

REVIEWED*By Sarah Collins at 2:40 pm, Aug 20, 2024*

Cg

8/19/2024

Worklist: 6902

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2024-2739	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-2887	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-2887	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-2976	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-3021	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-3023	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-3026	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1881	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2258	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2272	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2273	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2274	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2275	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2276	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2282	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2284	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2291	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2293	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2298	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2320	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2330	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	



<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2024-2407	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2416	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2427	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 08/15/2024

Plate lot#: 240528

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

Blank Blood Lot: Lampire 24C52816

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 11/28/2024

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

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

Pre-Analytic:

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

Analytic:

- ☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- ☒ 2. Using a calibrated pipette, pipette **250µL blood** into the appropriate wells of the analytical (standards) plate.
Pipette ID: 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:

7-aminoclonazepam 5-100 --calibrators 6, 7, and 8 dropped due to accuracy- QUALITATIVE ONLY
Amphetamine 5-250 --calibrators 7 and 8 dropped due to accuracy
Clonazepam 5-250 --calibrators 7 and 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
 Ketamine 5-500 --calibrator 8 dropped due to accuracy
 Lamotrigine 50-500 --calibrators 5, 6, 7, and 8 dropped due to accuracy
 Lorazepam 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
 Norfentanyl 0.5-50 --calibrator 8 dropped due to accuracy
 Norhydrocodone 5-500 --calibrator 8 dropped due to linearity
 Phentermine 5-500 --calibrator 8 dropped due to accuracy
 Quetiapine 5-500 --calibrator 8 dropped due to accuracy

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2024-2887-2	P2024-2273-1	P2024-2298-1							
B	IS + Cal. 2	IS + QC_2	M2024-2976-1	P2024-2274-1	P2024-2320-1							
C	IS + Cal. 3	IS + QC_3	M2024-3021-1	P2024-2275-1	P2024-2330-4							
D	IS + Cal. 4	IS + QC_4	M2024-3023-3	P2024-2276-1	P2024-2407-1							
E	IS + Cal. 5	IS + QC_2	M2024-3026-6	P2024-2282-3	P2024-2416-1							
F	IS + Cal. 6	Blood NEG	P2024-1881-2	P2024-2284-1	P2024-2427-2							
G	IS + Cal. 7	M2024-2739-6	P2024-2258-1	P2024-2291-1								
H	IS + Cal. 8	M2024-2887-1	P2024-2272-1	P2024-2293-1								

AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 8/20/2024 1:58:44 PM

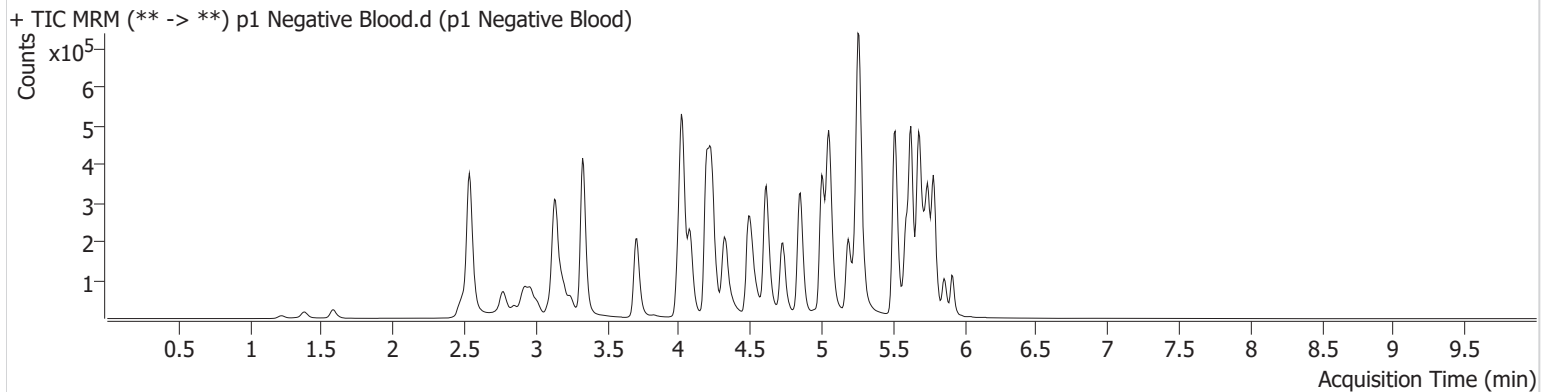
Instrument Falco (069901)
Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F2
Injection Volume 2
Acq. Date-Time 8/16/2024 7:03:40 AM
Sample Info.

Data File
Sample
Operator
Comment

p1 Negative Blood.d
p1 Negative Blood
Celena Shrum

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

Sample Chromatogram



AM #28 Multi-Drug Quant. Results



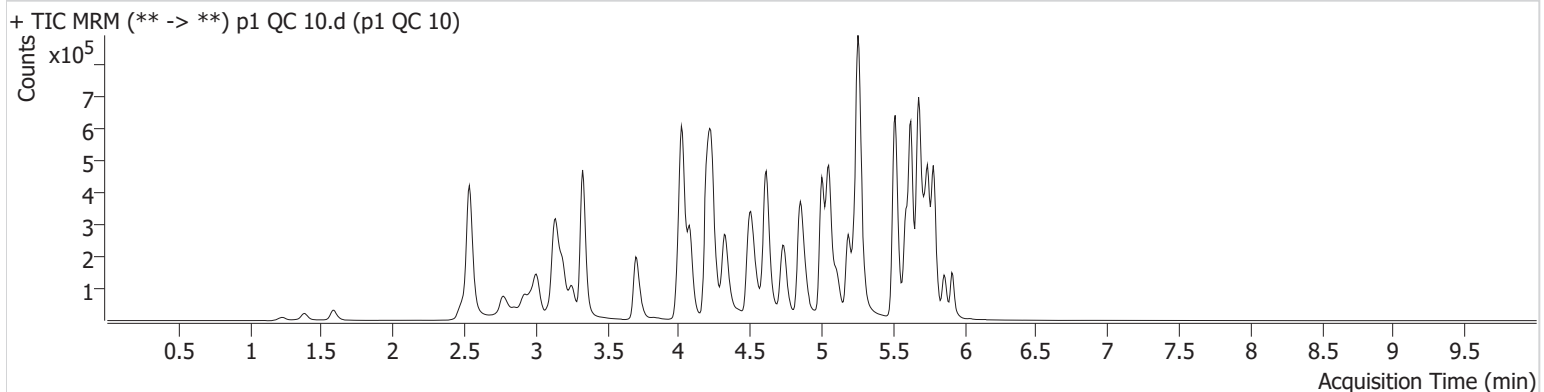
Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 8/20/2024 1:58:44 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-A2
Injection Volume 2
Acq. Date-Time 8/16/2024 5:59:47 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	3.102	1917	1949.58	72.5	461.67	56106	0.9769 ng/ml
7-aminoclonazepam	4.237	38787	145.77	79.4	111.98	149274	10.8904 ng/ml
9-hydroxyrisperidone	4.617	6453	572.73	3326.4	1059.79	925965	8.6050 ng/ml
a-hydroxyalprazolam	5.664	18609	335.66	61.6	195.04	67598	10.2406 ng/ml
alpha-PHP	4.895	38088	2259.09	248.2	455.23	506739	9.9502 ng/ml
alpha-PVP	4.329	132587	2860.70	51.1	519.03	506739	9.3987 ng/ml
Alprazolam	5.748	65801	355.13	105.4	226.91	243171	9.8065 ng/ml
Amphetamine	3.006	214625	261.91	51.5	459.25	282721	10.3535 ng/ml
Benzoylcegonine	3.855	2545	24.11	35.4	47.06	8459	9.2030 ng/ml
Bromazolam	5.787	53547	32.64	119.1	7769.14	138315	9.5991 ng/ml
Buprenorphine	5.751	3200	1007.57	13.1	438.64	124212	0.9532 ng/ml
Bupropion	4.744	138784	19525.21	61.6	466.61	502124	9.3543 ng/ml
Carisoprodol	5.696	77438	250.33	59.6	134.25	378564	9.1450 ng/ml
Citalopram	5.186	110450	962.30	40.6	109.65	519340	9.3840 ng/ml
Clonazepam	5.583	68643	1000.26	35.2	174.98	96991	9.9772 ng/ml
Clonazolam	5.527	55869	5561.35	36.0	31331.05	96991	10.0458 ng/ml
Cocaine	4.230	93022	508.82	49.4	674.45	779109	9.2385 ng/ml
Codeine	2.548	11049	28280.13	94.1	216.30	47675	10.9079 ng/ml
Cyclobenzaprine	5.600	129705	7200.14	8.9	385.09	461690	8.9288 ng/ml
Dextromethorphan	5.243	72541	288.35	81.2	390.27	325225	9.1086 ng/ml
Dextrorphan	4.082	42819	3431.29	204.7	1886.99	465302	9.3057 ng/ml
Diazepam	5.920	43744	230.94	92.4	267.48	197600	9.8911 ng/ml
Dihydrocodeine	2.521	28957	278.70	62.8	3743.34	151038	9.6356 ng/ml
Diphenhydramine	5.264	295906	1862.91	33.3	3879.49	1797840	9.1156 ng/ml
Doxylamine	4.518	255715	3901.47	100.8	4057.22	1057101	9.0839 ng/ml
Duloxetine	5.619	17973	580.70	14.7	222.74	85565	10.3446 ng/ml
EDDP	5.229	35803	148.28	42.8	1900.50	164409	9.6763 ng/ml
Etizolam	5.787	29438	11815.37	27.5	14154.49	96991	9.4425 ng/ml
Fentanyl	5.062	12060	1720.76	71.3	4494.48	637214	0.9297 ng/ml
Fluorofentanyl	5.116	30551	284.86	42.1	1206.55	6353	0.9151 ng/ml
Fluoxetine	5.679	180758	7935.09	8.3	143.49	667055	9.7762 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.995	38862	72.07	39.3	293.50	186754	9.5843 ng/ml
Hydromorphone	1.589	25075	1154.17	75.8	154.98	75166	9.6906 ng/ml
Hydroxyzine	5.670	147748	1408.97	74.0	958.39	325225	9.5581 ng/ml
Ketamine	4.014	84920	3105.54	37.7	260.61	381649	9.8816 ng/ml
Lamotrigine	4.239	78971	236.93	88.4	2742.15	1088964	100.7099 ng/ml
Lorazepam	5.719	40165	855.47	49.3	90.49	299302	9.4265 ng/ml
MDA	3.160	135969	2056.60	28.8	410.59	388563	9.9228 ng/ml
MDMA	3.261	92988	534.82	85.7	716.42	100678	9.7405 ng/ml
Meprobamate	4.875	34481	1522.41	26.4	237.63	170830	9.3524 ng/ml
Methadone	5.625	209425	5752.61	50.2	6217.45	847448	9.2190 ng/ml
Methamphetamine	3.195	306288	1889.12	38.7	191.02	631790	10.0856 ng/ml
Metoprolol	4.286	24553	25708.20	100.3	961.89	998191	10.2243 ng/ml
Mirtazapine	4.600	183227	1899.15	50.2	790.86	506739	9.8819 ng/ml
Mitragynine	5.198	35919	6910.13	33.3	8831.01	847448	10.8953 ng/ml
Morphine	1.233	5068	256.16	45.8	224.45	11337	9.8375 ng/ml
Norbuprenorphine	4.951	611	19.80	86.3	471.42	20461	1.0428 ng/ml
Nordiazepam	5.866	58661	6045.37	59.2	2019.74	178185	9.7320 ng/ml
Norfentanyl	4.042	19034	466.07	37.4	88.16	760139	0.9541 ng/ml
Norhydrocodone	3.030	8604	93.65	40.3	78.22	58541	9.3063 ng/ml
Noroxycodone	2.873	24200	687.31	49.6	1341.81	85546	9.8311 ng/ml
O-desmethyl-tramadol	3.335	205692	580.20	6.2	442.88	1065960	9.6163 ng/ml
o-desmethylvenlafaxine	4.027	182823	4193.34	27.2	240.72	210527	9.4086 ng/ml
Olanzapine	4.428	27499	137.92	60.3	182.46	73018	10.0121 ng/ml
Oxazepam	5.729	52171	1561.35	67.8	193.86	299302	9.5783 ng/ml
Oxycodone	2.798	62714	2681.21	29.0	402.22	269746	9.5460 ng/ml
Oxymorphone	1.386	16367	200.71	46.0	329.00	57635	9.8120 ng/ml
Phentermine	3.738	53783	470.82	5.1	42.24	590765	10.2122 ng/ml
Promethazine	5.516	195564	612.04	30.0	615.17	986658	9.3462 ng/ml
Pseudoephedrine	2.545	204819	19468.02	16.5	3576.01	1088964	9.2853 ng/ml
Quetiapine	5.519	141306	190.56	58.8	76185.48	212969	10.0506 ng/ml
Sertraline	5.748	72535	1152.21	92.8	835.76	301009	9.6243 ng/ml
Temazepam	5.790	133356	4817.64	28.5	474.05	537165	9.5712 ng/ml
Tramadol	4.211	186606	299.59	3.5	205.68	998191	9.8510 ng/ml
Trazodone	5.102	165595	338.93	67.6	5406.79	620760	9.6623 ng/ml
Venlafaxine	5.003	188361	2242.99	34.8	583.75	972972	9.2443 ng/ml
Xylazine	4.049	73112	2722.24	47.1	319.33	329333	9.7187 ng/ml
Zolpidem	4.872	180106	929.66	30.1	526.13	750135	9.7805 ng/ml

AM #28 Multi-Drug Quant. Results



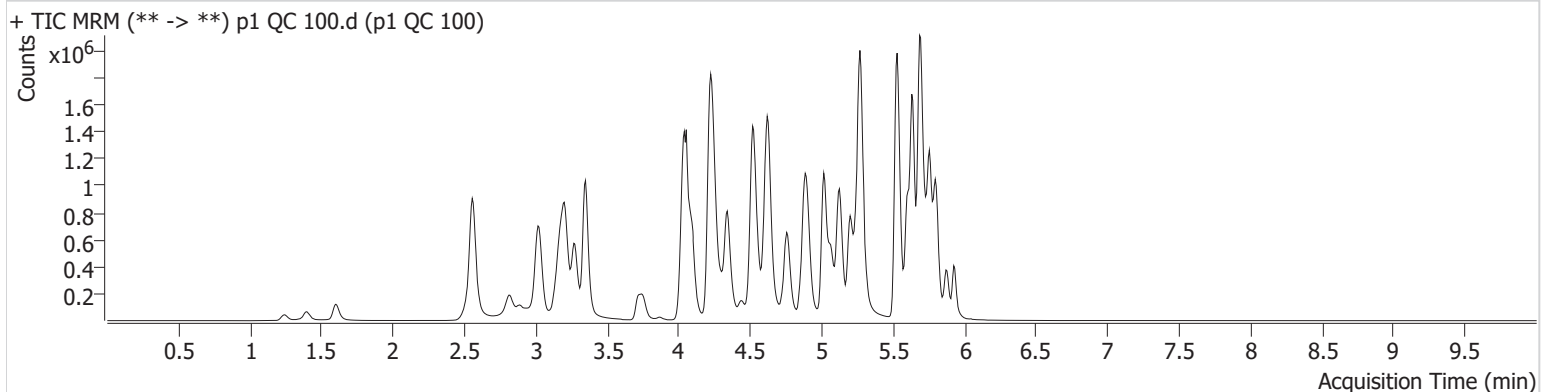
Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 8/20/2024 1:58:44 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B2
Injection Volume 2
Acq. Date-Time 8/16/2024 3:56:00 PM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.116	15422	70069.89	68.4	2162.30	40450	11.1509 ng/ml
7-aminoclonazepam	4.244	161995	5863.60	79.2	7209.14	80588	96.0752 ng/ml
9-hydroxyrisperidone	4.624	57685	520.37	3203.6	8999.64	751303	94.6581 ng/ml
a-hydroxyalprazolam	5.671	116901	∞	62.9	274.04	43638	108.8195 ng/ml
alpha-PHP	4.909	302781	10338.52	264.6	7134.01	421660	99.8280 ng/ml
alpha-PVP	4.342	1158849	848.59	50.7	894.60	421660	97.5611 ng/ml
Alprazolam	5.755	467521	1046.29	104.7	1057.75	166295	104.6145 ng/ml
Amphetamine	3.026	1344243	2723.92	50.3	508.10	228471	92.1145 ng/ml
Benzoylcegonine	3.869	21213	783.67	35.6	1029.31	7339	96.4906 ng/ml
Bromazolam	5.793	346454	70090.76	117.7	328234.31	89420	100.5883 ng/ml
Buprenorphine	5.772	28595	7606.01	13.9	5700.82	104142	11.1012 ng/ml
Bupropion	4.765	1043124	776.15	62.0	5657.77	369091	97.7587 ng/ml
Carisoprodol	5.709	514831	11002.64	60.5	2294.98	229967	93.2453 ng/ml
Citalopram	5.200	923892	1438.78	40.2	613.92	415685	96.7643 ng/ml
Clonazepam	5.597	413670	14355.76	36.5	2814.69	61421	100.6631 ng/ml
Clonazolam	5.541	366365	308862.68	36.4	130003.94	61421	113.3321 ng/ml
Cocaine	4.244	742777	1482.41	50.4	297.50	594680	97.7642 ng/ml
Codeine	2.555	77019	1763.94	99.0	113.81	35824	111.1856 ng/ml
Cyclobenzaprine	5.606	1090377	115872.02	8.7	∞	356076	95.2424 ng/ml
Dextromethorphan	5.250	599867	9249.09	80.9	1579.25	262181	94.0334 ng/ml
Dextrorphan	4.096	343691	5742.53	208.6	870.97	362486	94.9414 ng/ml
Diazepam	5.934	336060	721.92	92.8	4538.90	151009	101.8899 ng/ml
Dihydrocodeine	2.527	232533	175.12	62.5	1505.74	115836	110.2425 ng/ml
Diphenhydramine	5.271	2525735	907.75	33.1	46691.46	1441722	94.0212 ng/ml
Doxylamine	4.525	2260566	3797.23	98.3	164925.21	876730	93.6698 ng/ml
Duloxetine	5.633	128470	4606.90	13.7	3080.88	60884	106.1550 ng/ml
EDDP	5.243	219148	290.65	42.4	827.15	95899	101.2206 ng/ml
Etizolam	5.794	213804	4612.34	27.6	41940.50	61421	100.5323 ng/ml
Fentanyl	5.076	103587	14530.12	76.1	56245.86	548331	9.2125 ng/ml
Fluorofentanyl	5.130	270893	4664.21	42.1	699.02	5366	9.1346 ng/ml
Fluoxetine	5.693	1356956	106546.85	8.3	143887.53	479682	99.2229 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.002	305952	∞	39.0	194.92	148861	97.7947 ng/ml
Hydromorphone	1.602	210866	15562.32	75.9	520505.45	60869	101.6520 ng/ml
Hydroxyzine	5.683	1219216	350602.90	74.6	44864.81	262181	100.4042 ng/ml
Ketamine	4.028	679944	43539.00	37.5	2657.79	306695	106.3889 ng/ml
Lamotrigine	4.253	422897	458475.45	88.3	312285.61	849064	788.6901 ng/ml
Lorazepam	5.726	186786	7582.44	51.9	583.64	154599	95.5333 ng/ml
MDA	3.174	939639	11299.64	27.9	5157.49	277658	104.3535 ng/ml
MDMA	3.275	805126	2123.83	84.0	718.63	83091	101.3292 ng/ml
Meprobamate	4.889	224371	3513.47	28.2	3242.96	125437	92.6570 ng/ml
Methadone	5.639	1747100	41801.46	49.1	47213.38	672458	95.3852 ng/ml
Methamphetamine	3.209	1600664	3769.18	38.5	9513.21	533245	106.3402 ng/ml
Metoprolol	4.299	193872	28082.09	103.9	4780.05	843665	105.1878 ng/ml
Mirtazapine	4.607	1517194	86185.90	52.1	38818.32	421660	100.6610 ng/ml
Mitragynine	5.211	310349	4468.74	36.2	1025.83	672458	109.1970 ng/ml
Morphine	1.240	42333	9191.97	46.4	206.73	9564	101.5002 ng/ml
Norbuprenorphine	4.972	4384	2080.91	94.5	1162.88	17920	10.2486 ng/ml
Nordiazepam	5.880	413461	4932.22	58.0	6390.92	123045	103.8371 ng/ml
Norfentanyl	4.056	144958	973.49	38.1	1981.35	537566	9.8990 ng/ml
Norhydrocodone	3.050	91615	215.53	41.4	174.49	50075	111.2240 ng/ml
Noroxycodone	2.886	188773	1452.61	48.3	10964.86	66291	99.8582 ng/ml
O-desmethyl-tramadol	3.349	1816362	37137.32	6.1	560.99	887537	100.1048 ng/ml
o-desmethylvenlafaxine	4.054	1670794	412868.35	23.7	3768.10	162359	110.4131 ng/ml
Olanzapine	4.441	250136	526.00	60.3	754.27	62843	98.0720 ng/ml
Oxazepam	5.736	268118	5668.35	72.1	1242.12	154599	102.4511 ng/ml
Oxycodone	2.818	488449	818.58	28.8	2164.30	190450	108.1646 ng/ml
Oxymorphone	1.399	135519	∞	45.1	∞	45400	106.0270 ng/ml
Phentermine	3.751	416150	2208.03	4.6	217.67	488187	106.1897 ng/ml
Promethazine	5.523	1740569	1816.50	29.8	1393.88	821774	97.5587 ng/ml
Pseudoephedrine	2.565	1662723	70290.91	16.4	28529.46	849064	95.4567 ng/ml
Quetiapine	5.526	1107328	331.18	60.4	33034.68	167937	109.8622 ng/ml
Sertraline	5.755	541234	25191.83	89.0	315359.94	215107	99.5113 ng/ml
Temazepam	5.803	754952	24412.90	27.6	1762.62	287781	96.4416 ng/ml
Tramadol	4.218	1587955	∞	3.8	∞	843665	103.8888 ng/ml
Trazodone	5.116	1426627	89797.09	68.5	62766.42	540937	102.4669 ng/ml
Venlafaxine	5.016	1675563	40454.77	33.0	5368.41	810436	96.6459 ng/ml
Xylazine	4.056	618804	481106.71	48.7	596.45	260089	101.5868 ng/ml
Zolpidem	4.886	1523239	3717665.76	29.8	29692.57	622210	105.5509 ng/ml



AM #28 Multi-Drug Quant. Results

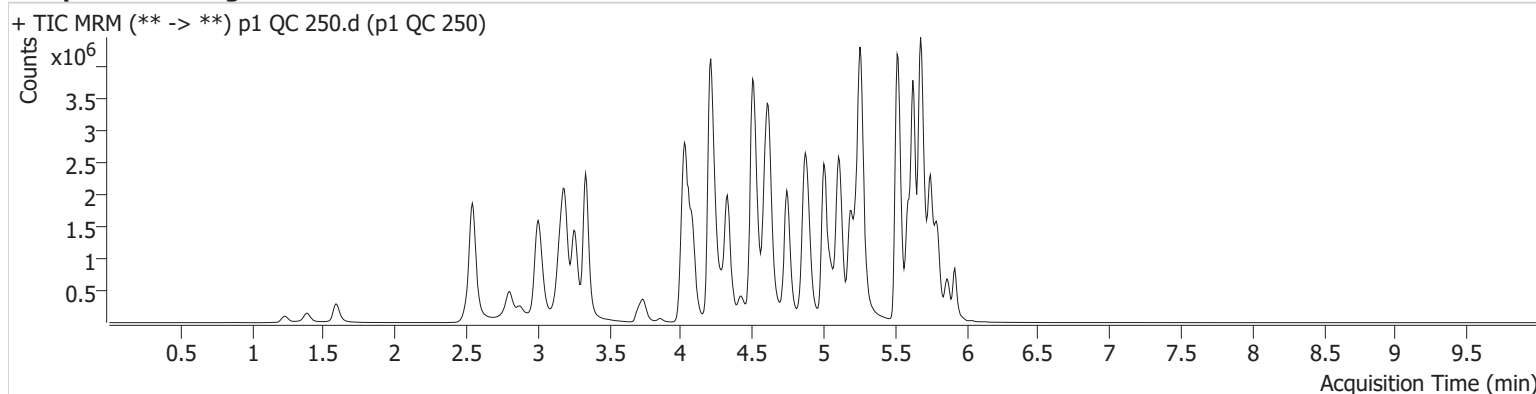
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Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C2
Injection Volume 2
Acq. Date-Time 8/16/2024 6:21:03 AM
Sample Info.

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

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.102	46206	9126.55	71.1	5157.90	53676	25.2089 ng/ml
7-aminoclonazepam	4.237	213839	1637.54	78.1	1509.93	48180	214.2495 ng/ml
9-hydroxyrisperidone	4.617	161385	938.25	3179.9	384668.90	814248	244.3270 ng/ml
a-hydroxyalprazolam	5.664	191724	291.20	63.7	269.45	33201	235.7911 ng/ml
alpha-PHP	4.895	845943	12496.55	259.4	108756.81	470503	250.7957 ng/ml
alpha-PVP	4.329	3214801	2062.63	51.4	14093.99	470503	242.3701 ng/ml
Alprazolam	5.748	1028881	2962.93	104.0	693.62	146081	262.5222 ng/ml
Amphetamine	3.006	3380034	163.10	50.1	48004.13	256771	208.2664 ng/ml
Benzoylcegonine	3.855	61975	23730.52	35.7	846.75	7928	262.5368 ng/ml
Bromazolam	5.787	663152	521271.09	117.1	999430.19	69879	247.1054 ng/ml
Buprenorphine	5.751	69122	161768.12	14.2	10362.88	107167	26.2089 ng/ml
Bupropion	4.744	3432134	186734.42	61.5	2462.43	472447	251.6424 ng/ml
Carisoprodol	5.703	986355	31869.85	60.1	261.62	165606	246.9342 ng/ml
Citalopram	5.186	2443284	1784.38	39.6	3521.97	437967	242.6712 ng/ml
Clonazepam	5.583	722671	641.11	36.6	6879.09	50613	214.1572 ng/ml
Clonazepam	5.534	657809	3937.26	37.1	280110.67	50613	248.1102 ng/ml
Cocaine	4.230	1796343	480.84	50.4	9793.07	567824	247.7979 ng/ml
Codeine	2.542	182424	201.83	96.9	284.09	37610	252.3614 ng/ml
Cyclobenzaprine	5.600	2759979	214576.71	8.3	45594.96	356141	240.7131 ng/ml
Dextromethorphan	5.236	1625215	2832.77	78.3	1070.30	278935	239.5624 ng/ml
Dextrorphan	4.082	927315	1284.71	214.0	2405.50	390882	237.4012 ng/ml
Diazepam	5.920	790838	588.01	92.1	1386.41	147849	245.2795 ng/ml
Dihydrocodeine	2.514	577818	35574.32	65.4	903.76	136069	234.3072 ng/ml
Diphenhydramine	5.264	6860331	1499.70	32.6	1119.31	1513222	242.8163 ng/ml
Doxylamine	4.504	6731221	129141.29	97.9	7320.07	1011725	241.1853 ng/ml
Duloxetine	5.619	270284	3363.22	14.7	664.67	51990	261.9020 ng/ml
EDDP	5.229	699190	832.25	42.3	3090.00	125372	246.9764 ng/ml
Etizolam	5.787	493744	11698.09	27.3	92697.15	50613	280.3989 ng/ml
Fentanyl	5.062	303092	10777.00	76.8	342.64	639536	23.1001 ng/ml
Fluorofentanyl	5.116	764246	3036.27	42.6	6258.98	5423	25.4099 ng/ml
Fluoxetine	5.679	2943839	1405.80	8.0	190489.19	397302	259.4056 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.988	875246	∞	38.6	∞	168486	247.7179 ng/ml
Hydromorphone	1.589	580982	2937923.93	76.1	959077.22	66757	255.5363 ng/ml
Hydroxyzine	5.670	3202844	1984.68	74.7	21294.80	278935	248.3248 ng/ml
Ketamine	4.007	1671853	1556.65	37.8	1733.43	334062	241.2727 ng/ml
Lamotrigine	4.246	726939	19631.62	89.8	865.54	865797	1340.8506 ng/ml
Lorazepam	5.719	254264	10157.57	51.2	445.99	88767	228.3182 ng/ml
MDA	3.160	2079921	15354.41	28.2	9043.11	276296	233.3128 ng/ml
MDMA	3.261	2183037	107568.97	85.0	629.97	89545	254.8055 ng/ml
Meprobamate	4.875	473294	7731.18	27.2	5175.39	112352	219.9014 ng/ml
Methadone	5.625	4801408	2088.03	48.4	2316.38	709920	248.0474 ng/ml
Methamphetamine	3.189	4275782	29234.57	38.0	34927.13	640691	246.7657 ng/ml
Metoprolol	4.286	463413	253313.01	102.9	1614.83	889744	239.8771 ng/ml
Mirtazapine	4.593	4141776	59411.20	50.7	364.63	470503	246.6433 ng/ml
Mitragynine	5.198	797821	1111227.17	36.7	1365.20	709920	264.5326 ng/ml
Morphine	1.233	111124	1286.99	46.7	430.80	10381	246.1337 ng/ml
Norbuprenorphine	4.958	11996	53906.64	96.7	79.64	20664	24.6437 ng/ml
Nordiazepam	5.866	804778	926.83	58.7	743.07	105128	237.1841 ng/ml
Norfentanyl	4.048	306657	46968.76	39.1	1544.67	438603	25.6050 ng/ml
Norhydrocodone	3.030	217927	215.86	42.7	294.14	53249	248.3021 ng/ml
Noroxycodone	2.873	486068	∞	49.2	390.55	68923	247.4501 ng/ml
O-desmethyl-tramadol	3.335	5086255	2770.99	6.2	1517.59	980288	253.4946 ng/ml
o-desmethylvenlafaxine	4.027	3528091	74682.11	26.4	10966.91	150924	250.6891 ng/ml
Olanzapine	4.421	753463	5754.49	60.7	3675.00	71764	257.3650 ng/ml
Oxazepam	5.722	361056	163.33	70.6	109.77	88767	241.3578 ng/ml
Oxycodone	2.798	1457753	1273.43	28.3	4535.88	246035	250.2542 ng/ml
Oxymorphone	1.386	360621	3303.15	45.5	∞	51100	251.0833 ng/ml
Phentermine	3.738	990137	390.59	4.8	223.40	538174	230.6518 ng/ml
Promethazine	5.516	4698146	1607.14	29.5	1227.80	849466	254.3613 ng/ml
Pseudoephedrine	2.545	4335812	1200.56	16.3	150.60	865797	243.9058 ng/ml
Quetiapine	5.519	2552908	50695.94	61.9	59752.09	181754	235.2918 ng/ml
Sertraline	5.748	1164894	17773.12	90.2	39098.01	177448	259.4642 ng/ml
Temazepam	5.796	1228813	377.40	28.5	5215.22	182273	247.0688 ng/ml
Tramadol	4.204	4306933	6241.89	3.7	∞	889744	267.9956 ng/ml
Trazodone	5.102	3885498	144574.75	72.4	1017151.66	615566	246.3285 ng/ml
Venlafaxine	5.003	4649354	118740.49	33.2	12333.62	894661	242.6018 ng/ml
Xylazine	4.042	1672688	170786.23	50.1	44173.66	283903	251.1757 ng/ml
Zolpidem	4.865	4282579	2079.68	28.9	1228079.90	708654	261.4870 ng/ml

AM #28 Multi-Drug Quant. Results



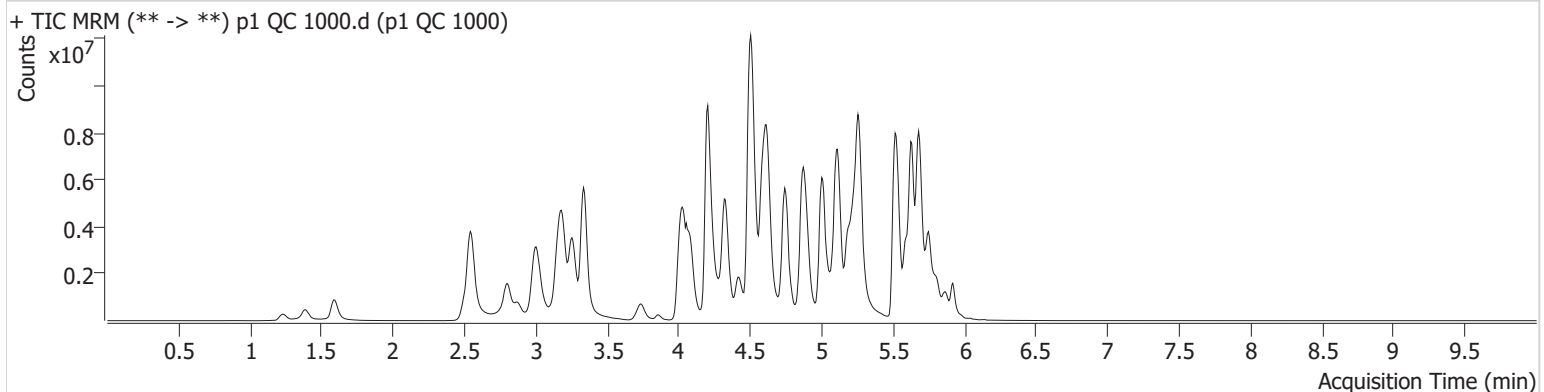
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Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D2
Injection Volume 2
Acq. Date-Time 8/16/2024 6:42:21 AM
Sample Info.

Data File p1 QC 1000.d
Sample p1 QC 1000
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	3.102	155031	949.95	69.6	192279.02	43565	104.2888 ng/ml
7-aminoclonazepam	4.244	212204	3033.04	91.0	2256.82	8686	1187.1879 ng/ml
9-hydroxyrisperidone	4.617	472129	9943.36	3432.0	965042.33	596741	975.2598 ng/ml
a-hydroxyalprazolam	5.657	233247	156.22	69.1	568.74	10723	891.0800 ng/ml
alpha-PHP	4.895	2227918	2900.15	262.6	35339.68	343947	904.9926 ng/ml
alpha-PVP	4.329	10066539	2762.66	50.9	3028.18	343947	1037.7854 ng/ml
Alprazolam	5.748	2242975	980.85	102.5	1051.47	86620	965.9380 ng/ml
Amphetamine	3.006	6898797	574.71	49.5	194685.96	218016	503.1112 ng/ml
Benzoylcegonine	3.855	258868	2045.50	36.7	3371.75	8869	982.8207 ng/ml
Bromazolam	5.780	1098222	735855.59	120.6	23653.43	29996	954.7591 ng/ml
Buprenorphine	5.758	134568	338946.41	14.6	24189.17	59149	92.6925 ng/ml
Bupropion	4.744	10717459	1993.56	61.9	244772.69	388459	956.3364 ng/ml
Carisoprodol	5.703	1454633	225.92	58.3	221.09	53254	1130.0066 ng/ml
Citalopram	5.179	5550003	∞	38.7	3882.21	247335	975.6796 ng/ml
Clonazepam	5.577	788494	842.88	35.3	14205.77	18601	637.1112 ng/ml
Clonazolam	5.540	806704	488283.35	38.2	305700.02	18601	830.2325 ng/ml
Cocaine	4.223	4521179	3599.49	49.9	149439.29	353928	1000.9547 ng/ml
Codeine	2.528	432883	216.31	99.4	121.42	26946	838.6258 ng/ml
Cyclobenzaprine	5.593	6097513	132499.82	7.9	22042.34	190528	993.3947 ng/ml
Dextromethorphan	5.230	3881556	65365.12	78.1	45439.98	163488	976.3819 ng/ml
Dextrorphan	4.082	2526432	1935.05	212.1	2634.40	248482	1017.1198 ng/ml
Diazepam	5.920	1771158	441.84	94.5	224.70	86288	942.0114 ng/ml
Dihydrocodeine	2.500	1698754	35130.43	67.2	26806.16	127151	739.2874 ng/ml
Diphenhydramine	5.264	16968359	255168.14	33.5	20024.49	922830	983.8603 ng/ml
Doxylamine	4.504	23810448	30056.38	95.4	8810.55	919438	937.8370 ng/ml
Duloxetine	5.619	359546	59529.43	14.5	5689.53	17233	1051.8275 ng/ml
EDDP	5.229	4087447	2166.24	41.9	27334.84	174444	1037.5578 ng/ml
Etizolam	5.794	1122048	16875.90	26.9	2153.57	18601	1729.9978 ng/ml
Fentanyl	5.062	1134548	54651.27	76.2	83673.37	572340	96.5979 ng/ml
Fluorofentanyl	5.123	2407150	97588.73	44.0	21895.05	4101	105.6810 ng/ml
Fluoxetine	5.686	4903290	110450.49	7.8	289.78	155792	1100.8894 ng/ml



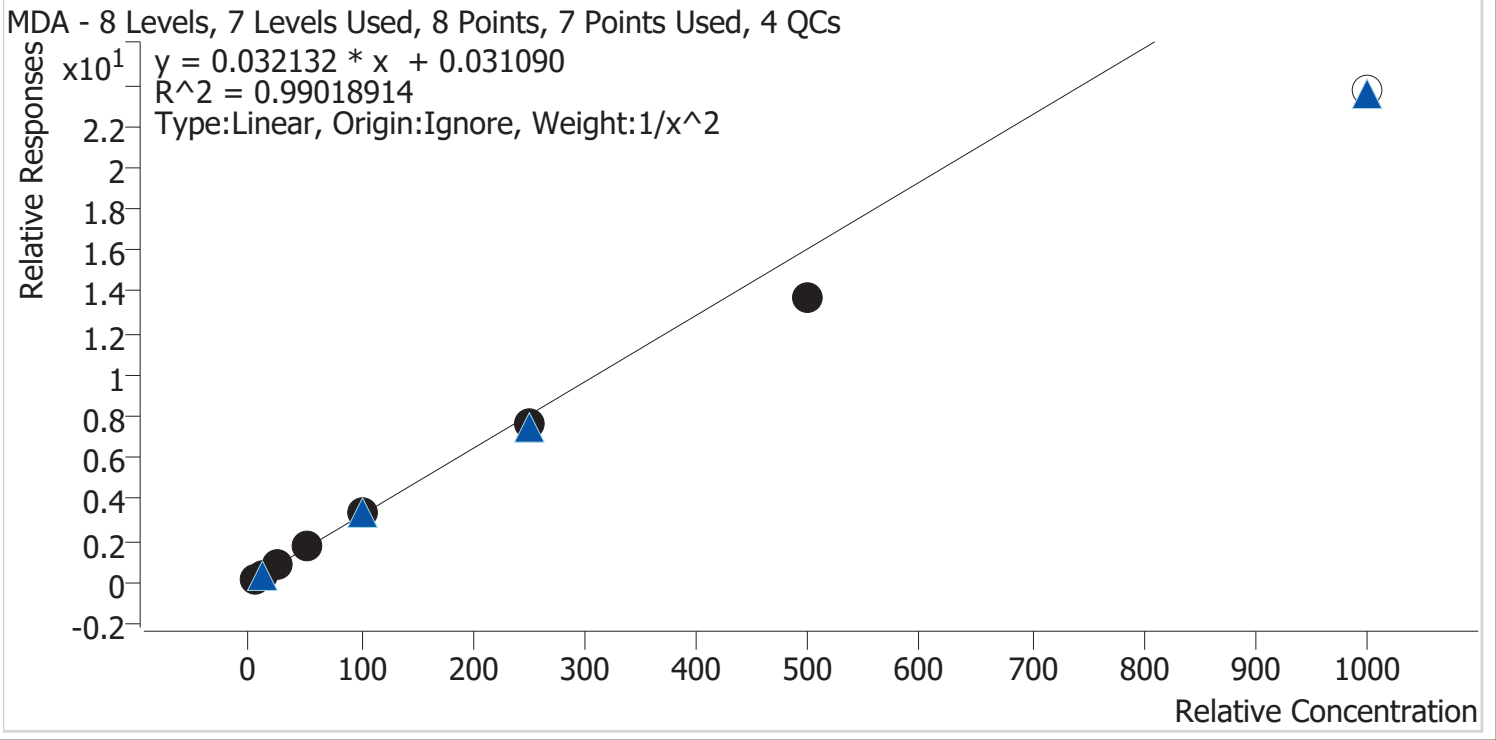
AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.988	3076369	2667.27	39.8	1252.57	155070	947.0156 ng/ml
Hydromorphone	1.589	2031634	6462920.34	76.3	5036180.05	58785	1015.0965 ng/ml
Hydroxyzine	5.670	7420652	563665.84	77.6	302867.28	163488	982.4409 ng/ml
Ketamine	4.001	3736518	438.72	37.3	421.07	244864	737.4751 ng/ml
Lamotrigine	4.253	815146	14585.09	89.3	35983.90	540174	2423.0870 ng/ml
Lorazepam	5.719	386468	18532.60	51.8	2505.91	24669	1254.6643 ng/ml
MDA	3.147	4047749	198981.10	27.2	43111.61	172423	729.6354 ng/ml
MDMA	3.255	5912305	572285.98	84.8	101296.55	61306	1007.7018 ng/ml
Meprobamate	4.875	639600	6929.59	27.3	1523.91	61677	543.1477 ng/ml
Methadone	5.632	12167061	10539.72	51.0	72109.21	459878	969.8581 ng/ml
Methamphetamine	3.188	11603986	58602.06	37.1	72008.47	602552	728.0247 ng/ml
Metoprolol	4.286	995923	6588.12	105.4	193189.44	656280	701.1299 ng/ml
Mirtazapine	4.587	11906083	8061.43	50.0	354052.01	343947	970.6504 ng/ml
Mitragynine	5.198	2428037	5555009.07	37.1	856164.00	459878	1239.2553 ng/ml
Morphine	1.233	352879	34634.49	47.9	4180.43	8456	960.8872 ng/ml
Norbuprenorphine	4.958	40101	48423.67	94.1	30567.52	17044	100.5993 ng/ml
Nordiazepam	5.866	1437802	36353.39	58.6	∞	47756	934.2552 ng/ml
Norfentanyl	4.048	486814	57795.95	39.3	1929.83	141495	125.8476 ng/ml
Norhydrocodone	3.030	687444	1549.81	42.2	102.44	33789	1232.7638 ng/ml
Noroxycodone	2.873	1526021	809.53	48.5	626.63	56033	955.8641 ng/ml
O-desmethyl-tramadol	3.335	16214787	312032.84	6.2	117157.19	774489	1022.2746 ng/ml
o-desmethylvenlafaxine	4.020	6715057	93689.00	26.5	77438.10	73052	985.4723 ng/ml
Olanzapine	4.421	3599767	11311.96	62.0	10588.25	84746	1038.7769 ng/ml
Oxazepam	5.722	399833	86.83	69.4	6309.73	24669	964.1263 ng/ml
Oxycodone	2.798	5451507	3156.51	28.5	42819.76	236249	975.4593 ng/ml
Oxymorphone	1.386	1307754	1532.29	45.2	630.14	49142	947.6517 ng/ml
Phentermine	3.738	2483442	406.77	4.7	1028.19	446596	699.7021 ng/ml
Promethazine	5.516	11993683	2711.29	29.4	31988.32	545915	1009.7003 ng/ml
Pseudoephedrine	2.545	11678093	204615.67	16.0	138.52	540174	1052.5155 ng/ml
Quetiapine	5.526	5647342	123706.30	61.6	83849.98	143544	661.0569 ng/ml
Sertraline	5.748	1695011	50924.64	88.9	58772.39	70720	947.0395 ng/ml
Temazepam	5.810	1498857	35944.31	28.1	10151.11	48896	1121.6820 ng/ml
Tramadol	4.197	10986670	2315.81	3.4	105.12	656280	928.1083 ng/ml
Trazodone	5.102	11724756	3912896.09	74.6	695759.60	546665	838.8724 ng/ml
Venlafaxine	5.003	14306777	∞	31.8	∞	656656	1016.4154 ng/ml
Xylazine	4.035	4898162	1454.62	50.2	96781.39	202888	1028.4009 ng/ml
Zolpidem	4.865	13226048	3138.47	28.3	317.71	656815	872.7751 ng/ml



