

**REVIEWED**  
By Sarah Pickle at 2:16 pm, Aug 27, 2020

**Worklist: 4454**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-2855	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2857	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2958	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3055	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3113	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3115	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2332	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2373	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2388	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2389	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2392	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2401	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2402	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2403	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2404	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2417	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2418	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2419	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2422	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2423	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2424	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 4454**

CS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2020-2425	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 08/21/2020

Analyst: Celena Shrum

Plate lot#: 200513

Plate Expiration: 11/13/2020

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

**Mobile phase B:** 0.01% Formic Acid in MeOH

**Blank Blood Lot:** 445283-4

**Urine Blank lot:** POC031319

**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. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. 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) Manifold ID: 067104**
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 15. Remove plate containing eluate. **Urine samples add 50 ul 1% HCl in MeOH.** Place on SPE Dry and evaporate to dryness at approx. 35°C. **SPE Dry ID: 067103**
- 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 R<sup>2</sup> 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: Cal 1 had to be reinjected due to low ISTD responses for some compounds.

Curve limits: Lamotrigine: 5-500, Lorazepam: 5-100, Meprobamate: 5-500, Norbuprenorphine: 1-100.

P2020-2335-1 (urine sample) was run with this batch as it was inadvertently left off the list for extraction in the previous AM 28 run. This sample was reinjected during this run due to possible carryover from the sample preceding it.

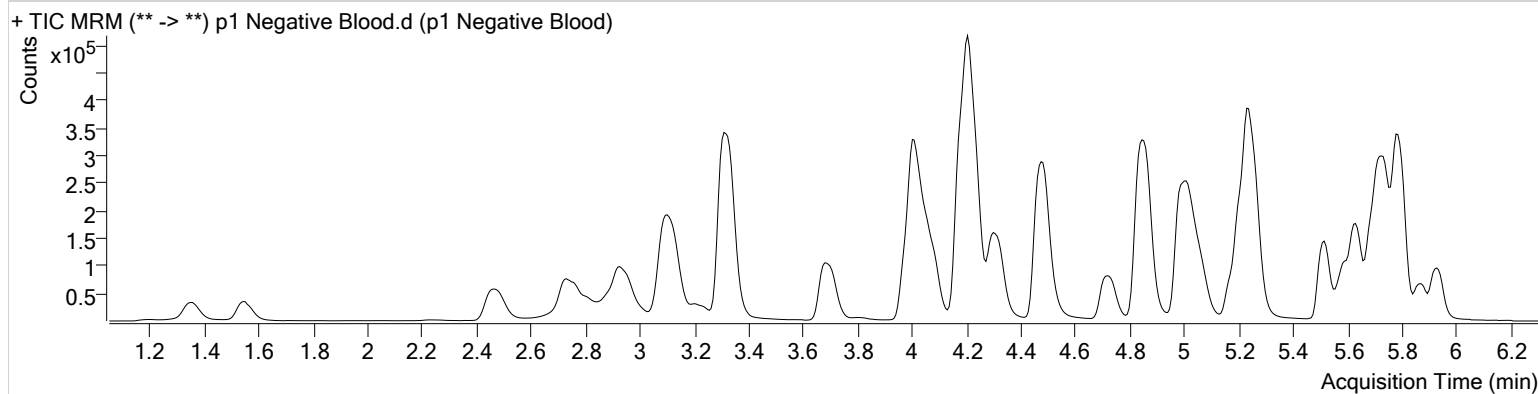
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-F6	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/22/2020 1:53:13 AM		
<b>Sample Info.</b>			

## Sample Chromatogram





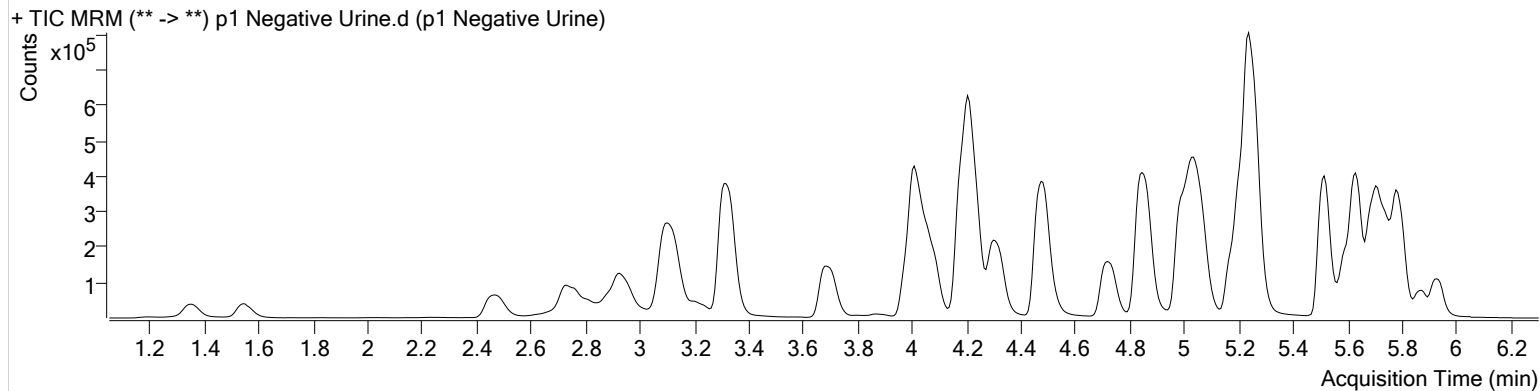
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Negative Urine.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Urine
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-G6	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/22/2020 2:03:47 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



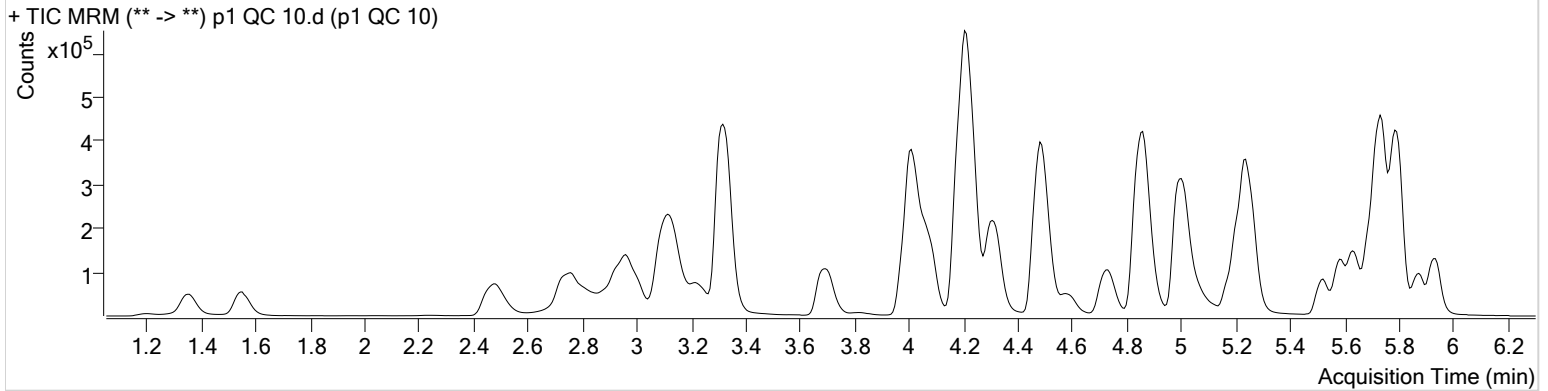
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

**Instrument** Falco **Data File** p1 QC 10.d  
**Type** QC **Sample** p1 QC 10  
**Acq. Method** MDQ P1 060520.m **Operator** Celena Shrum  
**Sample Position** P5-A6 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 8/21/2020 11:46:01 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	2774	94.64	76.4	∞	59957	0.9671 ng/ml
7-aminoclonazepam	4.230	31655	262.24	83.1	514.31	122185	9.7472 ng/ml
a-hydroxyalprazolam	5.674	25708	176.84	64.1	∞	63894	9.6998 ng/ml
alpha-PHP	4.888	27260	1547.37	263.5	3532.29	560261	10.2191 ng/ml
alpha-PVP	4.322	128821	1338.39	51.0	1327.49	560261	9.9945 ng/ml
Alprazolam	5.751	89502	392.90	107.5	1315.17	259823	10.3050 ng/ml
Amphetamine	2.977	191920	3948.86	49.5	514.70	188251	9.9419 ng/ml
Benzoylcegonine	3.845	4680	602.39	7.3	55.12	16301	9.5290 ng/ml
Buprenorphine	5.829	1724	33.30	17.6	7.05 Low-OK	70643	1.0262 ng/ml
Bupropion	4.739	87500	377.51	59.8	277.53	285804	10.0024 ng/ml
Carisoprodol	5.707	72576	702.33	54.5	583.02	329676	10.4209 ng/ml
Citalopram	5.183	49451	230.81	42.6	424.75	220799	10.0367 ng/ml
Clonazepam	5.588	112208	1702.79	33.6	1044.64	132653	9.8415 ng/ml
Cocaine	4.223	146978	6448.87	45.6	2048.55	1033766	10.2266 ng/ml
Codeine	2.516	15027	293.03	107.2	957.39	72856	9.4239 ng/ml
Cyclobenzaprine	5.598	10734	967.99	10.9	29.05	42837	10.2657 ng/ml
Dextromethorphan	5.226	22220	46.17	78.8	1358.24	105838	9.8101 ng/ml
Dextrophan	4.077	33623	36576.03	216.7	718.09	441192	9.6477 ng/ml
Diazepam	5.936	57554	708.37	88.4	763.45	273119	10.0221 ng/ml
Dihydrocodeine	2.488	39757	363.15	66.6	322.82	215575	9.9042 ng/ml
Diphenhydramine	5.253	103998	693.68	32.2	308.93	734552	10.0598 ng/ml
Doxylamine	4.494	266351	8735.08	97.5	8355.84	1097764	9.8690 ng/ml
EDDP	5.225	70872	9876.17	42.8	434.82	381354	9.8162 ng/ml
Fentanyl	5.053	1580	68.45	69.0	∞	71810	1.0132 ng/ml
Fluoxetine	5.690	7684	228.96	9.2	∞	28019	10.5787 ng/ml
Hydrocodone	2.959	51658	67.43	39.2	105.49	315452	9.9347 ng/ml
Hydromorphone	1.561	45544	766.40	73.8	249.67	142400	10.0342 ng/ml
Ketamine	4.003	116929	795.66	39.5	212.75	494765	10.0025 ng/ml
Lamotrigine	4.239	8953	404.48	85.0	∞	494765	11.2848 ng/ml
Lorazepam	5.729	99227	∞	55.9	3068.11	132653	10.2996 ng/ml
MDA	3.130	133132	1765.66	21.3	350.92	285919	10.2386 ng/ml
MDMA	3.231	101811	1906.56	64.5	1683.08	93453	10.1246 ng/ml
Meprobamate	4.869	32143	171.65	26.3	162.04	172240	10.0383 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	57693	2204.15	54.9	800.38	272134	10.0034 ng/ml
Methamphetamine	3.158	138396	323.25	40.5	362.46	580639	10.8965 ng/ml
Metoprolol	4.285	21509	546.98	99.0	654.77	1298309	9.6352 ng/ml
Mirtazapine	4.589	96739	2224.02	49.1	641.93	560261	10.6700 ng/ml
Mitragynine	5.188	9025	4184.63	38.2	7892.65	272134	10.6937 ng/ml
Morphine	1.206	7549	1095.75	23.8	305.52	8044	10.1906 ng/ml
Norbuprenorphine	4.944	244	21.03	96.4	22.30	10319	0.7882 ng/ml
Nordiazepam	5.882	57073	704.84	55.8	638.85	178876	10.3494 ng/ml
Norfentanyl	4.037	20324	670.58	37.6	37.91	920972	0.9856 ng/ml
Norhydrocodone	3.001	5548	60.68	42.4	69.37	57399	9.9593 ng/ml
Noroxycodone	2.838	46952	645.32	48.0	126.73	156215	10.4513 ng/ml
O-desmethyl-tramadol	3.323	277980	1084.80	6.1	295.49	1444553	10.0724 ng/ml
Oxazepam	5.732	110823	∞	69.5	289.85	630724	10.3257 ng/ml
Oxycodone	2.762	104533	530.81	30.3	∞	432437	10.2042 ng/ml
Oxymorphone	1.356	45180	472.67	46.7	491.45	160366	9.8109 ng/ml
Phentermine	3.723	33290	334.63	3.6	71.32	437214	10.5258 ng/ml
Promethazine	5.515	24076	426.87	31.8	361.23	101493	10.6823 ng/ml
Quetiapine	5.532	51482	6357.53	57.8	∞	63285	10.7336 ng/ml
Sertraline	5.765	3159	∞	96.0	64.43	11786	10.1643 ng/ml
Temazepam	5.799	183531	965.03	30.0	389.19	890340	10.0710 ng/ml
Tramadol	4.205	260439	4333.99	3.5	134.72	1298309	9.9314 ng/ml
Trazodone	5.114	38813	2142.96	78.1	1905.91	162968	10.0843 ng/ml
Venlafaxine	5.001	188160	636.05	35.6	203.23	938404	10.7476 ng/ml
Zolpidem	4.872	248104	11772.48	30.7	4573.03	1182792	10.0433 ng/ml

