

CS

REVIEWED
By Sarah Collins at 11:09 am, Mar 18, 2021

Worklist: 4841

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-4046	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0606	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0686	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0760	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0763	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0883	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0886	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0916	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0932	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0938	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0957	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0570	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0571	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0572	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0573	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0585	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0586	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0598	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0599	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0600	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0602	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 4841

CS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-0610	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2021-0645	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 03/12/2021

Analyst: Celena Shrum

Plate lot#: 201207

Plate Expiration: 06/07/2021

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20724

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

LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate.
Pipette ID: #42
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right)
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. **Urine samples add 50 ul 1% HCl in MeOH**. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

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: alpha-hydroxyalprazolam 5-250, Codeine 5-500, Dihydrocodeine 5-500, Lamotrigine 5-250, Levetiracetam 5-500, Lorazepam 5-100, Meprobamate 5-250, Phentermine 5-500, and Trazodone 5-500.

A surrogate ISTD was used for alpha-hydroxyalprazolam and hydromorphone and as such these compounds will be called qualitatively only.

P2021-0599-1, P2021-0600-1, P2021-0602-1. P2021-0610-1, and P2021-0645-1 reinjected due to low ISTD responses.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2021-0686-1	M2021-0957-2	P2021-0599-1							
B	IS + Cal. 2	IS + QC_2	M2021-0760-1	P2021-0570-1	P2021-0600-1							
C	IS + Cal. 3	IS + QC_3	M2021-0763-1	P2021-0571-1	P2021-0602-1							
D	IS + Cal. 4	IS + QC_4	M2021-0883-3	P2021-0572-1	P2021-0610-1							
E	IS + Cal. 5	IS + QC_2	M2021-0886-2	P2021-0573-1	P2021-0645-1							
F	IS + Cal. 6	NEG Blood	M2021-0916-2	P2021-0585-1								
G	IS + Cal. 7	M2020-4046-2	M2021-0932-2	P2021-0586-1								
H	IS + Cal. 8	M2021-0606-2	M2021-0938-3	P2021-0598-1								

All wells to contain 60 µl of Trapping Solution

This plate map is designating the positions of the samples on the SLE and sample plate. The positions of the samples on the analytical plate were slightly different. On the analytical plate, the positions for the samples were the same except for the following: P2021-0599 (F6), P2021-0600 (G6), P2021-0602 (H6), P2021-0610 (A7), and P2021-0645 (B7). 2

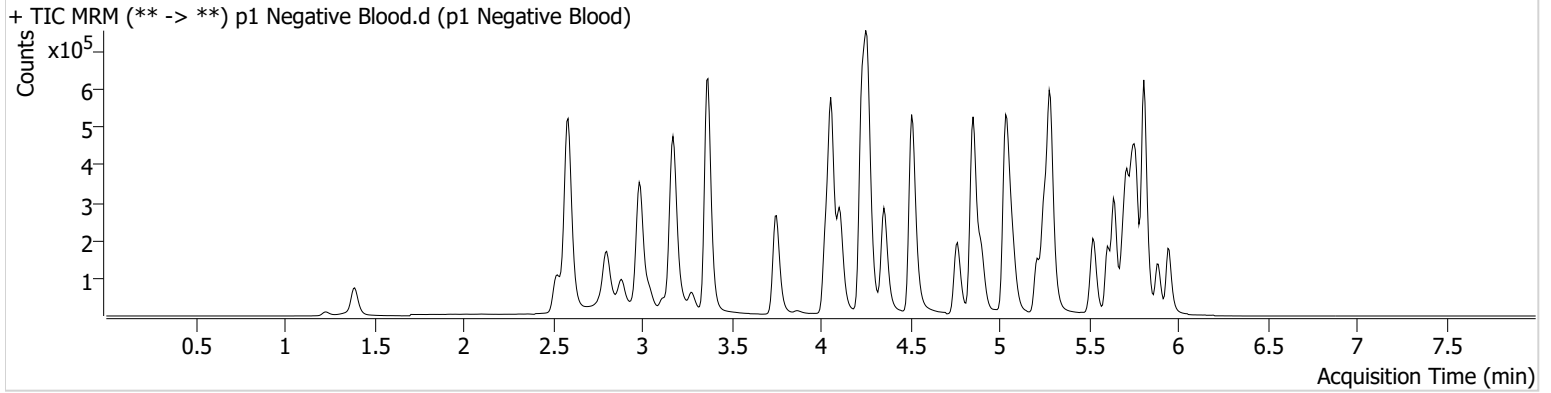
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Calibration Last Update 3/15/2021 1:10:48 PM

Instrument	Instrument 1	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	3/12/2021 10:21:07 PM		
Sample Info.			

Sample Chromatogram



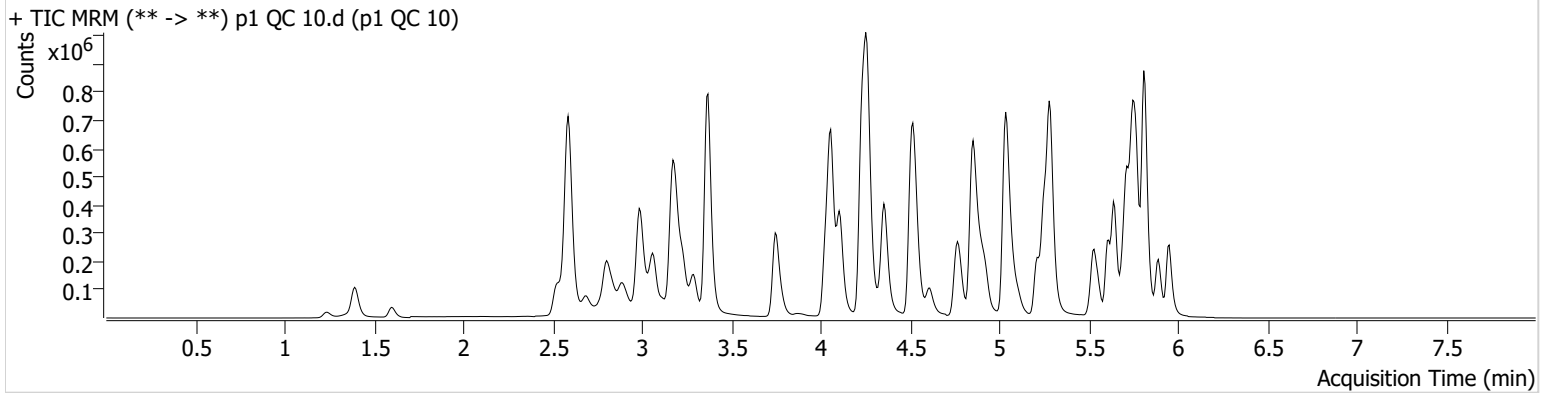
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Calibration Last Update 3/15/2021 1:10:48 PM

Instrument	Instrument 1	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	3/12/2021 9:06:44 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	3346	127.42	77.6	309.88	89165	0.9404 ng/ml
7-aminoclonazepam	4.271	51694	570.27	78.7	59.95	189714	9.9006 ng/ml
a-hydroxyalprazolam	5.692	41304	1263.22	55.9	206.11	504781	11.4439 ng/ml
alpha-PHP	4.930	46317	464.38	264.8	1610.54	784588	10.0047 ng/ml
alpha-PVP	4.363	176512	687.26	53.1	2241.41	784588	9.9301 ng/ml
Alprazolam	5.775	131917	662.15	115.8	2892.14	504781	9.8099 ng/ml
Amphetamine	3.069	345005	469.20	49.8	1226.66	369166	10.2711 ng/ml
Benzoylecgonine	3.899	4722	193.11	7.7	19.15	16193	9.6750 ng/ml
Buprenorphine	5.738	2257	102.70	16.1	344.64	82623	1.0148 ng/ml
Bupropion	4.781	160926	5241.35	60.8	1732.92	590820	9.9123 ng/ml
Carisoprodol	5.724	133104	290.91	53.5	776.98	666628	9.8605 ng/ml
Citalopram	5.212	82707	2859.40	43.2	463.51	394535	9.6344 ng/ml
Clonazepam	5.612	171893	676.63	32.4	787.94	198228	10.4691 ng/ml
Clonazepam	5.555	103555	4678.56	38.3	37321.57	198228	9.4967 ng/ml
Cocaine	4.257	145209	542.73	51.8	3112.52	1390407	9.8685 ng/ml
Codeine	2.573	18590	523.43	101.7	617.73	92431	10.4330 ng/ml
Cyclobenzaprine	5.615	27006	563.33	9.2	18.93	114302	9.8121 ng/ml
Dextromethorphan	5.262	39169	682.72	80.0	329.38	191349	9.7927 ng/ml
Dextrophan	4.111	53762	630.70	205.6	6187.78	652920	9.9159 ng/ml
Diazepam	5.953	85929	429.93	87.1	5436.44	403538	9.9892 ng/ml
Dihydrocodeine	2.552	46145	4125.83	62.9	255.71	269872	10.1290 ng/ml
Diphenhydramine	5.289	217172	529.21	33.5	2118.63	1364009	9.5302 ng/ml
Doxylamine	4.529	364919	3071.06	99.3	1764.65	1602530	9.8160 ng/ml
EDDP	5.254	119083	1827.88	42.3	1212.20	619737	9.6997 ng/ml
Etizolam	5.813	75566	57251.15	25.2	22901.02	198228	9.5468 ng/ml
Fentanyl	5.095	3560	35.85	73.6	3994.54	179119	0.9711 ng/ml
Flualprazolam	5.705	62766	2039.16	94.9	7931.14	504781	10.0066 ng/ml
Fluoxetine	5.700	28015	176.10	8.9	7214.31	112033	10.8113 ng/ml
Hydrocodone	3.012	70091	932.92	38.3	89.98	820539	10.0245 ng/ml
Hydromorphone	1.601	63390	1101.39	74.6	2251.46	12193	10.3654 ng/ml
Ketamine	4.044	135762	20113.22	37.3	1031.27	653421	9.8333 ng/ml
Lamotrigine	4.273	13095	216.17	76.8	584.35	653421	10.5989 ng/ml
Levetiracetam	2.690	54235	378.68	162.3	1025.44	1754553	10.0457 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	154857	884.86	55.8	201.67	198228	10.7796 ng/ml
MDA	3.203	234055	2302.94	25.4	26.04	620789	10.2467 ng/ml
MDMA	3.290	136567	1002.10	79.1	676.53	133883	9.9711 ng/ml
Meprobamate	4.924	84734	8236.96	27.0	859.66	370132	10.2932 ng/ml
Methadone	5.646	130806	1029.08	45.2	262.22	622779	9.4926 ng/ml
Methamphetamine	3.231	284439	737.40	38.3	508.83	968964	10.6184 ng/ml
Metoprolol	4.326	34549	1947.71	90.9	837.21	1658031	9.8362 ng/ml
Mirtazapine	4.610	149056	1777.25	47.0	1112.71	784588	9.6107 ng/ml
Mitragynine	5.223	17870	152.19	39.8	206.10	622779	9.6221 ng/ml
Morphine	1.240	9468	381.63	27.6	23.98	12193	10.1165 ng/ml
Norbuprenorphine	4.986	340	390.42	103.6	221.93	13928	0.9983 ng/ml
Nordiazepam	5.900	84448	3357.29	59.7	449.80	293855	9.6750 ng/ml
Norfentanyl	4.079	30654	328.41	35.4	112.77	1389530	0.9484 ng/ml
Norhydrocodone	3.066	11296	133.22	42.1	75.63	113415	9.2791 ng/ml
Noroxycodone	2.909	82421	790.82	41.6	113.26	289383	9.9605 ng/ml
O-desmethyl-tramadol	3.369	285783	3993.16	7.0	775.98	1814926	9.5134 ng/ml
Oxazepam	5.749	181144	1894.62	72.9	277.89	725290	9.8289 ng/ml
Oxycodone	2.834	147732	557.27	26.2	459.26	636462	10.0426 ng/ml
Oxymorphone	1.398	73755	503.94	41.9	506.22	259199	10.3893 ng/ml
Phentermine	3.783	71734	315.94	4.6	64.06	826143	10.1112 ng/ml
Promethazine	5.532	61152	490.96	27.6	118.21	255616	10.2844 ng/ml
Pseudoephedrine	2.596	350306	652.22	16.9	3327.58	1754553	9.4729 ng/ml
Quetiapine	5.528	96856	755.13	57.3	256671.01	135248	10.0437 ng/ml
Sertraline	5.769	13484	129.79	101.4	152.52	62102	10.5948 ng/ml
Temazepam	5.816	287417	3383.29	28.9	173.16	1432567	9.5695 ng/ml
Tramadol	4.246	316197	636.88	3.7	142.35	1658031	9.7153 ng/ml
Trazodone	5.108	69355	94.60	78.1	4267.64	294739	9.6780 ng/ml
Venlafaxine	5.037	267773	673.20	41.1	398.31	1439266	9.5174 ng/ml
Zolpidem	4.874	308624	13903.64	31.8	630.57	1536924	9.6538 ng/ml



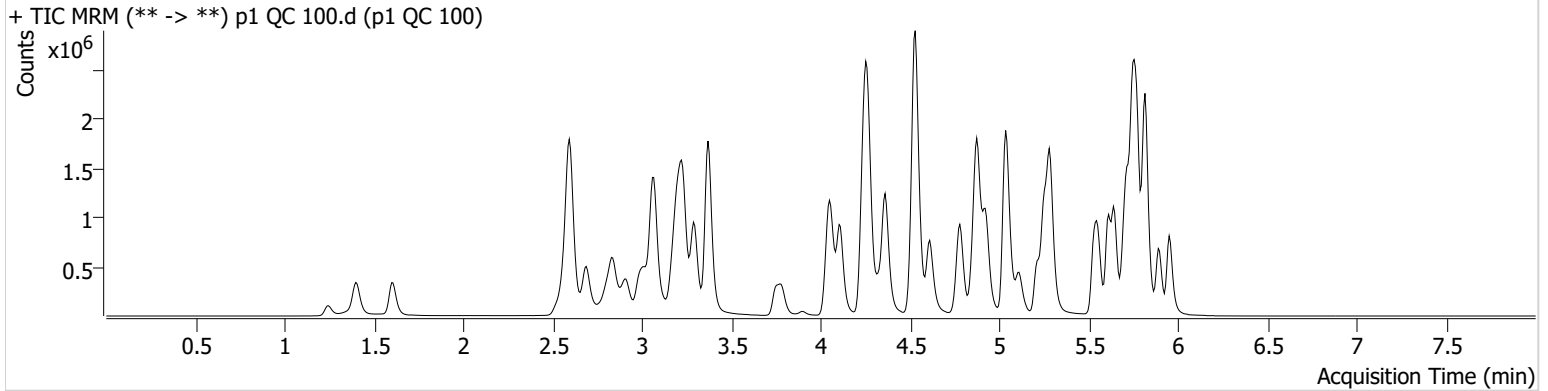
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Calibration Last Update 3/15/2021 1:10:48 PM

Instrument Instrument 1
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B2
Injection Volume 2
Acq. Date-Time 3/13/2021 5:25:48 AM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	35185	72776.81	68.5	16300.27	87782	10.3544 ng/ml
7-aminoclonazepam	4.271	479376	558.94	82.6	6884.59	173684	96.5650 ng/ml
a-hydroxyalprazolam	5.692	316457	1294.14	59.2	2606.90	425287	110.5686 ng/ml
alpha-PHP	4.930	417403	1983.78	264.6	36674.84	710491	102.7021 ng/ml
alpha-PVP	4.363	1655816	1176.46	52.3	20382.92	710491	102.3164 ng/ml
Alprazolam	5.775	1223718	1045.67	115.2	1382.29	425287	105.5715 ng/ml
Amphetamine	3.069	2845680	2631.04	49.4	779.03	314162	110.6711 ng/ml
Benzoylecgonine	3.899	43204	221.74	8.3	60.70	15490	102.3745 ng/ml
Buprenorphine	5.744	14630	8639.20	15.8	64.74	57600	9.5121 ng/ml
Bupropion	4.781	1410471	840.14	60.6	2746.82	499478	102.1055 ng/ml
Carisoprodol	5.724	1077125	32862.91	54.0	∞	515617	99.1746 ng/ml
Citalopram	5.212	672949	673.12	44.2	1026.20	303676	100.6391 ng/ml
Clonazepam	5.612	1484827	17750.52	32.8	1369.71	169481	109.5632 ng/ml
Clonazepam	5.555	959258	26498.27	37.1	490316.98	169481	100.7319 ng/ml
Cocaine	4.257	1389143	2088749.26	52.1	765.28	1261226	102.4463 ng/ml
Codeine	2.580	167128	672.38	103.7	5619.90	84729	109.0458 ng/ml
Cyclobenzaprine	5.615	121510	276654.56	9.2	52.50	49635	99.1852 ng/ml
Dextromethorphan	5.262	290920	72883.49	79.3	2373.56	134637	102.4542 ng/ml
Dextrophan	4.111	507051	1685.58	209.4	378.62	585665	103.7774 ng/ml
Diazepam	5.953	766005	6849.63	88.1	29259.57	352560	102.2586 ng/ml
Dihydrocodeine	2.559	454586	4574.35	62.6	350.11	261059	109.4705 ng/ml
Diphenhydramine	5.289	1808211	76728.81	33.2	10289.92	1063011	98.7280 ng/ml
Doxylamine	4.529	3707140	16919.03	98.4	148026.38	1539823	105.4226 ng/ml
EDDP	5.254	1152305	21051.61	42.4	384.45	577152	100.6562 ng/ml
Etizolam	5.813	667754	2833.44	25.0	206870.12	169481	91.3187 ng/ml
Fentanyl	5.095	22371	667.21	73.8	46853.26	108768	9.7350 ng/ml
Flualprazolam	5.698	550818	20648.79	99.0	97793.57	425287	104.8403 ng/ml
Fluoxetine	5.700	67941	26825.34	8.4	16127.59	31520	92.1099 ng/ml
Hydrocodone	3.012	679965	∞	36.8	755.46	780638	109.2925 ng/ml
Hydromorphone	1.608	608712	599.82	74.5	1934063.42	11458	108.1811 ng/ml
Ketamine	4.044	1318345	41840.95	38.0	4985.54	618141	103.8950 ng/ml
Lamotrigine	4.273	111182	1956.04	81.9	4355.14	618141	102.1565 ng/ml
Levetiracetam	2.690	510292	668.92	163.1	6915.49	1565209	104.5433 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1045243	10143.62	56.8	1084.57	169481	93.3518 ng/ml
MDA	3.203	1886931	8145.25	24.9	387.42	521157	109.2062 ng/ml
MDMA	3.290	1302461	744937.65	79.0	5457.59	123208	103.9161 ng/ml
Meprobamate	4.924	679373	14530.49	27.0	11355.30	316037	102.2098 ng/ml
Methadone	5.646	1052156	430469.55	43.9	7779.82	460066	100.8683 ng/ml
Methamphetamine	3.231	2395256	11280.77	38.8	3305.30	914770	109.6151 ng/ml
Metoprolol	4.326	333007	8668.20	89.4	461.52	1522125	108.4044 ng/ml
Mirtazapine	4.610	1257004	14111.14	47.7	777.70	710491	90.3732 ng/ml
Mitragynine	5.223	121861	20684.29	39.1	17252.99	460066	86.4490 ng/ml
Morphine	1.247	91760	944.91	26.7	345.65	11458	104.4373 ng/ml
Norbuprenorphine	4.986	2383	968.36	93.4	566.84	10801	10.8192 ng/ml
Nordiazepam	5.900	763509	4030.76	58.6	2206.12	256947	101.5691 ng/ml
Norfentanyl	4.079	295583	32282.86	34.3	618.17	1233792	9.6336 ng/ml
Norhydrocodone	3.059	91095	250.48	42.5	129.59	85486	92.9819 ng/ml
Noroxycodone	2.909	740712	6047.14	42.8	446.82	254190	103.0930 ng/ml
O-desmethyl-tramadol	3.369	2853847	40678.79	6.8	636.02	1695563	100.7516 ng/ml
Oxazepam	5.749	1406757	10237.02	73.3	11348.48	529210	108.0789 ng/ml
Oxycodone	2.834	1466149	1974.60	26.9	3881.05	611089	105.3692 ng/ml
Oxymorphone	1.398	665340	4503.31	42.8	∞	231155	107.8023 ng/ml
Phentermine	3.783	649774	679.66	4.7	355.39	759395	106.7916 ng/ml
Promethazine	5.532	270425	3099.26	27.2	1322.81	112478	101.9153 ng/ml
Pseudoephedrine	2.603	3321720	49783.97	16.4	21797.83	1565209	96.8167 ng/ml
Quetiapine	5.528	865167	661.02	58.2	15204.60	115136	106.8615 ng/ml
Sertraline	5.769	23547	115.00	102.0	161.04	12596	90.0176 ng/ml
Temazepam	5.816	2429223	42750.77	28.3	558.96	1099667	102.1063 ng/ml
Tramadol	4.246	3081217	1634.16	3.6	1942.10	1522125	106.8616 ng/ml
Trazodone	5.108	564686	14511.69	77.7	501807.30	223211	97.0418 ng/ml
Venlafaxine	5.037	2649805	1612.04	40.4	2632.60	1306776	101.0035 ng/ml
Zolpidem	4.874	3106703	43961.58	30.9	24847.34	1467077	105.6524 ng/ml

AM #28 Multi-Drug Quant. Results

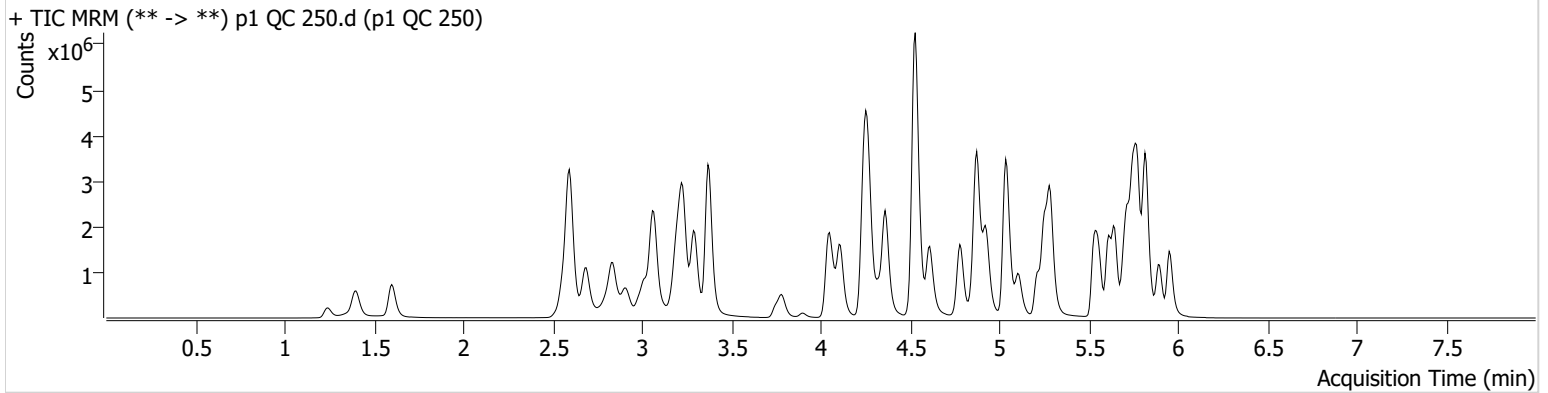


Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Calibration Last Update 3/15/2021 1:10:48 PM

Instrument Instrument 1
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C2
Injection Volume 2
Acq. Date-Time 3/12/2021 9:27:59 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	84581	2777.03	71.9	3185.73	87662	24.9701 ng/ml
7-aminoclonazepam	4.278	956357	14175.03	80.9	9959.29	140676	237.2537 ng/ml
a-hydroxyalprazolam	5.692	527948	2139.00	59.8	1028.01	361620	217.7122 ng/ml
alpha-PHP	4.930	844673	39320.49	269.9	16690.03	627744	235.6800 ng/ml
alpha-PVP	4.363	3532185	409.02	52.4	17158.72	627744	246.9486 ng/ml
Alprazolam	5.775	2500646	∞	115.1	35129.32	361620	253.3740 ng/ml
Amphetamine	3.069	4828252	1007.22	49.9	1752.62	250016	237.4006 ng/ml
Benzoylecgonine	3.899	112407	6198.16	7.9	425.41	16097	258.0236 ng/ml
Buprenorphine	5.738	27060	500.02	14.7	6068.86	41338	24.5282 ng/ml
Bupropion	4.781	2600384	1334.71	60.7	1296.84	389029	241.5926 ng/ml
Carisoprodol	5.724	1966798	352120.91	53.9	4671.21	375384	248.1044 ng/ml
Citalopram	5.212	1378025	887.54	43.3	1485.39	261180	239.4399 ng/ml
Clonazepam	5.612	2823350	66910.55	32.2	27451.74	137715	256.9433 ng/ml
Clonazepam	5.555	1972262	22004.69	36.7	39223.69	137715	254.5439 ng/ml
Cocaine	4.257	3011501	154915.56	51.7	3746.93	1113481	251.3120 ng/ml
Codeine	2.573	332906	2281.38	102.0	1577.60	79723	231.7036 ng/ml
Cyclobenzaprine	5.615	340650	1778.45	8.8	148.75	56920	242.0908 ng/ml
Dextromethorphan	5.262	580210	295.06	80.0	1830.78	113850	241.5122 ng/ml
Dextrophan	4.111	1074849	77713.61	208.0	1554.15	519960	247.7167 ng/ml
Diazepam	5.953	1612550	522.84	87.9	∞	309777	245.0500 ng/ml
Dihydrocodeine	2.552	1018500	395.66	63.5	1745.52	265561	241.9380 ng/ml
Diphenhydramine	5.289	3661536	87027.90	33.0	1146.46	893685	237.3480 ng/ml
Doxylamine	4.529	8578224	166634.90	98.2	146784.64	1452538	258.8537 ng/ml
EDDP	5.254	2573849	79393.06	42.7	16245.93	534318	242.8351 ng/ml
Etizolam	5.813	1451153	4264.42	25.0	422893.07	137715	242.9097 ng/ml
Fentanyl	5.095	50015	3842.86	71.0	87367.37	97882	24.1346 ng/ml
Flualprazolam	5.705	1109872	6153.35	102.3	36349.83	361620	248.5298 ng/ml
Fluoxetine	5.700	196231	311.90	8.5	785.92	37215	225.1211 ng/ml
Hydrocodone	3.012	1465467	∞	38.5	249.51	767935	240.3607 ng/ml
Hydromorphone	1.601	1357742	5367997.35	75.2	3833.54	11204	247.0899 ng/ml
Ketamine	4.044	2889473	106597.54	37.9	3094.86	567021	248.6840 ng/ml
Lamotrigine	4.280	211695	4562.70	82.8	1801.60	567021	212.9955 ng/ml
Levetiracetam	2.690	1174704	1075.85	161.9	3136.93	1374926	273.7286 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1366623	13725.00	54.4	3190.97	137715	150.9372 ng/ml *
MDA	3.203	3198455	4749.64	24.7	234.04	397002	244.5393 ng/ml
MDMA	3.296	2774050	184142.02	79.2	6274.97	108029	252.5131 ng/ml
Meprobamate	4.924	1292834	50771.12	26.8	6920.19	275472	223.9287 ng/ml
Methadone	5.646	2153647	2843.11	45.7	1234.61	401707	236.1224 ng/ml
Methamphetamine	3.231	5005618	4598.14	37.6	2136.41	835438	253.2506 ng/ml
Metoprolol	4.326	715886	129700.08	89.6	2863.72	1390237	255.8829 ng/ml
Mirtazapine	4.610	2599369	2088.26	47.3	6352.12	627744	211.6586 ng/ml
Mitragynine	5.223	249746	424074.85	39.8	665.36	401707	202.5227 ng/ml
Morphine	1.240	210490	657.80	27.4	142.14	11204	245.0213 ng/ml
Norbuprenorphine	4.986	4385	152.56	96.4	109.75	8625	25.2138 ng/ml
Nordiazepam	5.900	1513625	519.70	59.3	825.30	213173	242.9326 ng/ml
Norfentanyl	4.079	658895	1284.98	33.7	3469.41	1086075	24.2919 ng/ml
Norhydrocodone	3.059	183915	∞	42.5	177.83	66724	239.4806 ng/ml
Noroxycodone	2.909	1434502	3989.33	43.0	600.29	208855	243.1670 ng/ml
O-desmethyl-tramadol	3.369	6953879	80403.96	6.6	1443.46	1658474	250.8441 ng/ml
Oxazepam	5.749	2089750	5575.85	75.5	28565.63	338330	251.6087 ng/ml
Oxycodone	2.834	3403443	1221.02	27.0	1878.50	602668	248.2431 ng/ml
Oxymorphone	1.398	1421590	∞	42.2	∞	208757	255.4540 ng/ml
Phentermine	3.783	1274212	495.41	4.5	289.67	678698	235.2837 ng/ml
Promethazine	5.532	720285	3081.93	28.6	1754.38	126732	240.7064 ng/ml
Pseudoephedrine	2.596	7252774	146047.11	16.2	138867.37	1374926	240.0513 ng/ml
Quetiapine	5.528	1799307	61525.77	58.9	∞	102291	250.3583 ng/ml
Sertraline	5.762	84522	752.28	97.1	17138.07	16919	240.3117 ng/ml
Temazepam	5.823	4506641	3510.94	27.8	8389.99	847734	245.2616 ng/ml
Tramadol	4.246	6782655	1803.26	3.6	377.23	1390237	258.0974 ng/ml
Trazodone	5.108	1236200	2745.90	79.0	236409.70	189901	248.5757 ng/ml
Venlafaxine	5.037	5903493	2530.08	39.3	17383.75	1178652	249.0818 ng/ml
Zolpidem	4.874	7131433	4070.74	30.1	2288.03	1375367	259.2806 ng/ml

*Outside curve range.

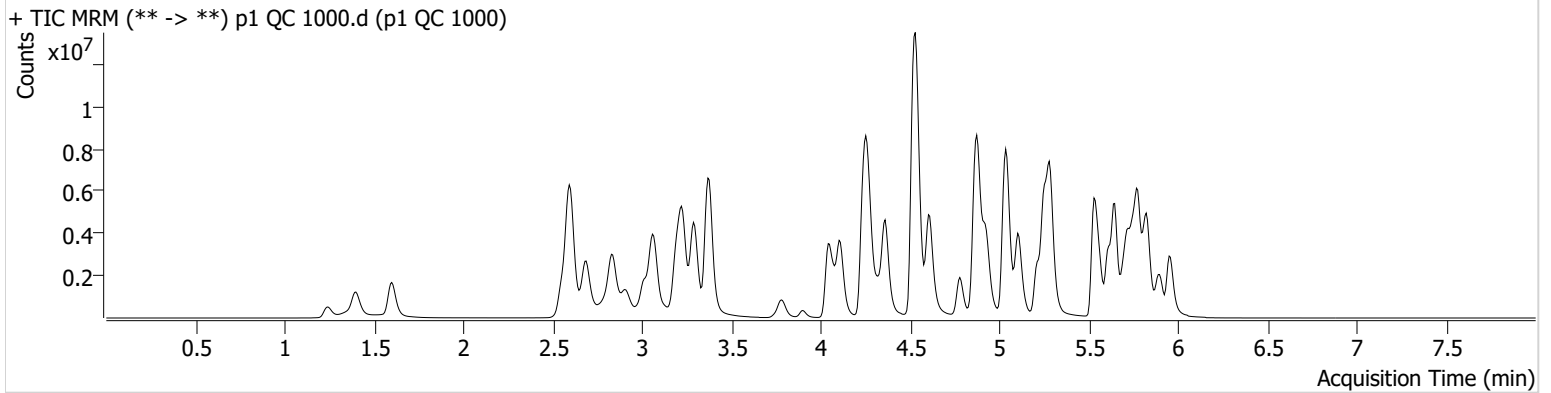
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Calibration Last Update 3/15/2021 1:10:48 PM

Instrument	Instrument 1	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	3/12/2021 9:49:15 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	267450	1543.68	71.2	482449.68	68707	100.8362 ng/ml
7-aminoclonazepam	4.278	1689104	237.71	81.3	10045.47	56390	1043.9832 ng/ml
a-hydroxyalprazolam	5.685	787772	165.91	59.2	259.52	205658	572.5168 ng/ml*
alpha-PHP	4.930	2052303	62228.95	271.2	1860.46	341149	1054.9088 ng/ml
alpha-PVP	4.363	7485288	12392.98	52.1	138781.89	341149	962.7935 ng/ml
Alprazolam	5.775	5586152	3605.99	112.9	4433.23	205658	994.5282 ng/ml
Amphetamine	3.063	8358102	124210.30	49.3	54780.20	124377	829.2651 ng/ml
Benzoylecgonine	3.899	406104	4017.52	8.0	2109.23	14037	1072.6471 ng/ml
Buprenorphine	5.738	60642	1717.39	14.6	21422.36	23230	97.8450 ng/ml
Bupropion	4.781	3101943	1431.38	60.5	1450.75	123682	906.2833 ng/ml
Carisoprodol	5.724	3387813	212803.07	54.4	11027.51	153650	1042.7382 ng/ml
Citalopram	5.212	3874290	1606.39	43.1	∞	173453	1013.2498 ng/ml
Clonazepam	5.612	5405358	94431.85	32.3	23003.95	75723	895.6816 ng/ml
Clonazepam	5.555	3953286	3734.94	37.0	395.16	75723	927.3408 ng/ml
Cocaine	4.257	7280689	875.28	51.5	690.04	660000	1024.5154 ng/ml
Codeine	2.573	663381	329.93	103.2	12042.69	47967	769.1516 ng/ml*
Cyclobenzaprine	5.615	1203137	28759.74	8.5	237.86	47737	1018.6550 ng/ml
Dextromethorphan	5.262	1553867	871.29	78.7	510.48	74683	985.7111 ng/ml
Dextrophan	4.111	2816358	151529.65	210.6	257777.94	324319	1040.4608 ng/ml
Diazepam	5.960	3932075	7892.50	88.6	17210.11	195600	946.4393 ng/ml
Dihydrocodeine	2.552	2542238	2198.59	64.6	364.70	214819	747.9716 ng/ml*
Diphenhydramine	5.289	10597645	2404.76	32.8	1157.66	609454	1006.3024 ng/ml
Doxylamine	4.529	22062779	670403.29	98.3	406004.84	1114975	867.7239 ng/ml
EDDP	5.254	8395358	39517.87	41.2	1921.93	418504	1011.2296 ng/ml
Etizolam	5.813	3492899	6342.10	25.2	7890.82	75723	1060.6820 ng/ml
Fentanyl	5.089	182978	453.80	73.6	362171.99	88367	97.6999 ng/ml
Flualprazolam	5.705	2323876	20145.49	103.6	25265.35	205658	915.1815 ng/ml
Fluoxetine	5.700	501422	18706.96	8.8	61869.29	24554	871.4384 ng/ml
Hydrocodone	3.012	3980867	1287.12	37.8	512.15	567889	884.9847 ng/ml
Hydromorphone	1.601	3429412	26275053.41	76.5	8388941.53	7810	896.0031 ng/ml
Ketamine	4.044	6700070	199560.19	37.4	14873.93	341612	958.0468 ng/ml
Lamotrigine	4.280	441540	12568.39	82.1	1503.78	341612	739.5571 ng/ml*
Levetiracetam	2.690	2930047	42604.40	164.9	5893.14	758579	1236.9791 ng/ml*

AM #28 Multi-Drug Quant. Results



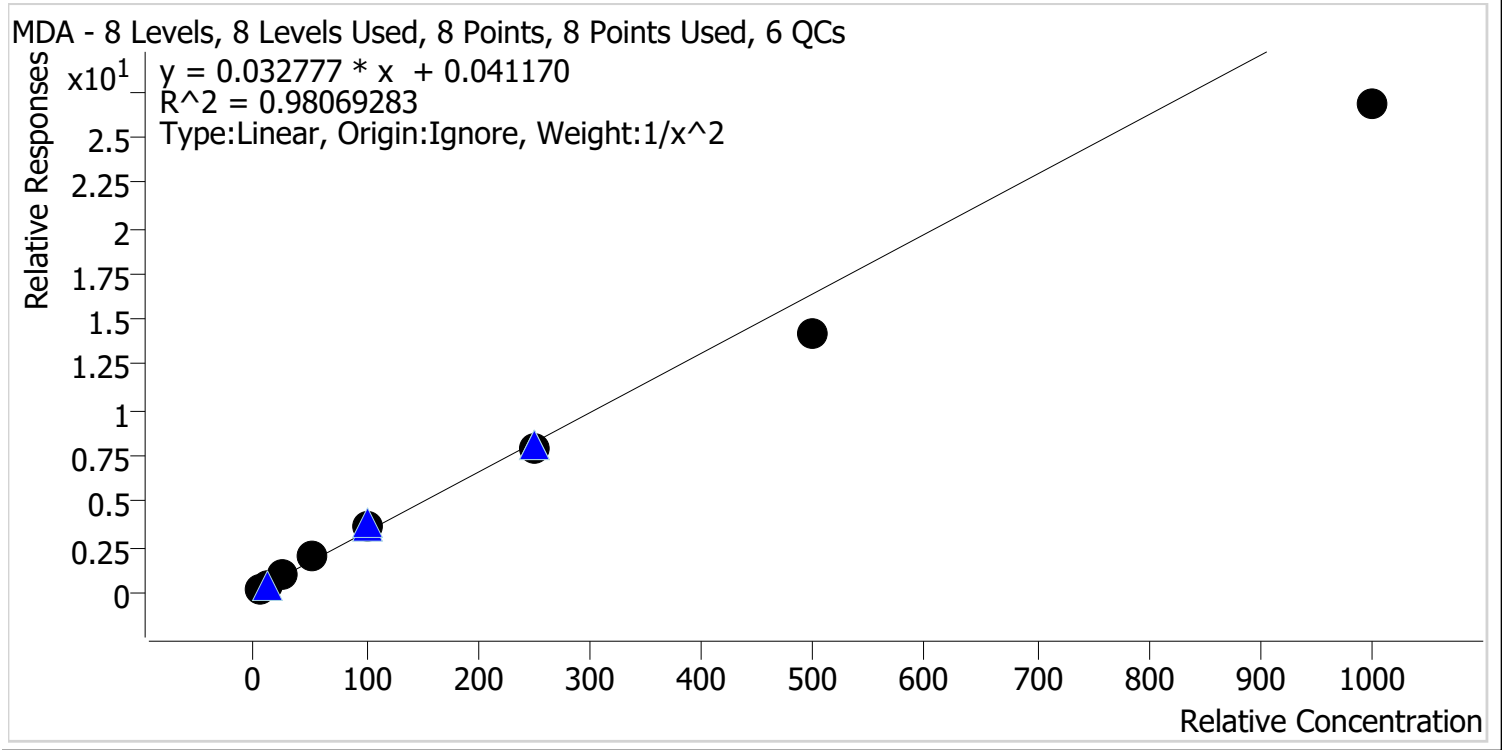
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1483767	19299.84	55.4	595.36	75723	299.2022 ng/ml*
MDA	3.196	6337302	1359.55	23.3	1216.90	234313	823.8964 ng/ml
MDMA	3.290	7171786	200857.13	78.8	18136.79	71292	989.4134 ng/ml
Meprobamate	4.924	2307997	64803.53	26.9	39460.68	146554	752.9801 ng/ml*
Methadone	5.646	6897628	304713.09	44.8	130282.14	306883	989.1129 ng/ml
Methamphetamine	3.231	9144988	4791.77	37.0	22645.77	459279	845.9864 ng/ml
Metoprolol	4.326	1730933	5202.16	91.2	205936.91	940905	915.5466 ng/ml
Mirtazapine	4.610	8409378	135726.71	46.9	2722.29	341149	1260.5189 ng/ml
Mitragynine	5.223	691510	6377.22	39.7	58411.26	306883	733.2681 ng/ml
Morphine	1.240	554086	4660.71	27.8	785.25	7810	925.3438 ng/ml
Norbuprenorphine	4.986	11552	60553.37	101.5	203.86	5531	104.2956 ng/ml
Nordiazepam	5.900	3167944	76867.23	58.5	22524.46	112244	966.1258 ng/ml
Norfentanyl	4.079	1954891	51534.16	34.1	6294.29	756799	103.2104 ng/ml
Norhydrocodone	3.059	523595	1064.95	38.5	132.79	43001	1055.7052 ng/ml
Noroxycodone	2.909	3045675	9628.73	40.5	1280.56	110152	979.2911 ng/ml
O-desmethyl-tramadol	3.369	17975095	137688.35	6.9	51945.20	1102084	975.4780 ng/ml
Oxazepam	5.749	2164720	24768.99	74.9	24825.36	99165	890.1448 ng/ml
Oxycodone	2.827	9642879	2472.19	26.2	1605.25	442951	957.4262 ng/ml
Oxymorphone	1.398	3678586	4567.41	42.1	∞	142902	966.4813 ng/ml
Phentermine	3.783	2568855	5518.05	4.6	1597.01	408596	789.7991 ng/ml*
Promethazine	5.532	2360170	29205.96	28.5	102870.86	101666	982.6952 ng/ml
Pseudoephedrine	2.596	17258345	392698.00	16.2	476027.85	758579	1033.9938 ng/ml
Quetiapine	5.528	6118196	120300.38	59.8	914.95	89518	973.2078 ng/ml
Sertraline	5.762	235642	961.47	102.3	90095.99	12441	910.6926 ng/ml
Temazepam	5.830	7015390	36941.58	27.8	17252.22	302594	1068.5202 ng/ml
Tramadol	4.239	15934163	1503.05	3.7	1902.02	940905	896.8537 ng/ml
Trazodone	5.101	5607408	2872.57	77.9	2115.08	169952	1256.9631 ng/ml*
Venlafaxine	5.037	16273958	1427.55	39.8	∞	792788	1019.9800 ng/ml
Zolpidem	4.874	19728231	461986.67	32.7	14224.41	1133433	871.3201 ng/ml