AM #28 Multi-Drug Quant. Calibration Curve Report

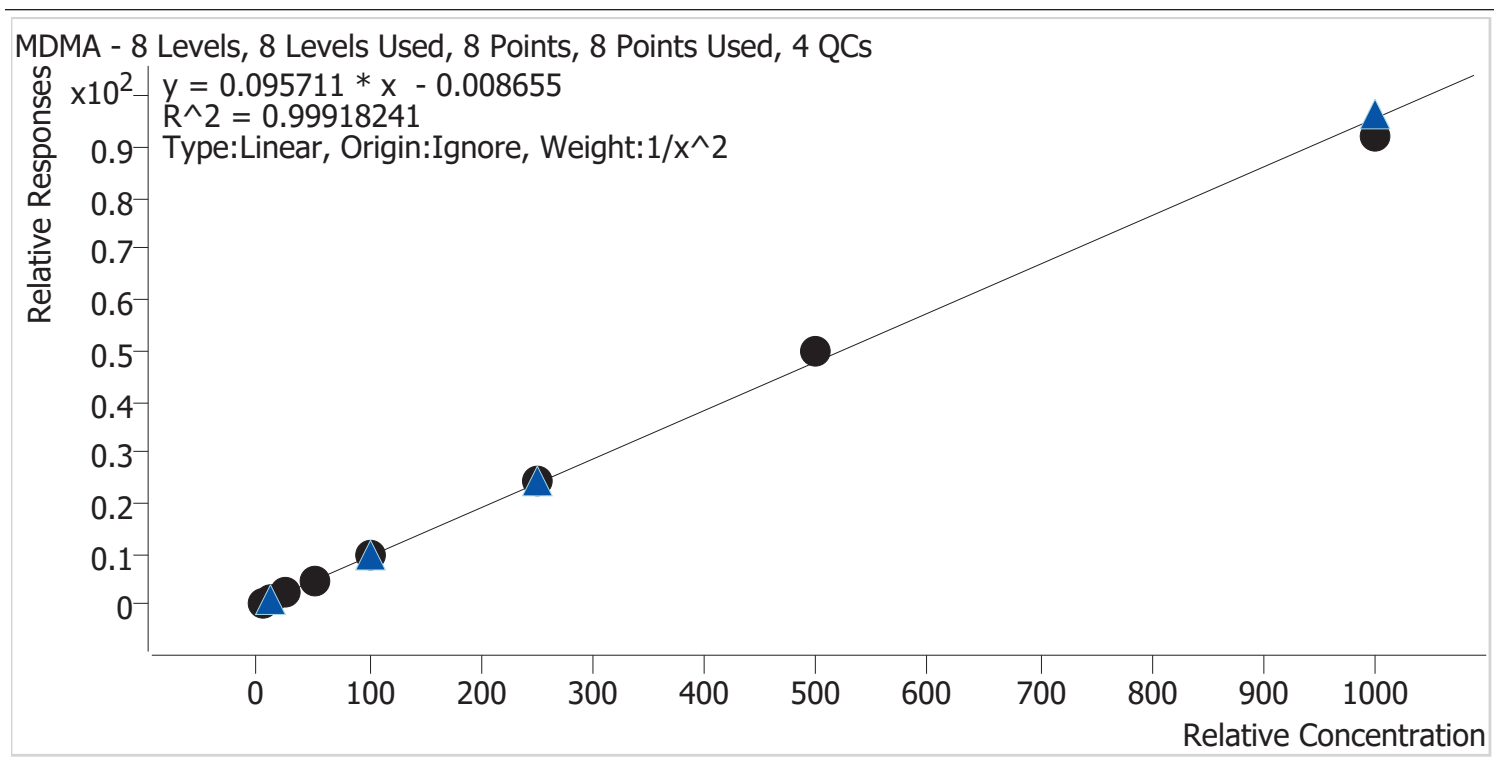
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Analyst Name ISP\Datastor
Analyte MDA **Internal Standard** MDA-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
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p1 Cal 2-10ng	2	✓	10.0	10.5	104.9
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	239.7	95.9
p1 Cal 7-500ng	7	✓	500.0	423.7	84.7
p1 Cal 8-1000ng	8	×	1000.0	736.7	73.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
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Analyte MDMA **Internal Standard** MDMA-D6

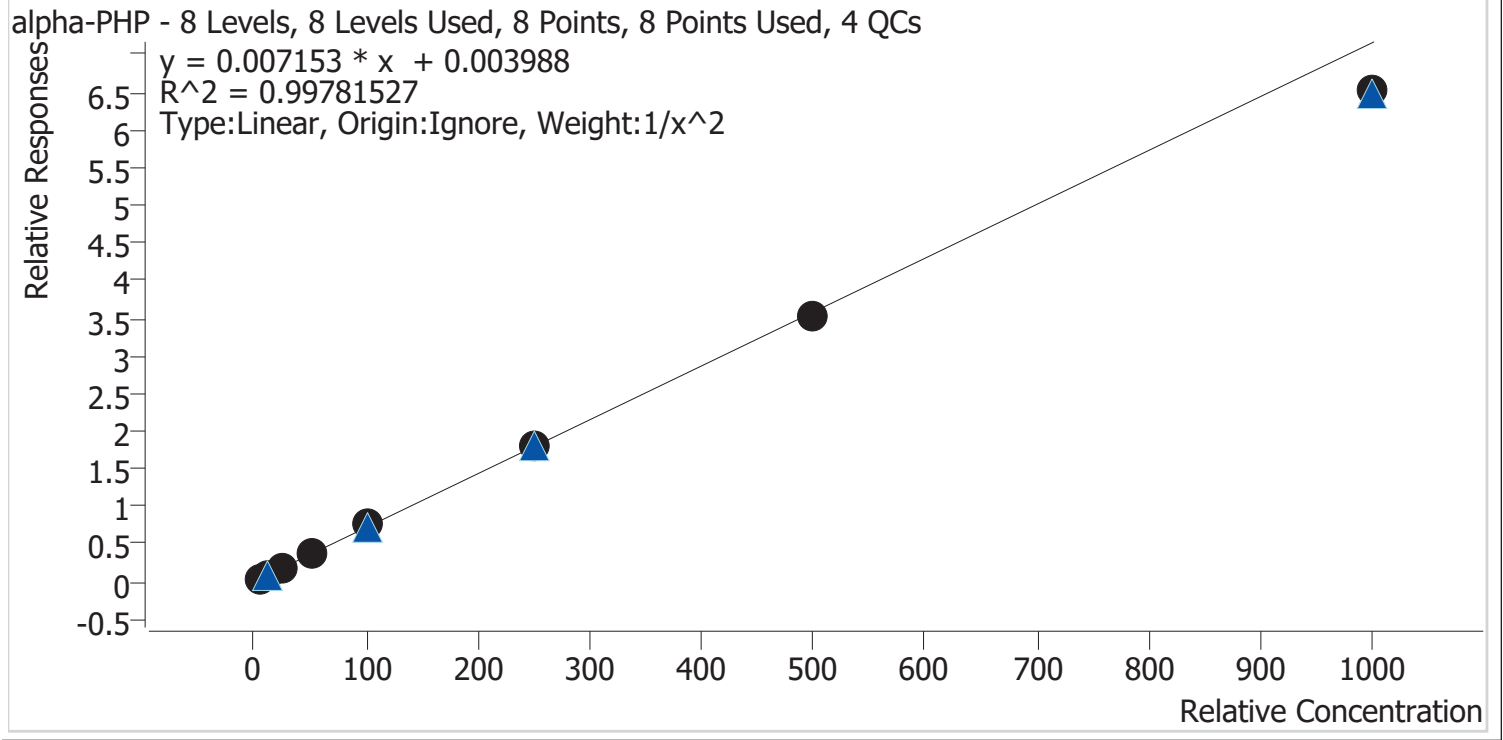


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	254.4	101.7
p1 Cal 7-500ng	7	✓	500.0	523.2	104.6
p1 Cal 8-1000ng	8	✓	1000.0	965.5	96.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-D8

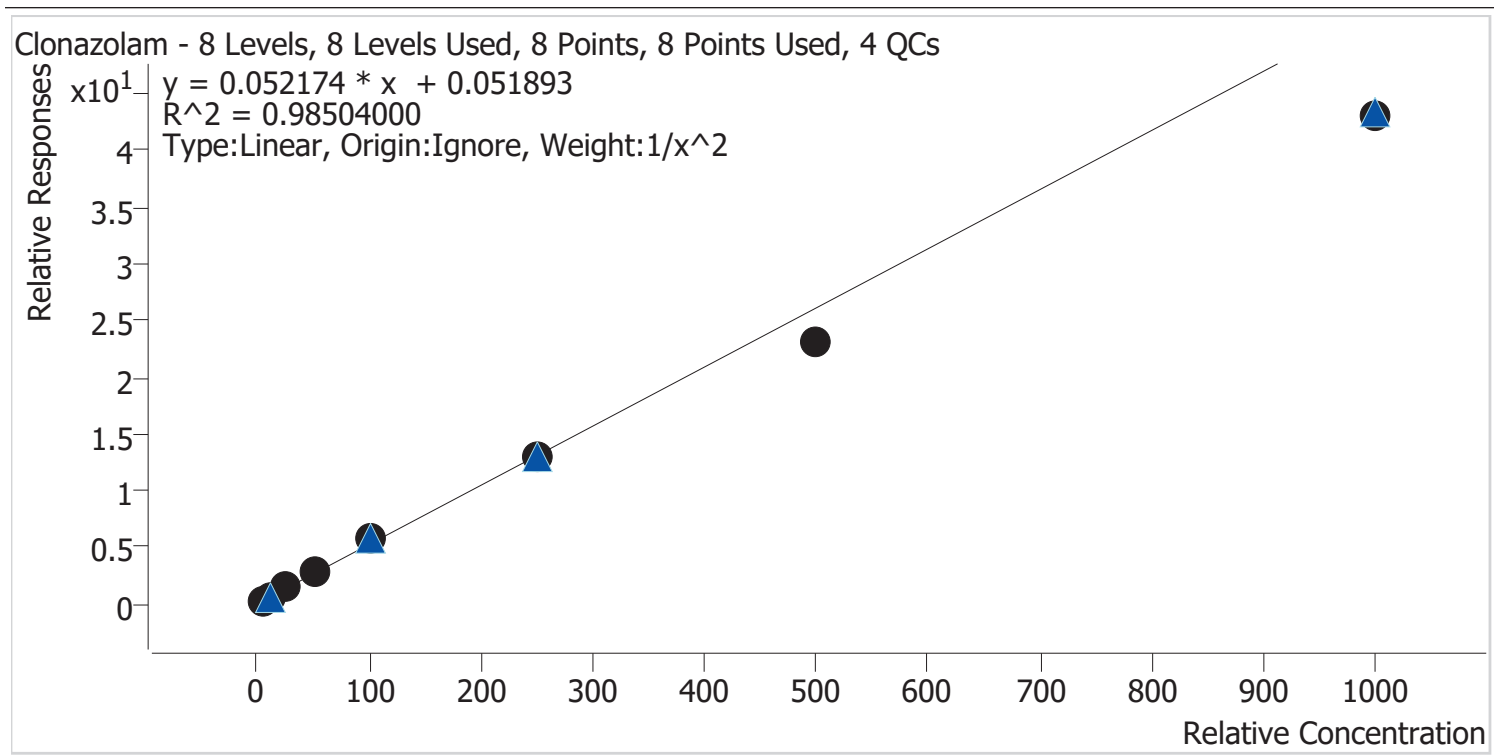


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
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p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	493.7	98.7
p1 Cal 8-1000ng	8	✓	1000.0	911.2	91.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
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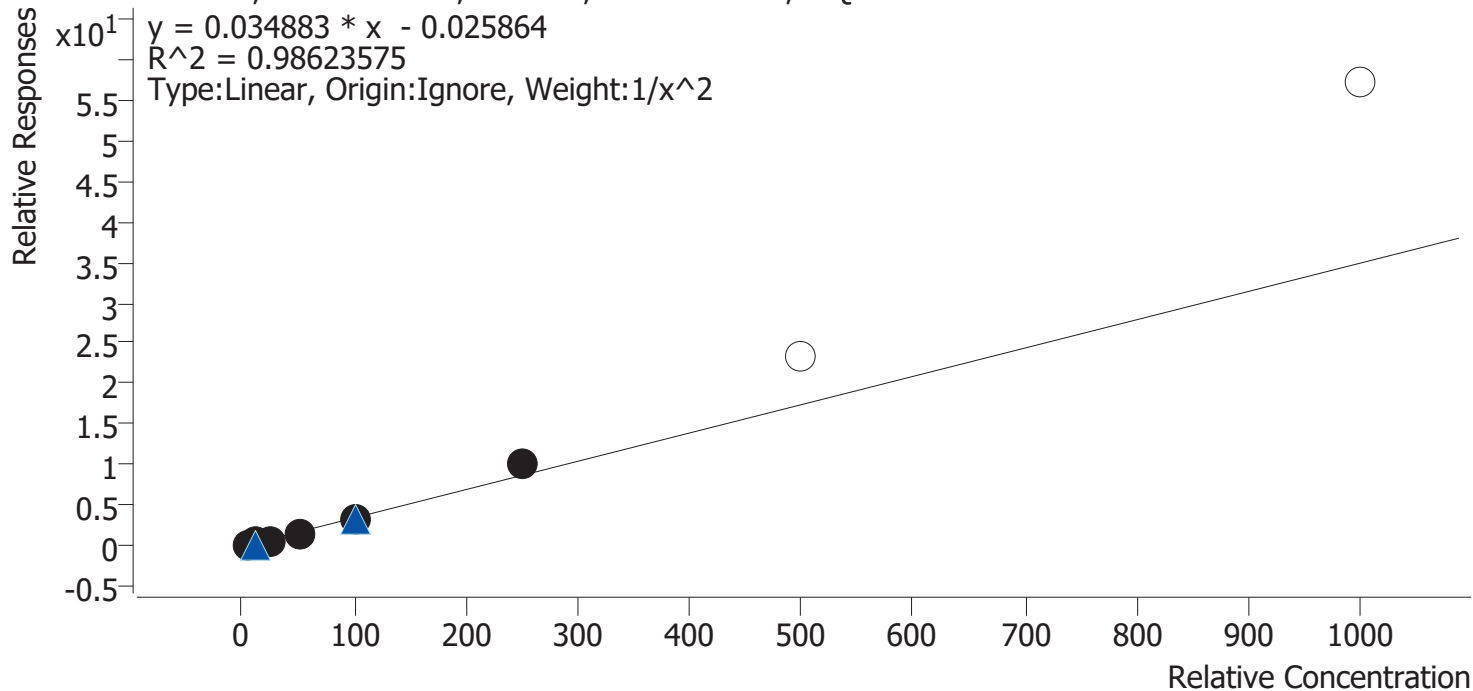
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	56.1	112.3
p1 Cal 5-100ng	5	✓	100.0	112.7	112.7
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	443.9	88.8
p1 Cal 8-1000ng	8	✓	1000.0	826.3	82.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4

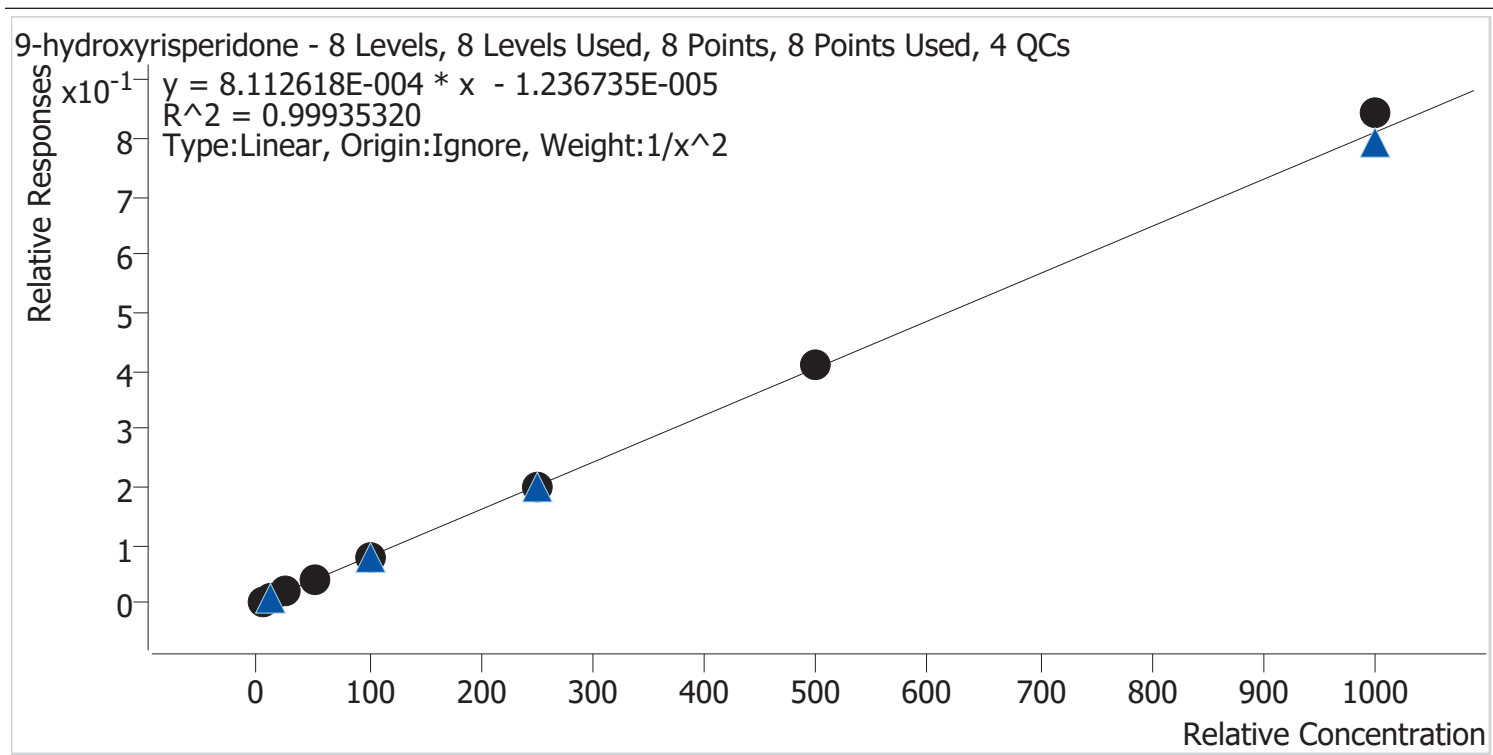
Etizolam - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	22.1	88.2
p1 Cal 4-50ng	4	✓	50.0	46.8	93.6
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	290.1	116.1
p1 Cal 7-500ng	7	×	500.0	667.4	133.5
p1 Cal 8-1000ng	8	×	1000.0	1640.6	164.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte 9-hydroxyrisperidone **Internal Standard** 9-hydroxyrisperidone-D4



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	96.7
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	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	503.1	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1040.2	104.0

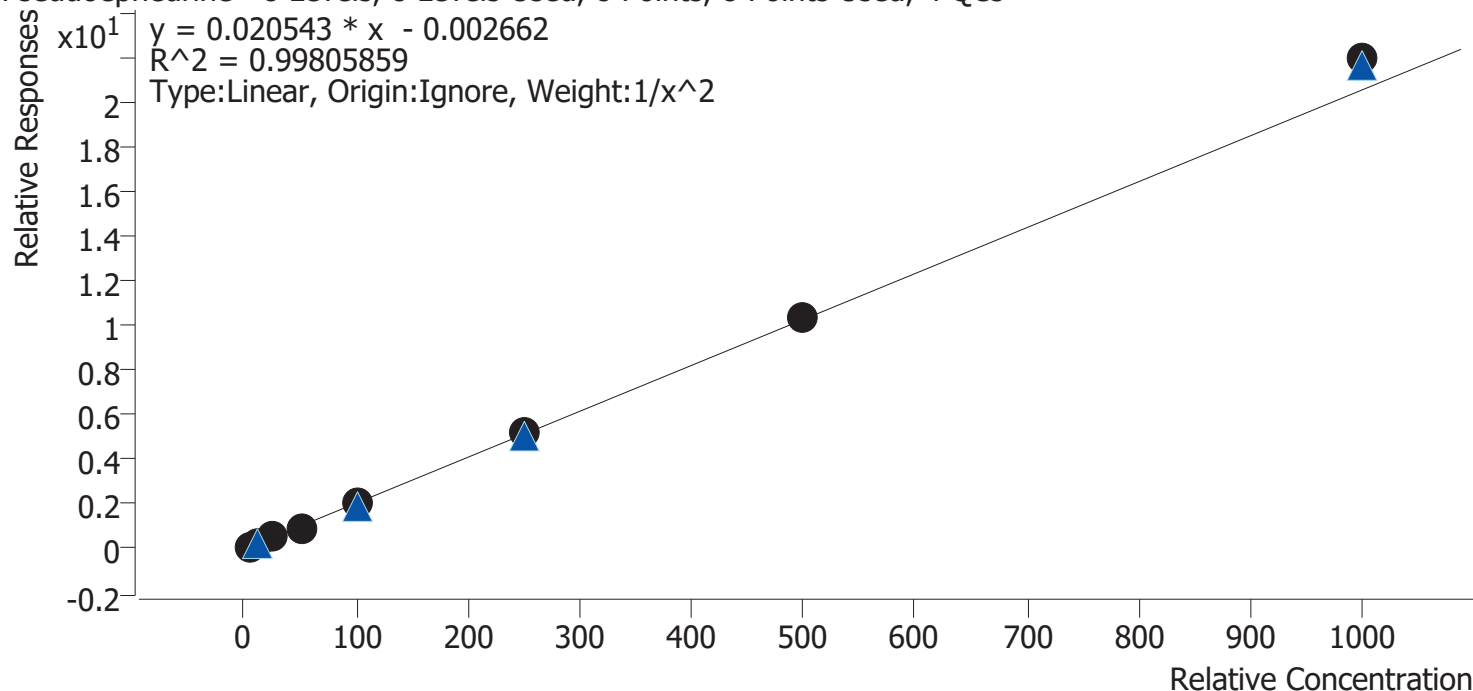
2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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

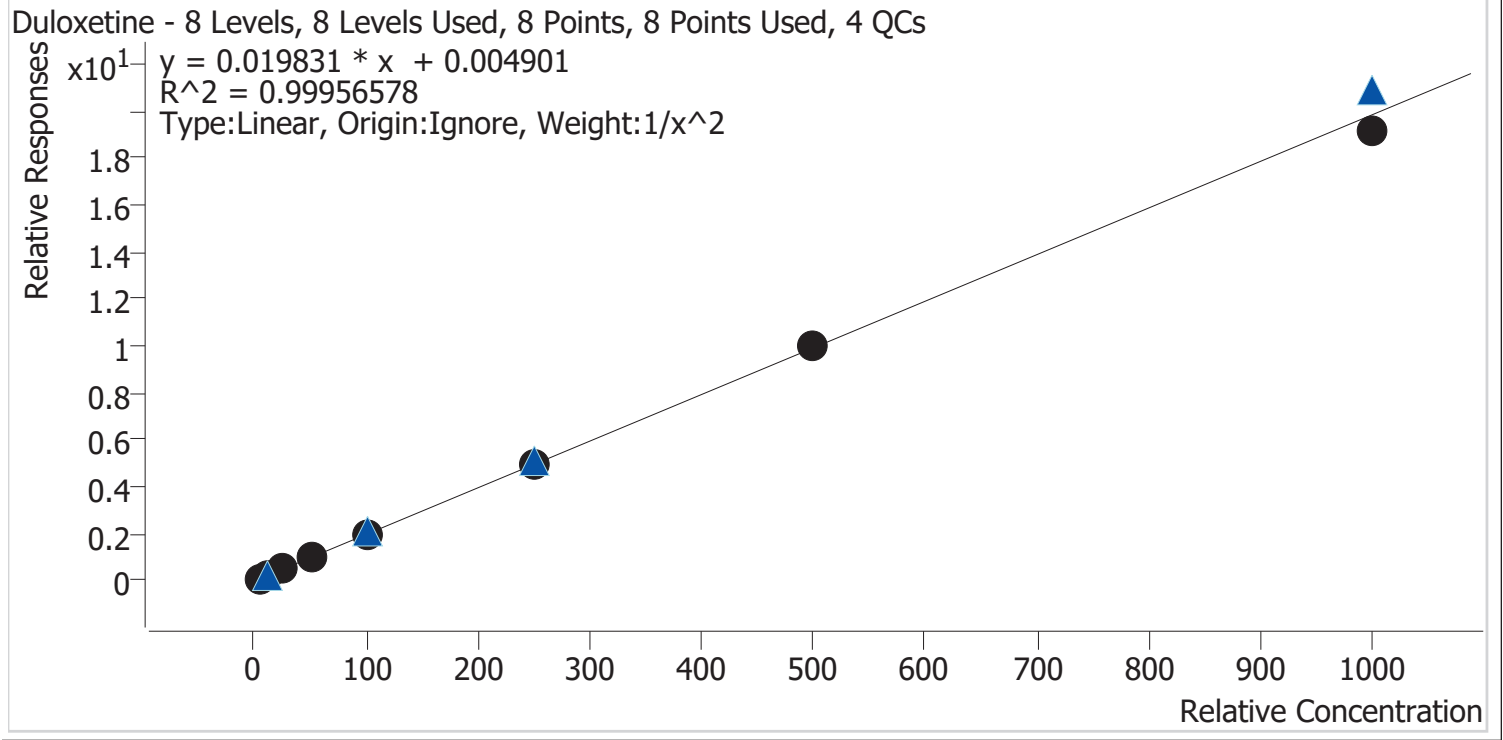


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	48.0	96.1
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	505.7	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1068.2	106.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Duloxetine **Internal Standard** Duloxetine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	49.3	98.7
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	508.1	101.6
p1 Cal 8-1000ng	8	✓	1000.0	964.8	96.5

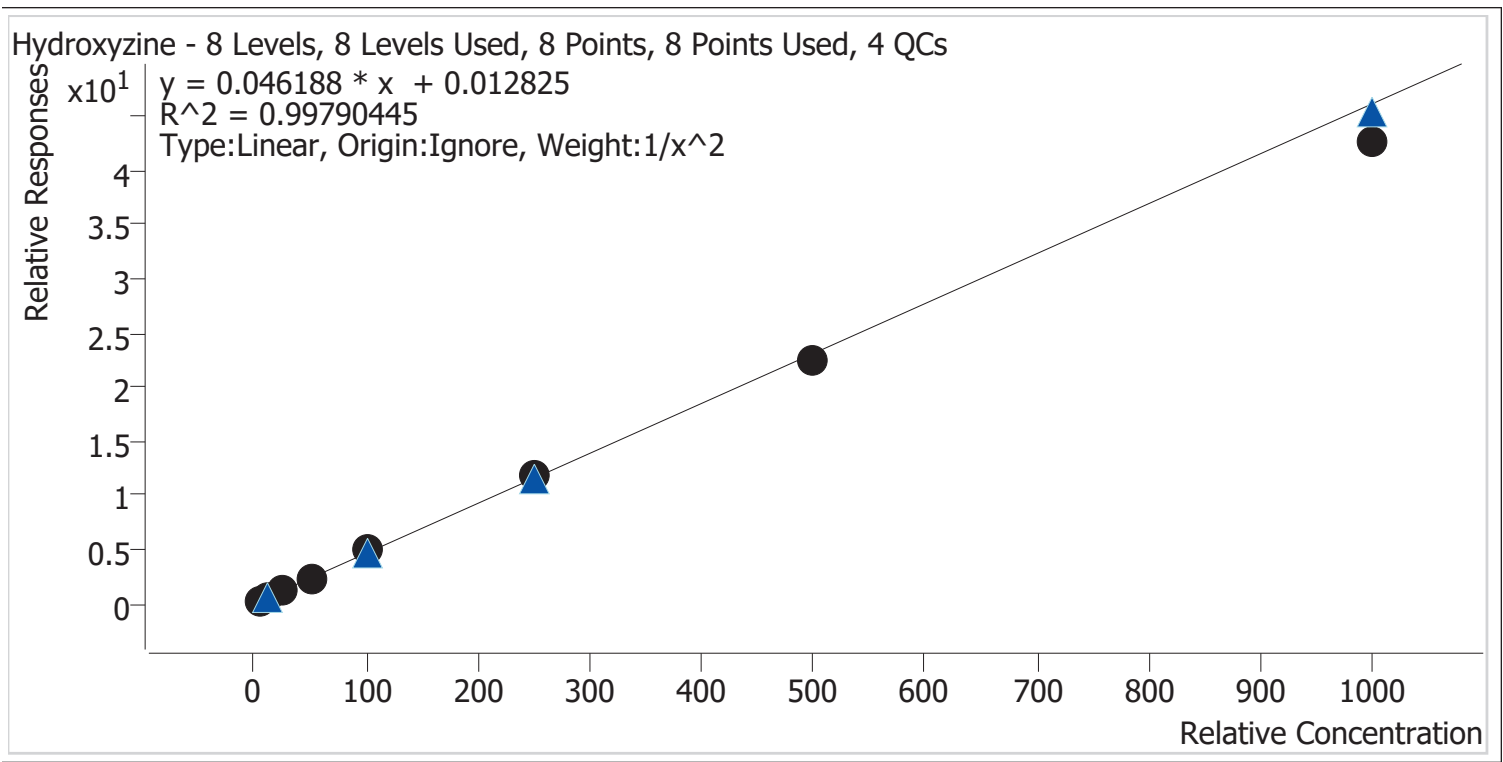


AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results
Last Cal. Update
Analyst Name
Analyte

D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
8/20/2024 1:58 PM
ISP\Datastor
Hydroxyzine

Internal Standard
Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	483.7	96.7
p1 Cal 8-1000ng	8	✓	1000.0	925.3	92.5

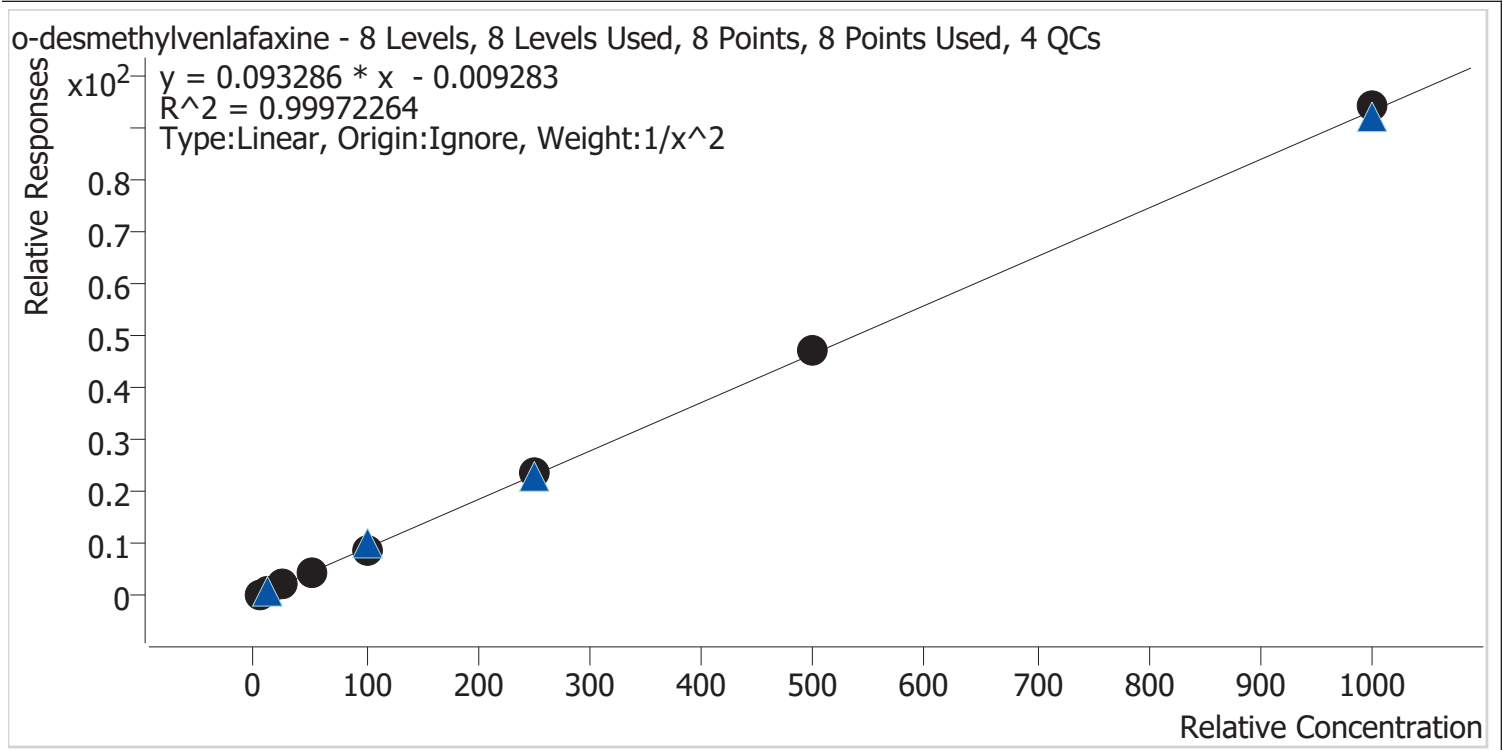


AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results
Last Cal. Update
Analyst Name
Analyte

D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
8/20/2024 1:58 PM
ISP\Datastor
o-desmethylvenlafaxine

Internal Standard
o-desmethylvenlafaxine-D6

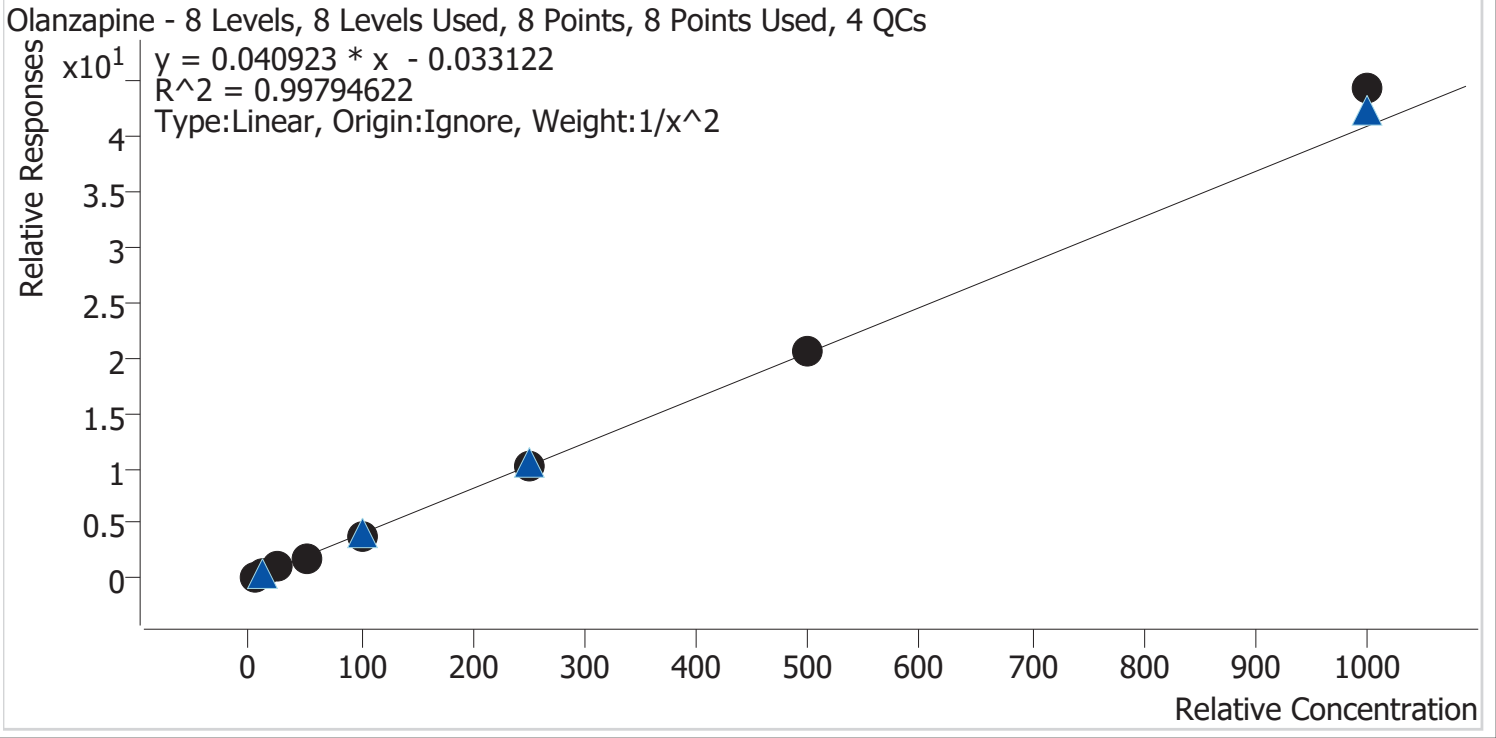


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	507.1	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1009.6	101.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Olanzapine **Internal Standard** Olanzapine-D8

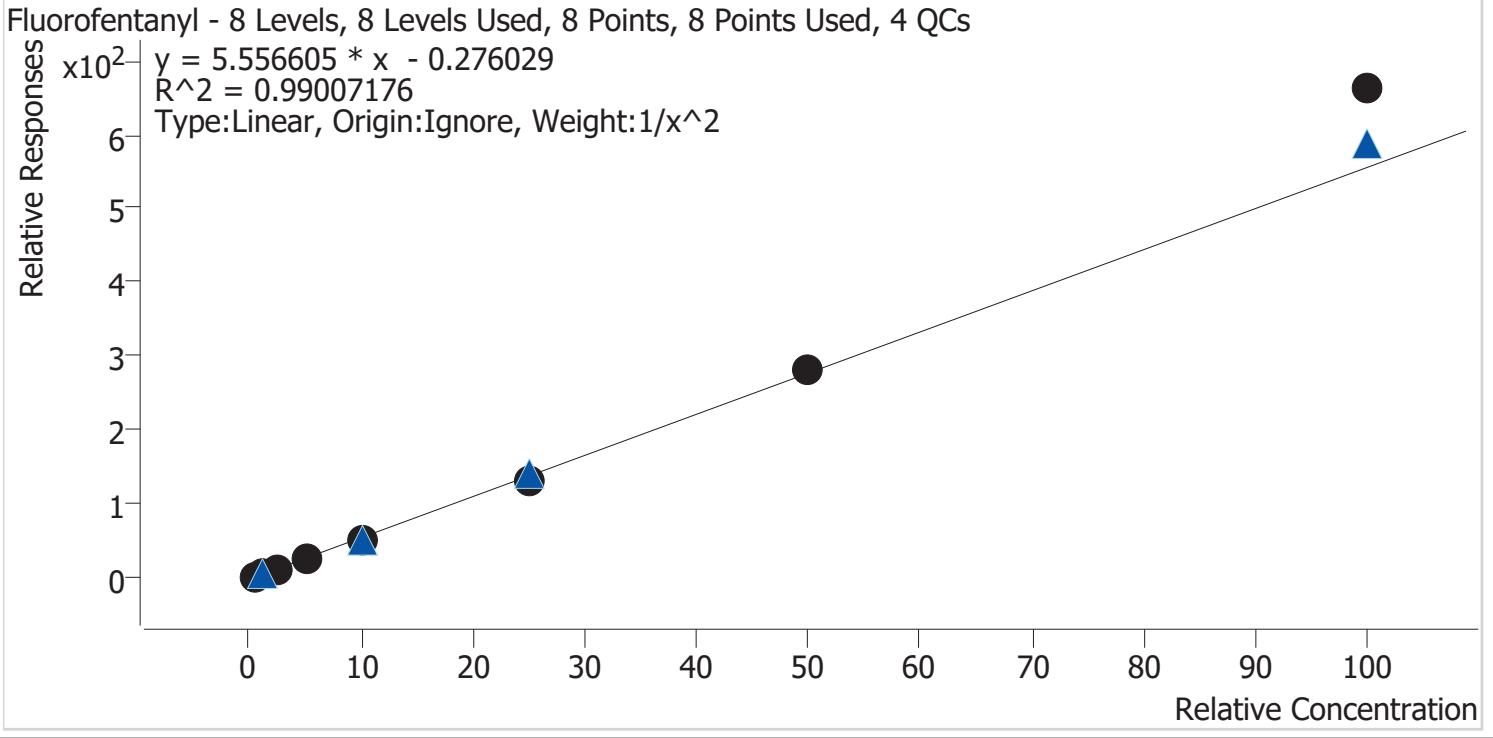


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	506.1	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1083.1	108.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin		
Last Cal. Update	8/20/2024 1:58 PM		
Analyst Name	ISP\Datastor		
Analyte	Fluorofentanyl	Internal Standard	Fluorofentanyl-D5

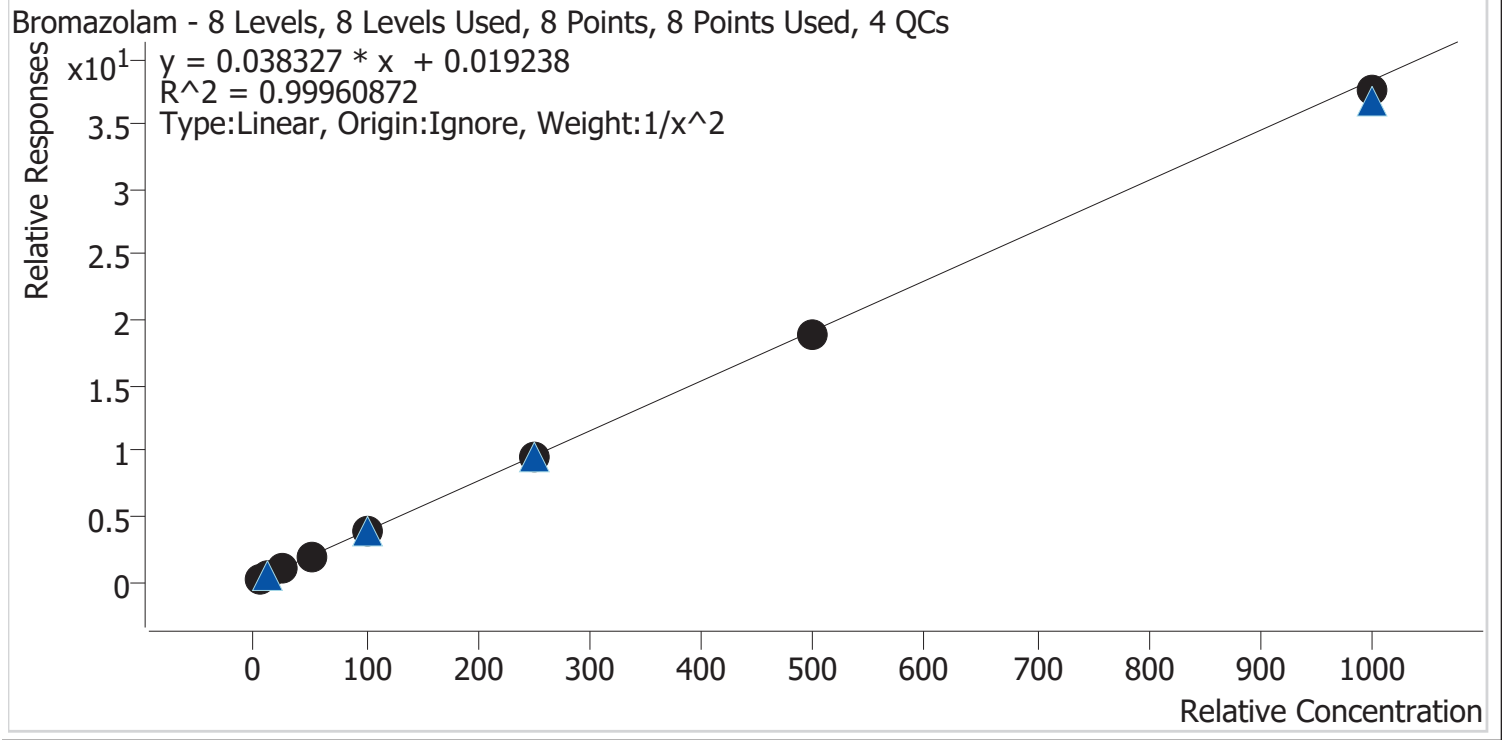


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.9
p1 Cal 2-10ng	2	✓	1.0	1.0	98.8
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.6
p1 Cal 4-50ng	4	✓	5.0	4.6	91.1
p1 Cal 5-100ng	5	✓	10.0	9.6	96.2
p1 Cal 6-250ng	6	✓	25.0	24.1	96.4
p1 Cal 7-500ng	7	✓	50.0	50.9	101.8
p1 Cal 8-1000ng	8	✓	100.0	119.2	119.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Bromazolam **Internal Standard** Bromazolam-D5

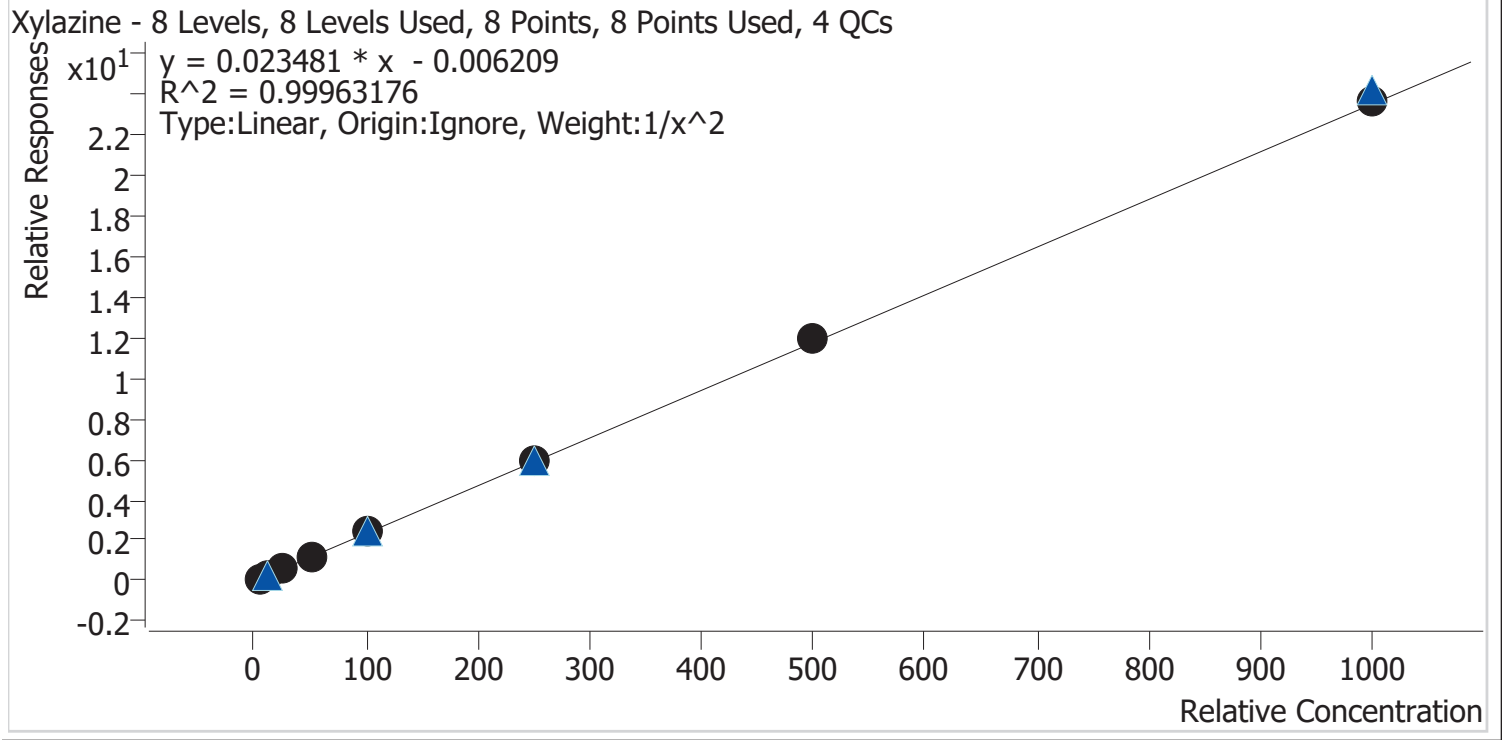


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	489.5	97.9
p1 Cal 8-1000ng	8	✓	1000.0	979.3	97.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Xylazine **Internal Standard** Xylanzine-D6