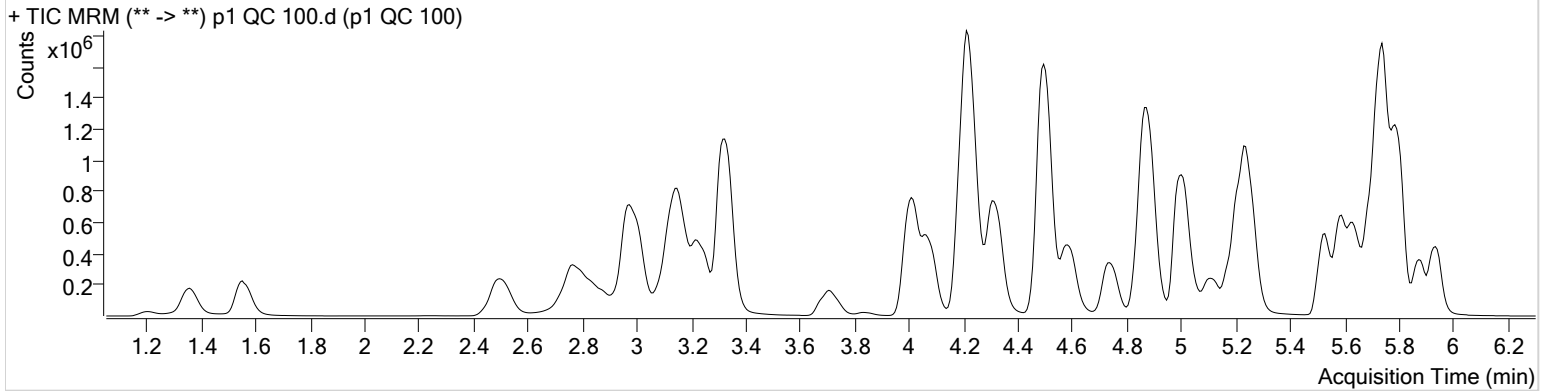
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-B6	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/22/2020 12:07:12 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	29517	23695.22	72.6	3799.79	59850	10.7265 ng/ml
7-aminoclonazepam	4.223	384864	2367.01	83.2	3423.22	141659	102.5446 ng/ml
a-hydroxyalprazolam	5.674	250722	1597.79	63.5	386.59	59588	104.3560 ng/ml
alpha-PHP	4.888	266051	3522.03	266.7	83151.29	530256	107.3065 ng/ml
alpha-PVP	4.322	1275814	2049.45	50.6	1136.53	530256	102.3125 ng/ml
Alprazolam	5.751	846702	5958.51	107.4	1257.94	229493	102.4342 ng/ml
Amphetamine	2.977	1852022	22317.64	48.3	7824.05	177494	113.8159 ng/ml
Benzoylcegonine	3.838	44198	382.55	7.9	918.48	15655	101.4472 ng/ml
Buprenorphine	5.829	19907	1283.31	18.0	346.81	80887	9.9512 ng/ml
Bupropion	4.739	707320	2604.68	60.6	2431.12	224088	103.4083 ng/ml
Carisoprodol	5.700	665265	25386.94	55.6	2419.08	301777	105.7984 ng/ml
Citalopram	5.183	560388	875.13	42.1	8853.91	238596	104.7435 ng/ml
Clonazepam	5.588	1084350	13981.76	32.8	1756.48	124147	104.0540 ng/ml
Cocaine	4.229	1448684	95699.98	45.2	19916.19	980442	105.0025 ng/ml
Codeine	2.523	155829	2736.12	105.3	721.72	70051	103.6488 ng/ml
Cyclobenzaprine	5.605	222634	17365.19	9.9	264.60	88514	102.2810 ng/ml
Dextromethorphan	5.226	271512	5713.28	79.2	479.90	121138	104.2026 ng/ml
Dextrophan	4.077	342875	7501.00	213.0	2407.56	423517	102.2506 ng/ml
Diazepam	5.936	571932	753.75	87.7	3081.43	255982	105.6306 ng/ml
Dihydrocodeine	2.488	406385	826.39	65.4	602.13	212911	105.5233 ng/ml
Diphenhydramine	5.253	1168316	1863.90	32.7	359.77	782261	103.7749 ng/ml
Doxylamine	4.500	2772378	68666.12	97.3	165131.88	1095095	102.8711 ng/ml
EDDP	5.218	828165	437.00	42.5	8177.24	433166	101.4190 ng/ml
Fentanyl	5.060	25787	355.38	66.9	49947.73	118337	9.8767 ng/ml
Fluoxetine	5.690	207567	573.04	8.7	16296.89	81366	105.1799 ng/ml
Hydrocodone	2.959	509488	411.16	39.1	346.35	302776	106.9128 ng/ml
Hydromorphone	1.561	446286	∞	75.4	∞	140183	101.1420 ng/ml
Ketamine	4.003	1148486	4035.19	39.8	993.12	476597	105.5930 ng/ml
Lamotrigine	4.239	84427	1614.50	83.3	1280.31	476597	109.2989 ng/ml
Lorazepam	5.729	846619	993.68	54.9	4264.11	124147	101.6651 ng/ml
MDA	3.130	1266658	7714.77	20.8	2488.53	264390	109.9354 ng/ml
MDMA	3.231	1026955	∞	65.0	22644.51	90838	105.3822 ng/ml
Meprobamate	4.869	293103	1093.62	26.6	1399.61	156106	104.5517 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	702284	2121.29	53.4	969.64	324400	103.2861 ng/ml
Methamphetamine	3.158	1264552	1753.73	41.7	2571.11	562819	110.7565 ng/ml
Metoprolol	4.285	219359	364658.99	96.7	∞	1264889	104.9029 ng/ml
Mirtazapine	4.589	1031896	12238.06	48.9	77849.62	530256	107.1337 ng/ml
Mitragynine	5.188	122058	∞	37.9	3439.14	324400	115.4685 ng/ml
Morphine	1.206	76189	1649.86	22.9	118.57	7958	105.1814 ng/ml
Norbuprenorphine	4.944	2671	244.22	89.8	3585.67	10961	10.4994 ng/ml
Nordiazepam	5.882	551710	1663.09	58.3	29659.83	170546	106.1739 ng/ml
Norfentanyl	4.044	203507	∞	37.2	558.88	882083	10.1711 ng/ml
Norhydrocodone	3.021	51870	242.82	42.7	267.71	47456	106.6587 ng/ml
Noroxycodone	2.845	465031	1742.47	49.4	583.00	150185	107.3638 ng/ml
O-desmethyl-tramadol	3.323	2903551	13058.66	6.0	1608.34	1440955	103.6828 ng/ml
Oxazepam	5.732	977591	33590.93	70.7	10555.76	550018	106.0819 ng/ml
Oxycodone	2.762	1067054	9185.01	30.9	2310.15	426379	106.9609 ng/ml
Oxymorphone	1.356	432077	∞	48.0	∞	154230	102.5773 ng/ml
Phentermine	3.723	336305	∞	3.3	1638.30	424537	109.8554 ng/ml
Promethazine	5.515	505624	33675.45	30.9	1295.86	210351	103.1721 ng/ml
Quetiapine	5.532	557582	∞	60.9	∞	68417	106.5366 ng/ml
Sertraline	5.765	99603	1165.08	89.2	14872.87	36963	104.3384 ng/ml
Temazepam	5.799	1733707	3336.74	30.1	844.14	822309	101.6444 ng/ml
Tramadol	4.205	2589304	2135.80	3.4	476.95	1264889	103.4815 ng/ml
Trazodone	5.114	503726	19029.82	78.5	16059.79	204903	99.0770 ng/ml
Venlafaxine	5.001	1887957	3427.84	36.3	1881.33	894641	107.3121 ng/ml
Zolpidem	4.872	2466454	157672.71	30.5	60160.77	1132735	104.8856 ng/ml

