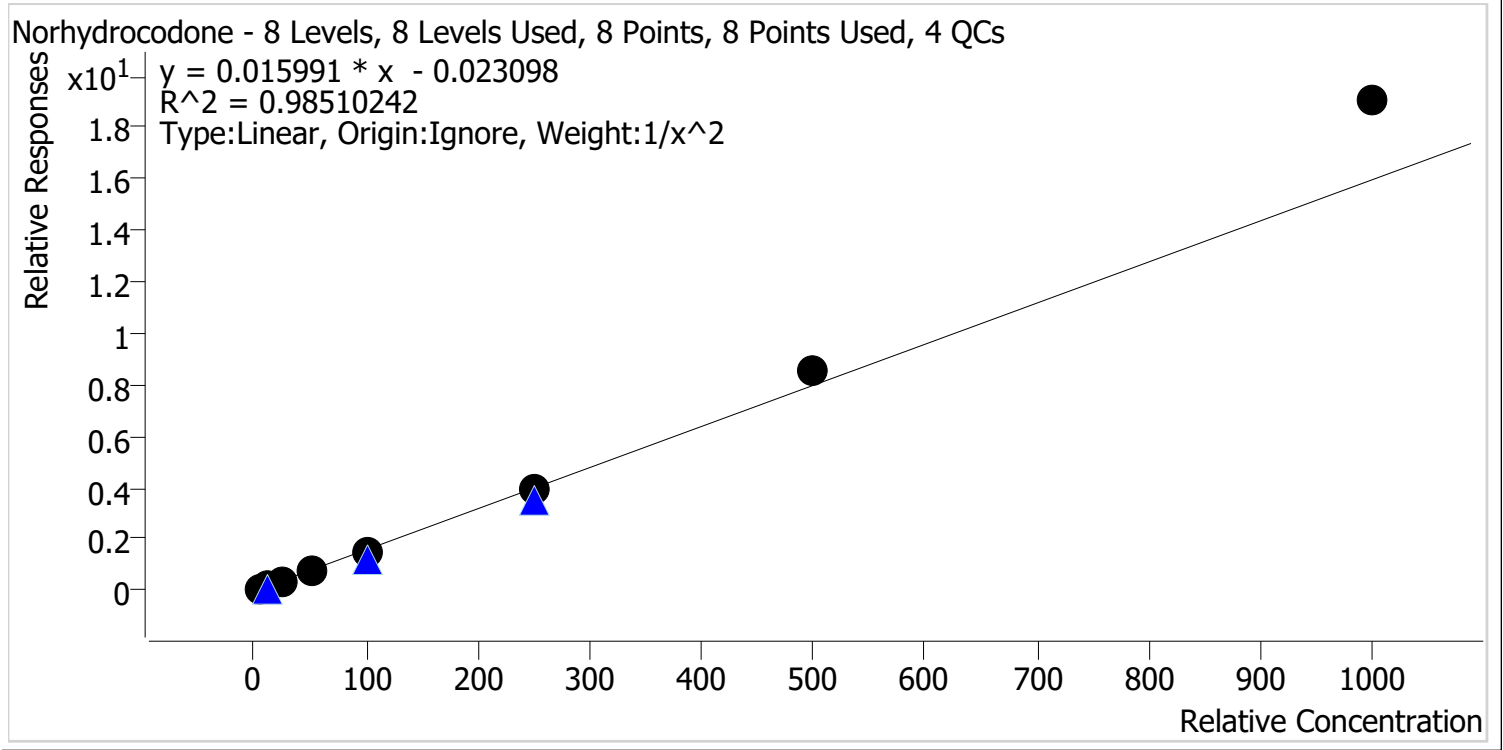


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.3
p1 Cal 2-10ng	2	✓	1.0	1.0	97.3
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.1
p1 Cal 4-50ng	4	✓	5.0	4.6	92.6
p1 Cal 5-100ng	5	✓	10.0	9.7	96.9
p1 Cal 6-250ng	6	✓	25.0	24.9	99.4
p1 Cal 7-500ng	7	✓	50.0	52.3	104.6
p1 Cal 8-1000ng	8	✓	100.0	111.7	111.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

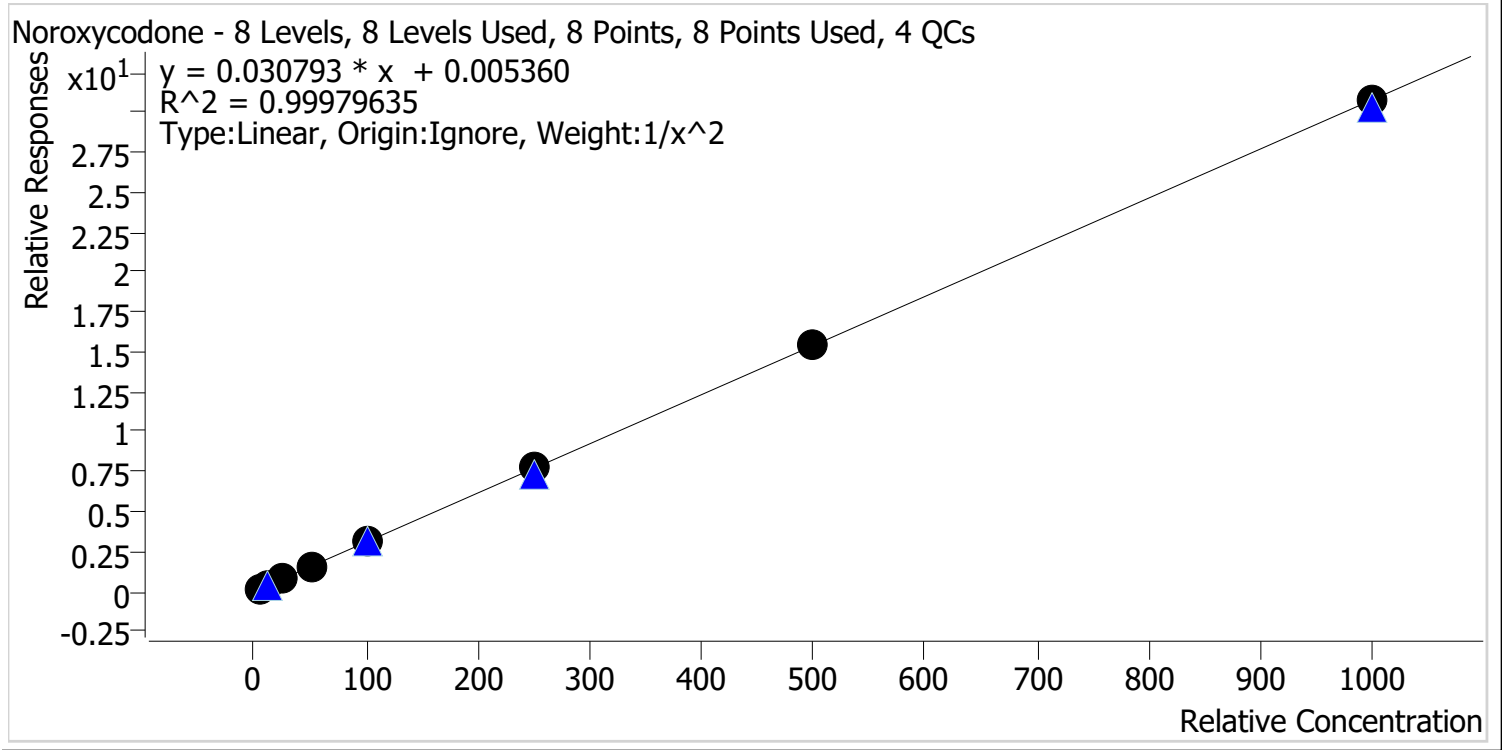


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.1
p1 Cal 2-10ng	2	✓	10.0	9.2	92.3
p1 Cal 3 -25ng	3	✓	25.0	22.4	89.6
p1 Cal 4-50ng	4	✓	50.0	44.6	89.2
p1 Cal 5-100ng	5	✓	100.0	94.6	94.6
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	539.9	108.0
p1 Cal 8-1000ng	8	✓	1000.0	1192.6	119.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

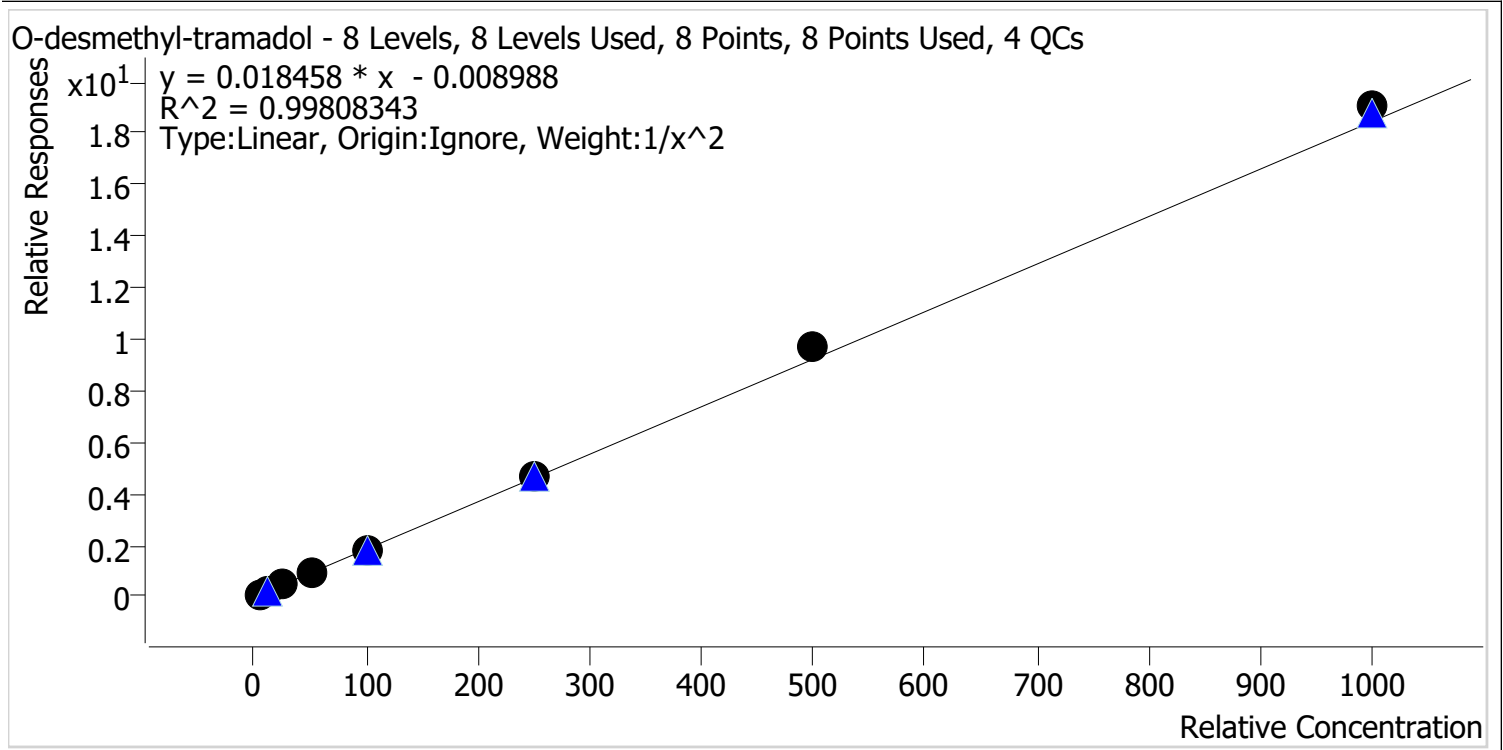


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	500.6	100.1
p1 Cal 8-1000ng	8	✓	1000.0	998.5	99.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

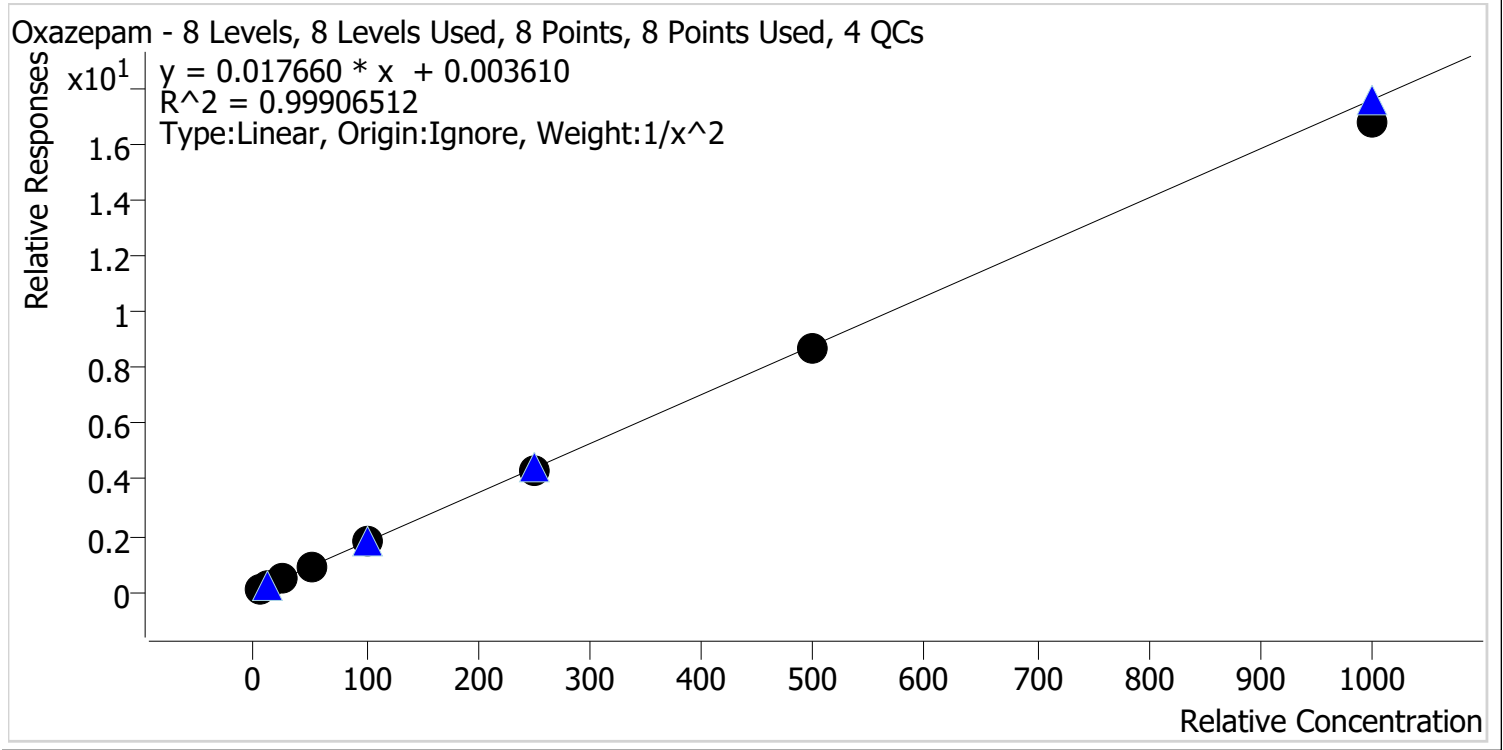


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	47.8	95.7
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	527.3	105.5
p1 Cal 8-1000ng	8	✓	1000.0	1032.2	103.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