*Outside curve range.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte MDA **Internal Standard** MDA-D5

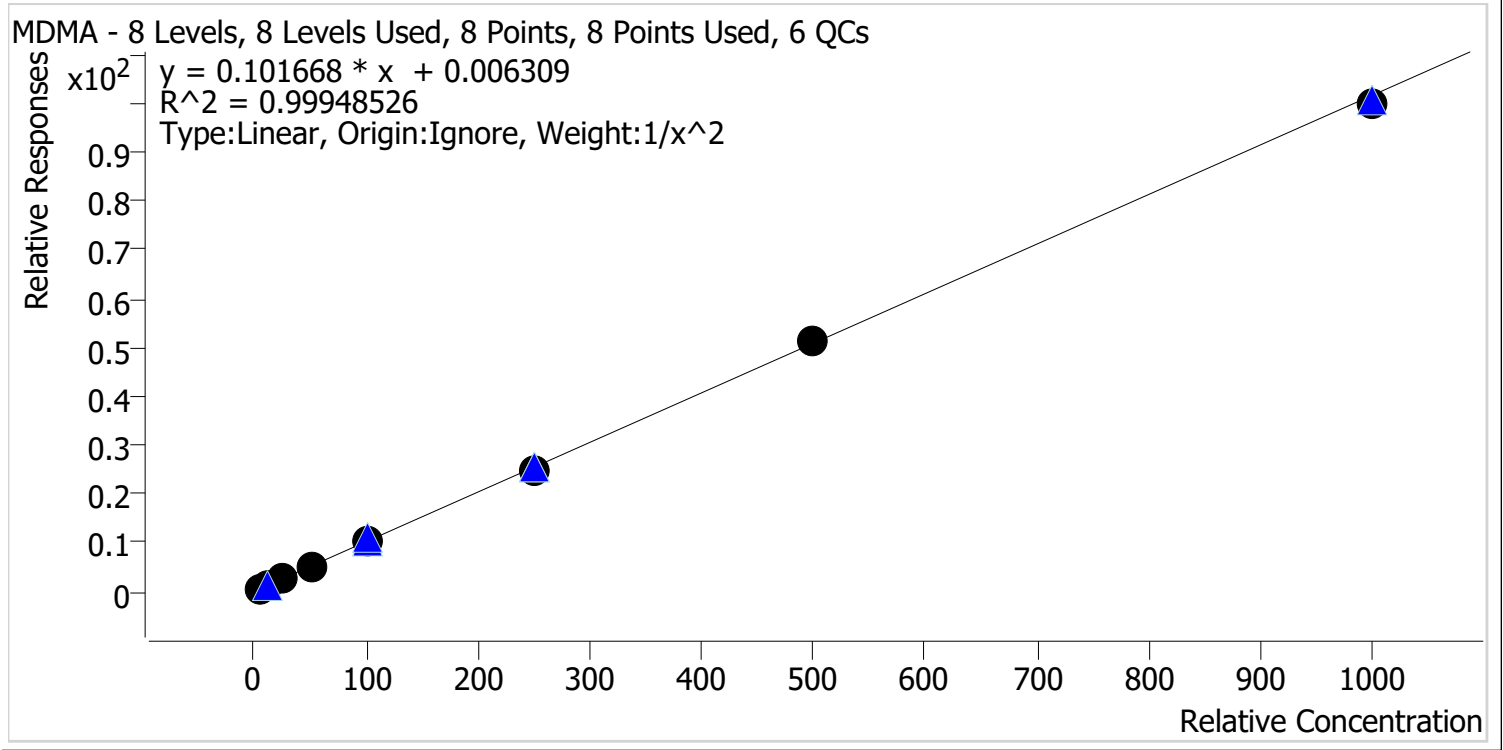


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.1
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.3
p1 Cal 4-50ng	4	✓	50.0	58.8	117.6
p1 Cal 5-100ng	5	✓	100.0	108.2	108.2
p1 Cal 6-250ng	6	✓	250.0	242.6	97.0
p1 Cal 7-500ng	7	✓	500.0	435.4	87.1
p1 Cal 8-1000ng	8	✓	1000.0	818.3	81.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte MDMA **Internal Standard** MDMA-D6

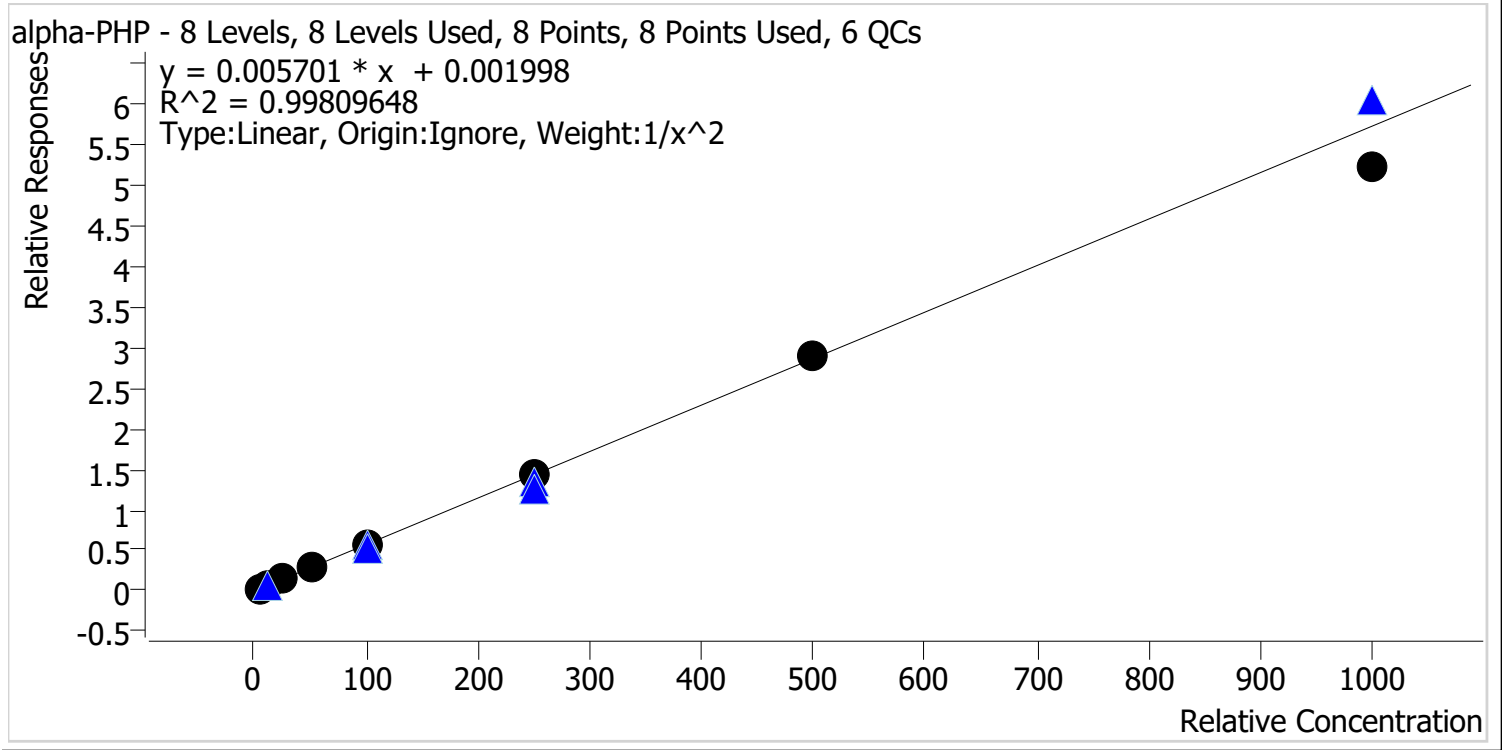


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	504.2	100.8
p1 Cal 8-1000ng	8	✓	1000.0	985.1	98.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

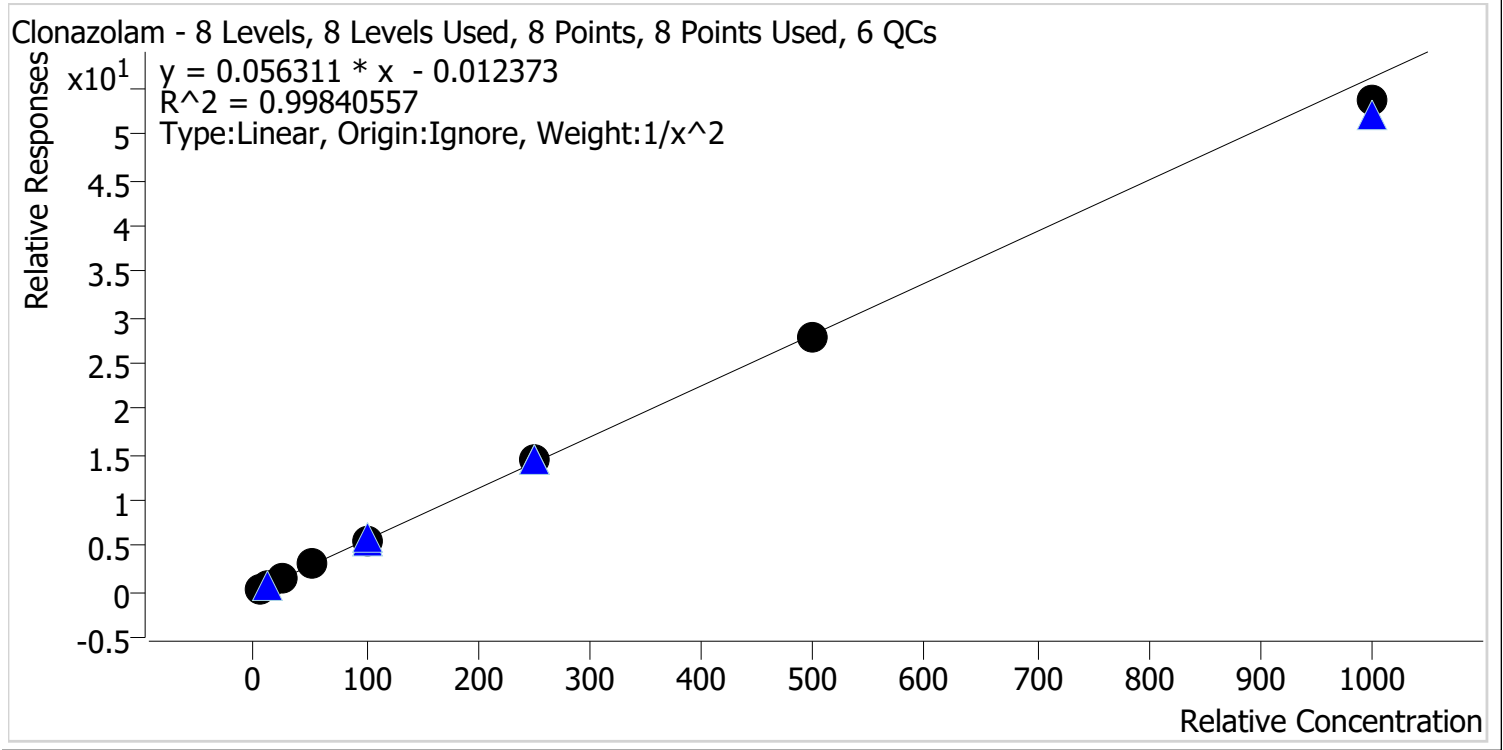


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	509.8	102.0
p1 Cal 8-1000ng	8	✓	1000.0	913.0	91.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4



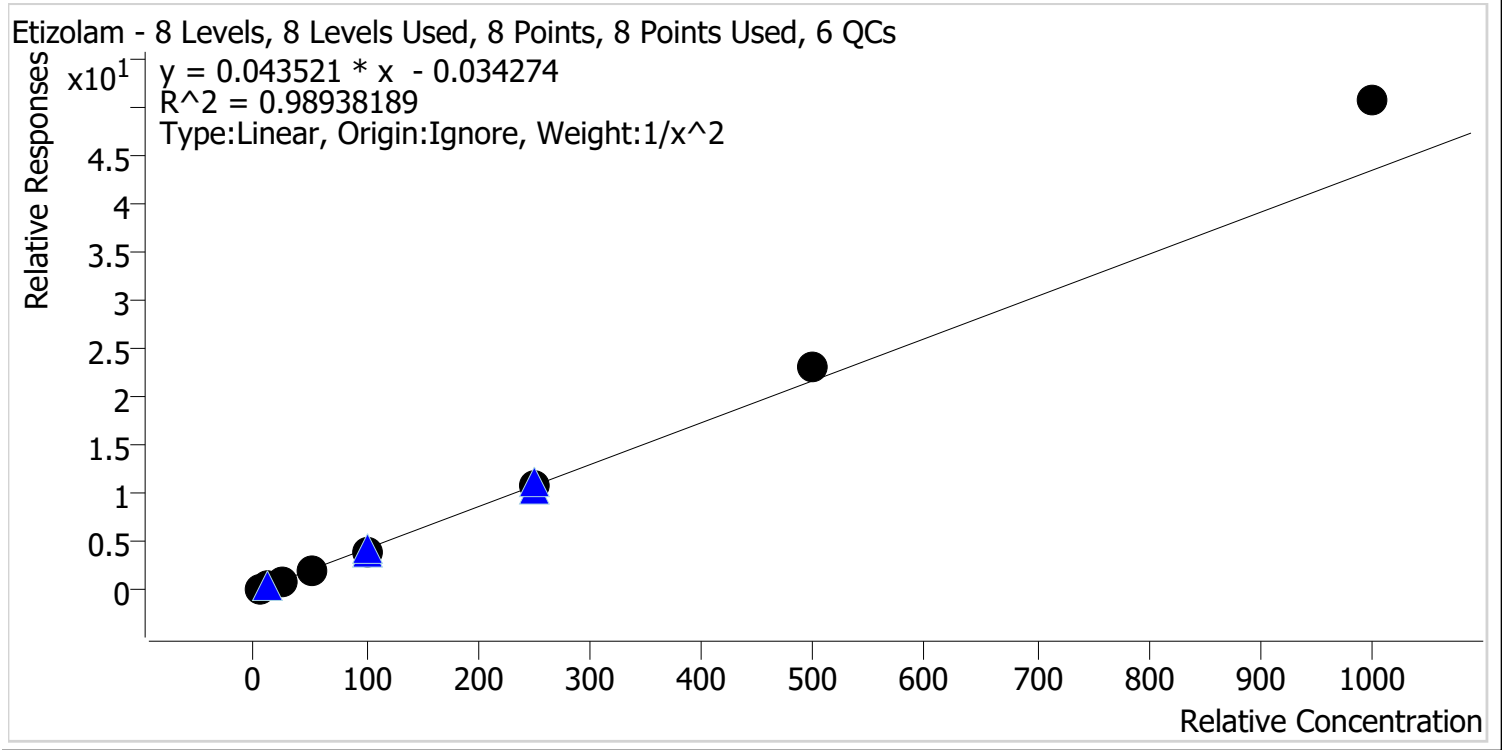
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	491.0	98.2
p1 Cal 8-1000ng	8	✓	1000.0	955.0	95.5

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4

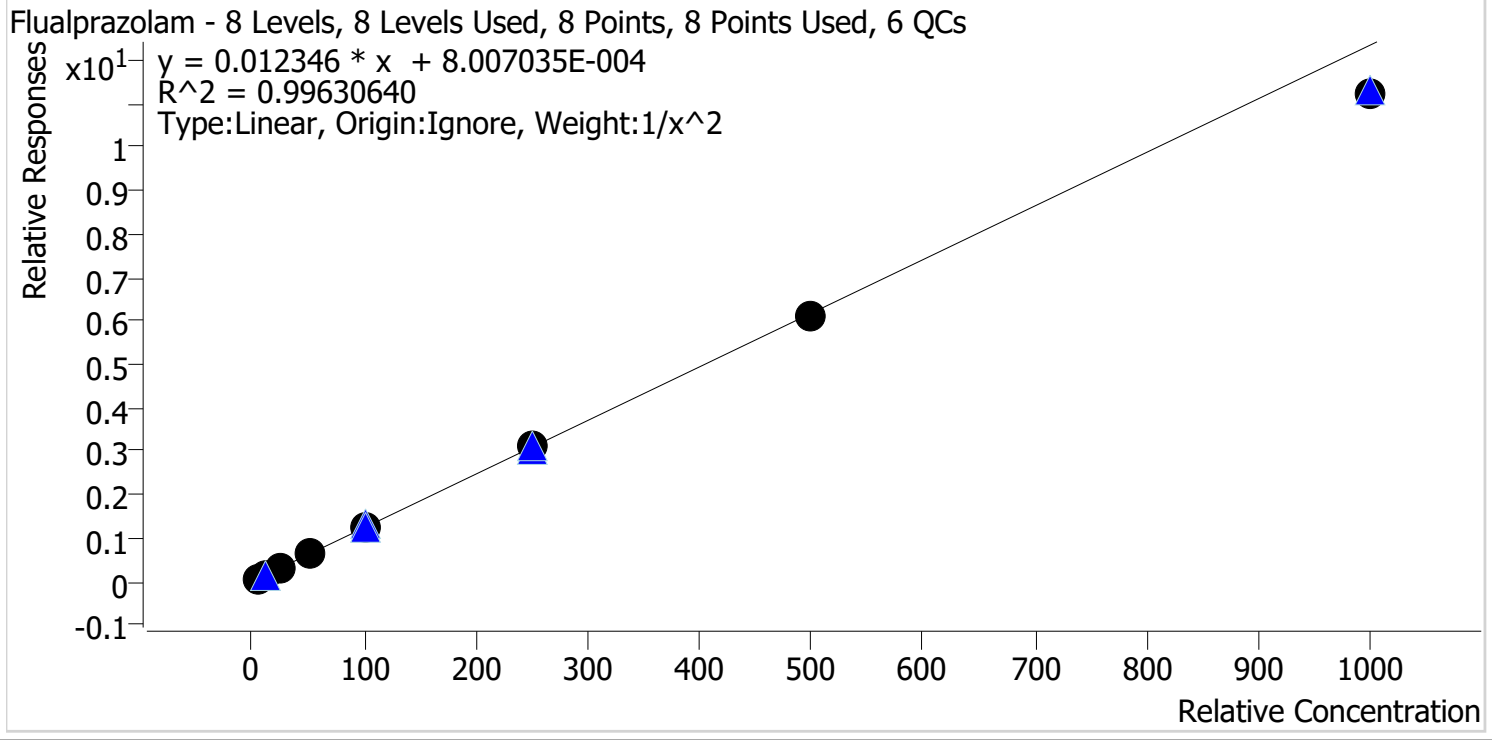


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.0
p1 Cal 2-10ng	2	✓	10.0	9.3	93.3
p1 Cal 3 -25ng	3	✓	25.0	22.5	90.0
p1 Cal 4-50ng	4	✓	50.0	47.3	94.5
p1 Cal 5-100ng	5	✓	100.0	94.3	94.3
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	533.7	106.7
p1 Cal 8-1000ng	8	✓	1000.0	1165.5	116.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5

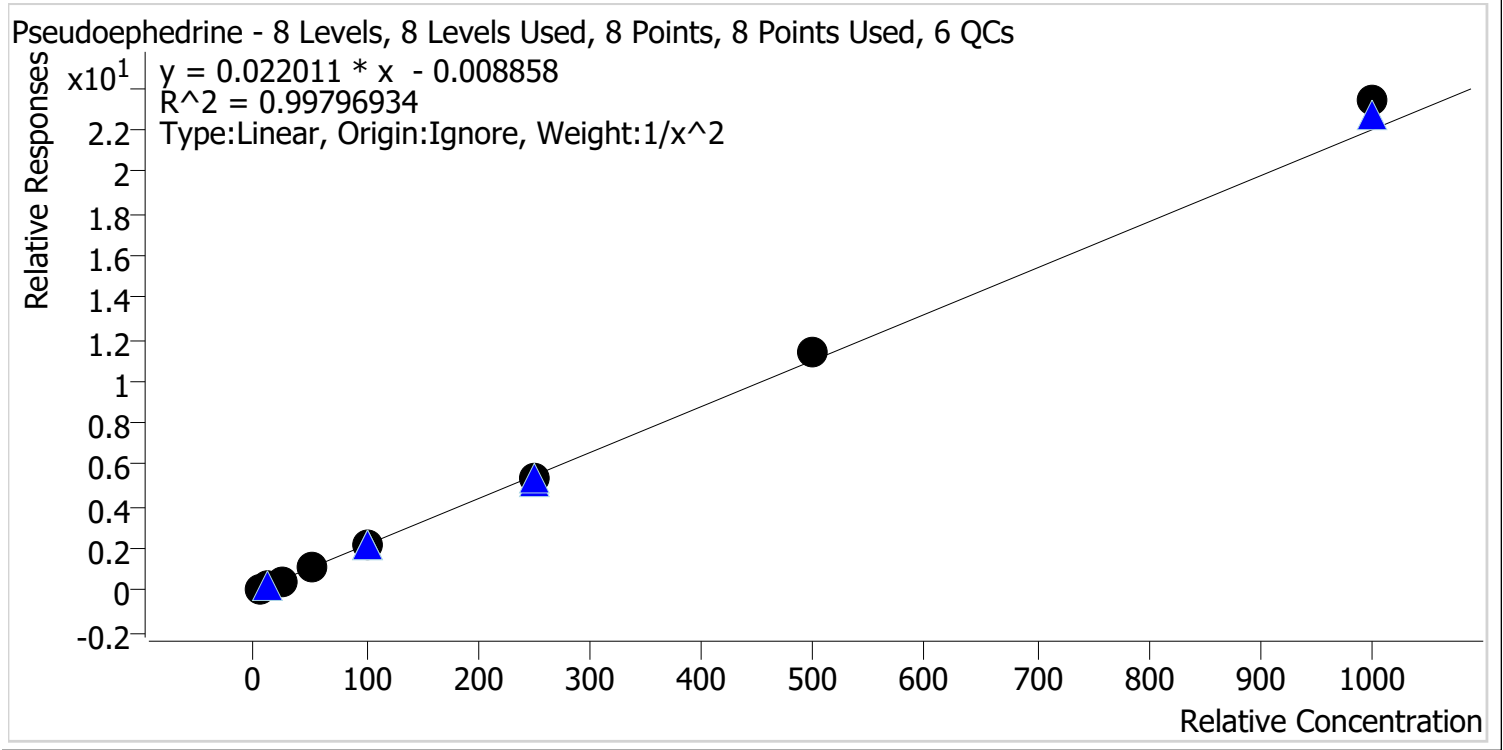


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	492.1	98.4
p1 Cal 8-1000ng	8	✓	1000.0	908.0	90.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

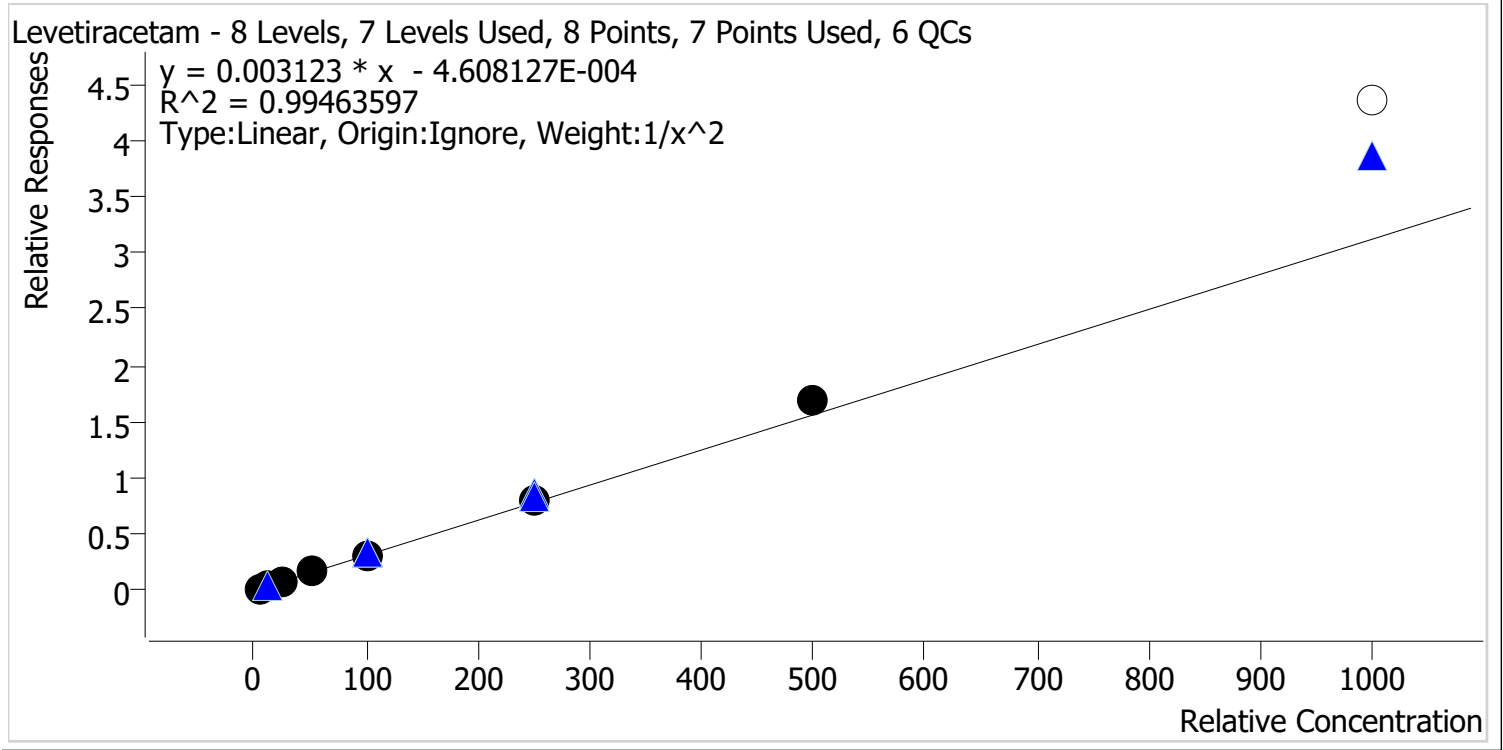


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	514.2	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1063.0	106.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3



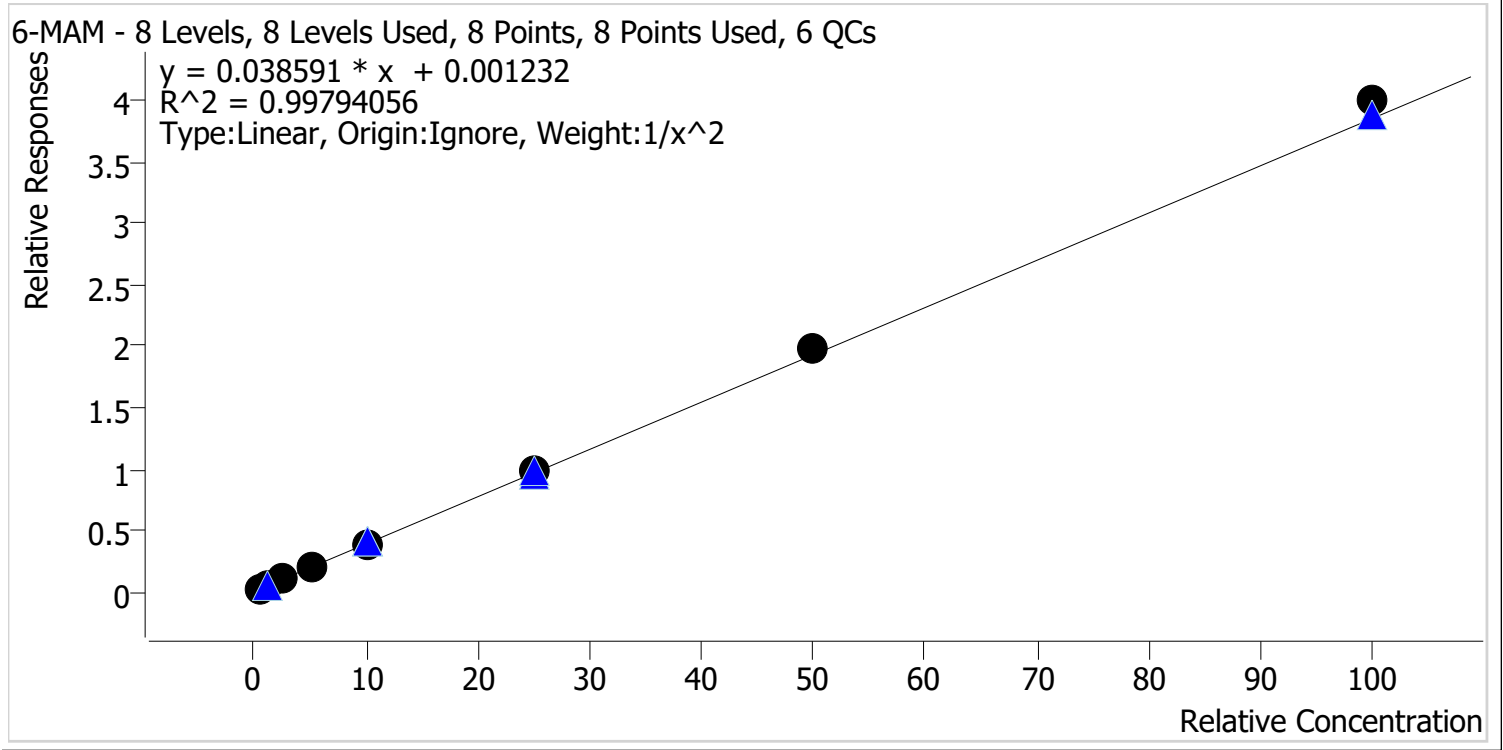
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	22.5	89.9
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	536.8	107.4
p1 Cal 8-1000ng	8	✗	1000.0	1394.6	139.5

Calibrator 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

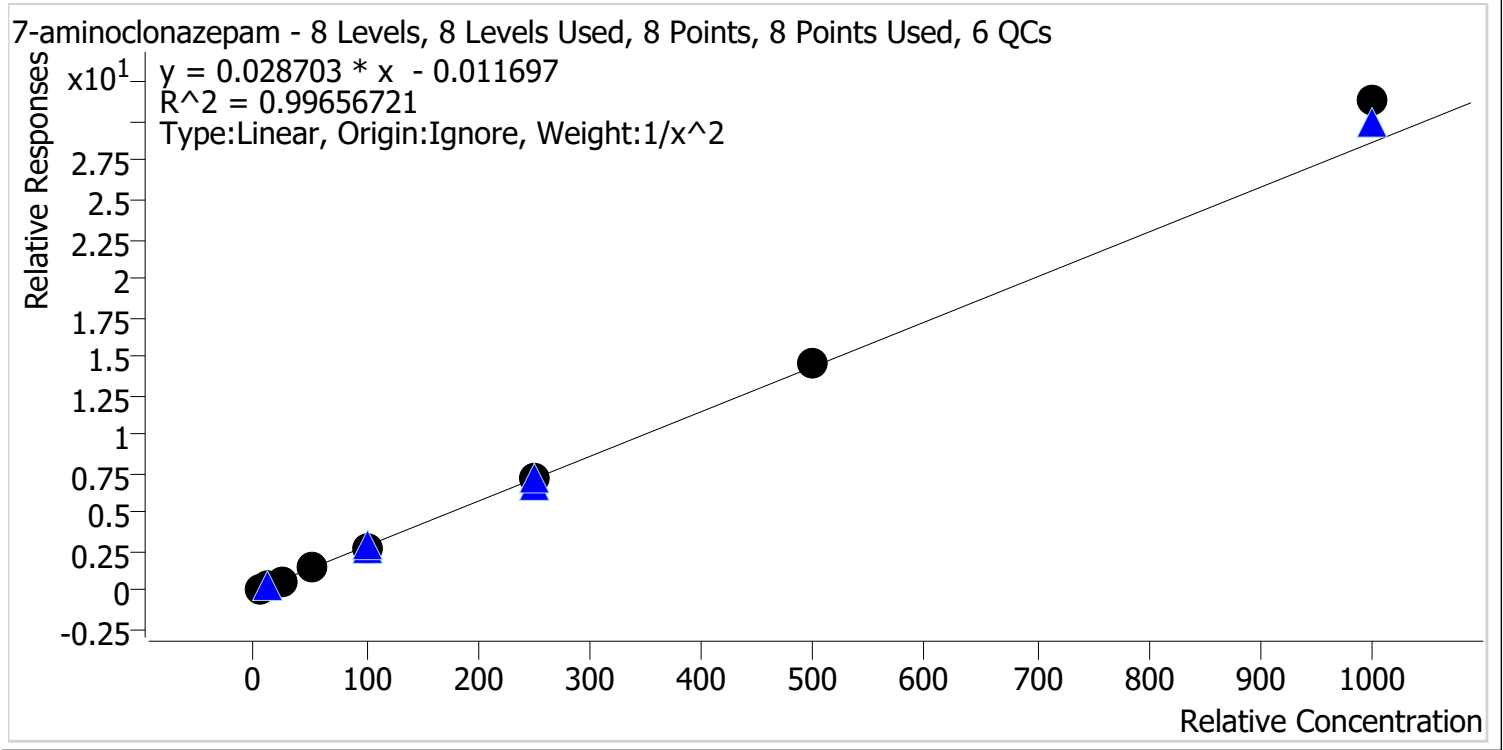


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.1
p1 Cal 2-10ng	2	✓	1.0	0.9	93.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.2
p1 Cal 4-50ng	4	✓	5.0	5.1	102.1
p1 Cal 5-100ng	5	✓	10.0	9.9	98.7
p1 Cal 6-250ng	6	✓	25.0	25.1	100.5
p1 Cal 7-500ng	7	✓	50.0	51.2	102.3
p1 Cal 8-1000ng	8	✓	100.0	103.8	103.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

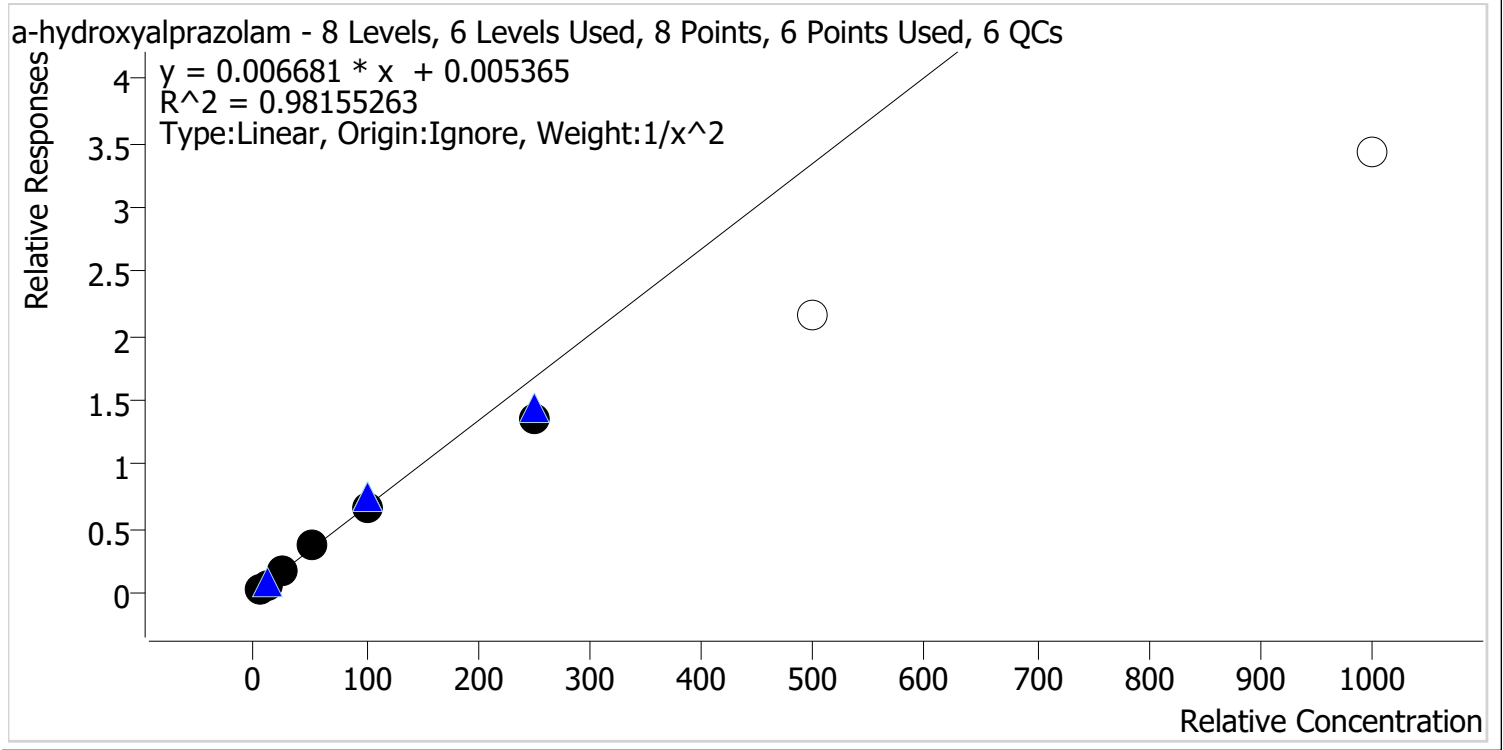


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.2
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	510.5	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1093.3	109.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



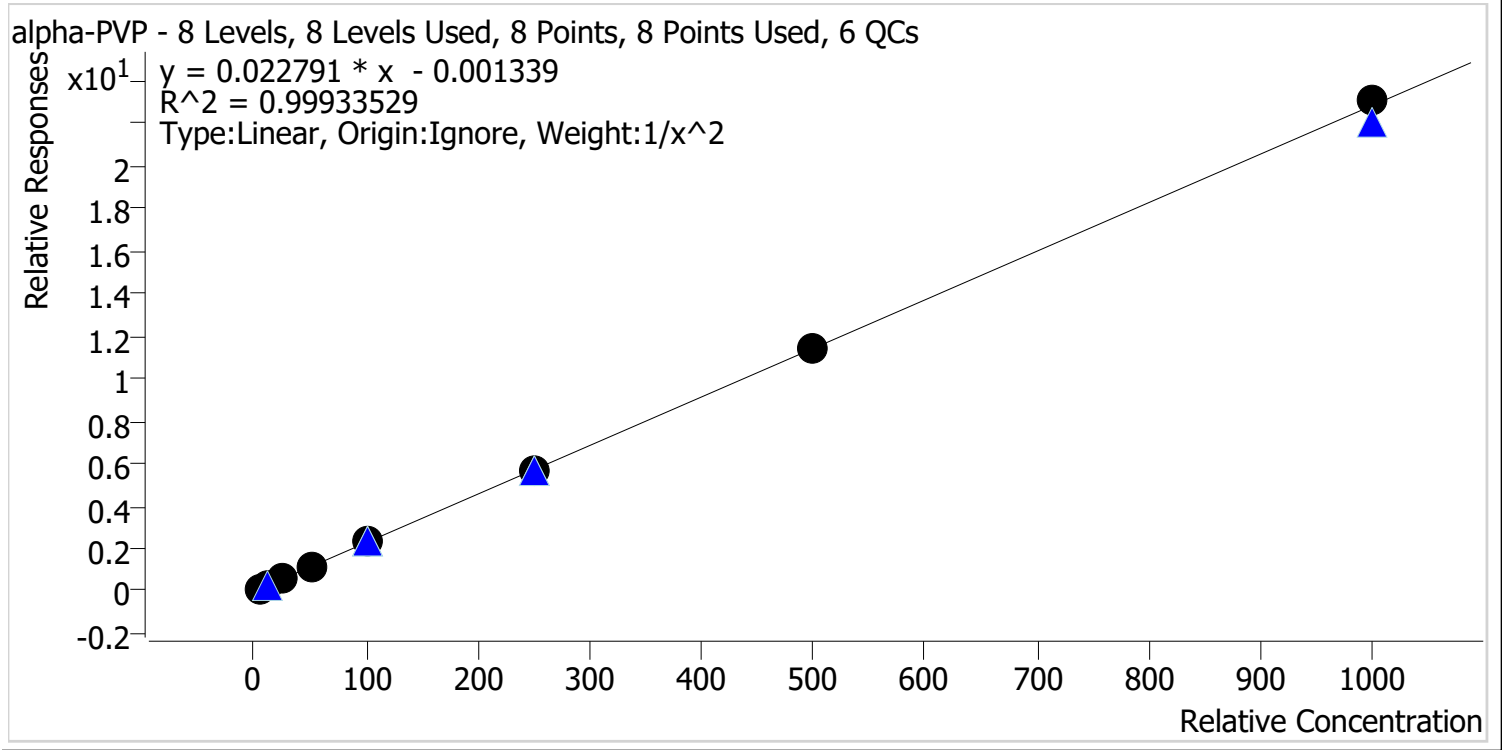
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	57.1	114.2
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	201.9	80.8
p1 Cal 7-500ng	7	✗	500.0	321.6	64.3
p1 Cal 8-1000ng	8	✗	1000.0	511.5	51.2