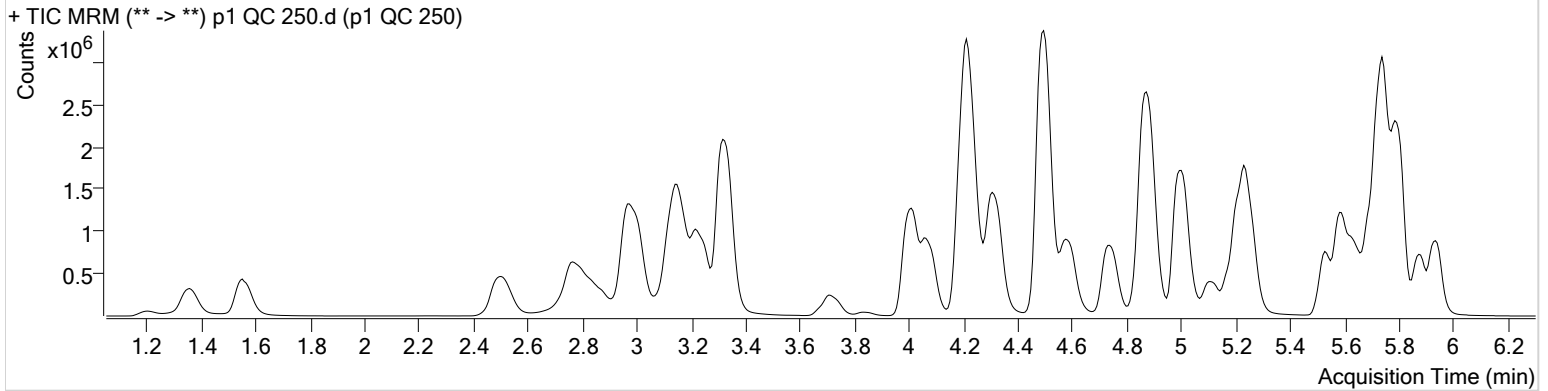
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-C6	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/22/2020 12:28:23 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	65979	1613.34	72.2	∞	55913	25.7256 ng/ml
7-aminoclonazepam	4.223	666384	290.81	82.8	4418.93	102595	245.2071 ng/ml
a-hydroxyalprazolam	5.668	539312	3164.31	62.6	1511.04	53577	250.0873 ng/ml
alpha-PHP	4.888	574629	33151.25	264.0	34684.02	499331	246.3861 ng/ml
alpha-PVP	4.322	2908849	1963.70	50.1	6950.73	499331	247.3777 ng/ml
Alprazolam	5.758	1863390	1322.56	105.6	∞	205490	250.5746 ng/ml
Amphetamine	2.977	3609334	∞	48.7	23282.58	154837	255.8802 ng/ml
Benzoylcegonine	3.838	102316	9758.15	7.8	185.90	14623	252.7056 ng/ml
Buprenorphine	5.829	35361	1416.33	16.3	163.15	55035	25.9085 ng/ml
Bupropion	4.739	1932583	46149.00	60.5	10480.33	251521	251.7663 ng/ml
Carisoprodol	5.700	1393502	∞	55.4	11527.45	272907	245.2659 ng/ml
Citalopram	5.183	1025256	1154.62	42.8	5970.93	185973	245.7858 ng/ml
Clonazepam	5.588	2472891	1763.71	32.6	47877.76	118557	248.8491 ng/ml
Cocaine	4.223	3169951	200389.04	44.6	∞	887221	253.7105 ng/ml
Codeine	2.523	331068	540.04	103.6	7448.87	62652	246.4968 ng/ml
Cyclobenzaprine	5.605	220434	900082.19	10.0	1418.91	36027	248.6832 ng/ml
Dextromethorphan	5.219	428437	36823.84	79.5	1081.05	82354	241.7934 ng/ml
Dextrophan	4.077	745652	14718.77	214.6	44660.89	382665	246.0682 ng/ml
Diazepam	5.936	1319653	1796.69	86.5	5757.11	241210	258.5584 ng/ml
Dihydrocodeine	2.488	914816	8080.82	63.2	5347.28	198435	255.3306 ng/ml
Diphenhydramine	5.253	2140024	104017.89	32.9	546.25	602070	246.6374 ng/ml
Doxylamine	4.494	6252749	∞	98.2	∞	1014922	250.3246 ng/ml
EDDP	5.218	1879828	8624.41	43.4	1213.89	405652	245.8882 ng/ml
Fentanyl	5.053	31734	286.23	68.1	95920.87	60965	23.5680 ng/ml
Fluoxetine	5.690	141343	7449.50	8.6	2608.50	23451	249.6174 ng/ml
Hydrocodone	2.953	1064329	1530.82	38.4	∞	274219	247.2810 ng/ml
Hydromorphone	1.561	945487	885.00	78.4	∞	122574	245.2608 ng/ml
Ketamine	4.003	2604454	2982.15	39.3	2037.91	450121	254.0902 ng/ml
Lamotrigine	4.239	180614	∞	80.5	∞	450121	247.4069 ng/ml
Lorazepam	<u>5.722</u>	<u>1574480</u>	<u>3315.19</u>	<u>55.2</u>	<u>∞</u>	<u>118557</u>	<u>198.8906 ng/ml*</u>
MDA	3.123	2520685	34620.84	20.4	2092.40	222805	260.2802 ng/ml
MDMA	3.231	2247089	391704.65	65.0	∞	81667	256.5294 ng/ml
Meprobamate	4.862	587342	18879.39	25.7	4699.86	131334	249.5675 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	1210097	9141.72	52.6	3096.08	230239	250.9323 ng/ml
Methamphetamine	3.158	2692604	2722.97	41.5	1271.89	516231	258.3772 ng/ml
Metoprolol	4.285	471748	29688.55	95.8	∞	1199796	238.3818 ng/ml
Mirtazapine	4.582	2073941	∞	48.8	19215.51	499331	227.2073 ng/ml
Mitragynine	5.188	188645	13734.62	38.4	113028.51	230239	250.7797 ng/ml
Morphine	1.206	165380	2083.00	22.7	227.76	7210	252.1745 ng/ml
Norbuprenorphine	4.944	4647	489.61	86.8	4845.95	8250	24.6047 ng/ml
Nordiazepam	5.882	1253118	2076.45	58.1	2596.12	159853	257.4824 ng/ml
Norfentanyl	4.037	443212	1110.47	37.2	2270.58	790114	24.7097 ng/ml
Norhydrocodone	3.021	101263	654.99	44.1	304.23	38767	254.0869 ng/ml
Noroxycodone	2.838	974848	4702.71	48.8	5143.20	129142	261.6939 ng/ml
O-desmethyl-tramadol	3.324	6580564	3947.15	5.9	12313.19	1336312	253.1135 ng/ml
Oxazepam	5.732	1878305	35700.53	71.7	24211.29	448879	249.9881 ng/ml
Oxycodone	2.762	2364862	3711.69	31.4	1765.85	399895	252.9439 ng/ml
Oxymorphone	1.356	955121	∞	45.5	1305.28	133668	262.5029 ng/ml
Phentermine	3.723	736081	1934.98	3.2	661.25	386507	264.1531 ng/ml
Promethazine	5.515	504878	406424.57	31.8	1156.73	89539	241.2722 ng/ml
Quetiapine	5.532	1116371	47887.91	60.1	∞	57092	255.4628 ng/ml
Sertraline	5.765	56753	889.82	91.3	6996.17	9384	234.4744 ng/ml
Temazepam	5.800	4071537	23335.46	29.1	1314.88	780077	251.4132 ng/ml
Tramadol	4.201	5722546	3047.17	3.4	625.37	1199796	241.4176 ng/ml
Trazodone	5.107	873181	2255.67	78.4	29480.88	144377	242.9577 ng/ml
Venlafaxine	5.001	4299512	6454.89	36.1	2006.21	845788	257.6432 ng/ml
Zolpidem	4.873	5683316	1974.59	30.3	39631.95	1073501	255.1141 ng/ml



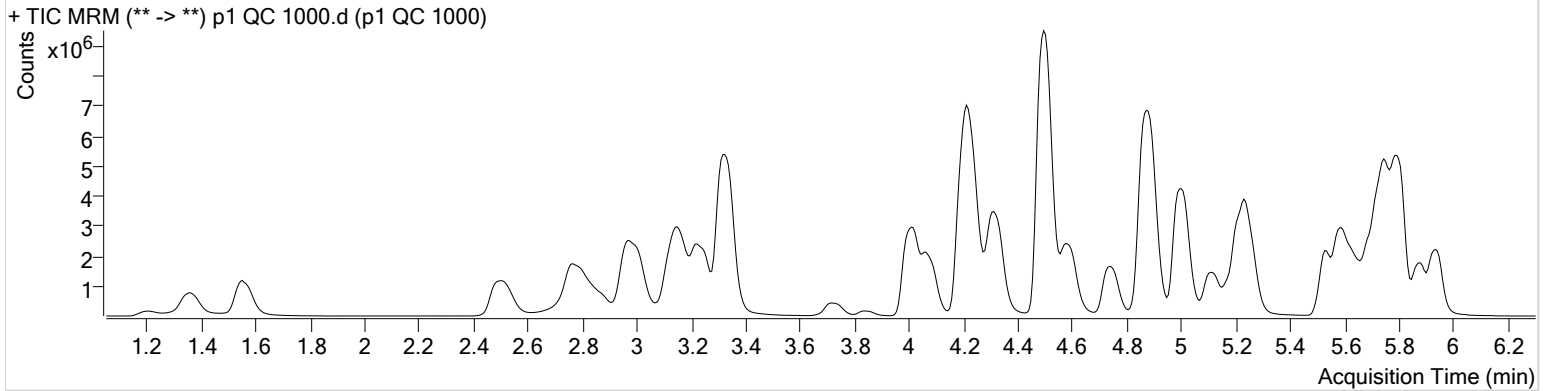
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 QC 1000.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 1000
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-D6	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/22/2020 12:49:35 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	212770	3750.63	70.9	8637.78	45801	101.4041 ng/ml
7-aminoclonazepam	4.237	1571187	10850.58	83.3	8091.75	63140	939.5080 ng/ml
a-hydroxyalprazolam	5.668	1359982	976.08	63.0	1073.84	35065	964.4680 ng/ml
alpha-PHP	4.895	1245686	6870.15	266.4	14920.17	319956	834.0512 ng/ml
alpha-PVP	4.322	7656627	38710.75	49.6	1698.74	319956	1015.4453 ng/ml
Alprazolam	5.758	4979263	∞	105.4	3380.27	133005	1031.9169 ng/ml
Amphetamine	3.004	6765920	31603.44	49.0	38490.62	87595	850.8972 ng/ml
Benzoylecgonine	3.838	428148	4844.06	7.8	4876.12	13861	1118.5844 ng/ml
Buprenorphine	5.829	68438	662.79	17.1	914.71	24597	112.0510 ng/ml
Bupropion	4.739	4004308	2299.73	60.5	2331.94	131500	997.8690 ng/ml
Carisoprodol	5.700	3173417	175259.87	54.3	66320.85	160870	947.9931 ng/ml
Citalopram	5.176	2288895	14699.63	42.2	1000.19	102292	997.4329 ng/ml
Clonazepam	5.588	6461078	47928.18	32.6	46516.36	81583	945.5800 ng/ml
Cocaine	4.229	8277335	313486.61	43.8	158535.01	571392	1028.2484 ng/ml
Codeine	2.530	918606	17367.12	101.3	19658.67	42657	1005.1696 ng/ml
Cyclobenzaprine	5.598	610029	2021.21	9.3	1024.71	25203	983.5175 ng/ml
Dextromethorphan	5.219	970176	599.21	79.6	1713.37	45716	986.1634 ng/ml
Dextrophan	4.077	1925683	4938.45	210.6	8160.64	244158	995.9051 ng/ml
Diazepam	5.936	3750253	3853.50	87.0	2555.12	176062	1006.4868 ng/ml
Dihydrocodeine	2.481	2674521	76120.46	64.8	63290.02	161379	918.7186 ng/ml
Diphenhydramine	5.260	4967102	3362.59	32.6	21793.01	342099	1006.7281 ng/ml
Doxylamine	4.494	18888042	731678.91	96.7	608072.95	747361	1026.8507 ng/ml
EDDP	5.218	5361635	33095.03	42.9	2914.40	283701	1002.9350 ng/ml
Fentanyl	5.060	86851	394.44	67.0	∞	39172	100.3287 ng/ml
Fluoxetine	5.690	381996	732.03	8.7	∞	15597	1016.8107 ng/ml
Hydrocodone	2.953	3021135	∞	39.0	∞	204511	942.6270 ng/ml
Hydromorphone	1.553	2862094	704.54	77.1	∞	97531	933.4610 ng/ml
Ketamine	4.003	7615530	2780.33	38.5	∞	335716	997.3023 ng/ml
Lamotrigine	4.253	404381	7024.68	81.3	∞	335716	742.4259 ng/ml*
Lorazepam	5.722	1988495	∞	57.5	4098.64	81583	365.8293 ng/ml*
MDA	3.123	5113634	15929.90	19.9	2900.40	120153	980.5007 ng/ml
MDMA	3.237	5827856	1299214.86	64.6	69043.41	51214	1061.0300 ng/ml
Meprobamate	4.855	1149613	22099.34	26.4	71710.71	81585	787.1924 ng/ml*