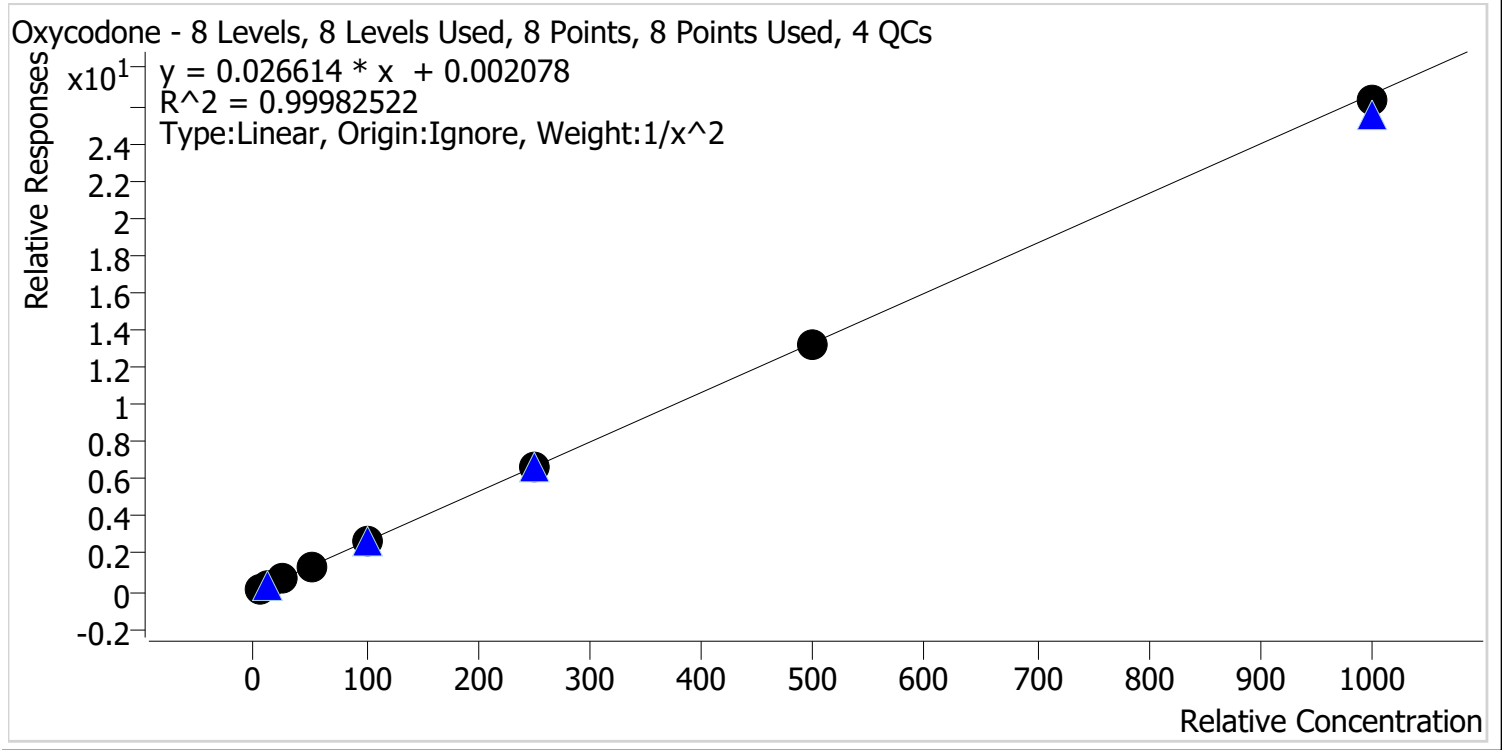


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	247.6	99.0
p1 Cal 7-500ng	7	✓	500.0	493.7	98.7
p1 Cal 8-1000ng	8	✓	1000.0	953.6	95.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

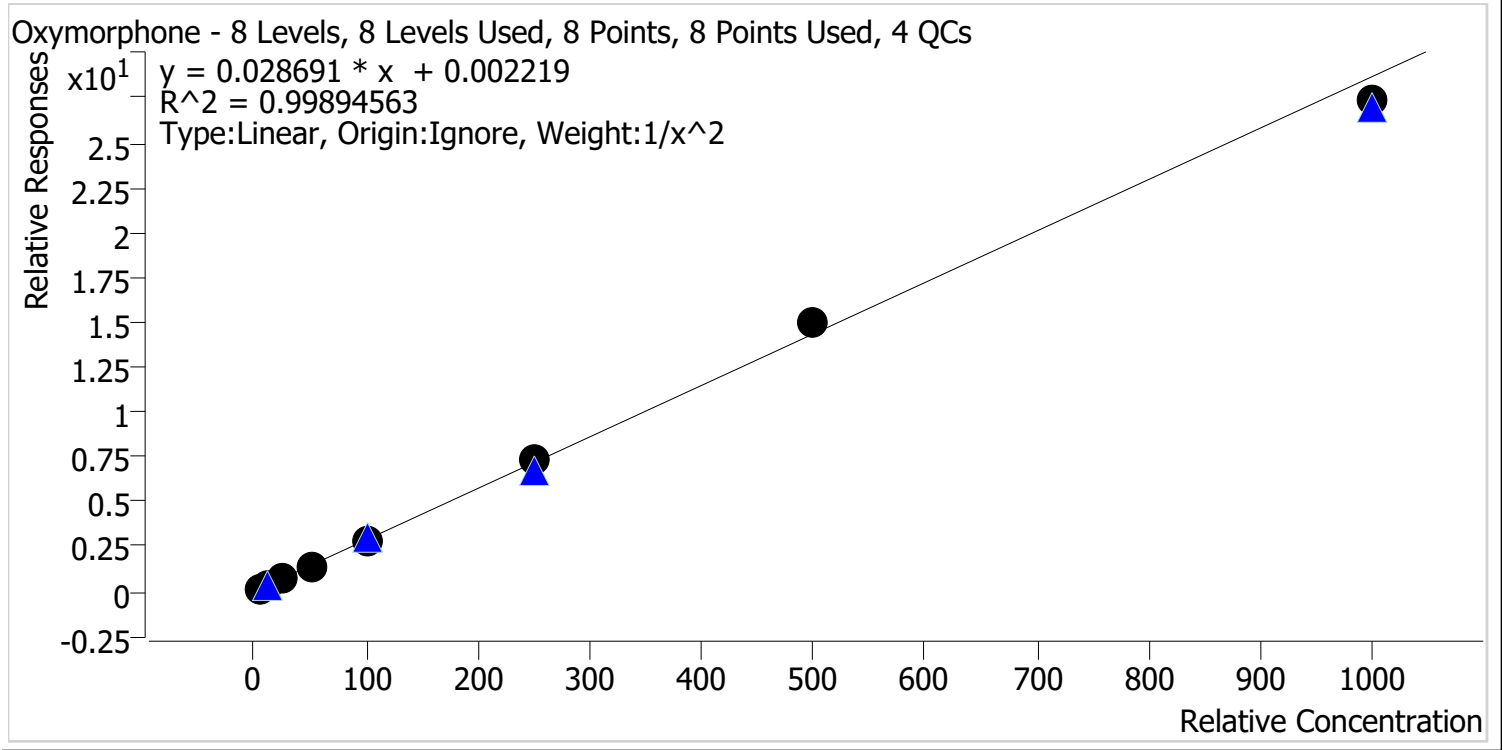


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	248.6	99.5
p1 Cal 7-500ng	7	✓	500.0	498.1	99.6
p1 Cal 8-1000ng	8	✓	1000.0	987.1	98.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



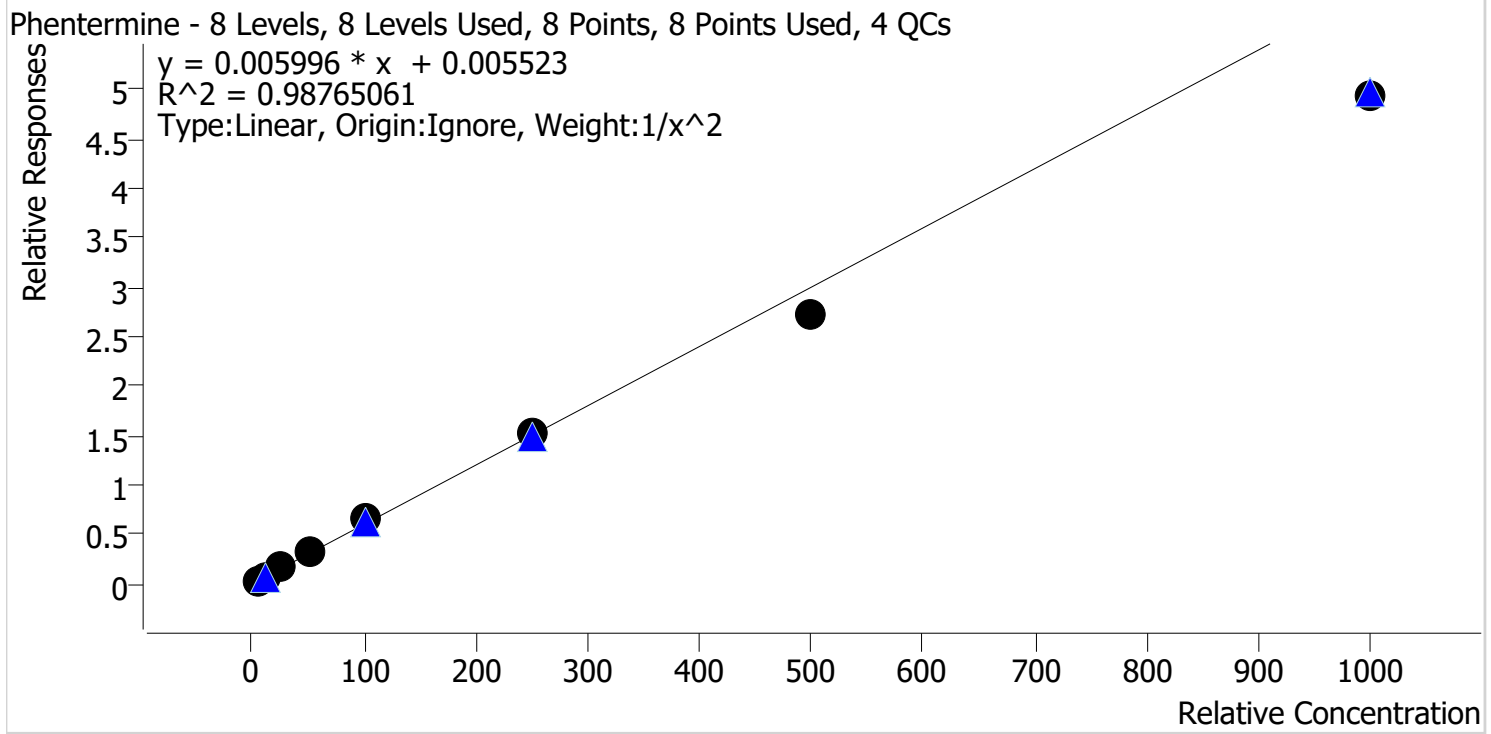
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	252.9	101.1
p1 Cal 7-500ng	7	✓	500.0	523.6	104.7
p1 Cal 8-1000ng	8	✓	1000.0	953.4	95.3

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

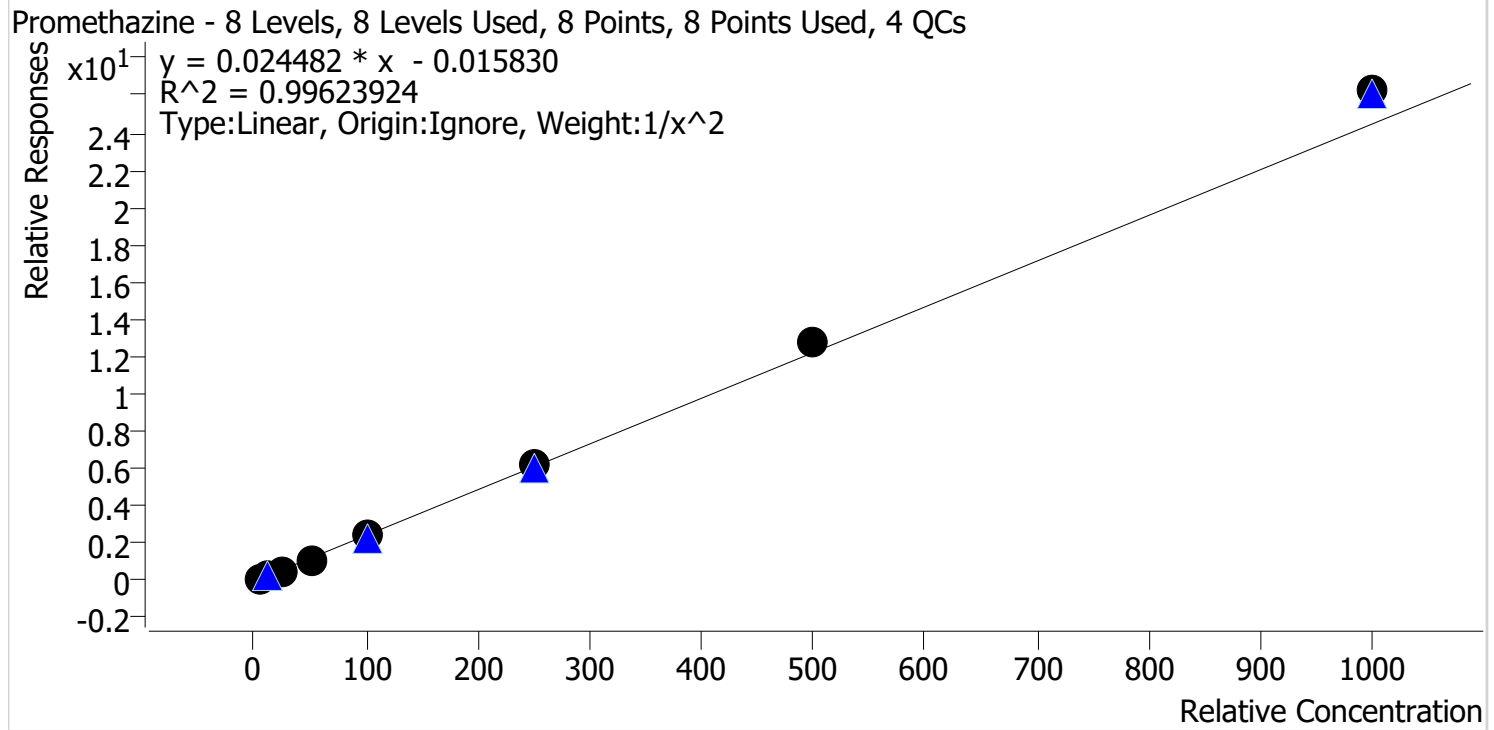


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.0
p1 Cal 4-50ng	4	✓	50.0	54.9	109.8
p1 Cal 5-100ng	5	✓	100.0	109.6	109.6
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	456.8	91.4
p1 Cal 8-1000ng	8	✓	1000.0	821.3	82.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

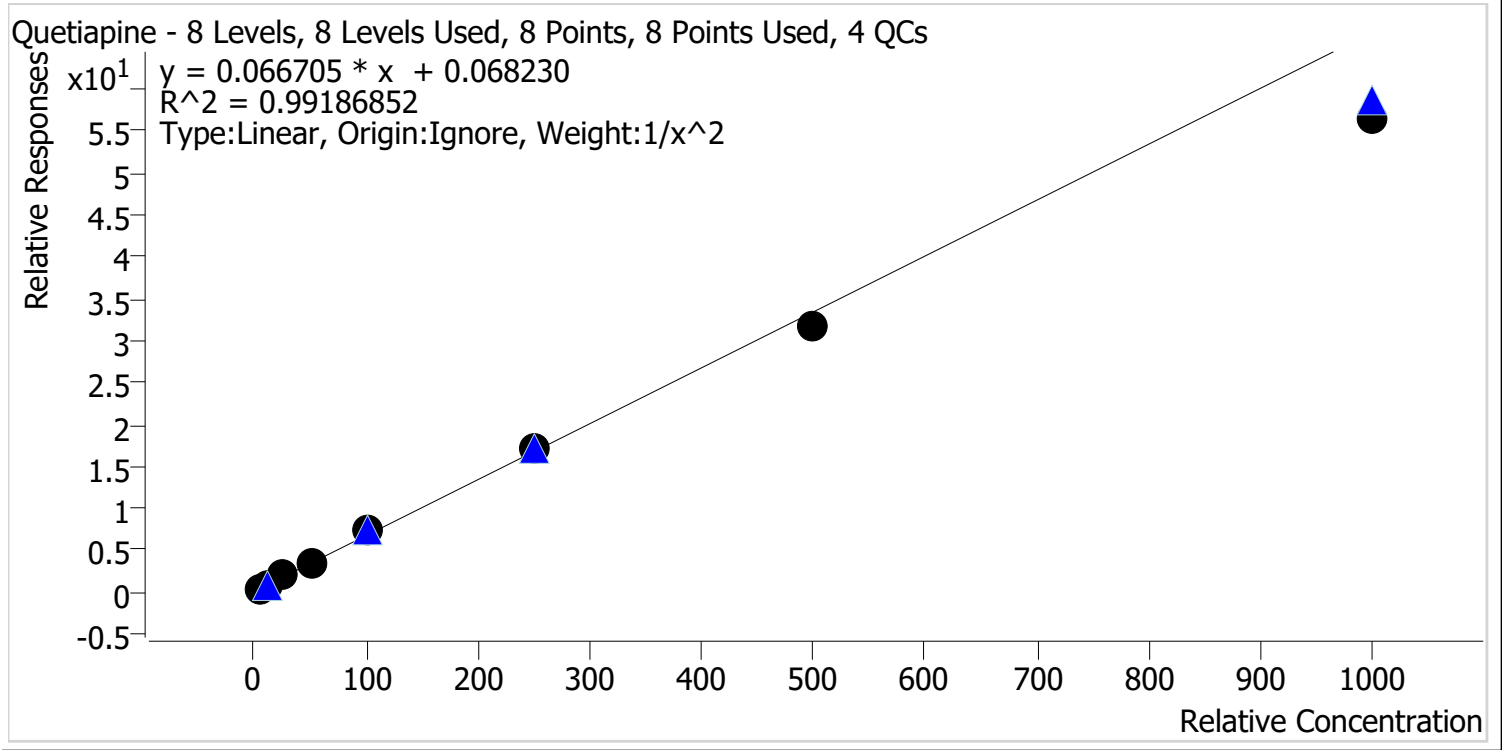


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.2
p1 Cal 2-10ng	2	✓	10.0	9.5	95.0
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	47.1	94.2
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	257.4	102.9
p1 Cal 7-500ng	7	✓	500.0	523.3	104.7
p1 Cal 8-1000ng	8	✓	1000.0	1073.1	107.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