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

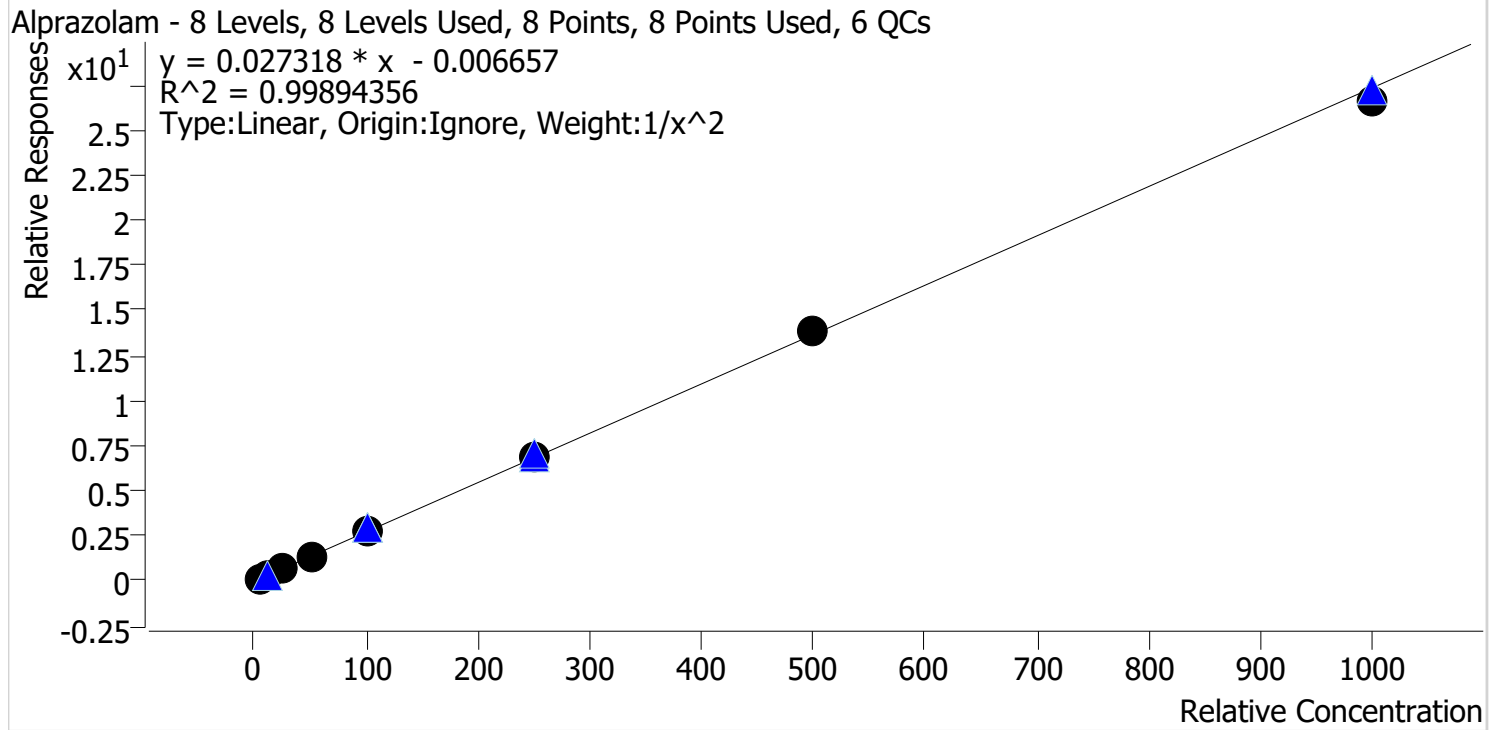


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	503.0	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1010.3	101.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

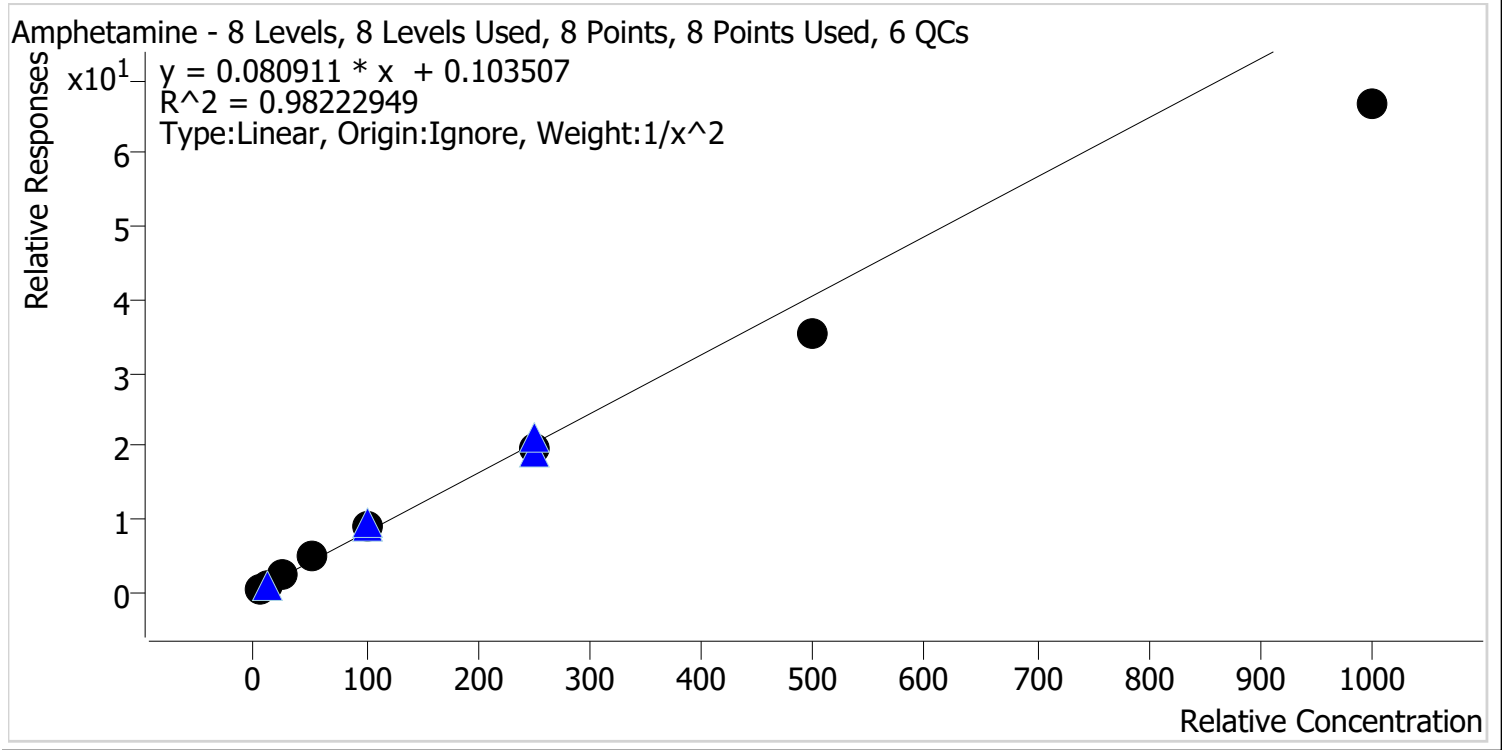


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	509.6	101.9
p1 Cal 8-1000ng	8	✓	1000.0	974.2	97.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

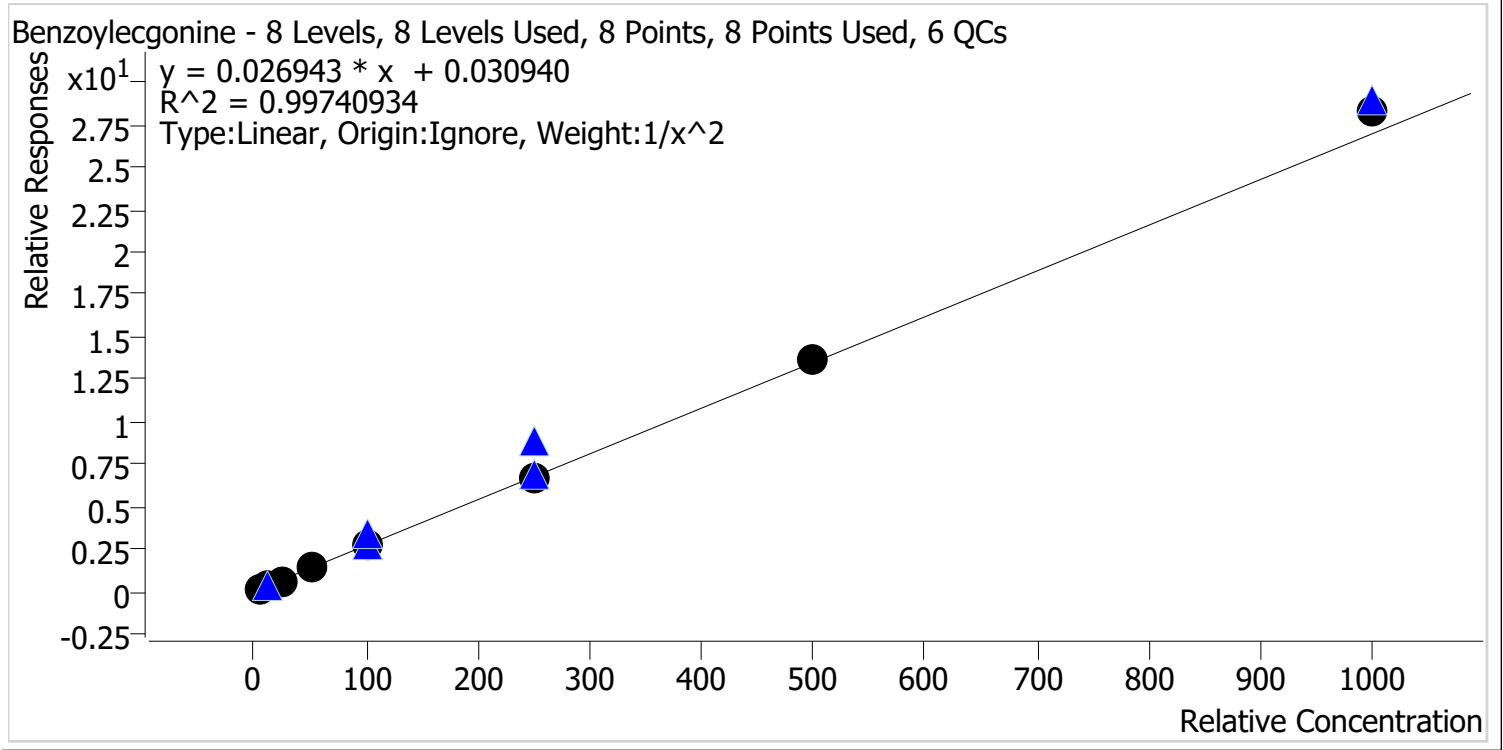


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.1
p1 Cal 2-10ng	2	✓	10.0	10.4	104.5
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.5
p1 Cal 4-50ng	4	✓	50.0	57.8	115.5
p1 Cal 5-100ng	5	✓	100.0	109.3	109.3
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	433.8	86.8
p1 Cal 8-1000ng	8	✓	1000.0	826.9	82.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datator
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

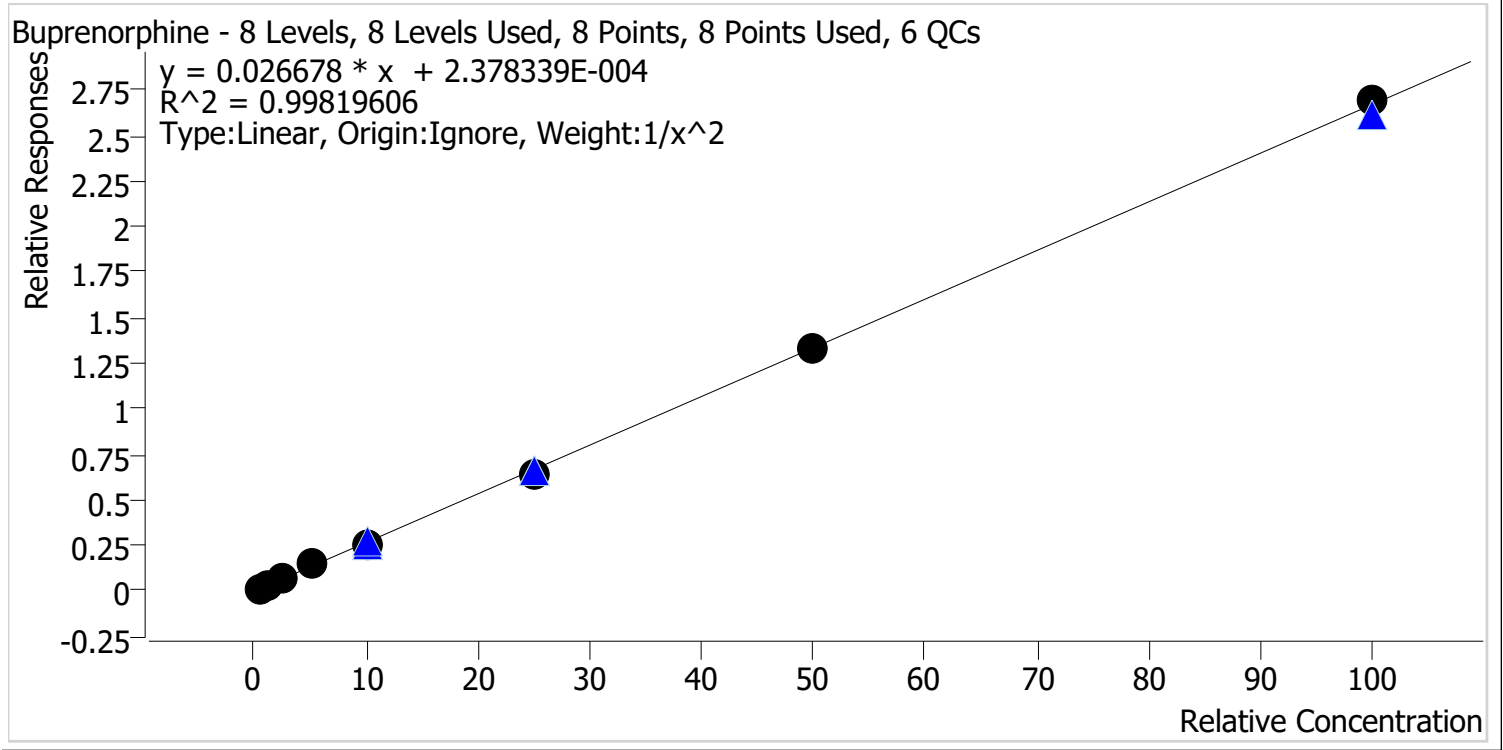


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	508.5	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1050.4	105.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

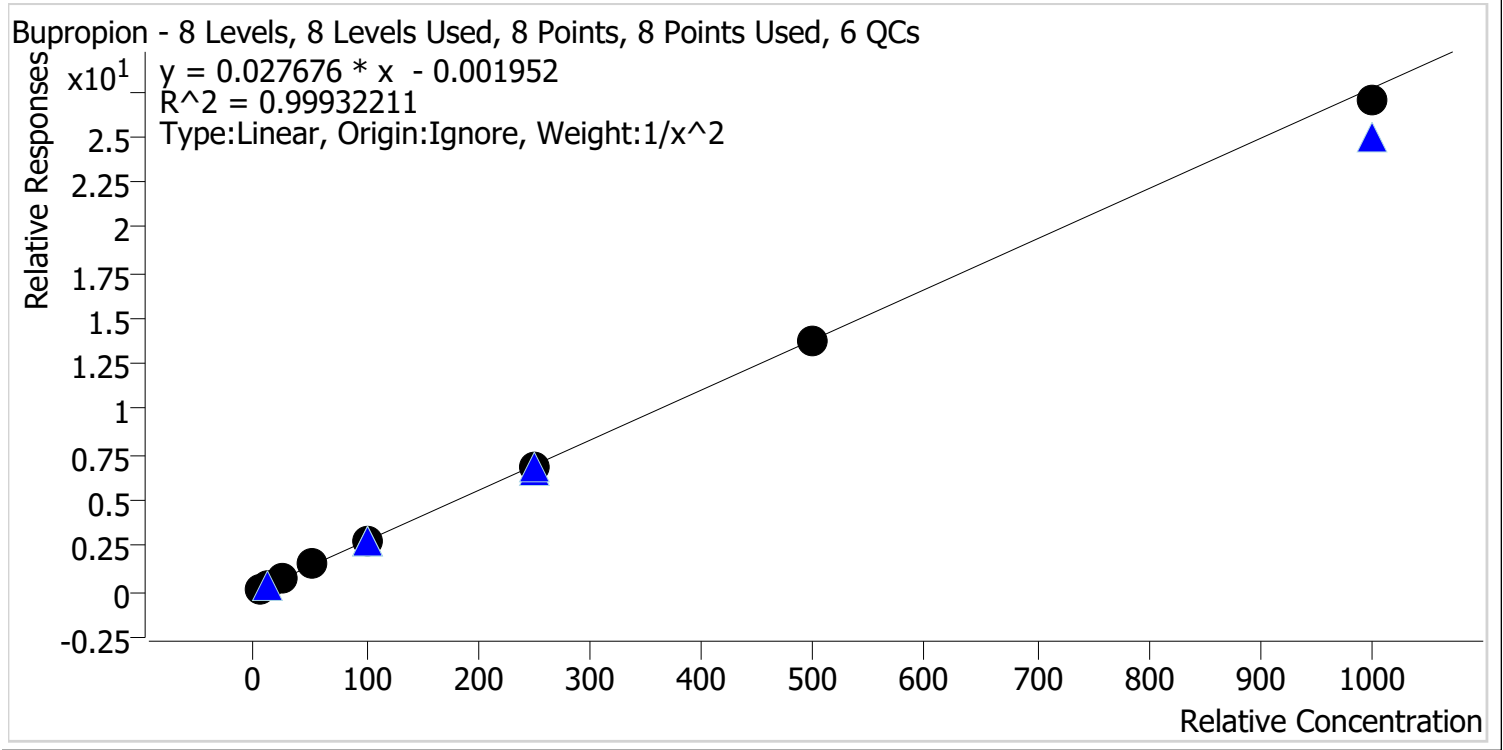


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.7
p1 Cal 2-10ng	2	✓	1.0	1.0	101.8
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.6
p1 Cal 4-50ng	4	✓	5.0	5.4	107.6
p1 Cal 5-100ng	5	✓	10.0	9.6	95.7
p1 Cal 6-250ng	6	✓	25.0	24.1	96.3
p1 Cal 7-500ng	7	✓	50.0	49.7	99.5
p1 Cal 8-1000ng	8	✓	100.0	100.8	100.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

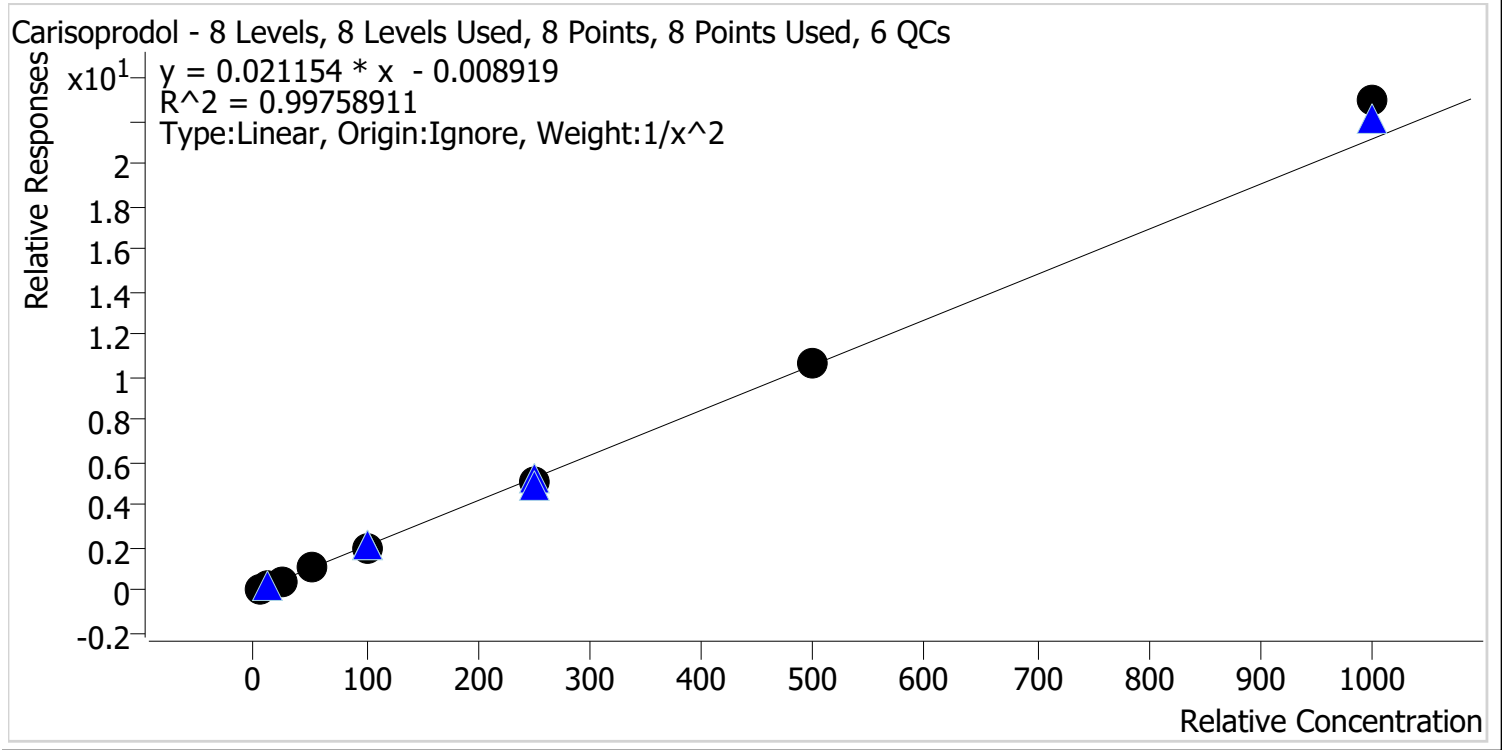


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	249.9	99.9
p1 Cal 7-500ng	7	✓	500.0	495.8	99.2
p1 Cal 8-1000ng	8	✓	1000.0	975.2	97.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

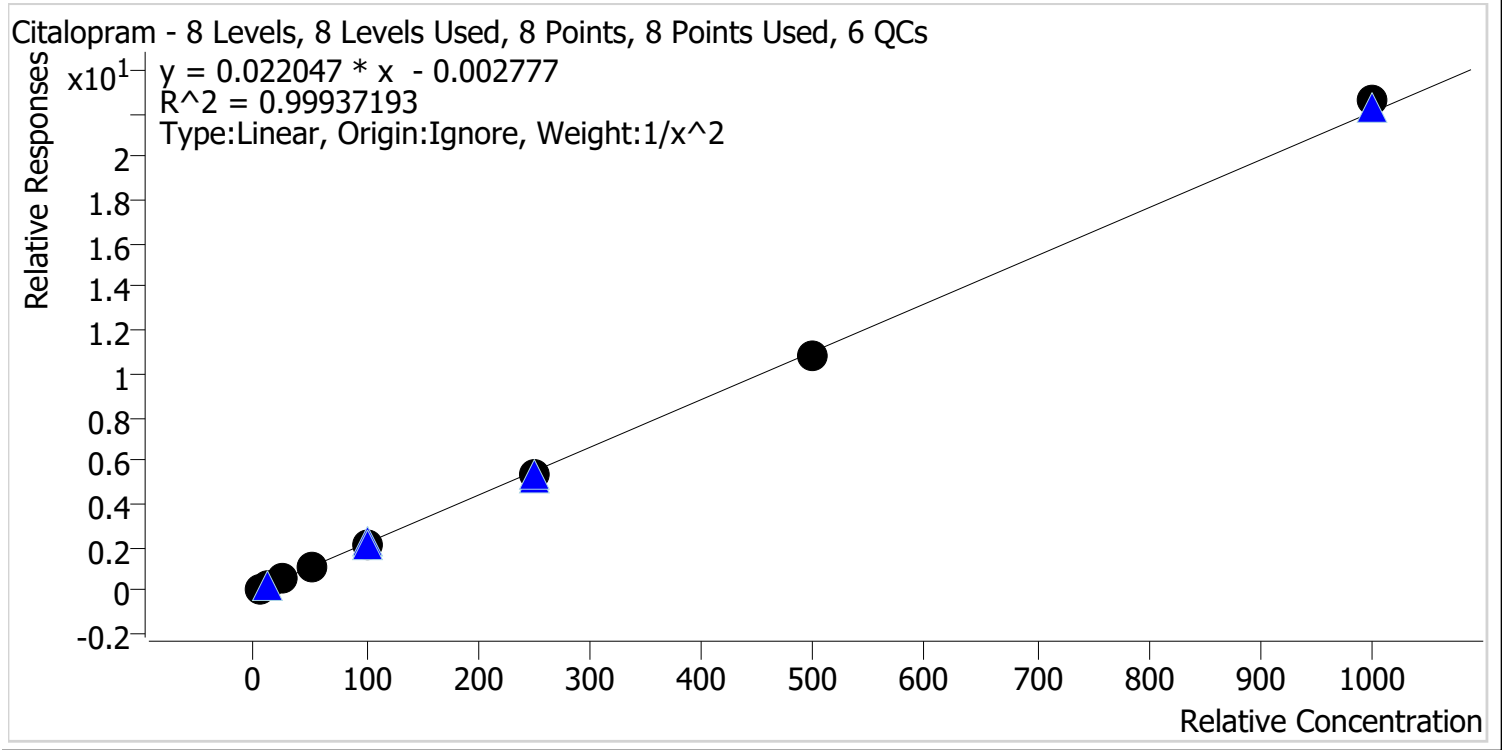


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	241.9	96.7
p1 Cal 7-500ng	7	✓	500.0	500.0	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1084.8	108.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

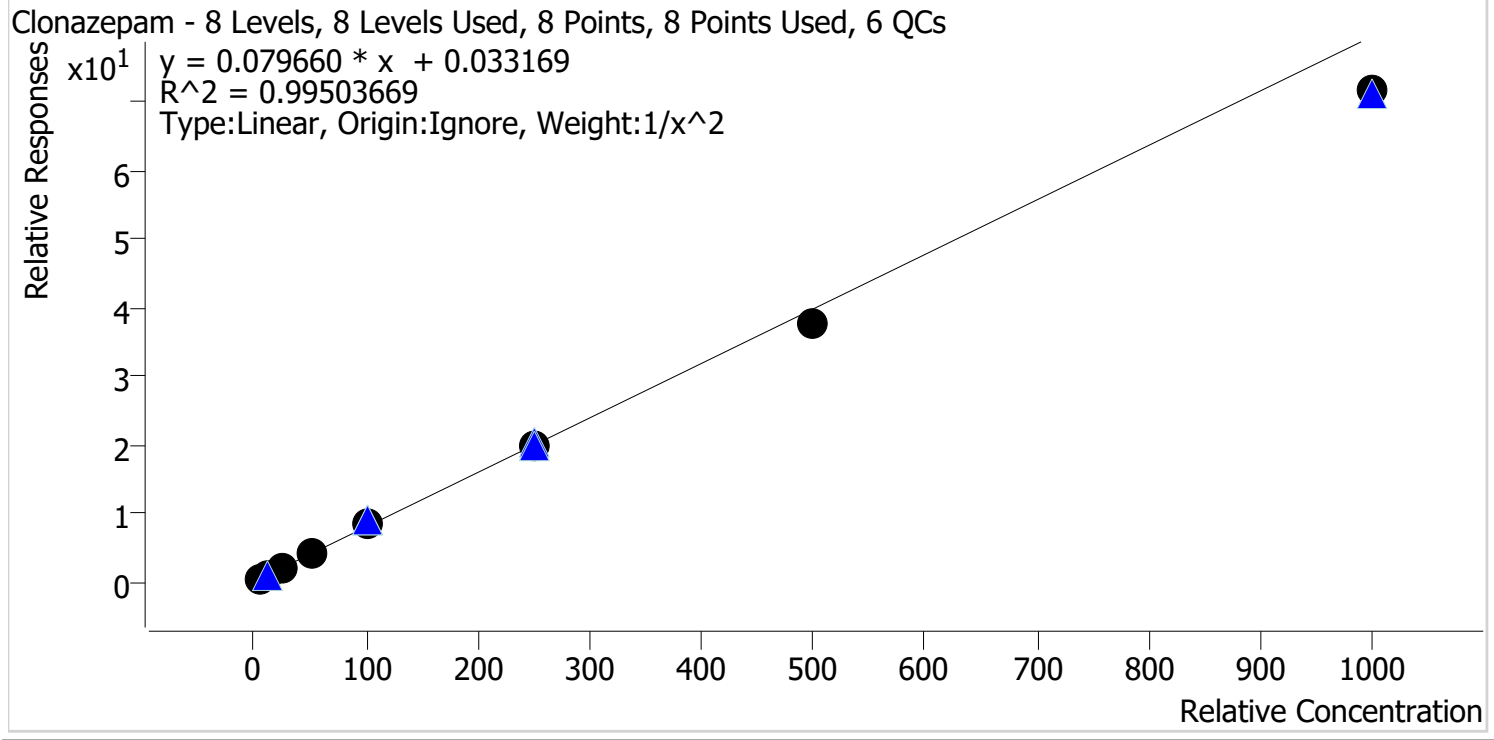


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	493.6	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1023.9	102.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

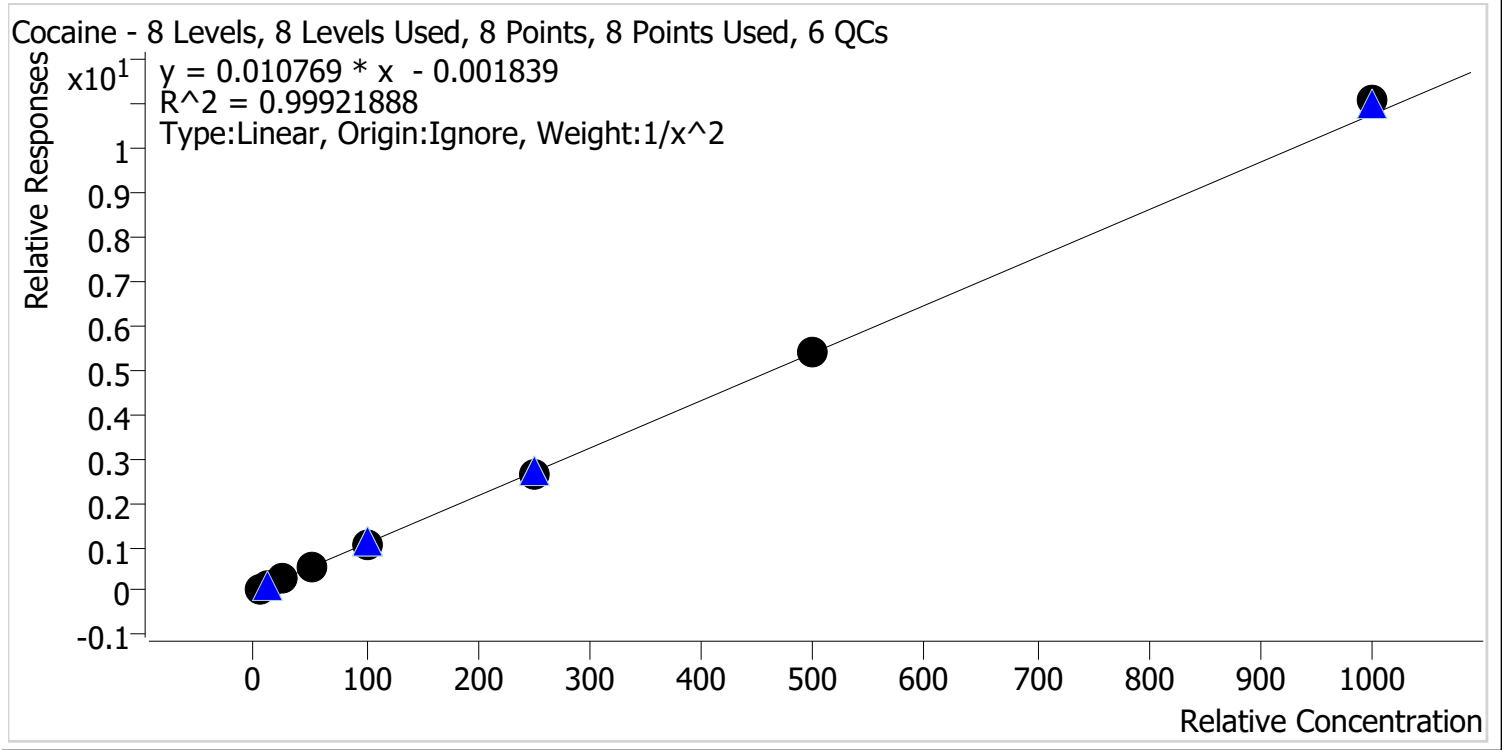


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.4
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	470.5	94.1
p1 Cal 8-1000ng	8	✓	1000.0	900.6	90.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

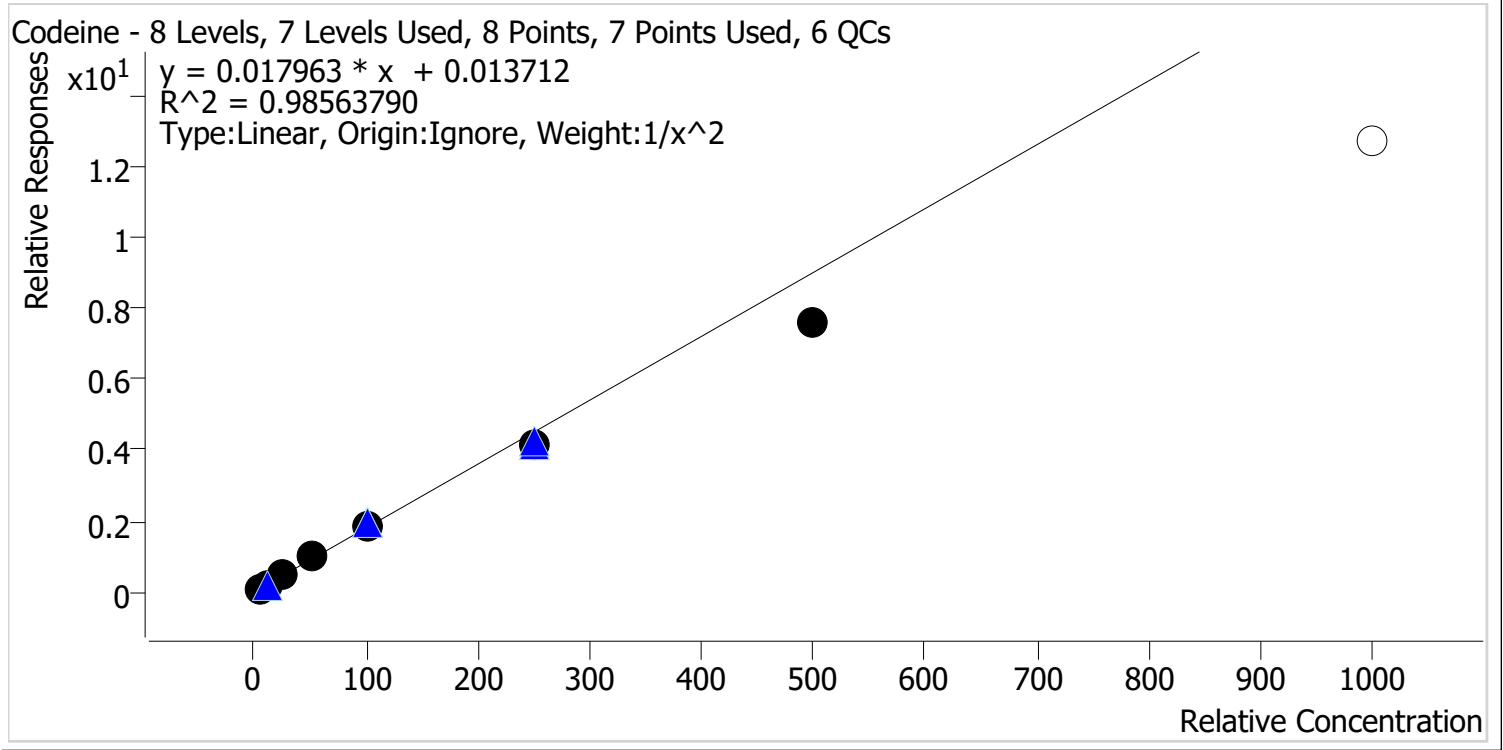


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1029.2	102.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Codeine **Internal Standard** Codeine-D6



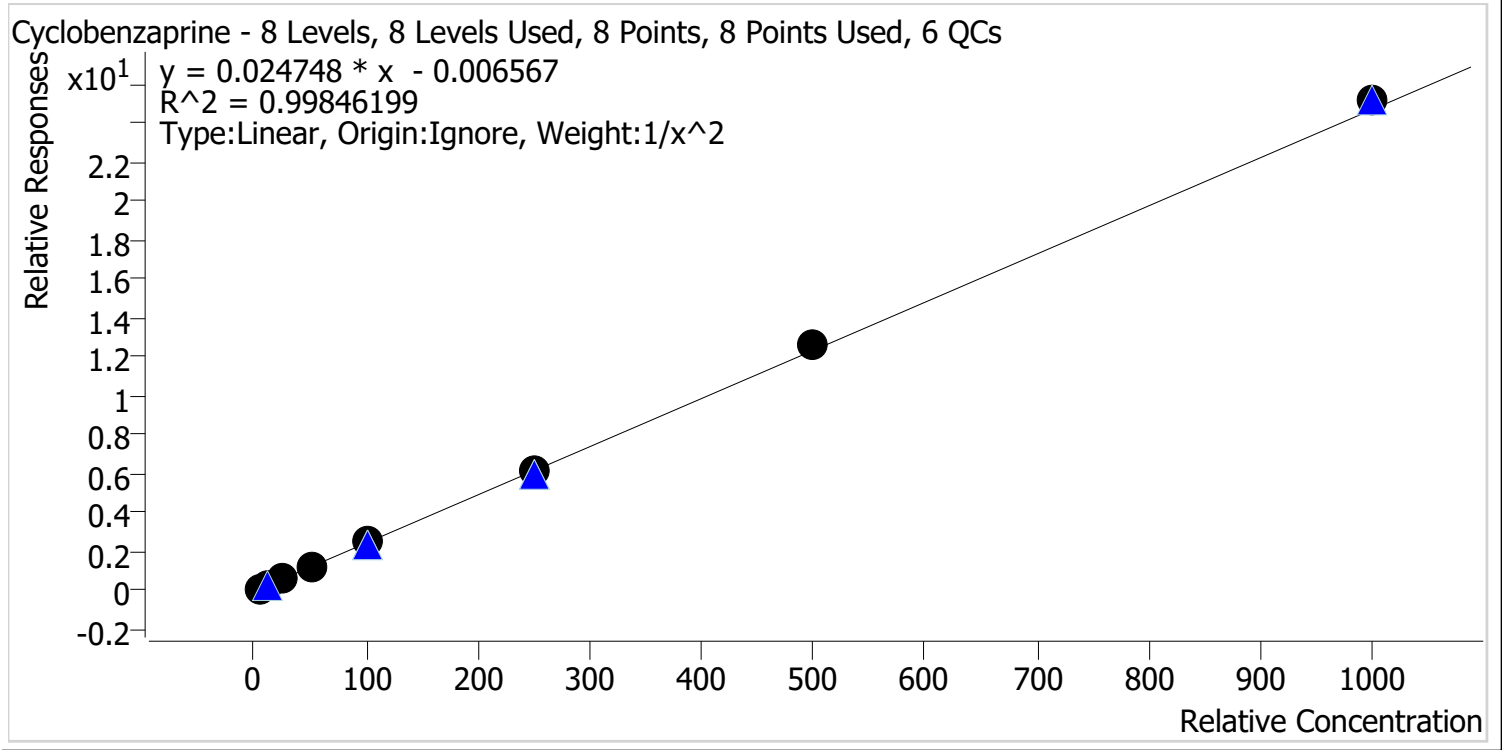
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	58.7	117.3
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	232.9	93.2
p1 Cal 7-500ng	7	✓	500.0	422.7	84.5
p1 Cal 8-1000ng	8	✗	1000.0	705.9	70.6