p1 QC 1000

\*Outside curve range

Generated at 9:30 AM on 8/26/2020



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	2927428	3511.78	51.9	1341.09	138960	1006.1708 ng/ml
Methamphetamine	3.158	5622353	48726.15	41.8	4647.05	297856	937.5553 ng/ml
Metoprolol	4.285	1137485	27589.63	96.3	54279.78	772963	893.3614 ng/ml
Mirtazapine	4.589	5541391	124655.35	48.7	297288.22	319956	943.3722 ng/ml
Mitragynine	5.188	400613	80826.22	38.4	16522.73	138960	880.9682 ng/ml
Morphine	1.206	513192	∞	22.8	∞	5893	957.7124 ng/ml
Norbuprenorphine	4.951	9583	3310.30	85.2	180.14	4383	96.2688 ng/ml
Nordiazepam	5.882	3403425	19316.47	57.7	1474.25	109272	1023.4238 ng/ml
Norfentanyl	4.044	1248658	49005.02	37.4	7461.65	522456	105.2324 ng/ml
Norhydrocodone	3.021	269362	717.12	42.7	391.62	23544	1110.9170 ng/ml
Noroxycodone	2.852	2422617	100245.30	48.7	660.80	79801	1052.3503 ng/ml
O-desmethyl-tramadol	3.323	20500667	309797.68	5.7	2814.12	1005900	1046.9539 ng/ml
Oxazepam	5.726	3054388	∞	71.9	21943.25	189728	962.2908 ng/ml
Oxycodone	2.771	7505226	11259.06	30.7	∞	319992	1003.6231 ng/ml
Oxymorphone	1.356	2615228	2492.07	47.2	1247.47	95771	1004.7575 ng/ml
Phentermine	3.729	1713677	∞	3.1	∞	237958	998.9910 ng/ml
Promethazine	5.515	1400962	26115.16	30.8	1213.11	59711	1002.1765 ng/ml
Quetiapine	5.535	3419746	187100.60	60.5	∞	42464	1051.7805 ng/ml
Sertraline	5.765	144596	1458.26	89.3	1472.23	5974	939.0404 ng/ml
Temazepam	5.799	11214211	2089.61	28.5	2655.27	499400	1081.1645 ng/ml
Tramadol	4.190	15169291	31624.08	3.2	1496.08	772963	994.0516 ng/ml
Trazodone	5.114	3216045	948.54	78.1	1121.98	126050	1023.2191 ng/ml
Venlafaxine	5.001	12069944	258875.10	34.7	2337.24	568208	1074.6745 ng/ml
Zolpidem	4.875	18216115	256581.12	29.4	94334.52	885767	991.1882 ng/ml

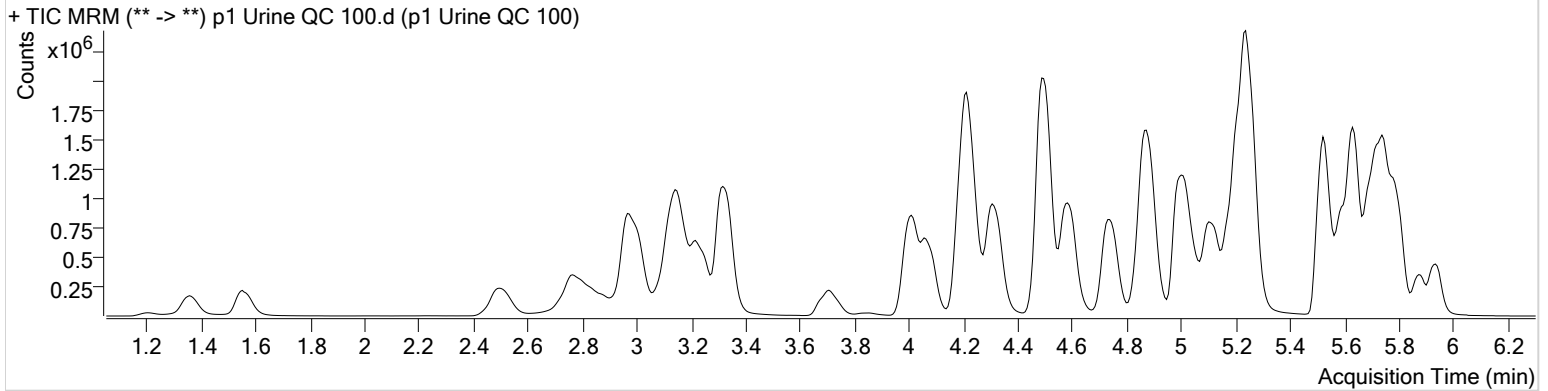
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Urine QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 Urine QC 100
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-E6	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/22/2020 1:21:26 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	28962	973.30	70.0	519.26	57939	10.8725 ng/ml
7-aminoclonazepam	4.230	332847	1607.53	82.0	1927.67	119201	105.3947 ng/ml
a-hydroxyalprazolam	5.674	218230	1431.39	64.1	390.55	49488	109.3844 ng/ml
alpha-PHP	4.888	410498	4003.09	263.8	4538.26	708518	123.9418 ng/ml
alpha-PVP	4.315	1695327	1356.32	50.7	2631.76	708518	101.7501 ng/ml
Alprazolam	5.751	740442	1490.45	104.0	791.58	196669	104.5129 ng/ml
Amphetamine	2.977	2463957	∞	48.4	11281.92	242154	110.9574 ng/ml
Benzoylecgonine	3.838	44301	743.38	7.6	117.98	15491	102.7662 ng/ml
Buprenorphine	5.829	52004	455.42	17.2	1216.79	211164	9.9578 ng/ml
Bupropion	4.739	1772855	3384.79	60.7	1214.81	539100	107.7375 ng/ml
Carisoprodol	5.700	589944	1762.45	54.5	985.06	263753	107.3479 ng/ml
Citalopram	5.183	1268771	1555.35	42.7	11500.15	547984	103.2571 ng/ml
Clonazepam	5.581	891903	1521.09	33.1	15764.86	101873	104.3005 ng/ml
Cocaine	4.223	1494237	23437.27	45.3	22547.00	1016093	104.5048 ng/ml
Codeine	2.509	154570	611.38	103.9	5216.17	68987	104.3989 ng/ml
Cyclobenzaprine	5.598	933877	2526.21	9.8	703.35	364762	104.1088 ng/ml
Dextromethorphan	5.219	830814	47391.83	79.1	349.87	371868	103.8690 ng/ml
Dextrophan	4.070	446225	10211.20	211.4	3364.42	549529	102.5565 ng/ml
Diazepam	5.936	566566	∞	87.2	718.33	253272	105.7591 ng/ml
Dihydrocodeine	2.488	407177	792.25	65.1	450.21	211243	106.5672 ng/ml
Diphenhydramine	5.253	2922021	1139.35	33.1	1216.73	1983174	102.3811 ng/ml
Doxylamine	4.494	3545314	58438.20	97.4	∞	1371329	105.0521 ng/ml
EDDP	5.218	1274574	1531.26	42.8	689.02	660592	102.3505 ng/ml
Flunitrazepam	5.060	127692	479.60	66.7	159203.89	556528	10.3986 ng/ml
Fluoxetine	5.690	973503	36361.07	8.5	7090.74	374990	107.0522 ng/ml
Hydrocodone	2.953	515681	342.10	39.7	298.32	309748	105.7709 ng/ml
Hydromorphone	1.561	449851	158.74	73.6	2386.21	137208	104.1648 ng/ml
Ketamine	4.003	1270877	12609.18	39.5	6682.47	527559	105.5585 ng/ml
Lamotrigine	4.226	104008	1930.64	78.4	3562.59	527559	121.6265 ng/ml
Lorazepam	5.722	664461	∞	55.5	∞	101873	97.1949 ng/ml
MDA	3.123	1692185	7227.15	20.6	2516.06	348529	111.4190 ng/ml
MDMA	3.231	1340316	36999.09	65.4	7818.69	117413	106.4080 ng/ml
Meprobamate	4.862	276479	1615.43	26.2	145.24	146111	105.3714 ng/ml

# AM #28 Multi-Drug Quant. Results



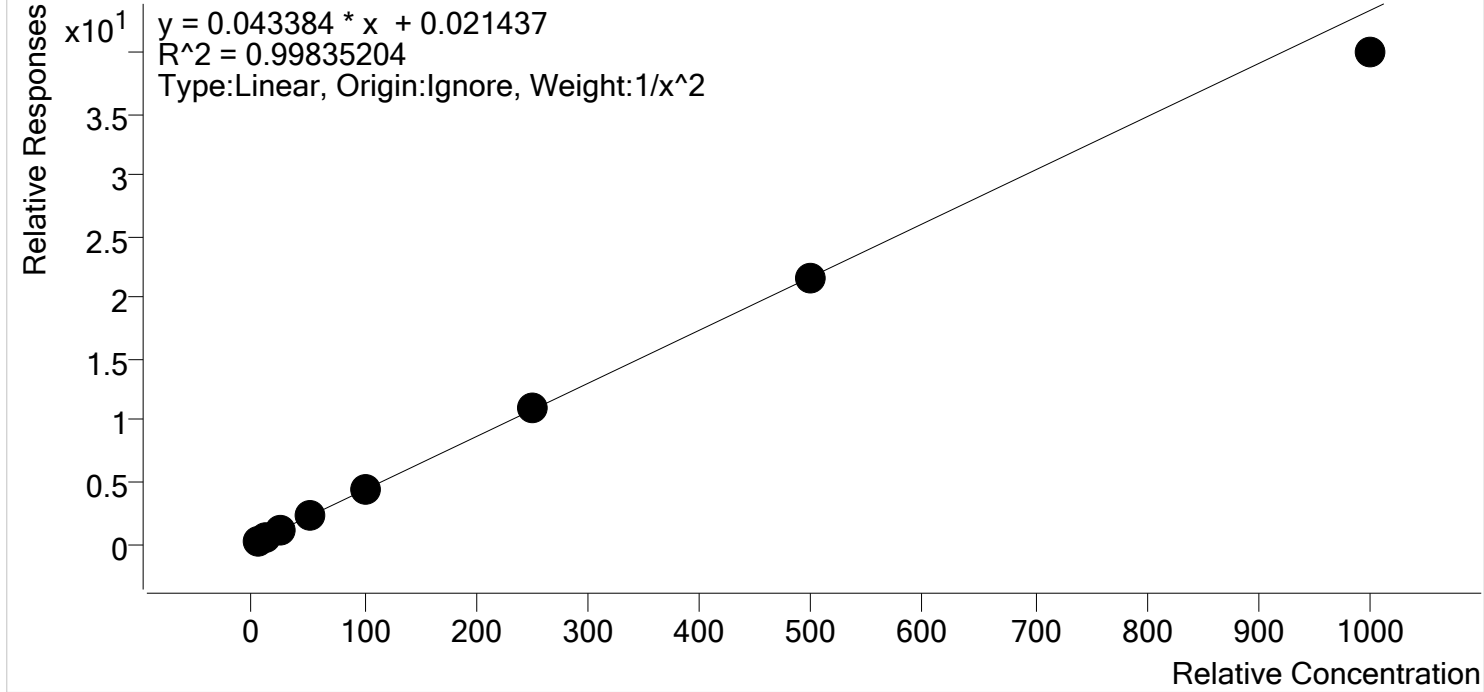
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	2083271	2798.68	52.5	2047.68	937640	106.0067 ng/ml
Methamphetamine	3.158	1646211	6944.35	41.9	4471.10	721167	112.5408 ng/ml
Metoprolol	4.278	264508	6453.35	96.7	7274.17	1399623	114.3557 ng/ml
Mirtazapine	4.582	2376767	9356.35	48.4	10219.56	708518	183.7517 ng/ml
Mitragynine	5.188	415064	25263.37	38.7	8733.15	937640	135.7499 ng/ml
Morphine	1.206	72781	519.54	22.8	286.04	7694	103.9172 ng/ml
Norbuprenorphine	4.950	7600	896.68	85.7	148.12	30580	10.7142 ng/ml
Nordiazepam	5.882	532596	6593.66	58.3	10616.44	159979	109.2700 ng/ml
Norfentanyl	4.037	247876	14686.15	36.8	4281.68	1064815	10.2625 ng/ml
Norhydrocodone	3.021	50988	101.99	41.8	60.05	47997	103.6785 ng/ml
Noroxycodone	2.838	492673	1065.78	49.4	408.68	156742	108.9867 ng/ml
O-desmethyl-tramadol	3.317	2831415	2330.41	6.0	3439.92	1407418	103.5164 ng/ml
Oxazepam	5.732	789986	∞	70.3	1845.12	450498	104.6592 ng/ml
Oxycodone	2.762	1138461	2422.80	31.0	3186.63	441961	110.0993 ng/ml
Oxymorphone	1.356	432545	∞	48.0	∞	149210	106.1629 ng/ml
Phentermine	3.723	457189	∞	3.3	479.37	565592	112.0980 ng/ml
Promethazine	5.515	1825979	26027.52	31.4	1013.89	771814	101.5543 ng/ml
Quetiapine	5.532	1235827	62070.83	60.0	38202.82	152691	105.8046 ng/ml
Sertraline	5.758	289061	1282.30	91.7	21719.79	113663	98.4583 ng/ml
Temazepam	5.799	1390307	11730.31	30.6	562.06	663114	101.0809 ng/ml
Tramadol	4.197	2864341	10678.63	3.4	914.53	1399623	103.4535 ng/ml
Trazodone	5.114	1755367	31868.74	77.7	2967.33	682387	103.6479 ng/ml
Venlafaxine	4.994	2515477	1814.77	36.1	14863.17	1181752	108.2376 ng/ml
Zolpidem	4.872	2840003	74103.07	31.0	54124.02	1300923	105.1572 ng/ml