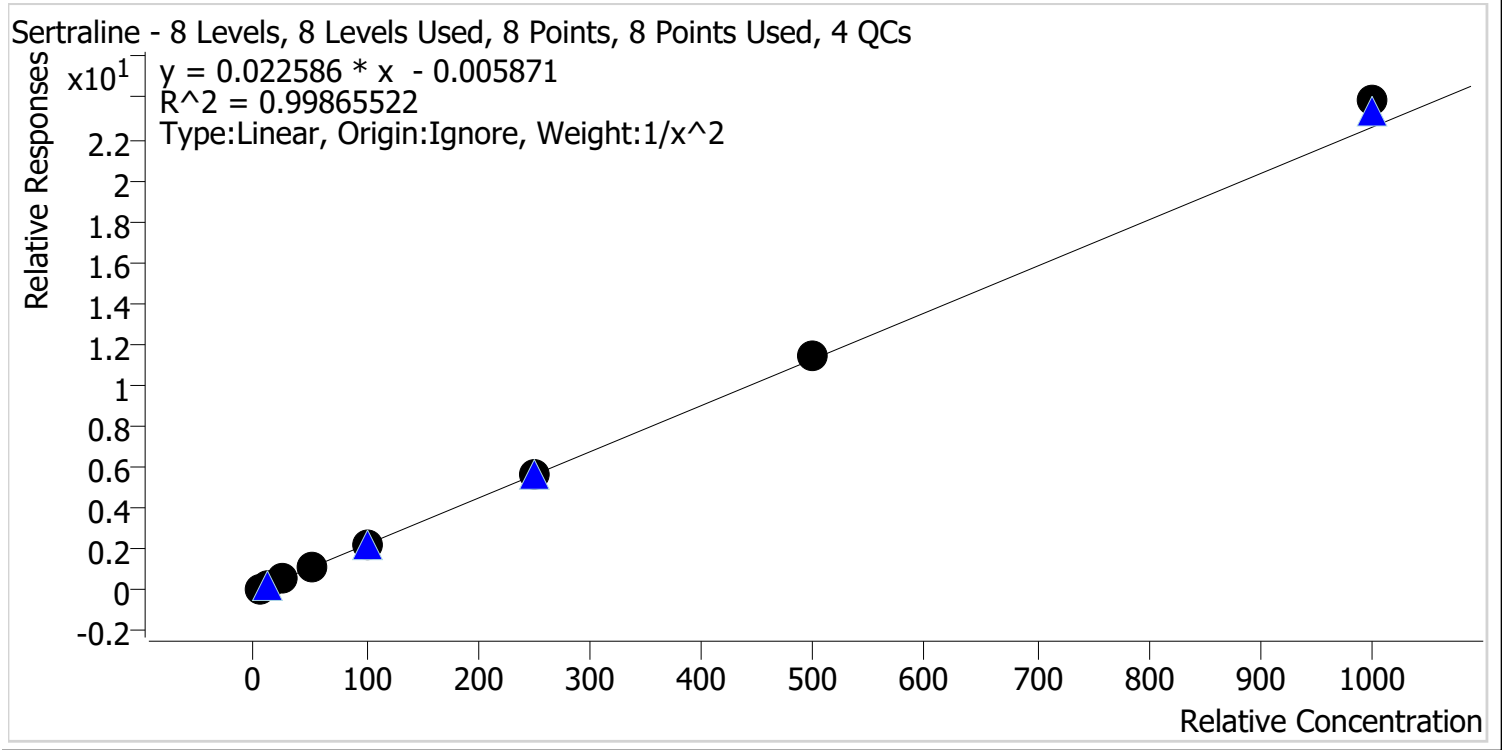


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.4
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	474.6	94.9
p1 Cal 8-1000ng	8	✓	1000.0	847.5	84.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 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	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	503.3	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1057.5	105.7

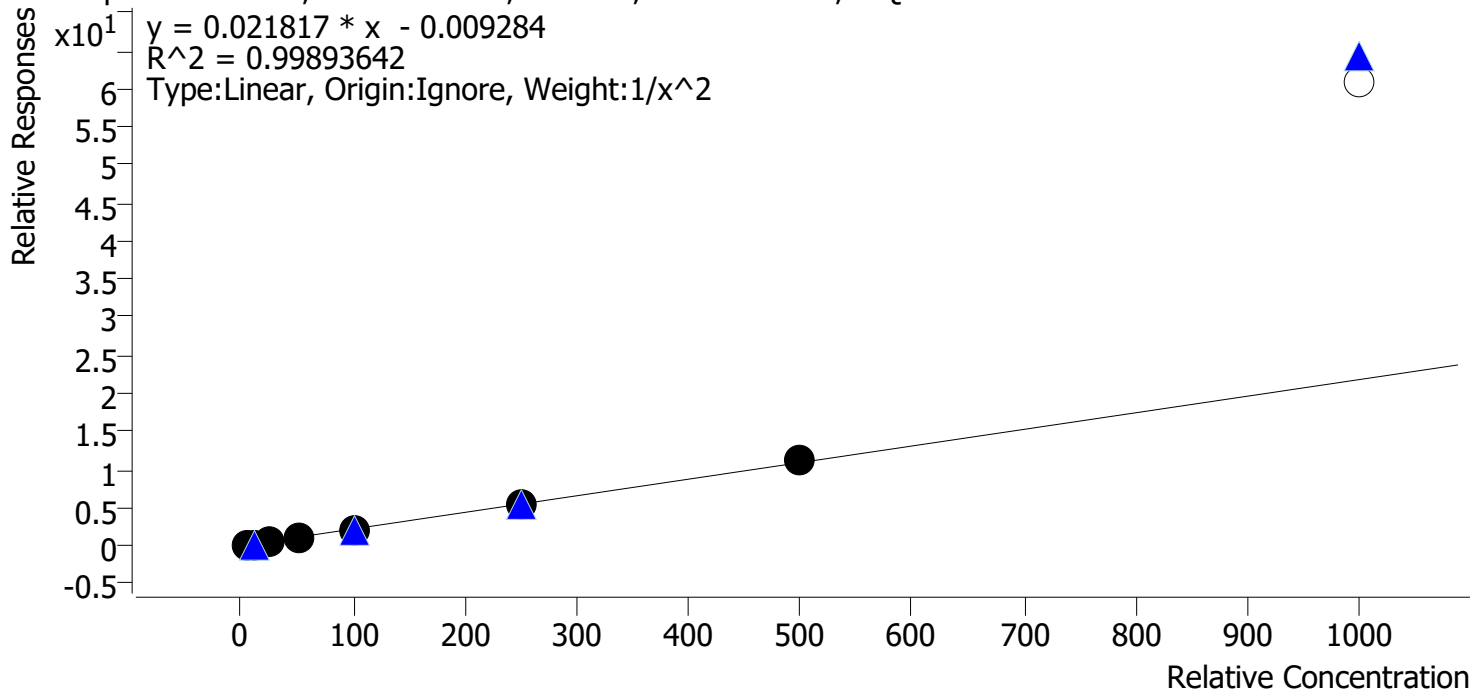
9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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

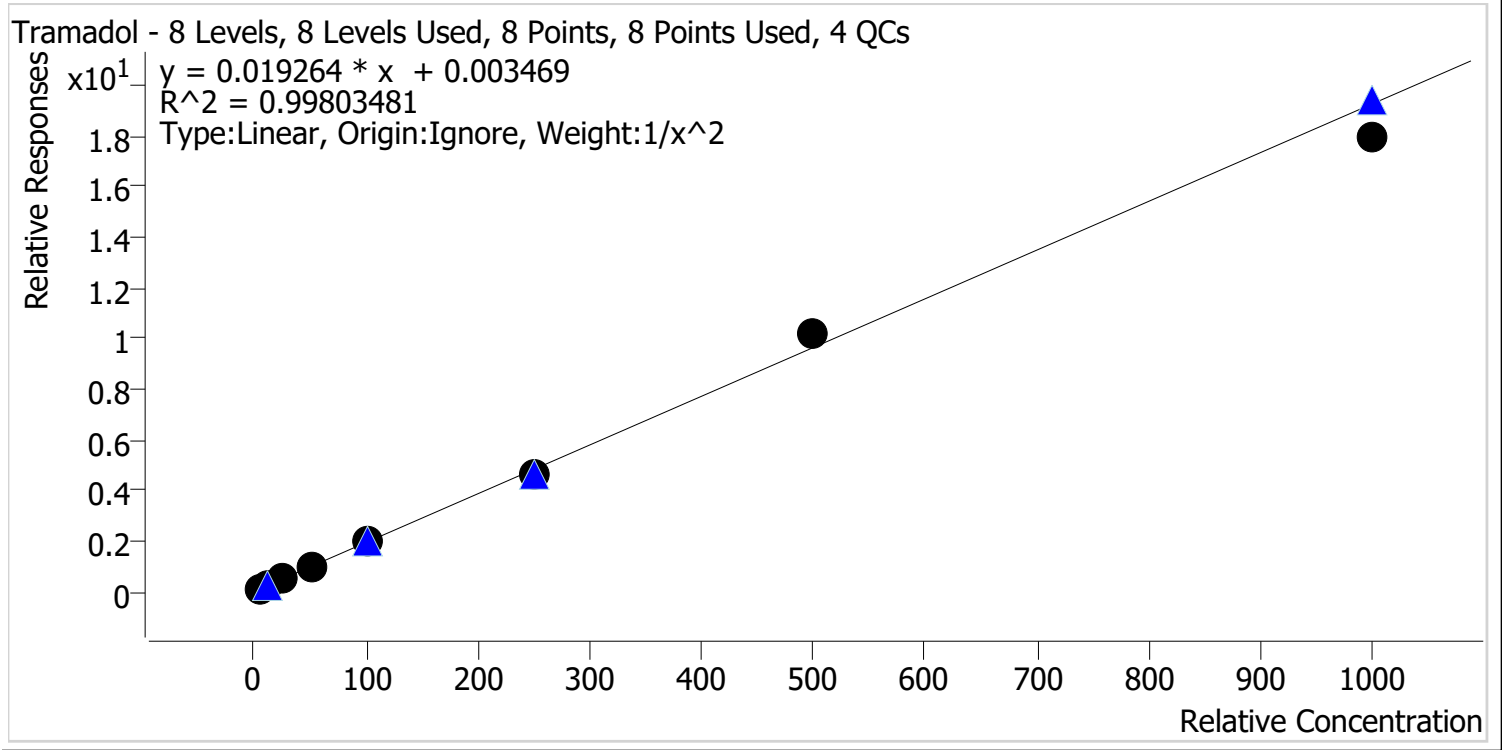


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	257.4	103.0
p1 Cal 7-500ng	7	✓	500.0	516.8	103.4
p1 Cal 8-1000ng	8	✗	1000.0	2801.7	280.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

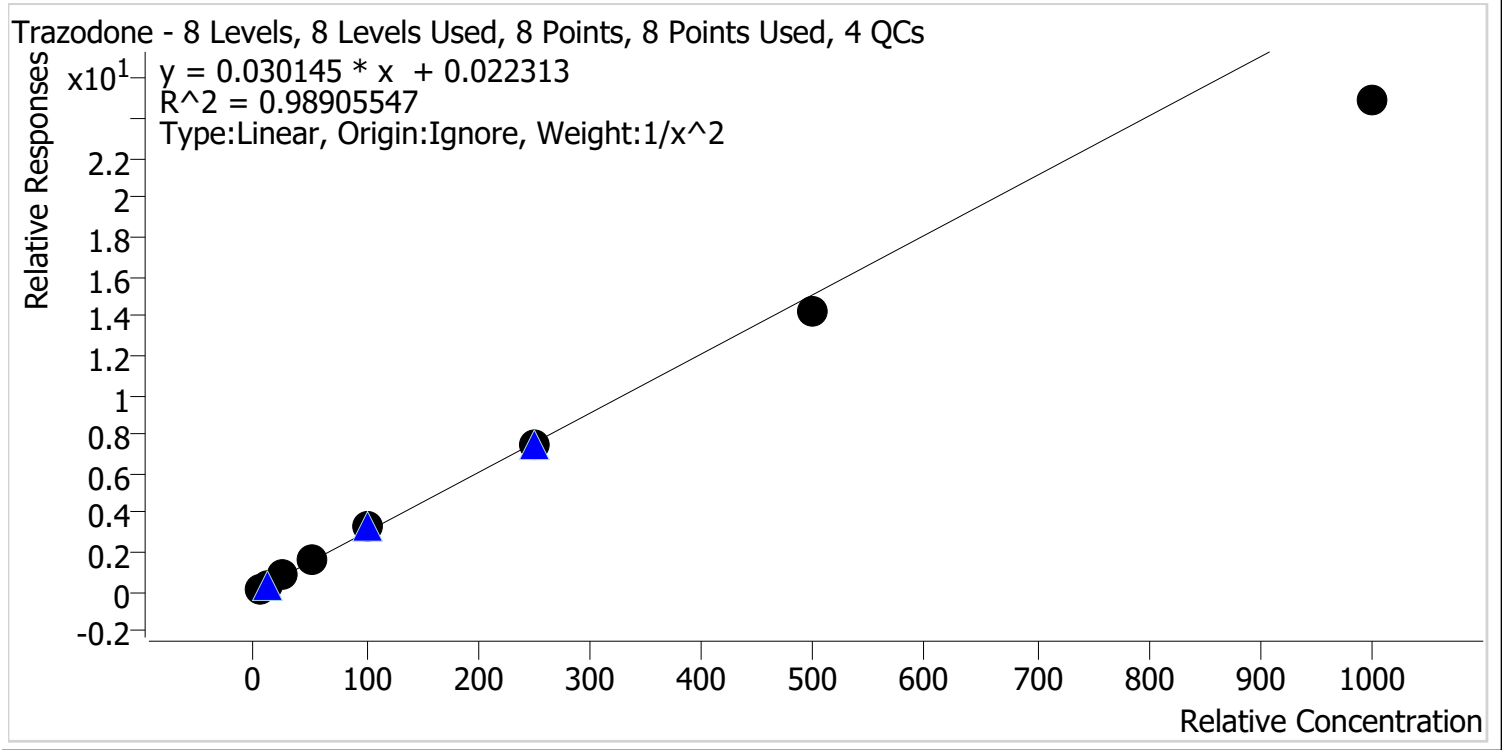


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	243.2	97.3
p1 Cal 7-500ng	7	✓	500.0	532.4	106.5
p1 Cal 8-1000ng	8	✓	1000.0	931.6	93.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