Calibrator 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

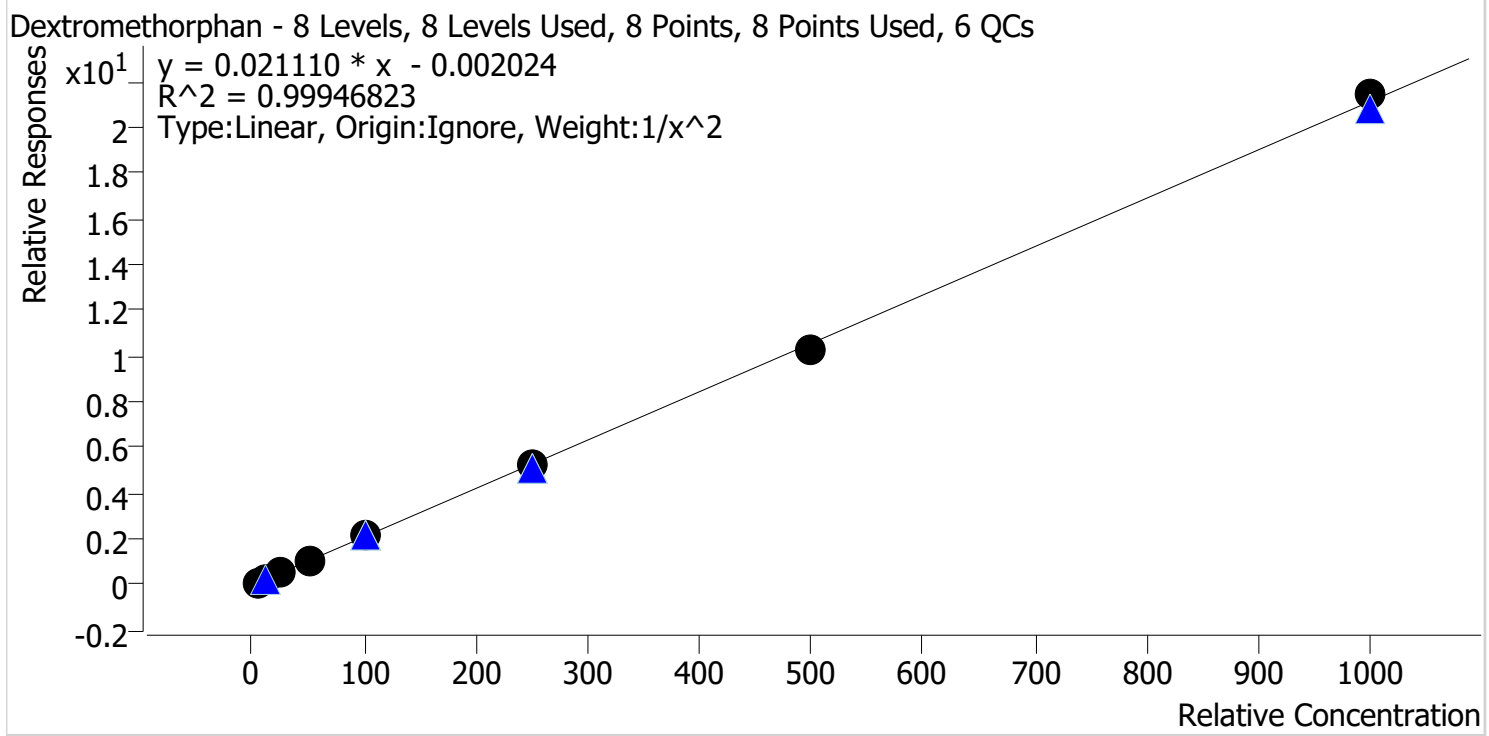


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.2	93.0
p1 Cal 4-50ng	4	✓	50.0	51.5	102.9
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	508.2	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1018.5	101.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

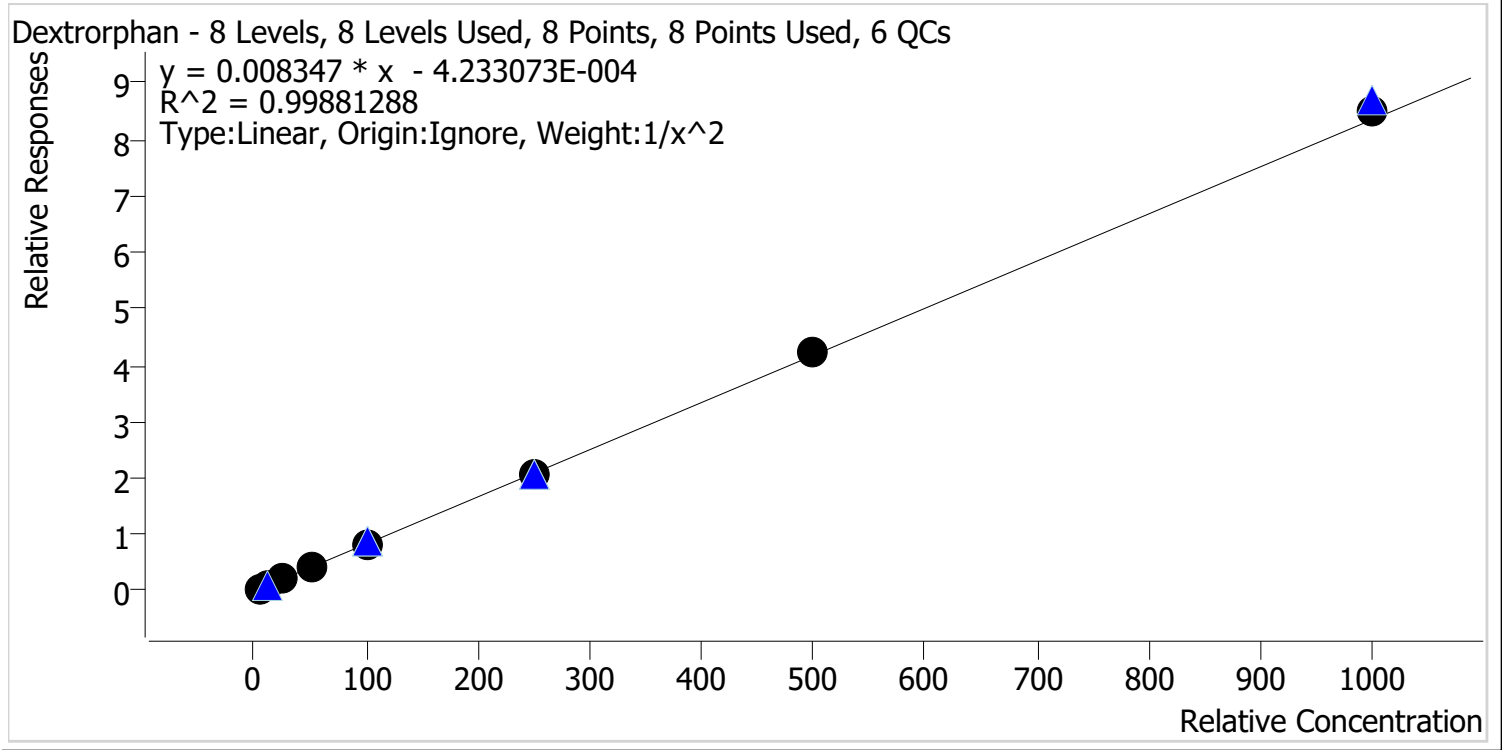


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	51.4	102.9
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	486.1	97.2
p1 Cal 8-1000ng	8	✓	1000.0	1014.2	101.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3



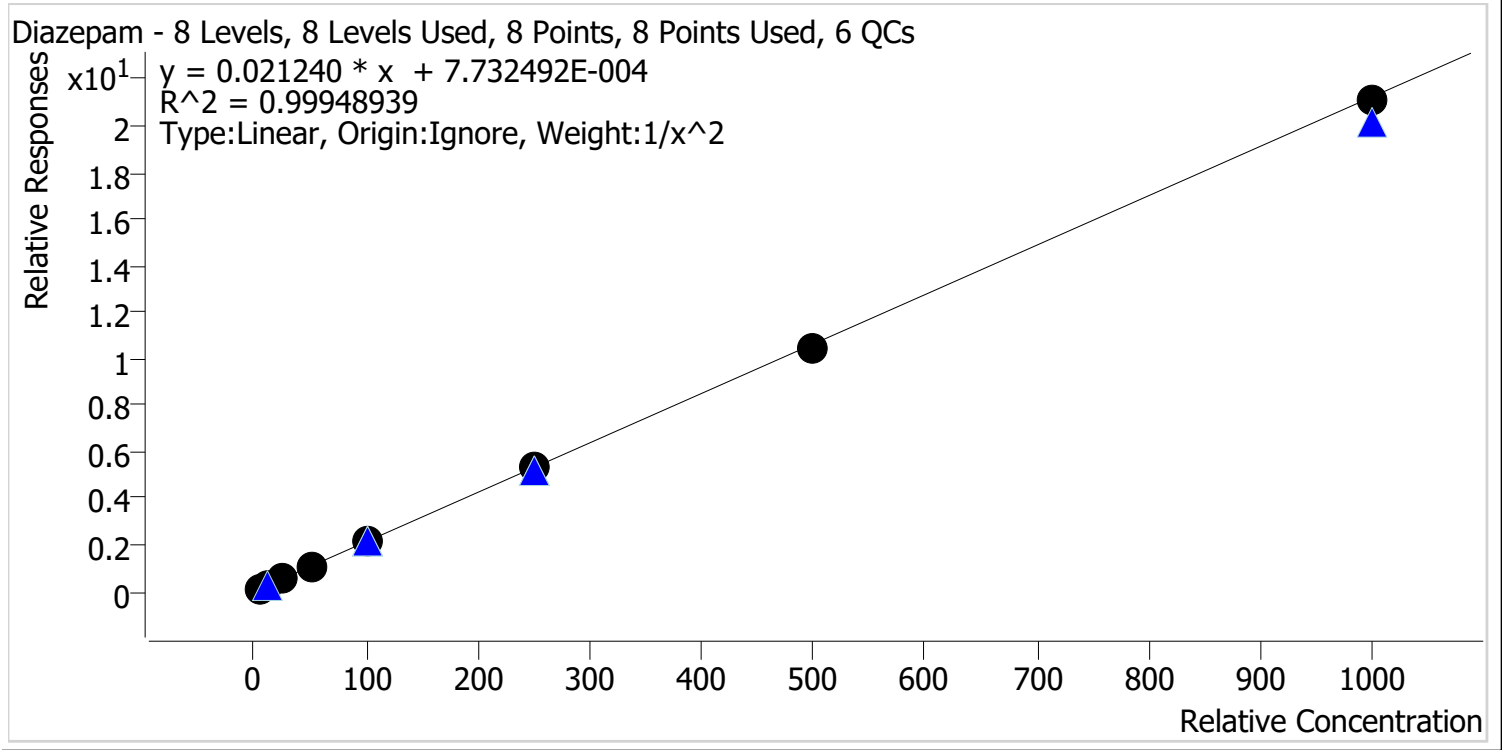
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.6
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	505.4	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1020.3	102.0

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

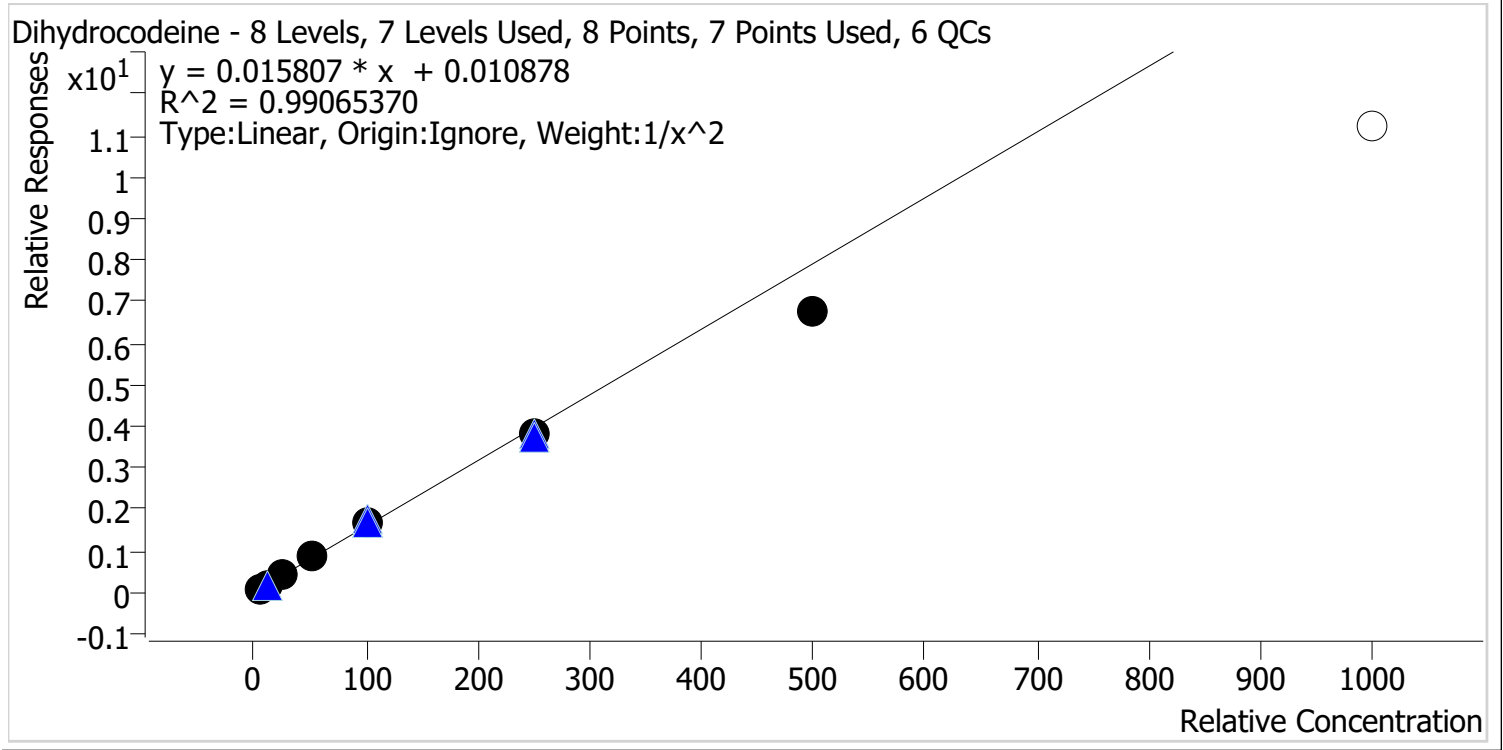


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	491.7	98.3
p1 Cal 8-1000ng	8	✓	1000.0	992.4	99.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 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	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	55.9	111.8
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	239.8	95.9
p1 Cal 7-500ng	7	✓	500.0	427.8	85.6
p1 Cal 8-1000ng	8	✗	1000.0	706.8	70.7

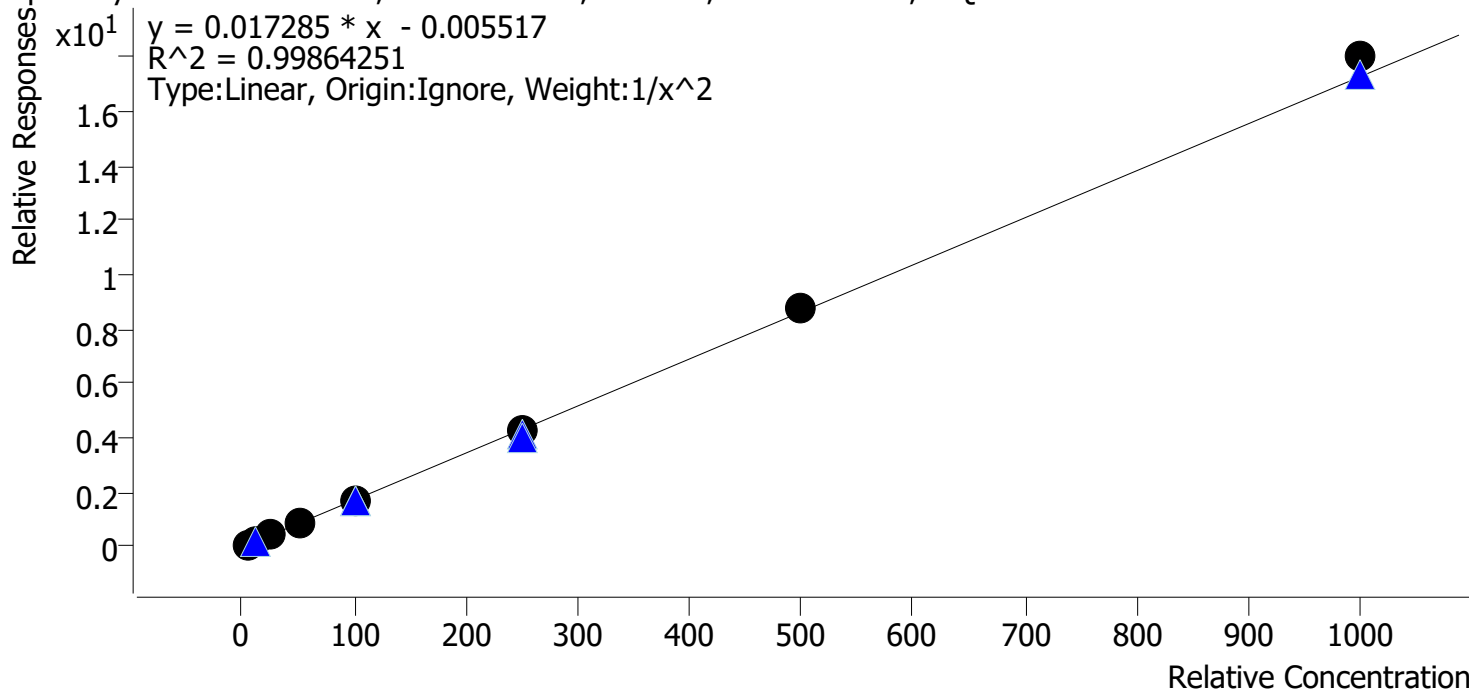
Cal 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs

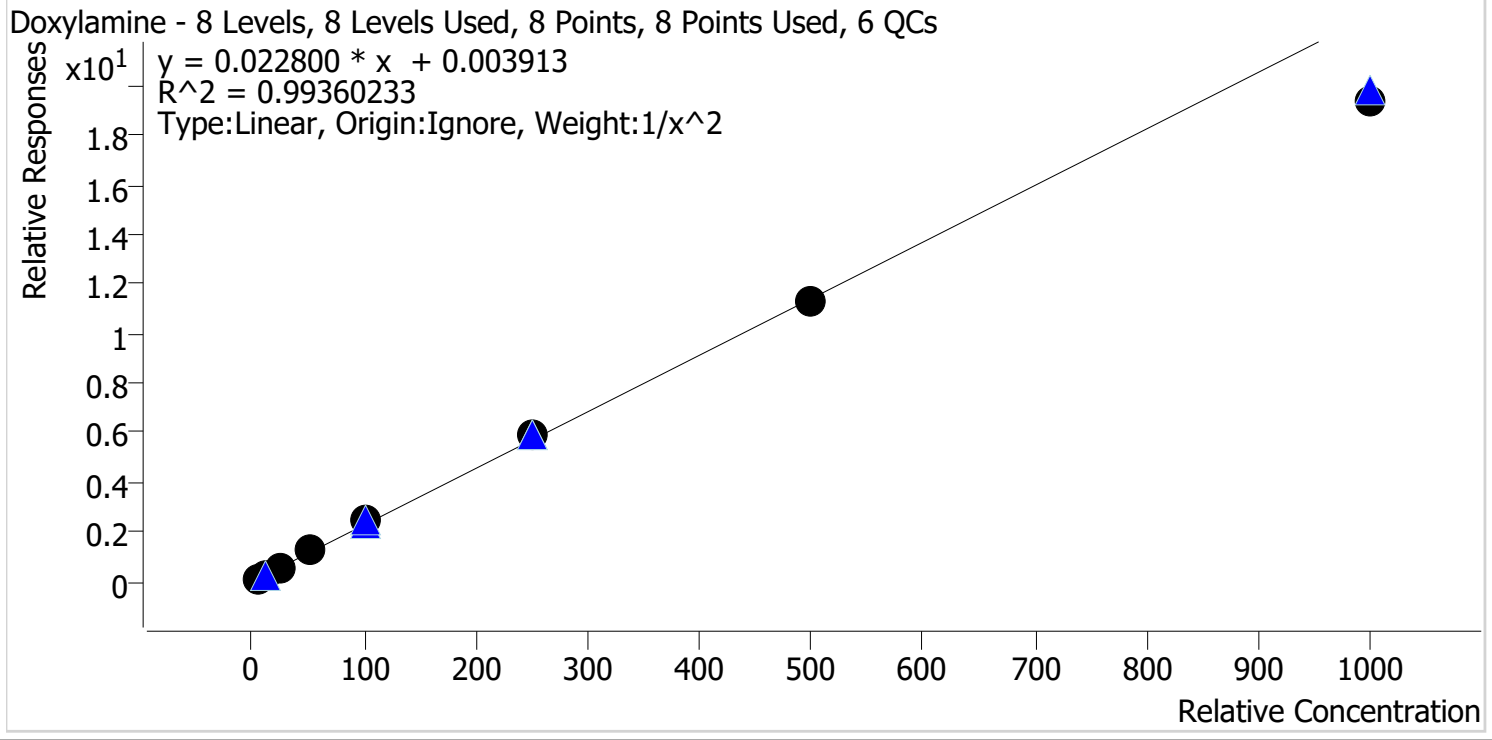


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.1
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	506.1	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1042.7	104.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

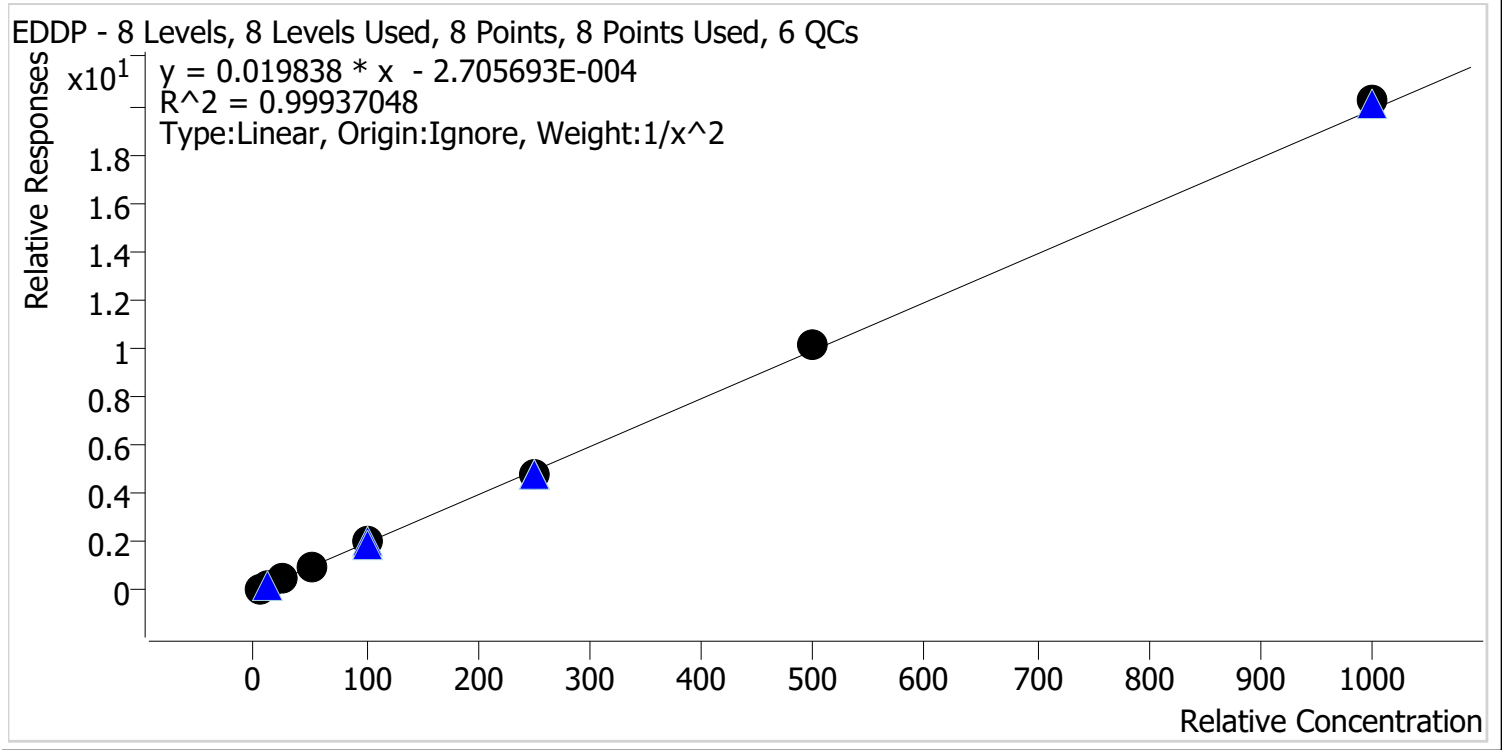


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	53.5	107.1
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	262.5	105.0
p1 Cal 7-500ng	7	✓	500.0	496.5	99.3
p1 Cal 8-1000ng	8	✓	1000.0	847.8	84.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte EDDP **Internal Standard** EDDP-D3

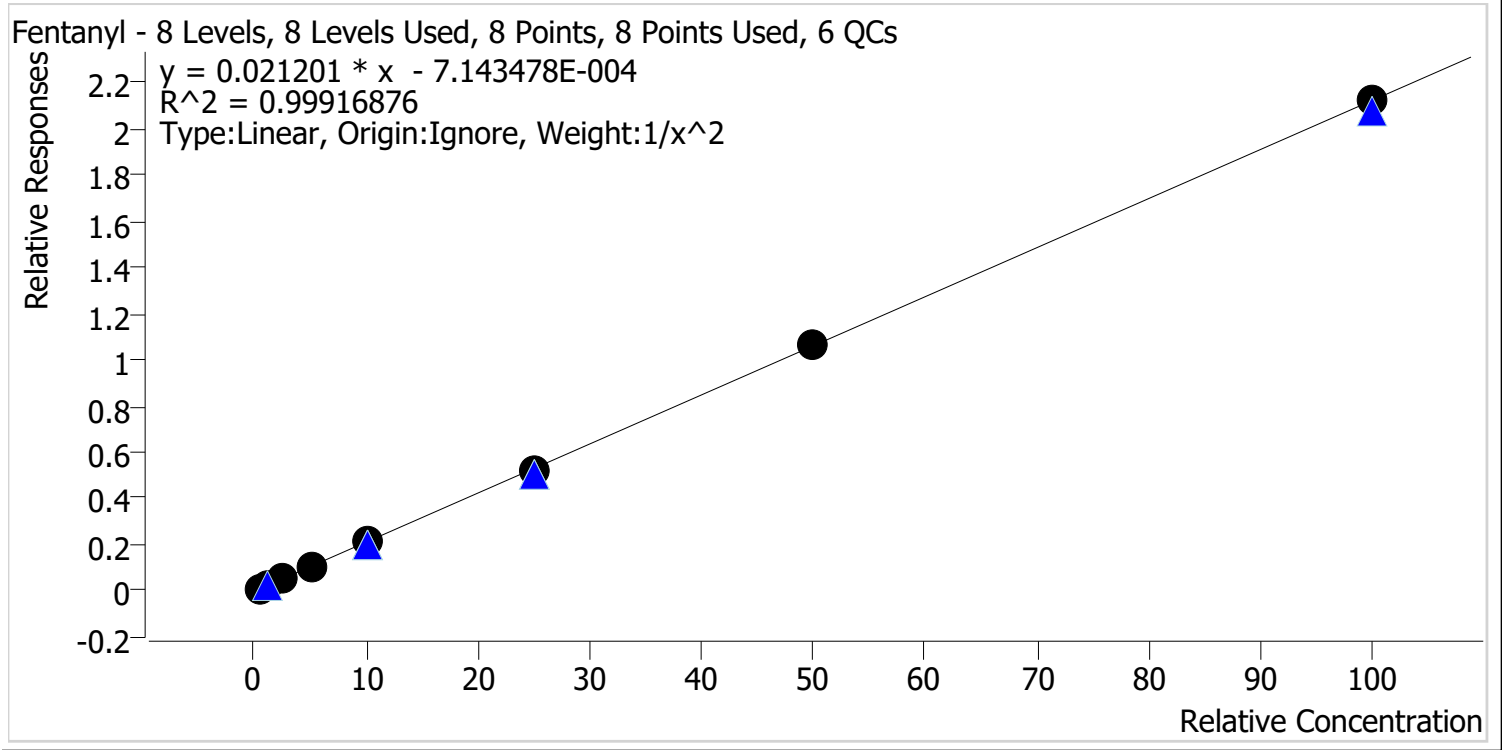


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	509.4	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1019.0	101.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

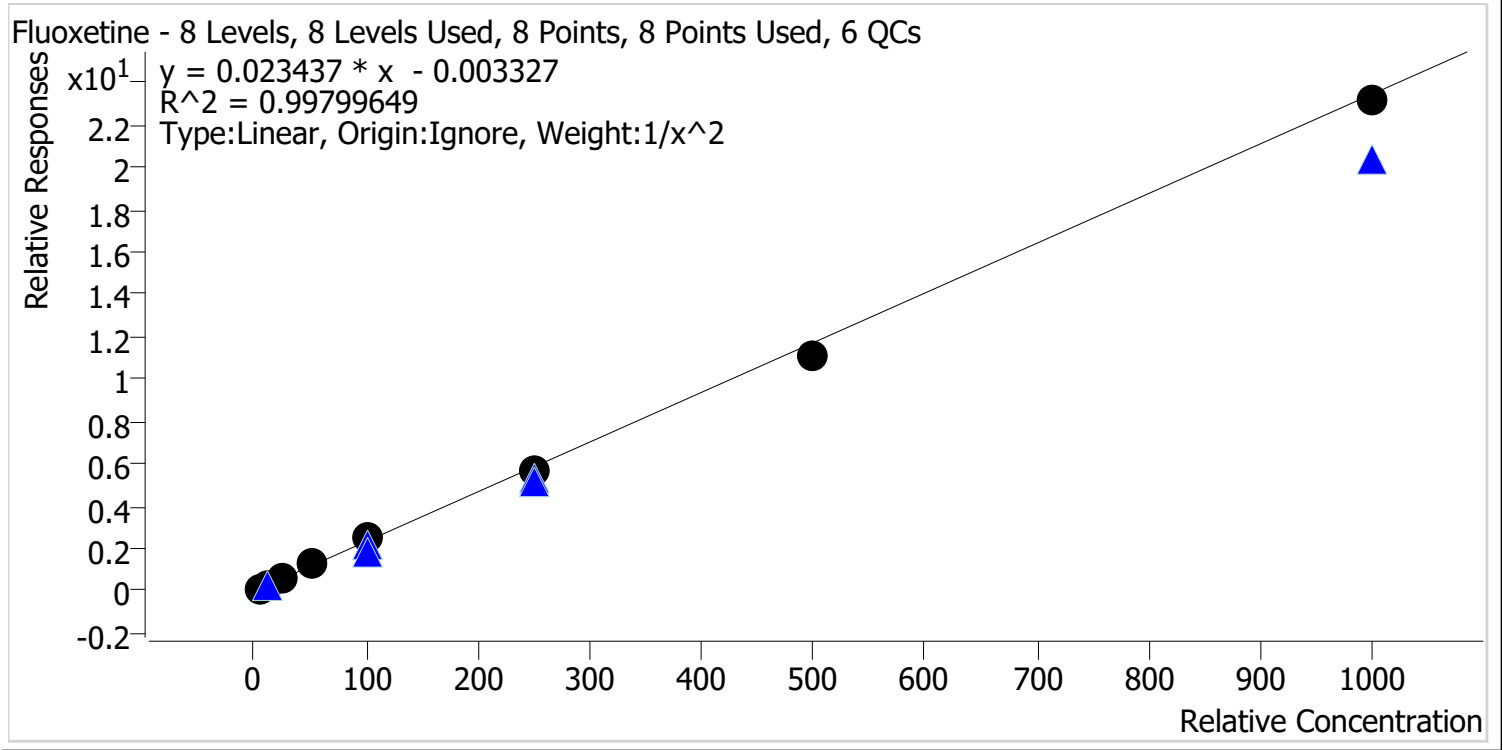


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.5
p1 Cal 2-10ng	2	✓	1.0	1.0	100.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.9
p1 Cal 4-50ng	4	✓	5.0	5.2	103.9
p1 Cal 5-100ng	5	✓	10.0	10.1	101.4
p1 Cal 6-250ng	6	✓	25.0	24.8	99.1
p1 Cal 7-500ng	7	✓	50.0	50.0	100.0
p1 Cal 8-1000ng	8	✓	100.0	100.0	100.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

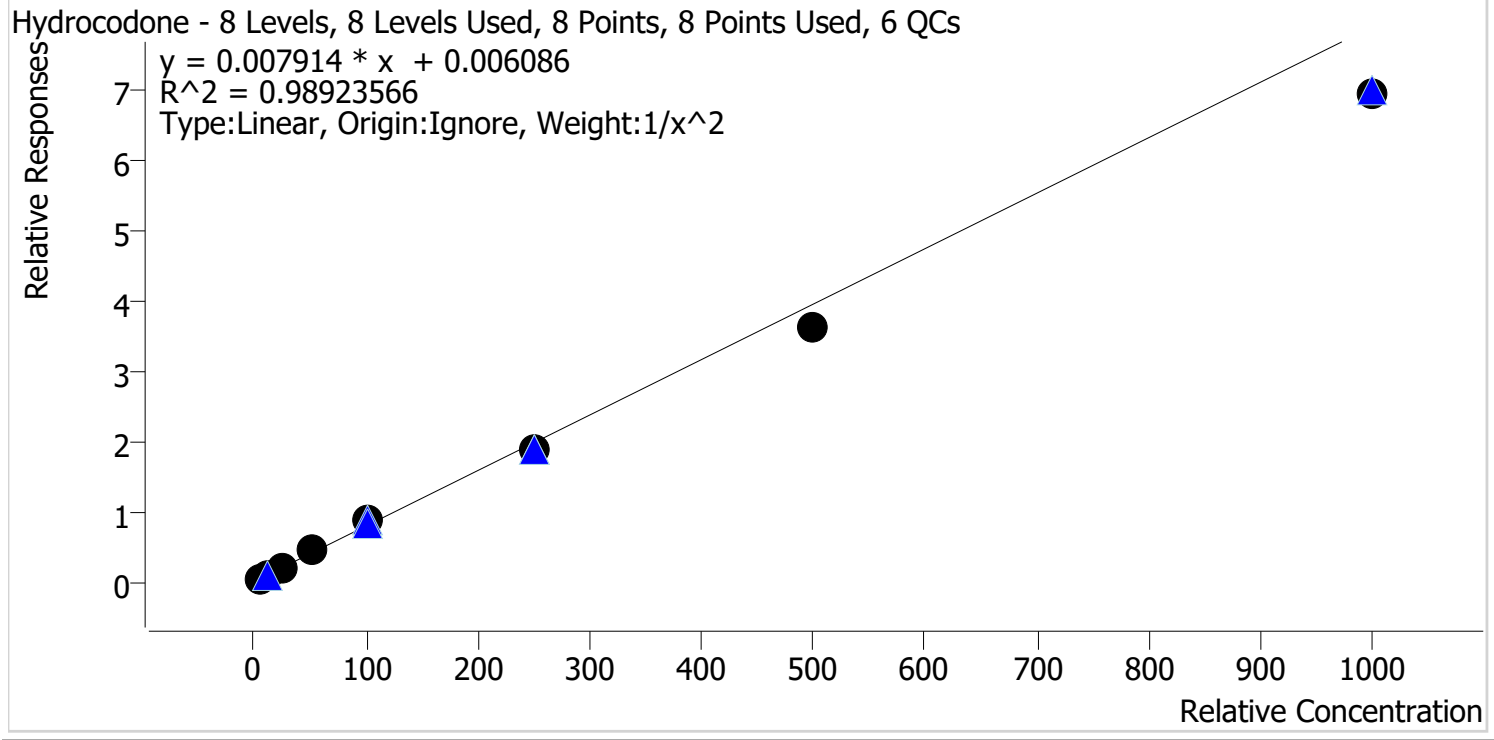


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	243.1	97.2
p1 Cal 7-500ng	7	✓	500.0	473.8	94.8
p1 Cal 8-1000ng	8	✓	1000.0	987.0	98.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

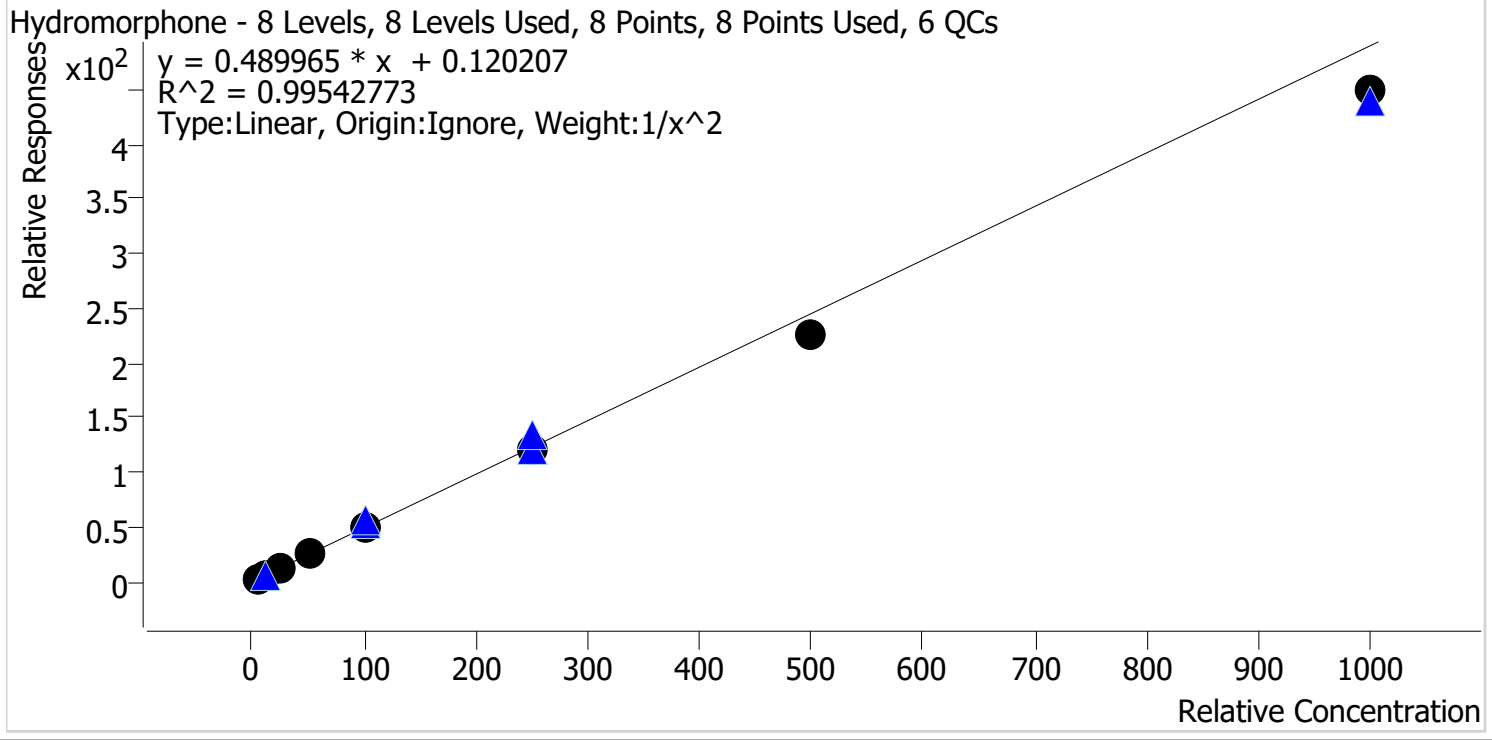


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	56.7	113.5
p1 Cal 5-100ng	5	✓	100.0	108.7	108.7
p1 Cal 6-250ng	6	✓	250.0	236.9	94.8
p1 Cal 7-500ng	7	✓	500.0	455.8	91.2
p1 Cal 8-1000ng	8	✓	1000.0	876.1	87.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Hydromorphone **Internal Standard** Morphine-D6

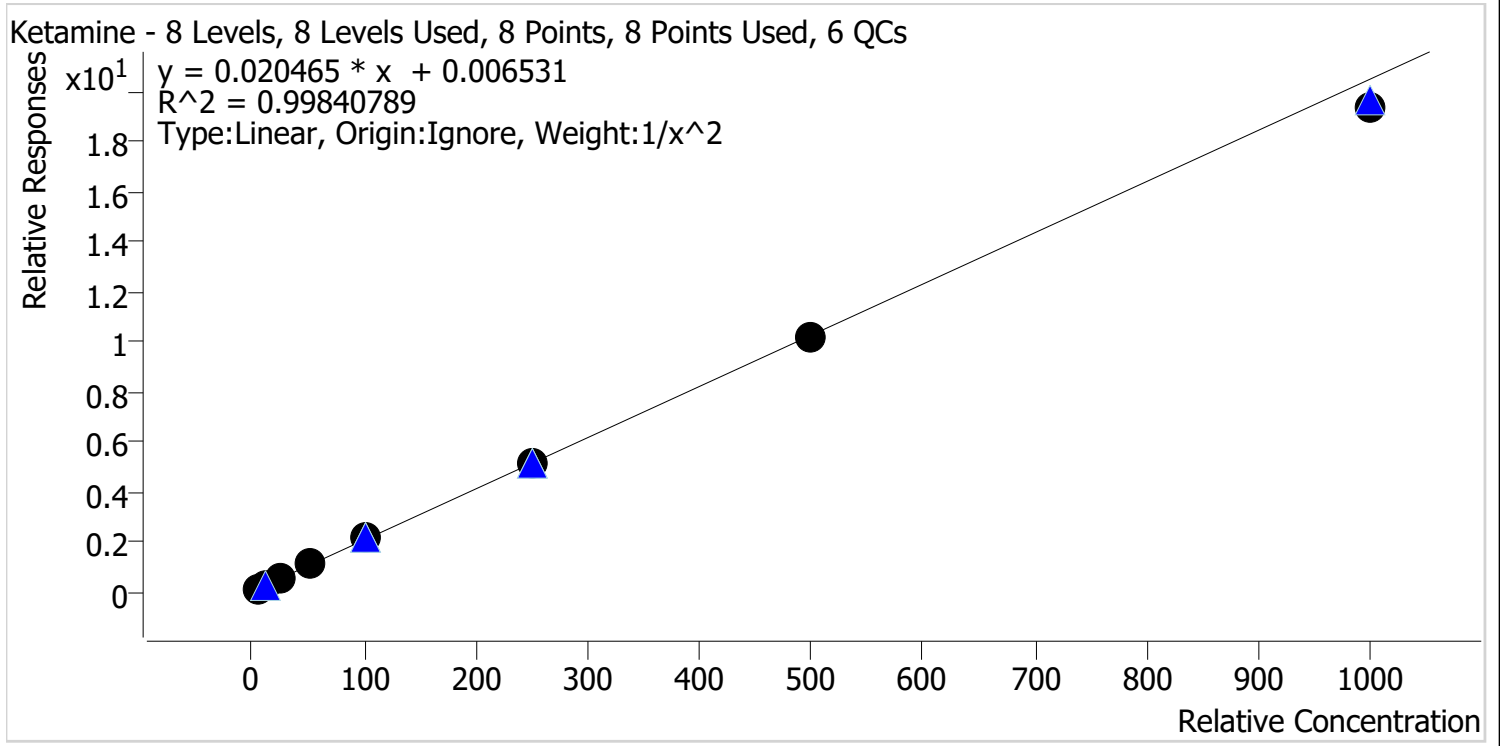


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	54.2	108.3
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	463.6	92.7
p1 Cal 8-1000ng	8	✓	1000.0	916.3	91.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