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



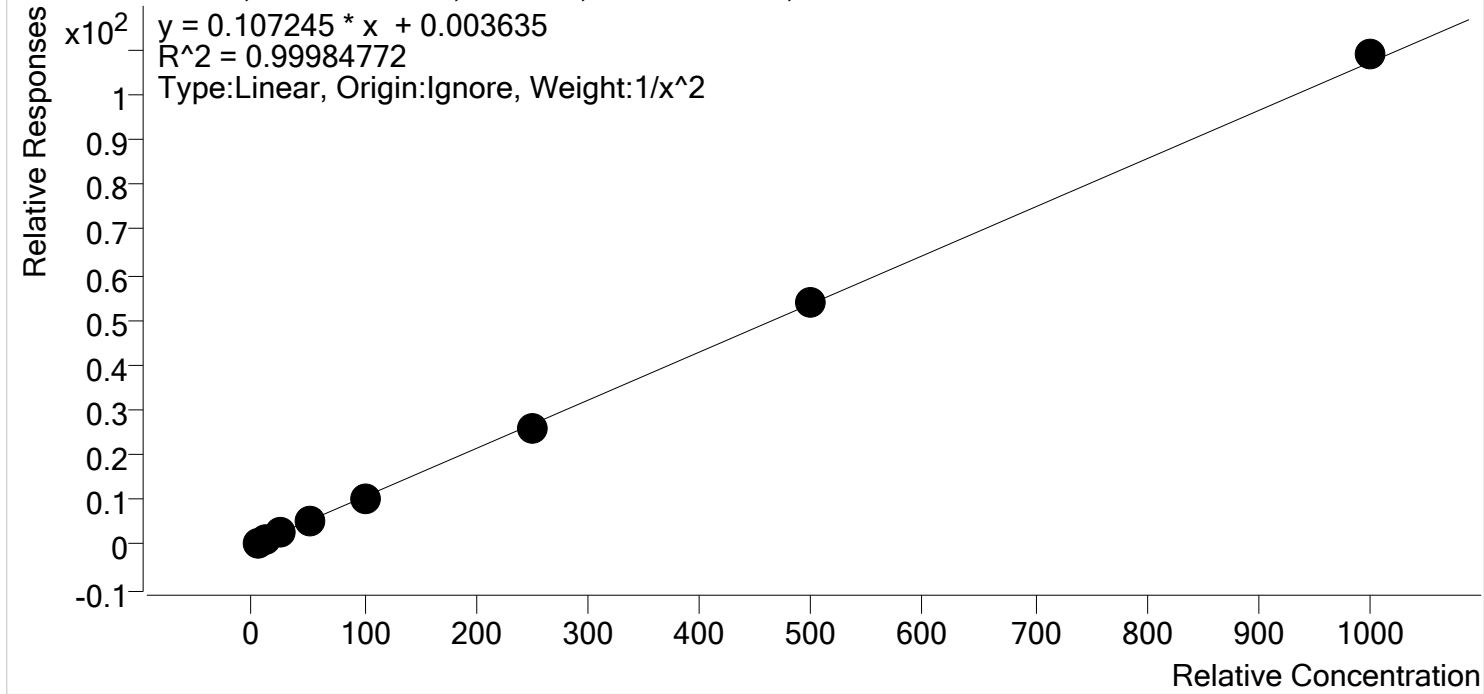
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	496.4	99.3
p1 Cal 8-1000ng	8	✓	1000.0	920.7	92.1



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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

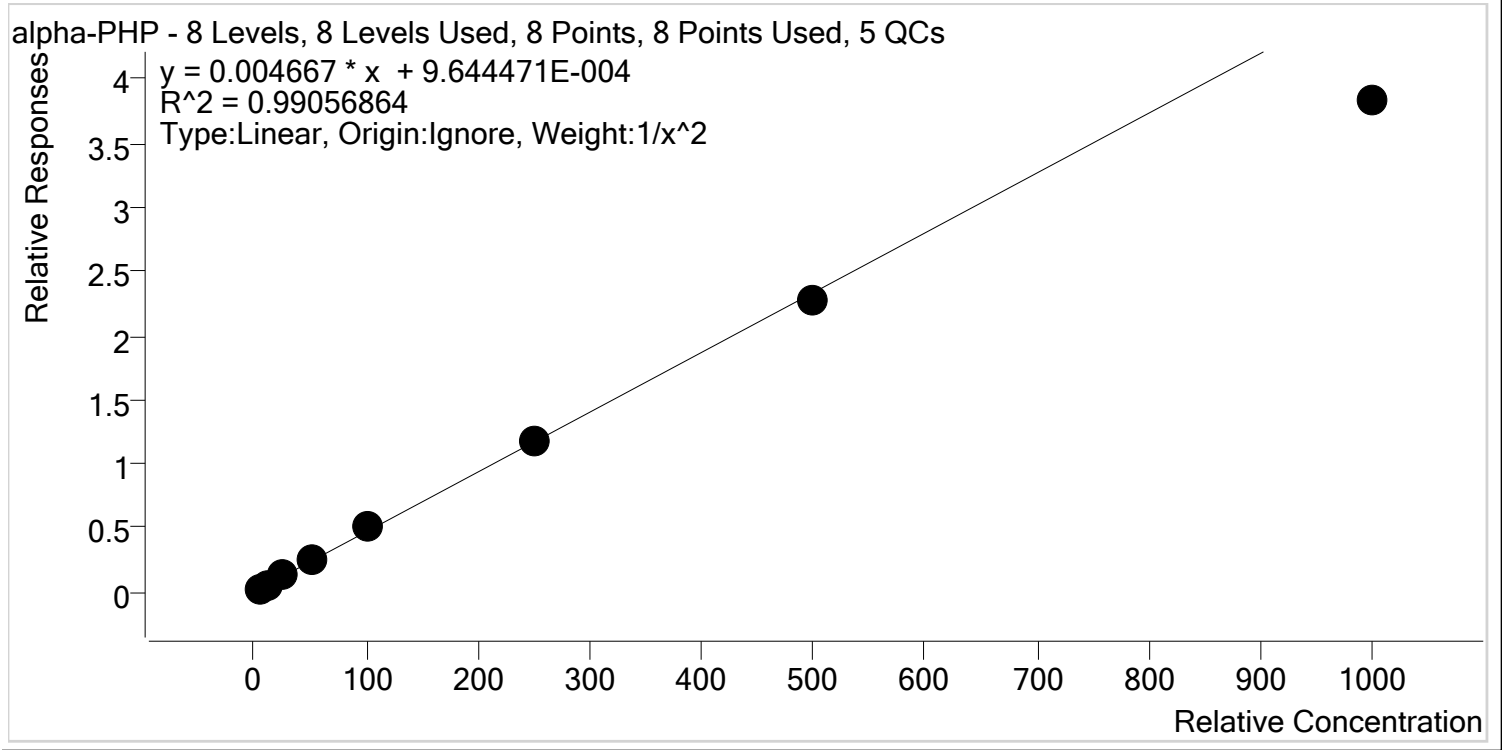


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	500.8	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1016.0	101.6



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8



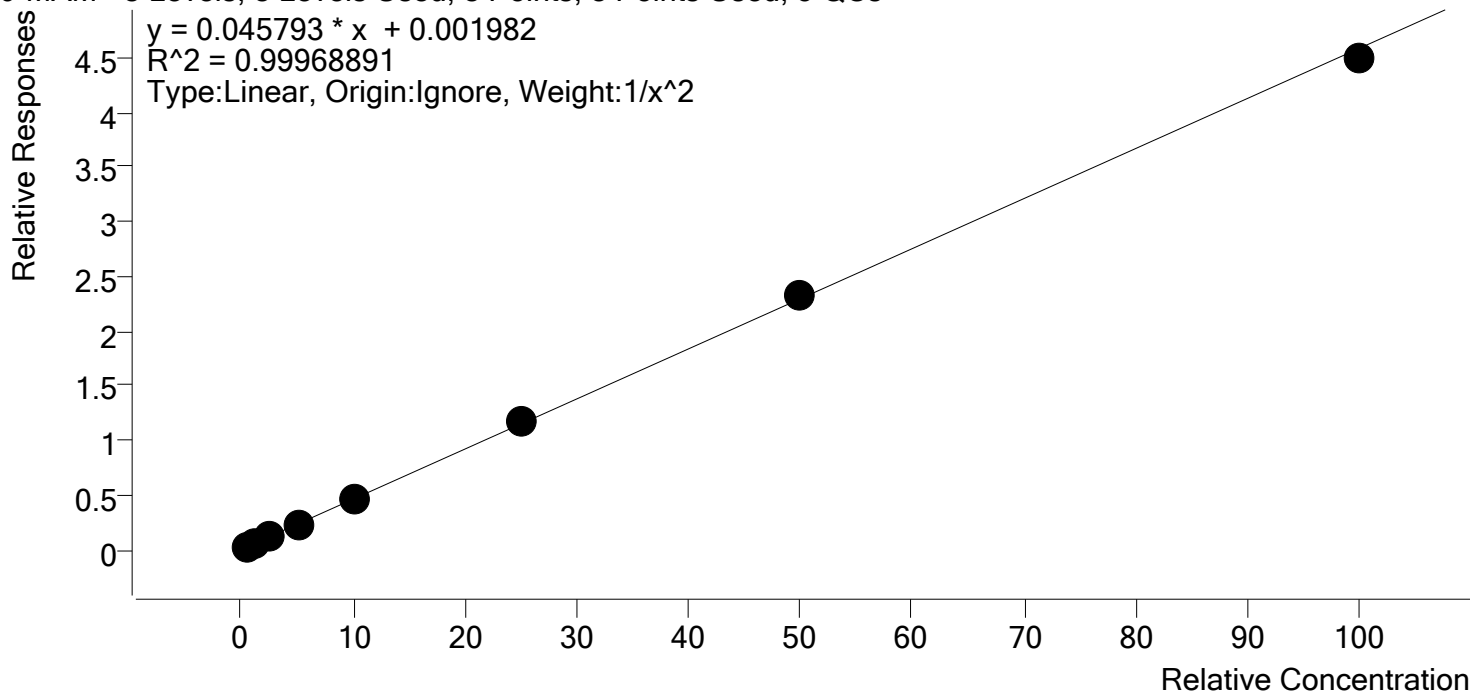
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	107.6	107.6
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	488.5	97.7
p1 Cal 8-1000ng	8	✓	1000.0	821.2	82.1