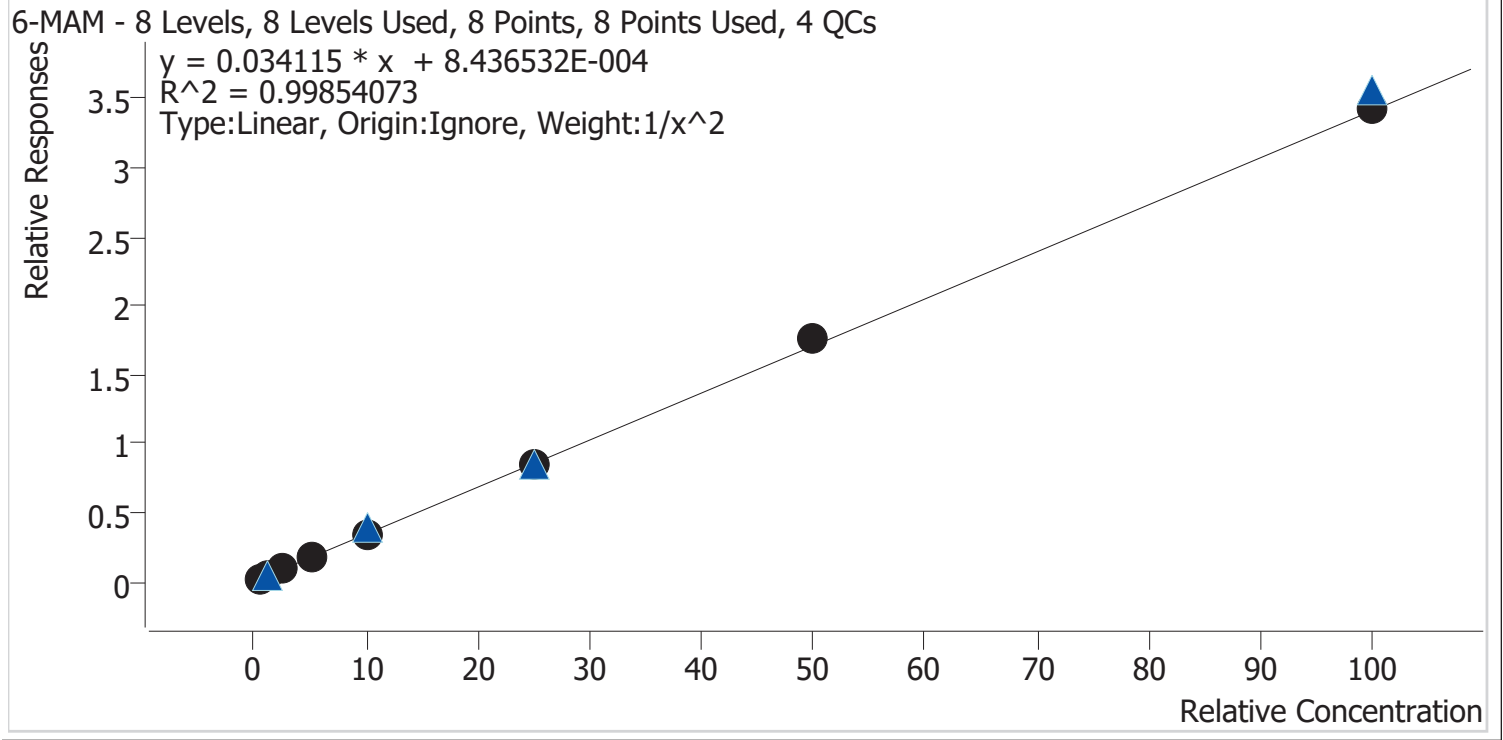


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	505.5	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1002.9	100.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6



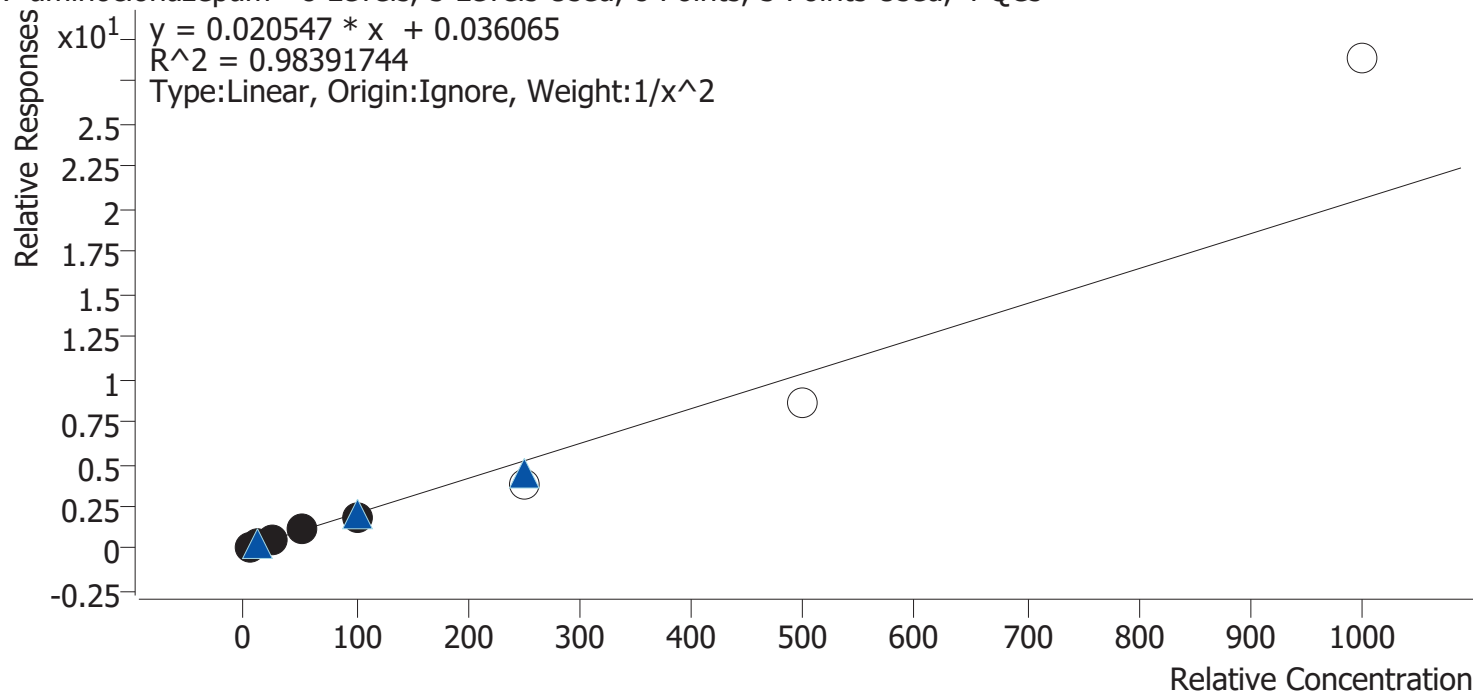
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.6
p1 Cal 2-10ng	2	✓	1.0	0.9	92.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.5
p1 Cal 4-50ng	4	✓	5.0	5.1	101.7
p1 Cal 5-100ng	5	✓	10.0	10.1	100.8
p1 Cal 6-250ng	6	✓	25.0	24.9	99.5
p1 Cal 7-500ng	7	✓	50.0	51.3	102.6
p1 Cal 8-1000ng	8	✓	100.0	100.4	100.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2-10ng	2	✓	10.0	10.7	107.2
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.6
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	85.5	85.5
p1 Cal 6-250ng	6	×	250.0	187.3	74.9
p1 Cal 7-500ng	7	×	500.0	415.1	83.0
p1 Cal 8-1000ng	8	×	1000.0	1401.1	140.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin

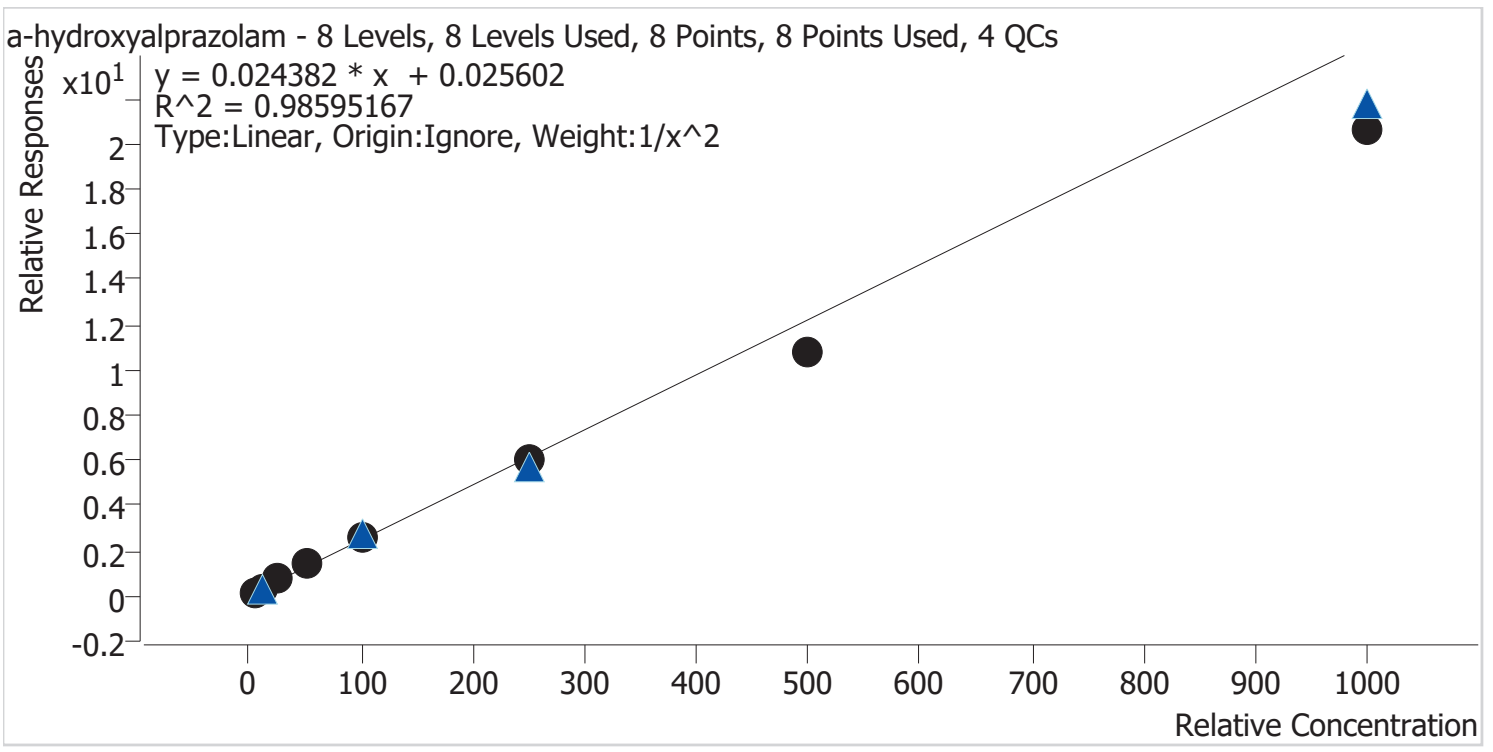
8/20/2024 1:58 PM

ISP\Datastor

a-hydroxyalprazolam

Internal Standard

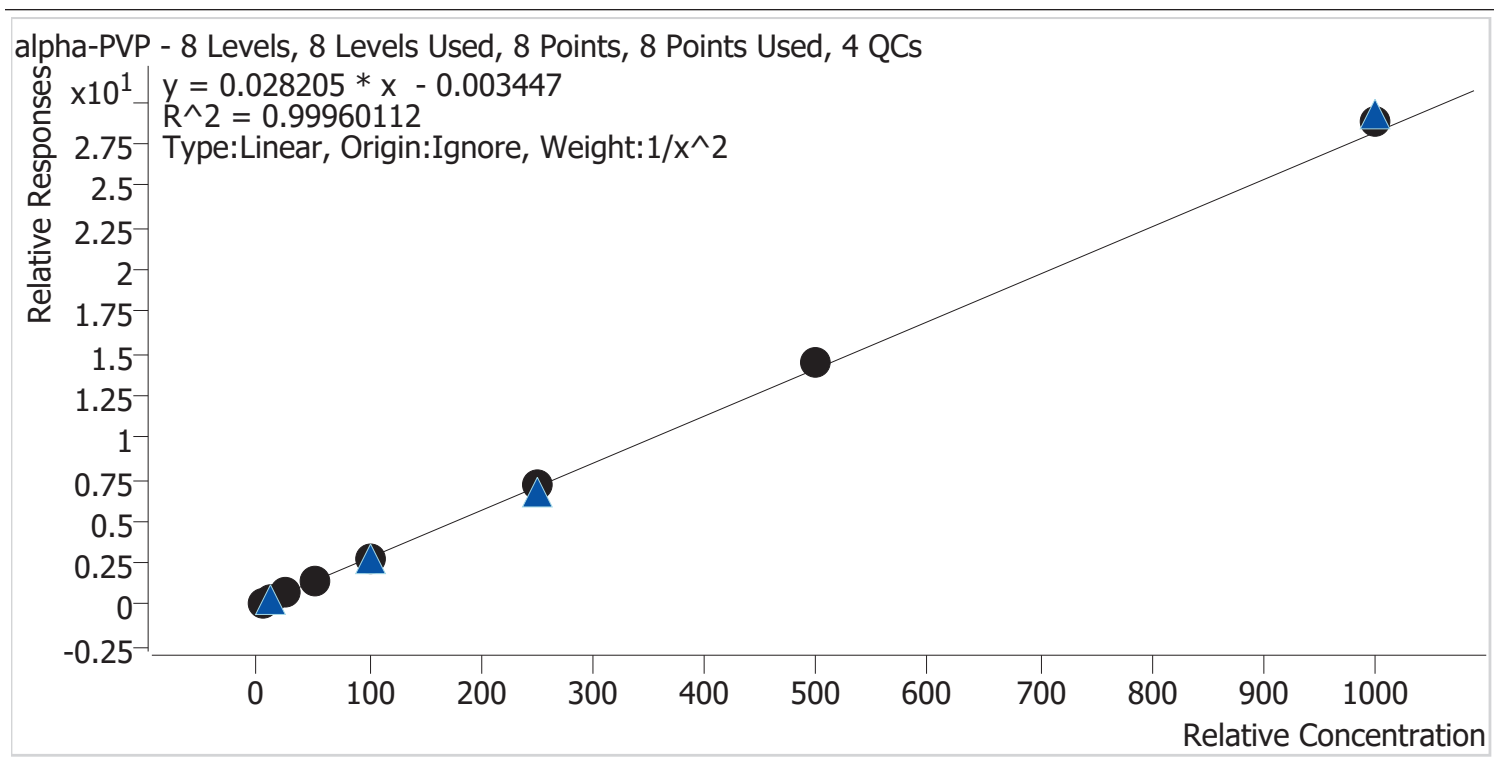
a-hydroxyalprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.8
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	28.5	114.2
p1 Cal 4-50ng	4	✓	50.0	54.7	109.3
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	244.4	97.7
p1 Cal 7-500ng	7	✓	500.0	444.1	88.8
p1 Cal 8-1000ng	8	✓	1000.0	848.4	84.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-D8

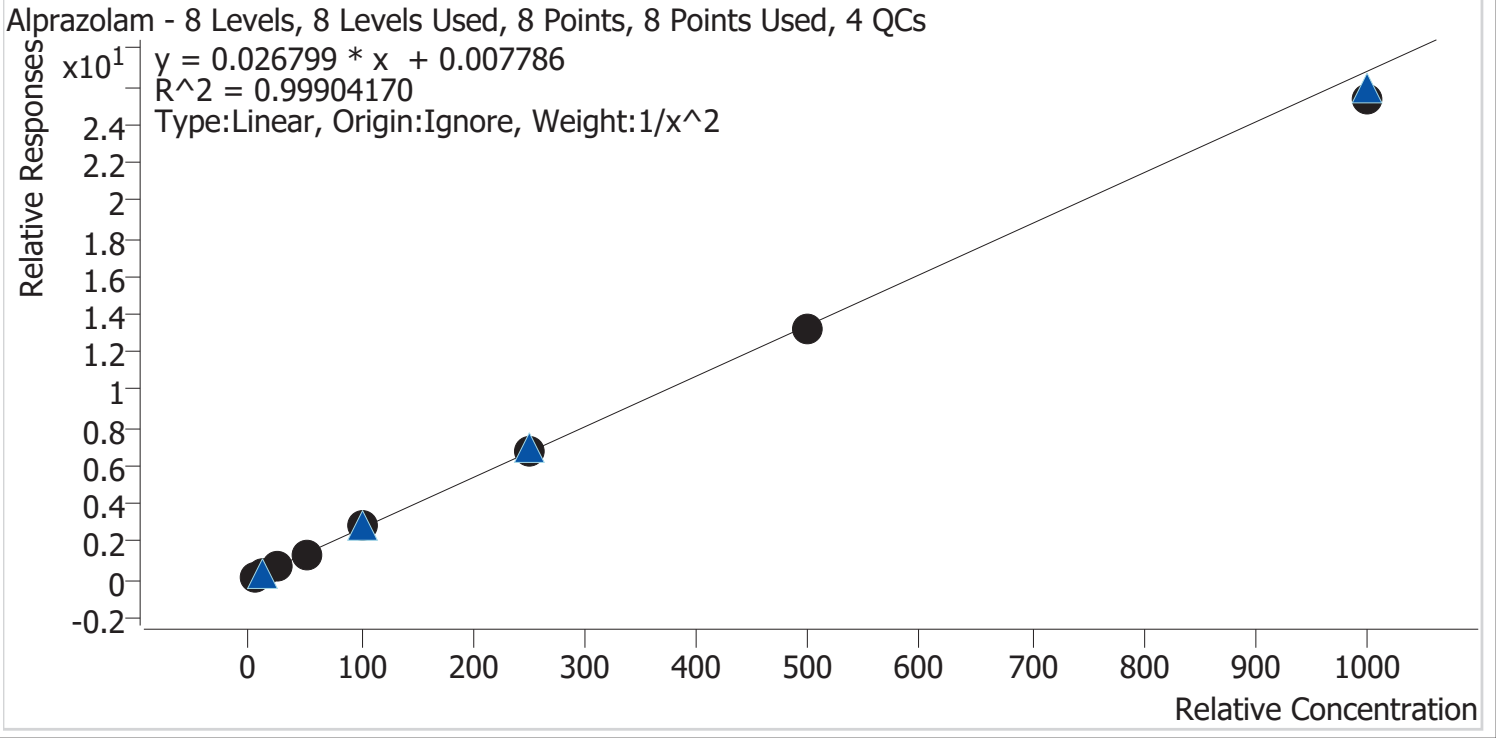


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	510.8	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1021.8	102.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

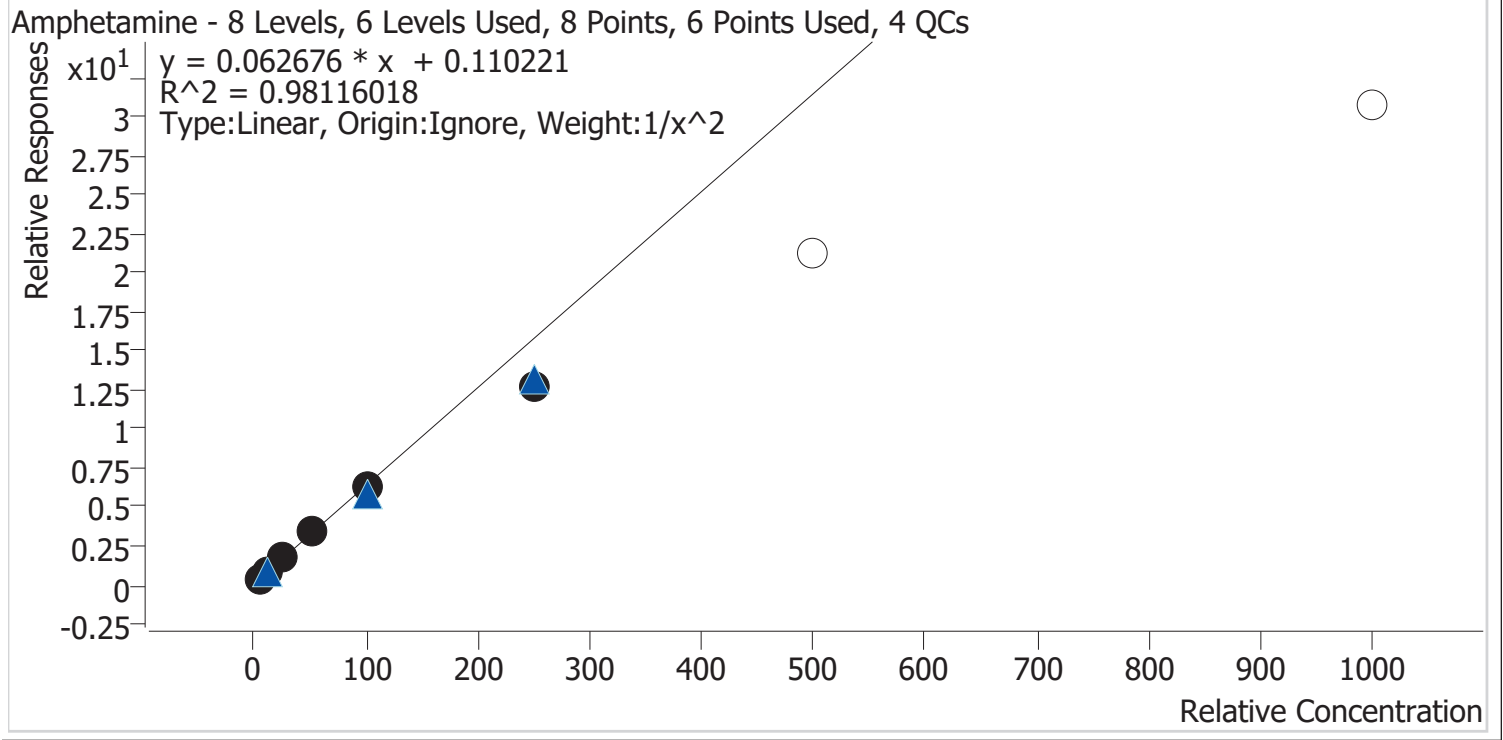


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	493.4	98.7
p1 Cal 8-1000ng	8	✓	1000.0	944.2	94.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

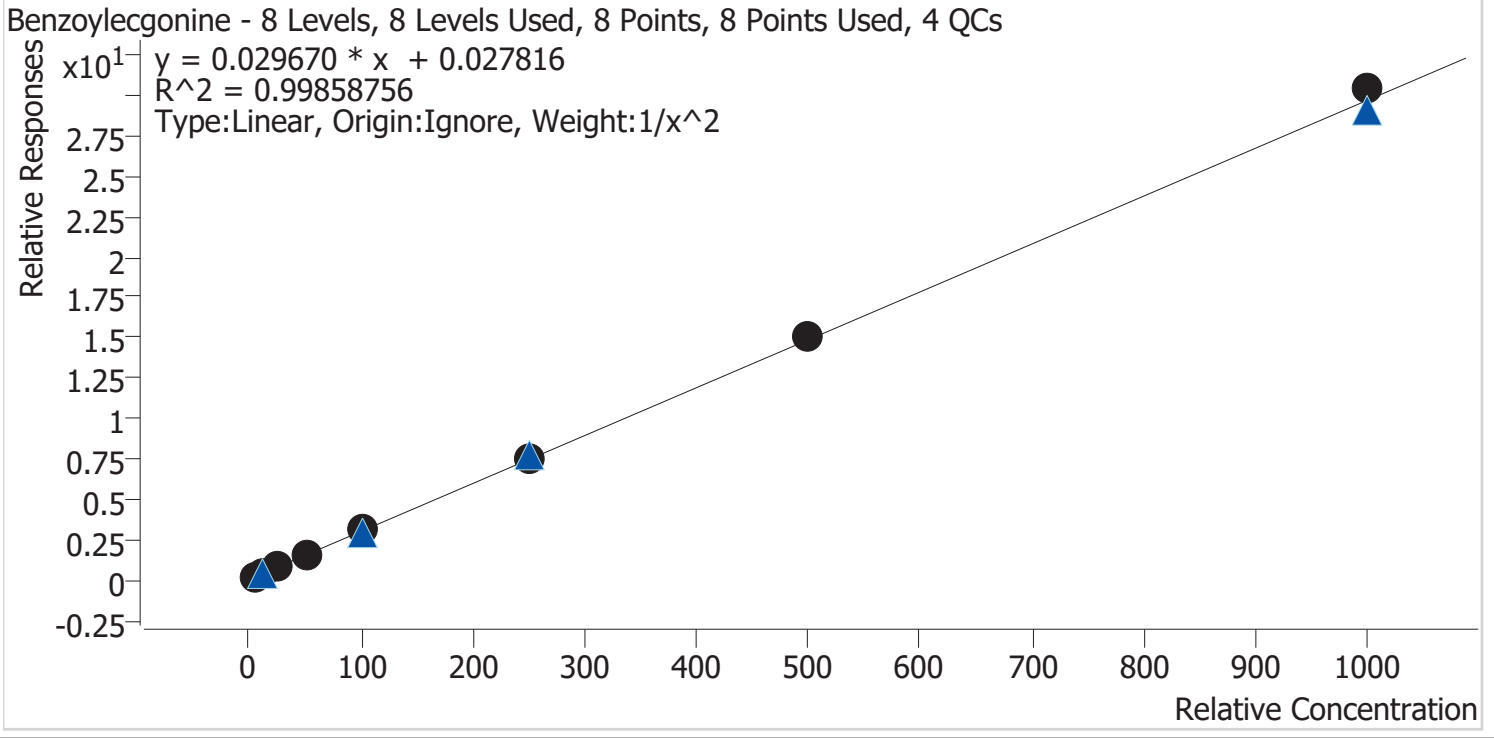


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.4
p1 Cal 2-10ng	2	✓	10.0	10.6	105.9
p1 Cal 3 -25ng	3	✓	25.0	27.9	111.5
p1 Cal 4-50ng	4	✓	50.0	53.8	107.5
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	201.1	80.5
p1 Cal 7-500ng	7	×	500.0	338.6	67.7
p1 Cal 8-1000ng	8	×	1000.0	490.4	49.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin		
Last Cal. Update	8/20/2024 1:58 PM		
Analyst Name	ISP\Datastor		
Analyte	Benzoylecgonine	Internal Standard	Benzoylecgonine-d8

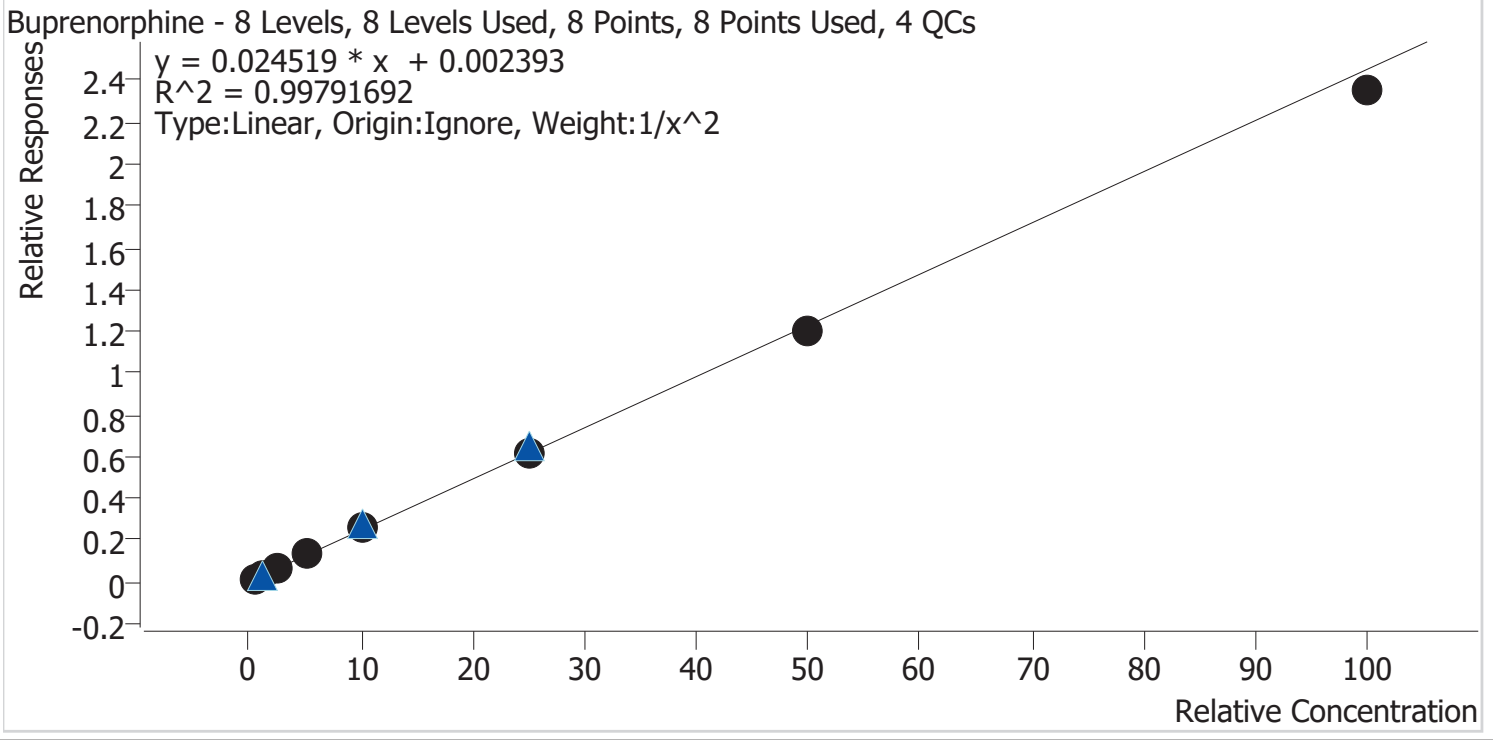


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.5	94.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	504.9	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1024.7	102.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin		
Last Cal. Update	8/20/2024 1:58 PM		
Analyst Name	ISP\Datastor		
Analyte	Buprenorphine	Internal Standard	Buprenorphine-D4

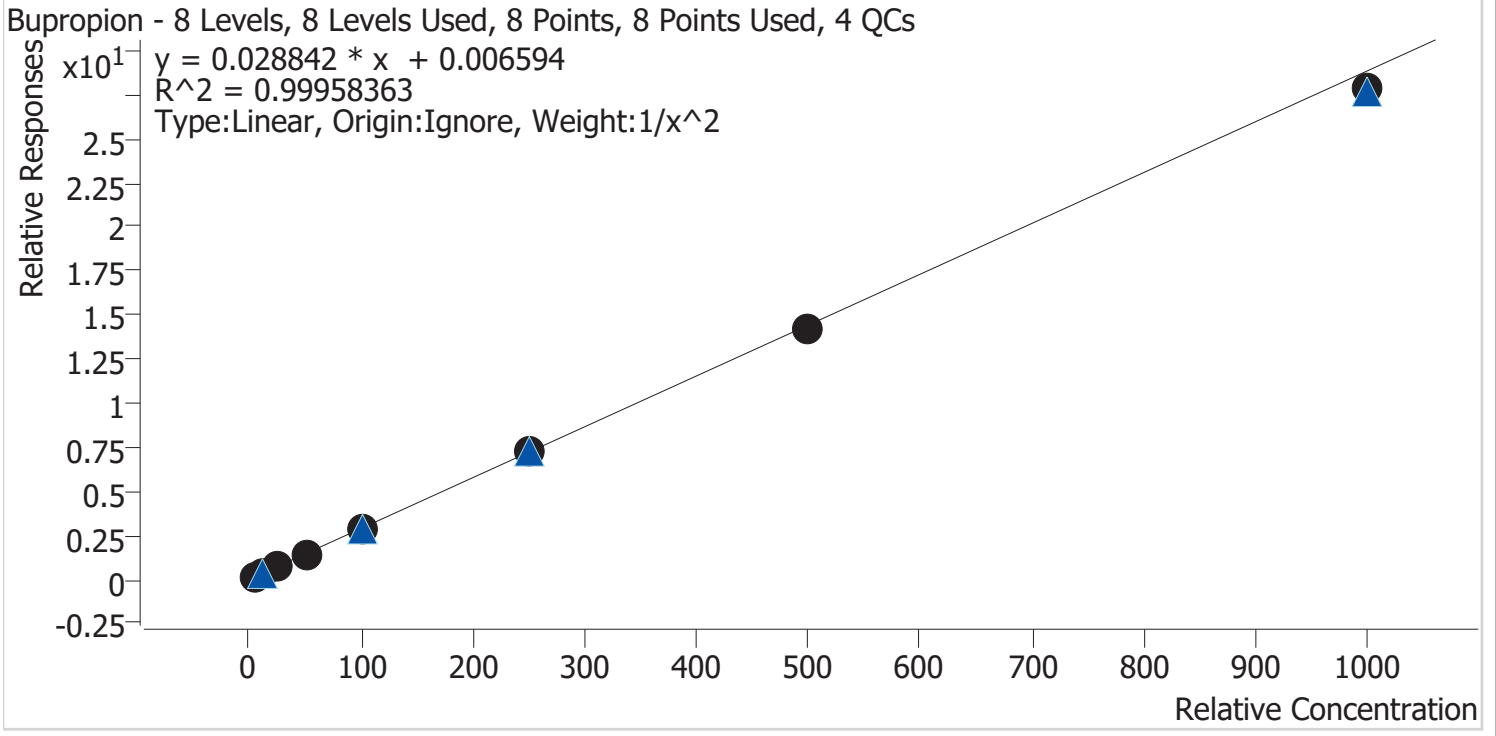


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.0
p1 Cal 2-10ng	2	✓	1.0	1.0	97.3
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.7
p1 Cal 4-50ng	4	✓	5.0	5.3	105.1
p1 Cal 5-100ng	5	✓	10.0	10.7	106.7
p1 Cal 6-250ng	6	✓	25.0	24.7	99.0
p1 Cal 7-500ng	7	✓	50.0	48.7	97.3
p1 Cal 8-1000ng	8	✓	100.0	95.8	95.8



AM #28 Multi-Drug Quant. Calibration Curve Report

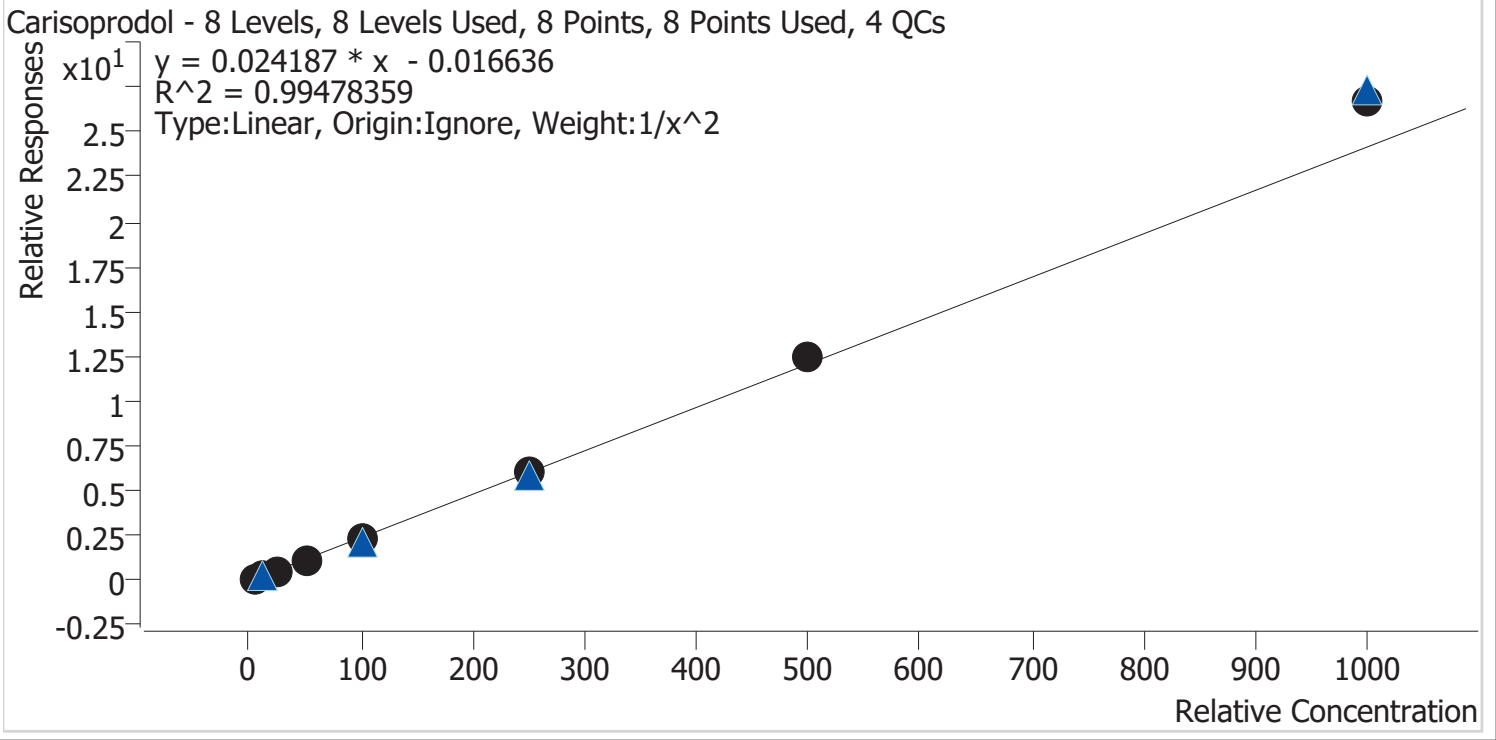
Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9





AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



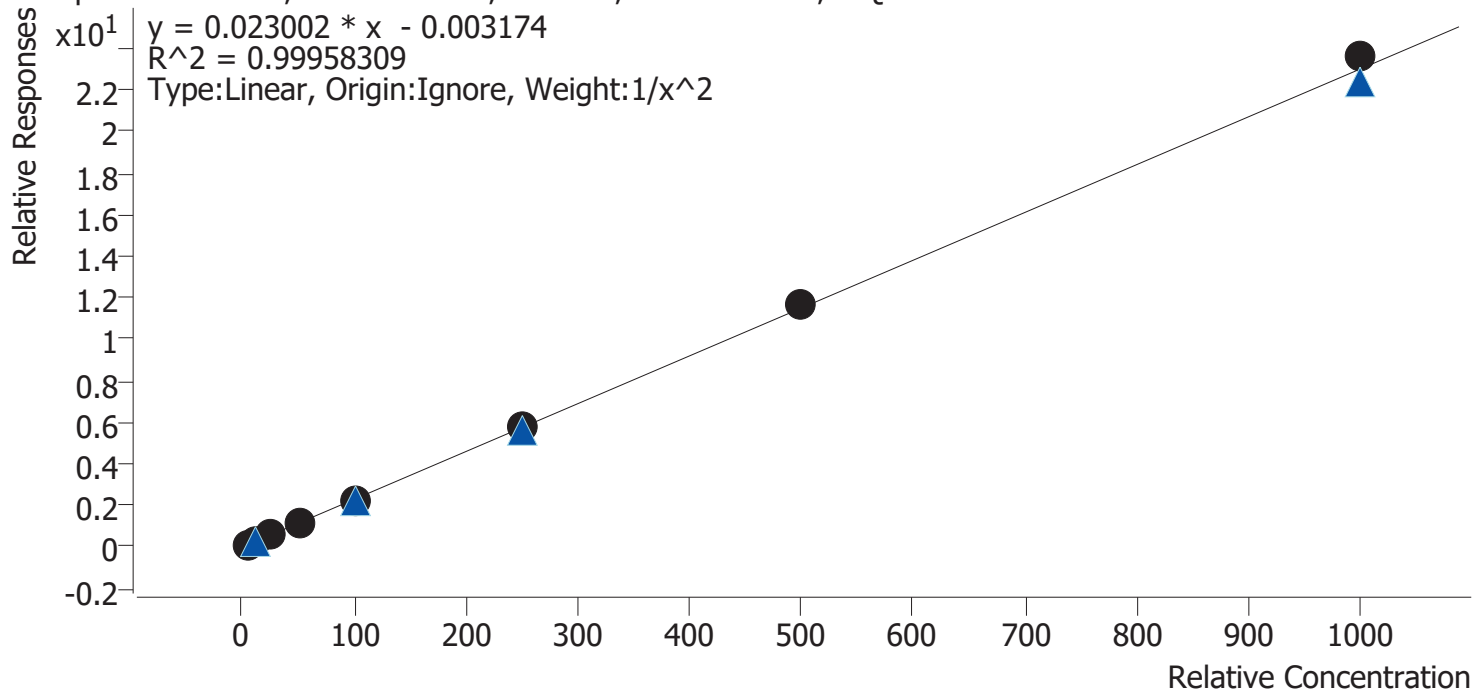
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	23.0	91.9
p1 Cal 4-50ng	4	✓	50.0	46.2	92.5
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	519.8	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1104.8	110.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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

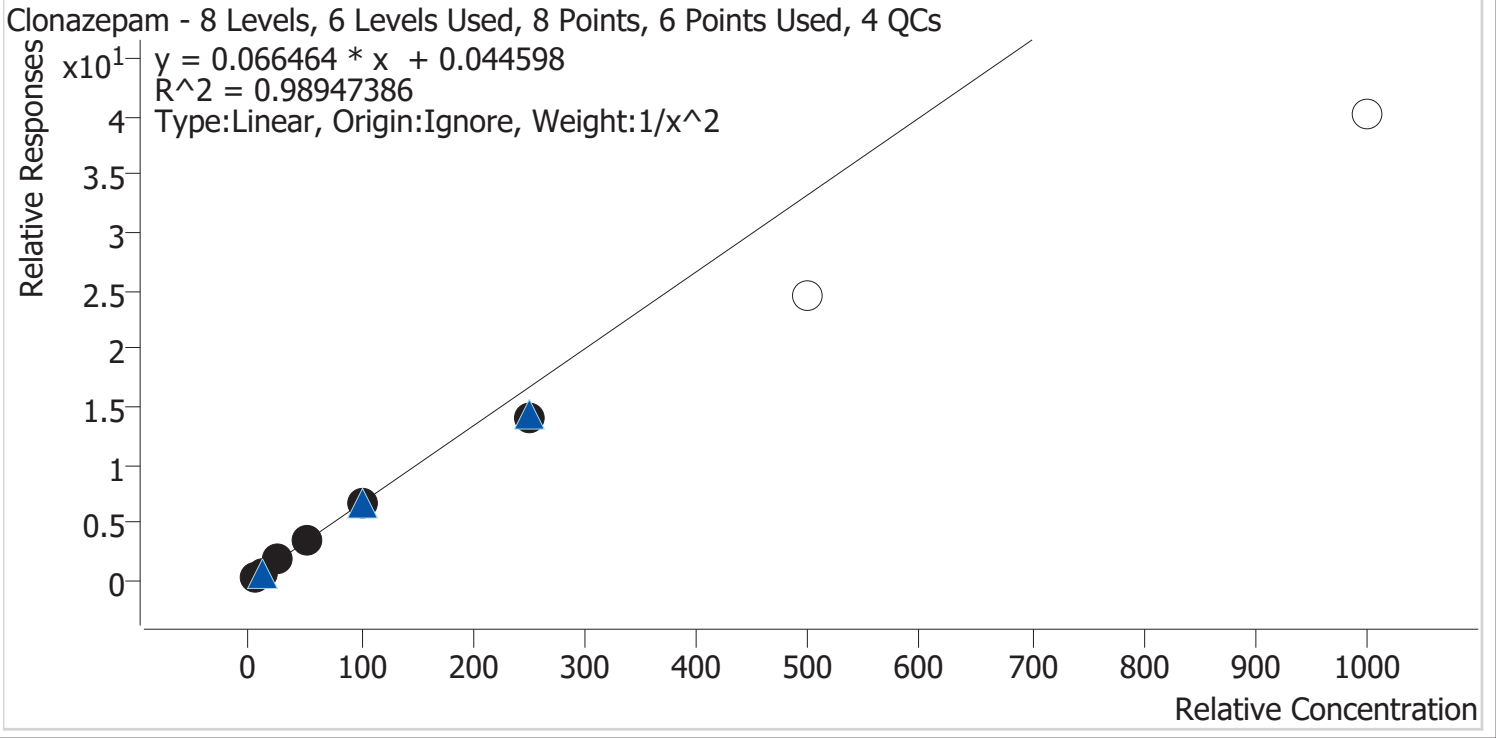


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	509.9	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1026.0	102.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