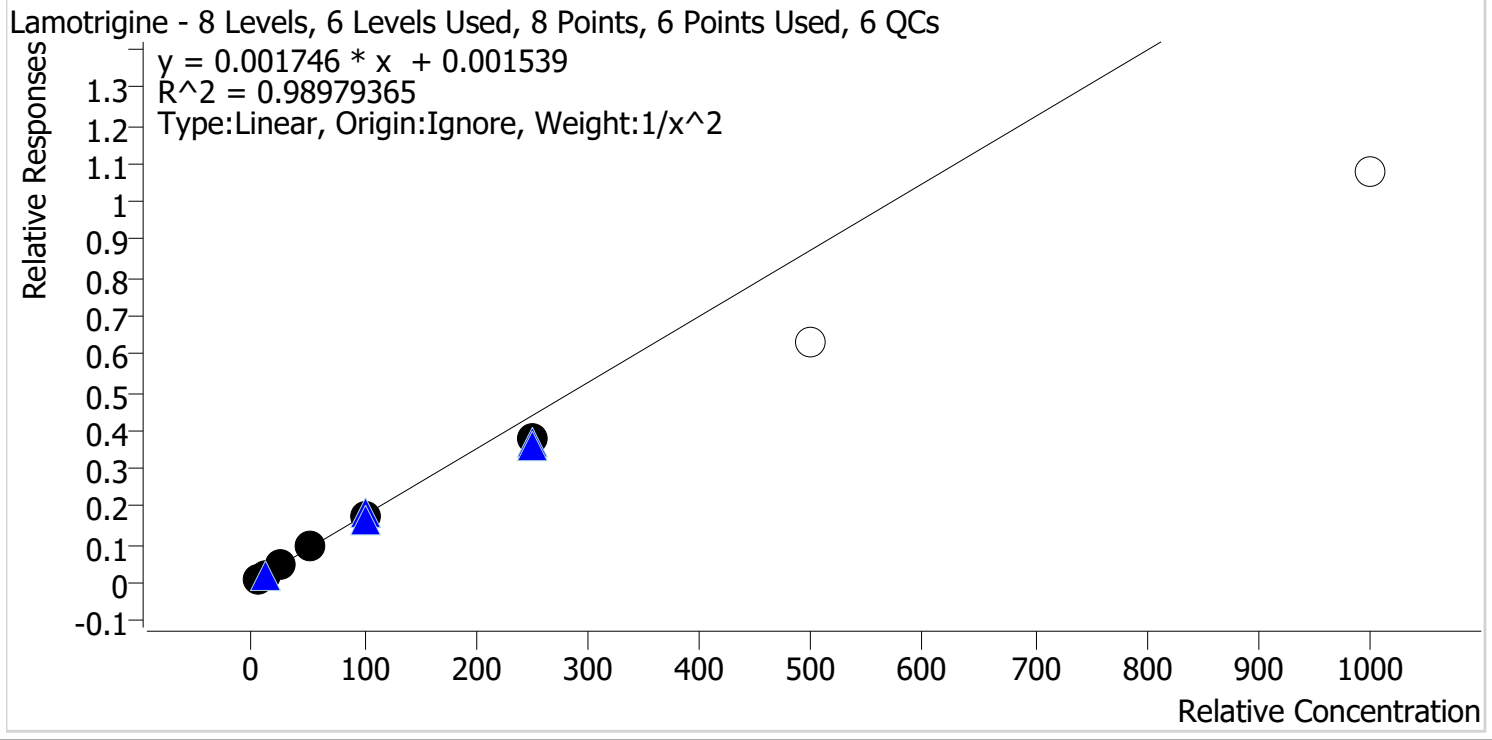


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	947.1	94.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



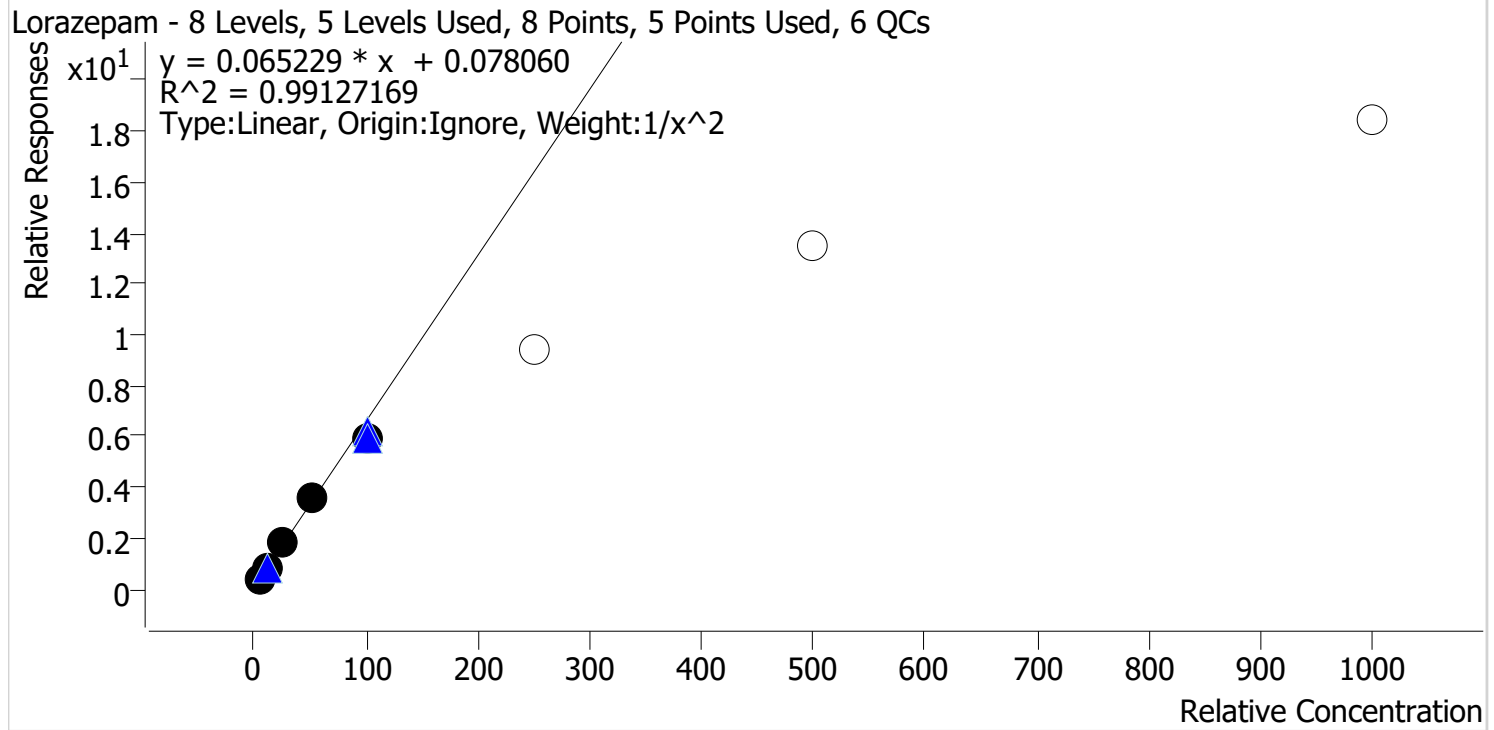
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	213.7	85.5
p1 Cal 7-500ng	7	x	500.0	362.2	72.4
p1 Cal 8-1000ng	8	x	1000.0	617.2	61.7

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4



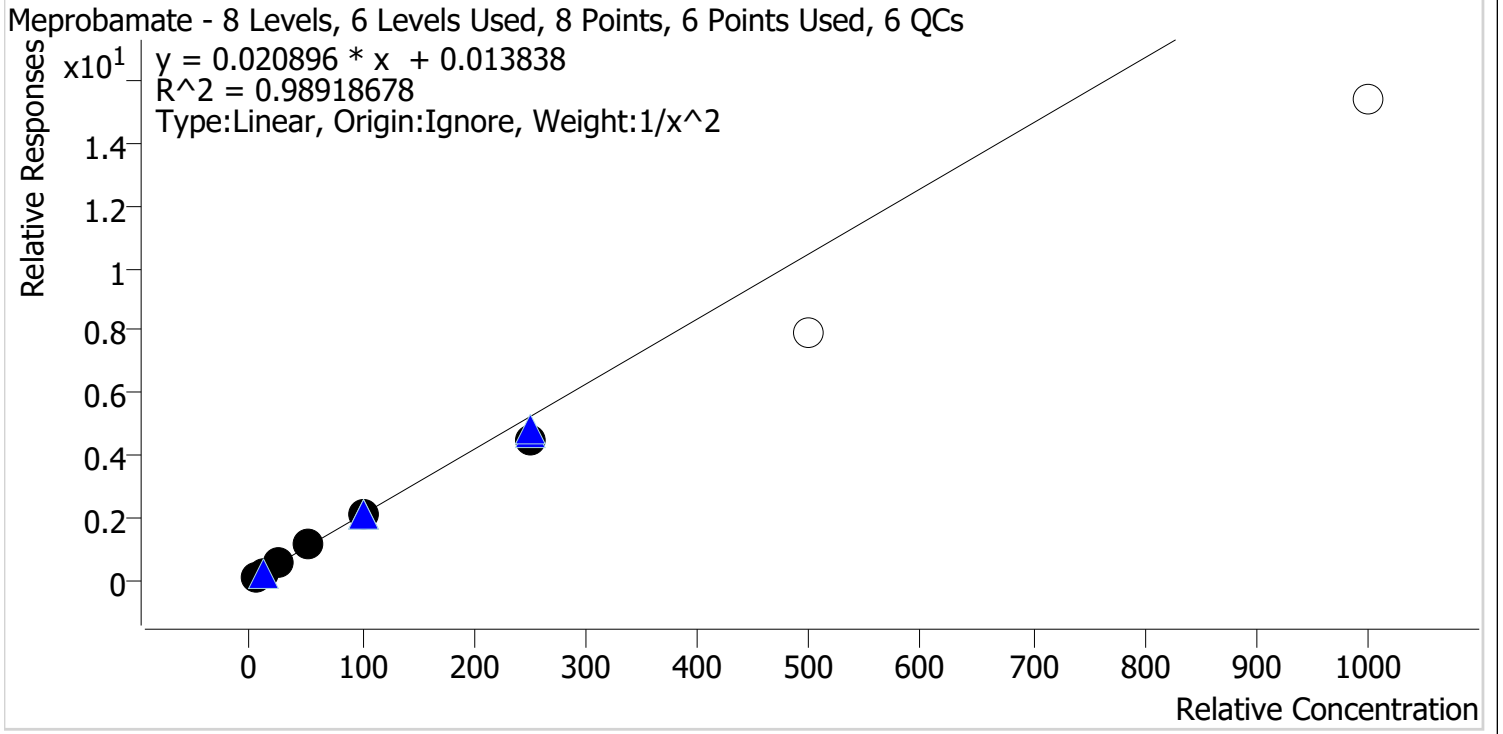
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	88.5	88.5
p1 Cal 6-250ng	6	✗	250.0	143.0	57.2
p1 Cal 7-500ng	7	✗	500.0	205.3	41.1
p1 Cal 8-1000ng	8	✗	1000.0	282.6	28.3

Calibrators 6, 7, and 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



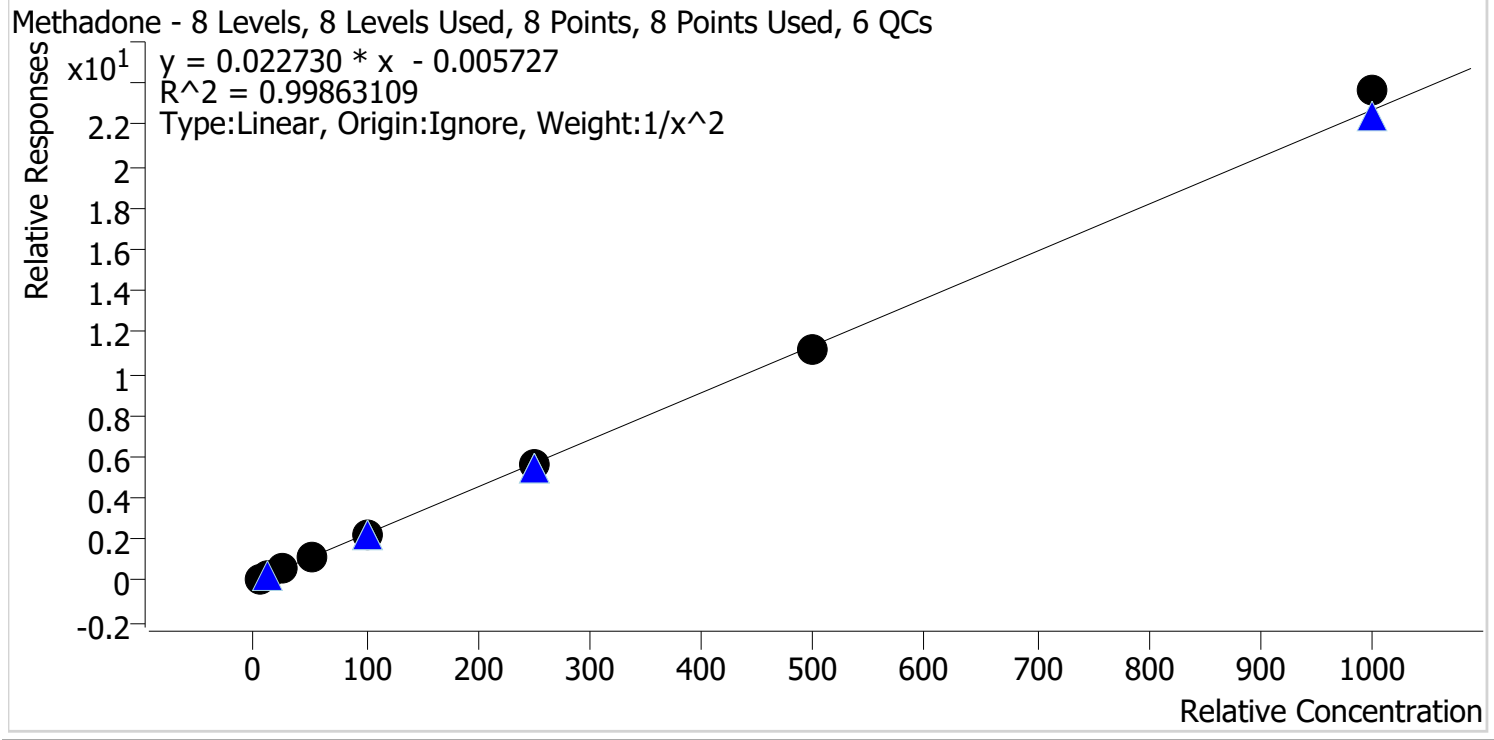
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.6
p1 Cal 4-50ng	4	✓	50.0	55.2	110.4
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	212.4	85.0
p1 Cal 7-500ng	7	✗	500.0	381.7	76.3
p1 Cal 8-1000ng	8	✗	1000.0	736.1	73.6

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9

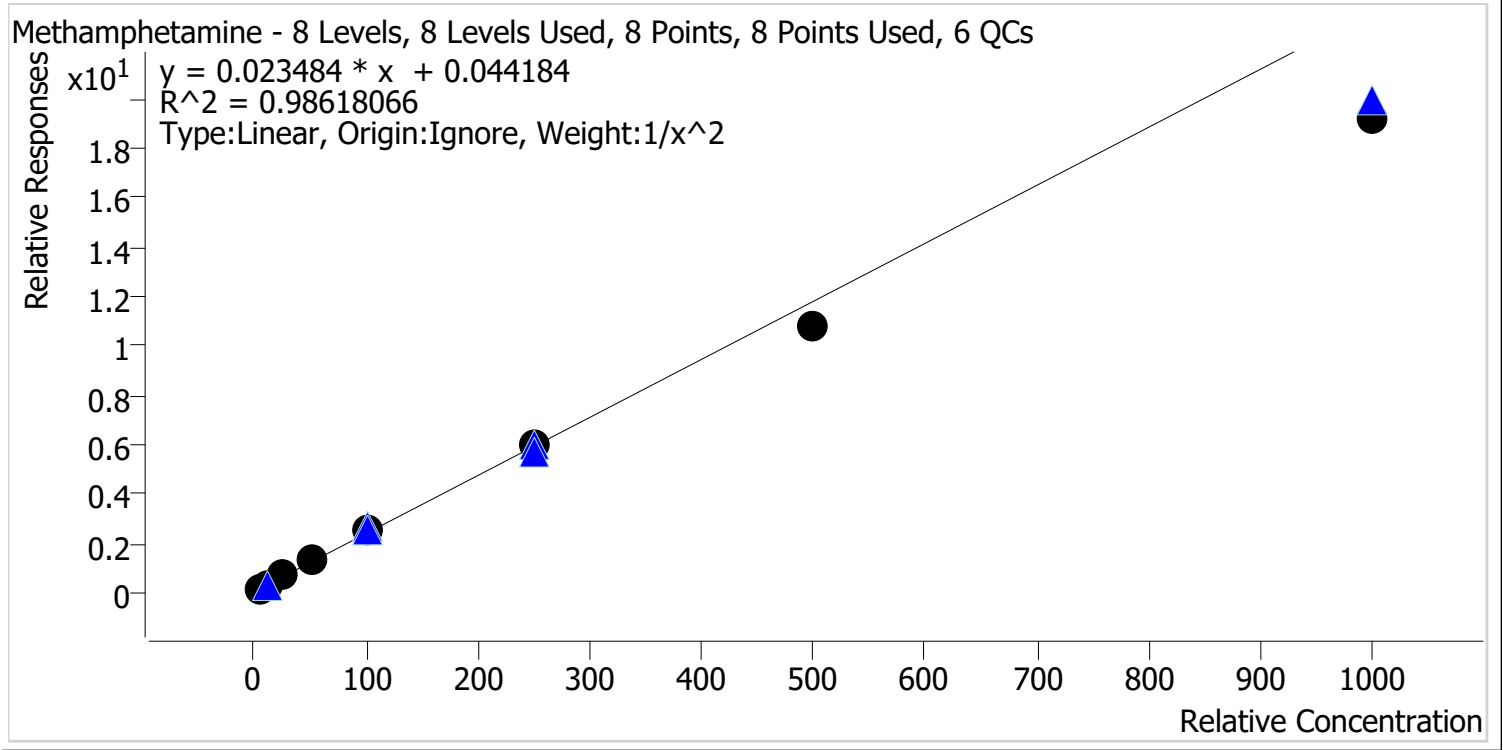


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	493.0	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1041.3	104.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

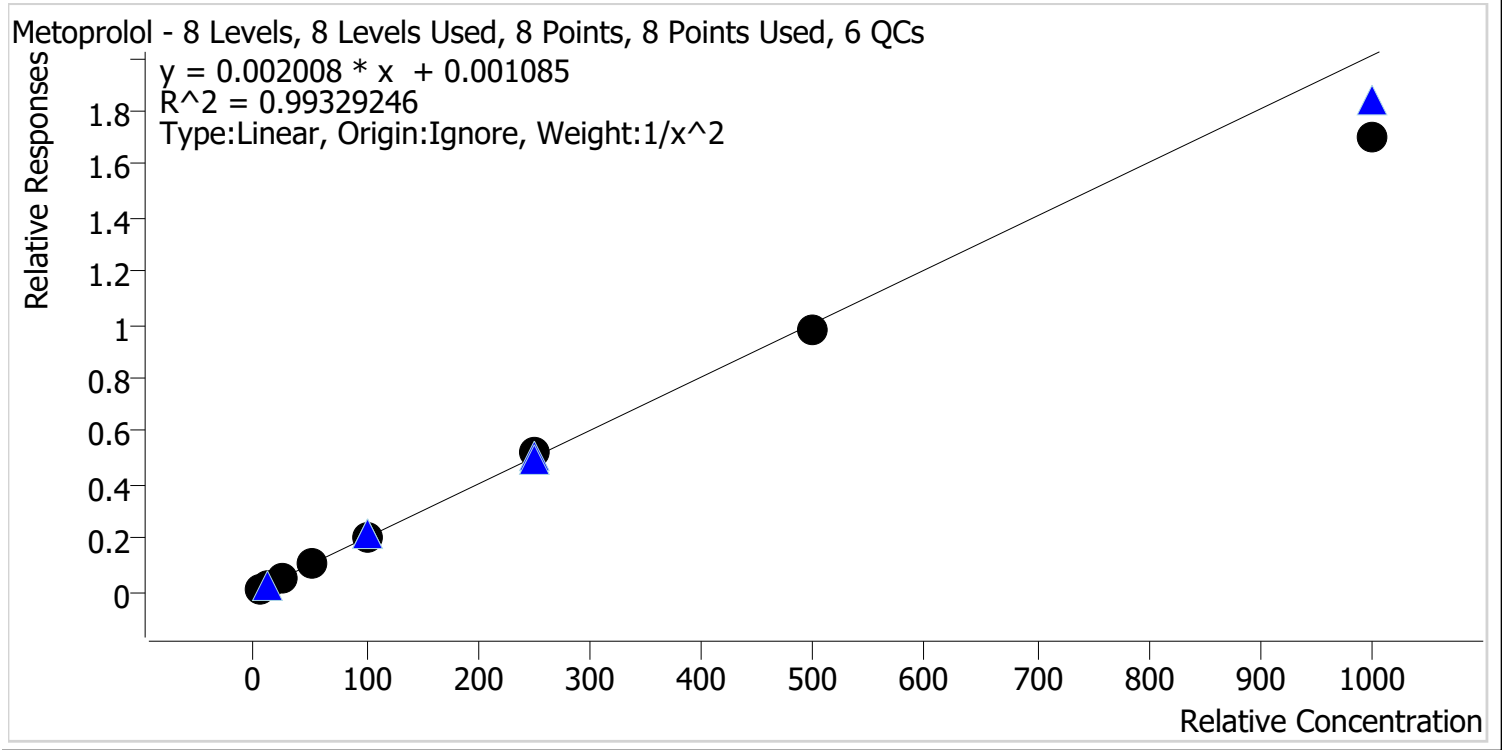


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.6
p1 Cal 4-50ng	4	✓	50.0	57.2	114.4
p1 Cal 5-100ng	5	✓	100.0	107.1	107.1
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	459.9	92.0
p1 Cal 8-1000ng	8	✓	1000.0	813.6	81.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

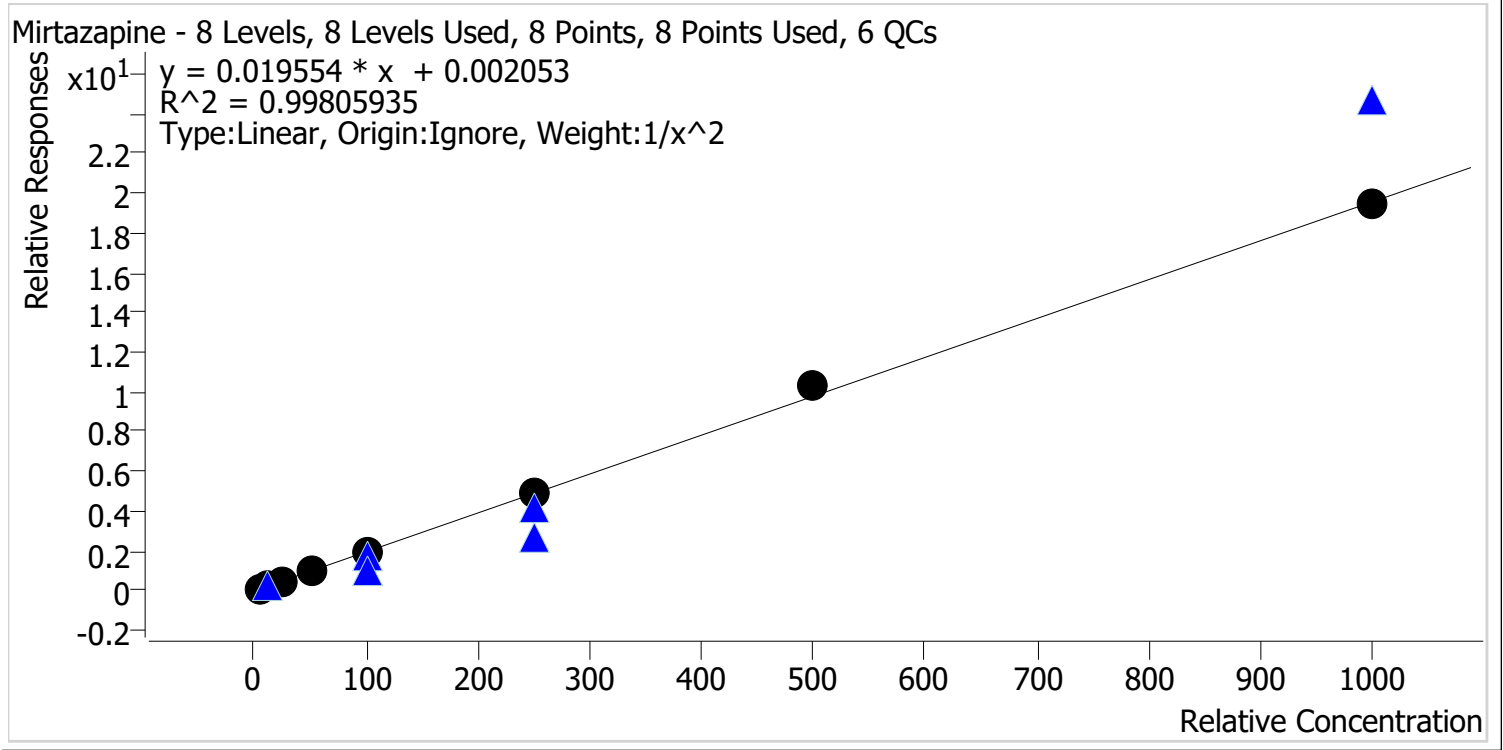


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	259.8	103.9
p1 Cal 7-500ng	7	✓	500.0	485.5	97.1
p1 Cal 8-1000ng	8	✓	1000.0	850.3	85.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



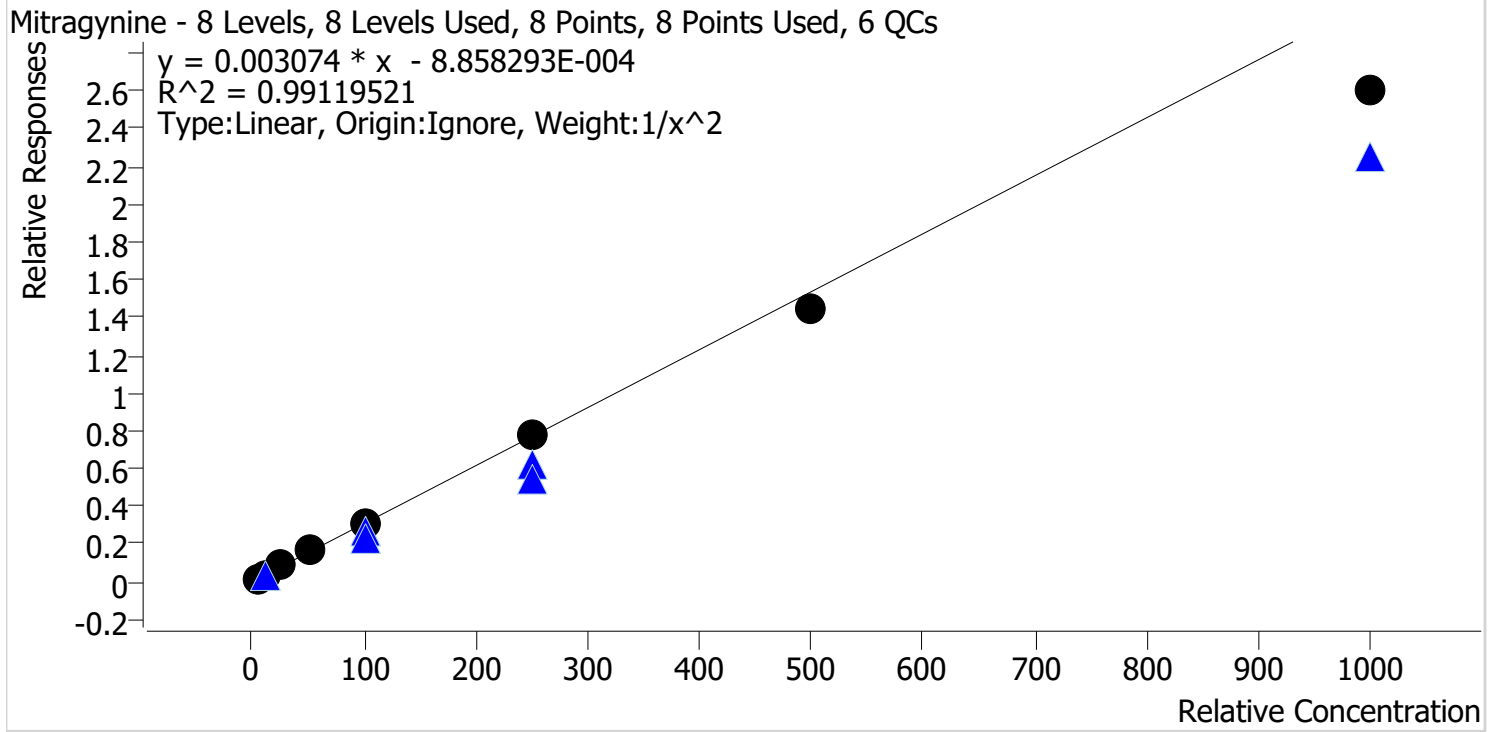
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.6	95.5
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	246.9	98.7
p1 Cal 7-500ng	7	✓	500.0	532.2	106.4
p1 Cal 8-1000ng	8	✓	1000.0	991.0	99.1

g



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

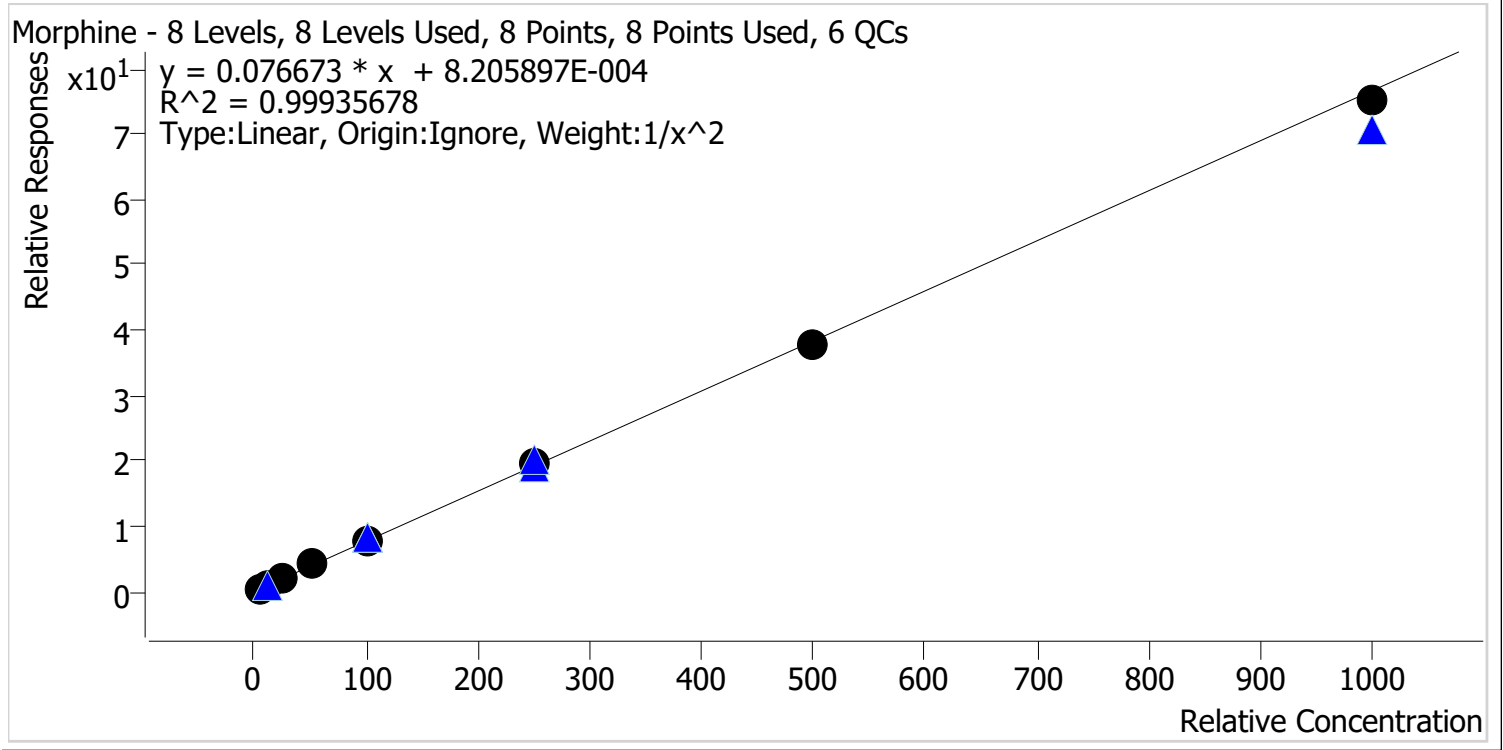


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.8
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	471.4	94.3
p1 Cal 8-1000ng	8	✓	1000.0	846.9	84.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Morphine **Internal Standard** Morphine-D6



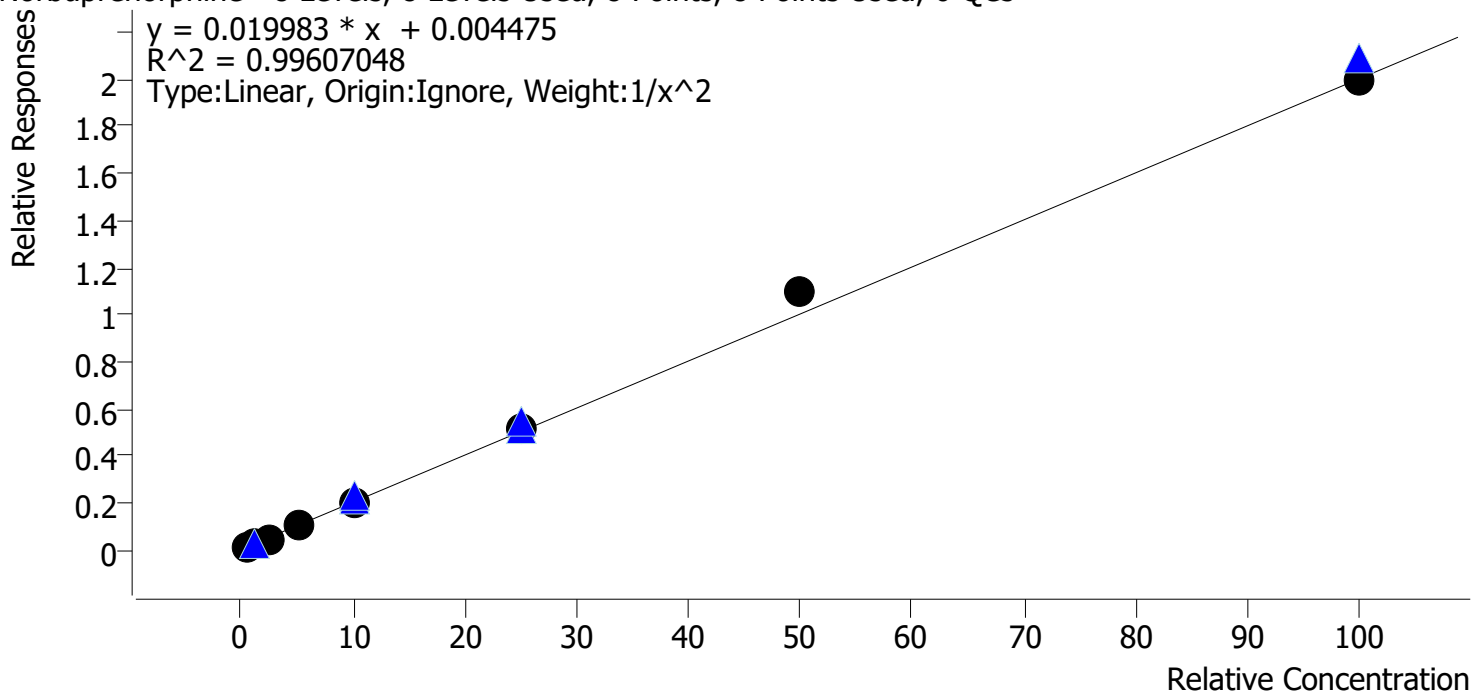
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	492.5	98.5
p1 Cal 8-1000ng	8	✓	1000.0	980.2	98.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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

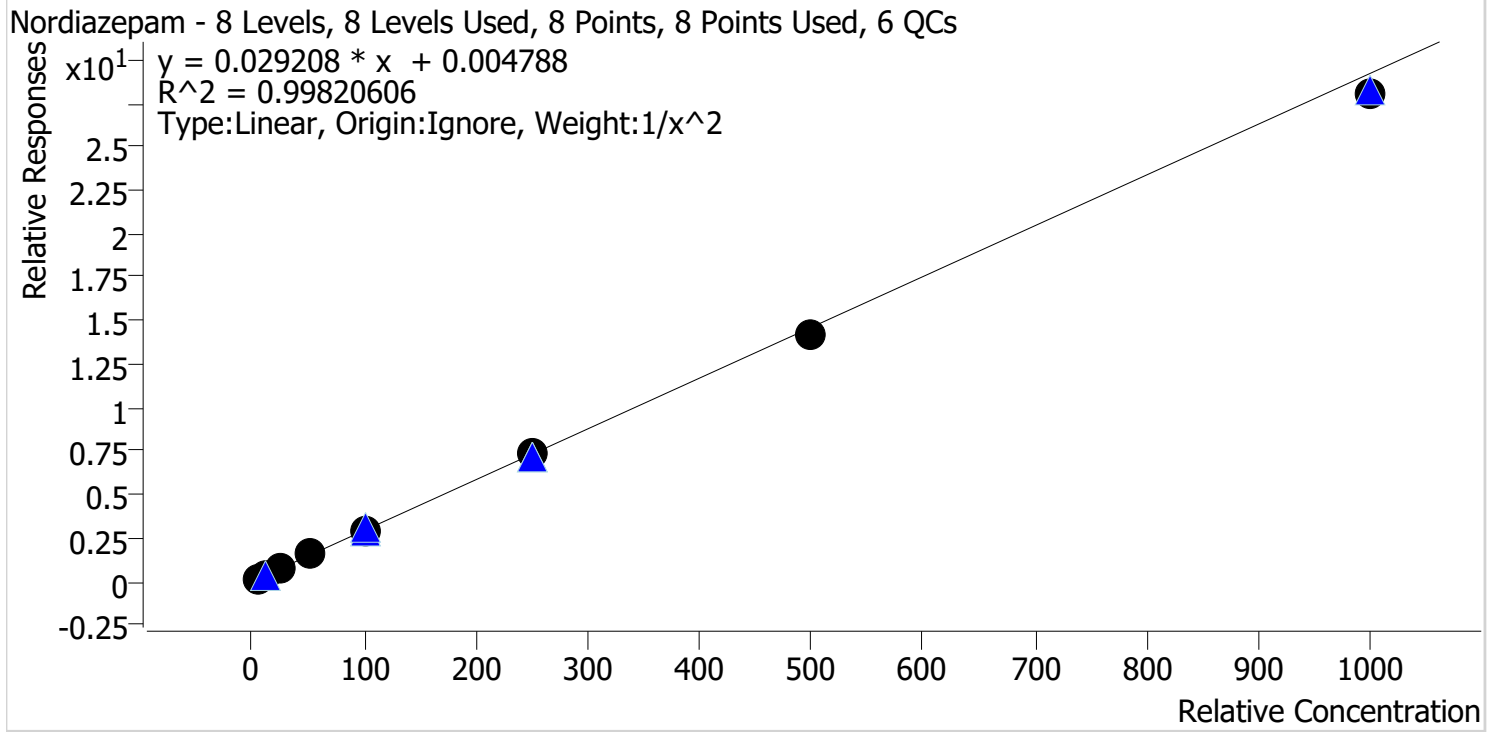


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.5
p1 Cal 2-10ng	2	✓	1.0	1.0	100.8
p1 Cal 3 -25ng	3	✓	2.5	2.3	90.1
p1 Cal 4-50ng	4	✓	5.0	5.1	102.2
p1 Cal 5-100ng	5	✓	10.0	9.6	95.5
p1 Cal 6-250ng	6	✓	25.0	25.2	100.8
p1 Cal 7-500ng	7	✓	50.0	54.5	109.0
p1 Cal 8-1000ng	8	✓	100.0	100.0	100.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