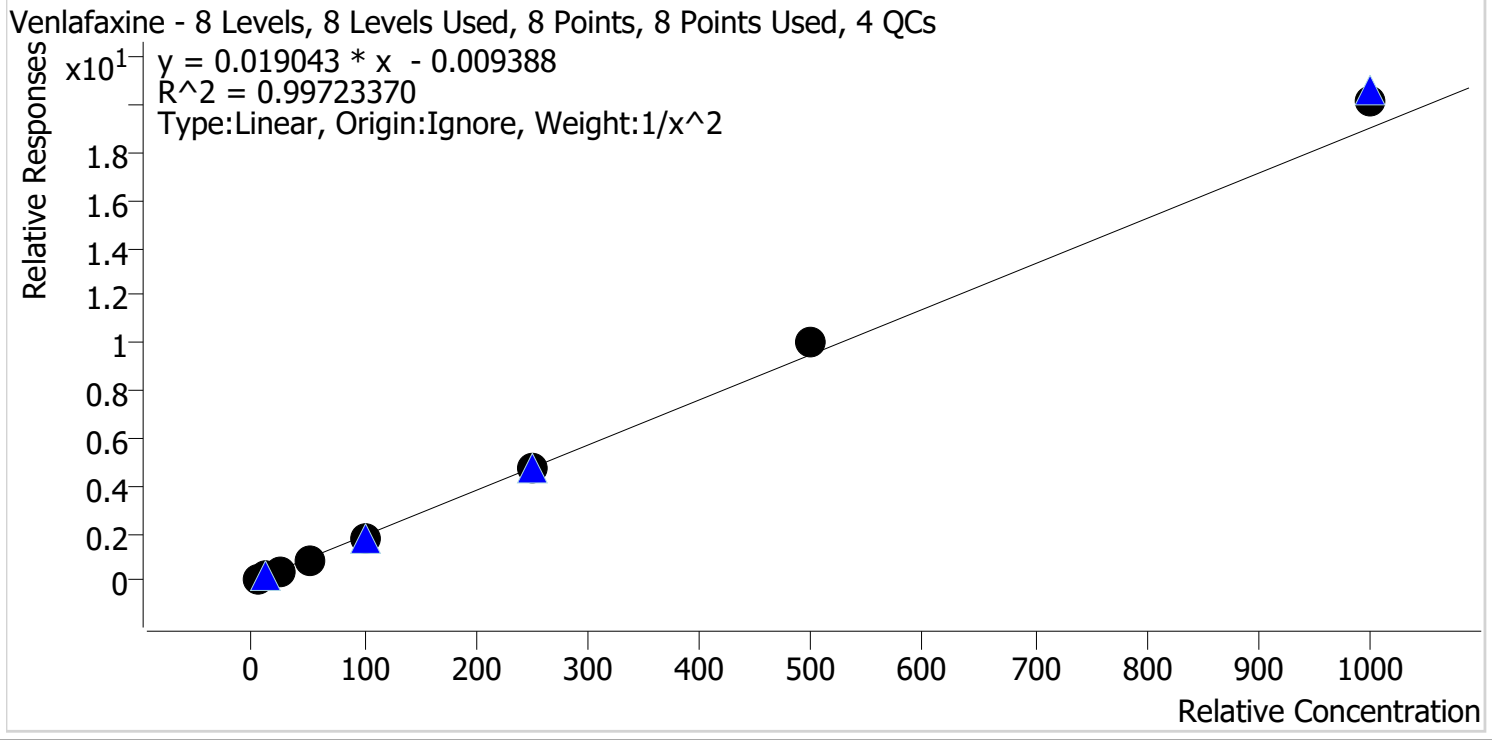


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	27.5	109.9
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	469.6	93.9
p1 Cal 8-1000ng	8	✓	1000.0	826.2	82.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 AM
Analyst Name ISP\Datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



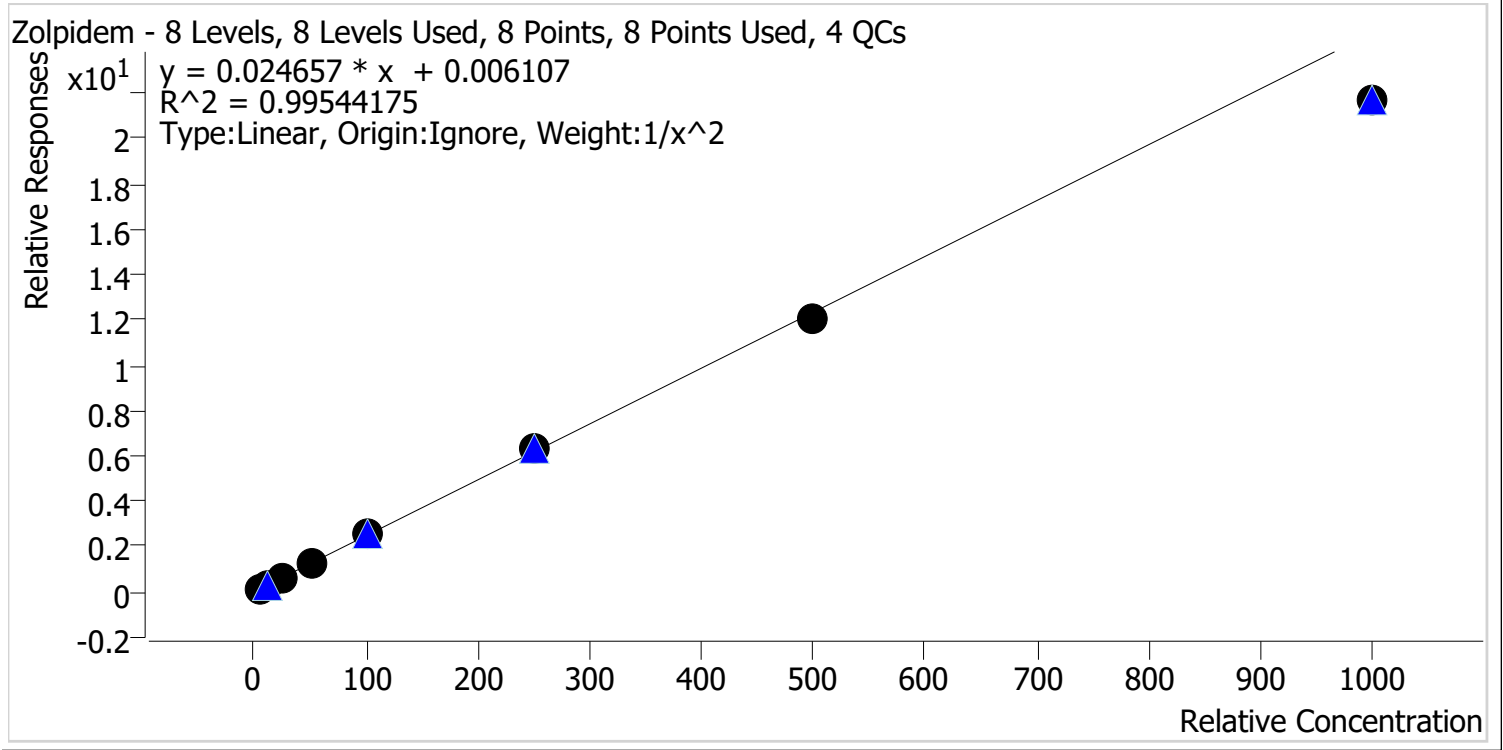
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	47.2	94.5
p1 Cal 5-100ng	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	527.7	105.5
p1 Cal 8-1000ng	8	✓	1000.0	1062.6	106.3

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 11/29/2023 7:10 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	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.6
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	259.3	103.7
p1 Cal 7-500ng	7	✓	500.0	488.4	97.7
p1 Cal 8-1000ng	8	✓	1000.0	877.8	87.8



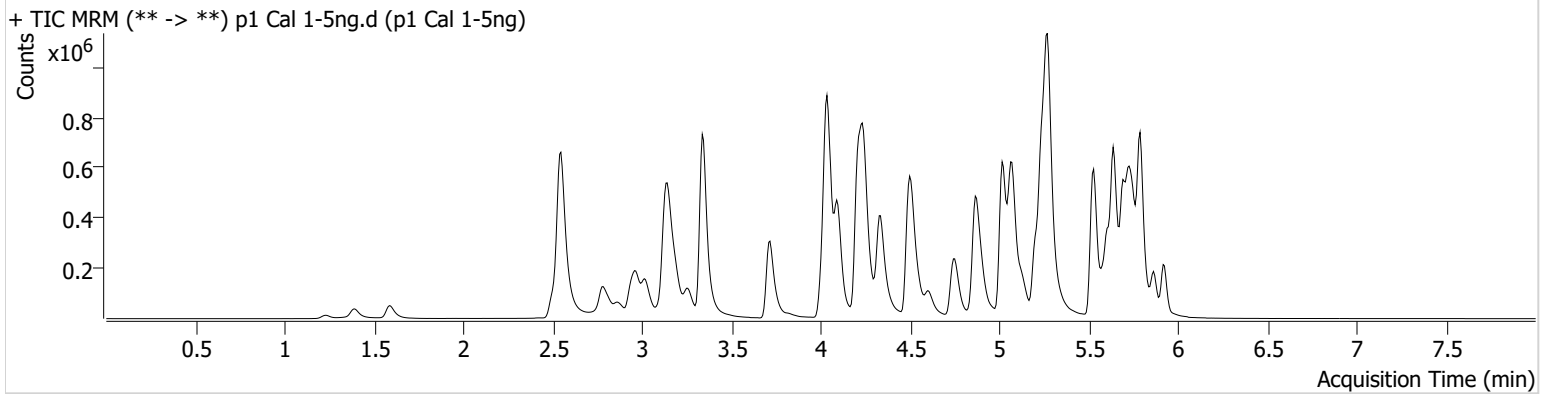
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 11/29/2023 7:10:05 AM

Instrument Falco (069901) **Data File** p1 Cal 1-5ng.d
Type Cal **Sample** p1 Cal 1-5ng
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-H12 **Comment**
Injection Volume 2
Acq. Date-Time 11/28/2023 1:22:53 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	3.112	1697	3939.58	75.4	1245.41	98032	0.5084 ng/ml
7-aminoclonazepam	4.238	19996	474.71	77.5	224.67	166764	4.8721 ng/ml
a-hydroxyalprazolam	5.669	14604	353.26	71.0	179.91	139985	5.1053 ng/ml
alpha-PHP	4.908	31158	706.07	267.5	4274.23	995263	4.9456 ng/ml
alpha-PVP	4.343	124961	281.57	47.0	259.40	995263	5.1065 ng/ml
Alprazolam	5.753	52528	1509.92	120.9	1882.88	503936	5.1919 ng/ml
Amphetamine	3.022	159180	2908.35	48.0	2247.13	441306	4.8107 ng/ml
Benzoylcegonine	3.851	3018	934.55	8.8	5.63	20522	5.2132 ng/ml
Bromazolam	5.791	23412	21289.23	119.4	37130.69	239943	4.9769 ng/ml
Buprenorphine	5.783	3009	41.78	13.7	499.99	192548	0.4968 ng/ml
Bupropion	4.765	104005	1427.19	68.9	856.10	650124	5.0492 ng/ml
Carisoprodol	5.701	51244	85740.52	59.4	81.73	449027	5.0967 ng/ml
Citalopram	5.206	86275	177.73	35.7	413.36	787007	5.1752 ng/ml
Clonazepam	5.588	69619	2249.69	33.0	2632.99	182853	4.8542 ng/ml
Clonazolam	5.532	46710	1067.27	29.8	12212.04	182853	4.7632 ng/ml
Cocaine	4.244	81557	46397.98	50.0	142.98	1299537	5.0224 ng/ml
Codeine	2.559	8862	17478.10	114.4	132.88	100740	4.9674 ng/ml
Cyclobenzaprine	5.612	66473	1283.90	9.7	40.83	627429	5.1831 ng/ml
Dextromethorphan	5.249	58449	88.10	81.5	1905.99	539683	5.1175 ng/ml
Dextrorphan	4.097	37129	1213.95	210.0	1277.81	871930	5.0609 ng/ml
Diazepam	5.925	37848	149.55	90.4	35235.86	366848	4.9462 ng/ml
Dihydrocodeine	2.531	26097	1982.78	57.3	269476.57	289323	4.8476 ng/ml
Diphenhydramine	5.277	231444	425.62	28.3	268.12	2208158	5.1633 ng/ml
Doxylamine	4.518	195337	1420.12	100.9	5760.52	1815337	5.2167 ng/ml
Duloxetine	5.638	5232	186.72	12.3	537.00	58316	4.9758 ng/ml
EDDP	5.242	117469	242.61	43.5	62709.85	1275277	5.1540 ng/ml
Etizolam	5.792	22827	15996.65	28.0	2221.30	182853	5.0772 ng/ml
Fentanyl	5.082	7533	1117.44	71.5	9112.96	827694	0.5170 ng/ml
Fluorofentanyl	5.136	19496	100.99	40.5	2095.44	6805	0.5214 ng/ml
Fluoxetine	5.698	58785	41049.44	7.4	5776.41	423313	5.1067 ng/ml
Hydrocodone	2.998	36833	1775.51	30.5	53.40	393948	4.8544 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.595	24244	1822.22	74.2	1375.98	154320	5.0746 ng/ml
Hydroxyzine	5.688	69507	3584.81	72.5	578.47	539683	5.1816 ng/ml
Ketamine	4.023	71349	229.84	37.4	353.32	577709	4.8487 ng/ml
Lamotrigine	4.254	7374	308.17	80.6	6703.28	1981777	4.9662 ng/ml
Lorazepam	5.724	56895	365.95	47.5	58.51	754815	4.7456 ng/ml
MDA	3.170	103820	747.26	31.5	370.54	639147	4.8289 ng/ml
MDMA	3.264	71247	18823.85	91.7	437.52	166226	5.1021 ng/ml
Meprobamate	4.875	21079	41.73	32.9	96.42	186494	4.7422 ng/ml
Methadone	5.644	162337	6172.96	45.7	304.80	1199228	5.1887 ng/ml
Methamphetamine	3.191	151464	1138.45	40.0	605.87	1375962	4.2456 ng/ml
Metoprolol	4.300	19607	1154.95	102.5	1436.69	1613197	4.8592 ng/ml
Mirtazapine	4.607	151349	2742.57	50.8	3701.60	995263	5.1723 ng/ml
Mitragynine	5.210	30158	26912.99	32.6	23294.30	1199228	4.9029 ng/ml
Morphine	1.240	4238	400.97	27.7	189.55	15013	5.0473 ng/ml
Norbuprenorphine	4.978	182	186.75	98.0	341.83	23846	0.3922 ng/ml
Nordiazepam	5.871	42355	933.61	59.3	249.40	271932	5.0479 ng/ml
Norfentanyl	4.058	16935	54641.63	34.2	79.07	1387732	0.5167 ng/ml
Norhydrocodone	3.040	6912	51.99	36.8	155.65	110541	5.3549 ng/ml
Noroxycodone	2.883	24758	454.68	46.7	330.08	153498	5.0637 ng/ml
O-desmethyl-tramadol	3.345	172583	5919.36	5.6	75.15	2006152	5.1477 ng/ml
o-desmethylvenlafaxine	4.056	188350	43432.72	19.7	102.06	411837	5.2760 ng/ml
Olanzapine	4.448	6636	148.21	50.6	135.05	32350	5.1101 ng/ml
Oxazepam	5.727	69113	97.87	70.6	957.45	754815	4.9803 ng/ml
Oxycodone	2.814	66073	641.85	27.0	1165.71	486664	5.0232 ng/ml
Oxymorphone	1.391	18304	170.48	46.5	361.51	124044	5.0658 ng/ml
Phentermine	3.753	34290	448.46	7.0	20.66	989820	4.8567 ng/ml
Promethazine	5.528	122781	386.87	32.1	1263.83	1098919	5.2104 ng/ml
Pseudoephedrine	2.555	189452	519.40	17.4	4521.41	1981777	5.1862 ng/ml
Quetiapine	5.531	107114	18496.03	53.5	63388.62	272867	4.8620 ng/ml
Sertraline	5.760	12621	425.55	99.7	146.80	119095	4.9521 ng/ml
Temazepam	5.795	111169	483.90	27.9	338.06	1089379	5.1029 ng/ml
Tramadol	4.219	161137	167.64	3.0	65.47	1613197	5.0050 ng/ml
Trazodone	5.122	149554	9022.29	54.9	87797.19	893361	4.8132 ng/ml
Venlafaxine	5.023	153227	2131.01	35.8	298.58	1725755	5.1556 ng/ml
Xylazine	4.051	61725	4104.97	43.8	166.61	456585	5.0196 ng/ml
Zolpidem	4.892	165961	133868.50	26.9	63690.45	1286288	4.9851 ng/ml