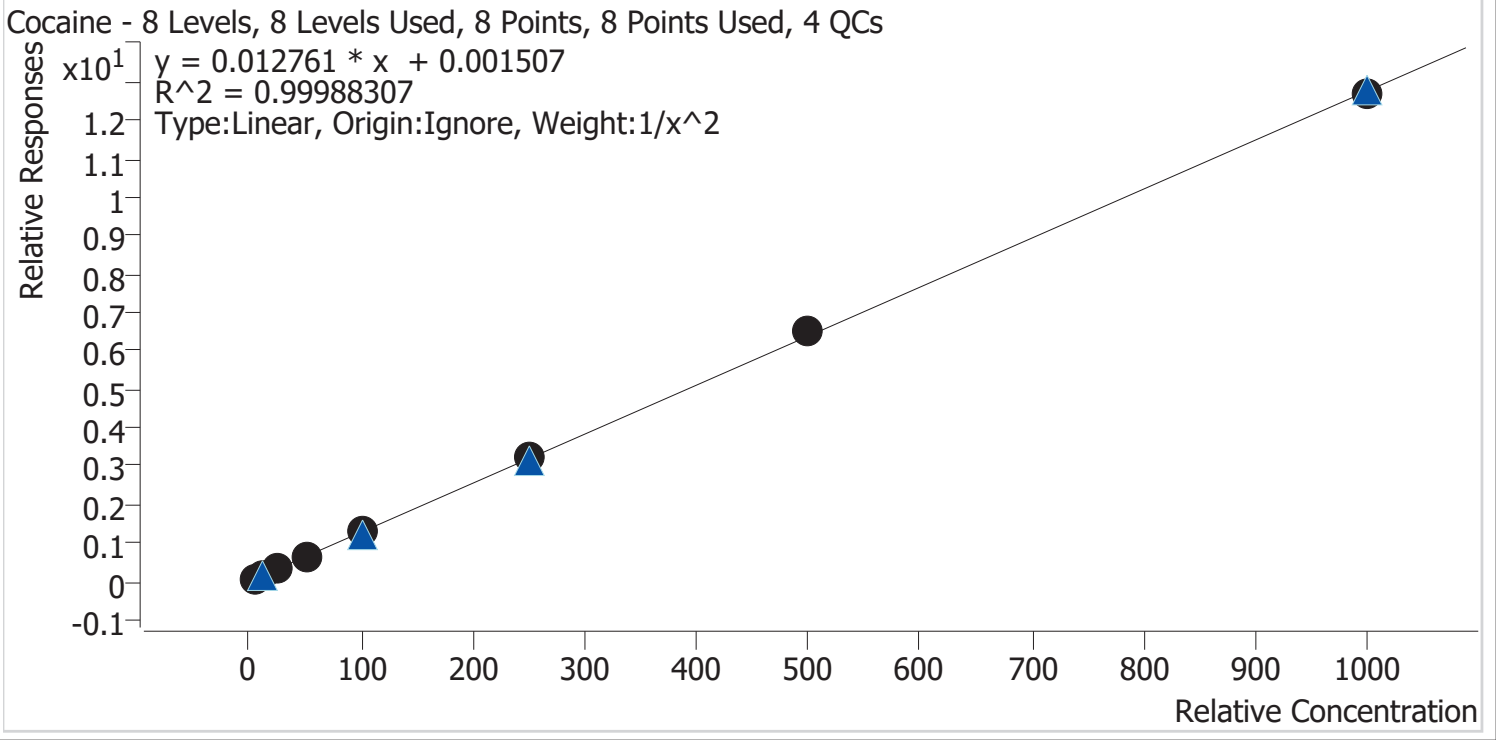


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.9
p1 Cal 4-50ng	4	✓	50.0	52.6	105.3
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	212.6	85.0
p1 Cal 7-500ng	7	×	500.0	369.2	73.8
p1 Cal 8-1000ng	8	×	1000.0	603.7	60.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Cocaine Internal Standard Cocaine-D3

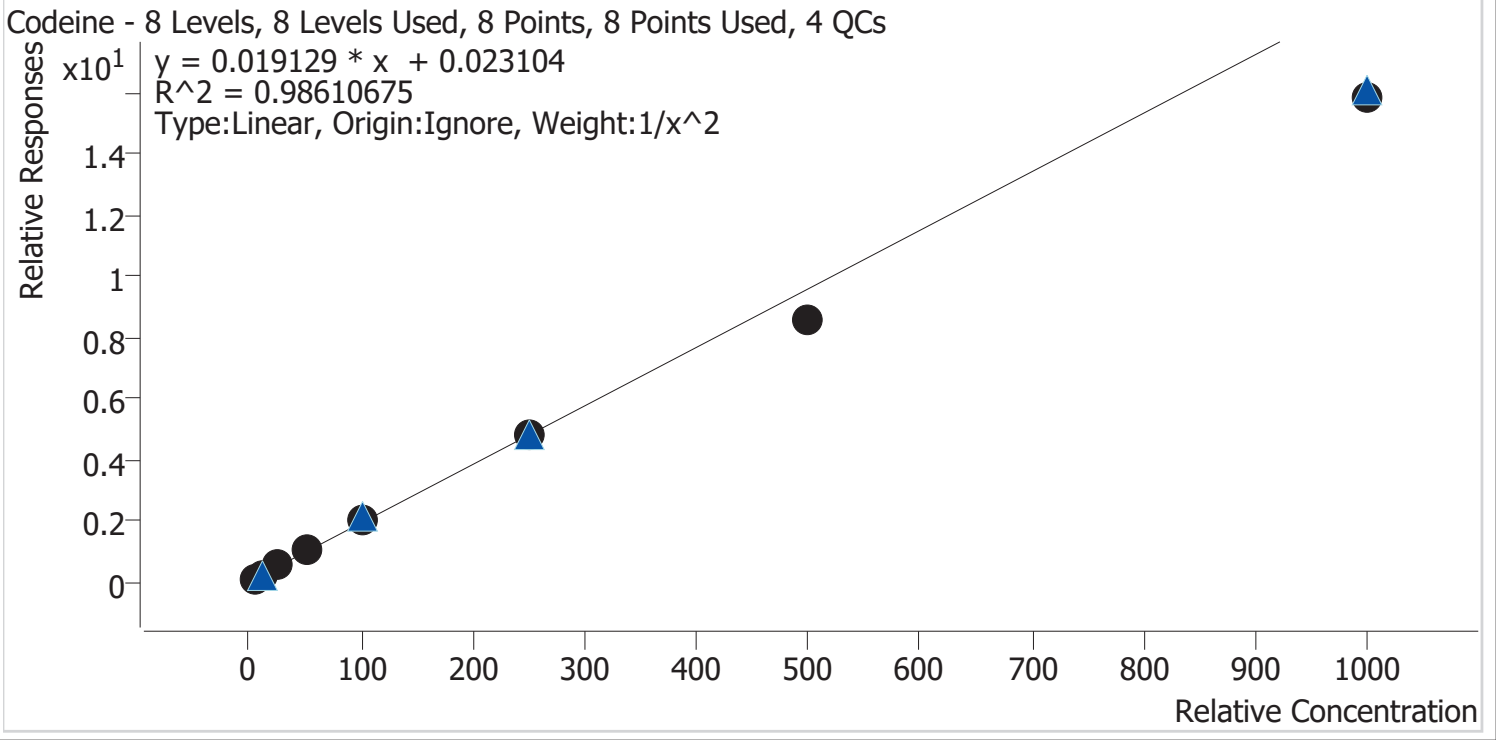


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	506.8	101.4
p1 Cal 8-1000ng	8	✓	1000.0	998.3	99.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Codeine **Internal Standard** Codeine-D6

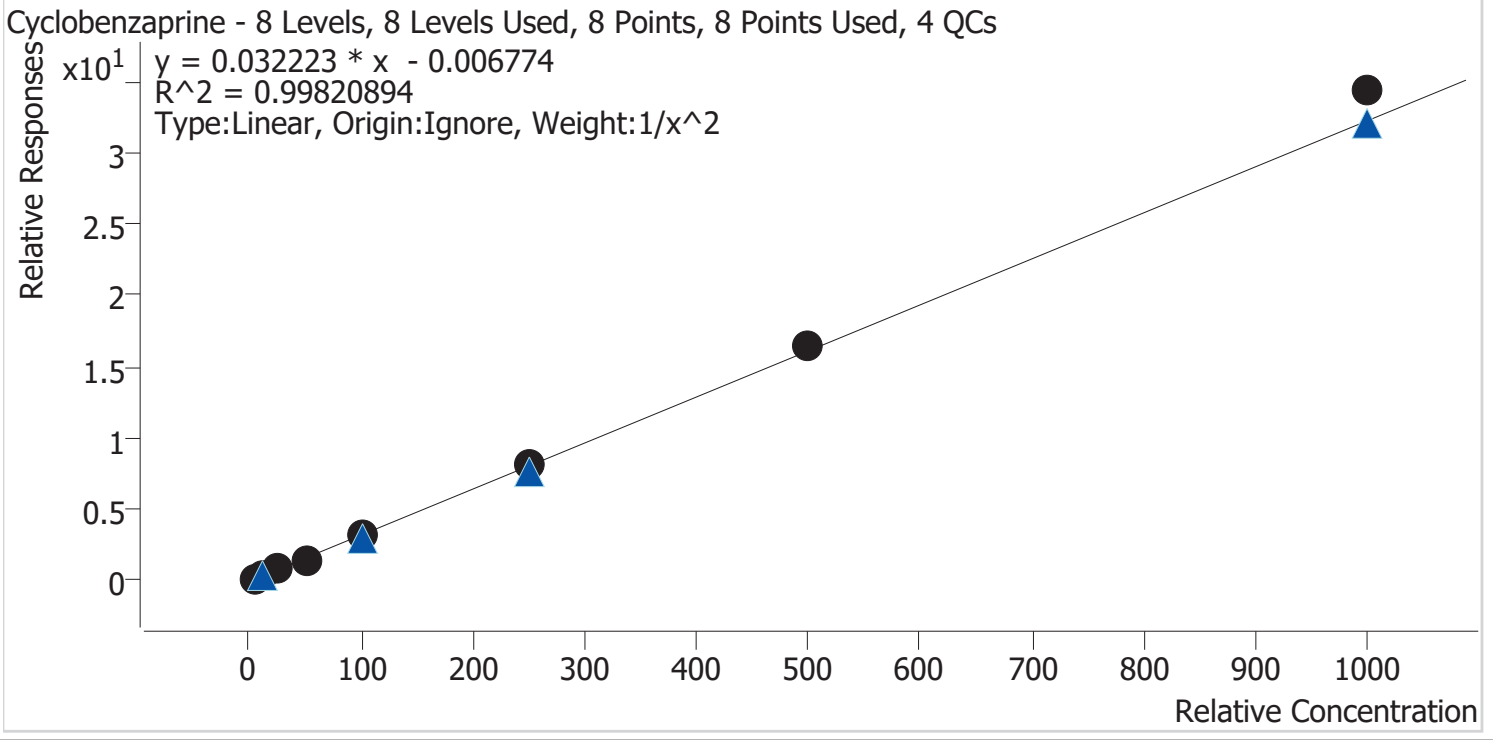


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.4
p1 Cal 2-10ng	2	✓	10.0	10.7	107.1
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.5
p1 Cal 4-50ng	4	✓	50.0	55.8	111.6
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	250.1	100.1
p1 Cal 7-500ng	7	✓	500.0	449.6	89.9
p1 Cal 8-1000ng	8	✓	1000.0	827.7	82.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin		
Last Cal. Update	8/20/2024 1:58 PM		
Analyst Name	ISP\Datastor		
Analyte	Cyclobenzaprine	Internal Standard	Cyclobenzaprine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	510.3	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1065.7	106.6

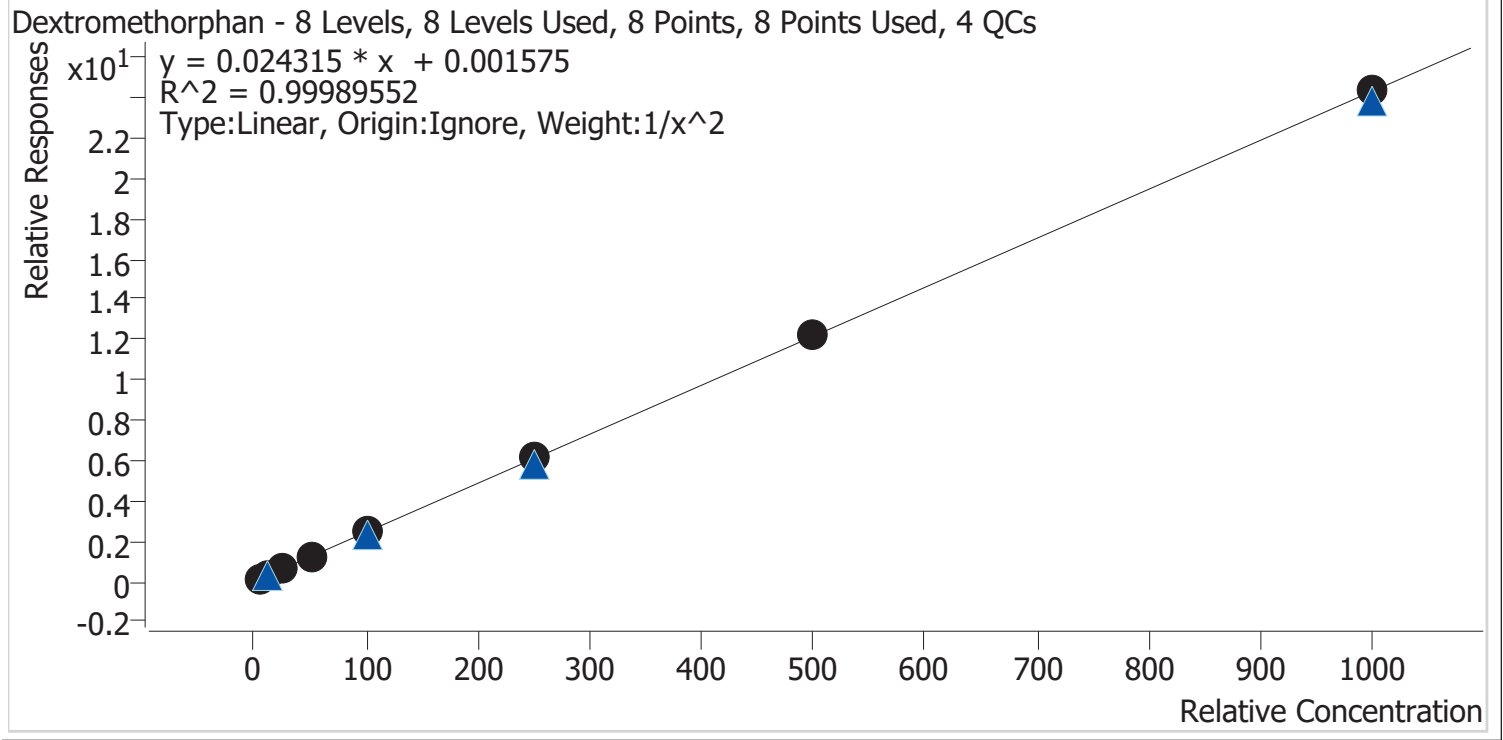


AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results
Last Cal. Update
Analyst Name
Analyte

D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
8/20/2024 1:58 PM
ISP\Datastor
Dextromethorphan

Internal Standard
Dextromethorphan-D3



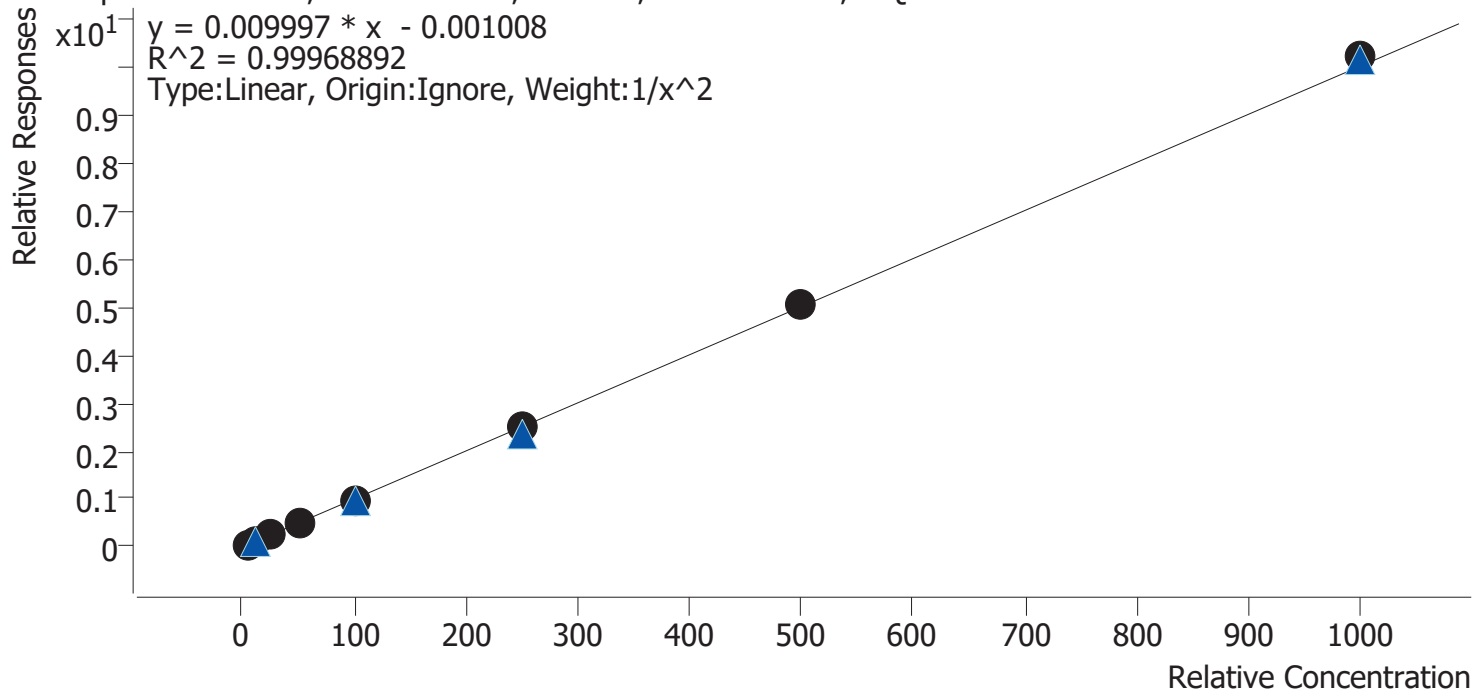
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	507.0	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1001.6	100.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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

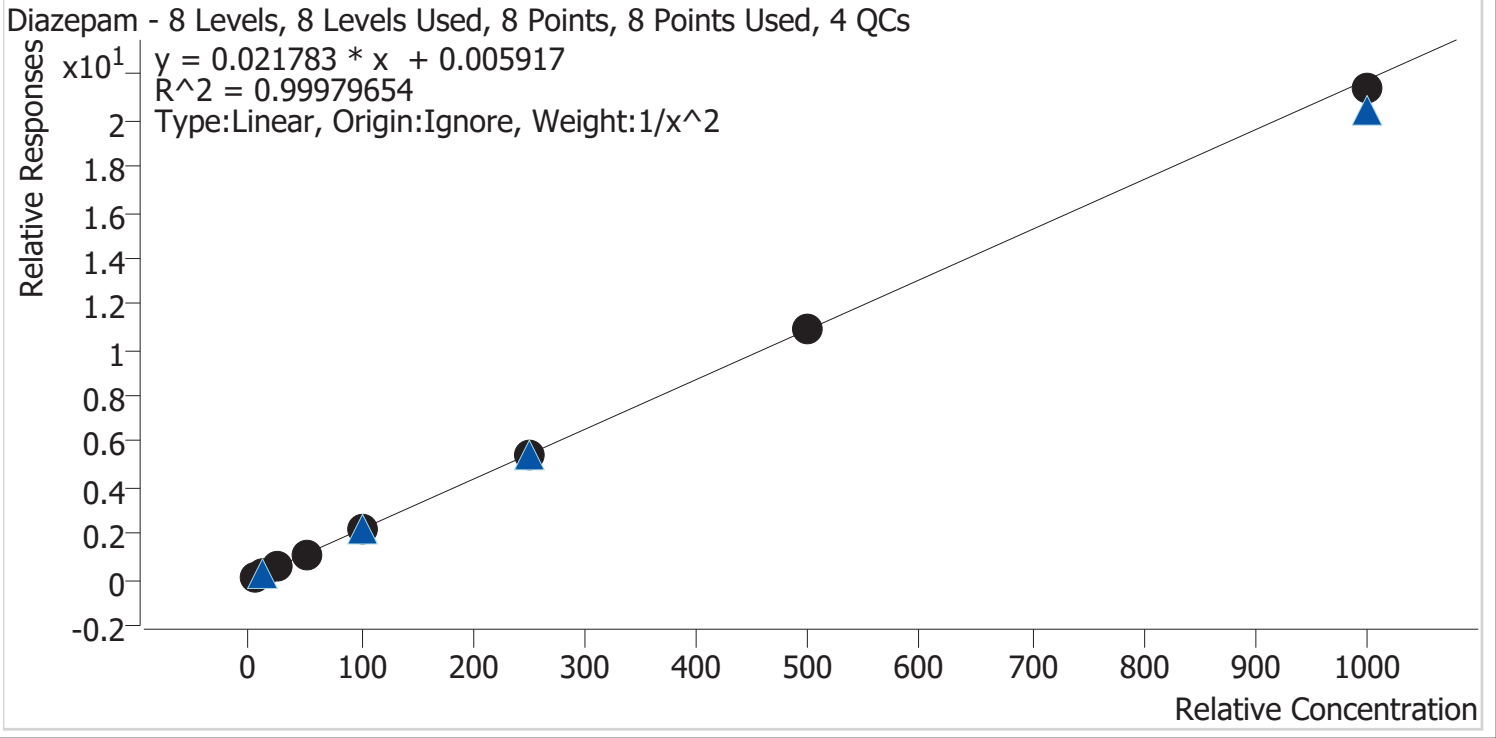


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	48.5	97.1
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	505.5	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1020.1	102.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

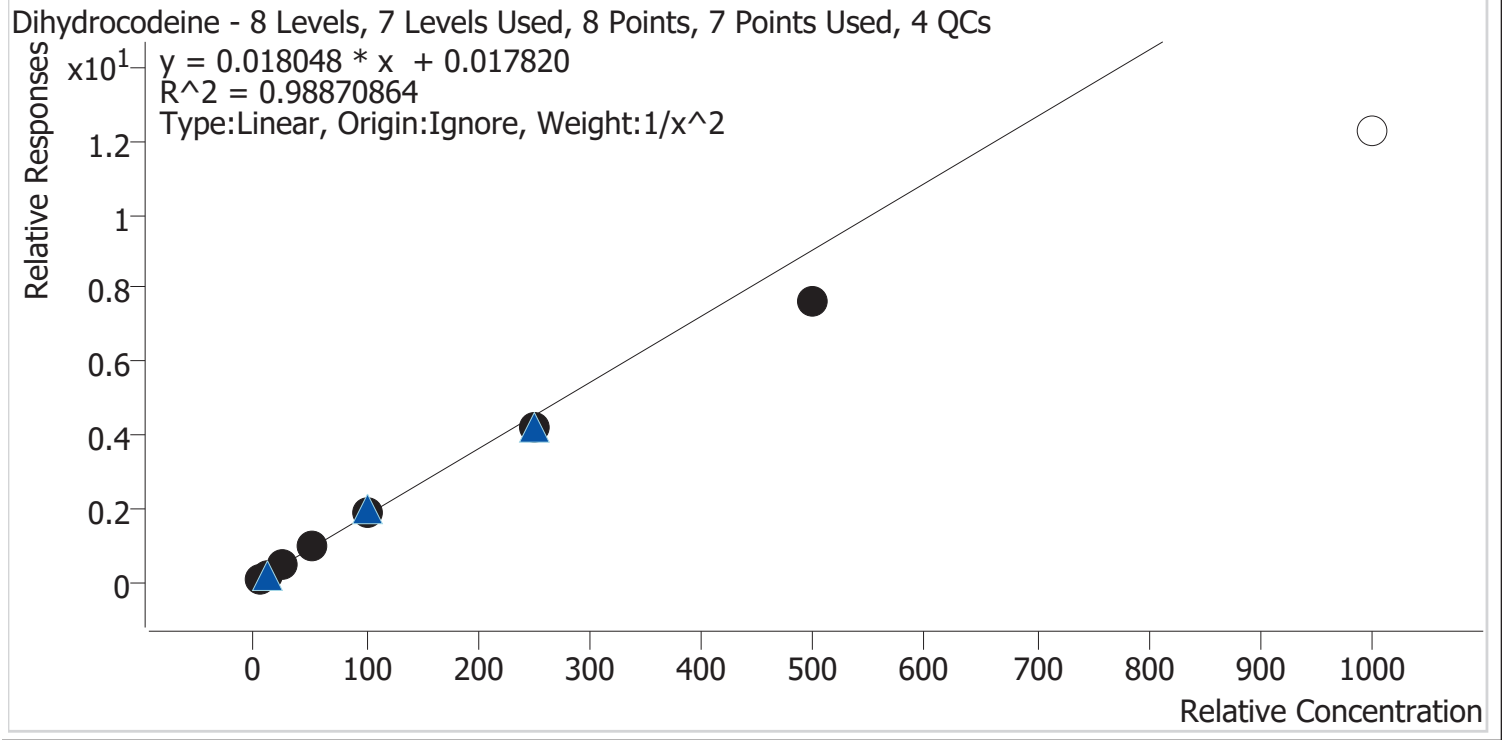


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	500.3	100.1
p1 Cal 8-1000ng	8	✓	1000.0	982.4	98.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
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	96.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng	4	✓	50.0	55.5	110.9
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	234.9	94.0
p1 Cal 7-500ng	7	✓	500.0	421.7	84.3
p1 Cal 8-1000ng	8	×	1000.0	676.8	67.7

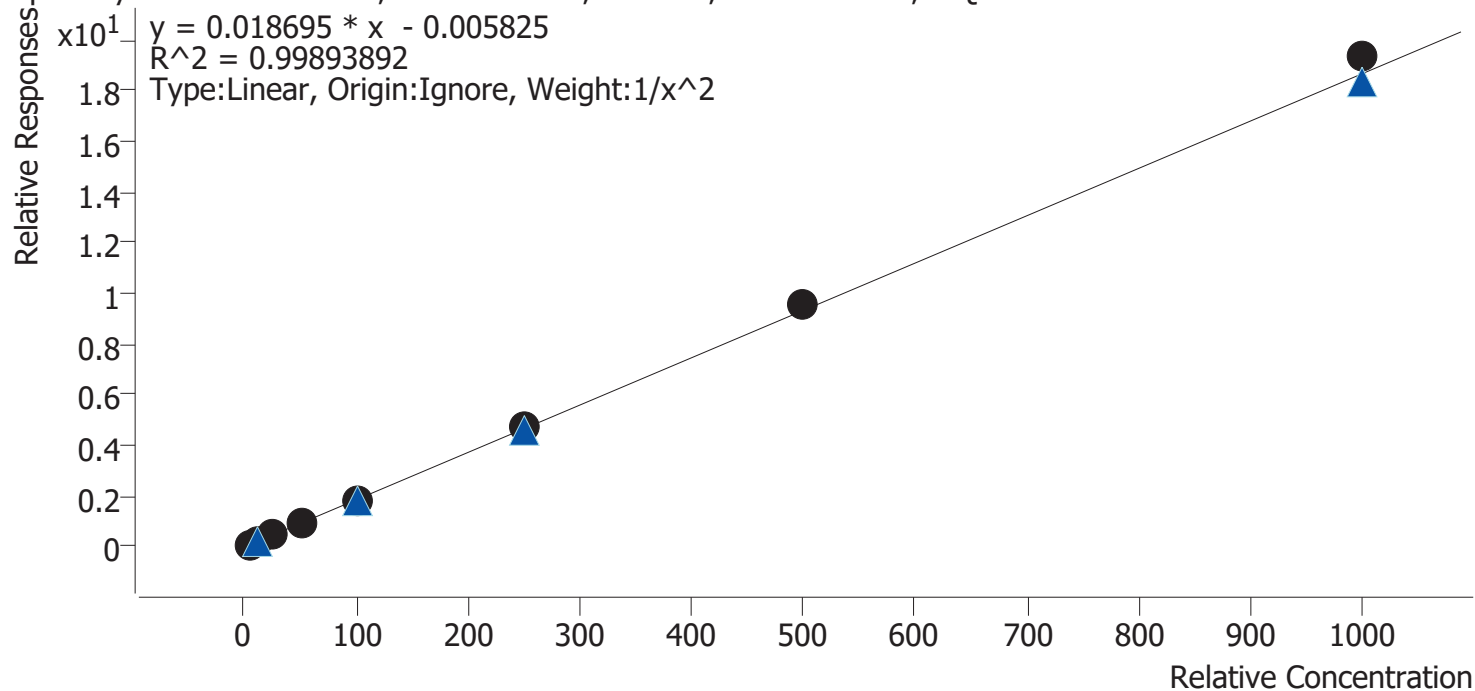
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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

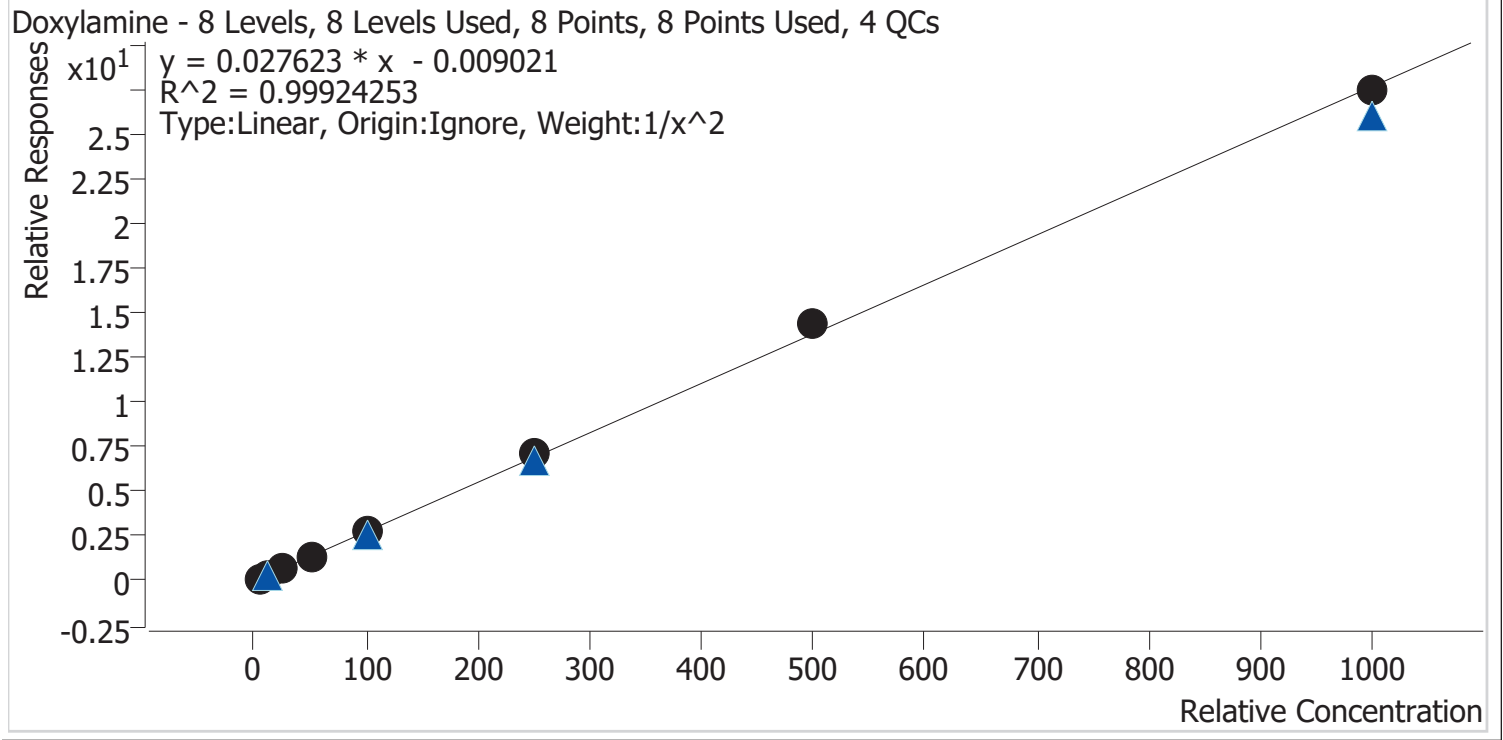


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	512.8	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1036.2	103.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



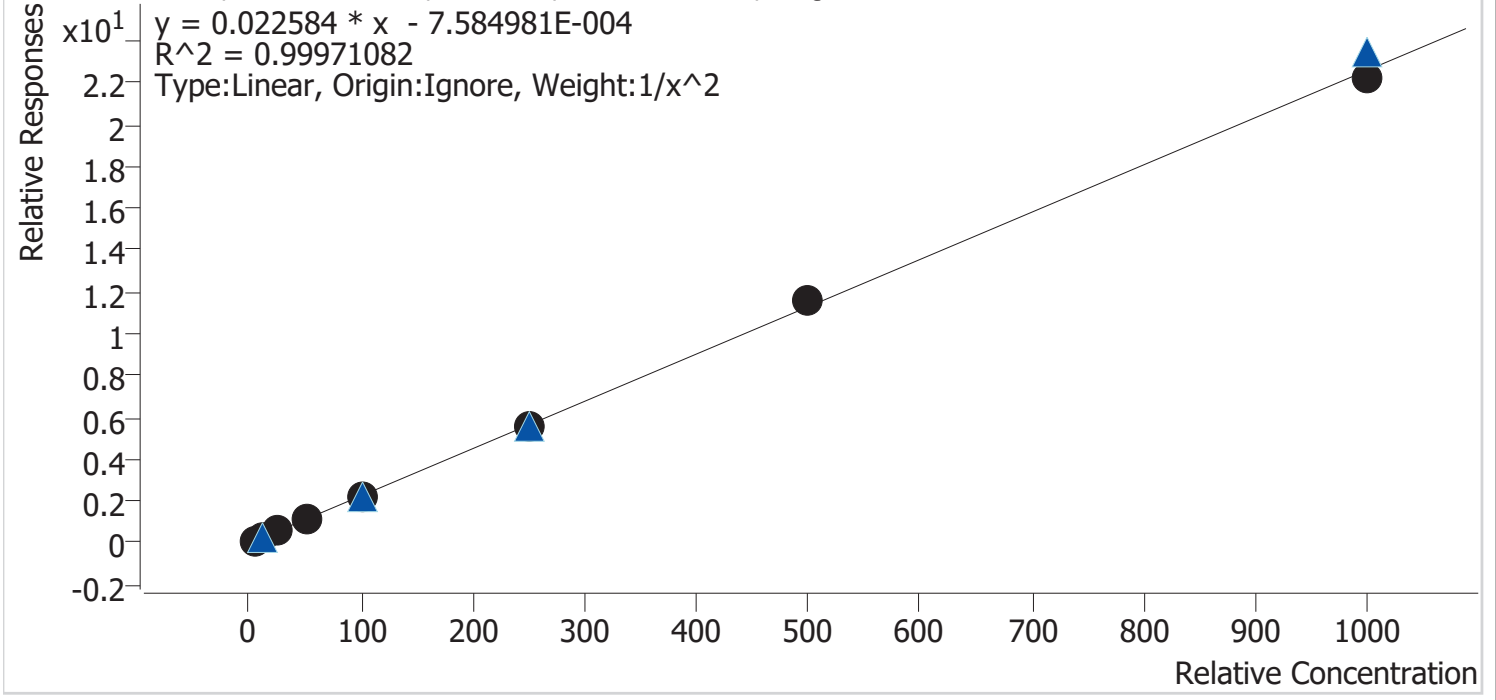
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	255.4	102.1
p1 Cal 7-500ng	7	✓	500.0	521.1	104.2
p1 Cal 8-1000ng	8	✓	1000.0	992.0	99.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte EDDP **Internal Standard** EDDP-D3

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

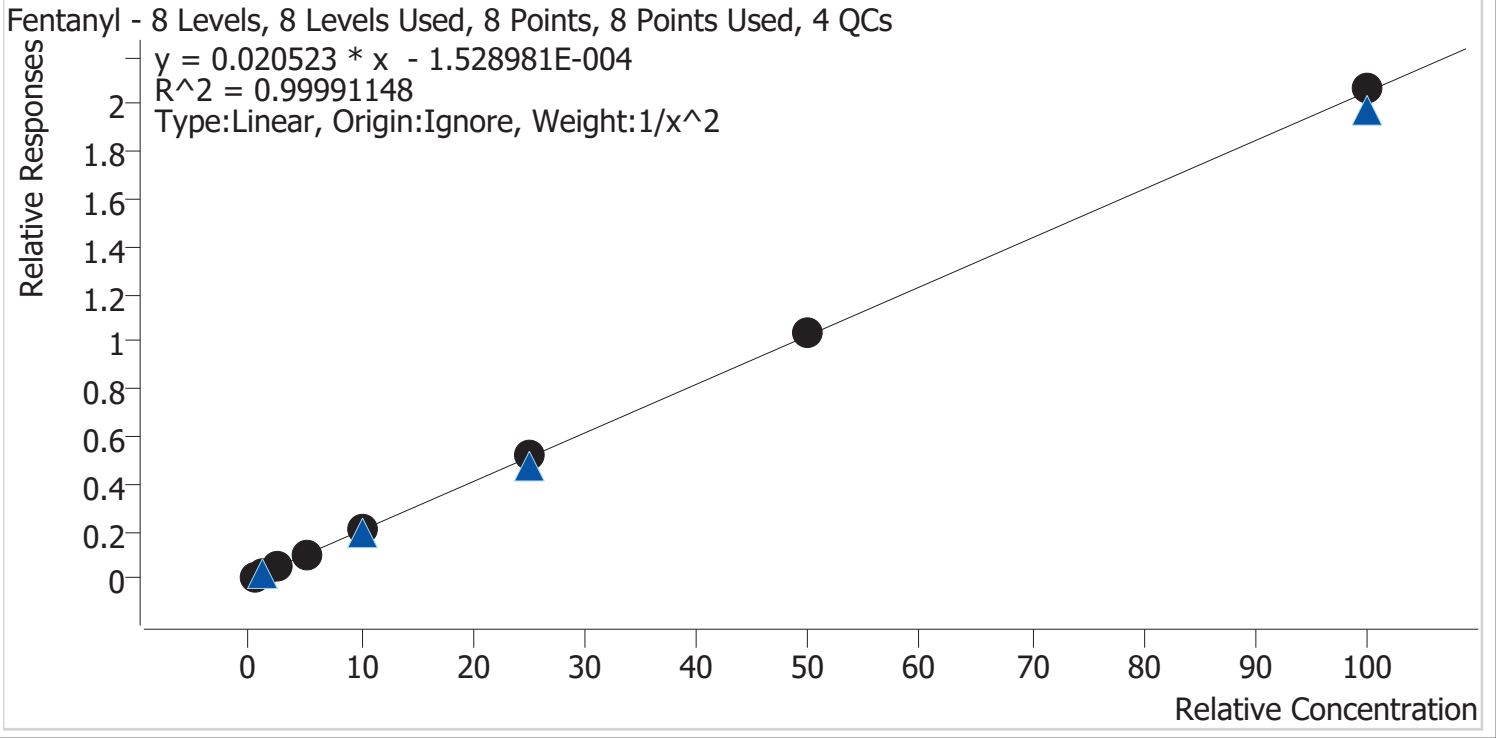


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	247.6	99.1
p1 Cal 7-500ng	7	✓	500.0	510.2	102.0
p1 Cal 8-1000ng	8	✓	1000.0	981.8	98.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5



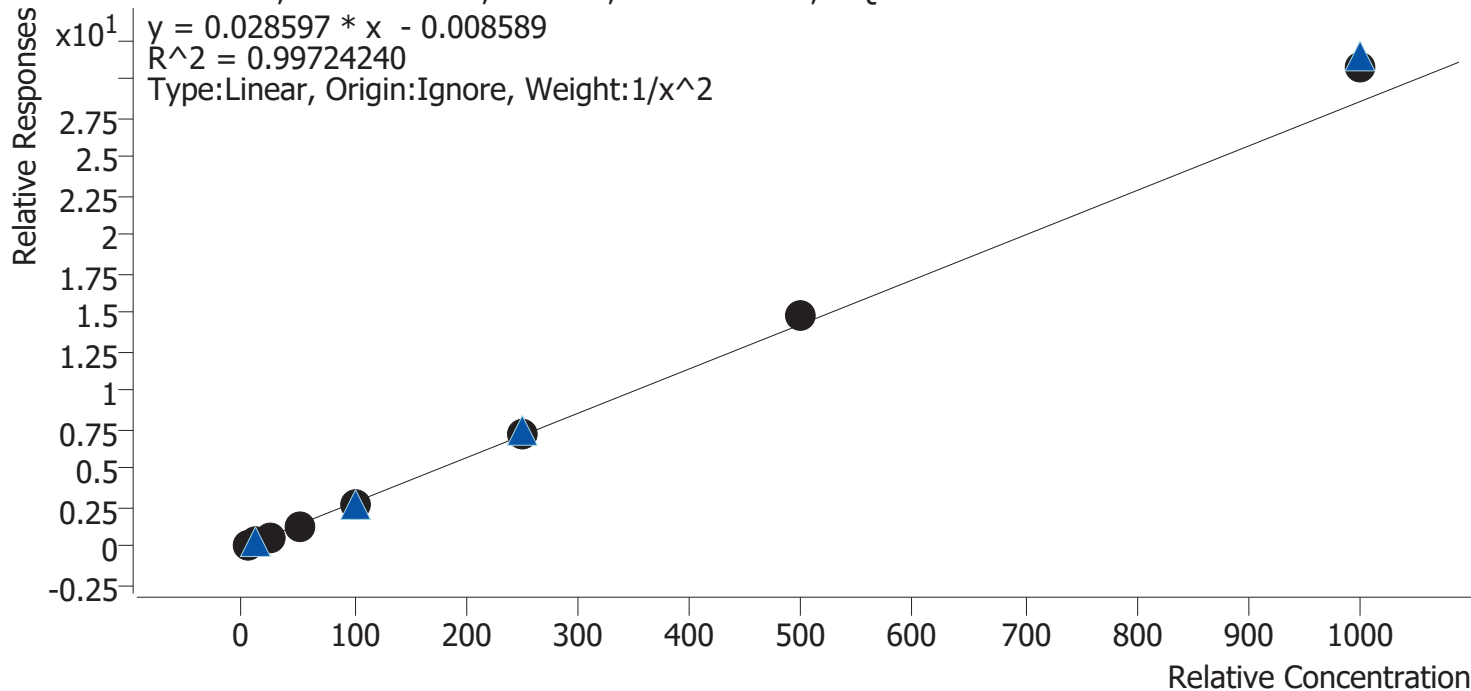
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.4
p1 Cal 2-10ng	2	✓	1.0	1.0	99.8
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.6
p1 Cal 4-50ng	4	✓	5.0	5.0	99.9
p1 Cal 5-100ng	5	✓	10.0	9.9	99.1
p1 Cal 6-250ng	6	✓	25.0	25.2	100.9
p1 Cal 7-500ng	7	✓	50.0	50.3	100.6
p1 Cal 8-1000ng	8	✓	100.0	100.7	100.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

Fluoxetine - 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	102.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	47.4	94.8
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	522.9	104.6
p1 Cal 8-1000ng	8	✓	1000.0	1073.6	107.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin