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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

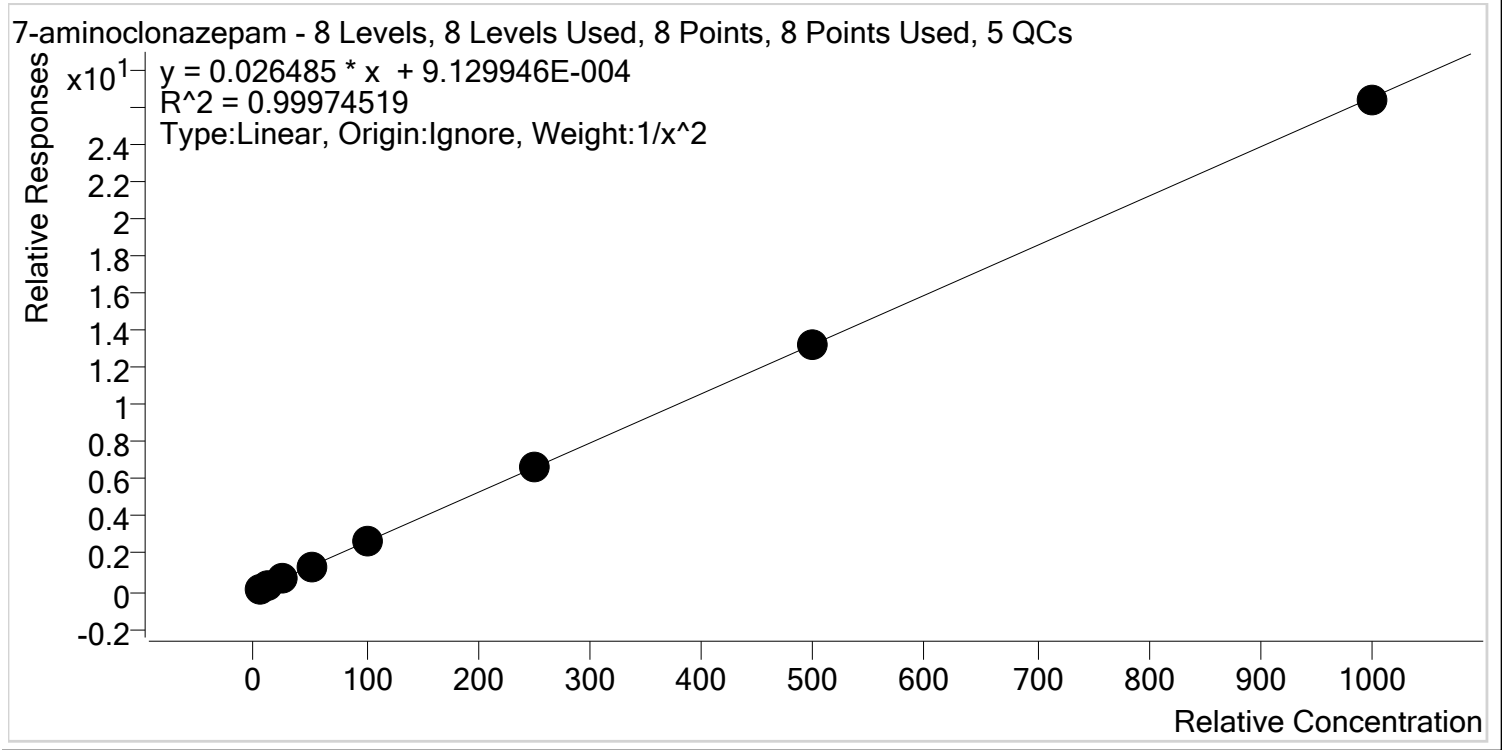


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.3
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.0
p1 Cal 4-50ng	4	✓	5.0	4.9	98.4
p1 Cal 5-100ng	5	✓	10.0	10.0	100.5
p1 Cal 6-250ng	6	✓	25.0	25.3	101.3
p1 Cal 7-500ng	7	✓	50.0	50.8	101.6
p1 Cal 8-1000ng	8	✓	100.0	98.0	98.0



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



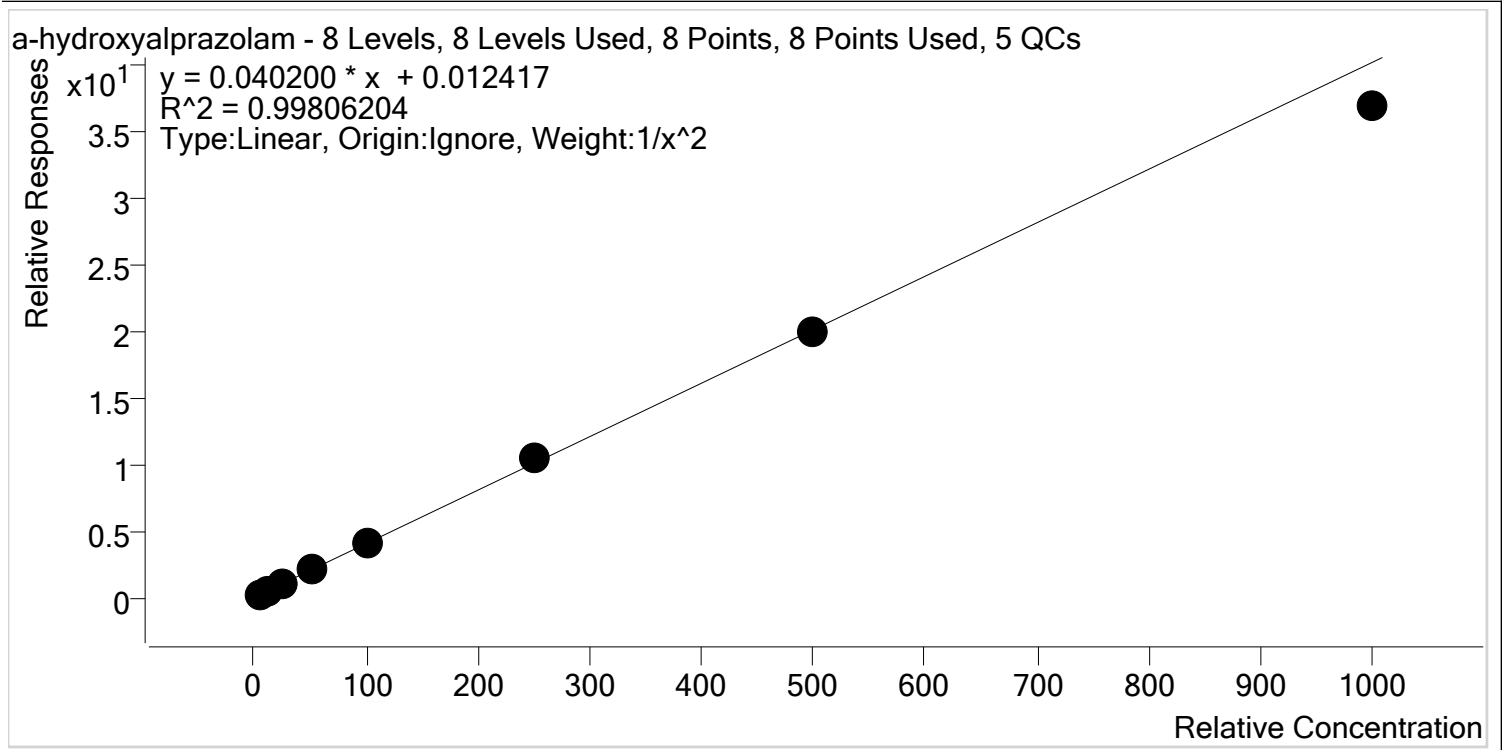
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	496.3	99.3
p1 Cal 8-1000ng	8	✓	1000.0	993.8	99.4





# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

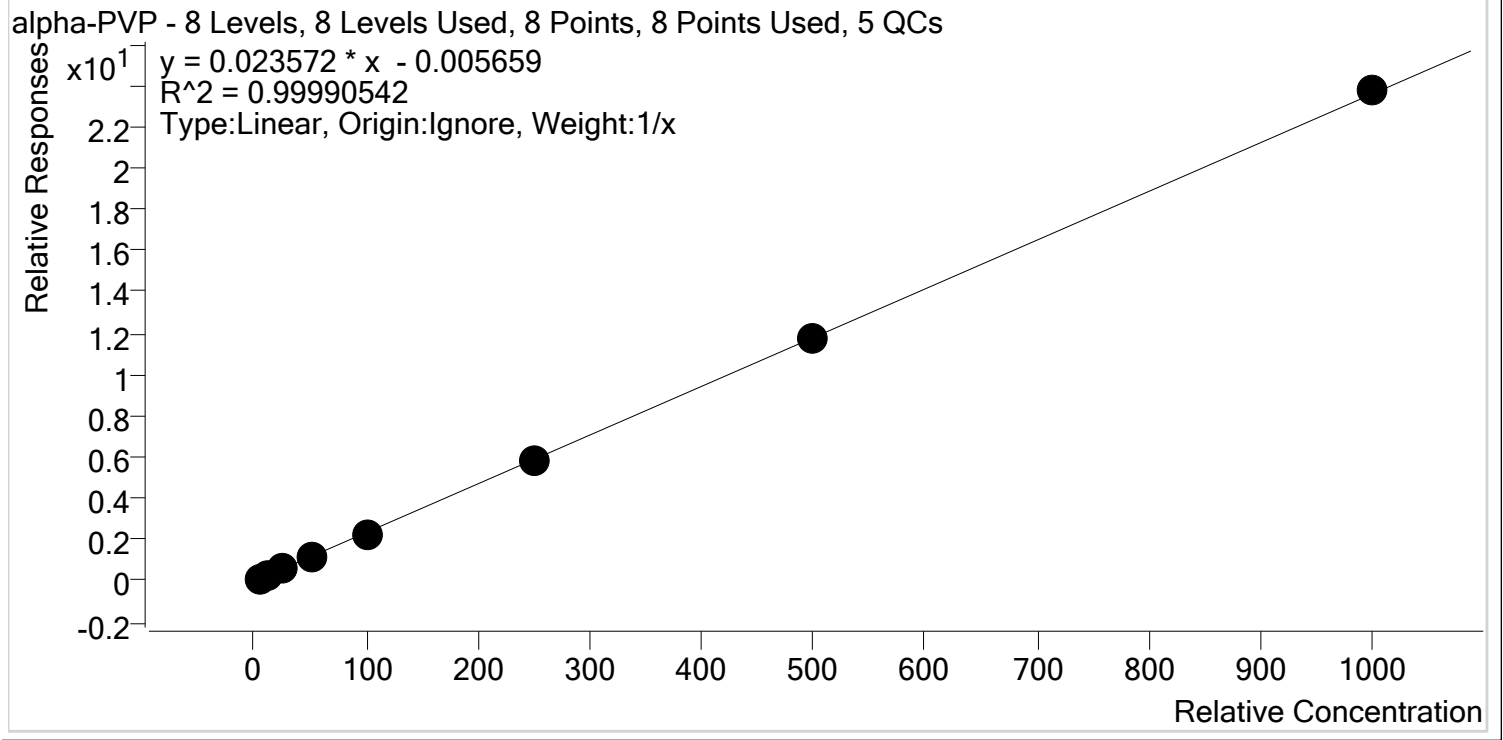


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	260.2	104.1
p1 Cal 7-500ng	7	✓	500.0	492.7	98.5
p1 Cal 8-1000ng	8	✓	1000.0	918.0	91.8