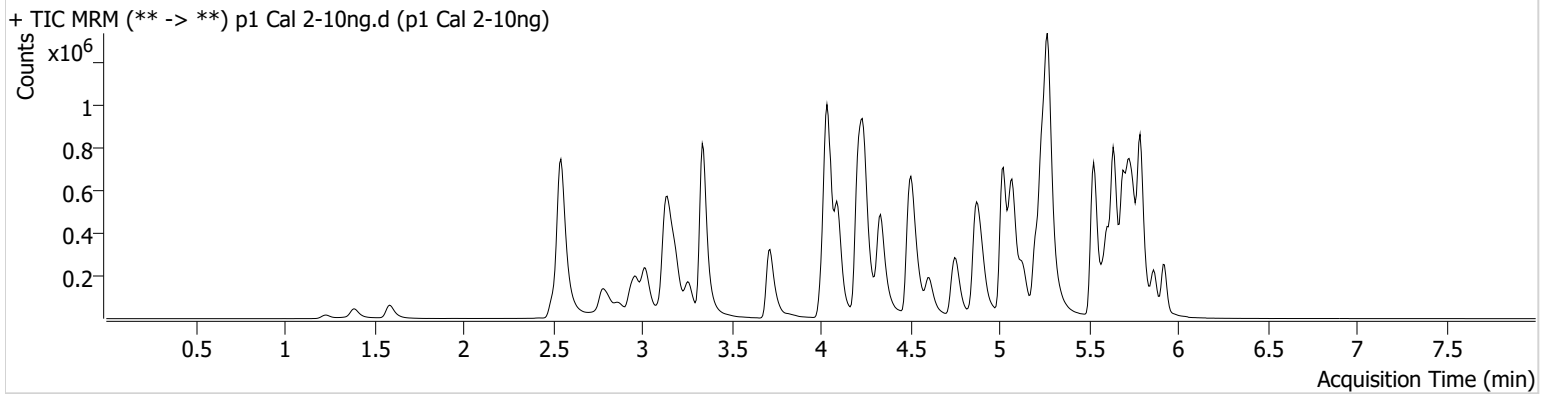
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 11/29/2023 7:10:05 AM

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 11/28/2023 1:33:40 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	3.105	3487	892.19	72.5	10844.59	104098	0.9916 ng/ml
7-aminoclonazepam	4.238	38752	679.32	78.8	79.49	164333	10.1415 ng/ml
a-hydroxyalprazolam	5.669	29006	121.83	71.5	28447.56	144828	9.6450 ng/ml
alpha-PHP	4.915	64677	794.64	262.0	1704.08	1027364	10.0651 ng/ml
alpha-PVP	4.343	256214	299.10	46.1	213.29	1027364	9.7565 ng/ml
Alprazolam	5.753	107801	323.48	120.3	426.65	522419	9.5597 ng/ml
Amphetamine	3.022	323827	531.64	47.8	2228.15	456089	10.3616 ng/ml
Benzoylcegonine	3.851	5552	1724.71	9.6	676.24	21299	9.1717 ng/ml
Bromazolam	5.791	46701	1565.22	115.2	68318.65	245263	9.9517 ng/ml
Buprenorphine	5.790	5619	5667.25	14.3	256.75	202141	1.0038 ng/ml
Bupropion	4.765	211255	203.45	67.9	2910.68	666579	9.8757 ng/ml
Carisoprodol	5.701	103895	2653.90	58.8	∞	468667	9.7015 ng/ml
Citalopram	5.206	171274	3242.98	36.2	138.53	821922	9.5070 ng/ml
Clonazepam	5.588	142157	10788.00	35.8	375.18	189275	10.1622 ng/ml
Clonazolam	5.532	96808	33266.53	31.7	36002.76	189275	10.4775 ng/ml
Cocaine	4.244	167774	195.61	48.9	85005.50	1358927	9.8996 ng/ml
Codeine	2.559	17242	1522.52	114.9	877.04	105207	9.7376 ng/ml
Cyclobenzaprine	5.612	137434	433.01	9.2	95.88	636823	9.6838 ng/ml
Dextromethorphan	5.249	114234	127.35	85.6	3749.85	554467	9.5668 ng/ml
Dextrorphan	4.097	76123	456.65	211.0	685.06	895723	9.8509 ng/ml
Diazepam	5.925	77961	313.54	89.6	263.23	372470	10.1277 ng/ml
Dihydrocodeine	2.531	53311	127704.11	59.0	75023.35	303329	10.1653 ng/ml
Diphenhydramine	5.277	471610	7570.83	28.0	185.41	2323393	9.5590 ng/ml
Doxylamine	4.518	398031	3506.93	100.2	27336.80	1921880	9.4744 ng/ml
Duloxetine	5.638	10834	684.23	11.5	28.76	58140	10.2521 ng/ml
EDDP	5.242	235068	3063.87	44.2	217.47	1328415	9.5680 ng/ml
Etizolam	5.792	49187	59102.57	26.5	25422.04	189275	9.9434 ng/ml
Fentanyl	5.082	14127	210.57	81.2	222.69	835874	0.9548 ng/ml
Fluorofentanyl	5.136	38929	412.80	38.8	1000.84	7193	0.9609 ng/ml
Fluoxetine	5.698	118195	5639.77	7.0	19326.85	438923	9.6628 ng/ml
Hydrocodone	2.998	74674	104.63	30.0	60.93	404953	10.2567 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.595	48695	562.57	75.0	2835.37	159371	9.7146 ng/ml
Hydroxyzine	5.688	143405	6074.95	76.1	1310.66	554467	9.6003 ng/ml
Ketamine	4.023	146170	224.94	35.9	47.36	600729	10.2359 ng/ml
Lamotrigine	4.254	14793	2989.69	77.7	570.42	2023463	10.0098 ng/ml
Lorazepam	5.724	113991	1582.30	46.3	209.85	775393	10.5785 ng/ml
MDA	3.170	210497	1130.11	30.7	722.51	651988	10.2975 ng/ml
MDMA	3.264	146725	33883.34	92.4	922.96	172603	9.7788 ng/ml
Meprobamate	4.875	44370	223.56	33.3	92.30	194176	10.5954 ng/ml
Methadone	5.644	328563	858.11	45.3	4030.82	1240351	9.5453 ng/ml
Methamphetamine	3.191	305794	873.07	40.3	203.57	1433264	9.5893 ng/ml
Metoprolol	4.300	40916	280.39	104.9	571.46	1670907	10.2212 ng/ml
Mirtazapine	4.607	314469	1680.21	51.6	2181.40	1027364	9.6576 ng/ml
Mitragynine	5.210	64716	129334.80	30.7	317.83	1240351	10.1094 ng/ml
Morphine	1.240	8328	781.81	30.2	622.10	15949	9.6857 ng/ml
Norbuprenorphine	4.971	642	15.29	98.3	2907.64	25425	1.2292 ng/ml
Nordiazepam	5.871	84275	579.66	60.2	410.06	288432	9.7149 ng/ml
Norfentanyl	4.058	34561	495.50	34.2	75.00	1411242	0.9727 ng/ml
Norhydrocodone	3.040	14154	71.01	36.4	74.15	113686	9.2302 ng/ml
Noroxycodone	2.883	48493	475.06	46.5	417.19	158742	9.7464 ng/ml
O-desmethyl-tramadol	3.345	351413	48442.58	5.6	151.99	2082775	9.6280 ng/ml
o-desmethylvenlafaxine	4.056	373656	29698.69	21.0	377.32	432999	9.3764 ng/ml
Olanzapine	4.448	16558	434.18	50.9	245.33	40363	9.8803 ng/ml
Oxazepam	5.727	138141	5870.10	78.6	81.89	775393	9.8837 ng/ml
Oxycodone	2.808	133412	211.84	27.3	573.26	505694	9.8346 ng/ml
Oxymorphone	1.391	37294	185.29	45.6	439.42	132732	9.7154 ng/ml
Phentermine	3.753	67856	274.30	7.8	66.15	1037569	9.9862 ng/ml
Promethazine	5.528	242130	573.31	32.9	689.54	1117533	9.4967 ng/ml
Pseudoephedrine	2.555	385692	8318.75	17.1	9007.14	2023463	9.6497 ng/ml
Quetiapine	5.538	212437	227.00	53.4	135926.60	288408	10.0196 ng/ml
Sertraline	5.760	28543	406.50	94.2	47480.91	125351	10.3416 ng/ml
Temazepam	5.795	228911	4280.11	28.0	303.40	1126319	9.7410 ng/ml
Tramadol	4.219	323958	∞	3.7	64.24	1670907	9.8843 ng/ml
Trazodone	5.129	295493	13236.85	56.7	4461.25	900532	10.1450 ng/ml
Venlafaxine	5.023	308779	72185.86	36.0	1760.53	1774441	9.6312 ng/ml
Xylazine	4.051	130172	95311.28	43.6	505.81	465700	10.0964 ng/ml
Zolpidem	4.892	331662	410880.39	28.3	1988.29	1343878	9.7615 ng/ml



AM #28 Multi-Drug Quant. Results

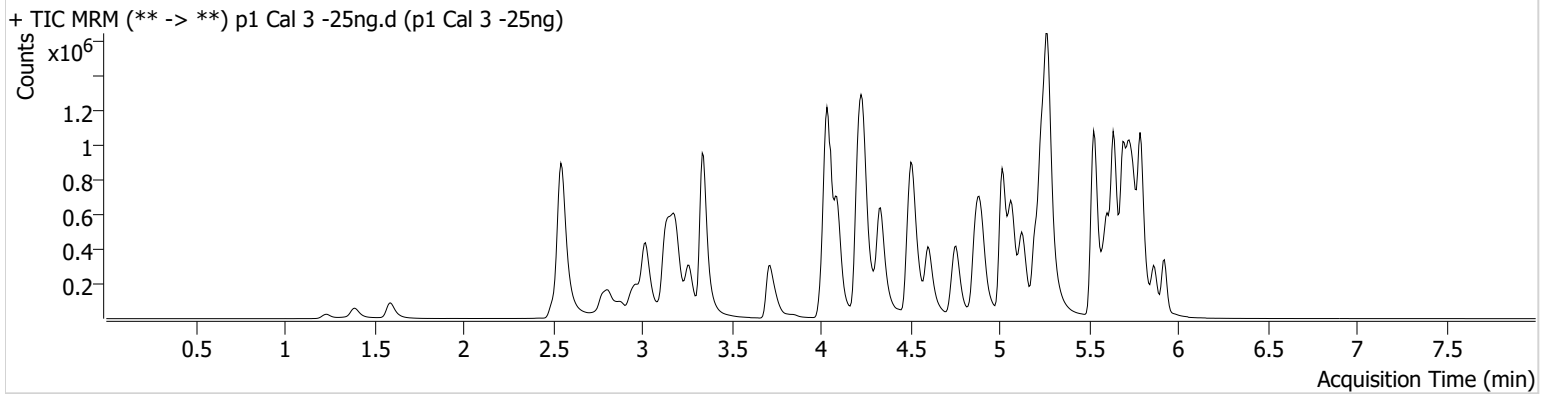
Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 11/29/2023 7:10:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F12
Injection Volume 2
Acq. Date-Time 11/28/2023 1:44:17 AM
Sample Info.

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

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.112	7658	618.93	77.6	11644.27	95341	2.3891 ng/ml
7-aminoclonazepam	4.231	104648	1597.52	82.7	1569.97	180273	25.8105 ng/ml
a-hydroxyalprazolam	5.669	69600	227.14	73.1	430.98	134370	24.6751 ng/ml
alpha-PHP	4.908	149946	308.81	270.0	3766.29	951608	25.3705 ng/ml
alpha-PVP	4.337	608052	46543.92	46.5	400.55	951608	24.3856 ng/ml
Alprazolam	5.753	253132	465.29	120.8	613.30	475888	23.4853 ng/ml
Amphetamine	3.022	753642	820.40	47.7	9301.75	426960	27.1287 ng/ml
Benzoylcegonine	3.851	14534	154.04	8.4	126.03	20632	24.6322 ng/ml
Bromazolam	5.791	106384	1241.49	120.2	7623.39	217482	25.9609 ng/ml
Buprenorphine	5.790	12475	3635.12	17.1	959.77	196833	2.4856 ng/ml
Bupropion	4.765	504267	27806.22	68.9	304.04	633826	24.5957 ng/ml
Carisoprodol	5.701	241119	24942.42	58.7	1064.22	417458	24.9381 ng/ml
Citalopram	5.206	413451	1084.70	37.0	110259.50	766374	24.0303 ng/ml
Clonazepam	5.588	330589	1568.34	34.4	12669.78	174570	26.5405 ng/ml
Clonazolam	5.532	217182	45418.32	32.2	50031.21	174570	26.8298 ng/ml
Cocaine	4.238	398870	8664.32	50.1	200.81	1267058	25.2729 ng/ml
Codeine	2.559	40866	7793.59	114.3	31596.49	96119	26.1532 ng/ml
Cyclobenzaprine	5.612	355404	363375.38	9.3	33.81	650968	23.2083 ng/ml
Dextromethorphan	5.249	280889	157788.27	83.5	200.59	518568	24.8483 ng/ml
Dextrorphan	4.097	180684	5744.03	208.9	6403.07	833451	24.7399 ng/ml
Diazepam	5.925	177868	2732.62	90.5	1213.01	338598	25.5547 ng/ml
Dihydrocodeine	2.531	127289	1186.93	57.5	308.60	284359	27.0653 ng/ml
Diphenhydramine	5.277	1142537	37730.75	28.6	12057.12	2166879	24.0794 ng/ml
Doxylamine	4.512	958409	741.15	100.5	16190.31	1795359	23.4550 ng/ml
Duloxetine	5.638	28741	1686.26	11.4	115.86	64131	24.5498 ng/ml
EDDP	5.242	566594	10566.75	43.1	6881.60	1232077	24.2868 ng/ml
Etizolam	5.792	112355	133778.42	28.7	27363.15	174570	23.7723 ng/ml
Fentanyl	5.075	35060	3125.83	79.2	41265.32	807578	2.4430 ng/ml
Fluorofentanyl	5.136	95655	235.26	40.4	1598.81	7156	2.3338 ng/ml
Fluoxetine	5.698	318115	9020.28	7.5	24897.27	452873	24.7951 ng/ml
Hydrocodone	2.998	175872	∞	31.4	122.25	381015	26.7297 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.595	118850	652861.29	73.0	1673.81	150064	24.9204 ng/ml
Hydroxyzine	5.688	347781	27628.50	76.6	35517.94	518568	23.6218 ng/ml
Ketamine	4.023	337577	11400.90	36.5	∞	555234	26.6317 ng/ml
Lamotrigine	4.254	34108	1093.06	84.2	31750.05	1886360	25.1442 ng/ml
Lorazepam	5.724	241655	6518.99	48.2	499.91	686624	27.2658 ng/ml
MDA	3.170	481907	1511.61	31.6	4604.31	600424	26.6521 ng/ml
MDMA	3.264	348656	3240.15	93.1	8630.34	162192	24.1996 ng/ml
Meprobamate	4.875	104134	1371.75	32.8	24294.04	185136	27.5237 ng/ml
Methadone	5.643	790682	15204.79	45.7	8026.73	1157008	23.6212 ng/ml
Methamphetamine	3.191	719274	29563.96	40.5	659.53	1344462	26.2312 ng/ml
Metoprolol	4.300	97797	3279.66	101.8	2358.43	1575731	26.5587 ng/ml
Mirtazapine	4.600	748538	5681.09	51.6	147254.43	951608	23.6507 ng/ml
Mitragynine	5.210	153584	755.84	33.4	47504.37	1157008	25.6293 ng/ml
Morphine	1.240	19595	1602.71	29.9	650.47	14643	25.4642 ng/ml
Norbuprenorphine	4.964	1454	102.60	99.1	1441.98	25215	2.7662 ng/ml
Nordiazepam	5.871	194719	570.28	61.8	530.65	261421	25.1998 ng/ml
Norfentanyl	4.058	80705	589.63	36.3	321.15	1308439	2.3530 ng/ml
Norhydrocodone	3.040	33374	221.38	35.1	∞	99564	22.4067 ng/ml
Noroxycodone	2.889	114296	923.89	45.8	1853.48	148470	24.8257 ng/ml
O-desmethyl-tramadol	3.345	852272	1438.44	5.5	1538.31	1949124	24.1767 ng/ml
o-desmethylvenlafaxine	4.056	871914	85827.39	21.1	668.96	394572	22.9919 ng/ml
Olanzapine	4.448	32530	218.59	56.0	489.87	32658	23.5057 ng/ml
Oxazepam	5.727	315265	8595.32	75.2	2021.18	686624	25.7951 ng/ml
Oxycodone	2.814	317403	853.68	27.4	769.55	469981	25.2975 ng/ml
Oxymorphone	1.391	83919	∞	46.9	284.85	116505	25.0279 ng/ml
Phentermine	3.746	163449	203.74	7.2	110.91	975899	27.0122 ng/ml
Promethazine	5.528	617281	1138.23	33.0	18039.43	1098477	23.6003 ng/ml
Pseudoephedrine	2.555	913612	31293.99	17.1	16550.12	1886360	23.4478 ng/ml
Quetiapine	5.538	508825	607.78	54.5	289884.94	268784	27.3568 ng/ml
Sertraline	5.760	77387	451.98	99.2	114746.34	140224	24.6950 ng/ml
Temazepam	5.795	517795	1862.26	28.9	1137.51	1000949	24.1362 ng/ml
Tramadol	4.219	777432	∞	3.5	121.31	1575731	25.4311 ng/ml
Trazodone	5.122	742789	16268.73	54.7	2021.80	873358	27.4737 ng/ml
Venlafaxine	5.016	743326	1721.81	35.8	292.87	1647893	24.1809 ng/ml
Xylazine	4.051	301380	1996.12	45.6	1145.14	439215	24.4004 ng/ml
Zolpidem	4.886	808886	847435.04	28.1	2164.22	1242480	26.1556 ng/ml