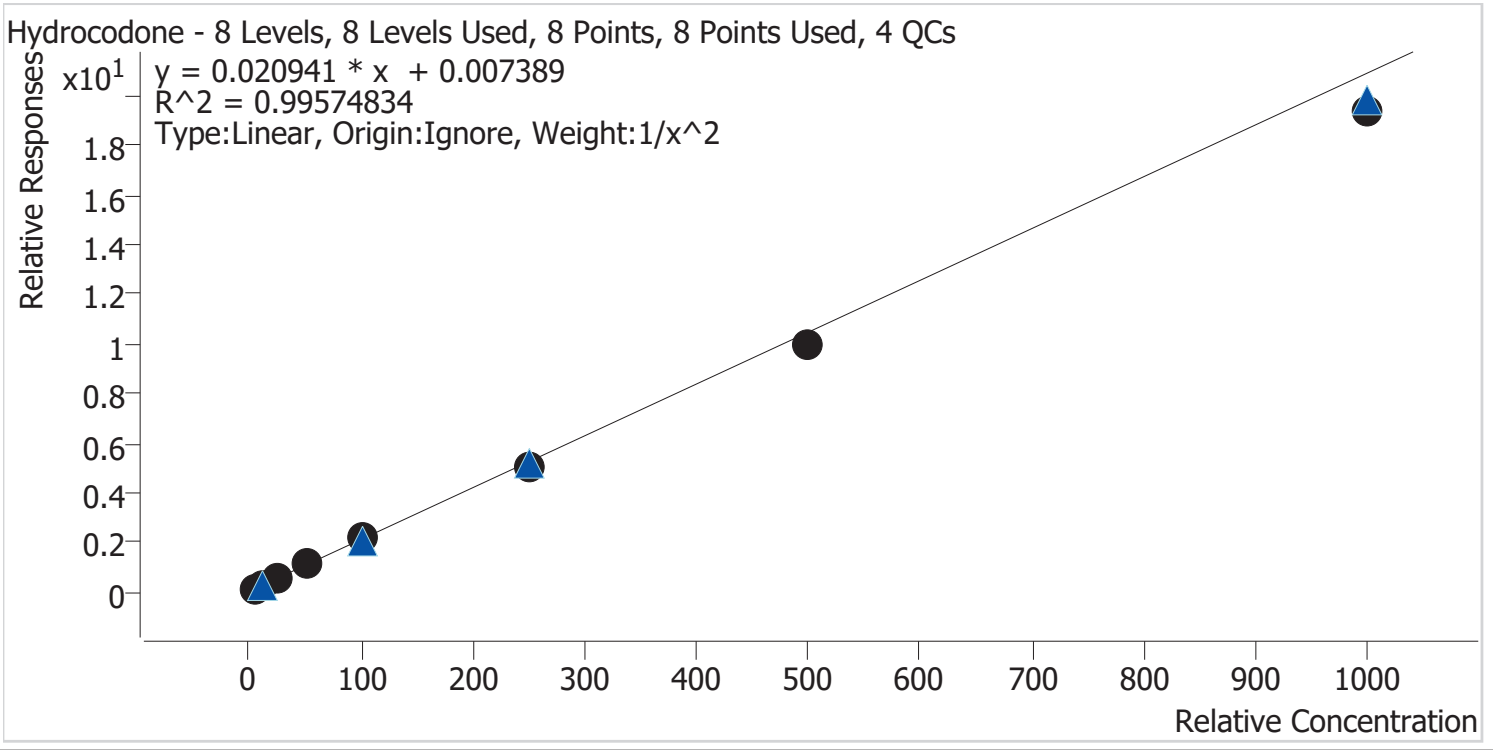
8/20/2024 1:58 PM

ISP\Datastor

Hydrocodone

Internal Standard

Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.9
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	242.4	97.0
p1 Cal 7-500ng	7	✓	500.0	474.2	94.8
p1 Cal 8-1000ng	8	✓	1000.0	924.4	92.4

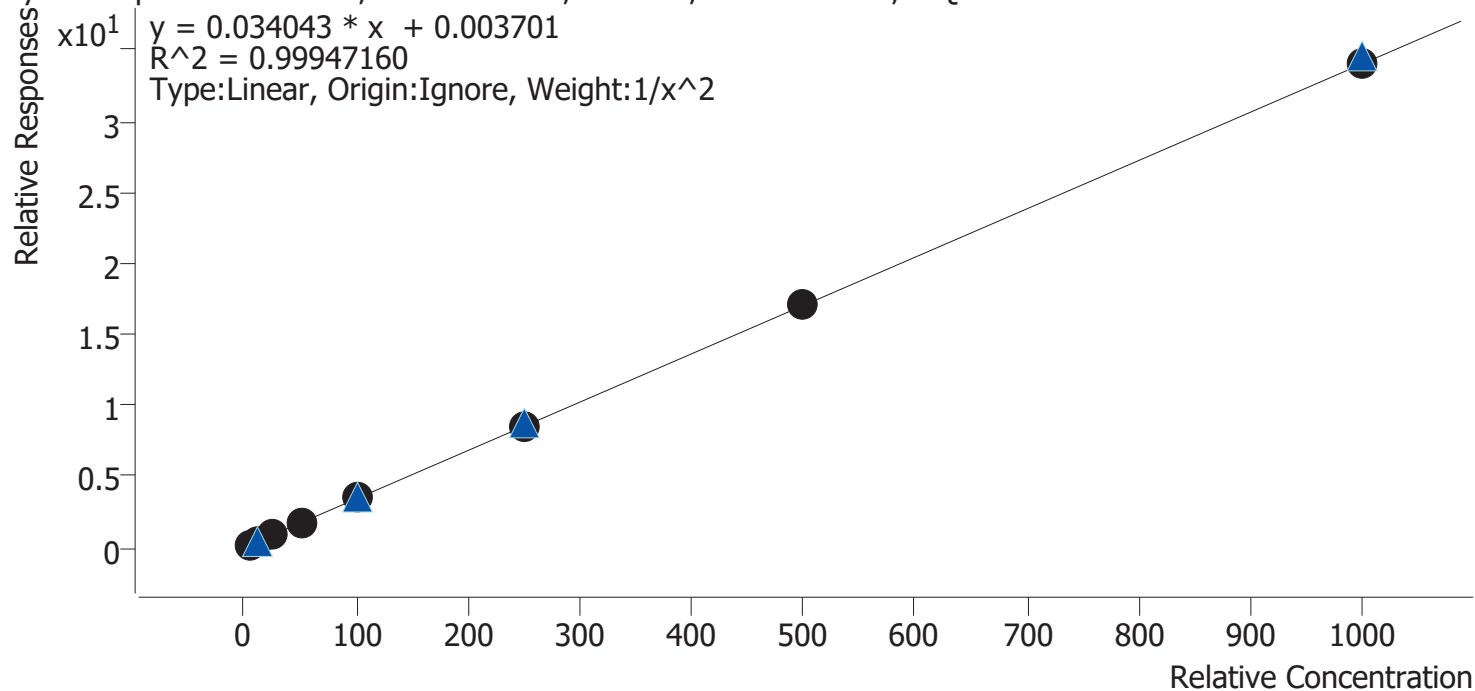
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



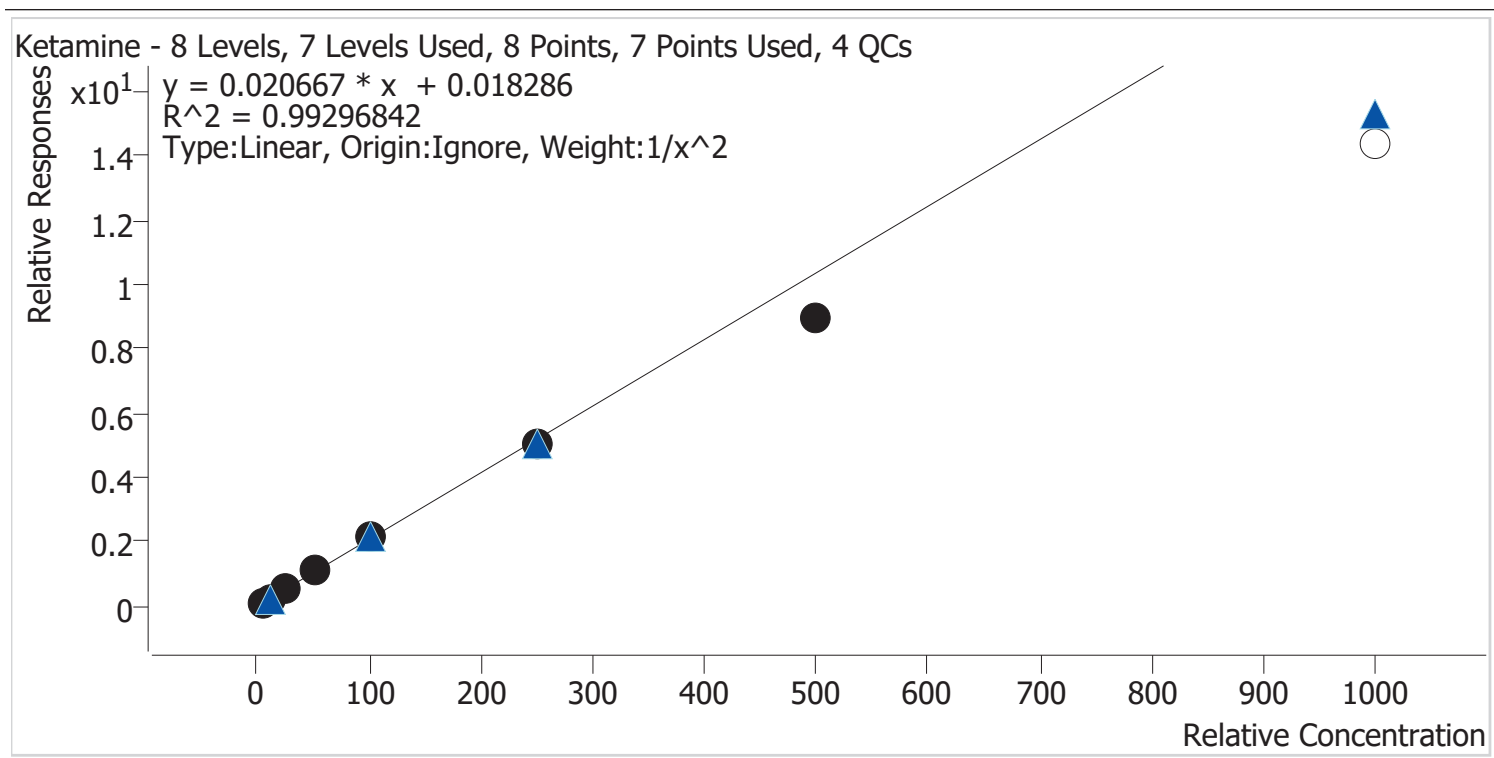
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	252.6	101.1
p1 Cal 7-500ng	7	✓	500.0	499.7	99.9
p1 Cal 8-1000ng	8	✓	1000.0	997.6	99.8

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

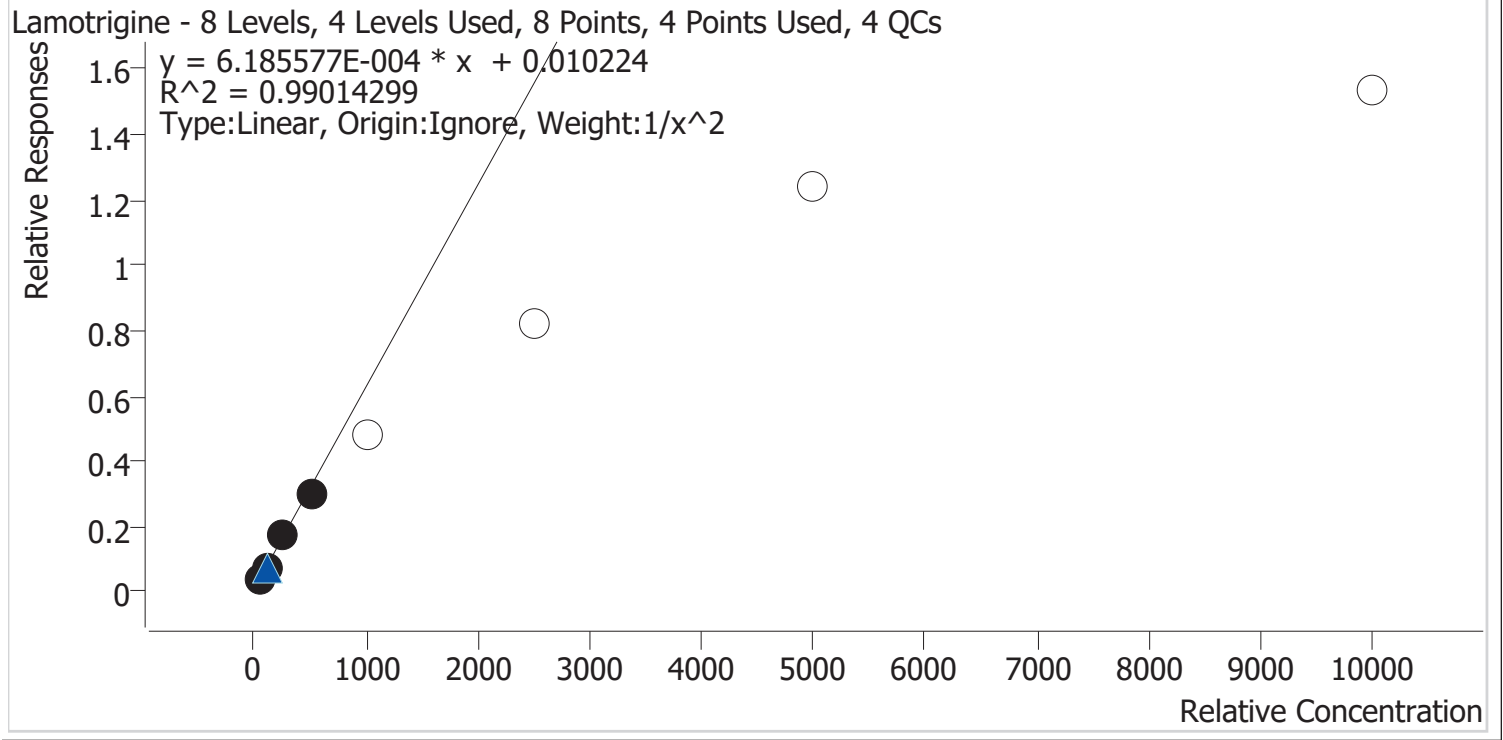


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.6
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	241.2	96.5
p1 Cal 7-500ng	7	✓	500.0	435.1	87.0
p1 Cal 8-1000ng	8	×	1000.0	692.4	69.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Lamotrigine **Internal Standard** Pseudoephedrine-D3

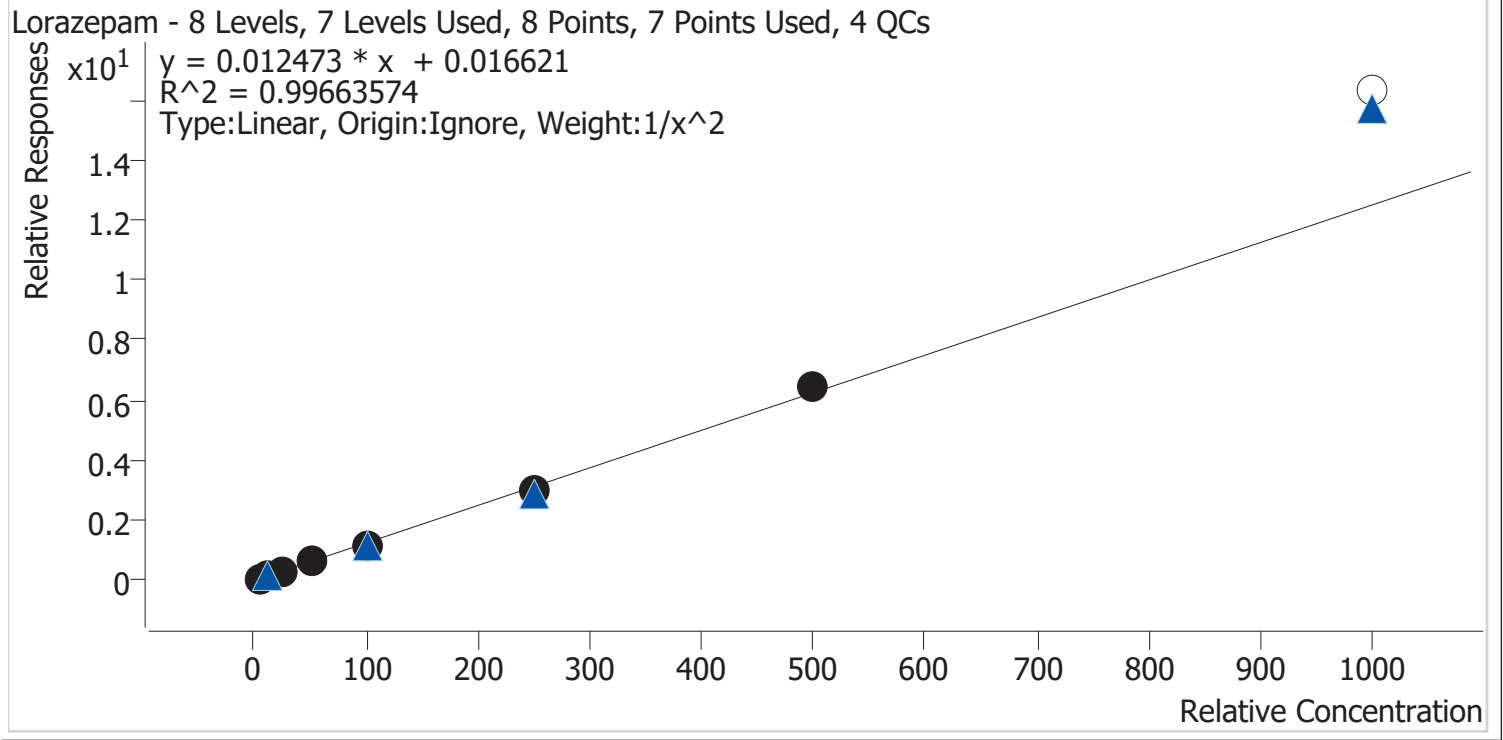


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	50.0	48.3	96.6
p1 Cal 2-10ng	2	✓	100.0	106.3	106.3
p1 Cal 3 -25ng	3	✓	250.0	263.7	105.5
p1 Cal 4-50ng	4	✓	500.0	458.3	91.7
p1 Cal 5-100ng	5	×	1000.0	764.2	76.4
p1 Cal 6-250ng	6	×	2500.0	1305.5	52.2
p1 Cal 7-500ng	7	×	5000.0	1993.4	39.9
p1 Cal 8-1000ng	8	×	10000.0	2464.9	24.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.7	106.7
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	235.8	94.3
p1 Cal 7-500ng	7	✓	500.0	521.1	104.2
p1 Cal 8-1000ng	8	×	1000.0	1304.5	130.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results

Last Cal. Update

Analyst Name

Analyte

D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin

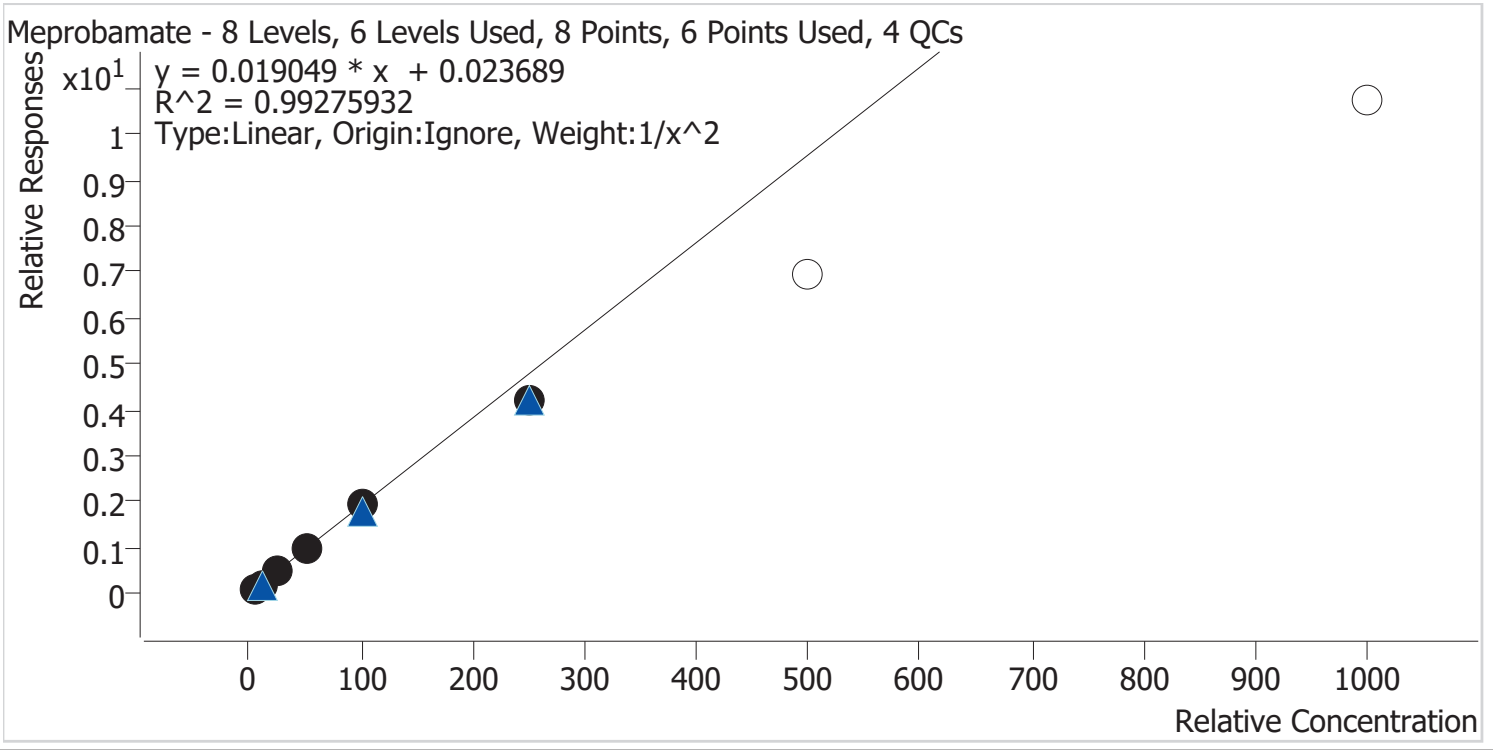
8/20/2024 1:58 PM

ISP\Datastor

Meprobamate

Internal Standard

Meprobamate-D7

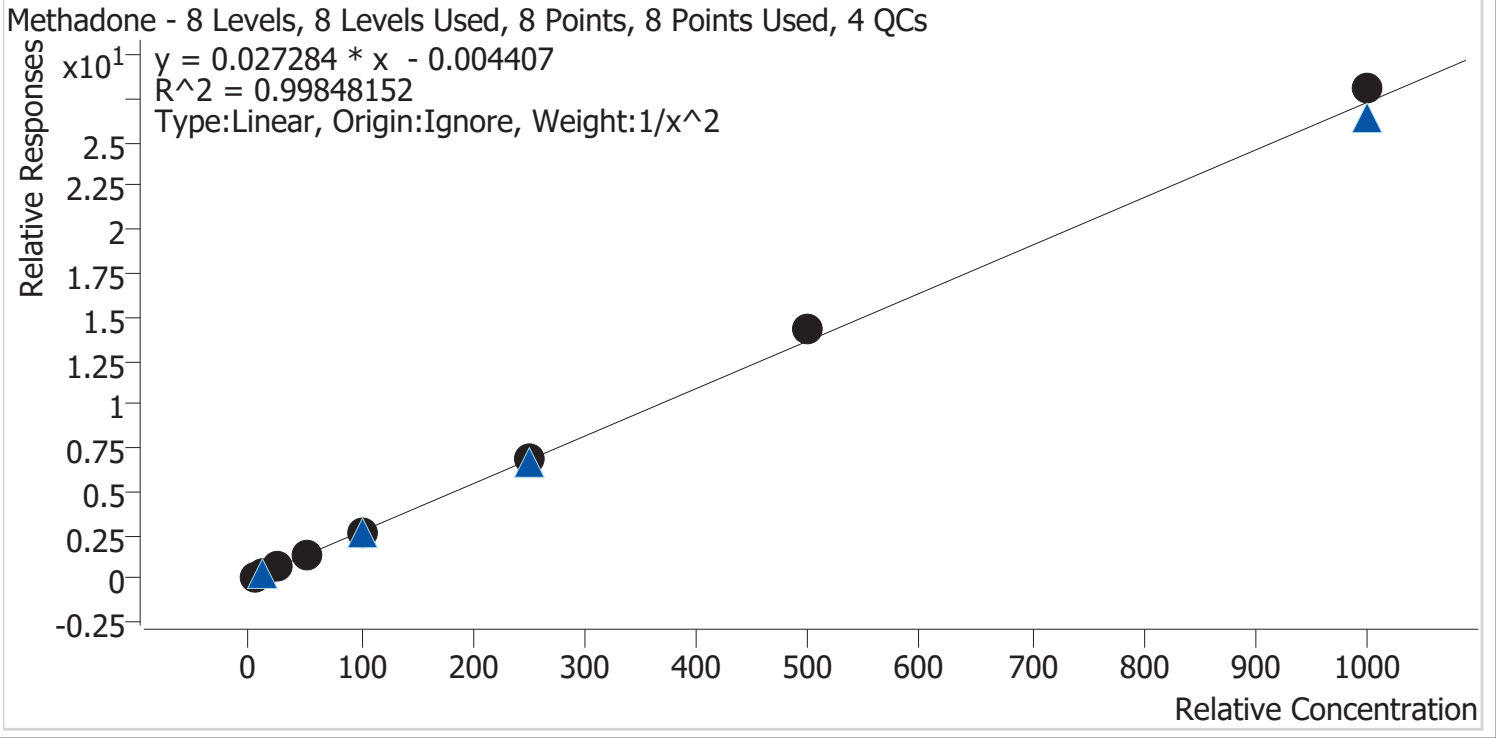


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.4
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	219.8	87.9
p1 Cal 7-500ng	7	×	500.0	363.8	72.8
p1 Cal 8-1000ng	8	×	1000.0	561.8	56.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9



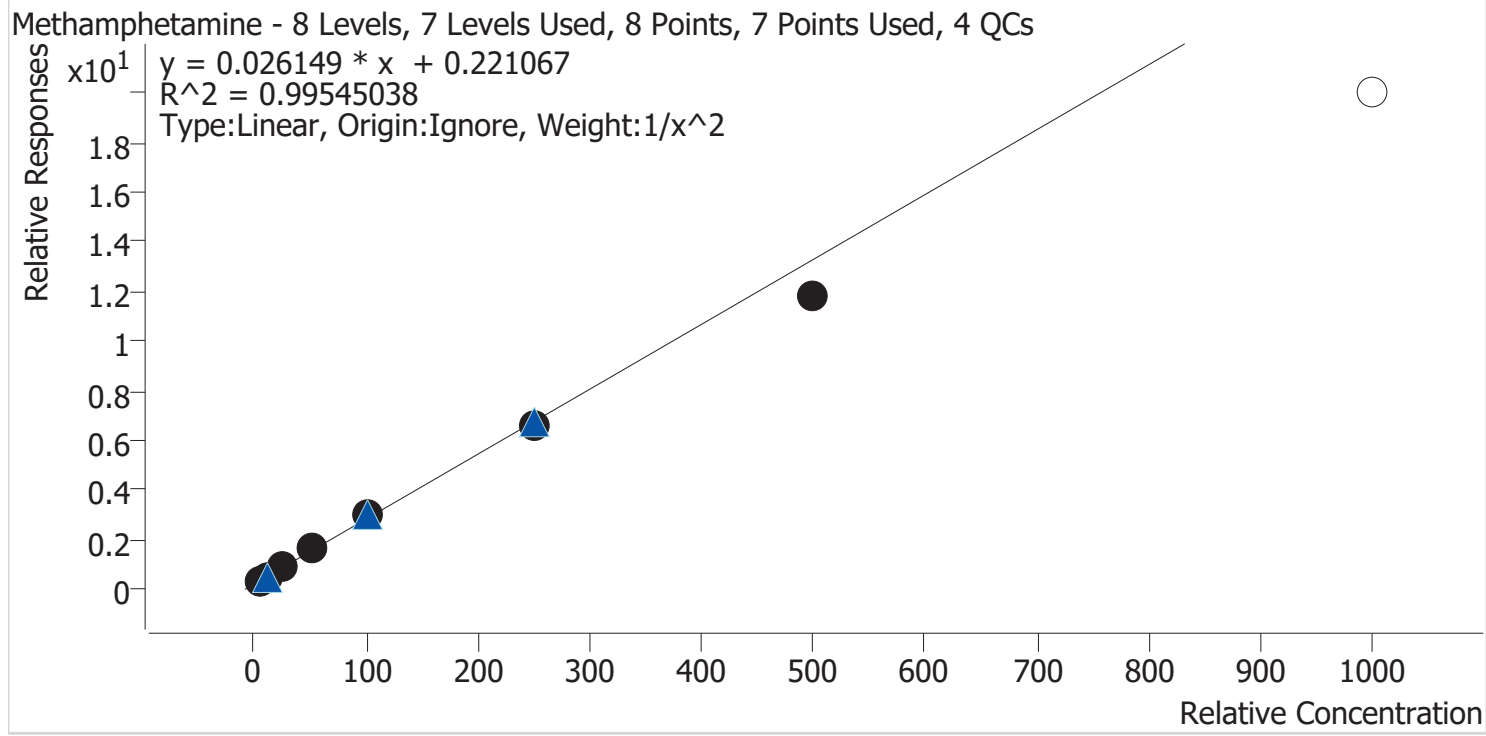
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.6
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	521.3	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1028.9	102.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

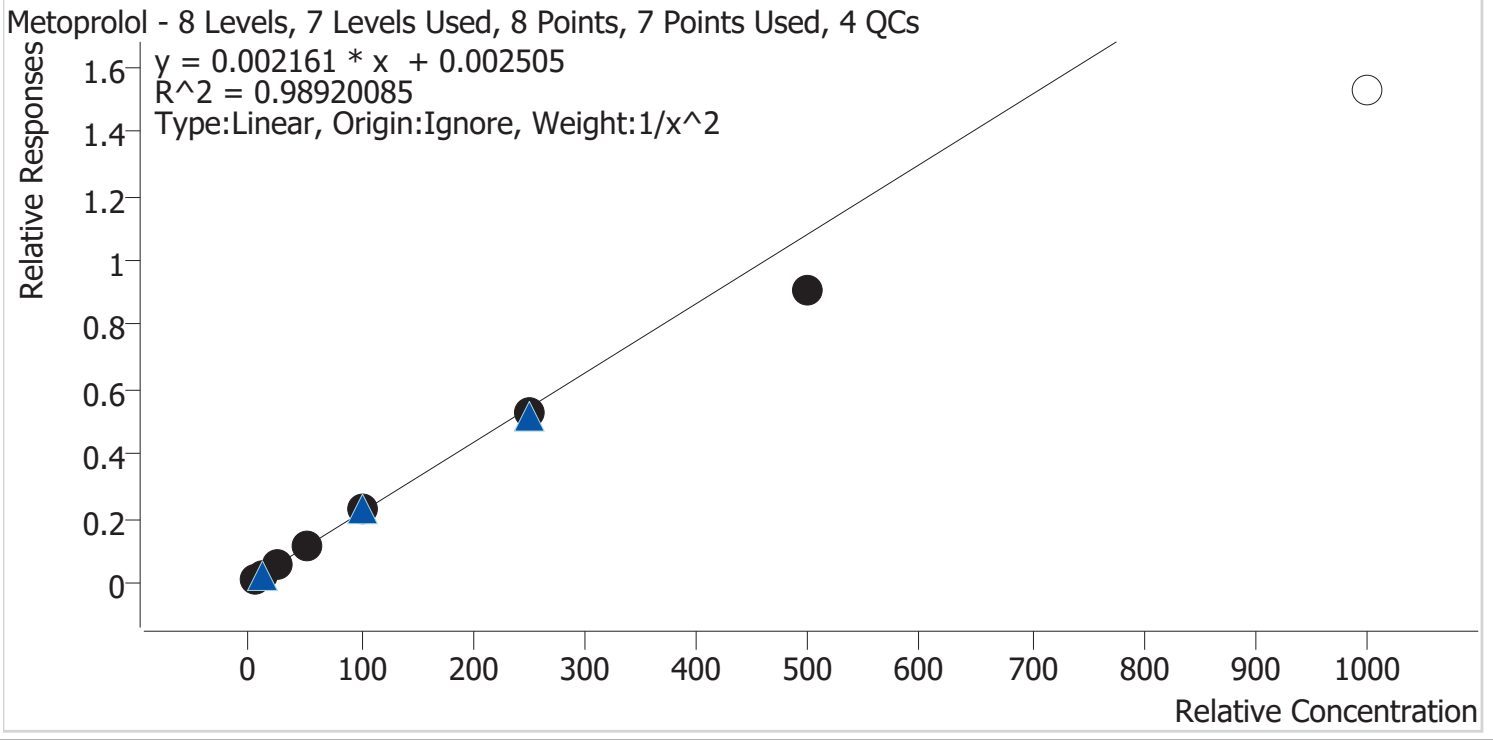
Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	446.6	89.3
p1 Cal 8-1000ng	8	×	1000.0	757.1	75.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin		
Last Cal. Update	8/20/2024 1:58 PM		
Analyst Name	ISP\Datastor		
Analyte	Metoprolol	Internal Standard	Tramadol-13C-D3

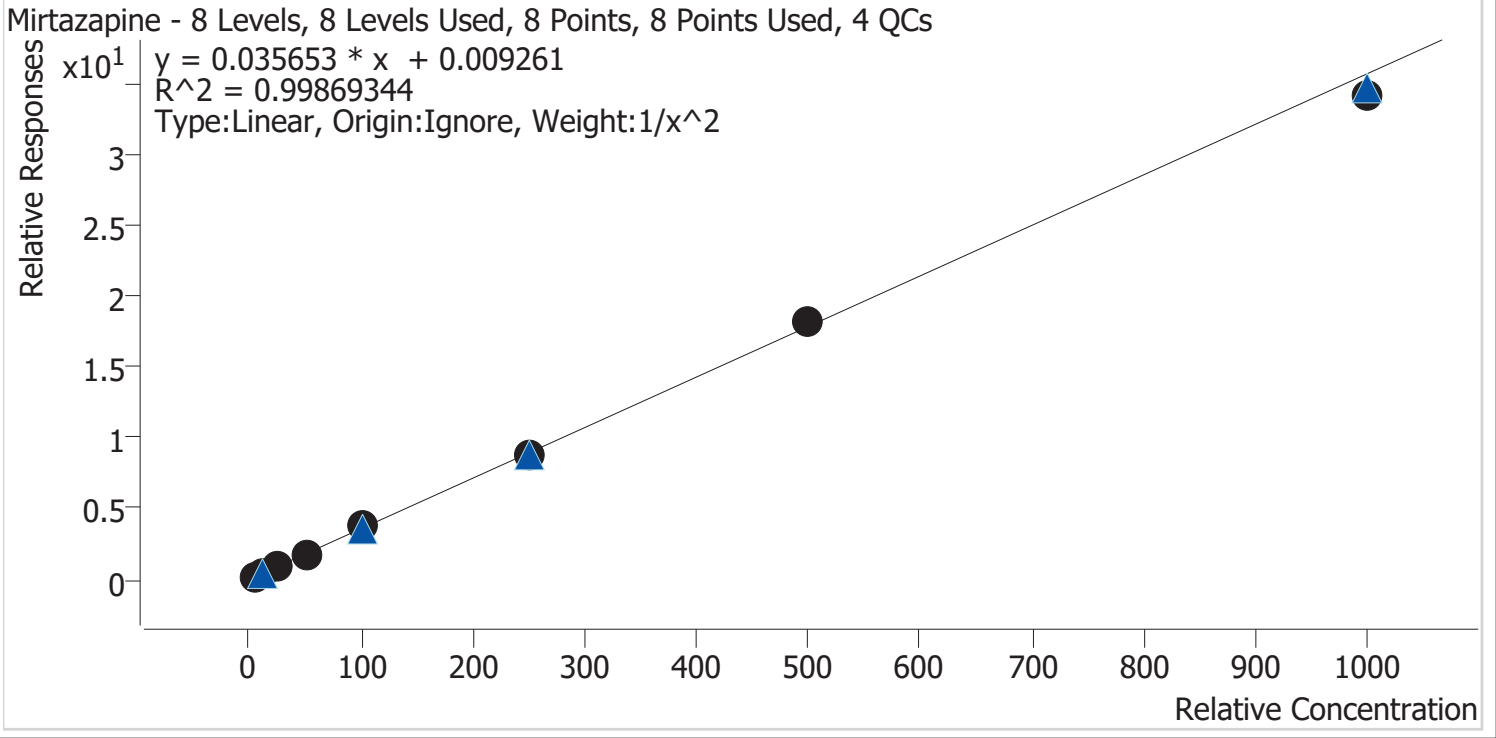


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.0
p1 Cal 2-10ng	2	✓	10.0	10.7	107.4
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.2
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	242.1	96.8
p1 Cal 7-500ng	7	✓	500.0	421.4	84.3
p1 Cal 8-1000ng	8	×	1000.0	705.7	70.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
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	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	51.2	102.5
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	242.7	97.1
p1 Cal 7-500ng	7	✓	500.0	508.1	101.6
p1 Cal 8-1000ng	8	✓	1000.0	954.1	95.4

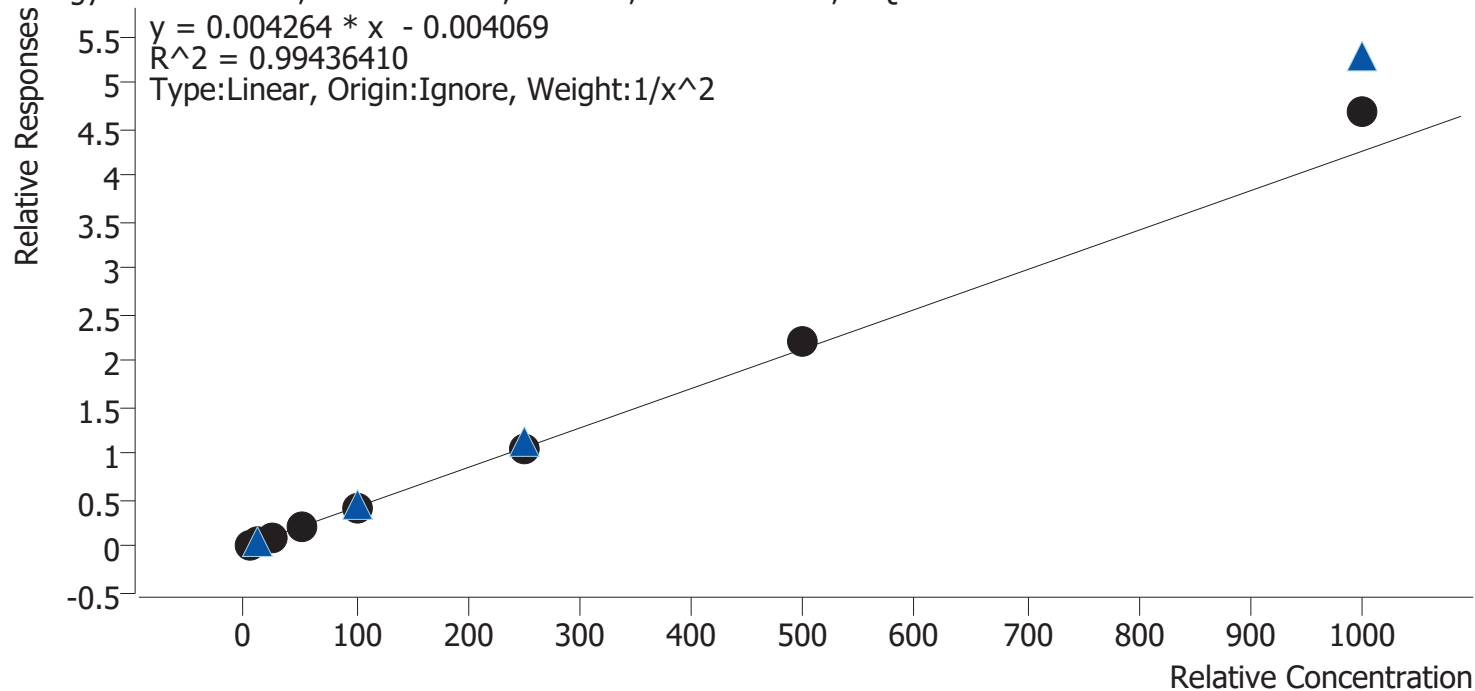
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.8	108.4
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	47.3	94.6
p1 Cal 5-100ng	5	✓	100.0	92.6	92.6
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	515.3	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1096.2	109.6

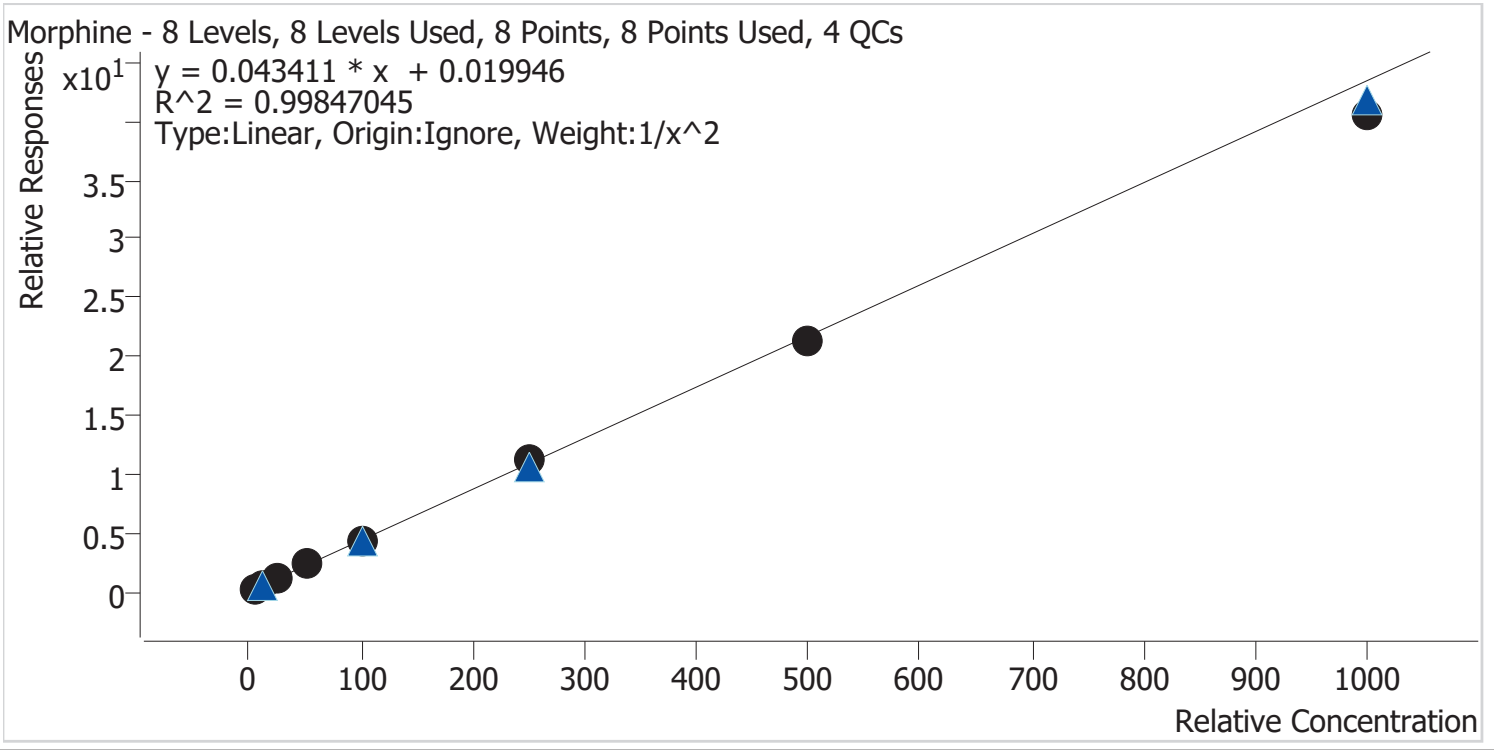
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch resultsD:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin

Last Cal. Update8/20/2024 1:58 PM

Analyst NameISP\Datastor

AnalyteMorphineInternal StandardMorphine-D6

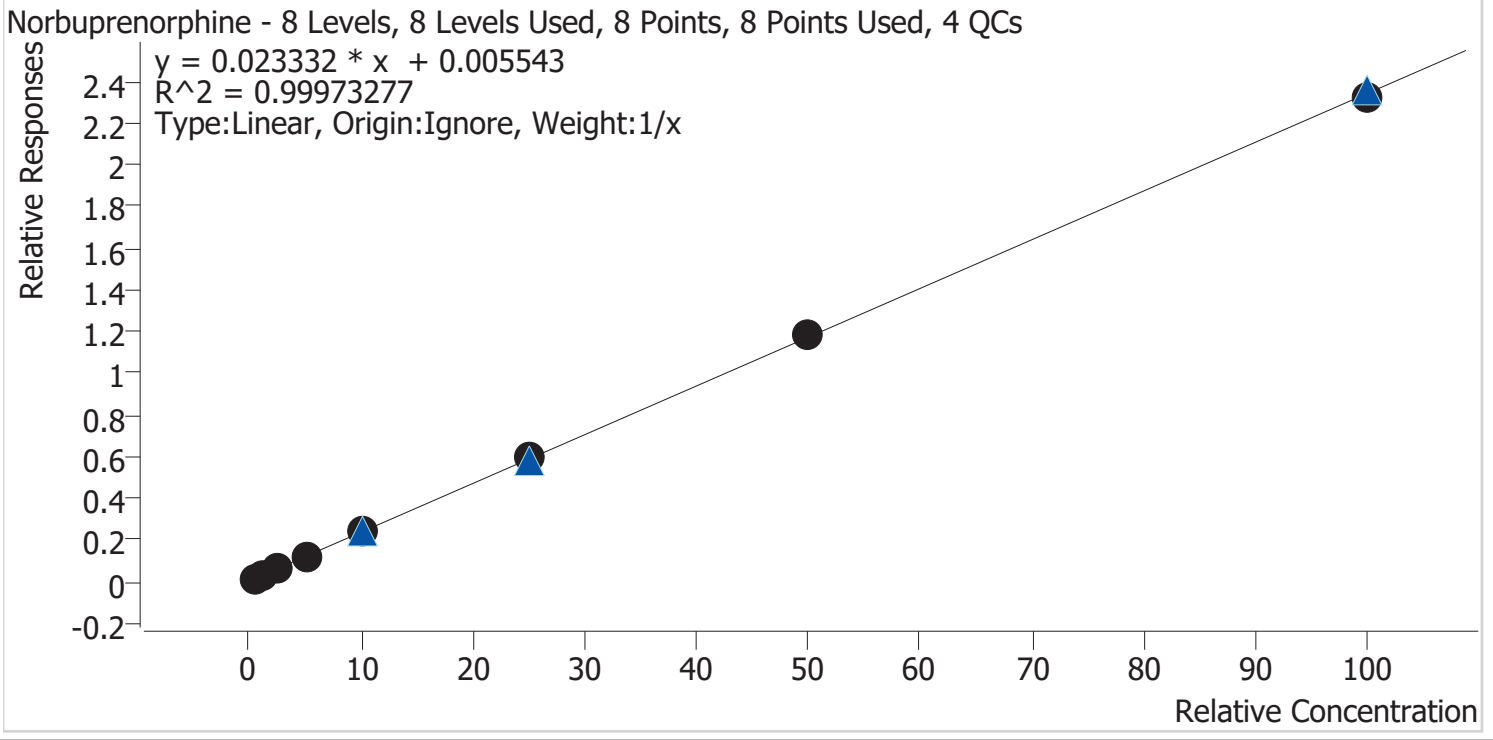


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	491.3	98.3
p1 Cal 8-1000ng	8	✓	1000.0	933.5	93.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin		
Last Cal. Update	8/20/2024 1:58 PM		
Analyst Name	ISP\Datastor		
Analyte	Norbuprenorphine	Internal Standard	Norbuprenorphine-D3