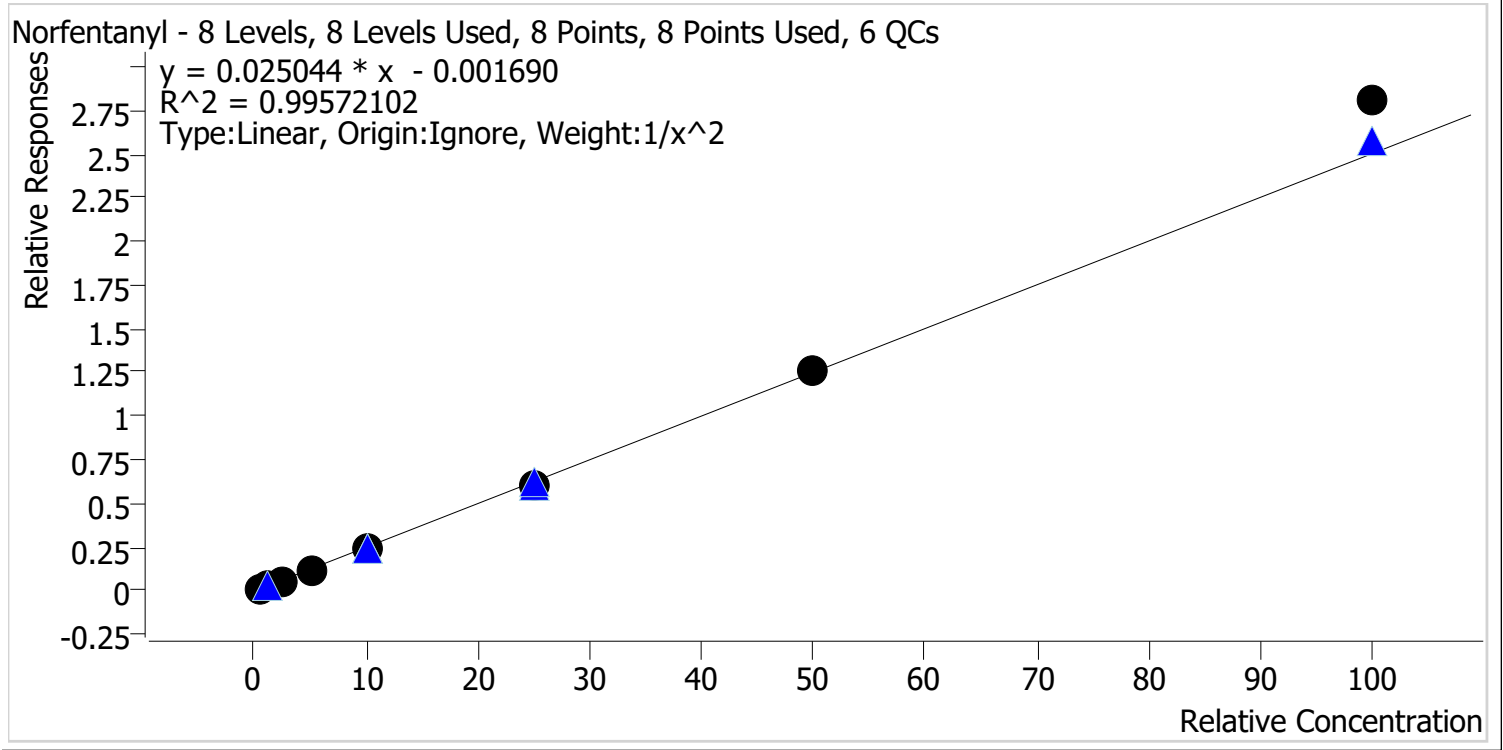


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	486.5	97.3
p1 Cal 8-1000ng	8	✓	1000.0	957.8	95.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

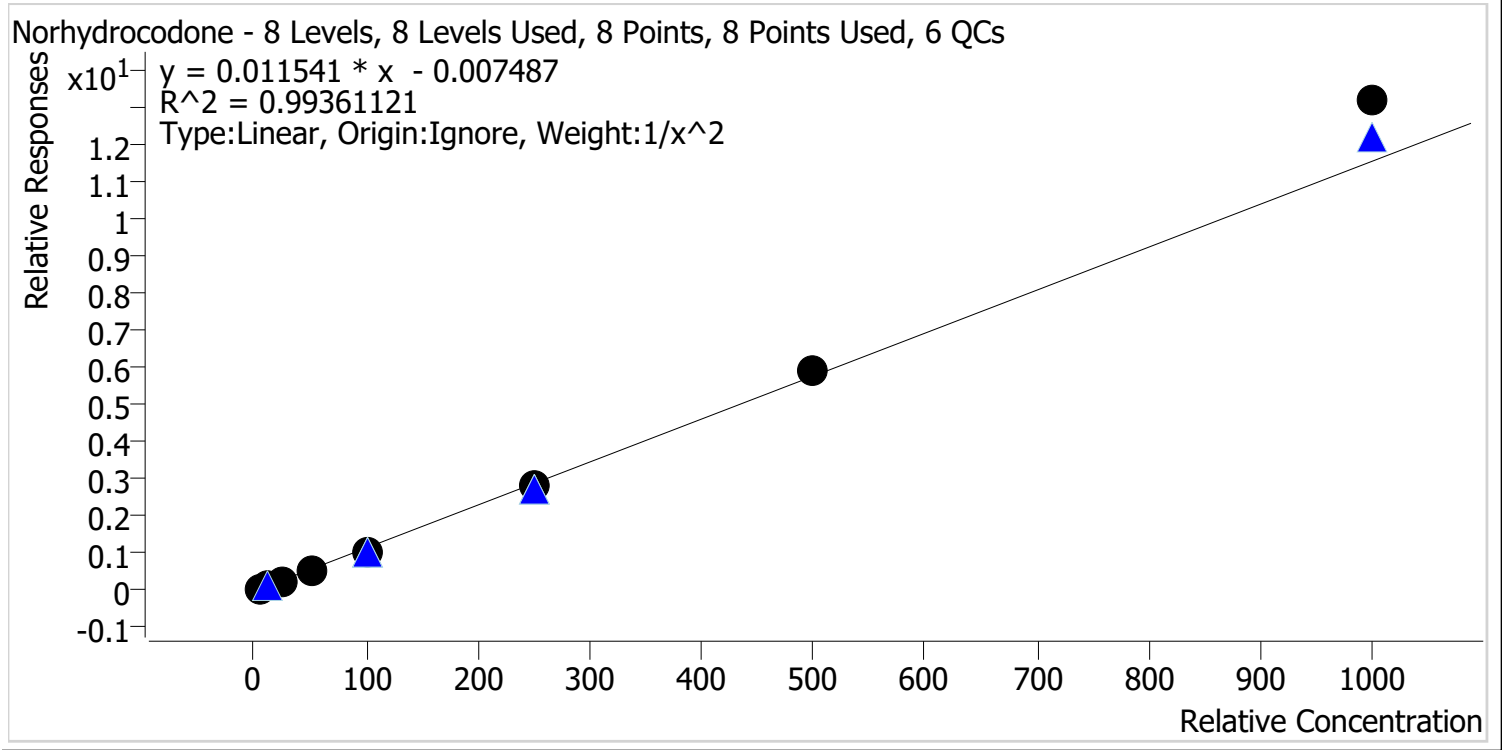


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.2
p1 Cal 2-10ng	2	✓	1.0	1.0	96.3
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.6
p1 Cal 4-50ng	4	✓	5.0	5.0	99.4
p1 Cal 5-100ng	5	✓	10.0	9.5	95.5
p1 Cal 6-250ng	6	✓	25.0	24.5	97.9
p1 Cal 7-500ng	7	✓	50.0	50.5	101.0
p1 Cal 8-1000ng	8	✓	100.0	112.1	112.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

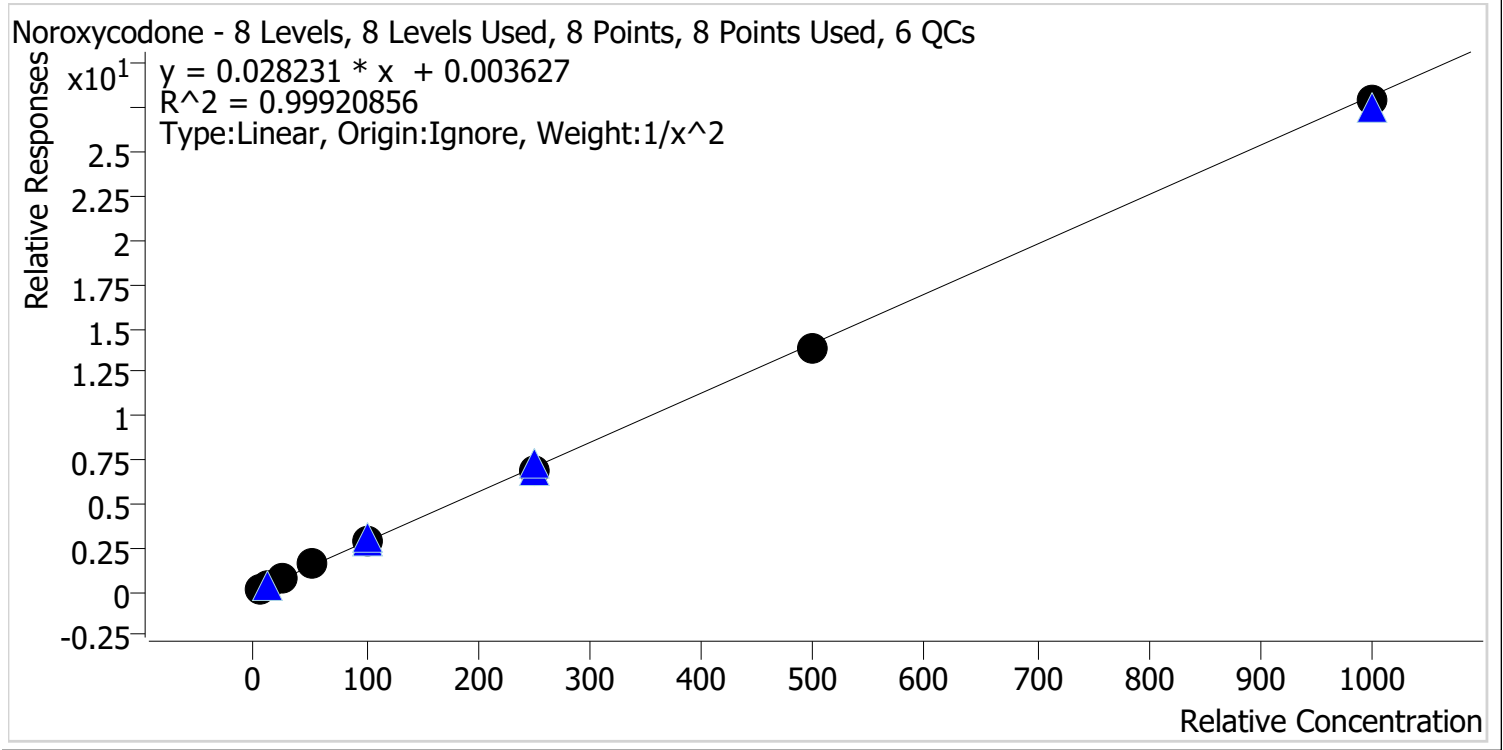


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.2
p1 Cal 2-10ng	2	✓	10.0	9.3	93.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	92.4	92.4
p1 Cal 6-250ng	6	✓	250.0	242.2	96.9
p1 Cal 7-500ng	7	✓	500.0	510.1	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1141.1	114.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

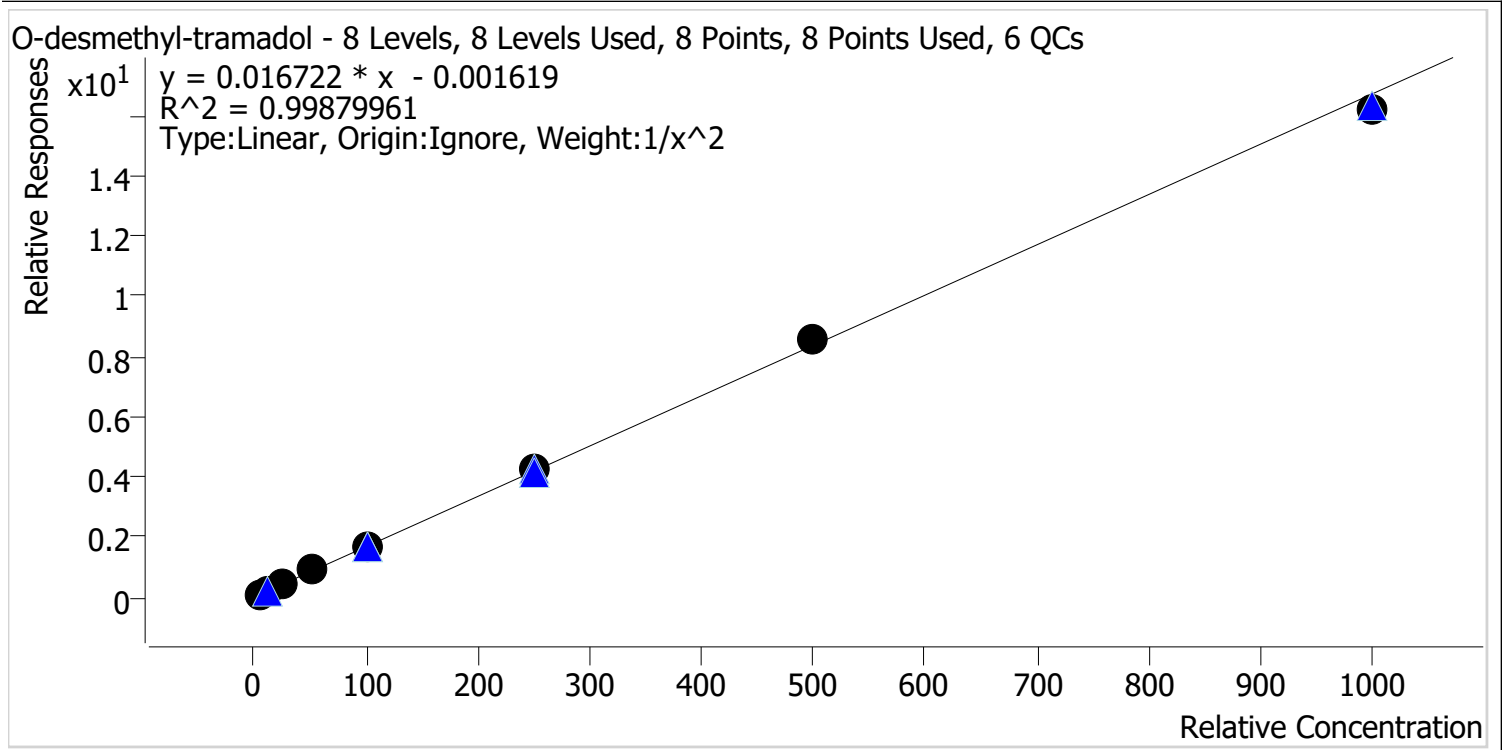


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	491.7	98.3
p1 Cal 8-1000ng	8	✓	1000.0	990.1	99.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



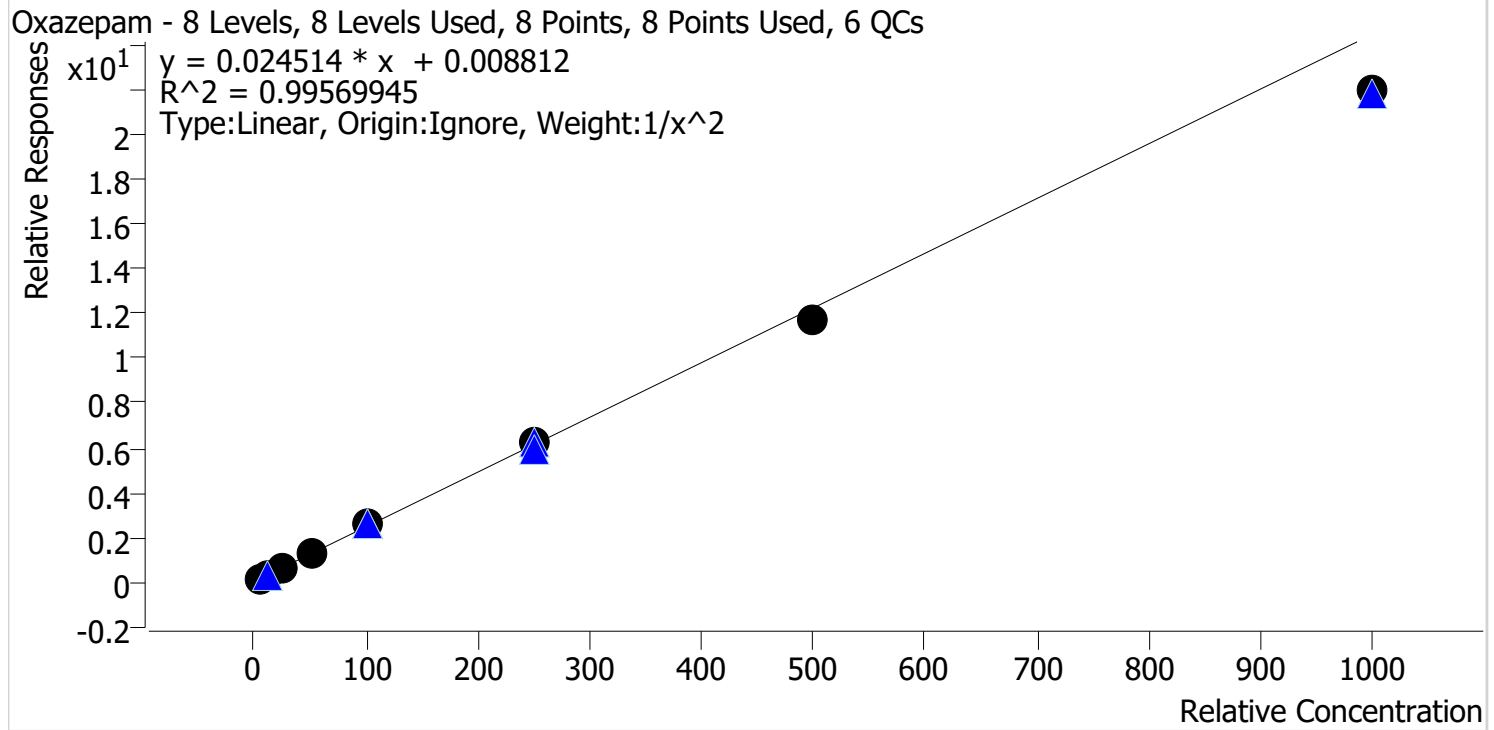
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	508.8	101.8
p1 Cal 8-1000ng	8	✓	1000.0	969.2	96.9

g



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5



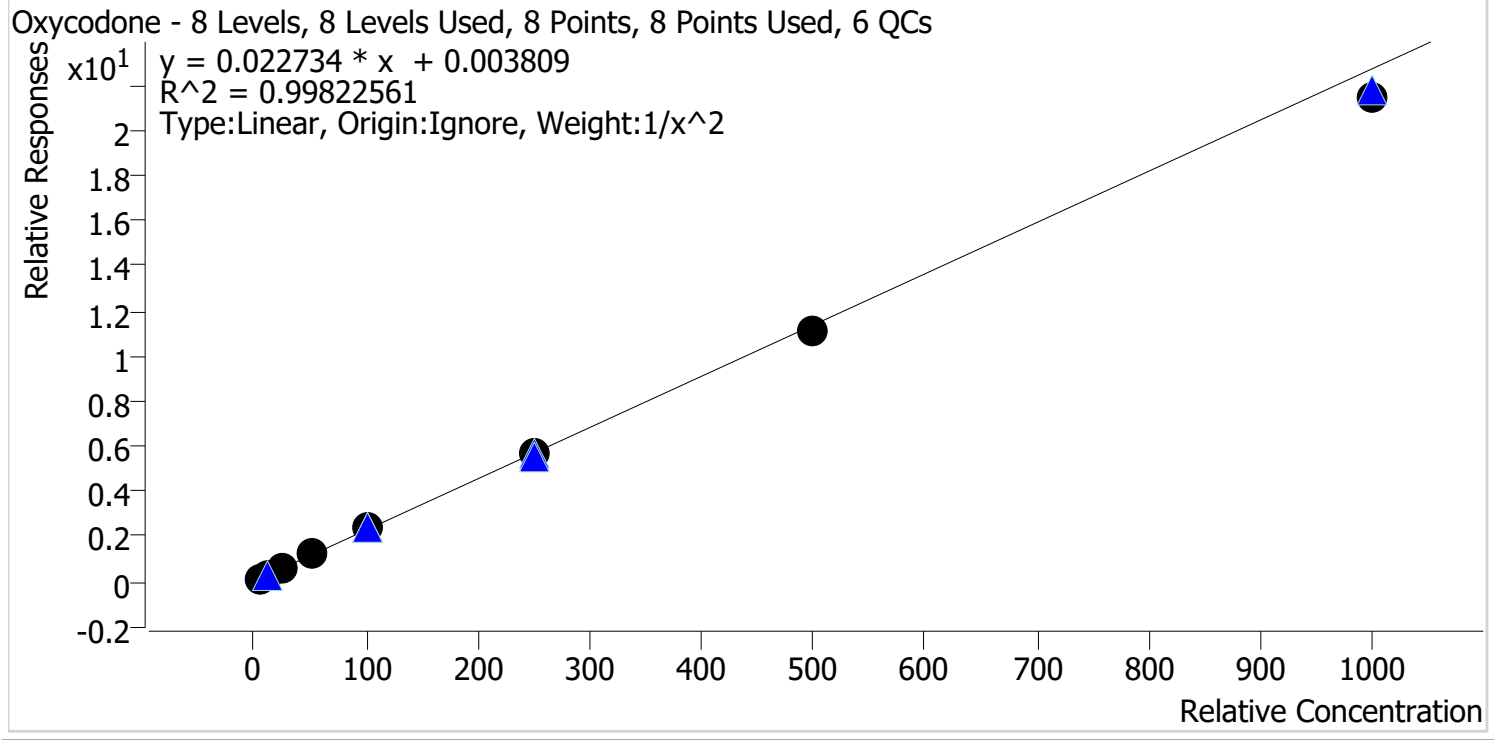
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	54.5	108.9
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	252.4	100.9
p1 Cal 7-500ng	7	✓	500.0	480.4	96.1
p1 Cal 8-1000ng	8	✓	1000.0	897.4	89.7

g



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



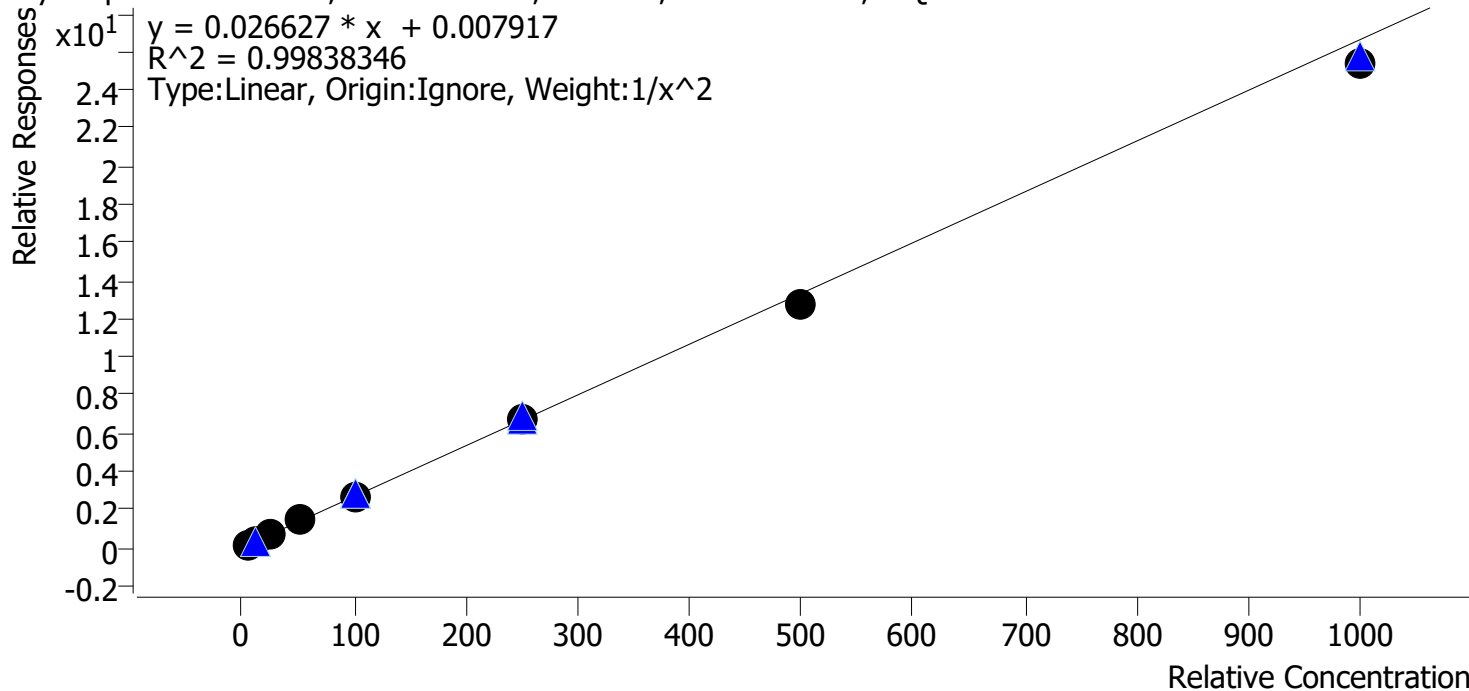
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	488.3	97.7
p1 Cal 8-1000ng	8	✓	1000.0	943.8	94.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

Oxymorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs

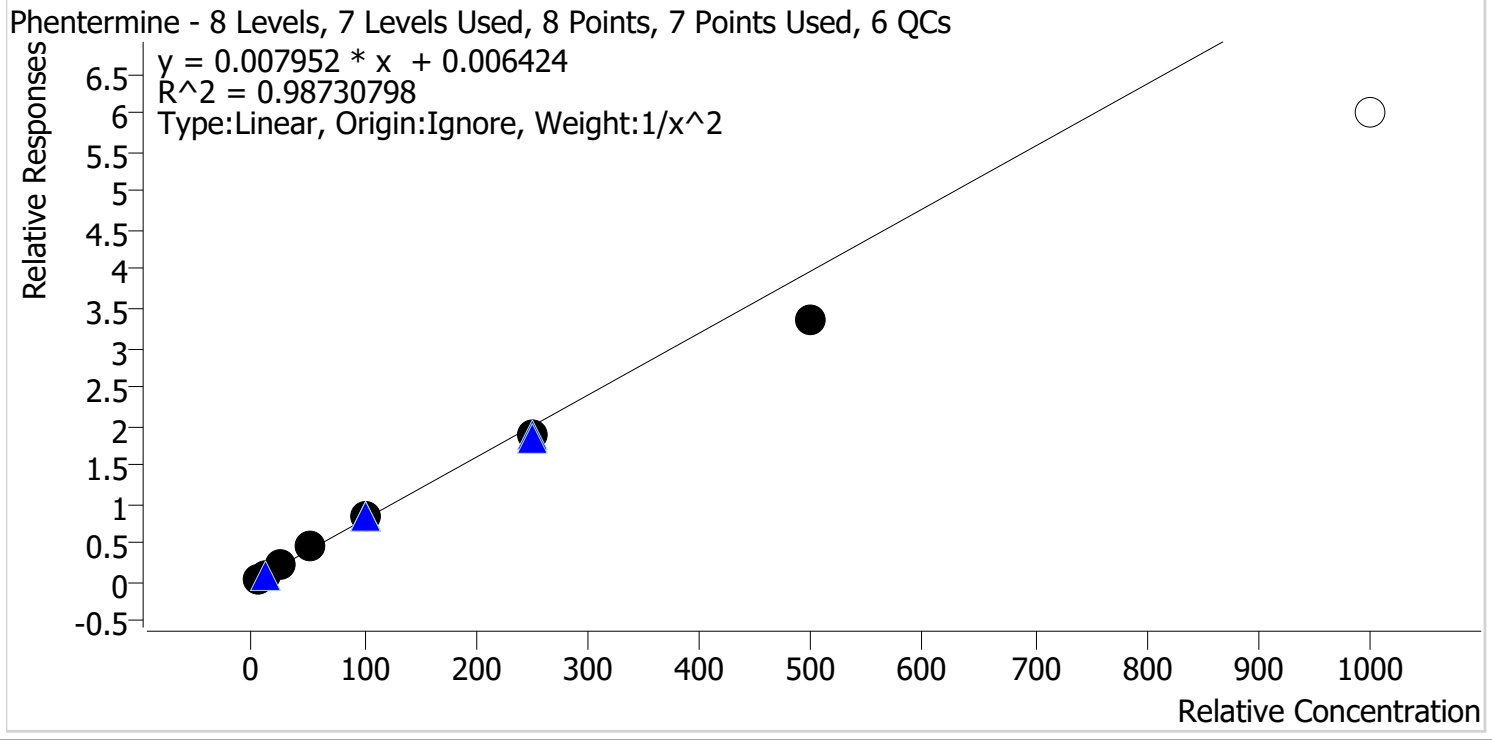


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	53.4	106.9
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	481.0	96.2
p1 Cal 8-1000ng	8	✓	1000.0	954.7	95.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



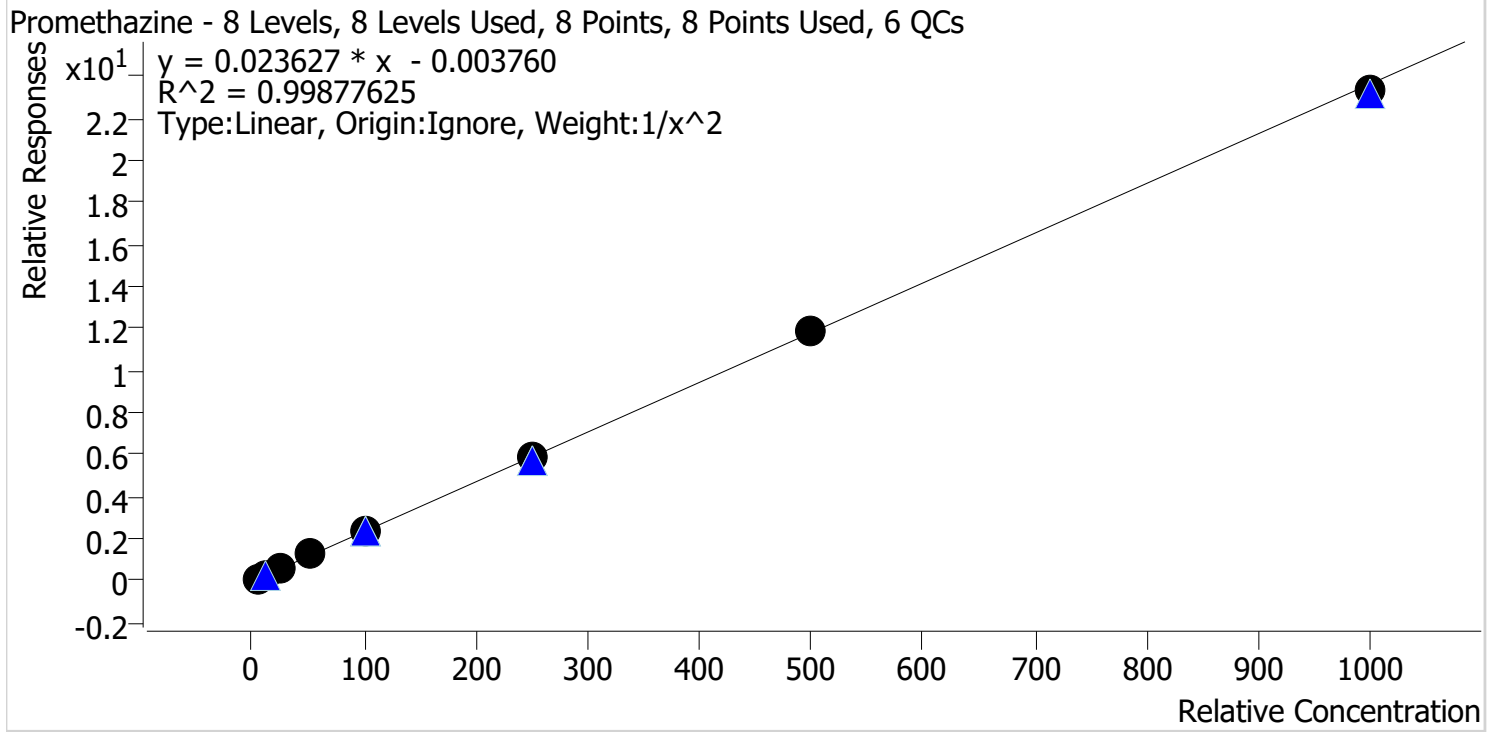
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	56.8	113.6
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	233.7	93.5
p1 Cal 7-500ng	7	✓	500.0	420.0	84.0
p1 Cal 8-1000ng	8	✗	1000.0	755.8	75.6

Calibrator 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

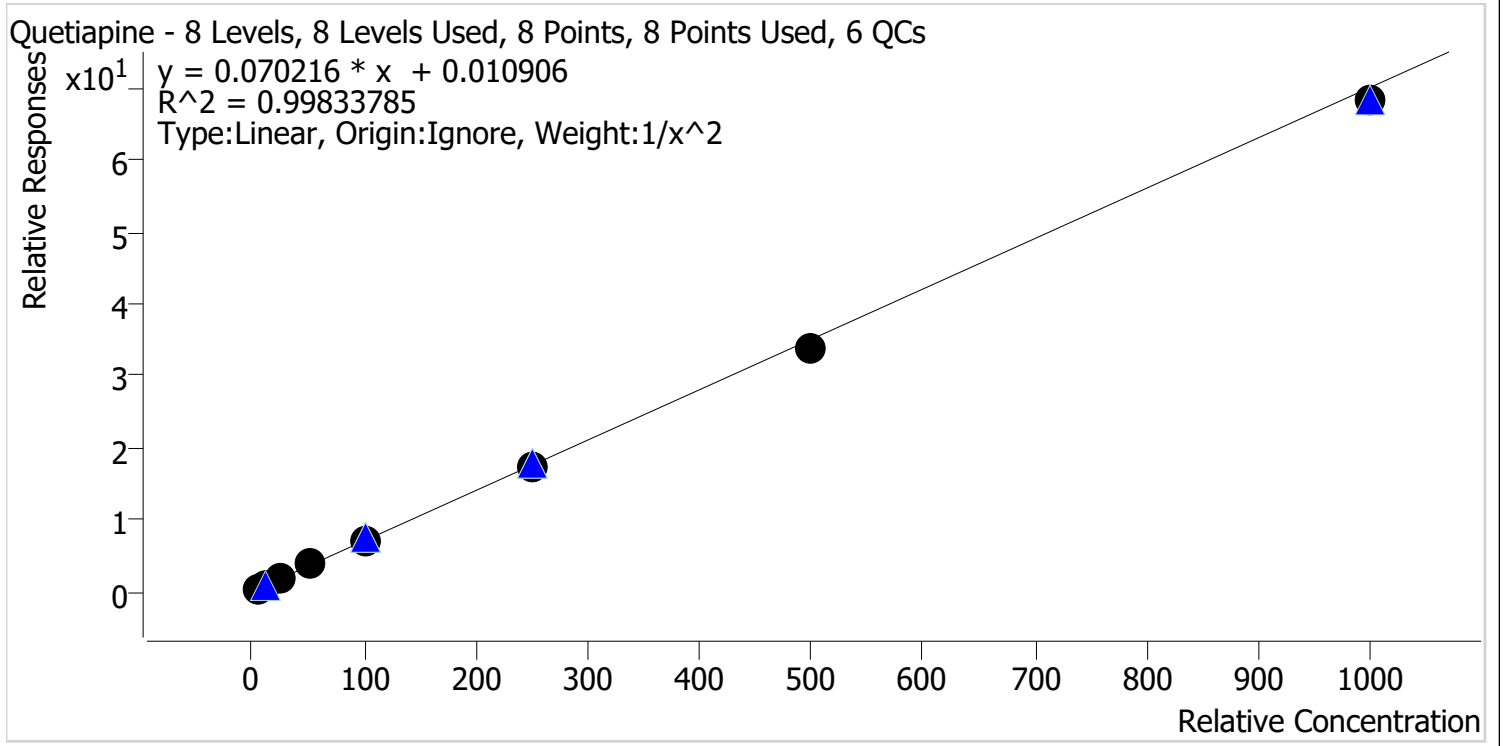


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	501.0	100.2
p1 Cal 8-1000ng	8	✓	1000.0	986.7	98.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

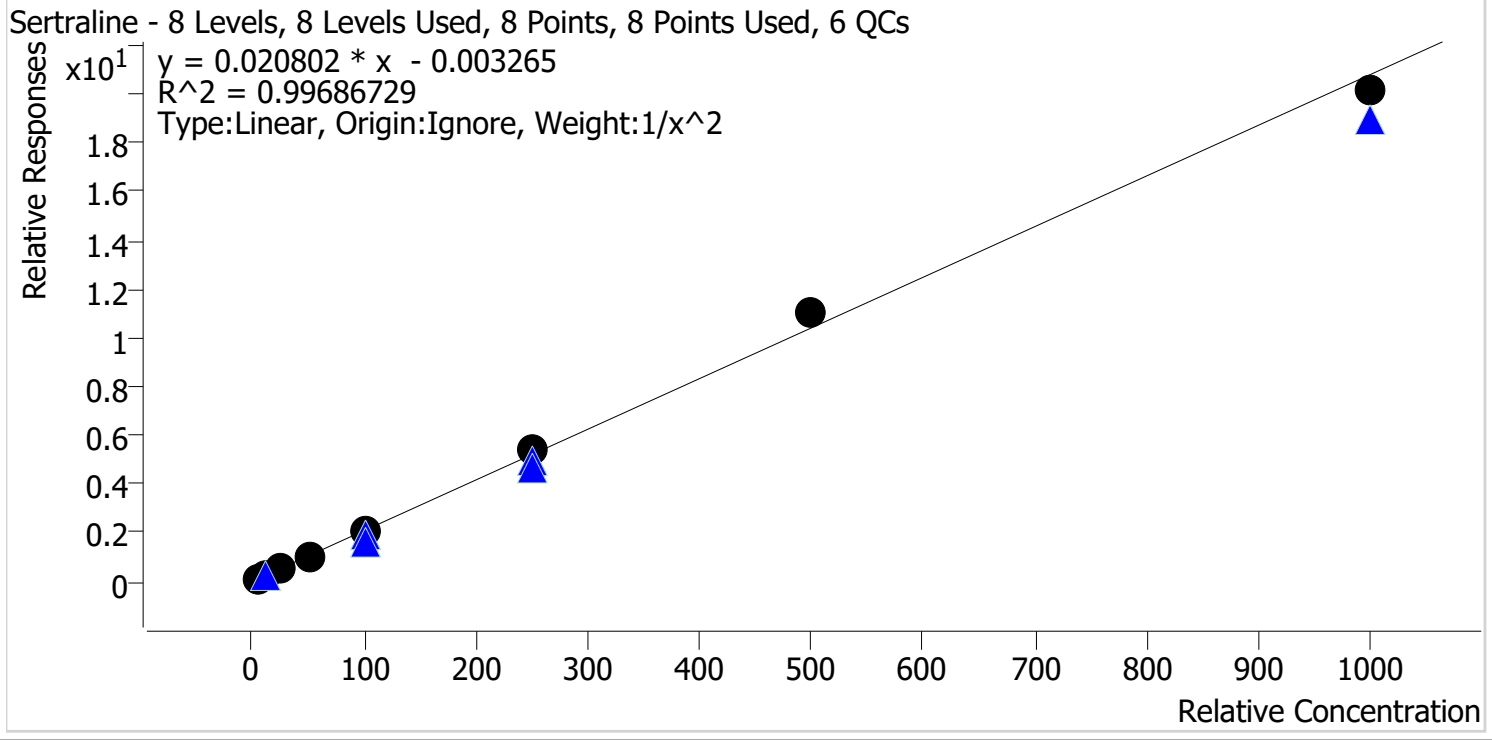


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	53.9	107.9
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	247.6	99.1
p1 Cal 7-500ng	7	✓	500.0	484.4	96.9
p1 Cal 8-1000ng	8	✓	1000.0	973.9	97.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