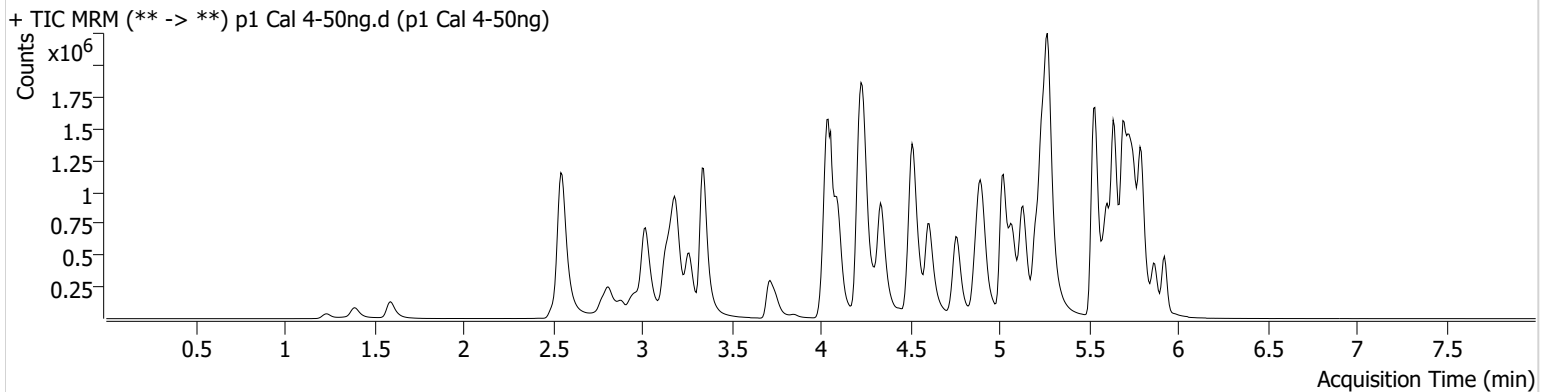
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 11/29/2023 7:10:05 AM

Instrument Falco (069901) Data File p1 Cal 4-50ng.d
Type Cal Sample p1 Cal 4-50ng
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum
Sample Position P2-E12 Comment
Injection Volume 2
Acq. Date-Time 11/28/2023 1:54:53 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	3.112	14749	56591.06	75.7	18987.46	91570	4.7993 ng/ml
7-aminoclonazepam	4.238	193216	4404.59	81.3	4124.89	162429	53.4975 ng/ml
a-hydroxyalprazolam	5.669	121623	267.75	73.3	1005.16	115411	50.0264 ng/ml
alpha-PHP	4.915	288290	2107.50	264.4	44950.34	896979	51.8717 ng/ml
alpha-PVP	4.343	1152701	542.86	46.9	706.95	896979	48.6476 ng/ml
Alprazolam	5.753	483665	1013.00	117.0	801.10	444975	47.2261 ng/ml
Amphetamine	3.022	1389455	20076.34	47.1	24093.92	415750	52.1877 ng/ml
Benzoylcegonine	3.851	27023	3246.37	8.0	617.52	18817	50.1230 ng/ml
Bromazolam	5.791	189491	236368.03	123.3	226846.64	202551	49.8801 ng/ml
Buprenorphine	5.790	24148	16436.24	15.5	3095.49	185679	5.2625 ng/ml
Bupropion	4.765	959914	123713.43	69.3	12511.67	599219	49.3927 ng/ml
Carisoprodol	5.701	414048	17316.05	60.3	1208.00	368791	48.2753 ng/ml
Citalopram	5.206	802667	467.16	36.0	6789.23	732799	48.4114 ng/ml
Clonazepam	5.588	604506	2445.86	34.7	595.63	160577	53.3561 ng/ml
Clonazolam	5.532	399214	9900.22	32.9	157437.53	160577	54.5516 ng/ml
Cocaine	4.244	740982	278.55	50.8	970.94	1210998	49.1419 ng/ml
Codeine	2.559	77641	11388.53	107.5	370.93	90471	53.3606 ng/ml
Cyclobenzaprine	5.612	745042	∞	9.0	85501.94	664301	46.7867 ng/ml
Dextromethorphan	5.249	547000	1025.89	83.1	66067.12	506874	49.3207 ng/ml
Dextrorphan	4.097	339103	553.10	211.4	2853.07	790201	48.7269 ng/ml
Diazepam	5.925	342460	1886.62	88.9	2164.34	332924	50.1276 ng/ml
Dihydrocodeine	2.531	234304	305.39	60.7	1358.34	272852	52.6178 ng/ml
Diphenhydramine	5.277	2186508	136658.42	28.7	398.51	2054518	48.1228 ng/ml
Doxylamine	4.518	1853856	499971.80	100.4	81608.68	1703194	47.1880 ng/ml
Duloxetine	5.638	64633	56870.53	12.2	574.09	73445	48.1329 ng/ml
EDDP	5.242	1098972	29488.95	42.6	610306.07	1183286	48.6804 ng/ml
Etizolam	5.792	211423	7621.19	27.8	54735.68	160577	48.0265 ng/ml
Fentanyl	5.082	69665	470.48	80.5	192.42	826233	4.7389 ng/ml
Fluorofentanyl	5.136	204240	720.93	38.2	1297.91	7807	4.5417 ng/ml
Fluoxetine	5.698	697046	18032.36	7.3	6540.99	498014	49.1523 ng/ml
Hydrocodone	2.998	330046	851.52	31.2	232.15	372850	51.9046 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.595	218603	523321.44	74.9	1930.73	137672	49.7979 ng/ml
Hydroxyzine	5.688	697260	20670.34	76.8	15487.66	506874	47.6121 ng/ml
Ketamine	4.023	637016	1967.62	37.1	268.16	534030	52.9274 ng/ml
Lamotrigine	4.261	65783	1219.12	80.8	4477.86	1769589	51.9715 ng/ml
Lorazepam	5.724	404035	4086.68	47.8	457.16	592645	54.1204 ng/ml
MDA	3.170	878067	4859.45	31.4	1906.12	556272	53.1011 ng/ml
MDMA	3.264	665129	3475.47	93.1	3428.75	152649	48.6962 ng/ml
Meprobamate	4.875	183558	5852.22	33.0	144.25	173174	52.7411 ng/ml
Methadone	5.643	1567745	15360.69	45.2	1438.08	1117338	47.8288 ng/ml
Methamphetamine	3.191	1382446	2016.03	40.2	11708.56	1305080	53.3587 ng/ml
Metoprolol	4.300	184872	216007.82	102.7	6462.05	1512834	52.7048 ng/ml
Mirtazapine	4.607	1432450	8745.55	51.0	6961.32	896979	47.2495 ng/ml
Mitragynine	5.210	307075	597164.35	32.6	67655.02	1117338	52.9998 ng/ml
Morphine	1.240	36012	207.70	31.8	30.67	13652	50.5959 ng/ml
Norbuprenorphine	4.978	2443	55.54	106.1	1317.75	24396	4.7806 ng/ml
Nordiazepam	5.871	369666	376.99	60.0	3575.36	244636	51.4112 ng/ml
Norfentanyl	4.058	148128	6068.98	37.1	2657.01	1203397	4.6322 ng/ml
Norhydrocodone	3.040	63850	169.70	35.0	157.04	92525	44.5992 ng/ml
Noroxycodone	2.889	216414	496.75	47.1	330.60	139150	50.3321 ng/ml
O-desmethyl-tramadol	3.345	1629372	77033.85	5.6	452.48	1864080	47.8432 ng/ml
o-desmethylvenlafaxine	4.056	1660370	67598.20	20.9	1313.98	371099	45.8837 ng/ml
Olanzapine	4.448	68224	1211.35	52.4	515.97	32923	48.5336 ng/ml
Oxazepam	5.734	539260	3050.33	75.3	1323.45	592645	51.3199 ng/ml
Oxycodone	2.808	607488	4909.64	27.8	961.21	452633	50.3505 ng/ml
Oxymorphone	1.391	160266	628.46	45.3	685.26	110930	50.2775 ng/ml
Phentermine	3.753	308277	584.58	7.2	353.19	921188	54.8922 ng/ml
Promethazine	5.528	1304876	1858.99	32.9	1827.71	1147204	47.1076 ng/ml
Pseudoephedrine	2.555	1734544	5053.38	17.1	22428.49	1769589	46.7427 ng/ml
Quetiapine	5.538	960019	58123.60	55.9	900662.83	267998	52.6791 ng/ml
Sertraline	5.760	185142	469.61	97.8	659.46	171359	48.0966 ng/ml
Temazepam	5.795	923114	8880.90	28.8	912.64	861890	49.5164 ng/ml
Tramadol	4.219	1473152	∞	3.5	279.62	1512834	50.3681 ng/ml
Trazodone	5.129	1434177	45690.73	57.6	603.24	872581	53.7837 ng/ml
Venlafaxine	5.023	1415178	1061.87	35.5	838.07	1589499	47.2478 ng/ml
Xylazine	4.051	569940	82961.40	45.6	4474.14	420101	47.9849 ng/ml
Zolpidem	4.892	1547663	2411.43	27.9	17392.26	1216999	51.3282 ng/ml



AM #28 Multi-Drug Quant. Results

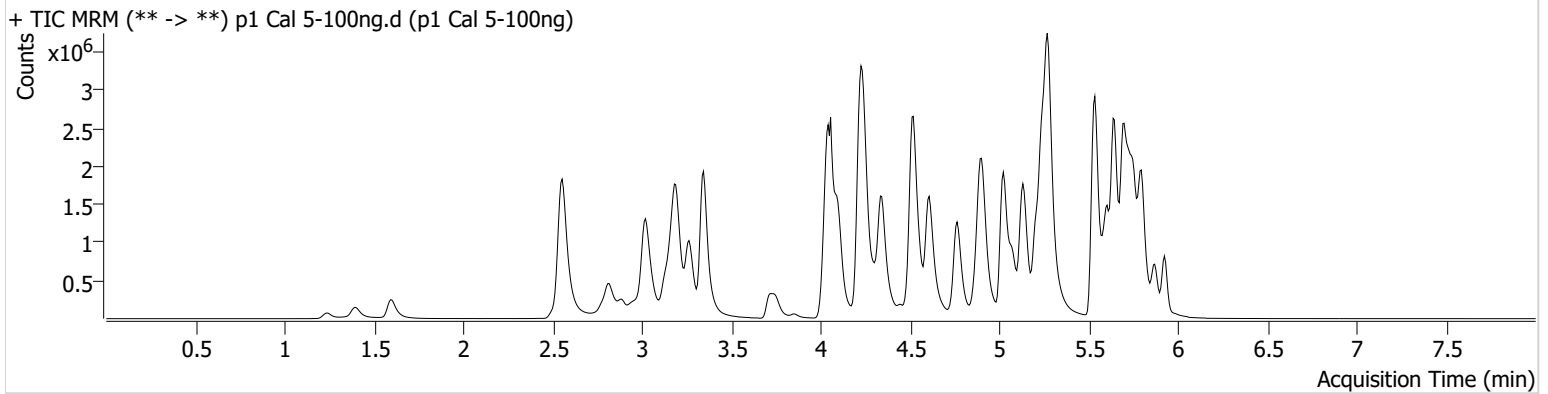
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Calibration Last Update 11/29/2023 7:10:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D12
Injection Volume 2
Acq. Date-Time 11/28/2023 2:05:31 AM
Sample Info.