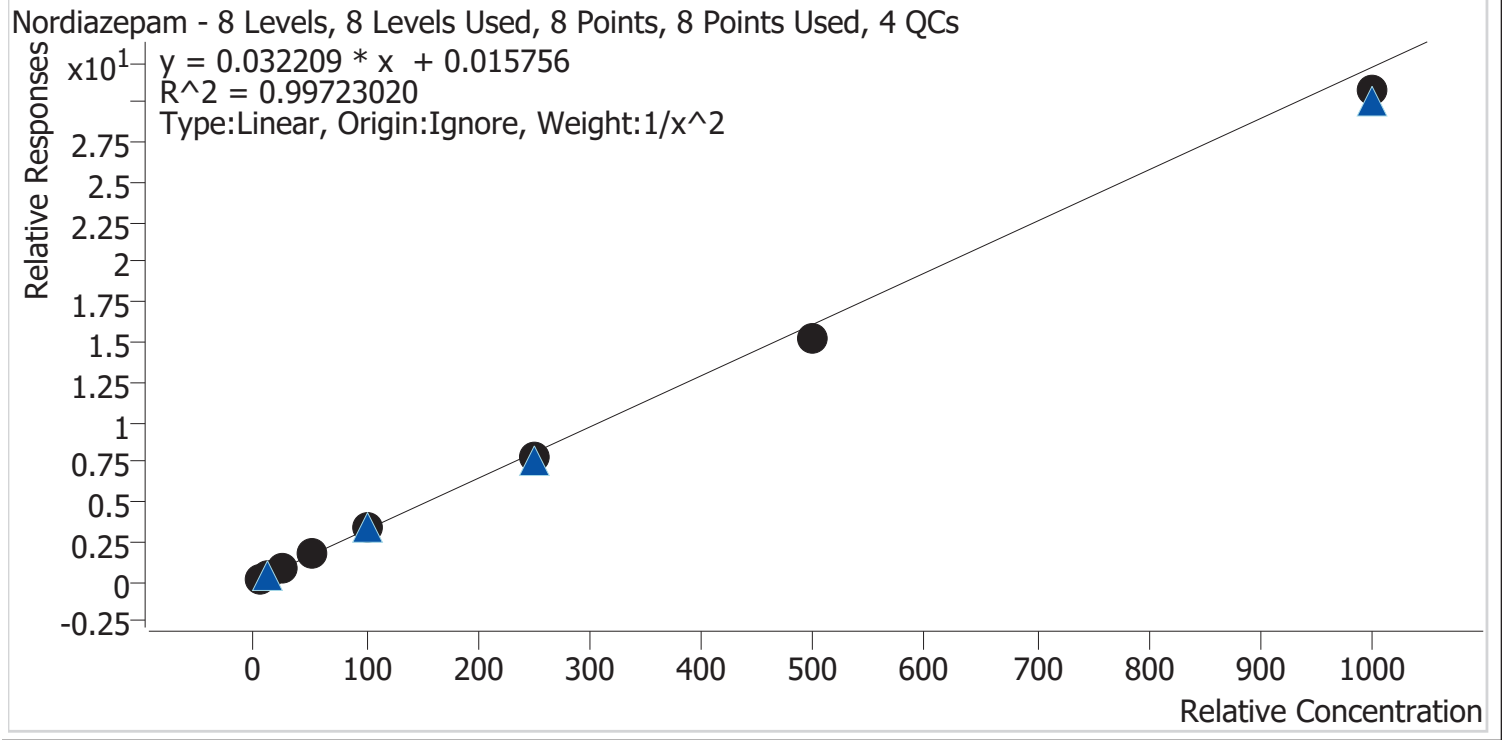


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.4	89.0
p1 Cal 2-10ng	2	✓	1.0	1.1	108.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.9
p1 Cal 4-50ng	4	✓	5.0	5.2	103.9
p1 Cal 5-100ng	5	✓	10.0	10.1	101.0
p1 Cal 6-250ng	6	✓	25.0	25.5	102.0
p1 Cal 7-500ng	7	✓	50.0	50.3	100.5
p1 Cal 8-1000ng	8	✓	100.0	99.0	99.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

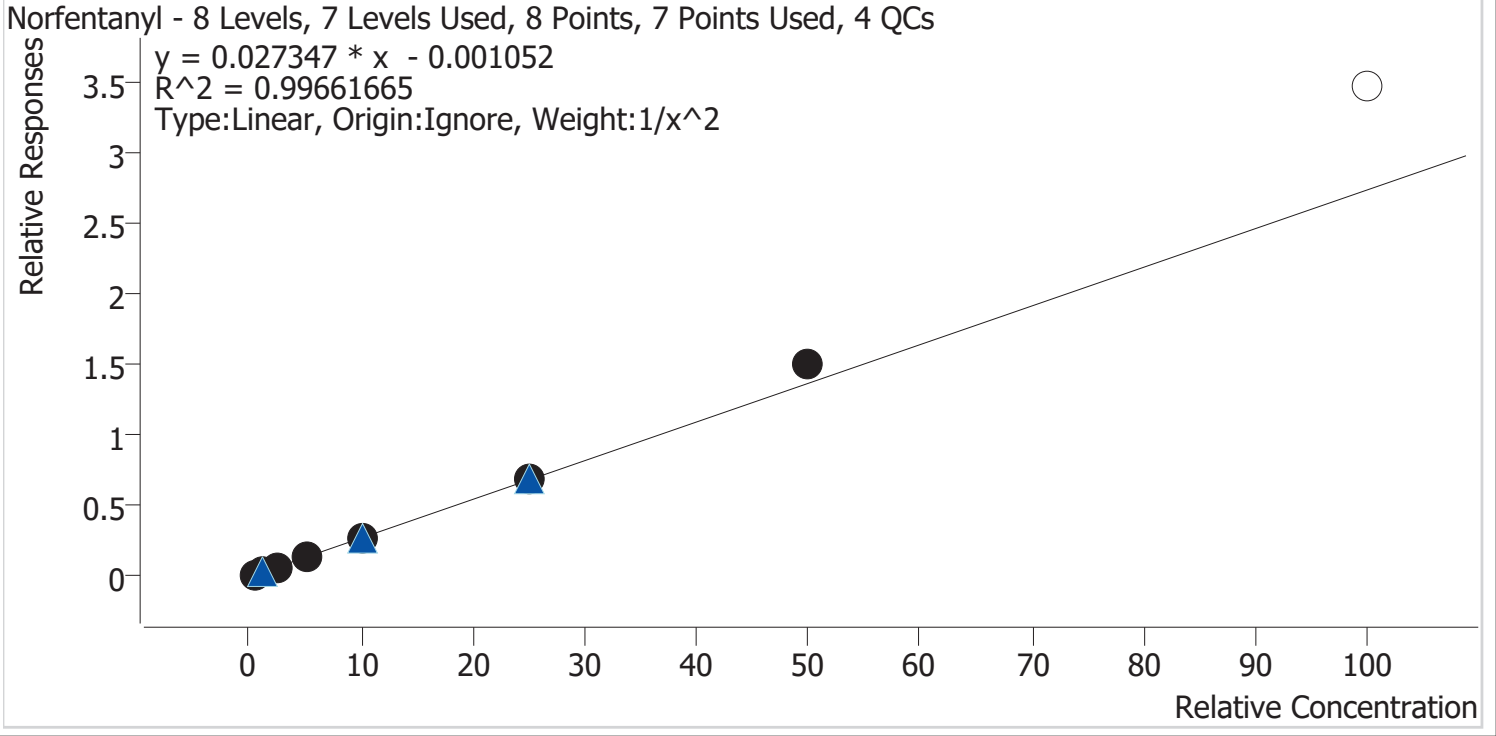


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.6
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	239.3	95.7
p1 Cal 7-500ng	7	✓	500.0	474.1	94.8
p1 Cal 8-1000ng	8	✓	1000.0	954.4	95.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

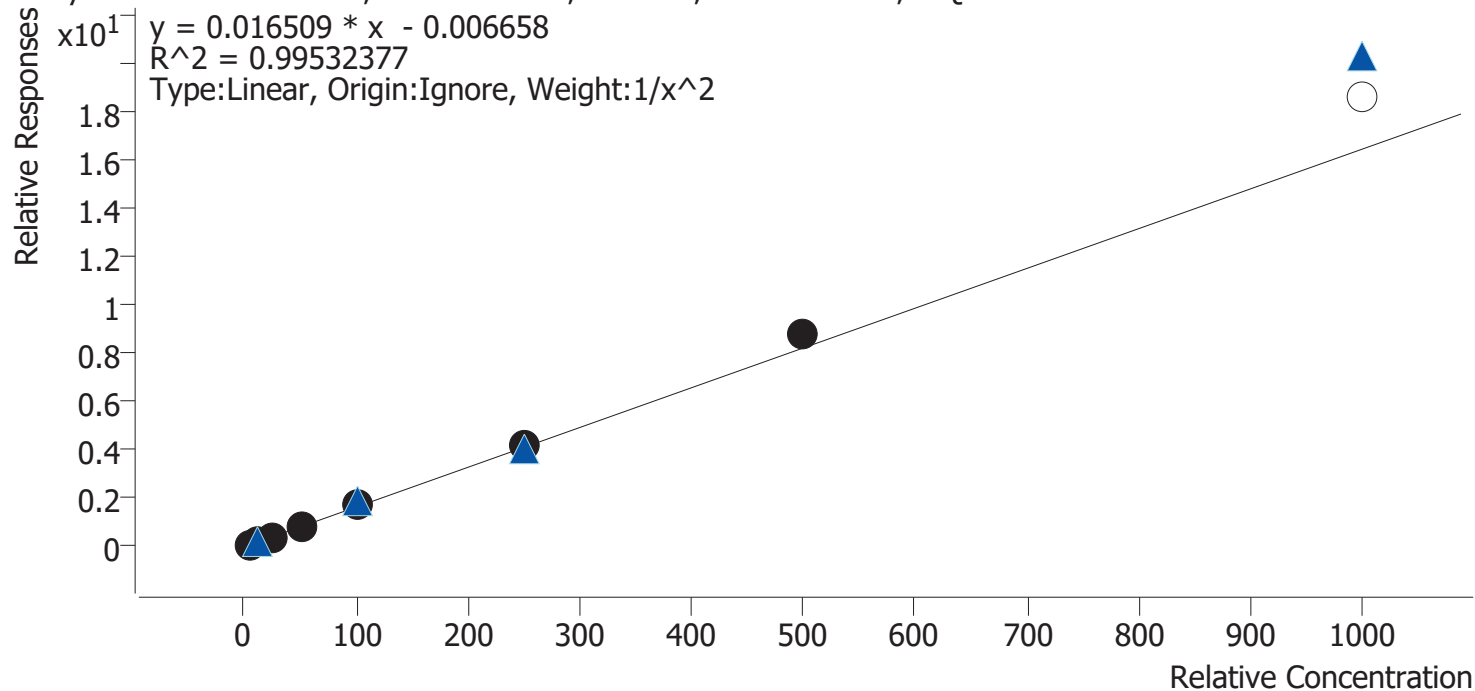


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.0
p1 Cal 2-10ng	2	✓	1.0	1.0	98.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.5
p1 Cal 4-50ng	4	✓	5.0	4.7	94.6
p1 Cal 5-100ng	5	✓	10.0	9.8	98.4
p1 Cal 6-250ng	6	✓	25.0	25.4	101.5
p1 Cal 7-500ng	7	✓	50.0	54.6	109.2
p1 Cal 8-1000ng	8	×	100.0	126.7	126.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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

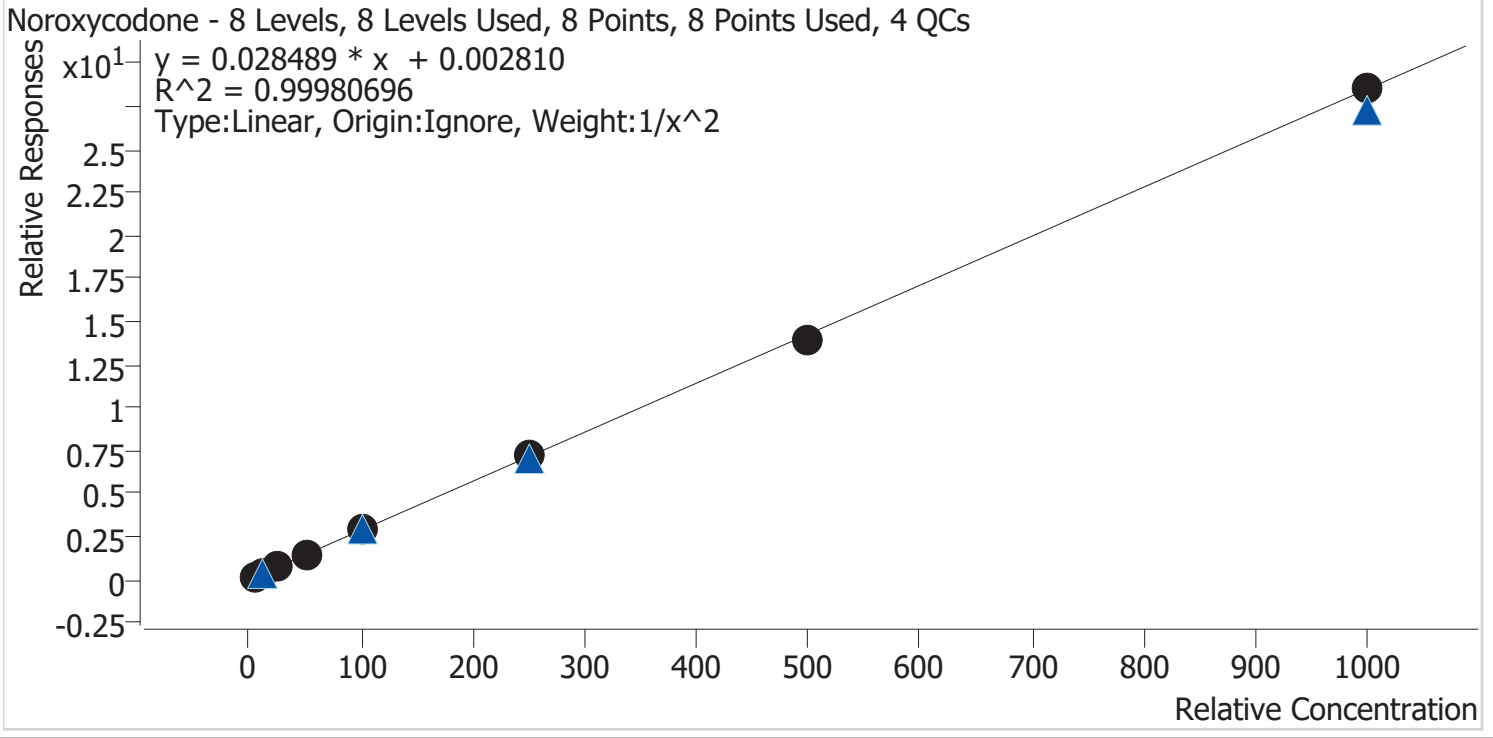


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.2
p1 Cal 2-10ng	2	✓	10.0	9.2	92.4
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.1
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	531.7	106.3
p1 Cal 8-1000ng	8	×	1000.0	1134.3	113.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin		
Last Cal. Update	8/20/2024 1:58 PM		
Analyst Name	ISP\Datastor		
Analyte	Noroxycodone	Internal Standard	Noroxycodone-D3



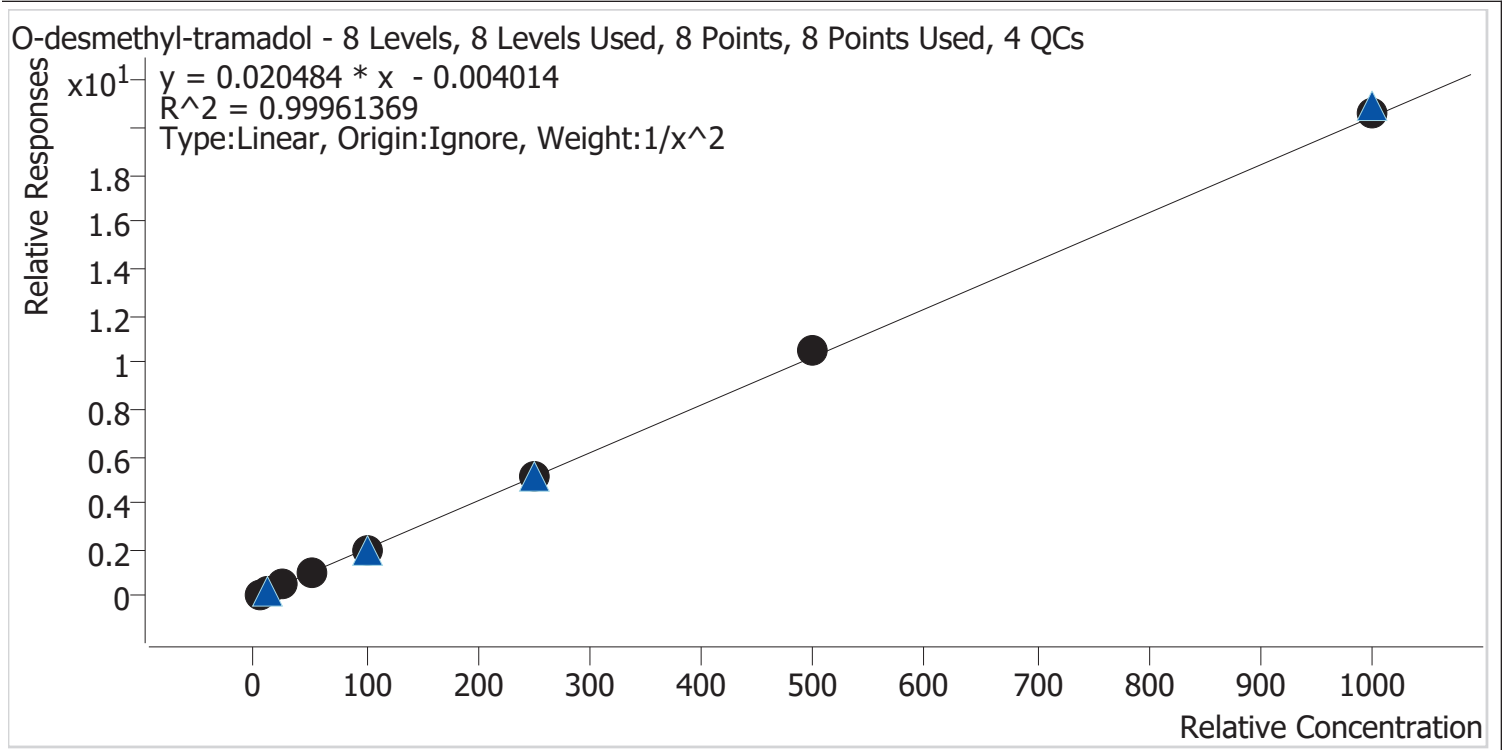
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	488.7	97.7
p1 Cal 8-1000ng	8	✓	1000.0	1001.2	100.1

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

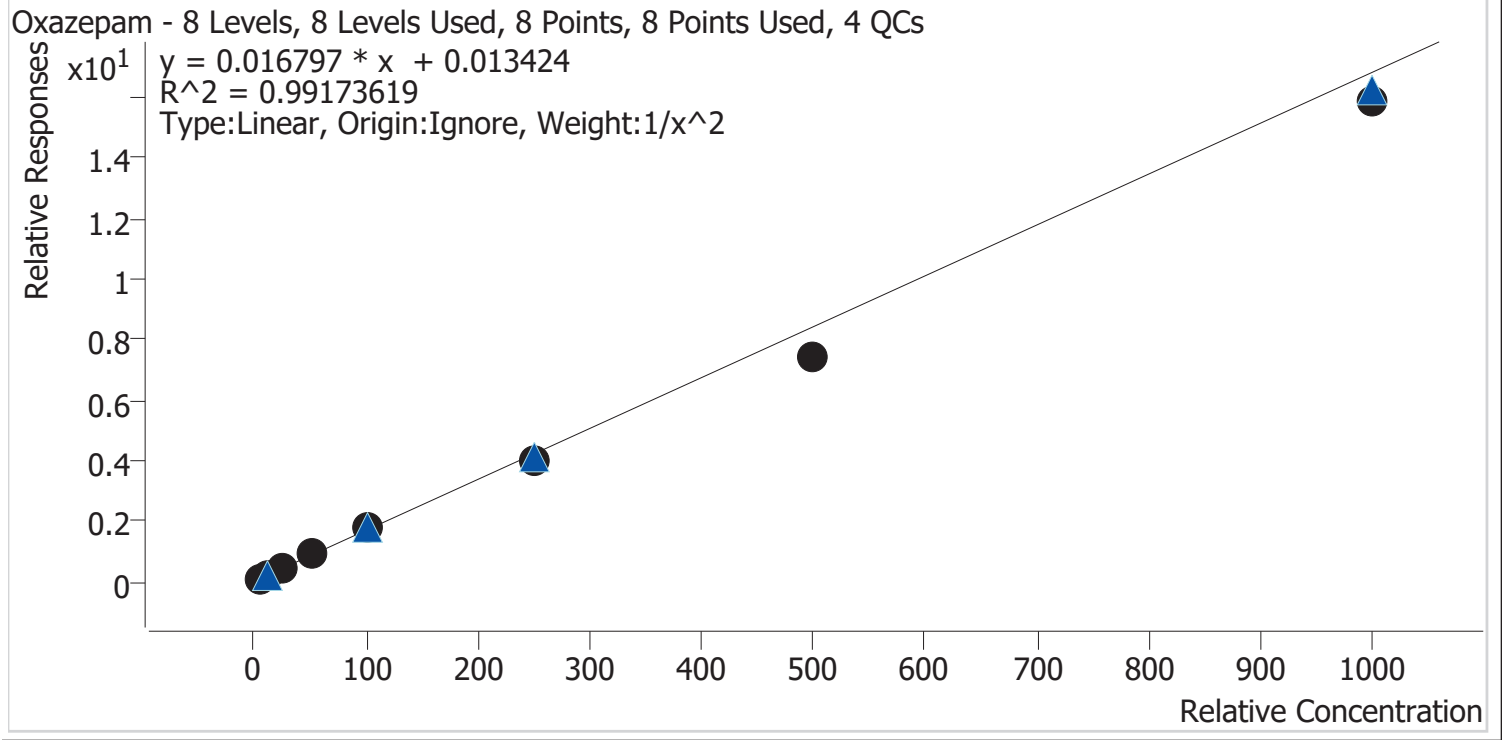


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	511.3	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1010.3	101.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

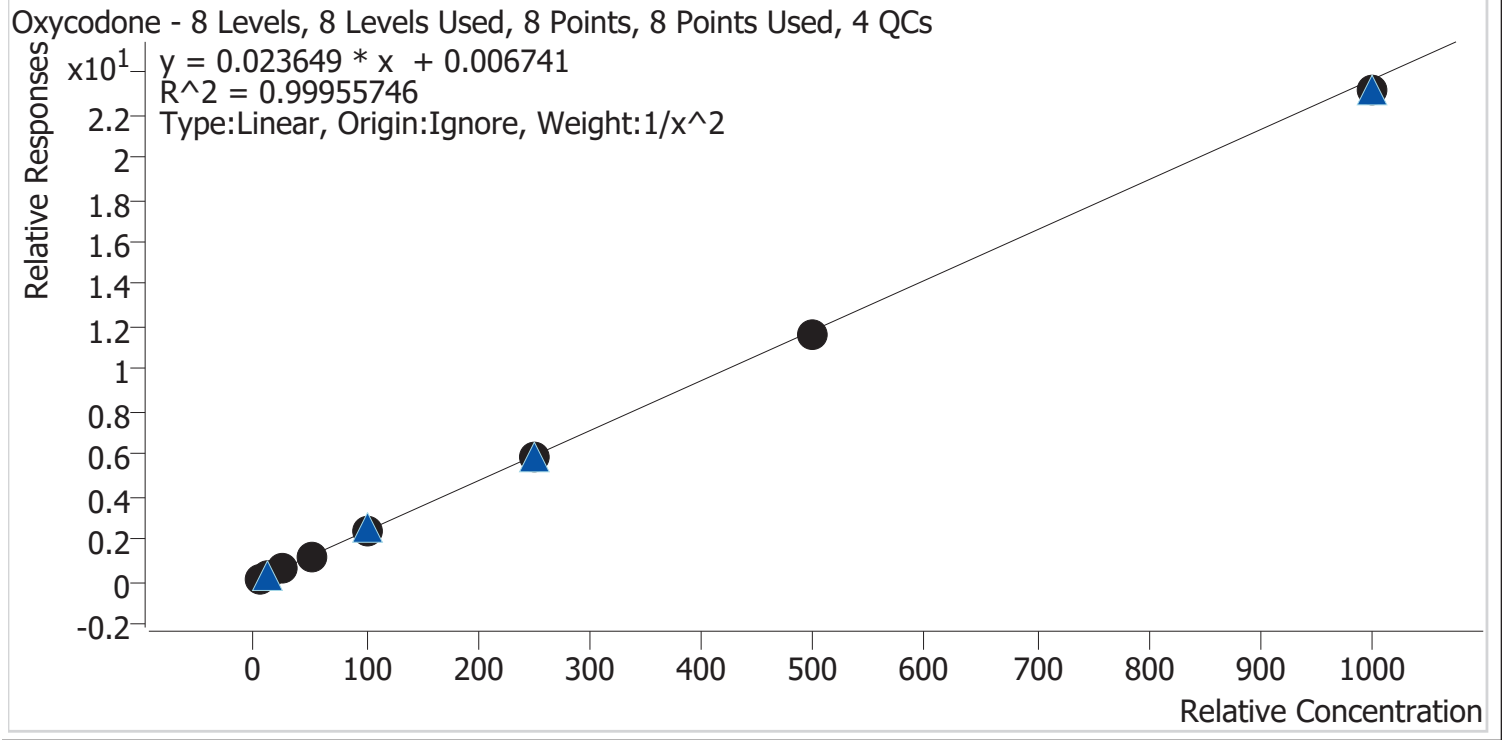


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.8
p1 Cal 2-10ng	2	✓	10.0	10.8	108.2
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.5
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	237.2	94.9
p1 Cal 7-500ng	7	✓	500.0	441.8	88.4
p1 Cal 8-1000ng	8	✓	1000.0	944.0	94.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

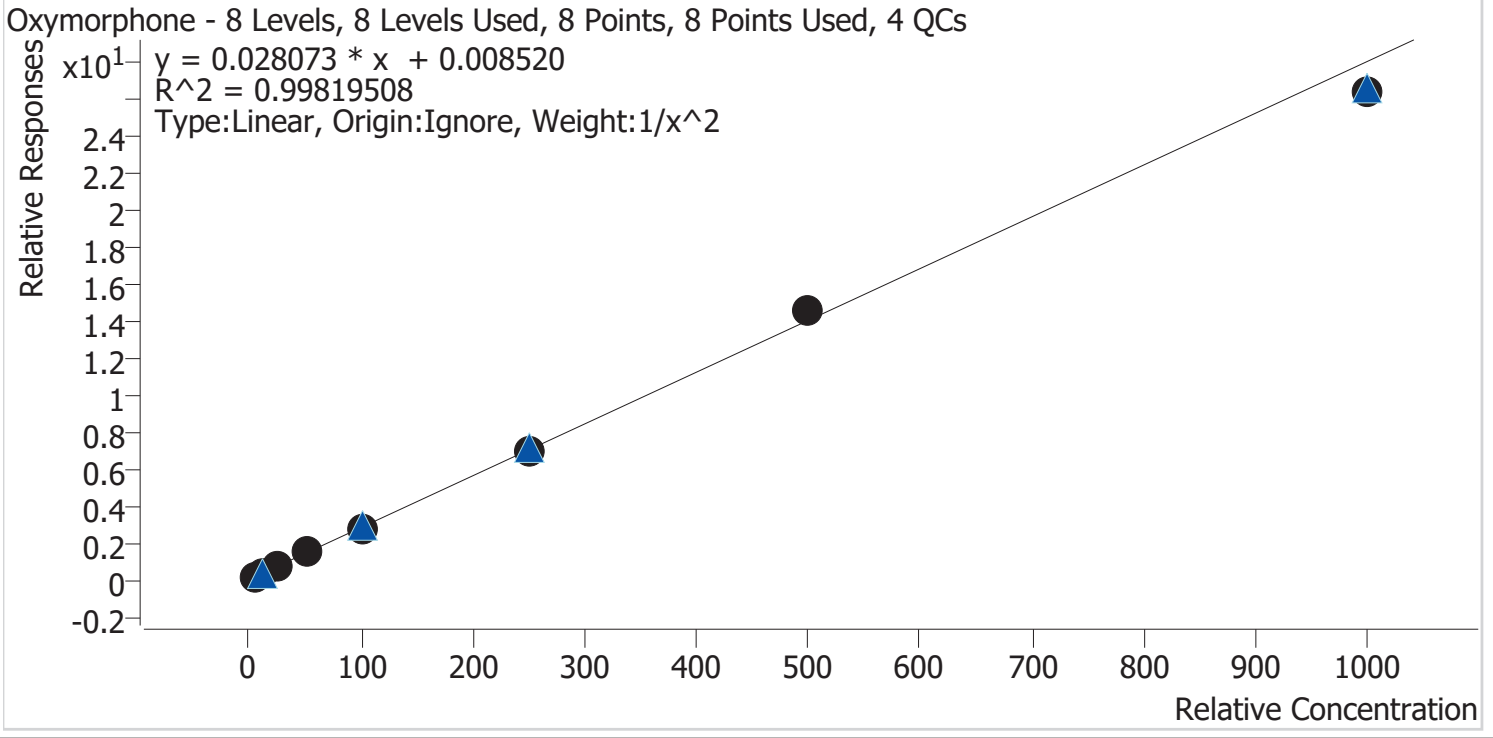


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	493.1	98.6
p1 Cal 8-1000ng	8	✓	1000.0	977.9	97.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin		
Last Cal. Update	8/20/2024 1:58 PM		
Analyst Name	ISP\Datastor		
Analyte	Oxymorphone	Internal Standard	Oxymorphone-D3

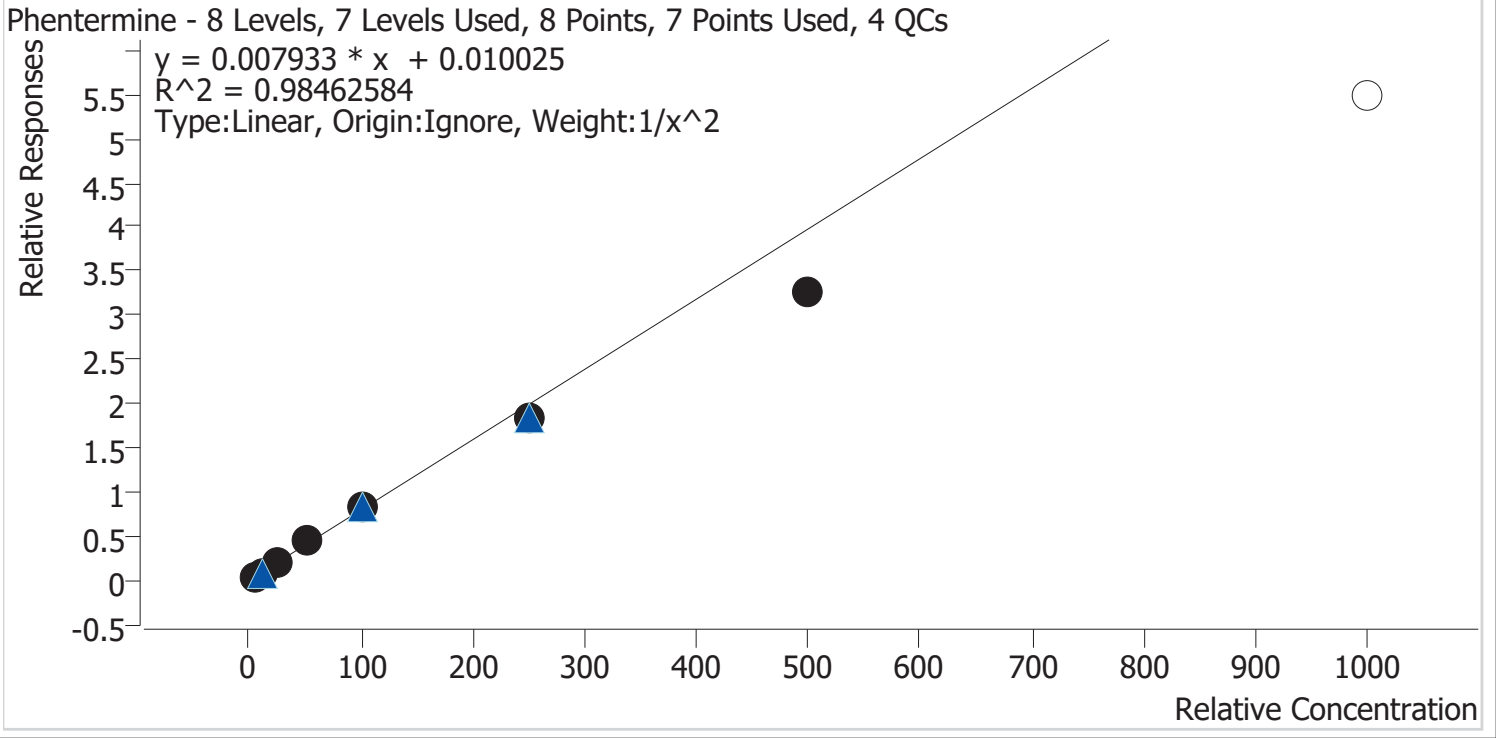


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	517.0	103.4
p1 Cal 8-1000ng	8	✓	1000.0	940.7	94.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

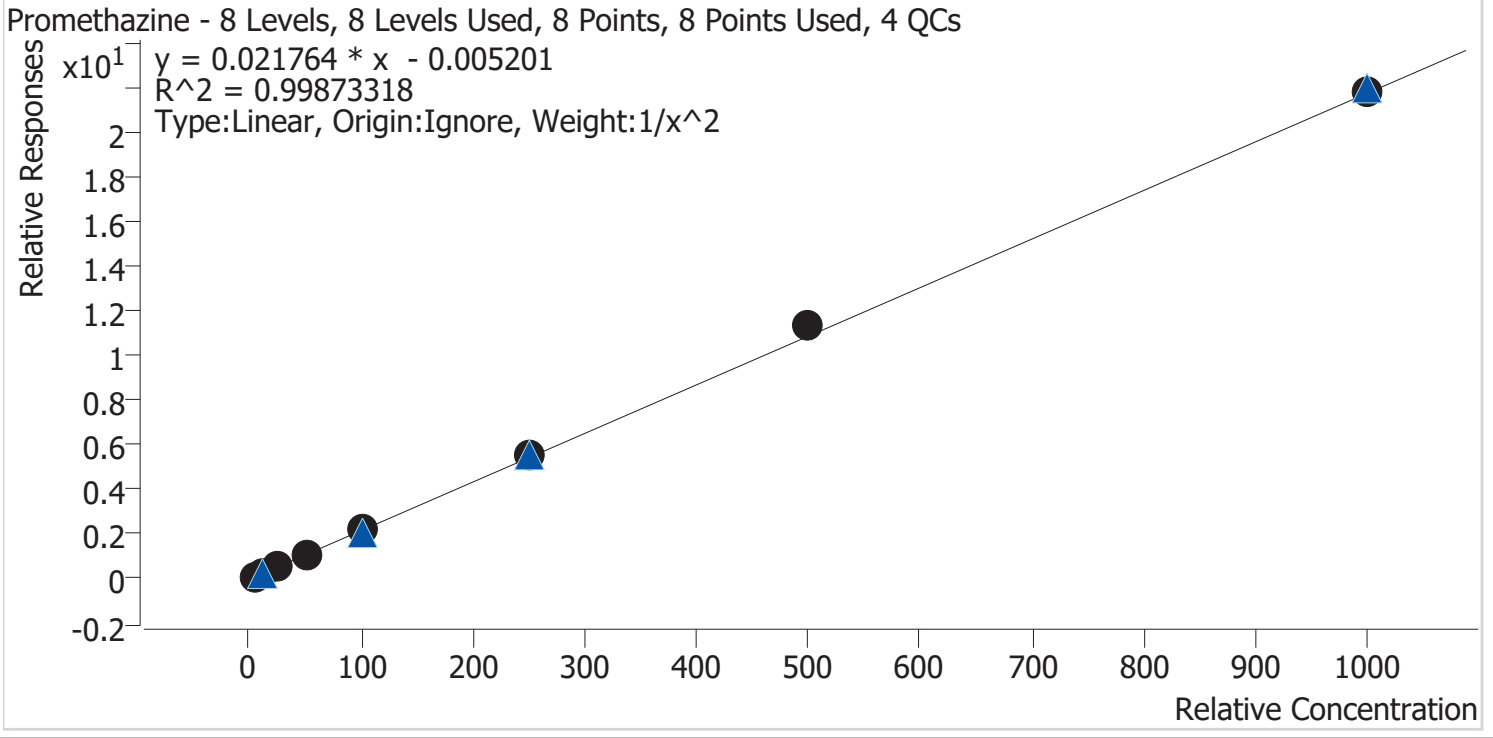


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.3
p1 Cal 2-10ng	2	✓	10.0	10.5	105.5
p1 Cal 3 -25ng	3	✓	25.0	27.5	109.8
p1 Cal 4-50ng	4	✓	50.0	55.5	111.0
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	232.7	93.1
p1 Cal 7-500ng	7	✓	500.0	410.1	82.0
p1 Cal 8-1000ng	8	×	1000.0	688.1	68.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin		
Last Cal. Update	8/20/2024 1:58 PM		
Analyst Name	ISP\Datastor		
Analyte	Promethazine	Internal Standard	Promethazine-D3

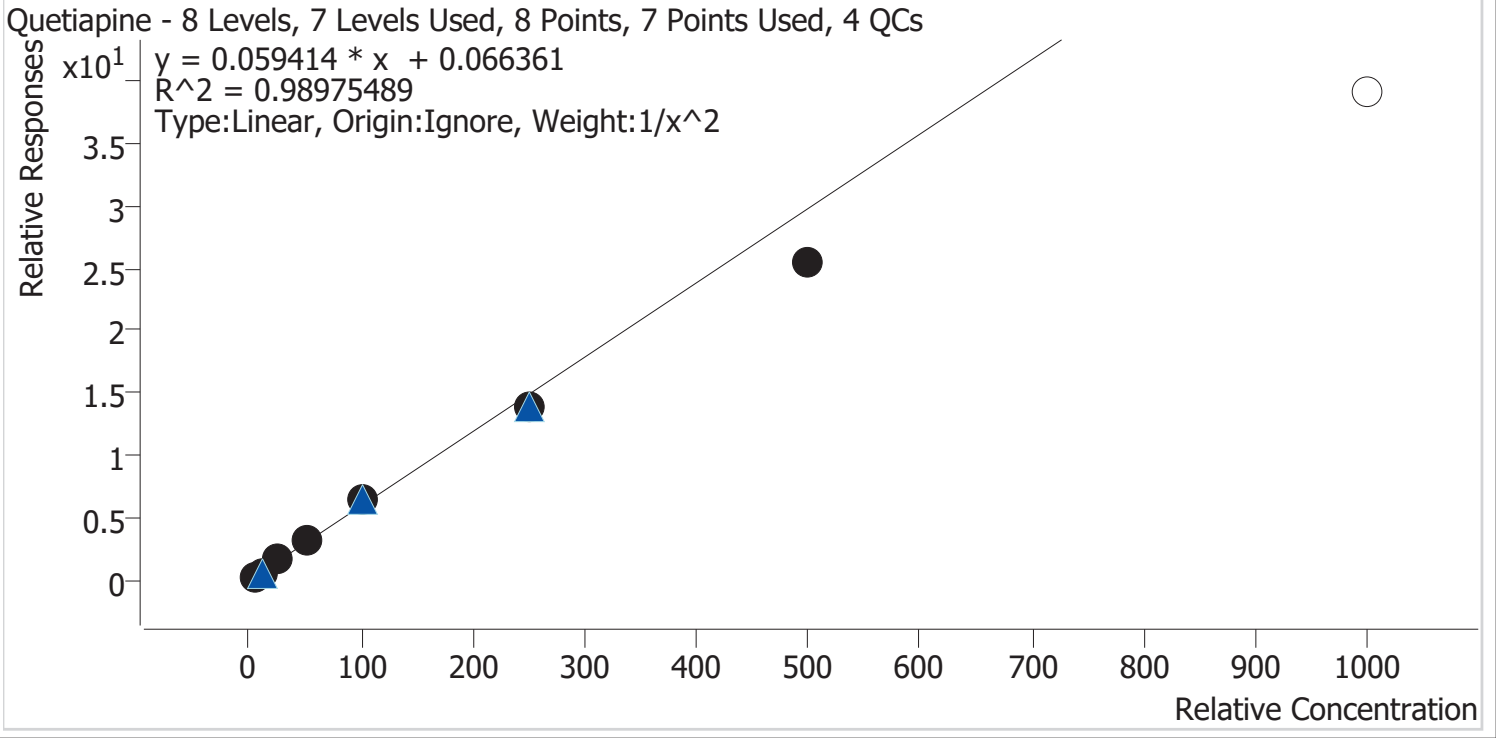


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	524.2	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1005.2	100.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

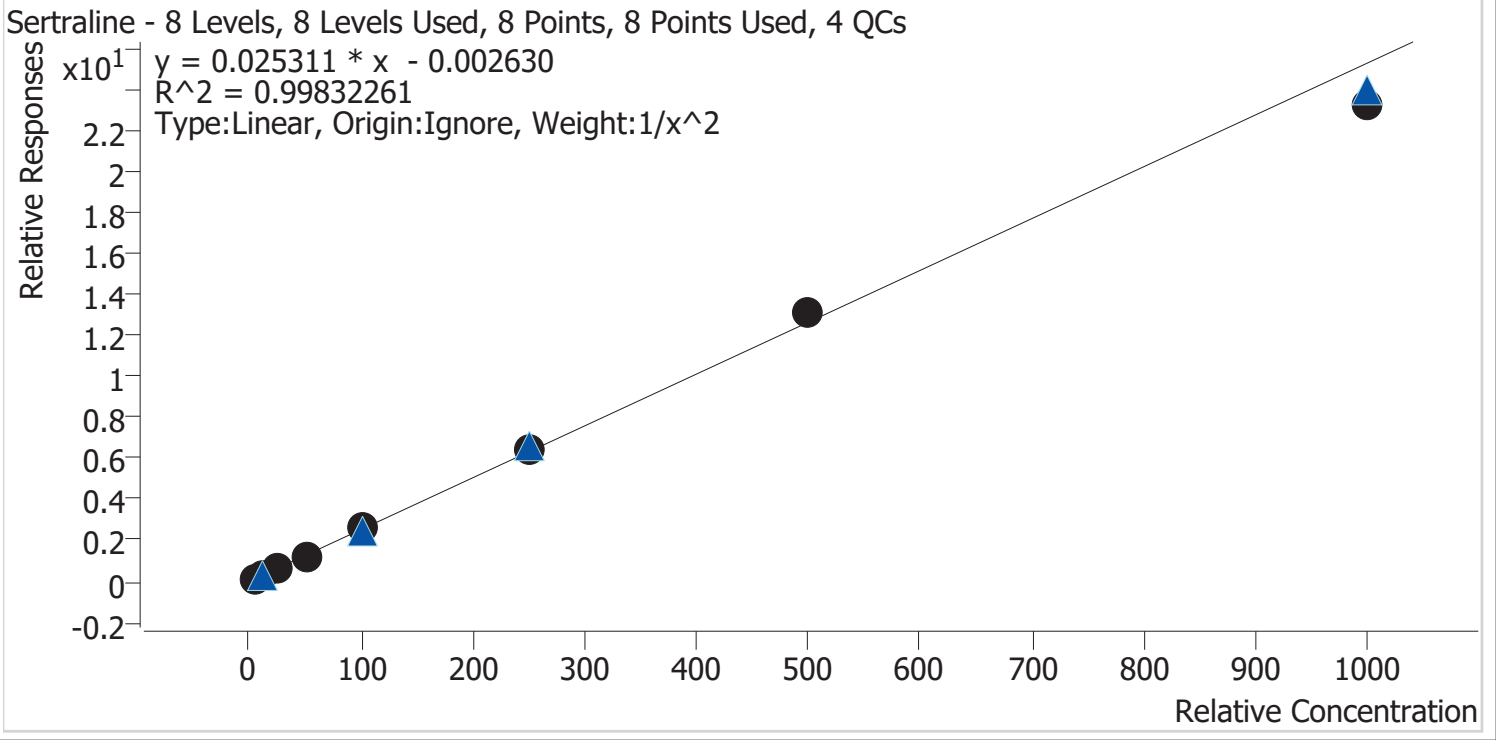


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.4	104.5
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	109.0	109.0
p1 Cal 6-250ng	6	✓	250.0	234.3	93.7
p1 Cal 7-500ng	7	✓	500.0	426.5	85.3
p1 Cal 8-1000ng	8	×	1000.0	655.5	65.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