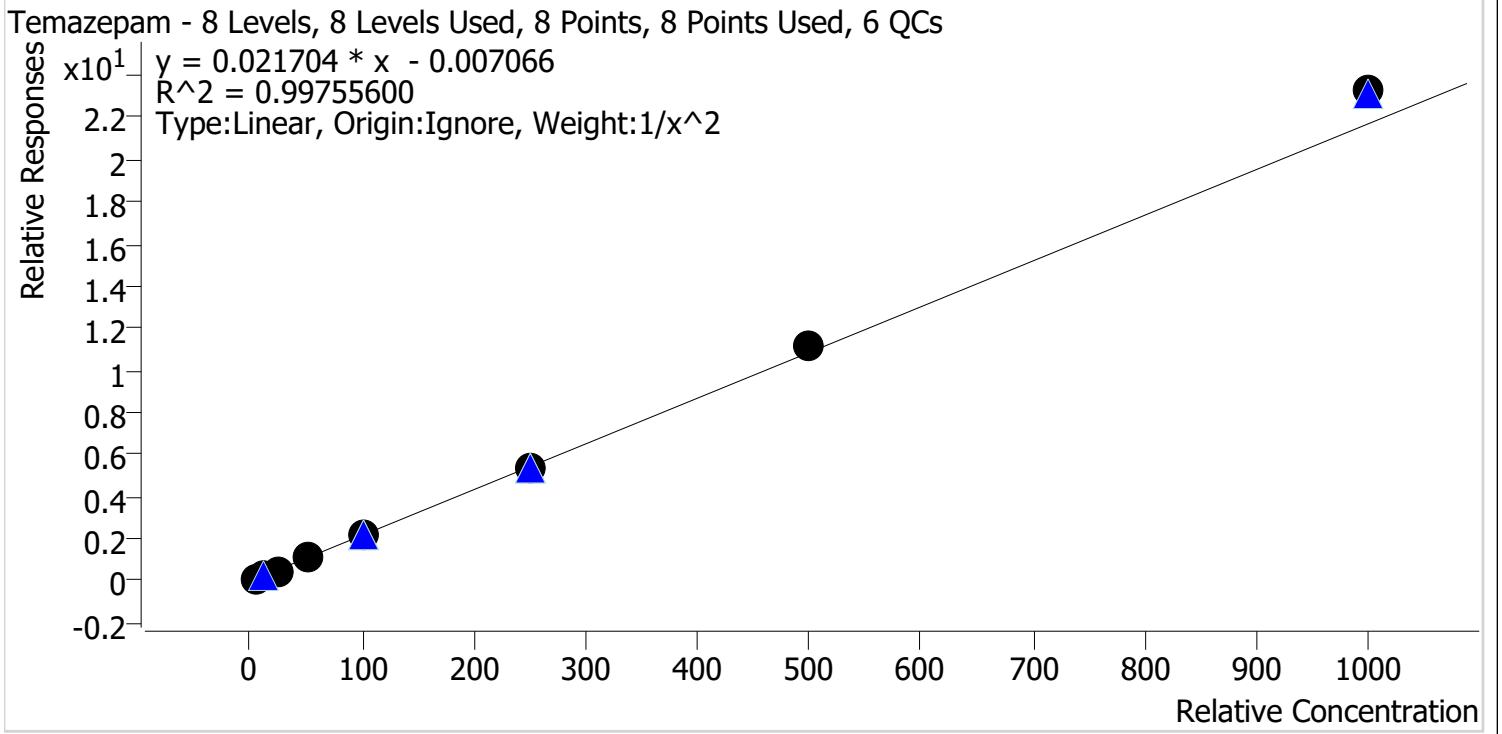


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	22.5	90.1
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	259.1	103.6
p1 Cal 7-500ng	7	✓	500.0	527.9	105.6
p1 Cal 8-1000ng	8	✓	1000.0	968.5	96.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

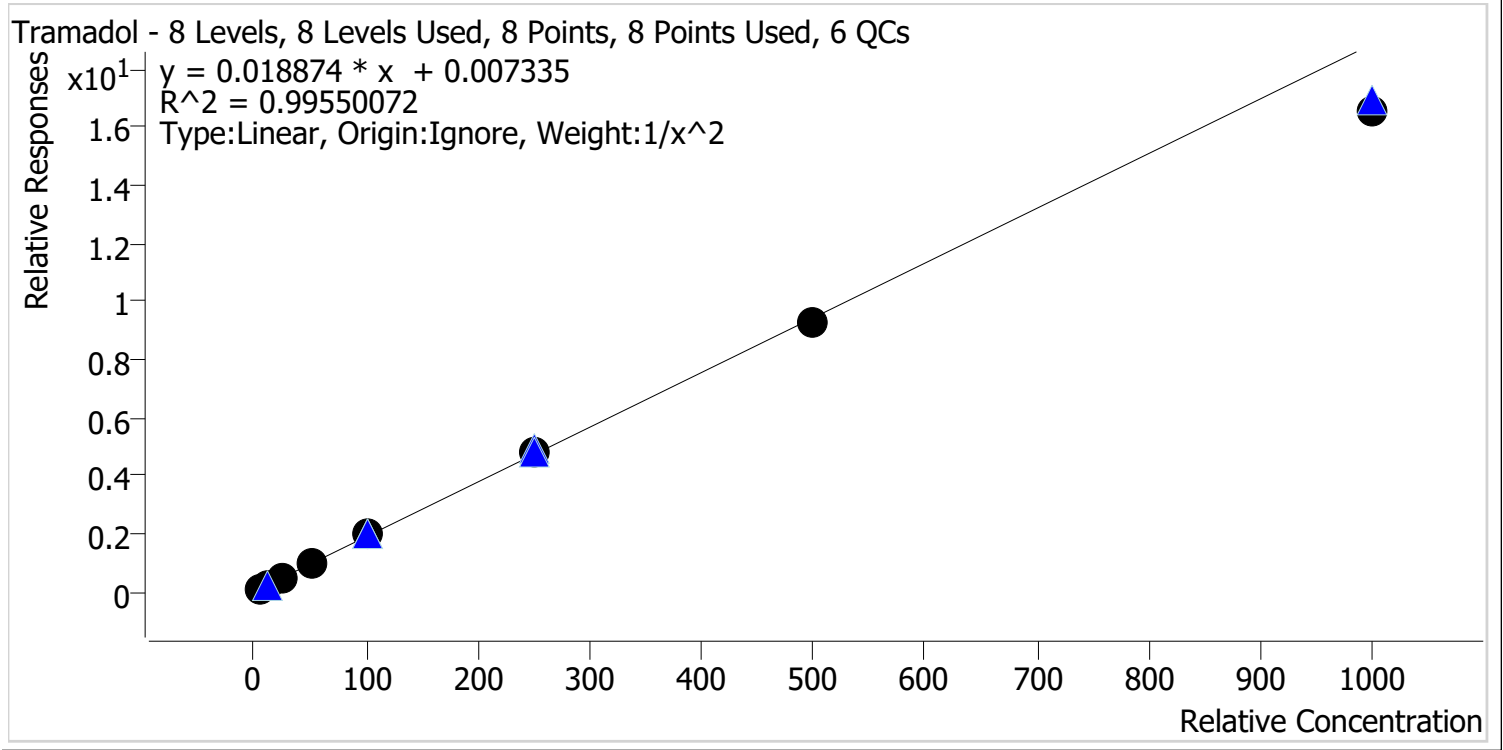


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	243.4	97.3
p1 Cal 7-500ng	7	✓	500.0	515.2	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1072.7	107.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

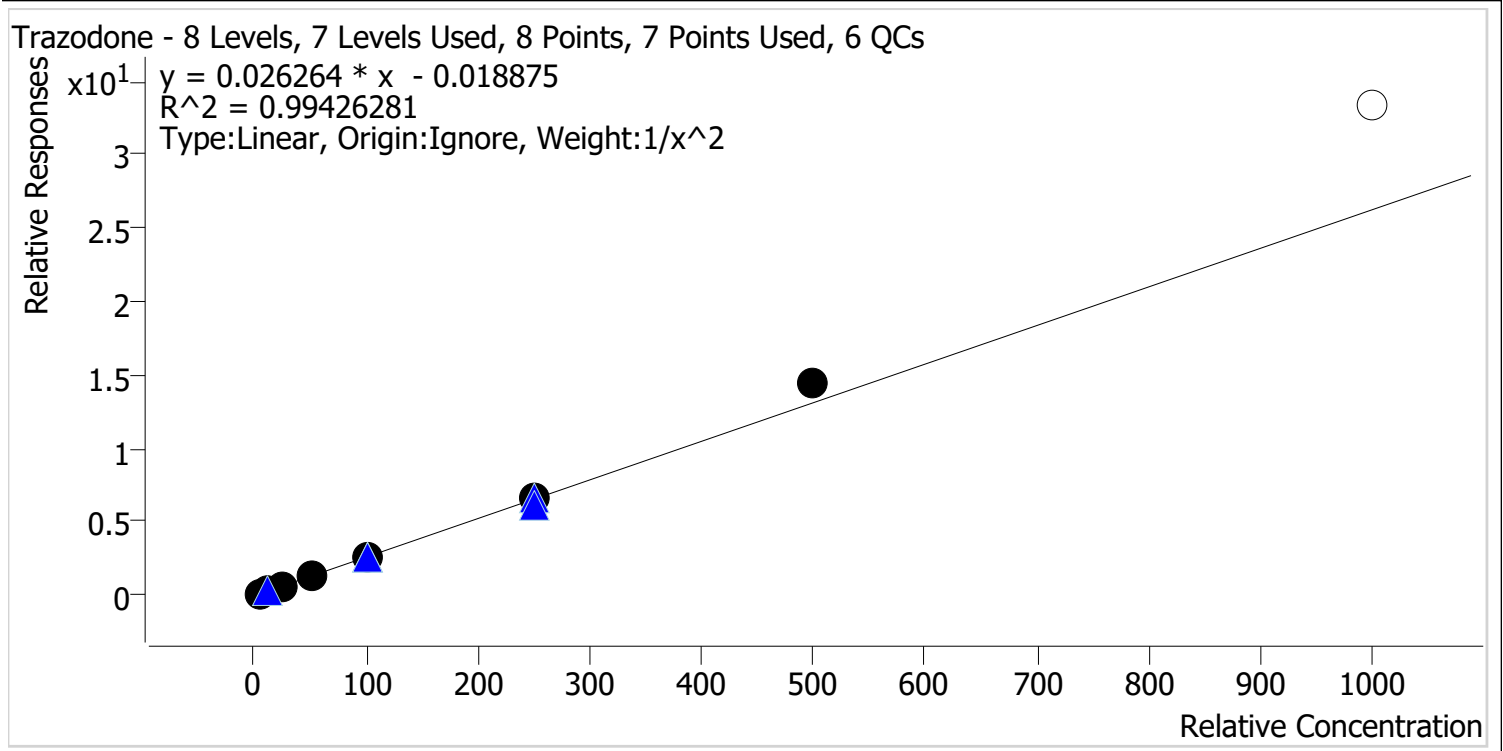


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	54.2	108.5
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	255.6	102.3
p1 Cal 7-500ng	7	✓	500.0	491.9	98.4
p1 Cal 8-1000ng	8	✓	1000.0	878.6	87.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



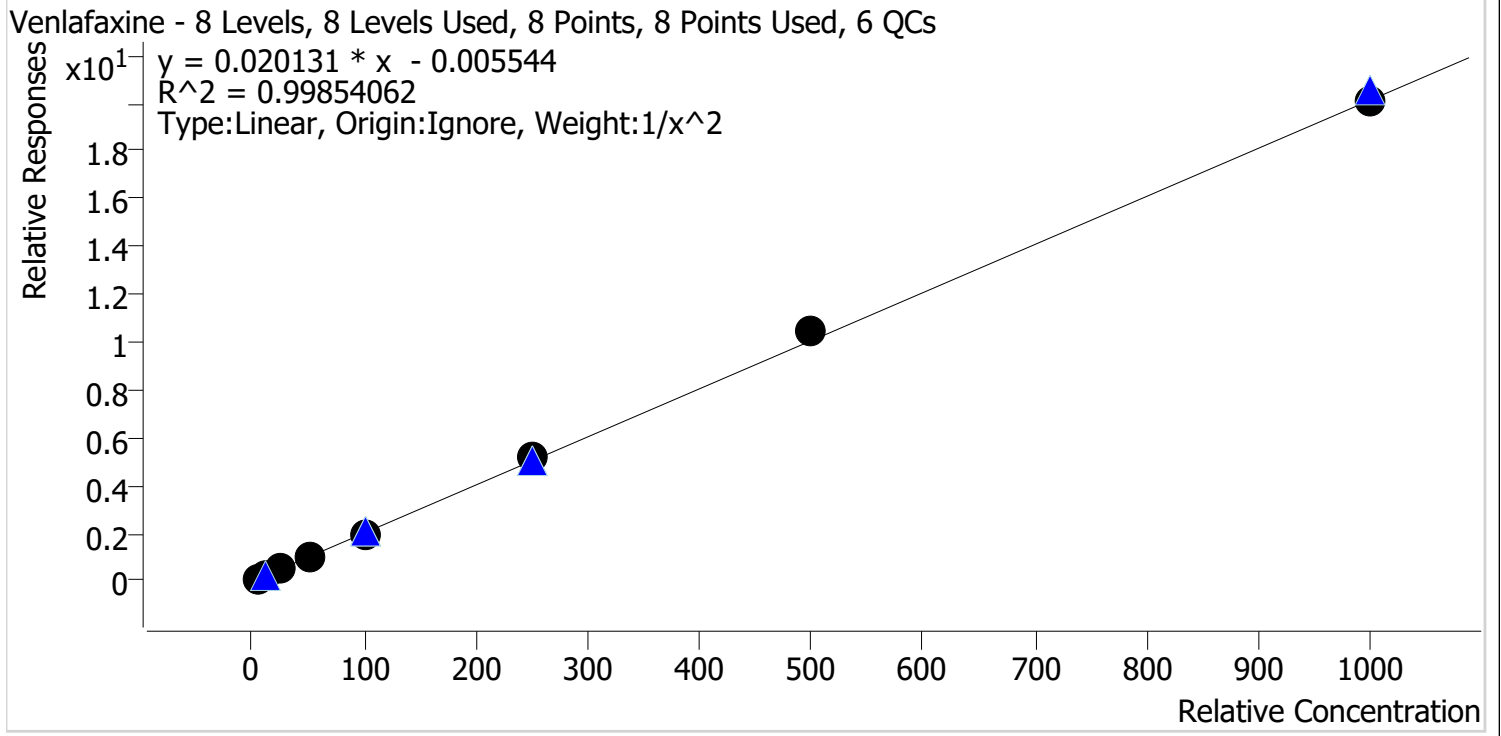
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	22.6	90.6
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	554.7	110.9
p1 Cal 8-1000ng	8	✗	1000.0	1269.8	127.0

Calibrator 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 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	102.8
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.2
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	519.7	103.9
p1 Cal 8-1000ng	8	✓	1000.0	999.8	100.0

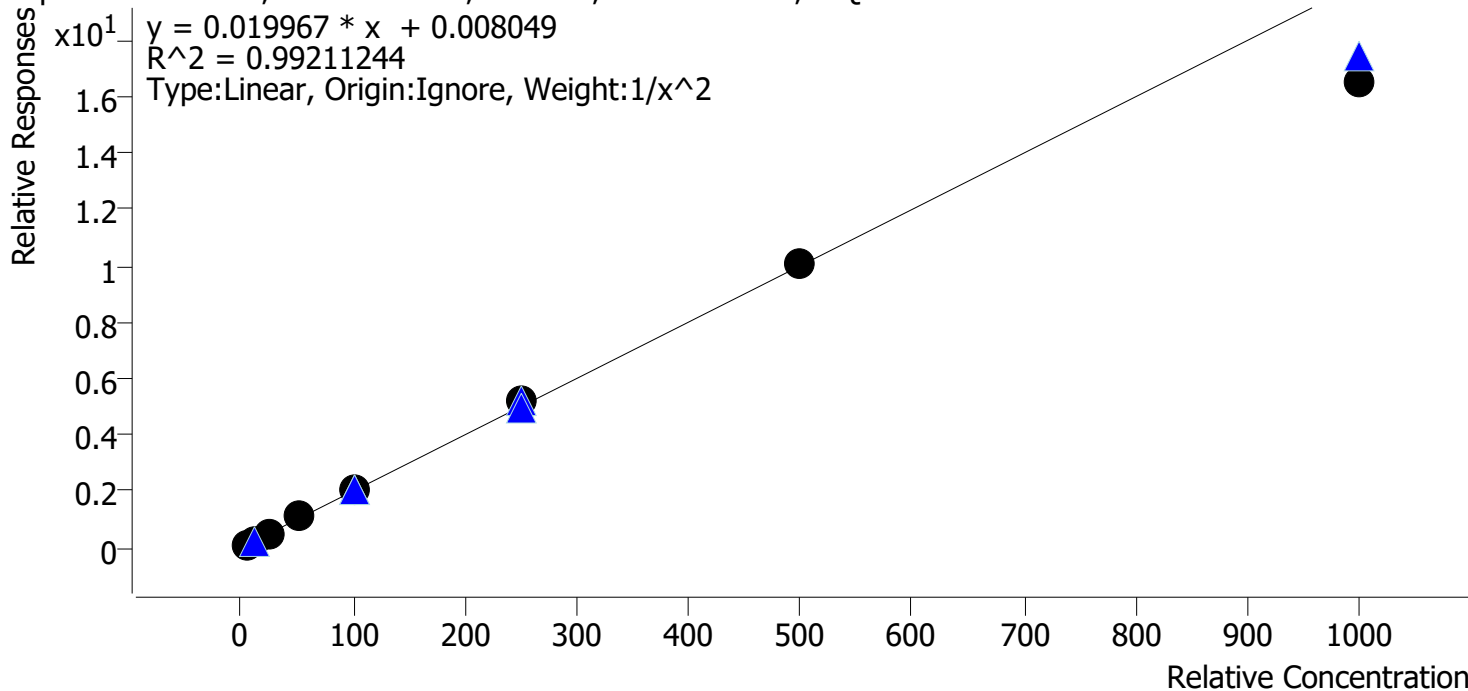
cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Last Cal. Update 3/15/2021 1:10 PM
Analyst Name ISP\Datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	504.7	100.9
p1 Cal 8-1000ng	8	✓	1000.0	825.4	82.5

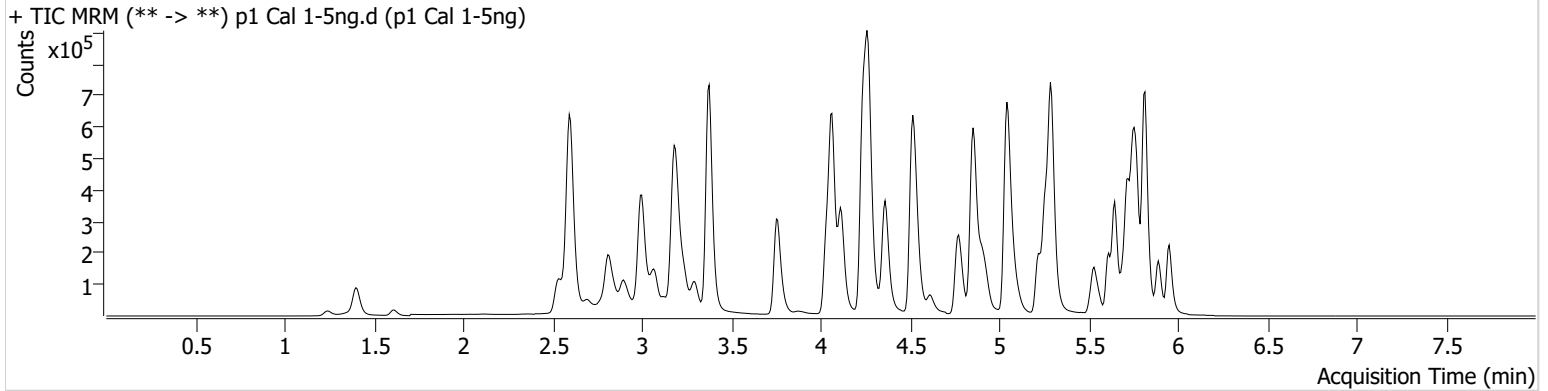
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Calibration Last Update 3/15/2021 1:10:48 PM

Instrument	Instrument 1	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	3/12/2021 7:09:52 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	1874	227.19	67.3	1677.32	87929	0.5203 ng/ml
7-aminoclonazepam	4.278	25053	1391.18	76.2	54.43	183541	5.1631 ng/ml
a-hydroxyalprazolam	5.699	18861	134.69	59.5	601.85	502254	4.8175 ng/ml
alpha-PHP	4.937	23978	273.34	267.1	932.88	794446	4.9439 ng/ml
alpha-PVP	4.370	91155	201.20	52.2	299.51	794446	5.0933 ng/ml
Alprazolam	5.775	66756	499.02	118.3	557.50	502254	5.1090 ng/ml
Amphetamine	3.076	182093	1647.98	50.7	1155.14	376063	4.7052 ng/ml
Benzoylcegonine	3.906	2542	57.90	6.9	61.27	14963	5.1574 ng/ml
Buprenorphine	5.731	1111	36.87	17.1	359.81	82876	0.4935 ng/ml
Bupropion	4.788	86105	4433.48	62.7	142.68	628352	5.0219 ng/ml
Carisoprodol	5.724	67085	3551.49	51.4	177.06	673353	5.1313 ng/ml
Citalopram	5.219	44759	610.68	44.6	307.98	413060	5.0409 ng/ml
Clonazepam	5.612	83007	170.91	32.7	32573.47	195708	4.9079 ng/ml
Clonazepam	5.555	53283	2078.18	36.9	35721.91	195708	5.0546 ng/ml
Cocaine	4.264	73532	133.29	52.7	1682.85	1393017	5.0724 ng/ml
Codeine	2.587	9298	119.58	101.8	525.52	92157	4.8532 ng/ml
Cyclobenzaprine	5.615	8189	454.13	9.3	24.99	68299	5.1100 ng/ml
Dextromethorphan	5.268	19736	1647.01	79.9	639.57	188486	5.0561 ng/ml
Dextrophan	4.118	27706	28222.51	201.0	2300.01	655377	5.1156 ng/ml
Diazepam	5.960	42174	217.39	88.9	255.86	396588	4.9704 ng/ml
Dihydrocodeine	2.565	23296	784.36	59.6	198.95	264250	4.8889 ng/ml
Diphenhydramine	5.296	120620	437.64	32.8	4558.46	1452601	5.1231 ng/ml
Doxylamine	4.536	188468	3468.93	99.9	10897.99	1604149	4.9814 ng/ml
EDDP	5.261	59193	1946.16	42.4	173.90	590753	5.0645 ng/ml
Etizolam	5.813	38454	110805.64	24.5	1111.80	195708	5.3023 ng/ml
Fentanyl	5.095	1590	127.78	74.5	381.86	159957	0.5024 ng/ml
Flualprazolam	5.705	30811	783.64	101.8	24306.90	502254	4.9040 ng/ml
Fluoxetine	5.700	4372	211.38	7.3	934.88	38495	4.9874 ng/ml
Hydrocodone	3.025	36018	100.15	37.5	77.27	811852	4.8367 ng/ml
Hydromorphone	1.615	32019	241.62	75.6	159820.07	12804	4.8586 ng/ml
Ketamine	4.051	71577	3217.63	37.0	99.14	656826	5.0057 ng/ml
Lamotrigine	4.280	6506	178.65	82.2	454.53	656826	4.7931 ng/ml
Levetiracetam	2.697	27081	403.05	162.2	570.02	1723150	5.1800 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	77398	1178.53	51.7	134.36	195708	4.8662 ng/ml
MDA	3.209	123804	1694.12	25.5	101.06	633458	4.7067 ng/ml
MDMA	3.303	70214	173293.01	76.8	525.99	135848	5.0217 ng/ml
Meprobamate	4.931	41656	4617.42	26.9	45.31	358592	4.8969 ng/ml
Methadone	5.646	68830	1270.49	45.6	1050.63	626842	5.0829 ng/ml
Methamphetamine	3.238	154164	454.14	37.8	851.03	984757	4.7847 ng/ml
Metoprolol	4.333	17852	212.67	89.6	760.10	1627646	4.9216 ng/ml
Mirtazapine	4.610	80665	788.31	46.3	578.06	794446	5.0876 ng/ml
Mitragynine	5.223	8715	3844.60	42.3	105.11	626842	4.8104 ng/ml
Morphine	1.247	4944	567.74	26.1	125.11	12804	5.0259 ng/ml
Norbuprenorphine	4.992	198	598.73	86.0	431.92	13543	0.5073 ng/ml
Nordiazepam	5.900	43087	2758.18	58.7	2107.53	284350	5.0239 ng/ml
Norfentanyl	4.086	15696	981.97	35.6	61.68	1397356	0.5160 ng/ml
Norhydrocodone	3.073	5955	290.58	39.8	37.50	113094	5.2109 ng/ml
Noroxycodone	2.916	41526	261.52	41.6	365.01	286526	5.0052 ng/ml
O-desmethyl-tramadol	3.383	146369	7553.94	6.6	228.34	1755585	5.0827 ng/ml
Oxazepam	5.756	89260	626.87	73.6	172.56	683898	4.9648 ng/ml
Oxycodone	2.841	73260	1647.86	27.4	635.92	628294	4.9615 ng/ml
Oxymorphone	1.405	36087	267.48	42.8	1959.87	258469	4.9462 ng/ml
Phentermine	3.790	37928	326.14	4.7	12.22	842859	4.8508 ng/ml
Promethazine	5.532	18617	393.10	25.5	53.75	159813	5.0895 ng/ml
Pseudoephedrine	2.610	178699	279.94	16.4	1207.48	1723150	5.1138 ng/ml
Quetiapine	5.528	50606	16557.45	58.2	196641.65	140049	4.9909 ng/ml
Sertraline	5.769	1295	11.34	115.6	234.95	12746	5.0416 ng/ml
Temazepam	5.823	139198	1752.41	29.3	61.90	1342218	5.1038 ng/ml
Tramadol	4.252	163466	15077.96	3.7	67.60	1627646	4.9324 ng/ml
Trazodone	5.108	33468	400.41	80.2	82097.41	285347	5.1844 ng/ml
Venlafaxine	5.043	140346	2039.12	39.5	161.97	1433657	5.1383 ng/ml
Zolpidem	4.874	162113	982.83	31.9	997.50	1532502	4.8948 ng/ml

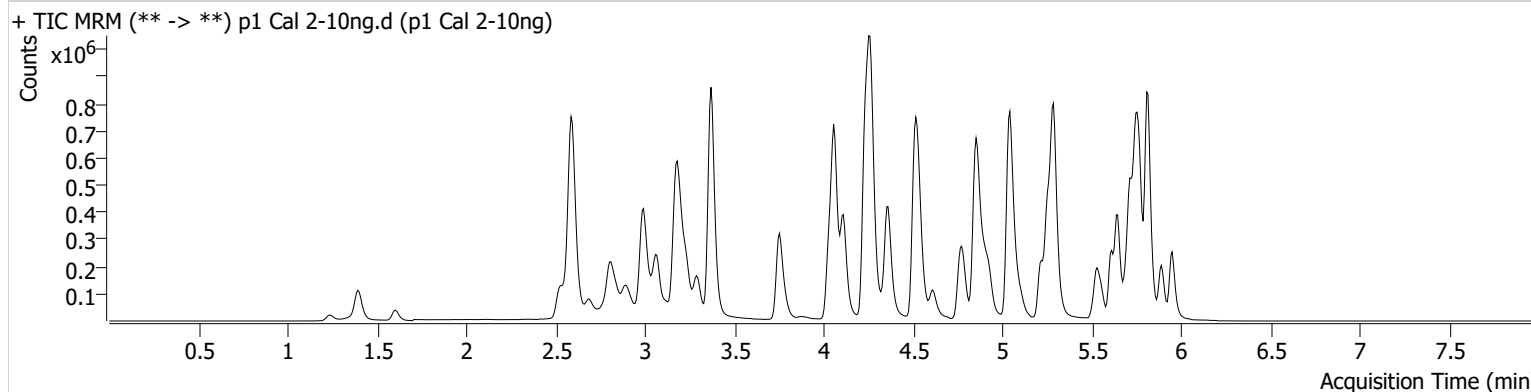
AM #28 Multi-Drug Quant. Results



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Calibration Last Update 3/15/2021 1:10:48 PM

Instrument	Instrument 1	Data File	p1 Cal 2-10ng.d
Type	Cal	Sample	p1 Cal 2-10ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	3/12/2021 7:20:37 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	3551	374.68	72.8	2424.69	95260	0.9340 ng/ml
7-aminoclonazepam	4.271	50597	172.18	79.6	768.46	189743	9.6977 ng/ml
a-hydroxyalprazolam	5.699	39106	198.15	58.3	397.50	526604	10.3119 ng/ml
alpha-PPH	4.930	49332	1083.78	261.4	8250.47	827945	10.1013 ng/ml
alpha-PVP	4.370	181087	9174.50	52.7	452.15	827945	9.6556 ng/ml
Alprazolam	5.775	134859	829.13	115.5	1482.63	526604	9.6180 ng/ml
Amphetamine	3.069	366412	3663.73	50.2	417.58	386107	10.4496 ng/ml
Benzoylcegonine	3.899	4772	193.67	7.3	113.69	16496	9.5875 ng/ml
Buprenorphine	5.738	2172	78.91	15.6	17.05	79287	1.0181 ng/ml
Bupropion	4.788	162817	486.00	60.7	482.99	598190	9.9052 ng/ml
Carisoprodol	5.724	133883	177243.28	54.4	754.67	690616	9.5860 ng/ml
Citalopram	5.219	86048	129.46	41.4	599.50	399781	9.8886 ng/ml
Clonazepam	5.612	169286	4024.13	33.3	48216.52	203678	10.0172 ng/ml
Clonazepam	5.555	108668	4826.02	37.3	71621.68	203678	9.6944 ng/ml
Cocaine	4.264	151052	5868.11	52.3	650.89	1455497	9.8076 ng/ml
Codeine	2.580	19174	13078.70	103.8	78.23	98441	10.0800 ng/ml
Cyclobenzaprine	5.615	16619	60.06	9.9	120.47	70711	9.7620 ng/ml
Dextromethorphan	5.262	37519	26770.94	78.6	3088.63	184922	9.7070 ng/ml
Dextrophan	4.111	54797	2322.46	207.9	1689.87	681746	9.6807 ng/ml
Diazepam	5.953	83200	1690.72	88.0	440.24	385621	10.1218 ng/ml
Dihydrocodeine	2.559	48779	970.89	62.2	2163.04	286643	10.0773 ng/ml
Diphenhydramine	5.289	230175	3840.66	32.9	1165.99	1417686	9.7121 ng/ml
Doxylamine	4.529	394442	13936.16	98.4	6548.26	1721431	9.8784 ng/ml
EDDP	5.261	127267	4986.72	42.5	153.84	650835	9.8707 ng/ml
Etizolam	5.813	75765	236049.50	25.5	2363.12	203678	9.3348 ng/ml
Fentanyl	5.095	3189	146.78	79.9	127.98	155383	1.0018 ng/ml
Flualprazolam	5.705	67151	3566.24	94.0	12025.65	526604	10.2637 ng/ml
Fluoxetine	5.700	10180	541.02	9.6	1004.10	44214	9.9656 ng/ml
Hydrocodone	3.018	74964	311.18	36.6	89.75	873466	10.0753 ng/ml
Hydromorphone	1.601	67064	1436.90	74.1	2620.51	13123	10.1846 ng/ml
Ketamine	4.044	143943	232.17	37.6	295.72	688392	9.8982 ng/ml
Lamotrigine	4.280	13765	405.80	75.9	167.53	688392	10.5736 ng/ml
Levetiracetam	2.690	54111	726.01	163.1	1046.62	1832928	9.6008 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	153081	3468.86	55.1	144.48	203678	10.3255 ng/ml
MDA	3.203	253243	337.82	24.2	43.81	663847	10.3824 ng/ml
MDMA	3.296	146635	4795.82	78.6	1238.62	144597	9.9125 ng/ml
Meprobamate	4.931	87352	8233.00	27.5	209.47	389626	10.0666 ng/ml
Methadone	5.646	127672	340.11	45.3	177.89	592177	9.7373 ng/ml
Methamphetamine	3.238	292958	826.18	39.2	986.71	1026393	10.2724 ng/ml
Metoprolol	4.326	35875	77133.42	90.1	1122.38	1708766	9.9146 ng/ml
Mirtazapine	4.610	156344	1540.43	47.7	4858.33	827945	9.5521 ng/ml
Mitragynine	5.223	18050	377.81	37.6	101.16	592177	10.2033 ng/ml
Morphine	1.240	9947	280.23	28.5	221.52	13123	9.8751 ng/ml
Norbuprenorphine	4.992	342	94.01	92.6	1173.26	13895	1.0084 ng/ml
Nordiazepam	5.900	83574	542.97	58.9	1208.78	287195	9.7989 ng/ml
Norfentanyl	4.086	32911	2473.52	33.3	120.39	1467774	0.9628 ng/ml
Norhydrocodone	3.066	11894	59.82	44.3	53.50	118833	9.3211 ng/ml
Noroxycodone	2.909	87370	662.91	40.6	895.88	305960	9.9868 ng/ml
O-desmethyl-tramadol	3.376	305741	6959.02	6.9	487.11	1899625	9.7219 ng/ml
Oxazepam	5.756	179020	1808.36	75.8	363.73	715870	9.8419 ng/ml
Oxycodone	2.834	157153	518.34	27.2	570.33	678982	10.0135 ng/ml
Oxymorphone	1.398	75357	432.59	42.2	789.18	273189	10.0623 ng/ml
Phentermine	3.790	75765	598.65	4.5	38.93	871837	10.1203 ng/ml
Promethazine	5.532	37112	479.73	28.9	110.43	164148	9.7280 ng/ml
Pseudoephedrine	2.603	377797	729.93	16.6	4063.87	1832928	9.7665 ng/ml
Quetiapine	5.528	94173	589.24	57.6	805.66	132464	9.9696 ng/ml
Sertraline	5.769	3393	42.27	99.2	97.51	16291	10.1680 ng/ml
Temazepam	5.816	289123	16082.26	27.7	165.87	1393021	9.8883 ng/ml
Tramadol	4.246	335655	707.52	3.6	69.12	1708766	10.0186 ng/ml
Trazodone	5.108	64463	78699.26	81.7	287.21	275690	9.6215 ng/ml
Venlafaxine	5.043	281825	1123.37	40.5	988.17	1494547	9.6426 ng/ml
Zolpidem	4.874	340043	1292.90	31.1	873.48	1614942	10.1423 ng/ml

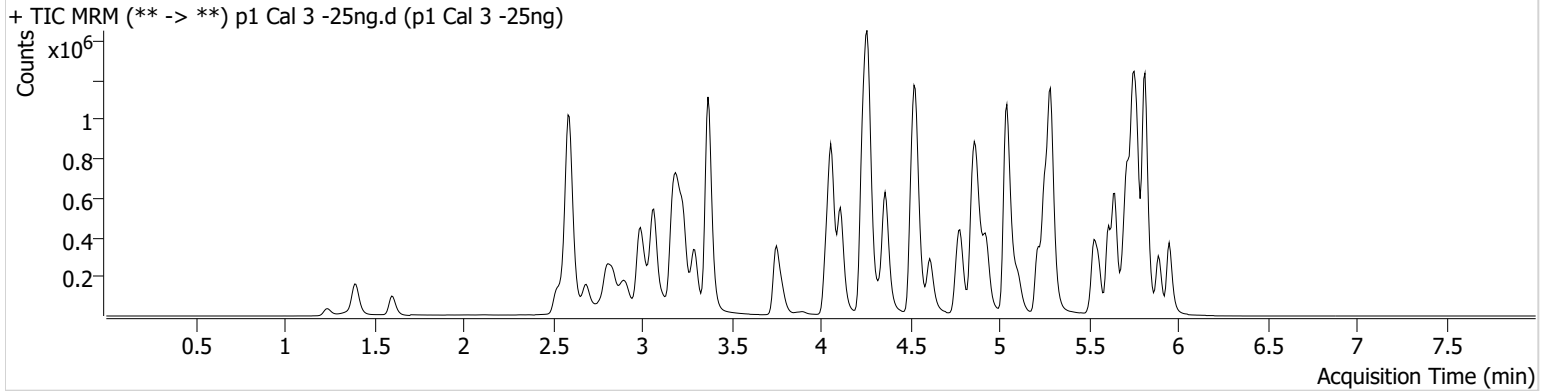
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Calibration Last Update 3/15/2021 1:10:48 PM

Instrument	Instrument 1	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	3/12/2021 7:31:14 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	9485	301.72	72.6	614.25	101887	2.3804 ng/ml
7-aminoclonazepam	4.278	126570	265.56	82.3	179.14	194733	23.0517 ng/ml
a-hydroxyalprazolam	5.699	99760	1054.14	60.1	706.59	551094	26.2910 ng/ml
alpha-PHP	4.930	128723	1025.63	270.7	22834.53	883461	25.2077 ng/ml
alpha-PVP	4.370	490231	1803.84	52.7	4364.38	883461	24.4063 ng/ml
Alprazolam	5.775	360000	11788.65	114.2	1038.41	551094	24.1560 ng/ml
Amphetamine	3.069	949980	1070.63	50.1	695.05	409858	27.3674 ng/ml
Benzoylecgonine	3.899	11678	686.56	8.3	54.68	17852	23.1299 ng/ml
Buprenorphine	5.738	6124	392.64	15.5	1597.02	91833	2.4908 ng/ml
Bupropion	4.788	447757	8003.84	60.9	1335.16	664638	24.4126 ng/ml
Carisoprodol	5.724	356888	416286.53	53.6	268.32	708050	24.2492 ng/ml
Citalopram	5.219	241306	521.86	43.6	591.70	453526	24.2593 ng/ml
Clonazepam	5.612	446003	559.18	32.8	3261.57	213184	25.8464 ng/ml
Clonazepam	5.555	293361	25892.36	36.9	220393.51	213184	24.6569 ng/ml
Cocaine	4.264	402525	1196.07	51.2	19489.83	1562342	24.0949 ng/ml
Codeine	2.580	49878	8249.20	106.6	864.39	102865	26.2303 ng/ml
Cyclobenzaprine	5.615	56952	96207.86	8.7	142.24	100170	23.2388 ng/ml
Dextromethorphan	5.262	117207	346969.90	79.4	690.86	222170	25.0868 ng/ml
Dextrophan	4.111	148468	167814.37	209.4	33006.51	754068	23.6399 ng/ml
Diazepam	5.953	209637	684.29	88.0	436.78	402628	24.4779 ng/ml
Dihydrocodeine	2.559	126991	33359.39	62.4	2727.62	303385	25.7919 ng/ml
Diphenhydramine	5.289	644535	5866.95	33.3	6494.26	1606581	23.5287 ng/ml
Doxylamine	4.529	1071536	43026.99	97.0	9361.98	1869127	24.9727 ng/ml
EDDP	5.254	346271	3677.12	43.4	259.14	728725	23.9665 ng/ml
Etizolam	5.813	201349	371977.31	26.0	85212.12	213184	22.4894 ng/ml
Fentanyl	5.095	10492	274.63	71.1	22520.29	211503	2.3736 ng/ml
Flualprazolam	5.705	167143	3089.95	97.9	9450.47	551094	24.5011 ng/ml
Fluoxetine	5.700	31539	202.48	8.8	651.60	55033	24.5937 ng/ml
Hydrocodone	3.018	198908	314.97	37.7	132.15	914892	26.7023 ng/ml
Hydromorphone	1.601	173499	4599.98	75.1	384893.53	13354	26.2708 ng/ml
Ketamine	4.051	376161	1538.93	37.9	155.73	738916	24.5559 ng/ml
Lamotrigine	4.280	34463	1055.16	80.6	2903.19	738916	25.8366 ng/ml
Levetiracetam	2.690	135568	625.93	161.9	2904.38	1943412	22.4847 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	382788	2200.18	55.1	404.01	213184	26.3305 ng/ml
MDA	3.203	654550	2900.08	25.0	298.35	692509	27.5806 ng/ml
MDMA	3.296	391246	2962.44	78.9	1114.54	156691	24.4977 ng/ml
Meprobamate	4.931	225068	60912.61	26.9	7400.90	401793	26.1442 ng/ml
Methadone	5.646	367722	1174.34	45.8	1009.18	678521	24.0952 ng/ml
Methamphetamine	3.238	750830	2271.99	38.6	4085.93	1120641	26.6482 ng/ml
Metoprolol	4.326	99681	65974.33	89.7	1718.72	1849099	26.3043 ng/ml
Mirtazapine	4.610	451550	4067.65	47.8	5869.74	883461	26.0337 ng/ml
Mitragynine	5.223	56153	798.35	38.7	30716.70	678521	27.2085 ng/ml
Morphine	1.240	25125	46.40	27.8	201.27	13354	24.5270 ng/ml
Norbuprenorphine	4.992	794	451.93	107.6	2464.69	16039	2.2523 ng/ml
Nordiazepam	5.900	212390	1165.13	58.4	401.67	293347	24.6241 ng/ml
Norfentanyl	4.086	90326	42714.43	32.0	149.08	1570138	2.3645 ng/ml
Norhydrocodone	3.066	31864	193.38	41.0	96.35	115602	24.5319 ng/ml
Noroxycodone	2.909	218641	1405.01	42.9	7455.79	317383	24.2736 ng/ml
O-desmethyl-tramadol	3.376	811549	1370.48	6.8	∞	2028896	24.0174 ng/ml
Oxazepam	5.756	462391	7081.95	73.4	259.11	727286	25.5761 ng/ml
Oxycodone	2.834	413801	1112.86	26.4	3588.64	725346	24.9268 ng/ml
Oxymorphone	1.398	191154	451.31	42.5	232.44	282377	25.1263 ng/ml
Phentermine	3.790	203653	383.90	4.7	163.48	944963	26.2935 ng/ml
Promethazine	5.532	124423	5851.92	27.4	285.81	223099	23.7632 ng/ml
Pseudoephedrine	2.603	992846	1069.40	16.7	48378.32	1943412	23.6120 ng/ml
Quetiapine	5.528	255241	185568.57	58.4	802.25	147977	24.4097 ng/ml
Sertraline	5.769	8680	79.15	101.8	437.80	18664	22.5138 ng/ml
Temazepam	5.816	748188	7186.40	28.8	576.71	1508475	23.1780 ng/ml
Tramadol	4.246	899611	1117.90	3.7	513.78	1849099	25.3877 ng/ml
Trazodone	5.108	196824	162170.42	78.3	1472.79	341756	22.6468 ng/ml
Venlafaxine	5.043	756694	1911.51	39.5	439.30	1615845	23.5380 ng/ml
Zolpidem	4.874	900975	2752.53	31.0	2959.60	1747436	25.4194 ng/ml