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

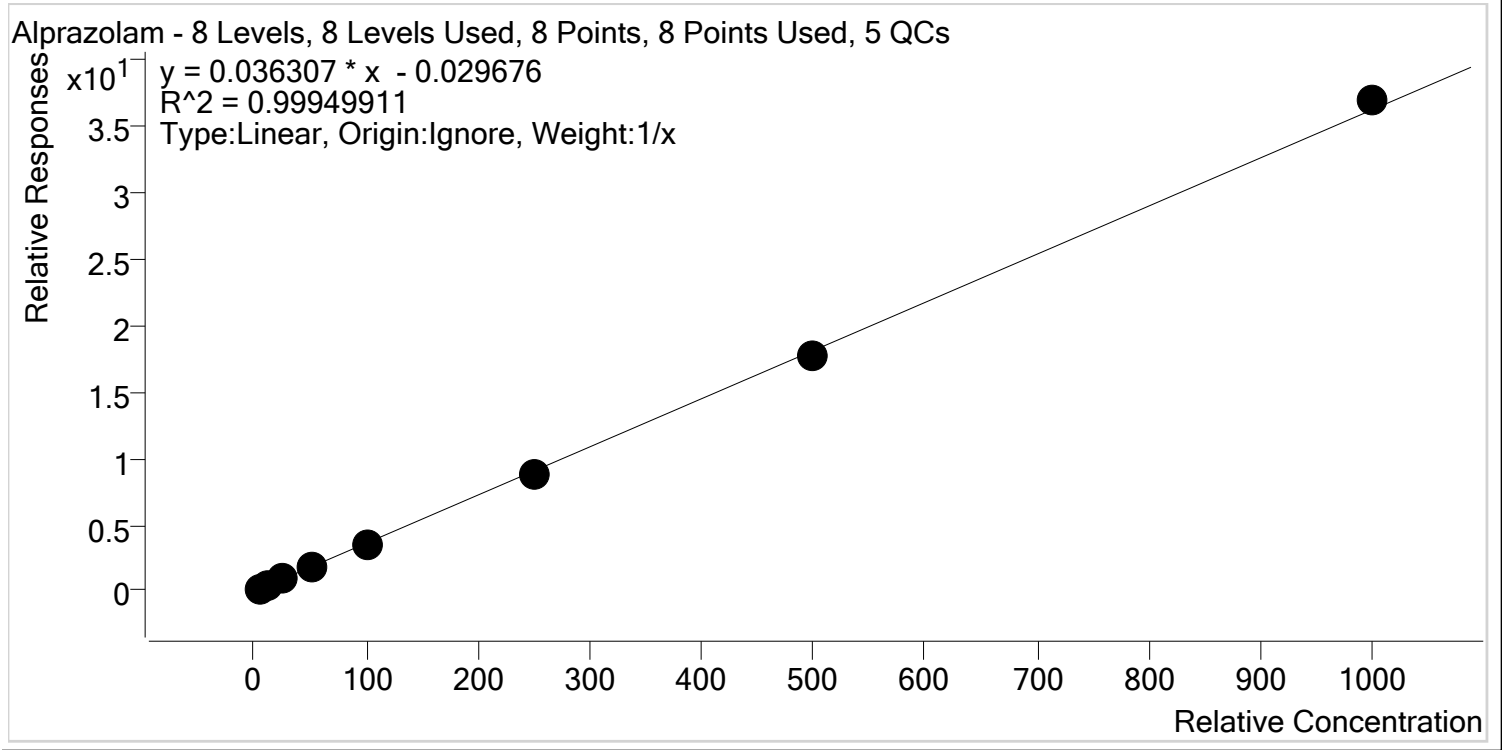


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1007.1	100.7



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



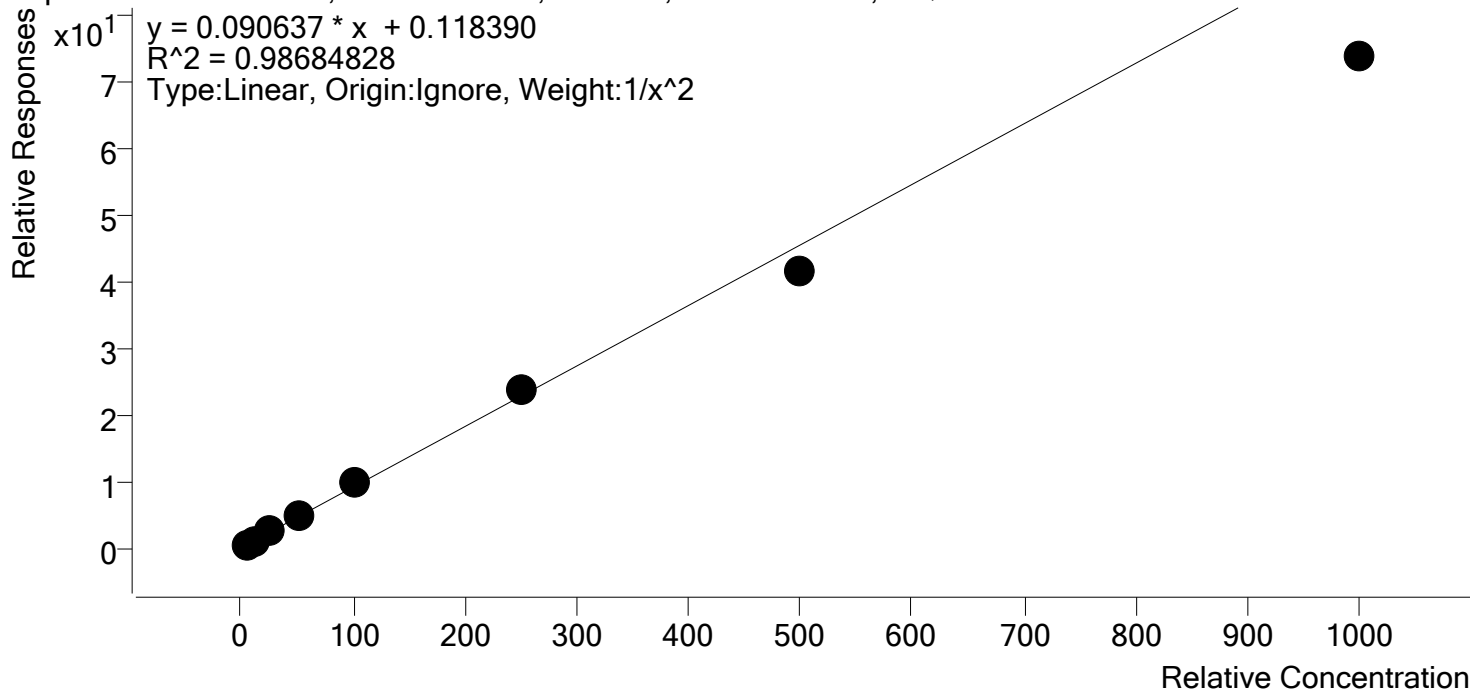
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	243.9	97.6
p1 Cal 7-500ng	7	✓	500.0	492.1	98.4
p1 Cal 8-1000ng	8	✓	1000.0	1019.1	101.9



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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

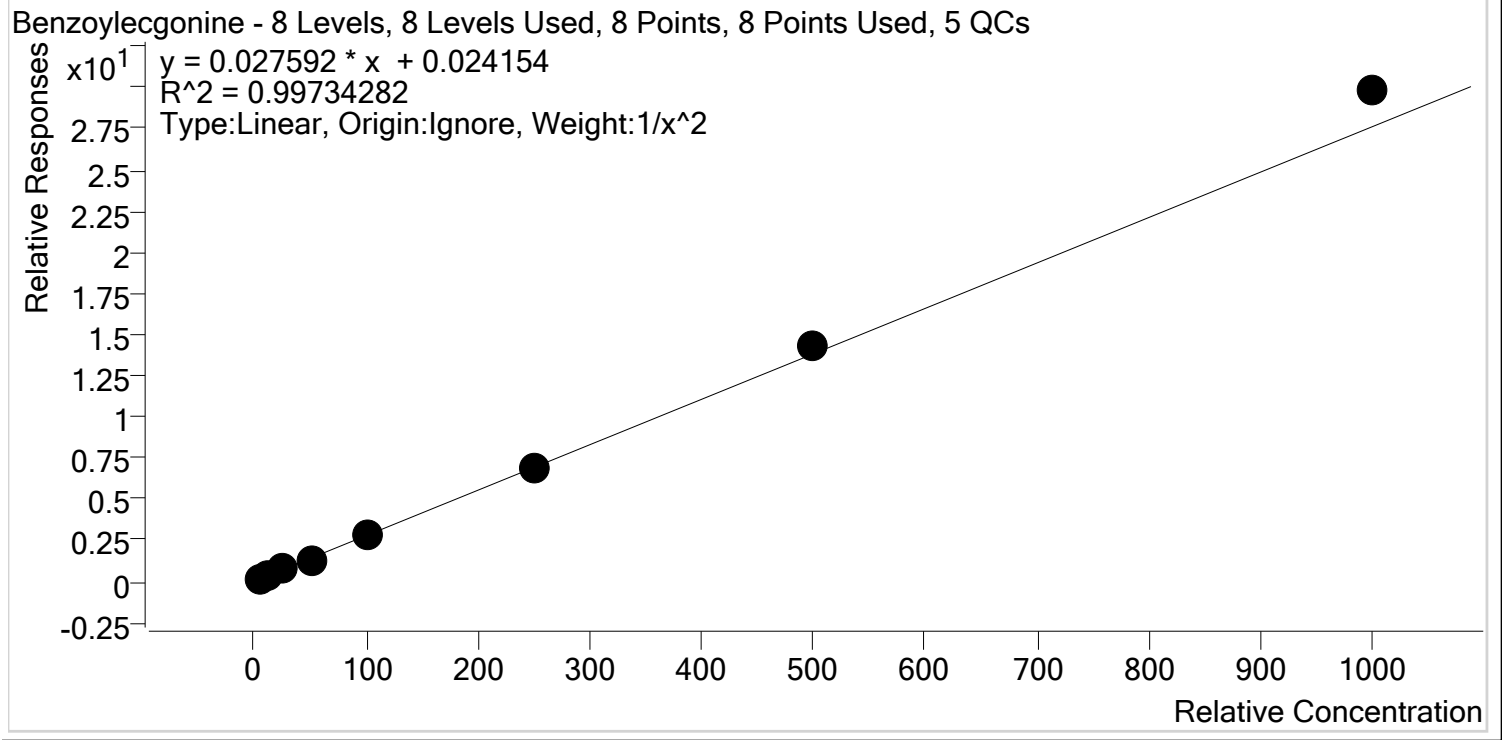


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.5
p1 Cal 3 -25ng	3	✓	25.0	27.5	109.9
p1 Cal 4-50ng	4	✓	50.0	55.1	110.1
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	258.5	103.4
p1 Cal 7-500ng	7	✓	500.0	458.0	91.6
p1 Cal 8-1000ng	8	✓	1000.0	811.2	81.1