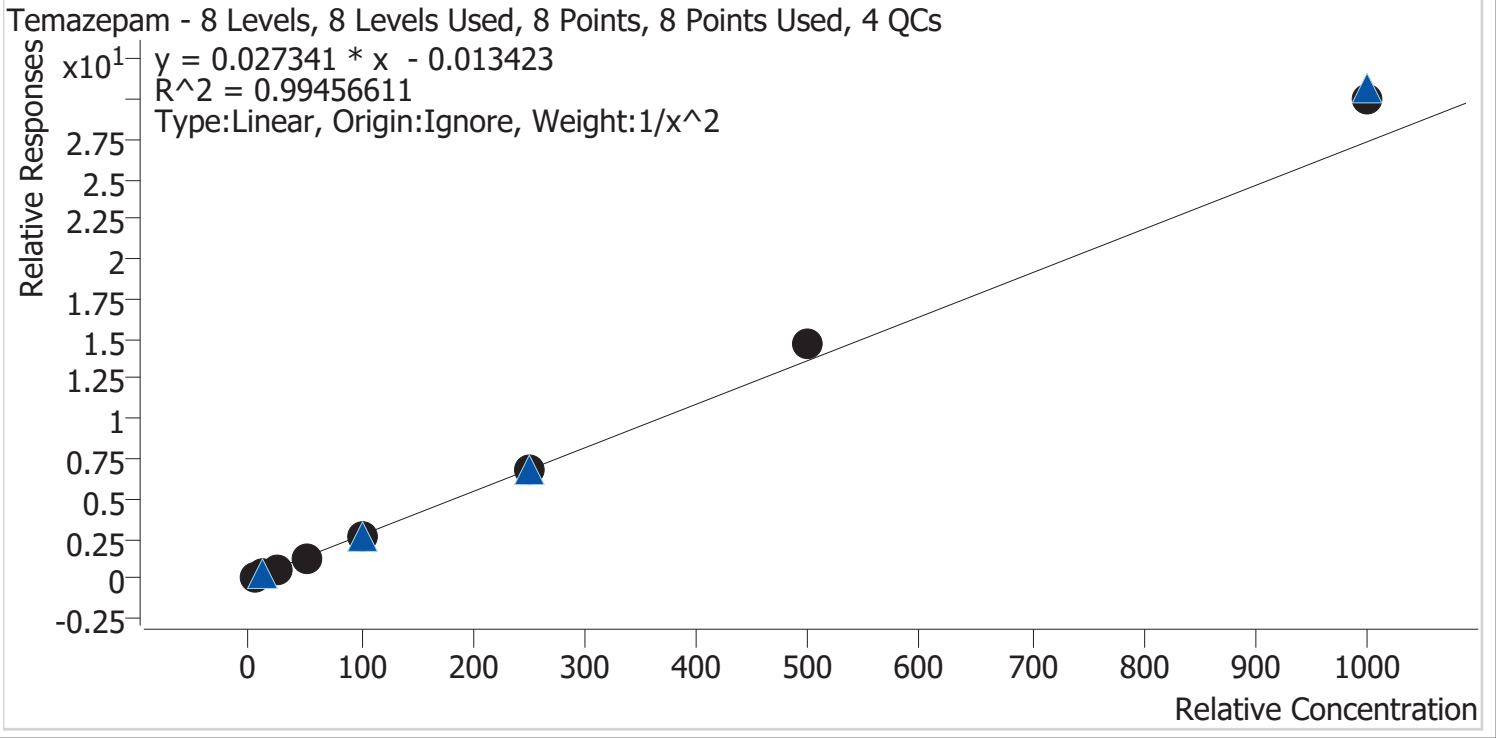


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	515.9	103.2
p1 Cal 8-1000ng	8	✓	1000.0	921.7	92.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.6
p1 Cal 2-10ng	2	✓	10.0	9.4	94.4
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.1
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	94.7	94.7
p1 Cal 6-250ng	6	✓	250.0	249.6	99.9
p1 Cal 7-500ng	7	✓	500.0	538.9	107.8
p1 Cal 8-1000ng	8	✓	1000.0	1094.1	109.4

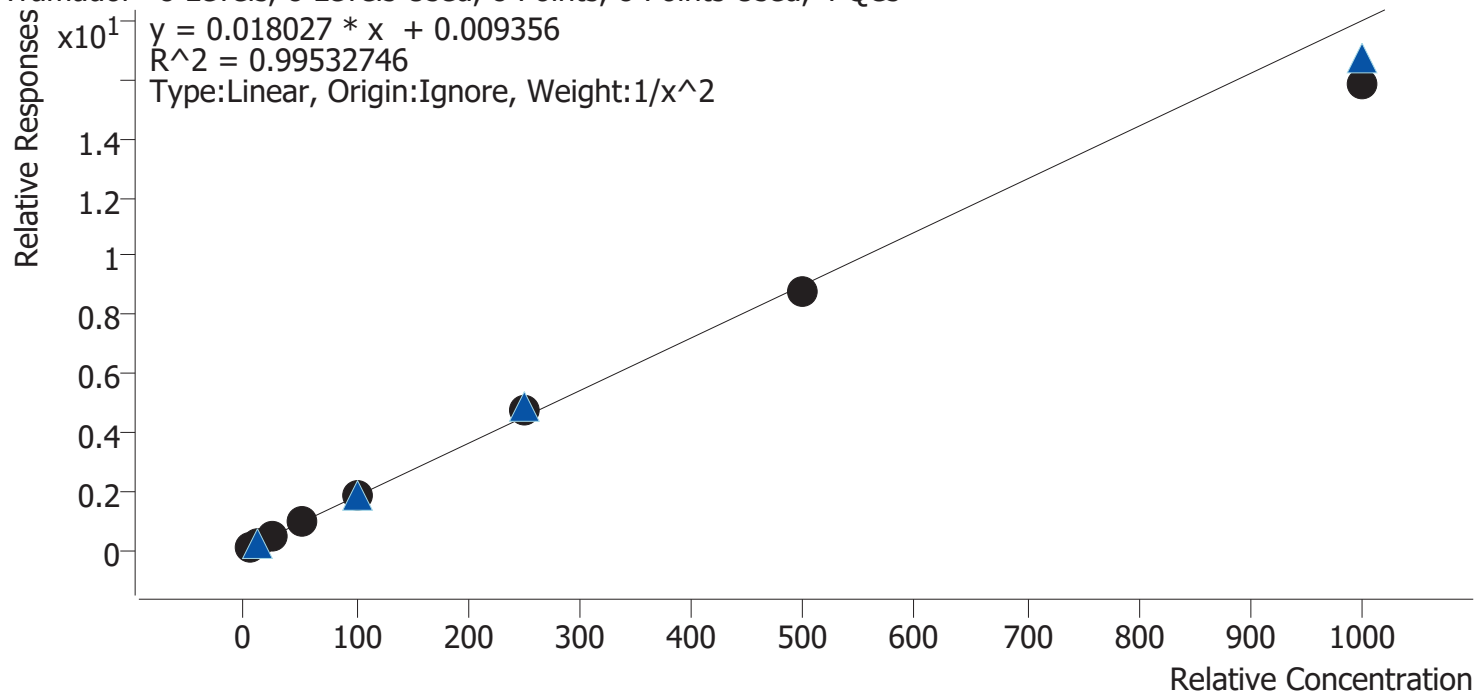
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.6
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	264.4	105.7
p1 Cal 7-500ng	7	✓	500.0	484.4	96.9
p1 Cal 8-1000ng	8	✓	1000.0	878.1	87.8

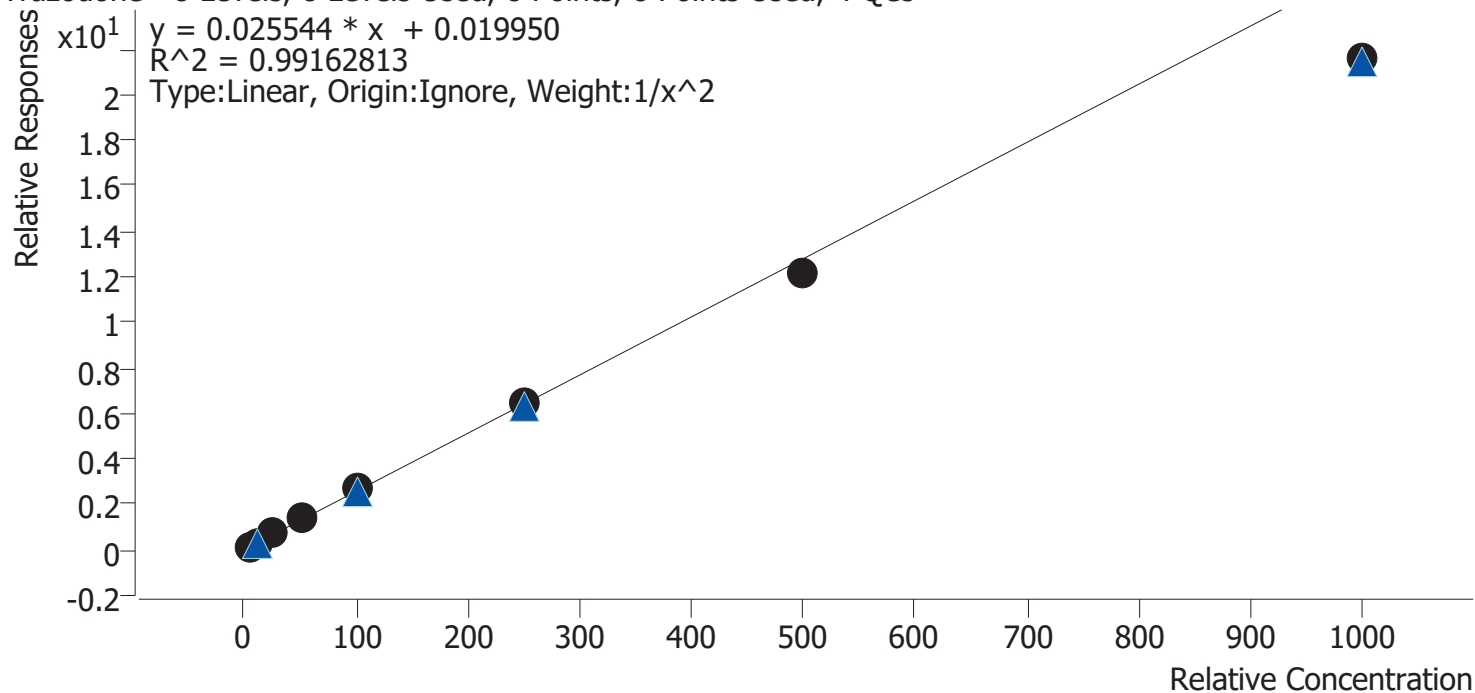
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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

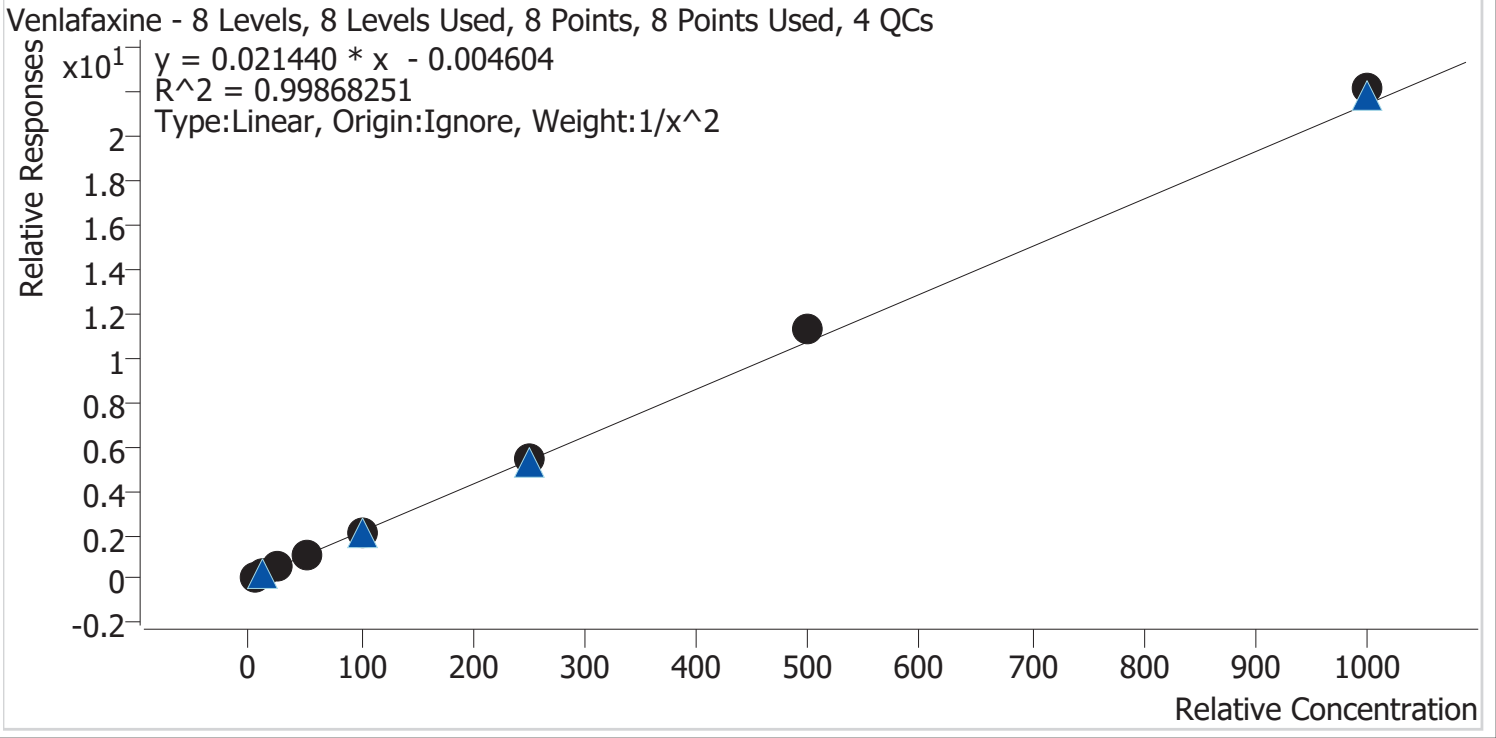


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	107.7	107.7
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	473.4	94.7
p1 Cal 8-1000ng	8	✓	1000.0	844.1	84.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

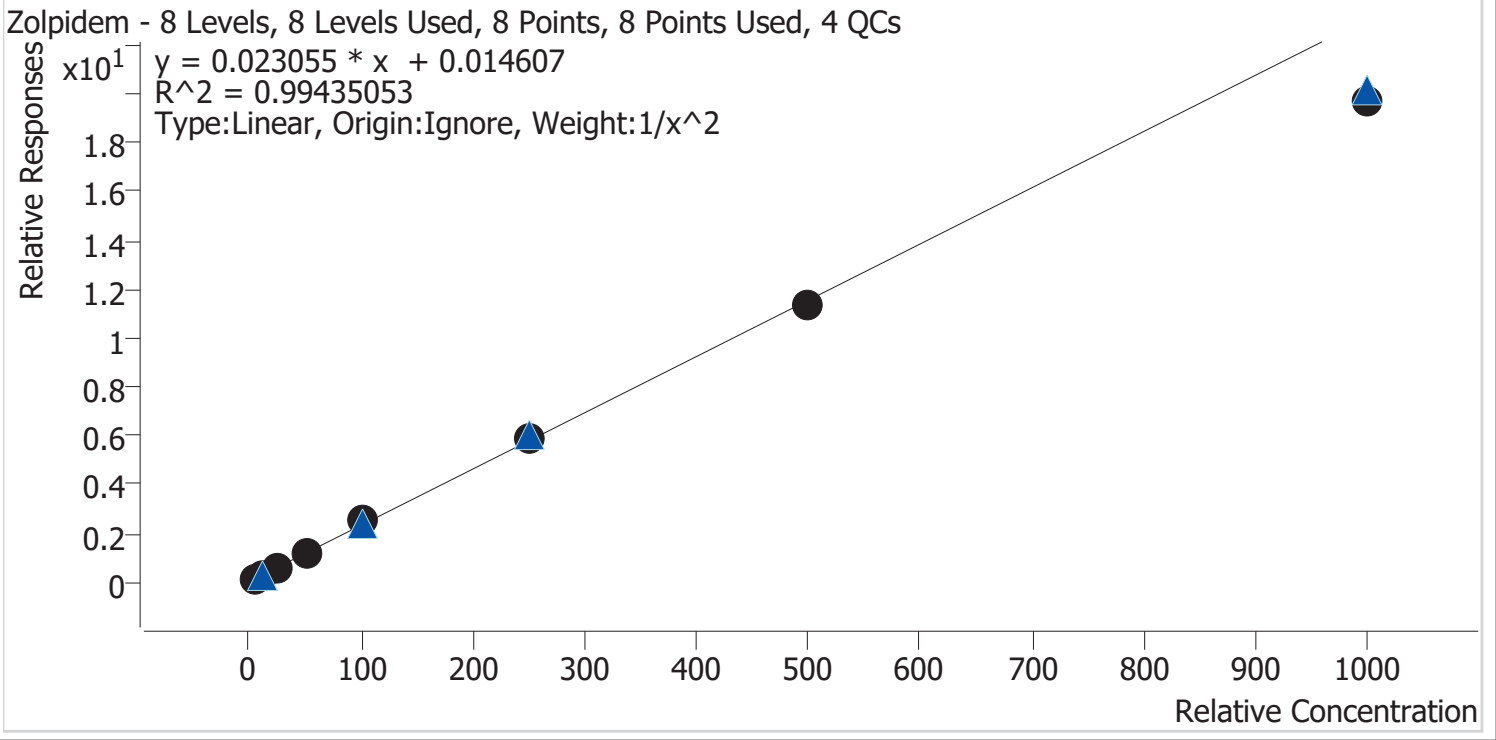


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.4
p1 Cal 4-50ng	4	✓	50.0	48.5	96.9
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	523.6	104.7
p1 Cal 8-1000ng	8	✓	1000.0	1032.9	103.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 8/20/2024 1:58 PM
Analyst Name ISP\Datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.2
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	256.5	102.6
p1 Cal 7-500ng	7	✓	500.0	489.2	97.8
p1 Cal 8-1000ng	8	✓	1000.0	856.4	85.6



AM #28 Multi-Drug Quant. Results

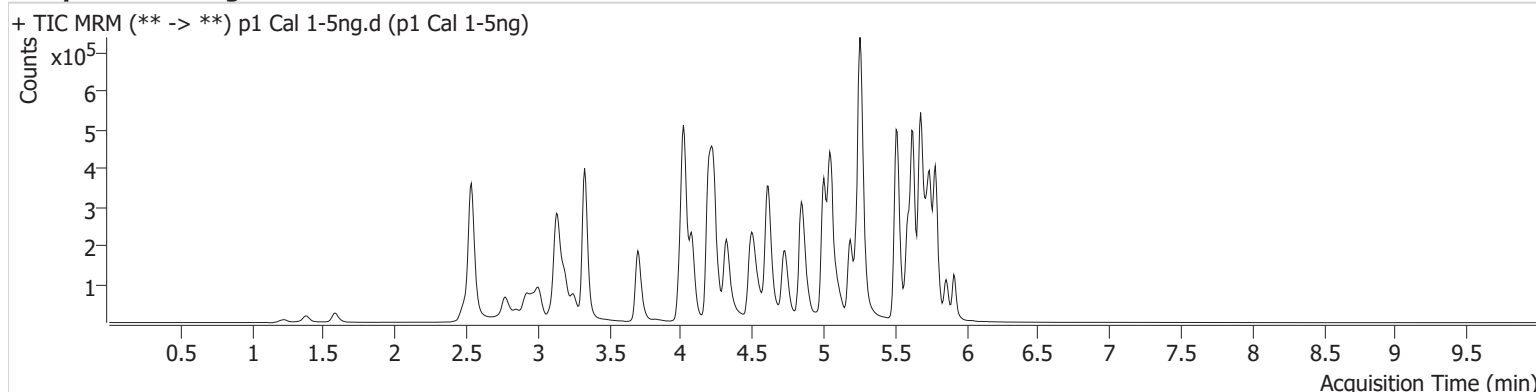
Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 8/20/2024 1:58:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-A1
Injection Volume 2
Acq. Date-Time 8/16/2024 4:02:29 AM
Sample Info.

Data File p1 Cal 1-5ng.d
Sample p1 Cal 1-5ng
Operator Celena Shrum
Comment

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.096	943	196.53	73.1	60.59	50904	0.5182 ng/ml
7-aminoclonazepam	4.230	16909	108.40	77.5	25634.66	126562	4.7469 ng/ml
9-hydroxyrisperidone	4.617	3386	260.75	3026.0	1519.37	821427	5.0964 ng/ml
a-hydroxyalprazolam	5.664	8862	93.56	64.2	51.53	63322	4.6901 ng/ml
alpha-PHP	4.895	18285	706.90	248.7	14275.62	463305	4.9598 ng/ml
alpha-PVP	4.329	64385	502.42	49.1	694.77	463305	5.0493 ng/ml
Alprazolam	5.748	32565	214.22	103.0	274.52	232838	4.9283 ng/ml
Amphetamine	3.006	105256	279.24	51.4	298.81	259275	4.7185 ng/ml
Benzoylcegonine	3.855	1505	286.10	29.8	24.75	8327	5.1546 ng/ml
Bromazolam	5.780	26515	13172.28	116.6	27773.42	126761	4.9556 ng/ml
Buprenorphine	5.744	1680	1569.44	15.2	401.01	113703	0.5051 ng/ml
Bupropion	4.744	65568	144599.21	62.0	136.60	437962	4.9620 ng/ml
Carisoprodol	5.696	38884	5228.99	61.4	97.23	357559	5.1839 ng/ml
Citalopram	5.186	53427	1038.80	40.0	391.06	472144	5.0575 ng/ml
Clonazepam	5.583	34447	2397.05	37.1	21202.41	94291	4.8257 ng/ml
Clonazolam	5.527	28435	34241.29	35.3	225.20	94291	4.7855 ng/ml
Cocaine	4.230	46079	188.24	51.0	159.78	703343	5.0161 ng/ml
Codeine	2.548	4926	113.03	105.4	5483.56	43807	4.6712 ng/ml
Cyclobenzaprine	5.593	65863	371.83	9.0	3062.98	416096	5.1226 ng/ml
Dextromethorphan	5.243	35976	586.78	79.8	161.86	289809	5.0406 ng/ml
Dextrorphan	4.082	20139	31706.99	212.1	118.55	410944	5.0029 ng/ml
Diazepam	5.920	21275	356.63	97.6	454.78	186875	4.9546 ng/ml
Dihydrocodeine	2.521	14163	56.47	62.7	230.12	134500	4.8471 ng/ml
Diphenhydramine	5.264	146973	176.52	33.0	640.97	1639363	5.1071 ng/ml
Doxylamine	4.511	117903	161.90	106.1	7891.11	908530	5.0246 ng/ml
Duloxetine	5.619	8181	981.25	16.1	140.43	78583	5.0027 ng/ml
EDDP	5.229	11177	132.09	40.8	77.98	99497	5.0079 ng/ml
Etizolam	5.787	14668	2088.32	27.9	5231.77	94291	5.2011 ng/ml
Fentanyl	5.062	5943	160.79	81.1	39.92	585536	0.5020 ng/ml
Fluorofentanyl	5.116	15333	237.44	40.5	810.31	5934	0.5147 ng/ml
Fluoxetine	5.679	85630	145947.61	7.9	1962.59	618488	5.1418 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.995	18023	431.30	39.7	65.24	167058	4.7989 ng/ml
Hydromorphone	1.589	12135	2336.22	74.7	14444.97	68787	5.0735 ng/ml
Hydroxyzine	5.670	70010	10121.25	73.7	70237.05	289809	4.9525 ng/ml
Ketamine	4.014	40729	281.20	35.8	58.45	345683	4.8162 ng/ml
Lamotrigine	4.239	40149	23243.36	87.6	8659.68	1001105	48.3055 ng/ml
Lorazepam	5.719	22376	391.01	45.8	36.92	291816	4.8150 ng/ml
MDA	3.160	66924	1696.67	29.2	340.62	363163	4.7676 ng/ml
MDMA	3.261	43425	671.02	84.4	556.36	91740	5.0361 ng/ml
Meprobamate	4.875	18953	29302.90	27.6	579.05	161239	4.9271 ng/ml
Methadone	5.625	103822	401.94	49.3	538.38	765747	5.1309 ng/ml
Methamphetamine	3.195	202446	2532.15	38.5	332.69	579731	4.9004 ng/ml
Metoprolol	4.286	11448	17073.67	101.6	11964.61	904158	4.7004 ng/ml
Mirtazapine	4.600	85569	1019.96	51.4	918.49	463305	4.9205 ng/ml
Mitragynine	5.198	12856	4996.83	38.6	84.55	765747	4.8920 ng/ml
Morphine	1.233	2682	231.84	46.5	129.01	11318	4.9986 ng/ml
Norbuprenorphine	4.958	309	145.15	91.8	135.36	19402	0.4448 ng/ml
Nordiazepam	5.866	27927	403.27	59.7	1304.82	161496	4.8797 ng/ml
Norfentanyl	4.042	8961	14167.35	38.0	62.96	694557	0.5102 ng/ml
Norhydrocodone	3.030	4272	42.46	38.5	86.46	53265	5.2616 ng/ml
Noroxycodone	2.873	11388	144.19	51.8	215.47	79091	4.9553 ng/ml
O-desmethyl-tramadol	3.335	97352	7624.84	5.9	331.04	978598	5.0525 ng/ml
o-desmethylvenlafaxine	4.027	90506	11314.46	26.8	495.59	197091	5.0221 ng/ml
Olanzapine	4.428	10286	112.82	65.9	85.92	58672	5.0934 ng/ml
Oxazepam	5.729	26899	418.57	72.0	54.21	291816	4.6886 ng/ml
Oxycodone	2.804	30118	143.81	27.2	241.93	241285	4.9931 ng/ml
Oxymorphone	1.386	7830	95.77	44.8	288.82	53697	4.8909 ng/ml
Phentermine	3.738	26026	391.63	4.8	46.04	548677	4.7154 ng/ml
Promethazine	5.516	95265	70033.02	29.0	741.69	894259	5.1338 ng/ml
Pseudoephedrine	2.545	102801	1242.28	16.7	1549.92	1001105	5.1282 ng/ml
Quetiapine	5.512	68239	135.56	56.2	25676.50	194462	4.7893 ng/ml
Sertraline	5.748	36025	257.76	93.3	175967.45	289888	5.0137 ng/ml
Temazepam	5.790	68711	221.50	27.9	137.02	530241	5.2306 ng/ml
Tramadol	4.211	87390	∞	4.1	30.12	904158	4.8425 ng/ml
Trazodone	5.095	79752	90042.20	69.1	202.22	560580	4.7885 ng/ml
Venlafaxine	5.003	92560	3234.77	33.3	136.49	885739	5.0888 ng/ml
Xylazine	4.049	33860	352.40	47.3	217.62	300011	5.0708 ng/ml
Zolpidem	4.865	85059	754.51	29.7	220.12	668682	4.8838 ng/ml

AM #28 Multi-Drug Quant. Results



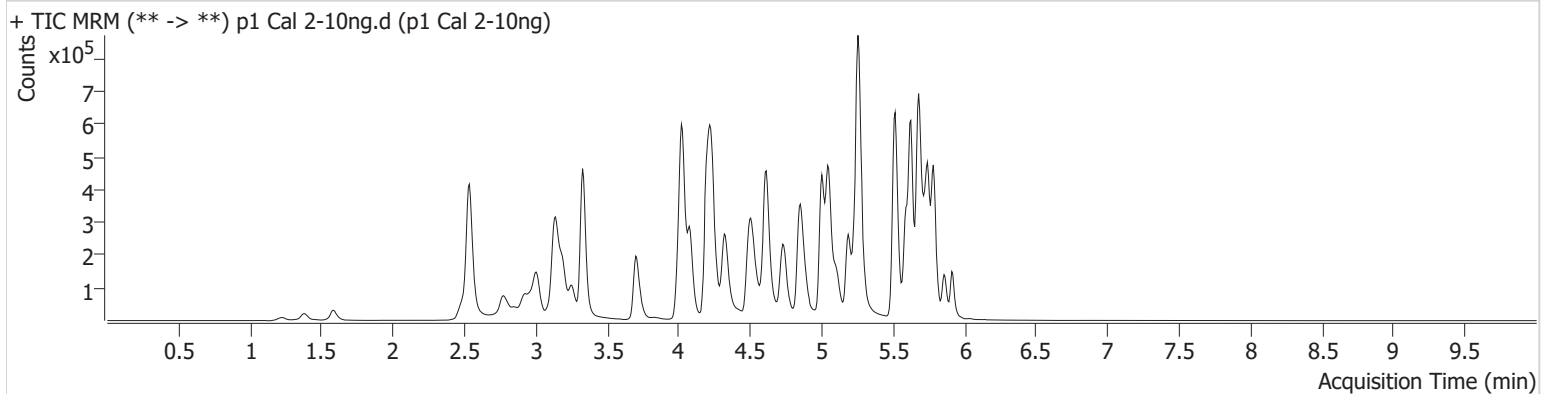
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Calibration Last Update 8/20/2024 1:58:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B1
Injection Volume 2
Acq. Date-Time 8/16/2024 4:13:19 AM
Sample Info.

Data File p1 Cal 2-10ng.d
Sample p1 Cal 2-10ng
Operator Celena Shrum
Comment

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.102	1709	155.96	75.9	2973.99	52561	0.9286 ng/ml
7-aminoclonazepam	4.237	38443	1301.09	79.0	48816.42	150009	10.7168 ng/ml
9-hydroxyrisperidone	4.617	6990	424.64	3146.7	2201.76	892249	9.6713 ng/ml
a-hydroxyalprazolam	5.664	18577	195.31	60.6	97.98	66155	10.4669 ng/ml
alpha-PHP	4.895	36814	272.14	255.7	762.22	489350	9.9597 ng/ml
alpha-PVP	4.329	135353	11914.92	49.7	530.78	489350	9.9287 ng/ml
Alprazolam	5.748	65697	479.94	105.0	624.95	233444	10.2106 ng/ml
Amphetamine	3.006	216155	228.99	52.7	311.66	279232	10.5922 ng/ml
Benzoylcegonine	3.855	2641	26.20	34.8	140.79	8564	9.4571 ng/ml
Bromazolam	5.780	52818	31117.12	122.2	66043.50	130181	10.0840 ng/ml
Buprenorphine	5.744	2983	3619.02	17.2	45.52	113628	0.9732 ng/ml
Bupropion	4.744	141658	13010.48	62.2	4547.49	475585	10.0985 ng/ml
Carisoprodol	5.696	79884	6246.70	57.2	74.92	365198	9.7315 ng/ml
Citalopram	5.186	113151	158.63	41.1	47327.21	503951	9.8993 ng/ml
Clonazepam	5.583	69191	330.52	38.0	733.96	95046	10.2819 ng/ml
Clonazepam	5.527	56008	56852.18	36.5	25019.73	95046	10.2998 ng/ml
Cocaine	4.230	97640	125026.61	49.3	33400.91	755954	10.0038 ng/ml
Codeine	2.542	10716	110.99	100.6	8713.92	46991	10.7139 ng/ml
Cyclobenzaprine	5.600	135957	101669.18	8.7	835.18	442160	9.7527 ng/ml
Dextromethorphan	5.236	75094	199.43	82.0	223.97	310627	9.8777 ng/ml
Dextrorphan	4.082	43986	85303.29	205.3	719.43	440809	10.0819 ng/ml
Diazepam	5.920	44058	1676.53	91.8	408.94	194114	10.1477 ng/ml
Dihydrocodeine	2.521	29113	2164.47	64.8	149.78	145013	10.1367 ng/ml
Diphenhydramine	5.264	308137	15125.26	33.0	186.30	1743931	9.7629 ng/ml
Doxylamine	4.511	264601	52111.84	101.4	2185.67	983742	10.0639 ng/ml
Duloxetine	5.619	16865	272.17	15.3	672.87	83223	9.9717 ng/ml
EDDP	5.229	23542	327.03	42.6	64.21	104506	10.0084 ng/ml
Etizolam	5.787	29777	777.42	26.0	13063.78	95046	9.7226 ng/ml
Fentanyl	5.062	12398	84.01	80.8	9740.13	609785	0.9981 ng/ml
Fluorofentanyl	5.116	31178	∞	43.4	4598.73	5981	0.9878 ng/ml
Fluoxetine	5.679	179473	313.42	8.0	169.50	666381	9.7184 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.995	39166	85.70	38.2	90.02	174283	10.3786 ng/ml
Hydromorphone	1.589	24584	10463.54	76.2	2397.35	72887	9.7988 ng/ml
Hydroxyzine	5.670	146752	5829.93	74.7	8607.63	310627	9.9510 ng/ml
Ketamine	4.014	87008	485.85	36.2	219.41	372967	10.4032 ng/ml
Lamotrigine	4.239	81425	47274.58	87.5	3883.30	1072071	106.2580 ng/ml
Lorazepam	5.719	42022	1997.34	50.8	89.86	280788	10.6662 ng/ml
MDA	3.160	141604	365.49	28.2	3359.17	384477	10.4947 ng/ml
MDMA	3.261	92053	158407.60	85.6	835.25	97556	9.9491 ng/ml
Meprobamate	4.875	34930	∞	27.8	72.29	164562	9.8995 ng/ml
Methadone	5.625	213636	9143.50	49.8	495.92	819177	9.7200 ng/ml
Methamphetamine	3.195	303262	1037.65	39.1	831.46	622808	10.1672 ng/ml
Metoprolol	4.286	24862	3849.91	100.0	894.98	966690	10.7428 ng/ml
Mirtazapine	4.600	184633	2248.79	51.4	1447.39	489350	10.3228 ng/ml
Mitragynine	5.198	34536	60163.44	36.5	684.14	819177	10.8423 ng/ml
Morphine	1.227	4770	2092.86	45.9	384.62	10715	9.7955 ng/ml
Norbuprenorphine	4.958	562	106.38	89.3	533.92	18173	1.0870 ng/ml
Nordiazepam	5.866	59640	2179.10	57.0	1294.87	173558	10.1797 ng/ml
Norfentanyl	4.042	19114	628.92	37.9	141.32	736915	0.9869 ng/ml
Norhydrocodone	3.030	8469	86.15	42.5	194.40	58018	9.2450 ng/ml
Noroxycodone	2.873	24565	385.12	47.3	420.77	83978	10.1689 ng/ml
O-desmethyl-tramadol	3.335	208030	8228.07	6.0	939.04	1045165	9.9129 ng/ml
o-desmethylvenlafaxine	4.027	191204	7284.63	27.2	996.10	207260	9.9888 ng/ml
Olanzapine	4.428	25896	113.13	64.0	43.03	70210	9.8223 ng/ml
Oxazepam	5.729	54795	5950.94	69.1	∞	280788	10.8190 ng/ml
Oxycodone	2.804	64640	610.10	28.3	366.98	265318	10.0169 ng/ml
Oxymorphone	1.386	16630	∞	45.0	144.51	55387	10.3920 ng/ml
Phentermine	3.738	54272	194.03	4.9	48.68	579298	10.5458 ng/ml
Promethazine	5.516	197530	12928.06	30.8	1178.94	963663	9.6572 ng/ml
Pseudoephedrine	2.545	210928	6336.54	16.6	4055.50	1072071	9.7070 ng/ml
Quetiapine	5.519	142300	995783.72	56.9	6392.20	207125	10.4464 ng/ml
Sertraline	5.748	77022	4499.50	89.5	12493.49	309598	9.9328 ng/ml
Temazepam	5.790	126856	501.97	28.4	580.87	518500	9.4395 ng/ml
Tramadol	4.211	189693	∞	3.9	∞	966690	10.3660 ng/ml
Trazodone	5.102	172098	369.39	67.0	394.25	598844	10.4697 ng/ml
Venlafaxine	5.003	196374	855.25	33.5	127.73	946802	9.8886 ng/ml
Xylazine	4.049	71318	3131.36	48.3	516.87	317619	9.8269 ng/ml
Zolpidem	4.865	177187	2565.47	30.2	1119.84	712251	10.1566 ng/ml

AM #28 Multi-Drug Quant. Results



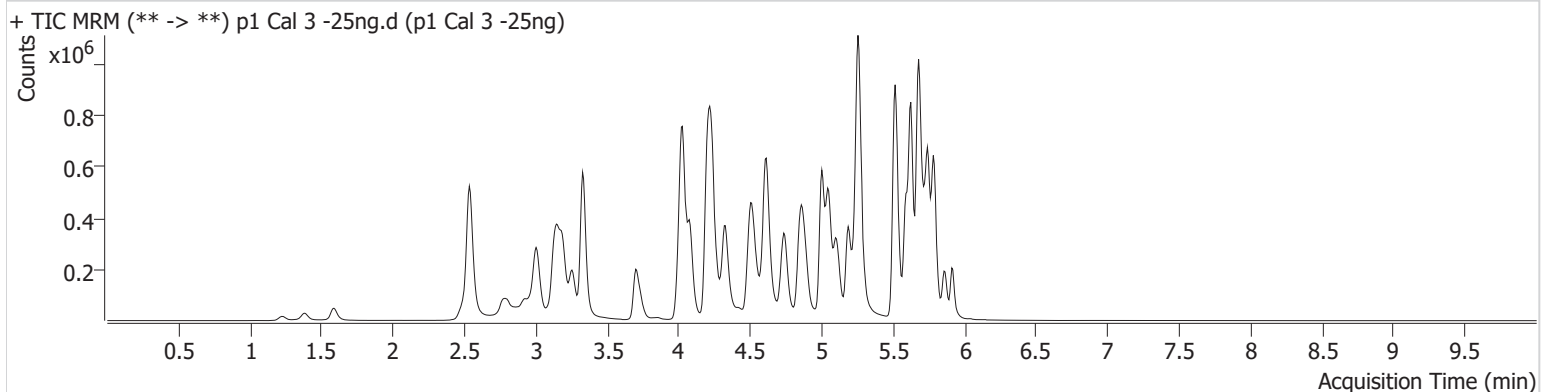
Batch results D:\MassHunter\Data\2024\AM 27 28\081524 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 8/20/2024 1:58:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C1
Injection Volume 2
Acq. Date-Time 8/16/2024 4:23:57 AM
Sample Info.