AM #28 Multi-Drug Quant. Results

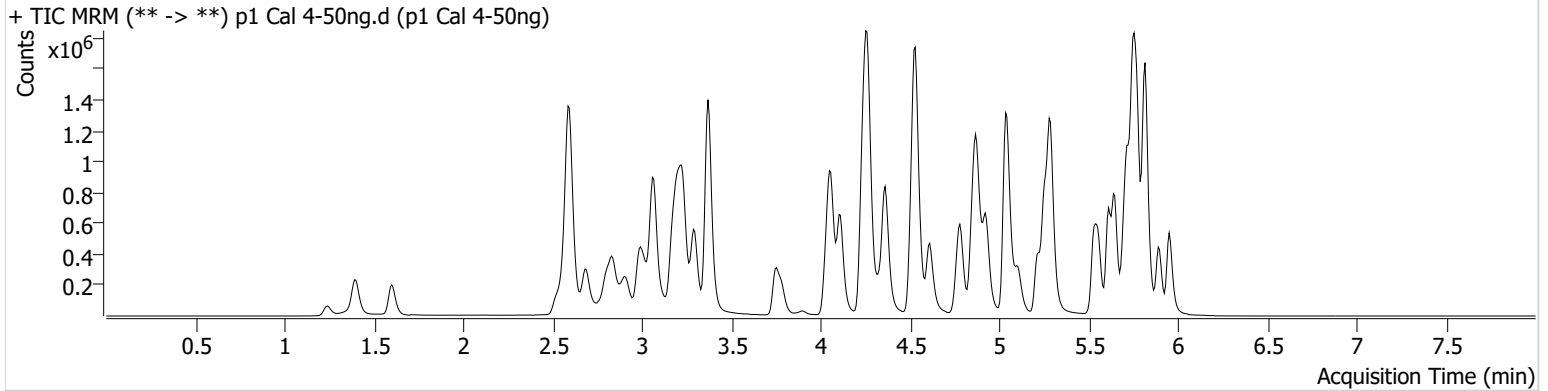


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Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D1
Injection Volume 2
Acq. Date-Time 3/12/2021 7:41:50 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	19102	389.75	73.0	38553.32	96400	5.1028 ng/ml
7-aminoclonazepam	4.271	273225	2375.18	81.8	10985.79	194279	49.4038 ng/ml
a-hydroxyalprazolam	5.699	187698	1051.25	58.6	664.18	485002	57.1211 ng/ml
alpha-PHP	4.930	230816	3134.00	263.6	6572.77	773460	51.9963 ng/ml
alpha-PVP	4.363	908877	23497.53	53.3	1150.74	773460	51.6184 ng/ml
Alprazolam	5.775	681489	2904.45	117.0	1550.49	485002	51.6787 ng/ml
Amphetamine	3.069	1648499	12350.23	50.6	1885.34	345010	57.7749 ng/ml
Benzoylecgonine	3.899	24648	511.95	8.1	331.44	17112	52.3133 ng/ml
Buprenorphine	5.738	10405	677.22	17.3	3968.42	72403	5.3777 ng/ml
Bupropion	4.781	783253	33292.69	61.7	442.88	543392	52.1529 ng/ml
Carisoprodol	5.724	660837	40526.84	53.9	2649.64	617313	51.0274 ng/ml
Citalopram	5.212	395486	9557.32	43.6	1960.49	347250	51.7843 ng/ml
Clonazepam	5.612	833308	5476.85	33.2	605046.96	189852	54.6833 ng/ml
Clonazepam	5.555	567341	120676.16	36.7	557291.56	189852	53.2880 ng/ml
Cocaine	4.264	761789	26766.82	52.3	479.07	1375514	51.5974 ng/ml
Codeine	2.573	101563	1090.48	101.2	195.09	95140	58.6648 ng/ml
Cyclobenzaprine	5.615	112811	9963.90	8.4	421.05	89029	51.4659 ng/ml
Dextromethorphan	5.262	190799	632.19	79.3	16345.19	176079	51.4272 ng/ml
Dextrophan	4.111	275266	525.87	207.0	11843.47	639287	51.6383 ng/ml
Diazepam	5.953	417868	1186.71	88.4	2690.90	378074	52.0012 ng/ml
Dihydrocodeine	2.552	258813	1184.79	63.6	8350.11	289428	55.8820 ng/ml
Diphenhydramine	5.289	1077365	503.08	33.5	1995.61	1235036	50.7860 ng/ml
Doxylamine	4.529	2000779	1238.97	98.6	106263.07	1634058	53.5320 ng/ml
EDDP	5.254	590434	41837.07	43.0	977.26	584979	50.8923 ng/ml
Etizolam	5.813	383970	2174.38	25.0	196318.04	189852	47.2590 ng/ml
Fentanyl	5.089	18000	676.17	70.4	27878.17	164470	5.1956 ng/ml
Flualprazolam	5.705	327901	4765.69	93.6	124925.65	485002	54.6961 ng/ml
Fluoxetine	5.700	87041	1746.92	9.4	546.07	70421	52.8787 ng/ml
Hydrocodone	3.018	386553	565.46	36.9	234.11	849346	56.7383 ng/ml
Hydromorphone	1.601	349097	1000.86	75.4	4288.80	13095	54.1659 ng/ml
Ketamine	4.044	732360	53799.00	38.7	3161.59	668234	53.2335 ng/ml
Lamotrigine	4.273	64155	600.55	82.1	2606.82	668234	54.1170 ng/ml
Levetiracetam	2.690	290919	1321.45	160.5	6371.03	1780113	52.4788 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	668535	19764.02	55.8	678.24	189852	52.7878 ng/ml
MDA	3.203	1114061	1575.19	24.7	78.66	565886	58.8068 ng/ml
MDMA	3.296	711159	59754.44	79.3	2988.61	134426	51.9737 ng/ml
Meprobamate	4.924	434259	334.97	26.6	237.21	371888	55.2187 ng/ml
Methadone	5.646	636535	685.82	44.6	9325.75	536015	52.4981 ng/ml
Methamphetamine	3.231	1372094	3382.22	38.2	702.87	988784	57.2072 ng/ml
Metoprolol	4.326	183635	4052.98	90.0	9803.19	1670991	54.1847 ng/ml
Mirtazapine	4.610	744246	4274.21	48.2	657295.30	773460	49.1041 ng/ml
Mitragynine	5.223	89928	113.06	39.5	236.72	536015	54.8621 ng/ml
Morphine	1.240	52522	382.82	26.7	1764.49	13095	52.3021 ng/ml
Norbuprenorphine	4.992	1362	2655.16	96.1	9.54 Low	12782	5.1097 ng/ml
Nordiazepam	5.900	420029	3324.54	59.8	549.37	266457	53.8051 ng/ml
Norfentanyl	4.079	168457	215.92	33.4	659.11	1371798	4.9709 ng/ml
Norhydrocodone	3.059	57185	135.43	41.0	234.69	101414	49.5077 ng/ml
Noroxycodone	2.909	424210	679.01	42.8	1890.49	285632	52.4796 ng/ml
O-desmethyl-tramadol	3.376	1652236	1570.60	6.8	1472.20	1889033	52.4027 ng/ml
Oxazepam	5.756	850884	11206.57	74.5	4037.17	633263	54.4528 ng/ml
Oxycodone	2.834	826352	4836.13	26.7	1168.48	675863	53.6144 ng/ml
Oxymorphone	1.398	380219	820.76	42.2	733.50	265728	53.4404 ng/ml
Phentermine	3.783	372602	2455.32	4.5	74.21	813214	56.8097 ng/ml
Promethazine	5.532	248365	6495.15	27.9	687.68	200709	52.5321 ng/ml
Pseudoephedrine	2.596	1973706	16795.89	16.3	39785.83	1780113	50.7740 ng/ml
Quetiapine	5.528	441895	773.83	58.6	523826.51	116357	53.9312 ng/ml
Sertraline	5.769	37370	152.03	100.8	1939.66	35091	51.3507 ng/ml
Temazepam	5.816	1403824	16266.16	28.7	2924.31	1304199	49.9194 ng/ml
Tramadol	4.246	1723083	2095.84	3.7	290.04	1670991	54.2448 ng/ml
Trazodone	5.101	344102	6884.43	79.0	634235.49	262563	50.6179 ng/ml
Venlafaxine	5.037	1423080	894.97	39.7	552.57	1400369	50.7560 ng/ml
Zolpidem	4.874	1702760	9063.74	31.3	1948.14	1550964	54.5811 ng/ml

AM #28 Multi-Drug Quant. Results

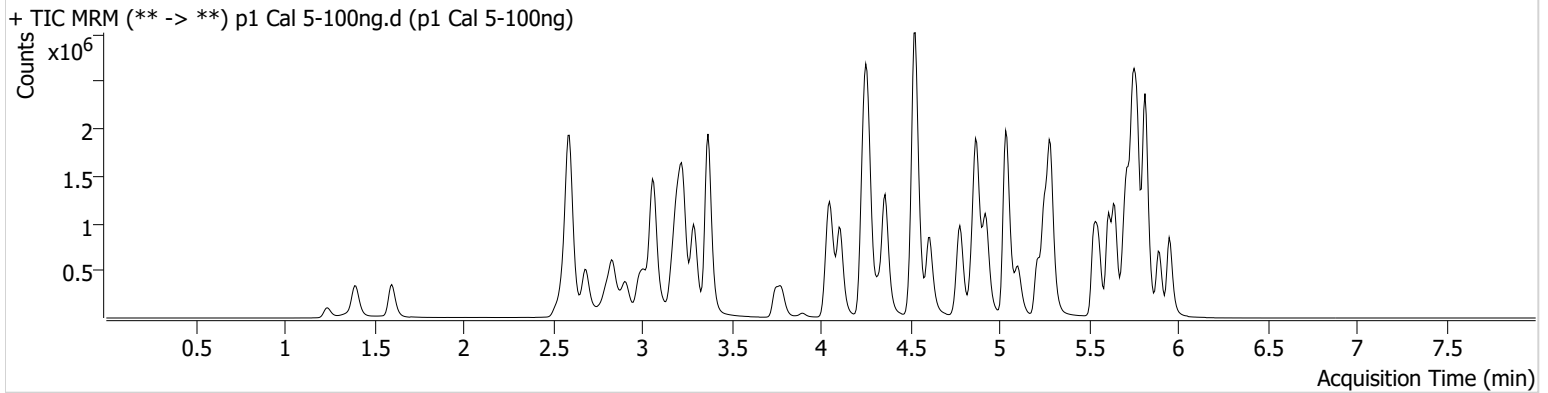


Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Calibration Last Update 3/15/2021 1:10:48 PM

Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-E1
Injection Volume 2
Acq. Date-Time 3/12/2021 7:52:26 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	35316	242.03	71.0	1319.62	92428	9.8691 ng/ml
7-aminoclonazepam	4.271	510461	22675.39	78.5	10885.53	183880	97.1226 ng/ml
a-hydroxyalprazolam	5.692	308463	2250.60	57.2	646.18	456315	100.3740 ng/ml
alpha-PHP	4.930	429055	3119.63	265.8	9822.78	741536	101.1440 ng/ml
alpha-PVP	4.363	1697248	30918.11	52.9	12002.46	741536	100.4870 ng/ml
Alprazolam	5.775	1250443	1995.46	114.0	4520.61	456315	100.5536 ng/ml
Amphetamine	3.063	2892506	3844.62	49.4	11042.30	323225	109.3226 ng/ml
Benzoylecgonine	3.899	45418	531.79	7.5	138.66	16861	98.8254 ng/ml
Buprenorphine	5.738	17023	550.54	15.1	1954.35	66611	9.5705 ng/ml
Bupropion	4.781	1454201	959.05	59.9	14321.07	515824	101.9353 ng/ml
Carisoprodol	5.724	1110148	17947.57	53.4	5475.36	542103	97.2295 ng/ml
Citalopram	5.212	728011	9781.87	43.7	13078.67	330229	100.1199 ng/ml
Clonazepam	5.612	1478571	2079.87	32.8	894.34	175808	105.1585 ng/ml
Clonazepam	5.555	998579	61084.84	36.6	703057.60	175808	101.0865 ng/ml
Cocaine	4.257	1371562	542.47	53.2	6526.83	1298258	98.2715 ng/ml
Codeine	2.573	166575	282.73	103.7	2300.28	90065	102.1978 ng/ml
Cyclobenzaprine	5.615	224453	705.99	8.6	256.33	89023	102.1428 ng/ml
Dextromethorphan	5.262	343758	12640.69	79.5	7315.70	162531	100.2875 ng/ml
Dextrophan	4.111	516348	1622.76	204.8	31385.16	613885	100.8237 ng/ml
Diazepam	5.953	800004	847.46	87.2	7908.25	373648	100.7693 ng/ml
Dihydrocodeine	2.552	470160	6042.97	62.2	831.89	281345	105.0293 ng/ml
Diphenhydramine	5.289	2024627	2067.73	32.4	533.67	1183331	99.3023 ng/ml
Doxylamine	4.529	3842599	39499.48	98.5	613527.96	1593903	105.5674 ng/ml
EDDP	5.254	1122699	30851.20	42.5	333356.73	565209	100.1423 ng/ml
Etizolam	5.813	715443	3301.97	24.8	257798.52	175808	94.2935 ng/ml
Fentanyl	5.089	35458	1121.80	68.9	141.30	165473	10.1407 ng/ml
Flualprazolam	5.705	576999	5658.18	96.8	41804.99	456315	102.3544 ng/ml
Fluoxetine	5.700	167264	11301.14	8.2	20030.60	67570	105.7606 ng/ml
Hydrocodone	3.012	706114	∞	35.9	1615.76	815089	108.6943 ng/ml
Hydromorphone	1.601	624626	4694.85	75.1	1339667.37	12284	103.5354 ng/ml
Ketamine	4.044	1357859	2685.10	37.8	1420.96	642463	102.9550 ng/ml
Lamotrigine	4.273	114653	10324.48	79.7	6050.29	642463	101.3506 ng/ml
Levetiracetam	2.690	504285	3637.61	162.6	5573.47	1687072	95.8625 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1028886	3838.85	55.3	1273.13	175808	88.5229 ng/ml
MDA	3.203	1899937	9929.92	24.7	333.00	529763	108.1607 ng/ml
MDMA	3.290	1322708	7726.87	79.8	4163.00	128907	100.8644 ng/ml
Meprobamate	4.924	714028	354.62	26.7	6484.81	334753	101.4123 ng/ml
Methadone	5.646	1148160	52328.11	45.4	2205.54	517424	97.8778 ng/ml
Methamphetamine	3.231	2491404	9900.76	38.3	627.90	973838	107.0564 ng/ml
Metoprolol	4.326	340850	5744.53	89.9	1937.90	1642736	102.7831 ng/ml
Mirtazapine	4.610	1394936	71910.63	47.5	4427.90	741536	96.0979 ng/ml
Mitragynine	5.223	163159	1130.46	40.8	4304.53	517424	102.8609 ng/ml
Morphine	1.240	94826	450.29	27.4	304.23	12284	100.6703 ng/ml
Norbuprenorphine	4.986	2373	10759.73	106.6	54.28	12151	9.5508 ng/ml
Nordiazepam	5.900	792820	32253.90	58.5	1278.93	264954	102.2821 ng/ml
Norfentanyl	4.079	310792	21326.04	33.9	889.30	1309223	9.5463 ng/ml
Norhydrocodone	3.059	93431	230.42	42.2	237.18	88227	92.4071 ng/ml
Noroxycodone	2.909	740943	3487.70	42.4	3622.00	257350	101.8572 ng/ml
O-desmethyl-tramadol	3.369	3058078	2676.78	6.7	351.46	1825938	100.2536 ng/ml
Oxazepam	5.749	1375864	13014.09	73.9	8404.51	536222	104.3107 ng/ml
Oxycodone	2.834	1510572	1274.68	26.5	4365.59	651037	101.8948 ng/ml
Oxymorphone	1.398	672196	∞	41.9	680.34	250961	100.2970 ng/ml
Phentermine	3.783	673197	4128.95	4.5	92.30	796338	105.4987 ng/ml
Promethazine	5.532	473046	16366.72	27.3	284.01	199219	100.6566 ng/ml
Pseudoephedrine	2.596	3560284	42703.64	16.3	29763.86	1687072	96.2766 ng/ml
Quetiapine	5.528	824330	41431.91	57.7	169.41	115295	101.6695 ng/ml
Sertraline	5.769	73433	4983.25	99.7	229.02	35831	98.6770 ng/ml
Temazepam	5.816	2492093	19650.34	28.0	439.76	1165593	98.8348 ng/ml
Tramadol	4.246	3194180	1094.80	3.7	390.15	1642736	102.6305 ng/ml
Trazodone	5.101	644360	35887.52	77.8	17037.23	254967	96.9428 ng/ml
Venlafaxine	5.037	2710837	665.39	39.7	28151.69	1361035	99.2155 ng/ml
Zolpidem	4.874	3225762	16583.93	30.8	3184.62	1561704	103.0445 ng/ml

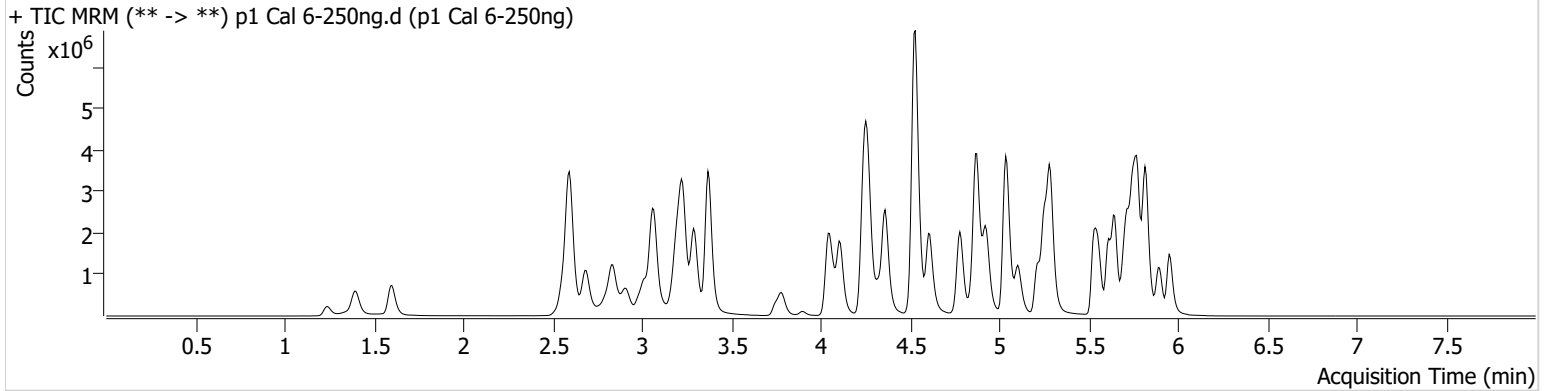
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Calibration Last Update 3/15/2021 1:10:48 PM

Instrument	Instrument 1	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	3/12/2021 8:03:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	86704	197.86	70.3	1904.87	89351	25.1130 ng/ml
7-aminoclonazepam	4.271	948417	7781.74	81.5	6763.94	132114	250.5094 ng/ml
a-hydroxyalprazolam	5.692	508592	1600.86	59.4	562.62	375578	201.8775 ng/ml
alpha-PHP	4.930	987042	4503.23	263.2	89292.71	685572	252.1978 ng/ml
alpha-PVP	4.363	3850554	1066.65	52.5	3014.29	685572	246.4995 ng/ml
Alprazolam	5.775	2607600	∞	113.7	∞	375578	254.3908 ng/ml
Amphetamine	3.063	5376409	140702.63	49.3	5814.42	270882	244.0250 ng/ml
Benzoylecgonine	3.899	112992	587.67	7.8	888.76	16990	245.6788 ng/ml
Buprenorphine	5.738	37029	728.17	15.4	8761.51	57637	24.0731 ng/ml
Bupropion	4.781	3271440	65938.80	60.5	21301.44	473227	249.8580 ng/ml
Carisoprodol	5.724	2025461	46056.70	52.5	∞	396569	241.8658 ng/ml
Citalopram	5.212	1699242	17002.49	43.6	420.90	313245	246.1750 ng/ml
Clonazepam	5.612	2785154	48147.73	32.8	13773.06	140177	249.0030 ng/ml
Clonazepam	5.555	2010527	46042.30	37.6	1146773.92	140177	254.9252 ng/ml
Cocaine	4.257	3083583	600.67	51.5	∞	1153762	248.3454 ng/ml
Codeine	2.573	338607	1244.45	99.7	13551.41	80677	232.8884 ng/ml
Cyclobenzaprine	5.615	435777	664.01	8.4	84.25	71466	246.6528 ng/ml
Dextromethorphan	5.262	774856	22369.52	78.8	5281.91	147363	249.1811 ng/ml
Dextrophan	4.111	1186614	16557.78	209.8	2404.38	573936	247.7556 ng/ml
Diazepam	5.953	1637446	12076.08	88.5	759.72	311102	247.7739 ng/ml
Dihydrocodeine	2.552	1026244	2289.67	63.2	1319.65	269915	239.8398 ng/ml
Diphenhydramine	5.289	4766617	31295.98	32.5	1062.08	1105164	249.8395 ng/ml
Doxylamine	4.529	9454713	12520.80	97.1	5669.87	1578901	262.4713 ng/ml
EDDP	5.254	2829099	2632.80	42.5	956.18	579556	246.0827 ng/ml
Etizolam	5.813	1498078	15736.43	25.4	532855.19	140177	246.3495 ng/ml
Fentanyl	5.089	76564	5695.62	70.3	66541.71	145901	24.7851 ng/ml
Flualprazolam	5.705	1163008	24394.92	100.2	68297.15	375578	250.7504 ng/ml
Fluoxetine	5.700	218435	11552.20	8.7	368.93	38360	243.0978 ng/ml
Hydrocodone	3.012	1510216	834.97	38.6	∞	802975	236.8799 ng/ml
Hydromorphone	1.601	1384094	5176069.40	75.2	3070927.61	11325	249.1863 ng/ml
Ketamine	4.044	3074502	125836.61	38.2	1105.87	602111	249.1885 ng/ml
Lamotrigine	4.273	225512	831.53	79.6	12943.18	602111	213.6769 ng/ml
Levetiracetam	2.690	1159343	11243.77	162.0	12797.75	1452871	255.6658 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1318830	21078.70	56.5	3652.25	140177	143.0385 ng/ml
MDA	3.196	3457390	1213.75	24.3	207.51	432600	242.5747 ng/ml
MDMA	3.290	3005543	4234.71	80.4	2065.76	120276	245.7259 ng/ml
Meprobamate	4.924	1275459	93657.90	26.9	369.86	286443	212.4237 ng/ml
Methadone	5.646	2765172	56513.94	45.4	62800.22	492097	247.4699 ng/ml
Methamphetamine	3.231	5636548	2731.24	37.2	1833.32	951149	250.4584 ng/ml
Metoprolol	4.326	763333	94414.12	89.2	7620.84	1460010	259.8115 ng/ml
Mirtazapine	4.610	3310774	2743.27	47.5	9707.53	685572	246.8639 ng/ml
Mitragynine	5.223	382968	14785.61	39.9	758.75	492097	253.4382 ng/ml
Morphine	1.240	218907	920.46	27.6	454.36	11325	252.0862 ng/ml
Norbuprenorphine	4.986	5609	20147.80	99.6	3354.50	11035	25.2116 ng/ml
Nordiazepam	5.900	1544768	121052.51	57.9	1911.43	211273	250.1651 ng/ml
Norfentanyl	4.079	721386	24690.24	33.9	1337.46	1179864	24.4812 ng/ml
Norhydrocodone	3.059	194895	∞	42.5	154.18	69909	242.2067 ng/ml
Noroxycodone	2.909	1469612	3984.09	41.7	1858.71	210732	246.9017 ng/ml
O-desmethyl-tramadol	3.369	7126712	202096.77	6.7	787.06	1683280	253.2892 ng/ml
Oxazepam	5.749	2076814	34598.97	75.4	2948.21	335237	252.3596 ng/ml
Oxycodone	2.834	3491886	2081.62	26.4	1459.52	615366	249.4394 ng/ml
Oxymorphone	1.398	1438729	∞	42.2	∞	213537	252.7426 ng/ml
Phentermine	3.783	1407741	2836.91	4.6	587.12	754864	233.7063 ng/ml
Promethazine	5.532	937545	2165.17	28.0	502.83	156801	253.2213 ng/ml
Pseudoephedrine	2.596	7873947	117638.96	16.2	57634.62	1452871	246.6184 ng/ml
Quetiapine	5.528	1952687	44993.49	60.7	282591.90	112232	247.6328 ng/ml
Sertraline	5.762	90025	5867.61	99.3	1361.67	16715	259.0587 ng/ml
Temazepam	5.823	4436550	31938.35	28.1	413.95	841064	243.3645 ng/ml
Tramadol	4.246	7055384	15772.01	3.6	210.18	1460010	255.6416 ng/ml
Trazodone	5.101	1532148	647.81	79.7	121617.58	233121	250.9595 ng/ml
Venlafaxine	5.037	6542237	107568.77	38.2	2783.20	1275646	255.0371 ng/ml
Zolpidem	4.874	7673326	7019.78	30.2	128379.98	1485633	258.2744 ng/ml

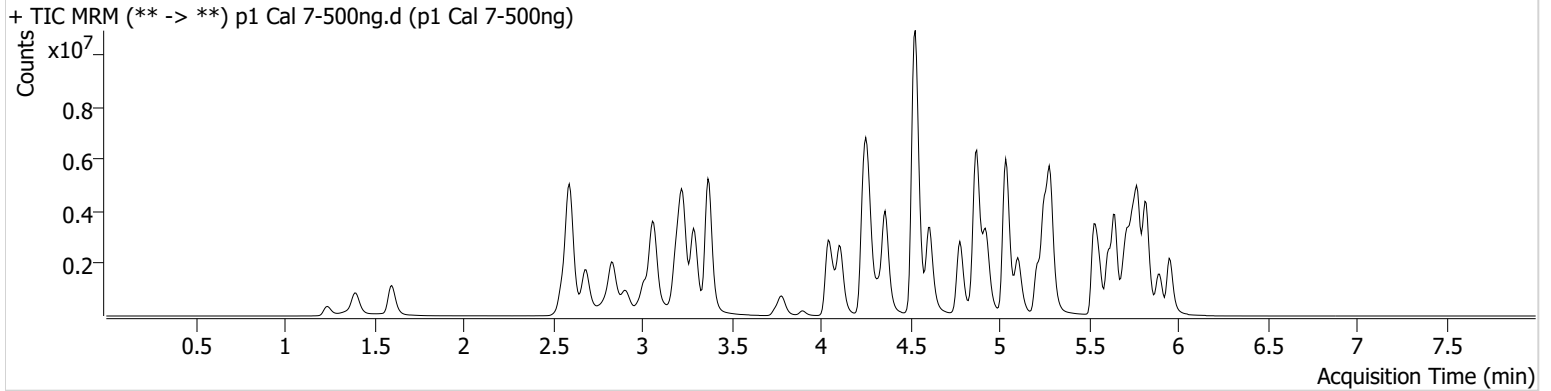
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Calibration Last Update 3/15/2021 1:10:48 PM

Instrument	Instrument 1	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	3/12/2021 8:13:38 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	160820	1227.17	71.1	1881.70	81408	51.1582 ng/ml
7-aminoclonazepam	4.278	1358259	8188.27	84.1	3980.89	92775	510.4646 ng/ml
a-hydroxyalprazolam	5.692	620252	582.31	59.5	758.34	287960	321.5849 ng/ml
alpha-PHP	4.930	1601961	34663.11	270.4	105131.14	550804	509.8223 ng/ml
alpha-PVP	4.363	6313666	928.16	53.1	82440.33	550804	503.0117 ng/ml
Alprazolam	5.775	4007166	2418.52	112.9	511.18	287960	509.6330 ng/ml
Amphetamine	3.063	7755976	3795.62	49.1	35905.91	220336	433.7754 ng/ml
Benzoylcegonine	3.899	210929	1732.12	7.6	280.61	15362	508.4511 ng/ml
Buprenorphine	5.738	58777	5315.76	14.7	7221.28	44284	49.7430 ng/ml
Bupropion	4.781	4719888	1178.54	60.0	2136.24	344035	495.7832 ng/ml
Carisoprodol	5.724	2690273	∞	54.3	6582.57	254549	500.0384 ng/ml
Citalopram	5.212	2805907	3336.53	43.1	5728.77	257926	493.5605 ng/ml
Clonazepam	5.612	3940539	23479.67	32.3	1049544.45	105048	470.4811 ng/ml
Clonazepam	5.555	2903358	60102.87	38.0	231773.57	105048	491.0356 ng/ml
Cocaine	4.257	5006441	2050.40	51.5	872.06	926671	501.8448 ng/ml
Codeine	2.573	501750	241.96	101.6	1936.73	65968	422.6575 ng/ml
Cyclobenzaprine	5.615	782830	15784.19	8.6	879.10	62275	508.1996 ng/ml
Dextromethorphan	5.262	1235511	20436.64	79.0	19146.55	120425	486.1055 ng/ml
Dextrophan	4.111	1982377	3460.10	207.1	82503.20	469945	505.4423 ng/ml
Diazepam	5.953	2705617	889.10	87.0	7568.21	259062	491.6844 ng/ml
Dihydrocodeine	2.552	1703524	24550.90	63.5	67332.97	251530	427.7621 ng/ml
Diphenhydramine	5.289	7963532	6560.49	32.7	827.54	910874	506.1085 ng/ml
Doxylamine	4.529	16088219	6213.68	97.3	409028.18	1420785	496.4799 ng/ml
EDDP	5.254	5558059	36614.46	42.0	63973.58	550061	509.3637 ng/ml
Etizolam	5.813	2436383	8126.75	25.0	4628.34	105048	533.7074 ng/ml
Fentanyl	5.089	143444	674.19	70.7	19481.34	135450	49.9842 ng/ml
Flualprazolam	5.705	1749865	24632.71	103.5	13347.67	287960	492.1379 ng/ml
Fluoxetine	5.700	339640	21161.46	8.7	276.93	30592	473.8339 ng/ml
Hydrocodone	3.012	2561405	∞	38.6	1621.32	708832	455.8289 ng/ml
Hydromorphone	1.601	2260480	8588.35	75.0	5504.28	9945	463.6409 ng/ml
Ketamine	4.044	5147199	102735.02	37.4	15384.56	508447	494.3451 ng/ml
Lamotrigine	4.280	322279	2568.66	80.3	2993.26	508447	362.2294 ng/ml
Levetiracetam	2.690	1871514	18601.23	164.1	22215.35	1116634	536.8323 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1414863	1934.20	54.7	2986.35	105048	205.2874 ng/ml
MDA	3.196	4805038	2709.27	24.5	699.24	335721	435.4050 ng/ml
MDMA	3.290	4988929	12509.55	80.3	18490.46	97316	504.1788 ng/ml
Meprobamate	4.924	1731530	79060.85	27.1	12022.09	216708	381.7056 ng/ml
Methadone	5.646	4846489	162434.33	44.8	29222.89	432744	492.9770 ng/ml
Methamphetamine	3.231	8853279	3117.71	37.3	1396.10	816416	459.8758 ng/ml
Metoprolol	4.326	1232329	69011.64	90.9	25375.40	1262637	485.4757 ng/ml
Mirtazapine	4.610	5733146	7489.90	46.9	5455.40	550804	532.2021 ng/ml
Mitragynine	5.223	626728	3039.70	39.1	190687.33	432744	471.3898 ng/ml
Morphine	1.240	375549	9526.97	27.0	1680.60	9945	492.4817 ng/ml
Norbuprenorphine	4.986	9467	2724.29	100.6	202.59	8656	54.5092 ng/ml
Nordiazepam	5.900	2285618	4271.00	59.0	45738.44	160796	486.4897 ng/ml
Norfentanyl	4.079	1234336	1243.81	34.0	22212.75	977161	50.5063 ng/ml
Norhydrocodone	3.059	330782	∞	42.0	221.52	56258	510.1158 ng/ml
Noroxycodone	2.909	2195277	1465.89	42.5	12871.46	158100	491.7251 ng/ml
O-desmethyl-tramadol	3.369	12363676	220577.26	6.7	1909.27	1453461	508.7972 ng/ml
Oxazepam	5.749	2196438	27479.14	74.1	4492.06	186364	480.4235 ng/ml
Oxycodone	2.827	6180291	4328.28	26.3	22593.68	556592	488.2614 ng/ml
Oxymorphone	1.398	2361435	∞	43.5	∞	184251	481.0397 ng/ml
Phentermine	3.783	2139851	3265.07	4.5	1132.08	639425	420.0246 ng/ml
Promethazine	5.532	1661092	57052.80	28.4	548.39	140378	500.9728 ng/ml
Pseudoephedrine	2.596	12628368	183338.32	15.9	1237.51	1116634	514.1941 ng/ml
Quetiapine	5.528	3493918	106198.97	57.9	1301.96	102697	484.3720 ng/ml
Sertraline	5.762	153404	4219.02	98.9	931.81	13973	527.9188 ng/ml
Temazepam	5.823	5780331	42108.02	27.9	3686.83	517269	515.1932 ng/ml
Tramadol	4.239	11731538	1684.37	3.6	1020.90	1262637	491.8808 ng/ml
Trazodone	5.101	2912327	69022.17	80.3	2259.73	200149	554.7404 ng/ml
Venlafaxine	5.037	11210932	290690.84	38.6	1132.03	1072206	519.6750 ng/ml
Zolpidem	4.874	13391578	1502.50	30.3	5473.99	1327713	504.7394 ng/ml

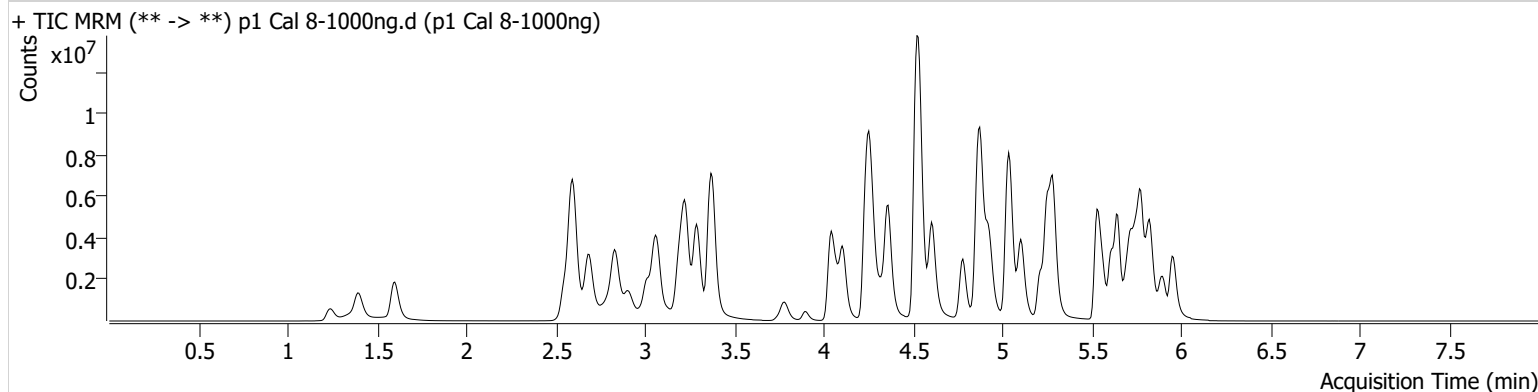
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\031221 AM 27 28 CS\QuantResults\AM 28 MDQ P1.batch.bin
Calibration Last Update 3/15/2021 1:10:48 PM

Instrument	Instrument 1	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	3/12/2021 8:24:14 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	309717	5095.79	71.9	3181.93	77295	103.7989 ng/ml
7-aminoclonazepam	4.278	1827106	301.54	81.6	5646.61	58246	1093.2768 ng/ml
a-hydroxyalprazolam	5.685	771774	309.32	58.4	1058.88	225477	511.5030 ng/ml
alpha-PHP	4.930	2131868	71134.56	268.5	106105.63	409440	912.9896 ng/ml
alpha-PVP	4.363	9426711	239930.11	51.8	57149.42	409440	1010.2715 ng/ml
Alprazolam	5.775	5999380	2525.66	113.3	4011.66	225477	974.2183 ng/ml
Amphetamine	3.063	8758002	51820.97	49.5	51491.30	130694	826.9344 ng/ml
Benzoylcegonine	3.899	531155	88491.51	8.1	295.29	18746	1050.4495 ng/ml
Buprenorphine	5.738	53034	4930.15	14.5	2029.17	19717	100.8152 ng/ml
Bupropion	4.781	4977788	1337.56	60.5	151212.48	184452	975.1797 ng/ml
Carisoprodol	5.724	3734356	∞	52.4	26690.64	162799	1084.7882 ng/ml
Citalopram	5.212	3470182	1013.87	43.6	827.63	153748	1023.8795 ng/ml
Clonazepam	5.612	5681223	26712.90	31.8	20177.79	79152	900.6079 ng/ml
Clonazepam	5.555	4255482	178525.22	38.7	1236114.47	79152	954.9719 ng/ml
Cocaine	4.257	7900687	131919.60	51.7	604.77	712920	1029.2330 ng/ml
Codeine	2.573	726112	1037.68	98.7	13610.98	57206	705.8558 ng/ml
Cyclobenzaprine	5.615	1165849	69920.96	8.6	264.42	46265	1018.4948 ng/ml
Dextromethorphan	5.262	1435306	30853.04	79.3	32306.86	67044	1014.2449 ng/ml
Dextrophan	4.105	2669921	2181.71	213.6	108345.30	313531	1020.3004 ng/ml
Diazepam	5.953	4347798	16148.42	87.2	25544.76	206255	992.4390 ng/ml
Dihydrocodeine	2.545	2845582	726.04	64.3	1327.05	254428	706.8456 ng/ml
Diphenhydramine	5.289	9852597	188862.27	32.9	24670.18	546820	1042.7058 ng/ml
Doxylamine	4.522	23241980	259290.58	98.3	125404.29	1202151	847.8096 ng/ml
EDDP	5.254	8364047	61092.45	41.4	22833.11	413750	1019.0324 ng/ml
Etizolam	5.813	4012320	85868.33	24.9	2377.31	79152	1165.5456 ng/ml
Fentanyl	5.089	176479	2592.96	72.8	330393.10	83290	99.9726 ng/ml
Flualprazolam	5.705	2527972	33546.42	103.8	13333.72	225477	908.0497 ng/ml
Fluoxetine	5.700	421911	3423.18	8.7	615.53	18242	986.9836 ng/ml
Hydrocodone	3.012	4501701	283.24	37.9	613.96	648661	876.1461 ng/ml
Hydromorphone	1.601	3966652	1043539.32	75.6	2763436.81	8833	916.2974 ng/ml
Ketamine	4.044	8579325	510972.80	37.0	6917.07	442465	947.1377 ng/ml
Lamotrigine	4.280	477404	3803.42	80.0	4045.27	442465	617.2200 ng/ml
Levetiracetam	2.690	3580284	21738.12	163.2	125787.19	822156	1394.5892 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1465008	47095.66	53.8	306.33	79152	282.5535 ng/ml
MDA	3.196	6033182	9977.58	22.5	1045.94	224579	818.3474 ng/ml
MDMA	3.290	7251746	5414.24	79.6	9574.22	72401	985.1141 ng/ml
Meprobamate	4.924	2570742	65782.58	26.9	∞	166983	736.0752 ng/ml
Methadone	5.646	6327931	49795.73	44.1	38228.60	267420	1041.3154 ng/ml
Methamphetamine	3.231	10864741	52724.57	36.9	56040.33	567327	813.5873 ng/ml
Metoprolol	4.326	1759659	378648.87	90.8	7327.60	1029849	850.3177 ng/ml
Mirtazapine	4.604	7934955	110020.19	46.9	563843.56	409440	991.0021 ng/ml
Mitragynine	5.216	695981	2363.92	39.2	1729.50	267420	846.8731 ng/ml
Morphine	1.240	663838	25321.25	27.9	11099.28	8833	980.1845 ng/ml
Norbuprenorphine	4.986	10104	15074.63	102.2	501.01	5043	100.0418 ng/ml
Nordiazepam	5.900	3240626	37253.28	58.2	5381.23	115817	957.8021 ng/ml
Norfentanyl	4.079	2130149	27042.32	33.5	18145.86	759070	112.1210 ng/ml
Norhydrocodone	3.059	587423	1257.51	40.2	92.31	44629	1141.1461 ng/ml
Noroxycodone	2.903	3106272	10996.37	42.1	12940.42	111116	990.1123 ng/ml
O-desmethyl-tramadol	3.369	20022945	62902.49	7.2	30749.53	1235563	969.2246 ng/ml
Oxazepam	5.749	2073664	∞	72.2	3665.45	94229	897.3677 ng/ml
Oxycodone	2.827	11197549	3126.21	26.4	7609.73	521810	943.7629 ng/ml
Oxymorphone	1.391	4144456	125.33	42.3	253.99	162993	954.6585 ng/ml
Phentermine	3.783	2755768	1352.77	4.5	301.29	458013	755.8163 ng/ml
Promethazine	5.532	2346679	3332.79	28.4	3211.59	100671	986.7427 ng/ml
Pseudoephedrine	2.596	19229658	55227.80	16.2	100761.42	822156	1062.9984 ng/ml
Quetiapine	5.528	5622976	800433.18	59.0	960.15	82216	973.8787 ng/ml
Sertraline	5.762	227475	10989.31	99.1	481.54	11293	968.4676 ng/ml
Temazepam	5.830	6625548	1995.38	28.1	9900.75	284666	1072.6996 ng/ml
Tramadol	4.239	17085985	1100.97	3.8	2260.69	1029849	878.6190 ng/ml
Trazodone	5.101	5388860	9572.76	79.6	1553.42	161671	1269.8457 ng/ml
Venlafaxine	5.037	16615927	174047.98	40.0	899.89	825792	999.7964 ng/ml
Zolpidem	4.874	21767430	152781.48	34.2	72309.59	1320149	825.3889 ng/ml