Data File p1 Cal 5-100ng.d
Sample p1 Cal 5-100ng
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	3.112	32123	1078.15	76.6	1664.48	96806	9.8960 ng/ml
7-aminoclonazepam	4.238	362314	17911.21	77.3	2489.67	146996	111.4697 ng/ml
a-hydroxyalprazolam	5.669	231765	228.10	72.3	1224.53	112119	97.9671 ng/ml
alpha-PHP	4.915	607542	5239.60	263.9	32217.95	964887	101.7348 ng/ml
alpha-PVP	4.343	2450756	1472.37	48.0	104068.13	964887	95.7677 ng/ml
Alprazolam	5.753	990608	12241.91	115.1	2090.09	424662	100.5109 ng/ml
Amphetamine	3.022	2803537	6906.91	45.1	1610.33	428445	103.0628 ng/ml
Benzoylcegonine	3.851	59807	143.13	8.1	117.93	20430	102.0813 ng/ml
Bromazolam	5.791	357617	17736.03	123.7	489133.47	191418	99.8617 ng/ml
Buprenorphine	5.790	47387	1011.44	15.7	9407.69	192173	10.1159 ng/ml
Bupropion	4.765	2107326	1446080.07	68.4	23859.03	640852	101.2524 ng/ml
Carisoprodol	5.701	769298	18338.21	60.5	5573.67	333894	98.8477 ng/ml
Citalopram	5.206	1653932	1179.60	35.5	679.85	735729	98.9707 ng/ml
Clonazepam	5.588	1146320	11222.11	34.5	2351.12	154115	106.0093 ng/ml
Clonazolam	5.532	732713	115446.70	32.6	173296.71	154115	105.1776 ng/ml
Cocaine	4.244	1560727	657.55	51.2	41245.14	1244250	100.7620 ng/ml
Codeine	2.559	156820	285.26	105.3	4968.05	89298	109.7803 ng/ml
Cyclobenzaprine	5.612	1490049	502.74	8.9	21837.12	628928	97.8959 ng/ml
Dextromethorphan	5.249	1129650	543.02	79.3	492.59	511261	100.7865 ng/ml
Dextrorphan	4.097	708066	1768.84	212.8	3047.71	807832	99.2627 ng/ml
Diazepam	5.925	687505	833.29	90.3	499.94	336077	99.7791 ng/ml
Dihydrocodeine	2.531	491118	30563.63	59.6	21985.13	288620	105.0105 ng/ml
Diphenhydramine	5.277	4594608	773.43	28.7	530.71	2082783	99.2458 ng/ml
Doxylamine	4.518	4117726	323202.32	99.2	15491.62	1800769	98.4593 ng/ml
Duloxetine	5.638	111499	2306.48	12.3	1253.30	61604	98.9136 ng/ml
EDDP	5.242	2304281	39168.30	43.1	19097.97	1238378	97.1671 ng/ml
Etizolam	5.792	419191	7584.33	28.9	135996.55	154115	98.5987 ng/ml
Fentanyl	5.082	142098	671.16	81.5	1012163.85	835152	9.5567 ng/ml
Fluorofentanyl	5.136	413560	4268.13	39.0	3189.73	7592	9.4279 ng/ml
Fluoxetine	5.698	1185280	63947.32	7.3	81418.79	429387	96.6903 ng/ml
Hydrocodone	2.998	655218	∞	33.0	267.01	388723	99.4697 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.602	479264	2228328.39	73.6	5181.23	149665	100.2613 ng/ml
Hydroxyzine	5.688	1415739	640.05	80.3	262827.63	511261	95.0346 ng/ml
Ketamine	4.023	1304989	1039.89	37.0	627.16	569022	102.4088 ng/ml
Lamotrigine	4.261	132117	2279.48	85.1	3237.05	1783002	103.8538 ng/ml
Lorazepam	5.724	600837	1917.36	48.5	793.36	506082	95.2802 ng/ml
MDA	3.170	1647268	3677.37	30.8	3185.99	536060	104.0453 ng/ml
MDMA	3.264	1394507	15892.13	93.6	1153.19	157049	98.8771 ng/ml
Meprobamate	4.875	346779	11463.37	33.4	1874.05	177581	97.9971 ng/ml
Methadone	5.643	3290353	71774.41	44.5	565.36	1139564	97.7520 ng/ml
Methamphetamine	3.191	2916344	1777.29	40.2	24746.14	1377647	108.0816 ng/ml
Metoprolol	4.307	384539	3928.45	105.8	248637.87	1629084	102.2006 ng/ml
Mirtazapine	4.607	3141381	2801.66	49.6	83369.09	964887	95.5536 ng/ml
Mitragynine	5.217	631726	506092.02	32.1	2345.98	1139564	106.8470 ng/ml
Morphine	1.240	79172	579.34	29.3	380.29	14939	102.0669 ng/ml
Norbuprenorphine	4.978	5069	4959.95	100.4	7202.79	25870	9.3259 ng/ml
Nordiazepam	5.871	717979	14646.48	61.8	321.87	242328	101.0728 ng/ml
Norfentanyl	4.058	294306	16667.39	37.8	1796.88	1135256	9.6852 ng/ml
Norhydrocodone	3.046	140687	∞	36.0	156.06	94422	94.6213 ng/ml
Noroxycodone	2.889	435753	1203.52	47.2	1726.27	139436	101.3118 ng/ml
O-desmethyl-tramadol	3.345	3536851	97524.29	5.6	10264.38	1970618	97.7250 ng/ml
o-desmethylvenlafaxine	4.056	3461518	36727.65	20.4	1317.26	361705	97.3987 ng/ml
Olanzapine	4.448	228521	910.41	54.7	3199.71	55627	95.8828 ng/ml
Oxazepam	5.734	918721	8825.17	75.6	1671.59	506082	102.5905 ng/ml
Oxycodone	2.814	1293365	1796.22	27.8	1172.85	478394	101.5047 ng/ml
Oxymorphone	1.398	348093	∞	44.2	2691.32	121645	99.6578 ng/ml
Phentermine	3.753	630778	531.48	7.2	222.30	951786	109.6093 ng/ml
Promethazine	5.528	2646986	759.64	33.1	17859.03	1118743	97.2919 ng/ml
Pseudoephedrine	2.555	3621492	97592.12	16.8	48675.45	1783002	96.1128 ng/ml
Quetiapine	5.538	1960065	45952.29	58.4	671667.79	272396	106.8500 ng/ml
Sertraline	5.760	279537	5813.70	100.3	7013.25	127709	97.1731 ng/ml
Temazepam	5.795	1695447	15935.76	28.6	567.86	791202	98.6442 ng/ml
Tramadol	4.219	3196232	∞	3.8	127.79	1629084	101.6659 ng/ml
Trazodone	5.129	2948545	56043.95	59.7	297.27	894949	108.5547 ng/ml
Venlafaxine	5.023	3069850	53116.88	34.7	1058.53	1676626	96.6447 ng/ml
Xylazine	4.051	1182730	55320.58	47.7	2678.28	421892	98.8729 ng/ml
Zolpidem	4.892	3394386	4461021.19	27.1	2064.15	1293140	106.2098 ng/ml



AM #28 Multi-Drug Quant. Results

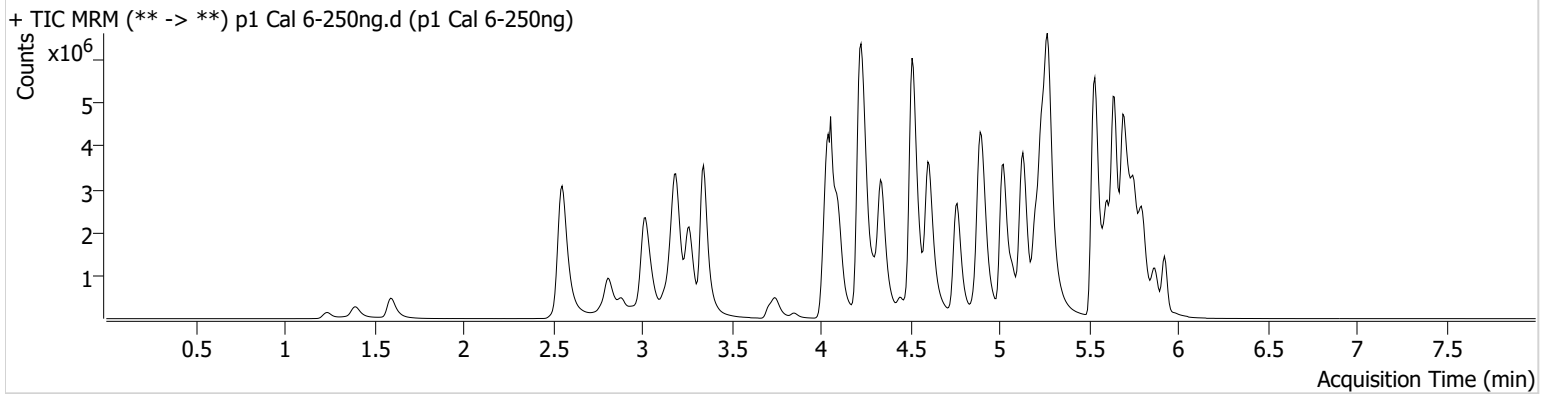
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Calibration Last Update 11/29/2023 7:10:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C12
Injection Volume 2
Acq. Date-Time 11/28/2023 2:16:09 AM
Sample Info.

Data File p1 Cal 6-250ng.d
Sample p1 Cal 6-250ng
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	3.112	73933	35117.44	75.7	52711.03	87069	25.3359 ng/ml
7-aminoclonazepam	4.238	659976	5261.22	77.9	1201.78	115207	259.8428 ng/ml
a-hydroxyalprazolam	5.669	392799	314.35	71.7	548.40	75795	245.3497 ng/ml
alpha-PHP	4.908	1346275	27783.50	255.2	11592.36	846700	257.0864 ng/ml
alpha-PVP	4.343	5594498	1784.00	48.9	41284.79	846700	248.5031 ng/ml
Alprazolam	5.753	1952423	2181.53	111.7	1593.50	330748	253.2271 ng/ml
Amphetamine	3.022	5303259	3437.13	44.9	93982.41	398531	210.5425 ng/ml
Benzoylcegonine	3.851	138419	340.72	8.4	64.73	18787	256.7920 ng/ml
Bromazolam	5.791	636968	49547.88	124.9	2448.01	137971	247.1416 ng/ml
Buprenorphine	5.790	103339	2088.77	15.0	15114.75	168459	25.3946 ng/ml
Bupropion	4.765	4807021	66518.17	69.0	987.00	590861	250.3174 ng/ml
Carisoprodol	5.708	1177098	163872.61	59.8	3620.51	205081	245.9305 ng/ml
Citalopram	5.206	3555907	3423.92	35.8	27621.10	608294	256.7746 ng/ml
Clonazepam	5.588	1934753	57680.59	34.0	11618.83	109813	251.9297 ng/ml
Clonazolam	5.532	1149969	7752.47	34.5	329758.06	109813	232.7962 ng/ml
Cocaine	4.244	3365079	768.33	51.5	557.07	1106983	244.2208 ng/ml
Codeine	2.559	295303	1149.99	106.3	∞	74799	247.4947 ng/ml
Cyclobenzaprine	5.612	3459815	128353.80	8.3	39686.14	567313	250.6698 ng/ml
Dextromethorphan	5.249	2317939	50379.56	77.8	907.25	417764	252.8064 ng/ml
Dextrorphan	4.097	1501961	995.38	216.7	74997.78	682127	248.9808 ng/ml
Diazepam	5.925	1433176	15019.75	90.3	1420.76	279361	250.3645 ng/ml
Dihydrocodeine	2.531	1032408	2524.05	61.7	488.59	264765	241.6190 ng/ml
Diphenhydramine	5.277	10152352	1518.37	28.3	970.27	1794176	253.8353 ng/ml
Doxylamine	4.512	10098249	222663.75	96.7	32485.41	1674979	258.5916 ng/ml
Duloxetine	5.638	241740	1128.81	12.4	445.29	53572	246.4949 ng/ml
EDDP	5.242	5146270	33755.29	42.9	58000.83	1073236	249.8293 ng/ml
Etizolam	5.792	830745	1906.71	28.3	100099.50	109813	273.2012 ng/ml
Fentanyl	5.082	352344	52624.96	79.5	465.42	799526	24.7426 ng/ml
Fluorofentanyl	5.136	974286	7081.32	38.5	2862.68	6470	26.0163 ng/ml
Fluoxetine	5.698	2586917	45189.60	7.3	441.33	359039	251.9670 ng/ml
Hydrocodone	2.992	1434717	∞	34.8	353.51	351453	241.9025 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.595	1029934	4959636.51	74.2	5379.88	127826	252.0245 ng/ml
Hydroxyzine	5.688	3179671	13081.71	82.4	16327.64	417764	259.8150 ng/ml
Ketamine	4.023	2710996	7391.41	36.7	3995.60	498098	244.0046 ng/ml
Lamotrigine	4.261	258968	1761.89	87.1	504719.66	1451748	250.3865 ng/ml
Lorazepam	5.724	759942	10448.43	48.2	2890.89	264391	232.6535 ng/ml
MDA	3.163	2981968	59967.59	30.6	3857.46	424446	238.7881 ng/ml
MDMA	3.264	3087946	89928.89	94.9	9896.25	139020	246.8243 ng/ml
Meprobamate	4.875	613819	431.32	32.7	202.86	144676	214.0709 ng/ml
Methadone	5.643	7635674	387494.11	43.9	670.37	999688	257.5399 ng/ml
Methamphetamine	3.191	6525514	2038.00	38.9	2410.48	1297047	258.8642 ng/ml
Metoprolol	4.300	813345	6517.67	106.3	706083.88	1494600	236.1720 ng/ml
Mirtazapine	4.607	7264880	47438.76	48.1	222996.21	846700	250.6102 ng/ml
Mitragynine	5.210	1335725	3376.58	32.7	23374.40	999688	257.4455 ng/ml
Morphine	1.240	170507	1727.49	28.9	245.87	12553	262.2257 ng/ml
Norbuprenorphine	4.978	12477	5819.12	97.8	85.19	23562	25.1529 ng/ml
Nordiazepam	5.871	1350040	5893.89	60.3	4577.25	186933	246.7732 ng/ml
Norfentanyl	4.058	549163	7785.06	38.5	5308.13	822004	24.8588 ng/ml
Norhydrocodone	3.040	318395	500.90	37.3	301.06	80177	249.7826 ng/ml
Noroxycodone	2.883	896360	12192.86	47.0	671.28	116331	250.0498 ng/ml
O-desmethyl-tramadol	3.345	8308016	171345.30	5.6	1197.59	1769135	254.9111 ng/ml
o-desmethylvenlafaxine	4.056	7090167	247859.57	20.4	1450.88	282452	254.4184 ng/ml
Olanzapine	4.448	730594	2121.21	55.9	13244.58	67355	252.6111 ng/ml
Oxazepam	5.727	1157032	6266.10	75.8	6194.76	264391	247.5996 ng/ml
Oxycodone	2.808	2929254	2189.87	28.1	2464.93	442511	248.6460 ng/ml
Oxymorphone	1.398	736053	∞	46.5	∞	101422	252.8658 ng/ml
Phentermine	3.753	1321205	2128.98	7.0	92.57	860413	255.1779 ng/ml
Promethazine	5.528	6508132	1541.12	32.1	1700.43	1035556	257.3563 ng/ml
Pseudoephedrine	2.555	7716580	139871.57	16.7	445.24	1451748	250.3996 ng/ml
Quetiapine	5.538	4154979	109900.62	58.8	78645.01	245045	253.1713 ng/ml
Sertraline	5.760	655692	87714.65	95.2	8531.77	117424	247.4931 ng/ml
Temazepam	5.801	2669084	17417.79	27.8	154.46	476093	257.3867 ng/ml
Tramadol	4.219	7008422	7141.47	3.8	486.80	1494600	243.2332 ng/ml
Trazodone	5.129	6584174	2863.54	62.2	243409.51	873455	249.3238 ng/ml
Venlafaxine	5.023	7178667	2570.35	33.3	8399.96	1497214	252.2815 ng/ml
Xylazine	4.051	2538228	8453.12	49.0	6941.88	353520	252.8135 ng/ml
Zolpidem	4.892	7761947	270974.01	27.1	10069.49	1212639	259.3492 ng/ml



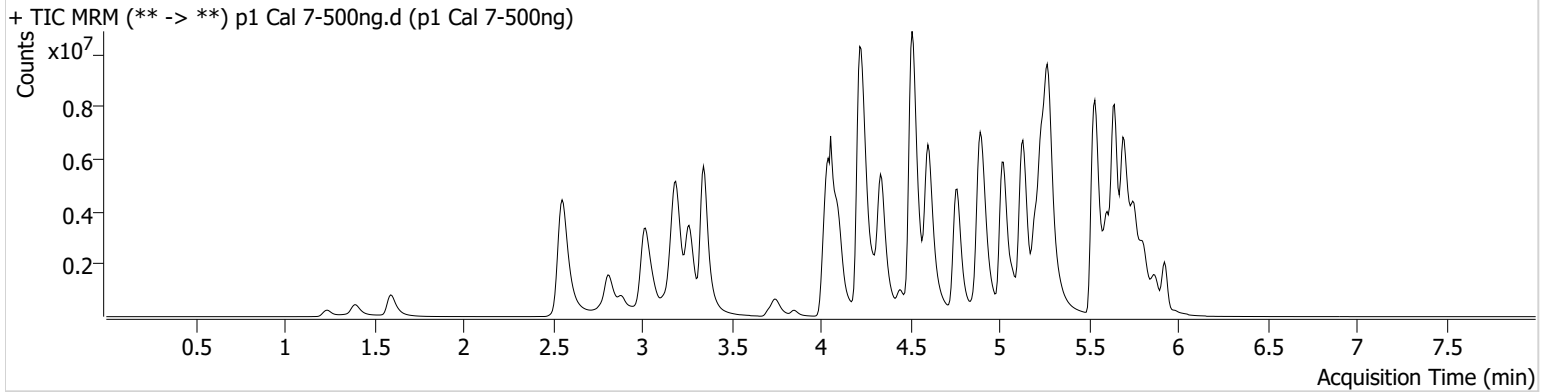
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 11/29/2023 7:10:05 AM