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

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.102	4659	1429.90	70.8	344.39	54913	2.4624 ng/ml
7-aminoclonazepam	4.237	74851	4216.66	77.8	7411.53	124910	27.4083 ng/ml
9-hydroxyrisperidone	4.617	16859	719.92	3019.9	4563.05	837045	24.8417 ng/ml
a-hydroxyalprazolam	5.664	41408	291.02	62.8	336.11	57390	28.5420 ng/ml
alpha-PHP	4.895	91381	2139.65	258.3	1653.19	486851	25.6826 ng/ml
alpha-PVP	4.329	333986	27533.13	50.5	3112.52	486851	24.4443 ng/ml
Alprazolam	5.748	147470	246.04	103.9	284.79	216016	25.1833 ng/ml
Amphetamine	3.006	503970	966.30	51.3	21942.16	271389	27.8699 ng/ml
Benzoylcegonine	3.855	6464	196.40	36.4	111.14	8481	24.7505 ng/ml
Bromazolam	5.780	117259	3400.20	116.4	114757.66	118957	25.2170 ng/ml
Buprenorphine	5.751	7831	7174.67	15.3	67.84	125759	2.4422 ng/ml
Bupropion	4.744	353076	∞	62.2	719.05	482759	25.1288 ng/ml
Carisoprodol	5.696	184771	945.50	60.2	196.07	342789	22.9732 ng/ml
Citalopram	5.186	275429	951.18	41.1	4292.00	495344	24.3116 ng/ml
Clonazepam	5.583	168544	6985.01	35.6	4106.97	90930	27.2174 ng/ml
Clonazolam	5.527	130105	21285.45	37.9	31999.21	90930	26.4296 ng/ml
Cocaine	4.230	224374	374.43	50.7	1449.13	714162	24.5029 ng/ml
Codeine	2.542	24350	195.37	99.7	1870.31	44923	27.1285 ng/ml
Cyclobenzaprine	5.593	339613	2428.09	8.8	376.09	443463	23.9767 ng/ml
Dextromethorphan	5.236	184736	2479.68	81.2	4593.64	305454	24.8085 ng/ml
Dextrorphan	4.082	106017	643.90	209.3	1065.32	429457	24.7937 ng/ml
Diazepam	5.920	105053	1065.64	92.2	464.78	190629	25.0269 ng/ml
Dihydrocodeine	2.521	69493	944.91	63.6	381.01	139774	26.5611 ng/ml
Diphenhydramine	5.264	771460	652.63	32.6	11976.05	1728323	24.1878 ng/ml
Doxylamine	4.511	632603	79437.83	100.0	266191.29	958581	24.2176 ng/ml
Duloxetine	5.619	41457	5547.90	14.9	249.61	82432	25.1129 ng/ml
EDDP	5.229	36079	424.89	43.0	58.86	65259	24.5138 ng/ml
Etizolam	5.787	67593	241.26	26.1	6932.75	90930	22.0517 ng/ml
Fentanyl	5.062	31945	152.33	76.4	19544.45	633529	2.4644 ng/ml
Fluorofentanyl	5.116	77239	1672.26	43.5	6448.41	6072	2.3388 ng/ml
Fluoxetine	5.679	433945	1001.57	8.1	33328.36	641981	23.9375 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.995	95755	695.58	37.4	93.45	167300	26.9792 ng/ml
Hydromorphone	1.589	59096	1171.84	77.8	160400.66	71829	24.0586 ng/ml
Hydroxyzine	5.670	369286	36329.43	72.7	1260.18	305454	25.8975 ng/ml
Ketamine	4.014	207064	5292.19	37.8	1266.71	370723	26.1412 ng/ml
Lamotrigine	4.239	179722	2539.82	88.9	12949.76	1036928	263.6737 ng/ml
Lorazepam	5.720	89257	2159.23	51.1	209.51	260895	26.0964 ng/ml
MDA	3.160	329870	3410.23	28.5	206.41	369954	26.7822 ng/ml
MDMA	3.255	229506	276812.74	83.7	1486.70	98309	24.4820 ng/ml
Meprobamate	4.875	86526	246.67	27.8	94.81	160272	27.0976 ng/ml
Methadone	5.625	522733	1421.76	50.7	867.16	815756	23.6477 ng/ml
Methamphetamine	3.195	553336	1126.52	39.2	336.93	621947	25.5696 ng/ml
Metoprolol	4.286	59521	1553.82	105.2	1506.51	967574	27.3093 ng/ml
Mirtazapine	4.600	429945	4893.86	51.0	430.68	486851	24.5098 ng/ml
Mitragynine	5.198	78351	51641.02	36.8	189.02	815756	23.4809 ng/ml
Morphine	1.233	12810	1424.17	45.1	71.73	11239	25.7956 ng/ml
Norbuprenorphine	4.958	1274	556.34	87.2	387.10	20715	2.3976 ng/ml
Nordiazepam	5.866	140693	4214.03	56.4	666.59	164001	26.1457 ng/ml
Norfentanyl	4.042	44133	1047.47	39.9	885.56	686909	2.3879 ng/ml
Norhydrocodone	3.030	20583	209.86	40.9	174.80	55099	23.0305 ng/ml
Noroxycodone	2.873	56895	1178.34	48.2	514.02	79543	25.0087 ng/ml
O-desmethyl-tramadol	3.335	512389	32178.33	6.1	332.85	1034476	24.3766 ng/ml
o-desmethylvenlafaxine	4.027	459595	26392.60	27.1	303.23	199441	24.8021 ng/ml
Olanzapine	4.428	62361	266.24	60.5	240.66	64737	24.3484 ng/ml
Oxazepam	5.729	120159	329.27	72.1	3369.98	260895	26.6205 ng/ml
Oxycodone	2.804	148180	460.83	29.1	428.04	251250	24.6537 ng/ml
Oxymorphone	1.386	38060	203.68	45.5	131.23	53982	24.8113 ng/ml
Phentermine	3.738	132033	1148.82	5.0	110.51	579564	27.4533 ng/ml
Promethazine	5.516	498773	859.96	30.0	2267.65	969473	23.8780 ng/ml
Pseudoephedrine	2.545	512085	1796.99	16.4	20201.94	1036928	24.1693 ng/ml
Quetiapine	5.519	325922	421908.62	60.5	386.33	198042	26.5823 ng/ml
Sertraline	5.748	183745	24259.12	87.3	135083.32	293964	24.7989 ng/ml
Temazepam	5.790	312308	17686.63	27.7	860.41	496031	23.5194 ng/ml
Tramadol	4.211	464988	149.49	3.9	358.97	967574	26.1387 ng/ml
Trazodone	5.102	415639	324.67	69.4	470.90	605676	26.0844 ng/ml
Venlafaxine	5.003	484074	1562.60	33.9	864.76	955134	23.8534 ng/ml
Xylazine	4.049	177970	1010.44	49.1	240.76	316923	24.1793 ng/ml
Zolpidem	4.865	422106	5132.95	29.6	74729.36	686146	26.0495 ng/ml

AM #28 Multi-Drug Quant. Results



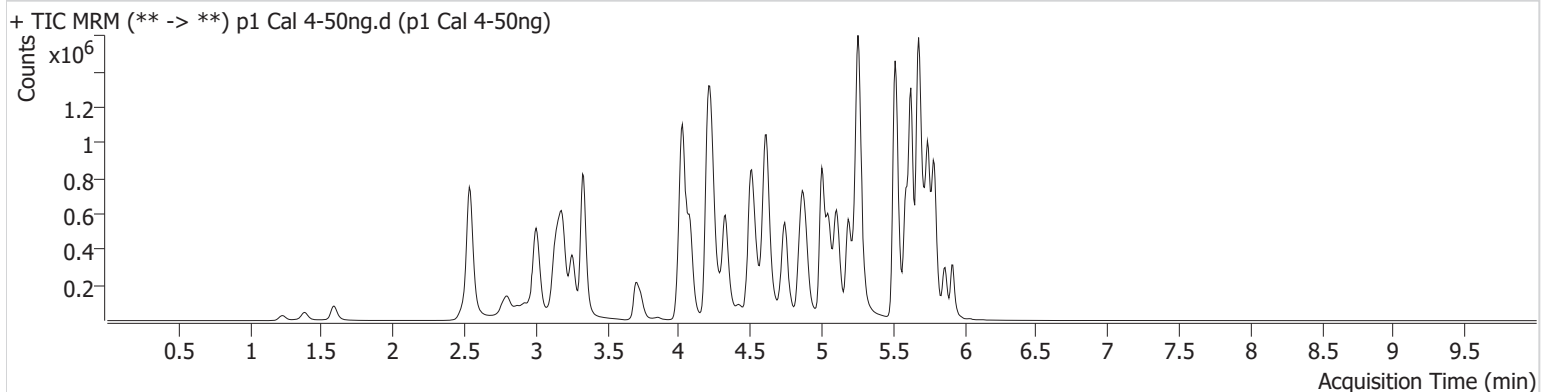
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Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D1
Injection Volume 2
Acq. Date-Time 8/16/2024 4:34:39 AM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.102	9895	3854.12	68.6	13836.55	56754	5.0859 ng/ml
7-aminoclonazepam	4.230	123048	20514.06	78.7	3422.06	112700	51.3814 ng/ml
9-hydroxyrisperidone	4.617	36177	244.27	3045.7	6791.45	904363	49.3250 ng/ml
a-hydroxyalprazolam	5.664	78296	∞	63.9	427.12	57648	54.6529 ng/ml
alpha-PHP	4.895	190223	716.25	261.6	294.14	511611	51.4216 ng/ml
alpha-PVP	4.329	708683	19781.89	50.8	653.16	511611	49.2334 ng/ml
Alprazolam	5.748	298314	1805.91	108.3	985.27	218702	50.6067 ng/ml
Amphetamine	3.006	996726	310.71	50.5	301.03	286491	53.7501 ng/ml
Benzoylcegonine	3.855	13036	723.34	38.6	348.44	8962	48.0889 ng/ml
Bromazolam	5.780	234130	273090.74	118.8	197491.51	117754	51.3757 ng/ml
Buprenorphine	5.751	16886	867.99	15.1	239.87	128701	5.2535 ng/ml
Bupropion	4.744	731682	798.31	61.4	5929.85	501587	50.3472 ng/ml
Carisoprodol	5.696	361410	5053.80	58.8	234.81	328037	46.2380 ng/ml
Citalopram	5.186	583399	1519.37	40.1	689.62	513314	49.5486 ng/ml
Clonazepam	5.583	305954	6236.30	36.2	2752.38	86333	52.6497 ng/ml
Clonazepam	5.527	257337	78114.19	36.8	2590.52	86333	56.1365 ng/ml
Cocaine	4.230	472653	776.68	49.8	1574.92	735728	50.2267 ng/ml
Codeine	2.542	49464	533.73	98.2	8857.68	45357	55.8038 ng/ml
Cyclobenzaprine	5.593	698102	13378.53	8.7	102.32	454072	47.9226 ng/ml
Dextromethorphan	5.236	383303	859.26	82.0	425.28	316557	49.7340 ng/ml
Dextrorphan	4.082	216681	9877.83	214.5	1437.42	447576	48.5258 ng/ml
Diazepam	5.920	218991	547.39	91.2	1986.24	197464	50.6394 ng/ml
Dihydrocodeine	2.514	149753	1166.54	61.6	558.15	147010	55.4555 ng/ml
Diphenhydramine	5.264	1608736	8358.44	32.8	2469.66	1789554	48.3975 ng/ml
Doxylamine	4.511	1404246	3560.51	98.8	383774.84	1041928	49.1172 ng/ml
Duloxetine	5.619	80479	3927.93	14.1	272.66	81840	49.3395 ng/ml
EDDP	5.229	80476	3936.65	42.2	22033.11	70258	50.7526 ng/ml
Etizolam	5.787	138681	9295.78	27.1	17997.96	86333	46.7915 ng/ml
Fentanyl	5.062	66968	866.99	75.9	340.63	654535	4.9928 ng/ml
Fluorofentanyl	5.116	167426	7741.94	42.6	11921.38	6689	4.5544 ng/ml
Fluoxetine	5.679	850198	49384.82	8.2	44189.44	631057	47.4126 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.995	196643	181.79	38.7	309.18	176305	52.9098 ng/ml
Hydromorphone	1.589	129430	315500.60	75.5	484882.30	74510	50.9172 ng/ml
Hydroxyzine	5.670	757097	3336.05	74.0	25024.16	316557	51.5035 ng/ml
Ketamine	4.014	428382	1182.46	37.7	3176.54	379884	53.6792 ng/ml
Lamotrigine	4.239	317877	3491.45	89.5	77880.25	1082265	458.3079 ng/ml
Lorazepam	5.720	141279	3099.54	51.5	387.39	226906	48.5861 ng/ml
MDA	3.160	645823	4228.58	28.5	5022.48	366599	53.8584 ng/ml
MDMA	3.261	479764	7110.60	86.0	2622.84	101719	49.3696 ng/ml
Meprobamate	4.875	163141	∞	27.6	2410.65	160390	52.1530 ng/ml
Methadone	5.625	1120951	3111.36	50.0	1677.26	834247	49.4090 ng/ml
Methamphetamine	3.189	1065254	10399.03	38.2	661.13	663322	52.9611 ng/ml
Metoprolol	4.286	121311	243391.57	106.6	9429.40	1048139	52.4035 ng/ml
Mirtazapine	4.600	939174	3556.42	50.8	4032.85	511611	51.2285 ng/ml
Mitragynine	5.198	164789	2395.47	36.5	1184.05	834247	47.2826 ng/ml
Morphine	1.233	26136	552.81	45.8	289.98	11546	51.6839 ng/ml
Norbuprenorphine	4.958	2670	7612.96	90.8	2140.46	21058	5.1957 ng/ml
Nordiazepam	5.866	279927	1692.92	57.2	569.89	164021	52.4977 ng/ml
Norfentanyl	4.042	89090	139.89	39.7	256.44	694554	4.7289 ng/ml
Norhydrocodone	3.030	47633	530.35	41.1	71.46	58925	49.3676 ng/ml
Noroxycodone	2.873	118788	1292.45	47.2	2040.03	83210	50.0111 ng/ml
O-desmethyl-tramadol	3.335	1105058	12827.27	6.1	345.04	1093485	49.5316 ng/ml
o-desmethylvenlafaxine	4.027	951156	25636.10	27.0	3212.35	208207	49.0704 ng/ml
Olanzapine	4.428	144351	573.37	59.7	811.42	74156	48.3760 ng/ml
Oxazepam	5.729	208372	677.99	69.5	121.56	226906	53.8729 ng/ml
Oxycodone	2.798	317370	508.72	28.2	415.59	261737	50.9881 ng/ml
Oxymorphone	1.386	81918	∞	45.1	151.59	55385	52.3829 ng/ml
Phentermine	3.738	271457	608.30	4.7	370.17	602603	55.5205 ng/ml
Promethazine	5.516	1061305	39765.46	30.0	2472.63	992269	49.3833 ng/ml
Pseudoephedrine	2.545	1065404	69075.41	16.4	252.65	1082265	48.0497 ng/ml
Quetiapine	5.519	671350	67141.78	61.6	581.85	210000	52.6905 ng/ml
Sertraline	5.748	364197	10270.33	89.5	19133.95	287631	50.1293 ng/ml
Temazepam	5.790	573705	42070.00	27.7	758.36	445457	47.5966 ng/ml
Tramadol	4.204	985206	1166.14	3.7	333.58	1048139	51.6212 ng/ml
Trazodone	5.102	888488	100107.55	68.6	136253.97	638492	53.6960 ng/ml
Venlafaxine	5.003	1028135	738.95	33.5	2501.71	994149	48.4510 ng/ml
Xylazine	4.042	380100	56808.51	48.7	380.25	325077	50.0595 ng/ml
Zolpidem	4.865	901547	554314.81	29.8	81057.92	740357	52.1839 ng/ml

AM #28 Multi-Drug Quant. Results



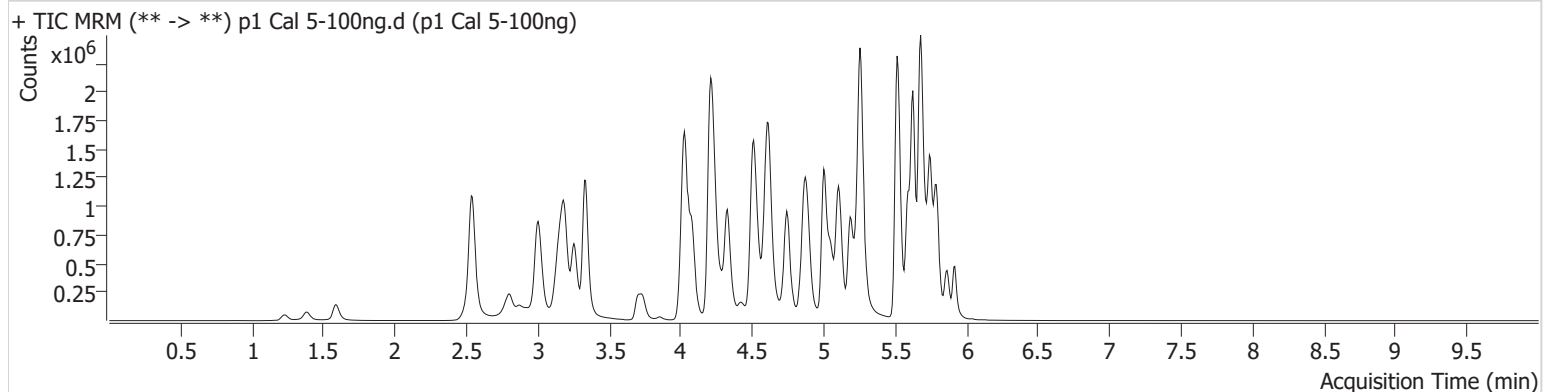
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Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-E1
Injection Volume 2
Acq. Date-Time 8/16/2024 4:45:17 AM
Sample Info.

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

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.102	19470	1123.69	69.2	16161.59	56482	10.0797 ng/ml
7-aminoclonazepam	4.230	141956	2069.81	85.0	3171.31	79180	85.4974 ng/ml
9-hydroxyrisperidone	4.617	71645	11037.03	3065.9	13644.14	890374	99.2011 ng/ml
a-hydroxyalprazolam	5.664	130361	468.43	64.2	400.66	49647	106.6407 ng/ml
alpha-PHP	4.895	371687	6198.67	259.1	26134.50	497644	103.8579 ng/ml
alpha-PVP	4.329	1380308	5747.24	51.3	610.60	497644	98.4612 ng/ml
Alprazolam	5.748	542922	887.02	106.5	427.60	197435	102.3188 ng/ml
Amphetamine	3.006	1768027	25572.76	50.2	22173.37	276481	100.2693 ng/ml
Benzoylcegonine	3.855	28656	979.86	35.0	109.46	9240	103.5921 ng/ml
Bromazolam	5.780	401142	473447.04	119.2	11729.98	102819	101.2918 ng/ml
Buprenorphine	5.751	32376	29293.40	13.1	4805.95	122596	10.6733 ng/ml
Bupropion	4.744	1443859	12650.64	62.6	962.66	490091	101.9159 ng/ml
Carisoprodol	5.696	603402	405.56	58.8	327.65	256082	98.1062 ng/ml
Citalopram	5.186	1130875	943.87	40.5	1563.06	495058	99.4489 ng/ml
Clonazepam	5.583	493533	14912.99	36.3	6027.69	72707	101.4589 ng/ml
Clonazepam	5.527	431355	6158.95	36.8	205453.57	72707	112.7167 ng/ml
Cocaine	4.230	888512	77035.75	50.7	511.44	695555	99.9880 ng/ml
Codeine	2.542	90101	479.33	100.7	1769.84	43706	106.5650 ng/ml
Cyclobenzaprine	5.593	1325790	16713.20	8.6	98.39	416011	99.1125 ng/ml
Dextromethorphan	5.236	732768	2850.60	79.7	839.08	302419	99.5871 ng/ml
Dextrorphan	4.082	413881	1170.96	212.7	2201.54	417969	99.1494 ng/ml
Diazepam	5.920	396424	596.06	91.6	445.39	179543	101.0879 ng/ml
Dihydrocodeine	2.514	280102	2151.49	63.0	1096.09	144764	106.2233 ng/ml
Diphenhydramine	5.258	3133266	37844.28	32.8	1853.89	1704516	98.6389 ng/ml
Doxylamine	4.511	2791268	975.15	98.4	4104.22	1032538	98.1914 ng/ml
Duloxetine	5.619	144141	8812.36	14.6	1445.69	70858	102.3299 ng/ml
EDDP	5.229	101843	1800.34	43.8	433.79	44699	100.9212 ng/ml
Etizolam	5.787	254039	4802.85	27.0	918.57	72707	100.9054 ng/ml
Fentanyl	5.062	132723	27995.42	76.1	204087.46	652811	9.9140 ng/ml
Fluorofentanyl	5.116	333189	5596.62	42.3	91883.92	6263	9.6242 ng/ml
Fluoxetine	5.679	1516616	1045.80	8.0	17835.74	548952	96.9108 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.989	383445	1677.35	38.6	820.26	178460	102.2527 ng/ml
Hydromorphone	1.589	250082	2319.84	76.7	785856.04	72144	101.7160 ng/ml
Hydroxyzine	5.670	1463118	62091.09	76.3	184203.66	302419	104.4696 ng/ml
Ketamine	4.007	805097	1362.39	37.7	1811.57	370587	104.2350 ng/ml
Lamotrigine	4.246	492559	25383.58	89.3	3862.16	1019937	764.2074 ng/ml
Lorazepam	5.720	199192	3847.15	49.7	115.95	162521	96.9312 ng/ml
MDA	3.160	1127620	559.49	28.3	5848.03	333496	104.2616 ng/ml
MDMA	3.255	946504	10219.08	85.9	13286.40	98784	100.1988 ng/ml
Meprobamate	4.875	292477	21960.29	27.6	2012.85	148915	101.8619 ng/ml
Methadone	5.625	2123487	2616.57	50.0	2097.16	797304	97.7769 ng/ml
Methamphetamine	3.189	1939894	4079.58	38.5	1063.17	651986	105.3315 ng/ml
Metoprolol	4.286	227999	68043.50	103.6	58922.97	1009198	103.3938 ng/ml
Mirtazapine	4.593	1845203	87229.18	51.3	15412.09	497644	103.7389 ng/ml
Mitragynine	5.198	311505	3937.13	36.4	3321.39	797304	92.5879 ng/ml
Morphine	1.233	51231	812.54	45.9	268.90	11560	101.6300 ng/ml
Norbuprenorphine	4.958	5160	8603.96	86.5	6748.19	21392	10.0999 ng/ml
Nordiazepam	5.866	485419	1179.64	56.7	823.53	142794	105.0536 ng/ml
Norfentanyl	4.042	165222	950.05	39.0	1050.74	616425	9.8396 ng/ml
Norhydrocodone	3.030	97076	652.09	40.9	180.43	57523	102.6265 ng/ml
Noroxycodone	2.873	227079	14657.67	47.6	1225.68	78692	101.1934 ng/ml
O-desmethyl-tramadol	3.335	2177840	219636.43	6.3	2579.06	1083097	98.3587 ng/ml
o-desmethylvenlafaxine	4.027	1780511	146509.97	27.4	2903.81	194868	98.0453 ng/ml
Olanzapine	4.428	283981	1165.29	59.7	1149.44	72697	96.2651 ng/ml
Oxazepam	5.722	292041	9583.29	73.5	151.32	162521	106.1814 ng/ml
Oxycodone	2.798	625188	10333.14	28.4	603.47	255321	103.2563 ng/ml
Oxymorphone	1.386	155371	518.70	45.9	∞	55985	98.5535 ng/ml
Phentermine	3.738	490230	1190.84	4.9	995.09	585582	104.2647 ng/ml
Promethazine	5.516	2032609	1356.01	30.2	912.51	940484	99.5426 ng/ml
Pseudoephedrine	2.545	2034575	62703.31	16.4	144.10	1019937	97.2336 ng/ml
Quetiapine	5.519	1290713	38810.77	59.6	17684.75	197228	109.0301 ng/ml
Sertraline	5.748	617078	23084.58	89.8	2033.26	236715	103.0955 ng/ml
Temazepam	5.796	859175	25790.11	28.1	5574.44	333620	94.6841 ng/ml
Tramadol	4.204	1851517	∞	3.8	340.95	1009198	101.2501 ng/ml
Trazodone	5.102	1755709	755.02	69.0	568.63	633542	107.7102 ng/ml
Venlafaxine	5.003	2054803	1436.68	32.5	572.54	972300	98.7850 ng/ml
Xylazine	4.042	739667	86634.75	48.6	2209.24	311723	101.3157 ng/ml
Zolpidem	4.865	1784348	1460956.55	29.3	6136.64	725093	106.1037 ng/ml

AM #28 Multi-Drug Quant. Results



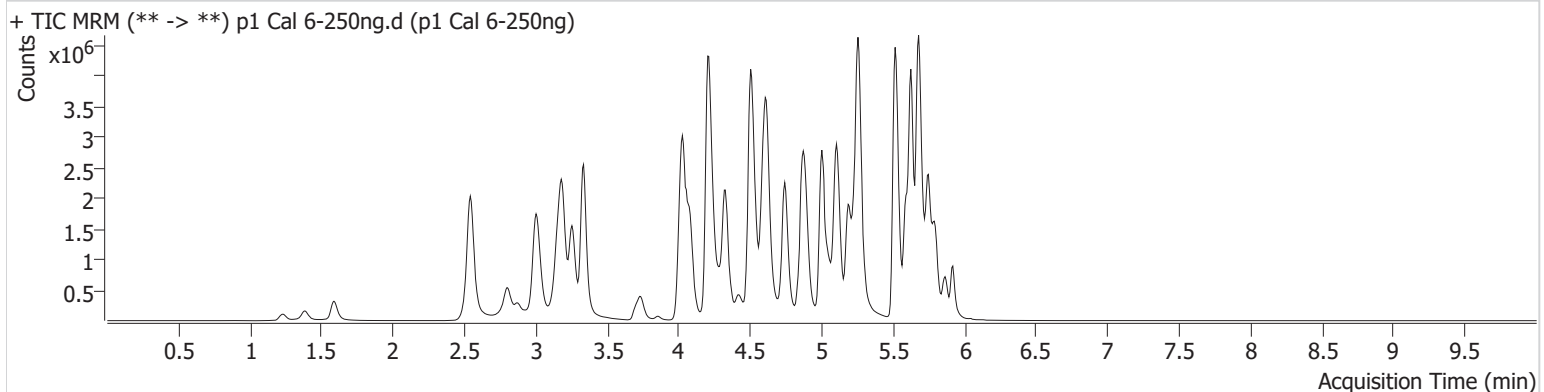
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Calibration Last Update 8/20/2024 1:58:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F1
Injection Volume 2
Acq. Date-Time 8/16/2024 4:55:56 AM
Sample Info.

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

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.102	49055	240016.37	71.5	11307.41	57750	24.8746 ng/ml
7-aminoclonazepam	4.237	170433	1456.45	77.5	1195.50	43863	187.3463 ng/ml
9-hydroxyrisperidone	4.617	173365	2428.62	3241.5	29996.89	859049	248.7759 ng/ml
a-hydroxyalprazolam	5.657	200128	115.14	63.1	157.13	33445	244.3637 ng/ml
alpha-PHP	4.895	914474	24895.19	262.3	4759.46	500610	254.8168 ng/ml
alpha-PVP	4.329	3552122	436824.48	50.8	658.14	500610	251.6908 ng/ml
Alprazolam	5.748	1055023	474.28	104.6	751.31	154264	254.9039 ng/ml
Amphetamine	3.006	3649872	289.44	50.1	33935.17	286999	201.1463 ng/ml
Benzoylcegonine	3.855	69874	1101.29	36.2	1731.31	9373	250.3199 ng/ml
Bromazolam	5.780	686276	208275.87	119.4	2864.06	71984	248.2476 ng/ml
Buprenorphine	5.751	72267	5502.05	14.8	9279.23	118623	24.7496 ng/ml
Bupropion	4.744	3781079	1638.22	61.7	12752.15	516356	253.6546 ng/ml
Carisoprodol	5.696	1026272	339.72	58.6	256.65	166679	255.2511 ng/ml
Citalopram	5.186	2687857	4004.36	40.4	978.76	470105	248.7083 ng/ml
Clonazepam	5.577	727460	7029.07	36.6	10067.34	51320	212.6014 ng/ml
Clonazepam	5.534	666555	369001.61	37.9	387397.68	51320	247.9445 ng/ml
Cocaine	4.223	1990149	516.55	50.5	45165.18	623619	249.9710 ng/ml
Codeine	2.542	190829	1671.31	99.6	4152.93	39690	250.1439 ng/ml
Cyclobenzaprine	5.593	3047204	101264.82	8.2	176.01	376602	251.3157 ng/ml
Dextromethorphan	5.236	1804161	85667.98	79.4	67638.25	295079	251.3931 ng/ml
Dextrorphan	4.082	1014164	5901.32	213.1	1593.93	403327	251.6179 ng/ml
Diazepam	5.920	866191	561.43	93.9	509.11	161030	246.6624 ng/ml
Dihydrocodeine	2.514	629538	3466.52	65.2	15556.56	147852	234.9384 ng/ml
Diphenhydramine	5.264	7604938	6600.40	33.0	750.55	1599218	254.6816 ng/ml
Doxylamine	4.504	7429198	119315.91	96.4	1627.32	1054515	255.3736 ng/ml
Duloxetine	5.619	273710	5353.16	14.8	2586.45	54789	251.6623 ng/ml
EDDP	5.229	382268	4483.31	42.9	1840.87	68359	247.6484 ng/ml
Etizolam	5.787	518089	1368.94	27.3	11439.46	51320	290.1450 ng/ml
Fentanyl	5.062	359608	8156.78	76.4	9867.70	694656	25.2321 ng/ml
Fluorofentanyl	5.116	861667	12828.10	42.2	27121.73	6448	24.0990 ng/ml
Fluoxetine	5.679	3008068	272391.99	8.0	275227.41	418939	251.3848 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.988	954726	∞	41.1	264.04	187785	242.4350 ng/ml
Hydromorphone	1.589	633492	3084283.31	76.0	7189.62	73623	252.6473 ng/ml
Hydroxyzine	5.670	3448824	124548.62	76.1	51468.38	295079	252.7717 ng/ml
Ketamine	4.007	1812728	2851.58	37.3	1597.25	362382	241.1584 ng/ml
Lamotrigine	4.246	757597	41793.48	90.5	22997.77	926469	1305.4571 ng/ml
Lorazepam	5.719	268515	13049.94	50.5	349.09	90777	235.8180 ng/ml
MDA	3.153	2253623	72391.77	28.2	74731.35	291481	239.6545 ng/ml
MDMA	3.255	2366622	53362.67	85.0	20371.07	97246	254.3586 ng/ml
Meprobamate	4.875	515404	203.20	27.5	3926.26	122427	219.7599 ng/ml
Methadone	5.625	5290863	1917.30	49.7	1098.81	762095	254.6158 ng/ml
Methamphetamine	3.189	4672539	37873.50	38.1	34224.42	708714	243.6786 ng/ml
Metoprolol	4.286	494562	286952.02	104.2	13102.27	940833	242.1103 ng/ml
Mirtazapine	4.593	4336708	167124.16	50.8	168793.62	500610	242.7158 ng/ml
Mitragynine	5.198	809137	4727.26	36.2	639.86	762095	249.9695 ng/ml
Morphine	1.233	118613	974.55	46.4	1464.16	10666	255.7010 ng/ml
Norbuprenorphine	4.958	13241	28821.03	94.5	4219.70	22053	25.4952 ng/ml
Nordiazepam	5.866	850967	1145.93	59.3	∞	110193	239.2738 ng/ml
Norfentanyl	4.048	319016	16769.81	39.6	2457.59	460247	25.3845 ng/ml
Norhydrocodone	3.030	240117	862.90	42.0	598.76	56857	256.2115 ng/ml
Noroxycodone	2.873	535162	4362.76	47.4	2298.03	75048	250.2087 ng/ml
O-desmethyl-tramadol	3.335	5678747	181806.67	6.1	465.61	1092210	254.0209 ng/ml
o-desmethylvenlafaxine	4.027	3821289	61877.42	26.6	875.76	160887	254.7072 ng/ml
Olanzapine	4.421	775372	2297.37	61.4	8121.38	76057	249.9248 ng/ml
Oxazepam	5.722	362890	85.02	69.8	14471.71	90777	237.1968 ng/ml
Oxycodone	2.798	1601067	623.85	28.6	2250.80	271293	249.2668 ng/ml
Oxymorphone	1.386	375351	362.79	46.9	∞	54374	245.5935 ng/ml
Phentermine	3.738	1079700	573.01	4.8	332.04	581652	232.7261 ng/ml
Promethazine	5.516	5066816	95571.36	29.4	631.28	917635	253.9432 ng/ml
Pseudoephedrine	2.545	4869386	100503.91	16.2	810.85	926469	255.9764 ng/ml
Quetiapine	5.519	2665550	10432.70	61.6	78077.27	190604	234.2611 ng/ml
Sertraline	5.748	1251398	89997.60	90.8	67281.05	193028	256.2351 ng/ml
Temazepam	5.796	1262332	16045.18	28.2	12180.73	185314	249.6378 ng/ml
Tramadol	4.204	4492821	1280.13	3.9	∞	940833	264.3745 ng/ml
Trazodone	5.102	4369101	149137.78	72.3	118626.10	675318	252.4993 ng/ml
Venlafaxine	5.003	5267601	256321.21	32.3	14368.73	981264	250.5964 ng/ml
Xylazine	4.042	1813288	176028.43	50.3	1684.82	306860	251.9164 ng/ml
Zolpidem	4.865	4498577	26741.30	29.1	462634.43	758721	256.5381 ng/ml

AM #28 Multi-Drug Quant. Results



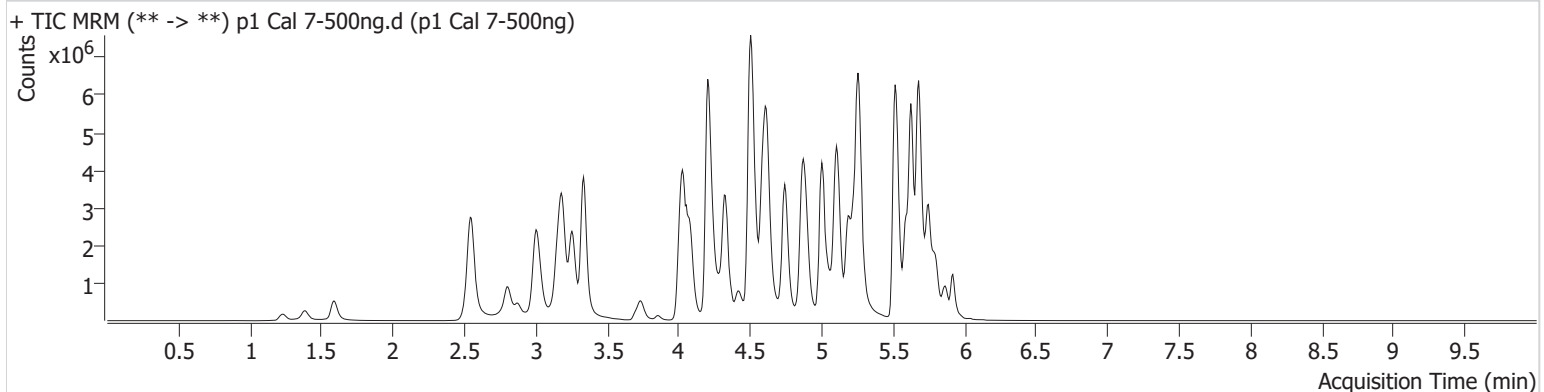
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Calibration Last Update 8/20/2024 1:58:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G1
Injection Volume 2
Acq. Date-Time 8/16/2024 5:06:34 AM
Sample Info.

Data File p1 Cal 7-500ng.d
Sample p1 Cal 7-500ng
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	3.102	83268	510.56	69.5	122089.54	47571	51.2846 ng/ml
7-aminoclonazepam	4.237	212801	1572.35	78.2	1934.75	24847	415.0525 ng/ml
9-hydroxyrisperidone	4.617	297965	1082.67	3282.6	17597.83	730109	503.0712 ng/ml
a-hydroxyalprazolam	5.657	218197	93.06	70.3	918.28	20101	444.1469 ng/ml
alpha-PHP	4.895	1458768	1168.46	262.5	80750.20	412647	493.6534 ng/ml
alpha-PVP	4.329	5943792	1389.56	51.7	1860.45	412647	510.8065 ng/ml
Alprazolam	5.748	1561771	1047.16	104.1	476.99	118042	493.3992 ng/ml
Amphetamine	3.013	5076921	130893.12	50.0	518.92	238020	338.5576 ng/ml
Benzoylcegonine	3.855	141195	7275.39	36.1	1510.99	9409	504.8611 ng/ml
Bromazolam	5.780	895512	72499.43	120.6	21509.64	47680	489.5386 ng/ml
Buprenorphine	5.751	102236	16514.58	14.5	848.72	85522	48.6592 ng/ml
Bupropion	4.744	6289570	301123.93	62.5	∞	441849	493.3020 ng/ml
Carisoprodol	5.703	1251935	323.79	60.8	191.94	99715	519.7659 ng/ml
Citalopram	5.186	4177936	∞	39.5	77989.33	356313	509.9005 ng/ml
Clonazepam	5.577	824056	9353.94	35.9	2677.21	33525	369.1603 ng/ml
Clonazolam	5.534	778162	482130.03	37.4	296588.86	33525	443.8914 ng/ml
Cocaine	4.223	3039683	6139558.86	50.9	1301.98	469875	506.8436 ng/ml
Codeine	2.549	281025	16459.69	99.3	245.48	32589	449.5967 ng/ml
Cyclobenzaprine	5.593	4484717	966.16	8.2	25079.51	272846	510.3090 ng/ml
Dextromethorphan	5.230	2858711	53247.61	78.4	133847.74	231849	507.0341 ng/ml
Dextrorphan	4.082	1637293	1439.08	214.7	2926.15	324069	505.4652 ng/ml
Diazepam	5.920	1309175	568.15	92.9	572.75	120068	500.2736 ng/ml
Dihydrocodeine	2.514	1008272	1255.98	62.8	24919.44	132178	421.6809 ng/ml
Diphenhydramine	5.264	11890807	448217.90	33.3	61115.64	1241213	512.7513 ng/ml
Doxylamine	4.504	14038033	10122.17	95.7	210687.74	975793	521.1370 ng/ml
Duloxetine	5.619	339912	2033.92	14.3	1247.48	33717	508.1035 ng/ml
EDDP	5.229	1226968	13566.82	42.0	9173.18	106499	510.1717 ng/ml
Etizolam	5.787	779571	36432.69	27.2	5036.64	33525	667.3588 ng/ml
Fentanyl	5.062	632040	24164.05	77.5	50609.16	612294	50.3053 ng/ml
Fluorofentanyl	5.116	1446653	∞	42.8	324.27	5118	50.9213 ng/ml
Fluoxetine	5.686	4041990	1196.09	7.7	389.24	270465	522.8984 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.989	1629500	∞	41.4	∞	163987	474.1647 ng/ml
Hydromorphone	1.589	1108638	16946.36	76.7	5367126.32	65161	499.6689 ng/ml
Hydroxyzine	5.670	5182355	17884.13	78.0	57119.13	231849	483.6650 ng/ml
Ketamine	4.007	2664261	118809.32	37.3	676.97	295679	435.1123 ng/ml
Lamotrigine	4.246	891767	15923.23	79.8	957.82	717277	1993.4161 ng/ml
Lorazepam	5.720	312105	18168.61	52.2	2841.41	47895	521.1140 ng/ml
MDA	3.153	3038303	92350.74	27.8	7942.04	222680	423.6652 ng/ml
MDMA	3.255	3824949	129313.78	84.9	22285.80	76401	523.1674 ng/ml
Meprobamate	4.875	637049	205.26	27.2	3374.05	91625	363.7534 ng/ml
Methadone	5.625	8254977	1481.13	49.4	1333.05	580584	521.2885 ng/ml
Methamphetamine	3.189	7460661	34386.57	37.4	50662.53	627007	446.5890 ng/ml
Metoprolol	4.286	717232	4757.87	102.8	38873.80	785497	421.4068 ng/ml
Mirtazapine	4.587	7479572	2170.21	50.5	2154.41	412647	508.1333 ng/ml
Mitragynine	5.198	1273147	3011.78	36.1	539124.90	580584	515.2666 ng/ml
Morphine	1.233	201574	2772.33	46.5	790.58	9442	491.3191 ng/ml
Norbuprenorphine	4.958	22526	48743.23	89.7	37180.61	19118	50.2609 ng/ml
Nordiazepam	5.866	1120493	34494.22	59.5	27827.86	73298	474.1247 ng/ml
Norfentanyl	4.048	425063	24511.30	39.0	1263.28	284799	54.6149 ng/ml
Norhydrocodone	3.030	400762	689.94	42.5	402.36	45686	531.7462 ng/ml
Noroxycodone	2.873	889211	2598.05	46.8	5213.67	63852	488.7289 ng/ml
O-desmethyl-tramadol	3.335	9530528	2487.92	6.1	18297.55	910387	511.2646 ng/ml
o-desmethylvenlafaxine	4.027	5425642	87699.74	26.5	652.53	114706	507.1464 ng/ml
Olanzapine	4.421	1444053	5097.92	61.8	998.03	69837	506.0791 ng/ml
Oxazepam	5.722	356026	92.01	72.1	8242.54	47895	441.7520 ng/ml
Oxycodone	2.798	2830190	1533.91	28.4	668.72	242539	493.1424 ng/ml
Oxymorphone	1.386	693747	∞	43.3	∞	47774	516.9730 ng/ml
Phentermine	3.738	1632652	13300.22	4.7	250.52	500271	410.1183 ng/ml
Promethazine	5.516	7972087	255229.49	29.2	1514.37	699148	524.1592 ng/ml
Pseudoephedrine	2.552	7450166	137.57	16.1	130.48	717277	505.7401 ng/ml
Quetiapine	5.519	4181904	37831.01	60.2	92902.53	164589	426.5286 ng/ml
Sertraline	5.748	1654536	108393.89	88.7	21871.24	126720	515.9475 ng/ml
Temazepam	5.803	1385082	67407.09	28.1	376.41	94095	538.8816 ng/ml
Tramadol	4.204	6867066	1934.53	3.6	165.99	785497	484.4244 ng/ml
Trazodone	5.102	7190700	134447.89	73.2	167990.25	593646	473.4190 ng/ml
Venlafaxine	5.003	8802929	∞	31.9	1176.91	784536	523.5617 ng/ml
Xylazine	4.042	2945772	206858.82	50.7	13674.47	248281	505.5410 ng/ml
Zolpidem	4.865	7624142	277796.11	28.5	113168.75	675148	489.1702 ng/ml

AM #28 Multi-Drug Quant. Results



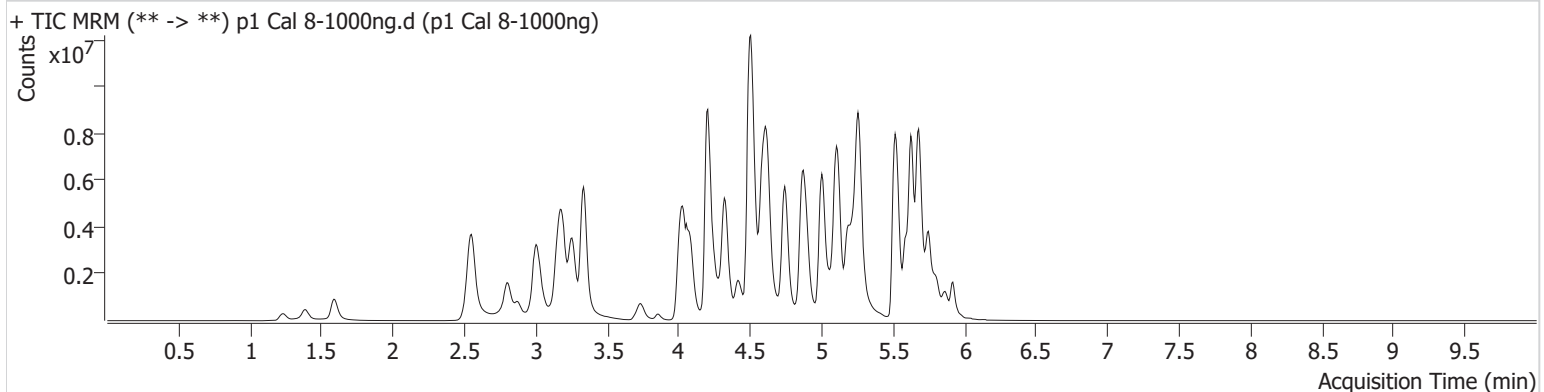
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Calibration Last Update 8/20/2024 1:58:44 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-H1
Injection Volume 2
Acq. Date-Time 8/16/2024 5:17:12 AM
Sample Info.

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

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.102	151673	5210.44	70.3	466.95	44263	100.4183 ng/ml
7-aminoclonazepam	4.244	226164	2637.44	77.8	1686.35	7846	1401.0809 ng/ml
9-hydroxyrisperidone	4.617	498985	220897.00	3253.7	23273.10	591335	1040.1577 ng/ml
a-hydroxyalprazolam	5.657	238428	133.20	63.3	371.16	11512	848.3986 ng/ml
alpha-PHP	4.895	2264983	10706.51	262.6	39980.79	347299	911.1734 ng/ml
alpha-PVP	4.322	10008534	1834.91	51.2	7429.68	347299	1021.8499 ng/ml
Alprazolam	5.748	2189113	678.91	106.7	672.00	86484	944.2242 ng/ml
Amphetamine	3.013	6814916	303.03	50.2	66661.46	220924	490.4081 ng/ml
Benzoylcegonine	3.855	301995	123544.96	36.3	16398.91	9925	1024.6500 ng/ml
Bromazolam	5.780	1109364	13645.80	116.9	22622.98	29542	979.3002 ng/ml
Buprenorphine	5.751	134246	2307.00	13.9	28443.96	57068	95.8451 ng/ml
Bupropion	4.744	10887525	2997.13	61.2	514406.63	390974	965.2622 ng/ml
Carisoprodol	5.703	1447559	24745.61	59.6	138.28	54205	1104.7928 ng/ml
Citalopram	5.179	6023982	261869.22	39.1	255113.26	255286	1026.0158 ng/ml
Clonazepam	5.577	778899	6645.72	36.9	3372.37	19390	603.7292 ng/ml
Clonazolam	5.540	836900	130.61	37.4	7916.78	19390	826.2784 ng/ml
Cocaine	4.223	4477889	156508.15	50.4	66515.90	351469	998.3064 ng/ml
Codeine	2.548	413694	5062.29	101.1	182.34	26090	827.7293 ng/ml
Cyclobenzaprine	5.593	6289829	96235.39	7.9	16008.15	183201	1065.6943 ng/ml
Dextromethorphan	5.230	4331721	157921.66	77.9	2053.36	177860	1001.5719 ng/ml
Dextrorphan	4.082	2545500	144859.18	214.8	2707.26	249636	1020.0573 ng/ml
Diazepam	5.920	1914904	288.76	92.5	368.97	89460	982.3645 ng/ml
Dihydrocodeine	2.514	1582646	∞	66.0	15020.99	129382	676.7970 ng/ml
Diphenhydramine	5.264	18139742	85223.38	33.3	∞	936687	1036.2035 ng/ml
Doxylamine	4.507	24176531	2768.06	97.2	2512.22	882623	991.9567 ng/ml
Duloxetine	5.619	334992	5971.99	14.7	15410.96	17504	964.8184 ng/ml
EDDP	5.229	1817939	920.39	42.5	2923.97	81990	981.8296 ng/ml
Etizolam	5.787	1109138	32437.04	27.2	1314.16	19390	1640.5885 ng/ml
Fentanyl	5.062	1210076	348.99	77.8	53665.48	585759	100.6679 ng/ml
Fluorofentanyl	5.123	2503141	157878.43	43.4	28754.52	3782	119.1617 ng/ml
Fluoxetine	5.686	4803232	323.43	7.8	779.86	156493	1073.6022 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	2.988	3061490	∞	39.6	∞	158096	924.3875 ng/ml
Hydromorphone	1.589	2074127	8054816.53	76.5	1647614.77	61064	997.6351 ng/ml
Hydroxyzine	5.670	7603694	285831.66	78.0	157302.32	177860	925.3126 ng/ml
Ketamine	4.001	3542893	223946.33	38.9	1004.79	247273	692.3952 ng/ml
Lamotrigine	4.246	818989	17443.51	91.3	17230.74	533568	2464.9383 ng/ml
Lorazepam	5.719	409155	59285.06	51.0	14624.90	25120	1304.5373 ng/ml
MDA	3.147	4078436	272.03	27.6	31445.28	172062	736.7213 ng/ml
MDMA	3.255	5848497	842.89	85.2	4339.66	63298	965.4507 ng/ml
Meprobamate	4.875	682802	6046.74	27.2	3785.21	63663	561.7954 ng/ml
Methadone	5.625	12681673	1589.20	50.8	1142.31	451806	1028.9289 ng/ml
Methamphetamine	3.182	11687165	409.62	37.2	343.44	583797	757.1336 ng/ml
Metoprolol	4.286	1005306	879947.68	105.4	83759.27	658206	705.6730 ng/ml
Mirtazapine	4.586	11817565	62671.48	50.1	240316.80	347299	954.1318 ng/ml
Mitragynine	5.198	2109833	4460.40	37.7	15547.59	451806	1096.1949 ng/ml
Morphine	1.233	357686	∞	50.1	12358.76	8822	933.4768 ng/ml
Norbuprenorphine	4.958	41831	36370.81	90.9	177.97	18063	99.0189 ng/ml
Nordiazepam	5.866	1487566	446.46	57.3	10875.71	48365	954.4400 ng/ml
Norfentanyl	4.048	469790	19563.34	39.0	595.36	135601	126.7255 ng/ml
Norhydrocodone	3.030	682981	2801.34	38.2	63.13	36484	1134.3256 ng/ml
Noroxycodone	2.873	1552532	1649.21	47.1	865.06	54423	1001.2426 ng/ml
O-desmethyl-tramadol	3.335	16255412	∞	6.2	2164.22	785622	1010.3149 ng/ml
o-desmethylvenlafaxine	4.020	6903699	51943.73	26.5	71068.25	73306	1009.6426 ng/ml
Olanzapine	4.414	3299439	9556.33	62.0	1856.61	74493	1083.1259 ng/ml
Oxazepam	5.722	398646	6332.01	70.7	1757.07	25120	943.9980 ng/ml
Oxycodone	2.798	5430829	2124.98	28.3	320.86	234776	977.8572 ng/ml
Oxymorphone	1.386	1294139	5231.10	45.2	∞	48991	940.6588 ng/ml
Phentermine	3.738	2514927	1584.97	4.8	6145.41	459888	688.0718 ng/ml
Promethazine	5.509	11807161	990.94	29.8	103845.65	539820	1005.2217 ng/ml
Pseudoephedrine	2.552	11706823	170.50	16.1	150.77	533568	1068.1670 ng/ml
Quetiapine	5.519	5679448	14407.24	60.6	36044.13	145591	655.4571 ng/ml
Sertraline	5.748	1715849	70494.49	98.3	264.98	73561	921.6525 ng/ml
Temazepam	5.803	1482244	37005.14	28.9	2660.72	49575	1094.0696 ng/ml
Tramadol	4.197	10425338	∞	3.6	211.97	658206	878.0850 ng/ml
Trazodone	5.102	12109735	212365.93	74.4	150392.08	561126	844.0934 ng/ml
Venlafaxine	5.003	14703131	∞	32.0	280384.59	664102	1032.8588 ng/ml
Xylazine	4.035	4951467	103189.80	50.6	61884.39	210317	1002.8790 ng/ml
Zolpidem	4.865	12900090	1039.34	28.3	6918.15	652880	856.3843 ng/ml