Instrument Falco (069901) Data File p1 Cal 7-500ng.d
Type Cal Sample p1 Cal 7-500ng
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum
Sample Position P2-B12 Comment
Injection Volume 2
Acq. Date-Time 11/28/2023 2:26:46 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	3.112	136091	635.79	73.8	34532.24	79520	51.0722 ng/ml
7-aminoclonazepam	4.231	860323	8726.28	82.3	3081.04	82560	473.1377 ng/ml
a-hydroxyalprazolam	5.669	490850	1100.29	70.5	435.26	43928	528.8119 ng/ml
alpha-PHP	4.915	2265775	1280.30	262.1	10554.18	740664	494.7280 ng/ml
alpha-PVP	4.337	10263579	1237.42	48.5	∞	740664	520.7380 ng/ml
Alprazolam	5.753	2971858	651.06	111.2	1139.27	242173	525.6341 ng/ml
Amphetamine	3.022	7895539	92759.72	44.3	105287.71	354514	352.9980 ng/ml
Benzoylcegonine	3.851	272637	∞	8.4	963.60	19540	486.2172 ng/ml
Bromazolam	5.791	886831	11310.60	123.8	1384651.84	95670	496.4801 ng/ml
Buprenorphine	5.790	167220	292761.52	14.7	6791.23	140376	49.4584 ng/ml
Bupropion	4.765	9255250	298517.86	68.2	73125.68	559907	508.4619 ng/ml
Carisoprodol	5.708	1419140	47130.88	59.9	18054.66	120331	505.1033 ng/ml
Citalopram	5.199	5686782	1813.64	36.0	730.94	482534	517.2984 ng/ml
Clonazepam	5.588	2381497	9323.26	34.2	27400.42	71502	476.7957 ng/ml
Clonazolam	5.539	1368362	70494.72	35.7	625432.60	71502	426.2083 ng/ml
Cocaine	4.244	5818194	14528.20	51.9	1997.91	930466	502.3823 ng/ml
Codeine	2.559	471510	5220.49	103.0	4779.22	61172	483.7399 ng/ml
Cyclobenzaprine	5.612	5608832	102314.91	8.0	13204.22	442741	519.8004 ng/ml
Dextromethorphan	5.249	3573744	559.63	75.8	378.11	324266	501.9722 ng/ml
Dextrorphan	4.097	2512567	882.56	217.2	2472.14	556674	510.1116 ng/ml
Diazepam	5.925	2291677	8912.54	89.7	3360.18	228705	489.0955 ng/ml
Dihydrocodeine	2.524	1727543	1461.95	61.4	5937.23	248592	431.2017 ng/ml
Diphenhydramine	5.277	16684720	866.62	28.7	936.69	1440979	518.9196 ng/ml
Doxylamine	4.512	19726137	199649.72	93.9	34841.50	1544395	547.1649 ng/ml
Duloxetine	5.631	300433	4349.14	12.8	3750.37	32276	508.3858 ng/ml
EDDP	5.242	9212528	4726.13	41.3	2287.85	942389	508.9489 ng/ml
Etizolam	5.792	1309449	1149.43	29.3	349450.88	71502	660.5456 ng/ml
Fentanyl	5.082	670990	333528.84	77.5	319828.95	726411	51.8549 ng/ml
Fluorofentanyl	5.136	1690018	18545.57	39.9	9176.44	5416	53.8789 ng/ml
Fluoxetine	5.698	3397893	185325.41	7.3	77812.37	235529	504.2536 ng/ml
Hydrocodone	2.992	2640896	8574.70	34.8	960.22	320408	489.1313 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.595	1917345	1066.04	74.7	6358635.61	118825	504.5517 ng/ml
Hydroxyzine	5.688	5313756	164661.82	86.4	404543.09	324266	558.4669 ng/ml
Ketamine	4.016	4395511	4638.02	35.6	9479.92	447041	441.3715 ng/ml
Lamotrigine	4.261	378824	4350.41	86.2	20734.14	1155881	460.2434 ng/ml
Lorazepam	5.724	758845	14311.73	47.2	3223.71	132411	465.2605 ng/ml
MDA	3.163	4164460	41964.47	30.0	1304.12	321845	440.3848 ng/ml
MDMA	3.264	5369367	55393.78	94.8	7091.31	117903	505.6889 ng/ml
Meprobamate	4.868	846527	21748.73	31.8	16799.82	114156	374.8969 ng/ml
Methadone	5.644	13583909	321395.20	42.5	1357.91	849380	538.5473 ng/ml
Methamphetamine	3.191	11330510	2266.27	38.3	126709.65	1218629	479.6294 ng/ml
Metoprolol	4.300	1281322	112546.35	106.6	6090.61	1206122	461.4527 ng/ml
Mirtazapine	4.600	13650250	125704.04	47.2	135399.86	740664	537.4393 ng/ml
Mitragynine	5.210	2104843	5020.14	33.3	417.99	849380	477.4245 ng/ml
Morphine	1.240	306847	1269.62	29.2	∞	12538	472.8203 ng/ml
Norbuprenorphine	4.978	22807	28920.28	98.7	7023.34	22479	48.1640 ng/ml
Nordiazepam	5.871	1897167	257926.70	60.2	∞	128349	505.3626 ng/ml
Norfentanyl	4.064	763987	9485.74	38.3	8971.15	542848	52.2967 ng/ml
Norhydrocodone	3.046	610327	∞	36.1	695.82	70881	539.9095 ng/ml
Noroxycodone	2.889	1513288	1393.00	47.5	5079.80	98143	500.5545 ng/ml
O-desmethyl-tramadol	3.345	15302011	770863.11	5.7	29537.58	1573646	527.3084 ng/ml
o-desmethylvenlafaxine	4.056	11000315	∞	19.8	5897.60	208467	534.0979 ng/ml
Olanzapine	4.442	1599170	2895.66	58.5	3304.12	72269	514.9820 ng/ml
Oxazepam	5.727	1155034	8559.86	72.7	6895.27	132411	493.7405 ng/ml
Oxycodone	2.808	5364356	14126.67	28.1	3002.49	404577	498.1196 ng/ml
Oxymorphone	1.391	1342924	∞	45.1	∞	89375	523.6216 ng/ml
Phentermine	3.753	2110224	1199.84	7.0	∞	768928	456.7857 ng/ml
Promethazine	5.528	11239946	83007.08	31.8	1369.30	878432	523.3025 ng/ml
Pseudoephedrine	2.555	13044577	2405.88	16.3	69484.26	1155881	530.8581 ng/ml
Quetiapine	5.538	6648607	106704.88	59.5	61723.48	209575	474.5671 ng/ml
Sertraline	5.760	856168	3040.33	97.4	827.03	75363	503.2561 ng/ml
Temazepam	5.808	3236528	11852.69	28.1	3369.10	287296	516.7791 ng/ml
Tramadol	4.219	12374707	2307.54	3.5	737.04	1206122	532.4095 ng/ml
Trazodone	5.129	11587081	193726.63	65.7	97450.90	817271	469.5852 ng/ml
Venlafaxine	5.023	13251761	122519.28	32.2	53912.98	1319964	527.7074 ng/ml
Xylazine	4.051	4486206	109141.11	49.9	20139.67	304954	517.7216 ng/ml
Zolpidem	4.886	13797921	7345.65	26.8	235953.36	1145260	488.3711 ng/ml



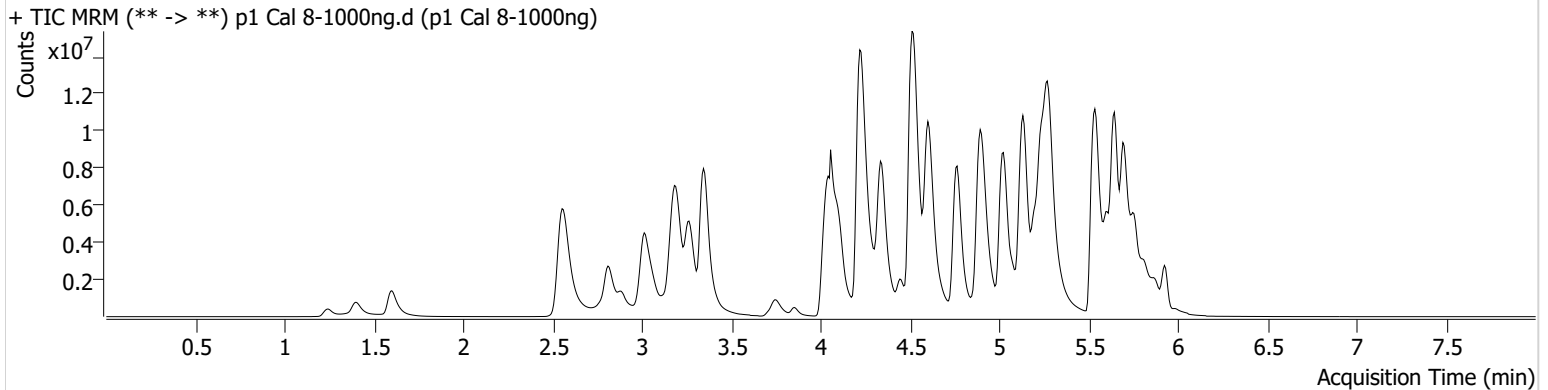
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\112723 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 11/29/2023 7:10:05 AM

Instrument Falco (069901) Data File p1 Cal 8-1000ng.d
Type Cal Sample p1 Cal 8-1000ng
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum
Sample Position P2-A12 Comment
Injection Volume 2
Acq. Date-Time 11/28/2023 2:37:23 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	3.112	242084	64195.59	71.3	496064.09	68707	105.1567 ng/ml
7-aminoclonazepam	4.238	908470	6386.74	74.8	5312.97	51030	808.7212 ng/ml
a-hydroxyalprazolam	5.669	472055	877.42	74.4	599.64	22155	1008.2066 ng/ml
alpha-PHP	4.915	3515006	1698.44	263.6	56925.54	620004	916.9602 ng/ml
alpha-PVP	4.343	17520167	1343.26	49.3	37159.13	620004	1061.4975 ng/ml
Alprazolam	5.753	3986011	504.47	108.9	497.84	162117	1052.4165 ng/ml
Amphetamine	3.022	10536773	137236.81	44.0	76895.37	316205	528.6140 ng/ml
Benzoylcegonine	3.851	577176	1906.23	8.2	5858.96	19487	1032.0271 ng/ml
Bromazolam	5.785	1118028	486826.39	125.3	903708.23	60302	993.2821 ng/ml
Buprenorphine	5.790	250708	201321.97	14.5	40736.33	110968	93.9409 ng/ml
Bupropion	4.765	16496192	967049.22	68.1	171874.92	507263	1000.1901 ng/ml
Carisoprodol	5.708	1442646	11005.54	59.6	26005.99	57999	1065.0740 ng/ml
Citalopram	5.199	7917339	320.60	35.9	584.26	336166	1033.4146 ng/ml
Clonazepam	5.582	2361629	4186.94	34.2	6981.27	39206	862.7919 ng/ml
Clonazolam	5.552	1321455	125576.89	35.9	152572.69	39206	751.3686 ng/ml
Cocaine	4.244	9346924	9749.04	50.6	∞	734414	1022.5463 ng/ml
Codeine	2.566	667590	∞	105.8	20213.28	48508	864.1487 ng/ml
Cyclobenzaprine	5.612	8536189	462.84	7.7	32243.44	315355	1109.6931 ng/ml
Dextromethorphan	5.249	4874973	524.87	76.5	434.61	218406	1016.4473 ng/ml
Dextrorphan	4.097	3795134	45153.66	221.3	73300.74	416395	1029.8237 ng/ml
Diazepam	5.925	3458101	22892.26	88.1	∞	169520	995.8055 ng/ml
Dihydrocodeine	2.524	2723719	1721.59	62.8	2269.91	234862	720.1021 ng/ml
Diphenhydramine	5.277	24807152	780.92	30.0	586.00	1068349	1040.1725 ng/ml
Doxylamine	4.512	32773555	285522.93	95.3	27405.01	1383904	1013.9772 ng/ml
Duloxetine	5.631	345944	1590.97	12.6	498.48	18113	1043.0800 ng/ml
EDDP	5.235	16289881	4249.37	40.6	792.66	786117	1078.4331 ng/ml
Etizolam	5.792	1954356	21852.91	28.7	960901.32	39206	1796.9824 ng/ml
Fentanyl	5.082	1297872	24797.22	76.4	2907675.81	660015	110.3841 ng/ml
Fluorofentanyl	5.136	2827662	122086.57	40.4	21319.62	4464	109.3390 ng/ml
Fluoxetine	5.698	4590467	32486.75	7.2	225473.69	152152	1054.2562 ng/ml
Hydrocodone	2.992	4713661	996.82	35.4	∞	292926	955.6114 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydromorphone	1.602	3407404	9797264.03	74.8	5521.23	106419	1001.0260 ng/ml
Hydroxyzine	5.688	8231058	448394.05	86.5	4893800.05	218406	1283.3306 ng/ml
Ketamine	4.016	6121127	2165.05	36.5	15241.26	370952	741.2007 ng/ml
Lamotrigine	4.267	449462	3012.73	87.4	33233.75	859579	734.4508 ng/ml
Lorazepam	5.724	722422	41343.31	49.7	6311.68	58390	1006.0533 ng/ml
MDA	3.157	5079600	22463.99	29.7	2738.86	239993	720.8142 ng/ml
MDMA	3.264	8663976	163796.66	95.8	73409.70	89682	1072.3560 ng/ml
Meprobamate	4.868	1000520	15925.30	31.4	299.31	87971	575.5105 ng/ml
Methadone	5.644	20619604	121949.52	44.9	361.87	679347	1021.5204 ng/ml
Methamphetamine	3.191	17863884	142802.13	37.5	1285.99	1156222	797.9673 ng/ml
Metoprolol	4.300	1775848	3514815.49	106.3	203628.09	1040489	741.6167 ng/ml
Mirtazapine	4.600	22890677	25077.53	47.8	374211.31	620004	1075.9034 ng/ml
Mitragynine	5.210	3068710	63906.17	34.6	21910925.8	679347	870.2159 ng/ml
Morphine	1.247	531250	1657.91	29.0	885.46	10518	976.2737 ng/ml
Norbuprenorphine	4.971	40616	121.52	94.9	59488.17	18861	102.1890 ng/ml
Nordiazepam	5.871	2378902	13919.31	59.9	13918.97	83511	974.1722 ng/ml
Norfentanyl	4.064	873495	293.72	39.1	6125.70	290279	111.7453 ng/ml
Norhydrocodone	3.040	1086447	∞	39.3	1617.49	57039	1192.5814 ng/ml
Noroxycodone	2.883	2517041	2544.27	46.2	29652.42	81846	998.5197 ng/ml
O-desmethyl-tramadol	3.345	25575007	152662.44	5.9	67491.97	1342986	1032.2176 ng/ml
o-desmethylvenlafaxine	4.056	14669991	113547.14	19.5	7389.97	133690	1109.9626 ng/ml
Olanzapine	4.448	3320918	4584.66	59.8	25225.23	71550	1079.8090 ng/ml
Oxazepam	5.727	983500	176.18	73.3	8834.74	58390	953.5758 ng/ml
Oxycodone	2.808	9708166	5553.84	27.9	2464.48	369506	987.1129 ng/ml
Oxymorphone	1.398	2394337	∞	45.3	2652.78	87527	953.3553 ng/ml
Phentermine	3.753	3269572	∞	6.9	608.32	663186	821.3217 ng/ml
Promethazine	5.528	18658889	114951.32	31.1	44295.62	710643	1073.1376 ng/ml
Pseudoephedrine	2.562	20125288	1272.80	16.1	646.48	859579	1100.5836 ng/ml
Quetiapine	5.544	9515764	207233.79	60.2	143238.79	168127	847.4691 ng/ml
Sertraline	5.760	1191504	26176.08	92.8	980.19	49900	1057.4628 ng/ml
Temazepam	5.815	3501208	61204.73	28.2	4788.35	57288	2801.6766 ng/ml
Tramadol	4.219	18675844	∞	3.9	∞	1040489	931.5539 ng/ml
Trazodone	5.129	19021407	114261.13	69.7	122974.64	763046	826.2155 ng/ml
Venlafaxine	5.023	22115434	73779.41	32.8	25870.74	1093487	1062.5740 ng/ml
Xylazine	4.051	7553689	34859.97	50.6	1983.75	261761	1015.3055 ng/ml
Zolpidem	4.886	22173543	6453.38	27.2	195381.84	1024170	877.8109 ng/ml