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

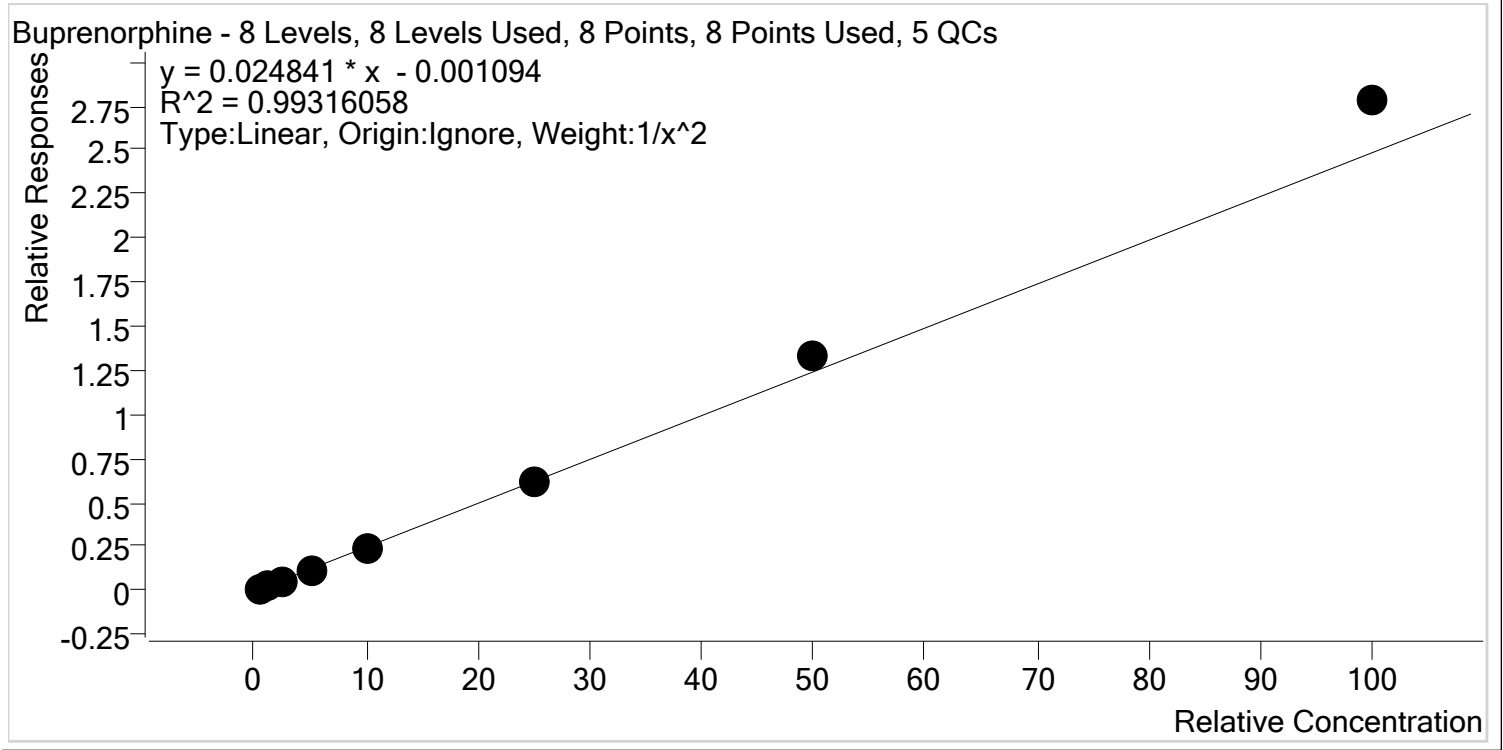


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	47.2	94.5
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	515.9	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1079.6	108.0



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



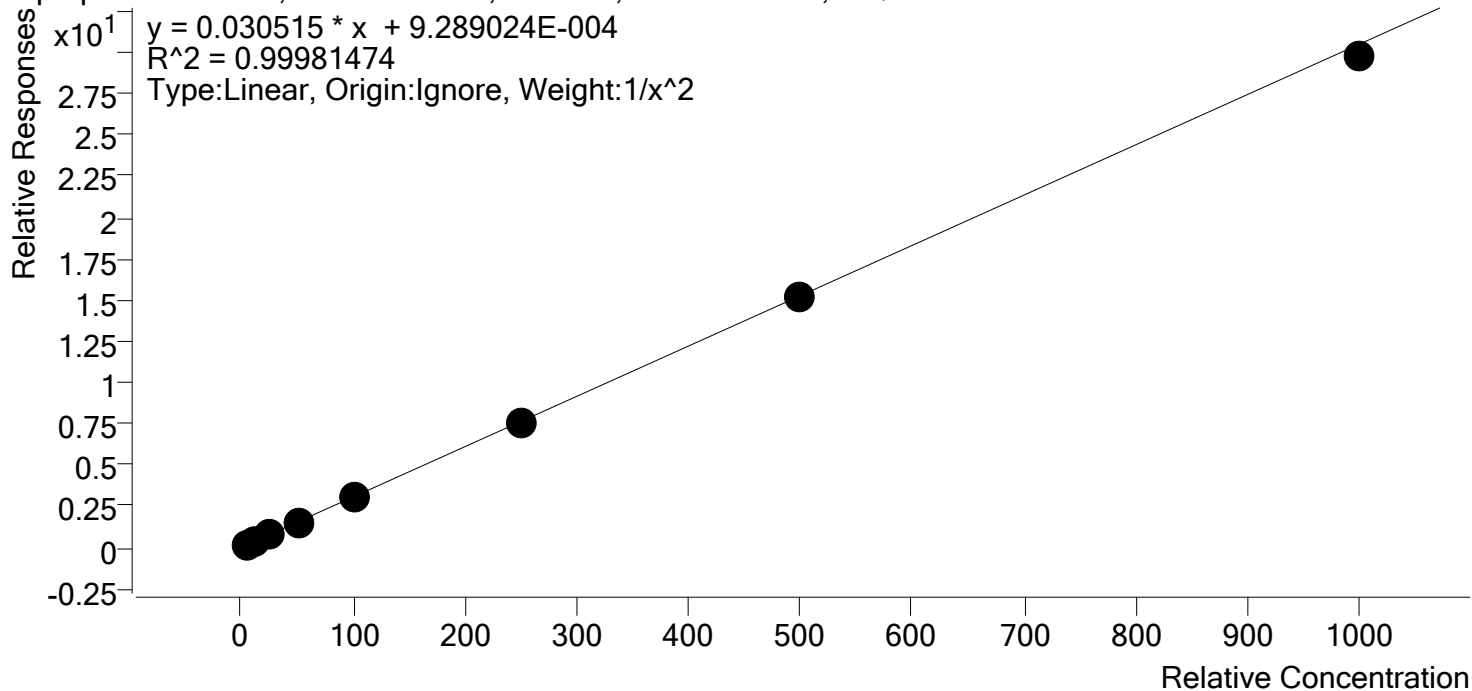
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.2
p1 Cal 2- 10ng	2	✓	1.0	1.0	97.0
p1 Cal 3 -25ng	3	✓	2.5	2.2	89.4
p1 Cal 4-50ng	4	✓	5.0	4.7	94.3
p1 Cal 5-100ng	5	✓	10.0	9.7	97.2
p1 Cal 6-250ng	6	✓	25.0	24.9	99.5
p1 Cal 7-500ng	7	✓	50.0	53.3	106.5
p1 Cal 8-1000ng	8	✓	100.0	111.9	111.9



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

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

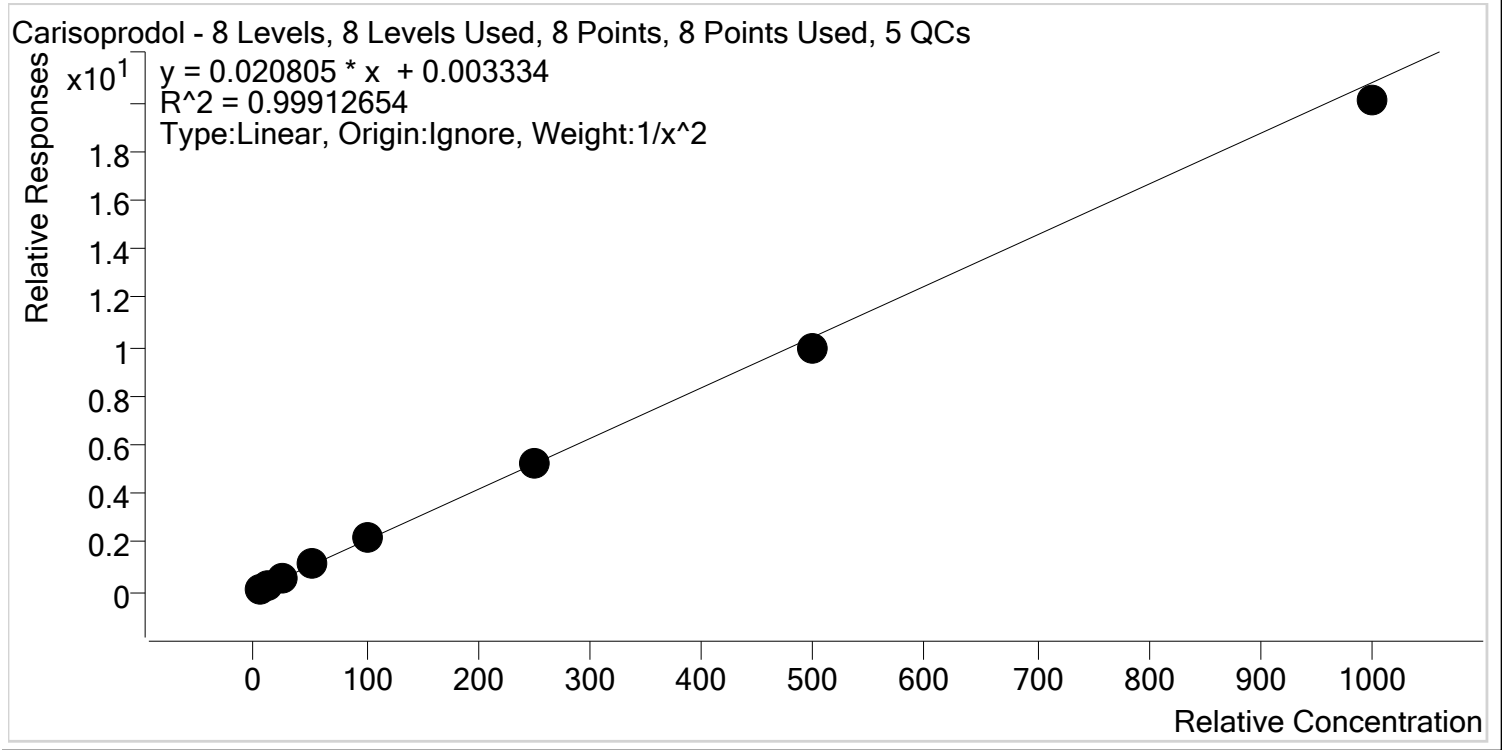


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	499.5	99.9
p1 Cal 8-1000ng	8	✓	1000.0	975.5	97.5



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



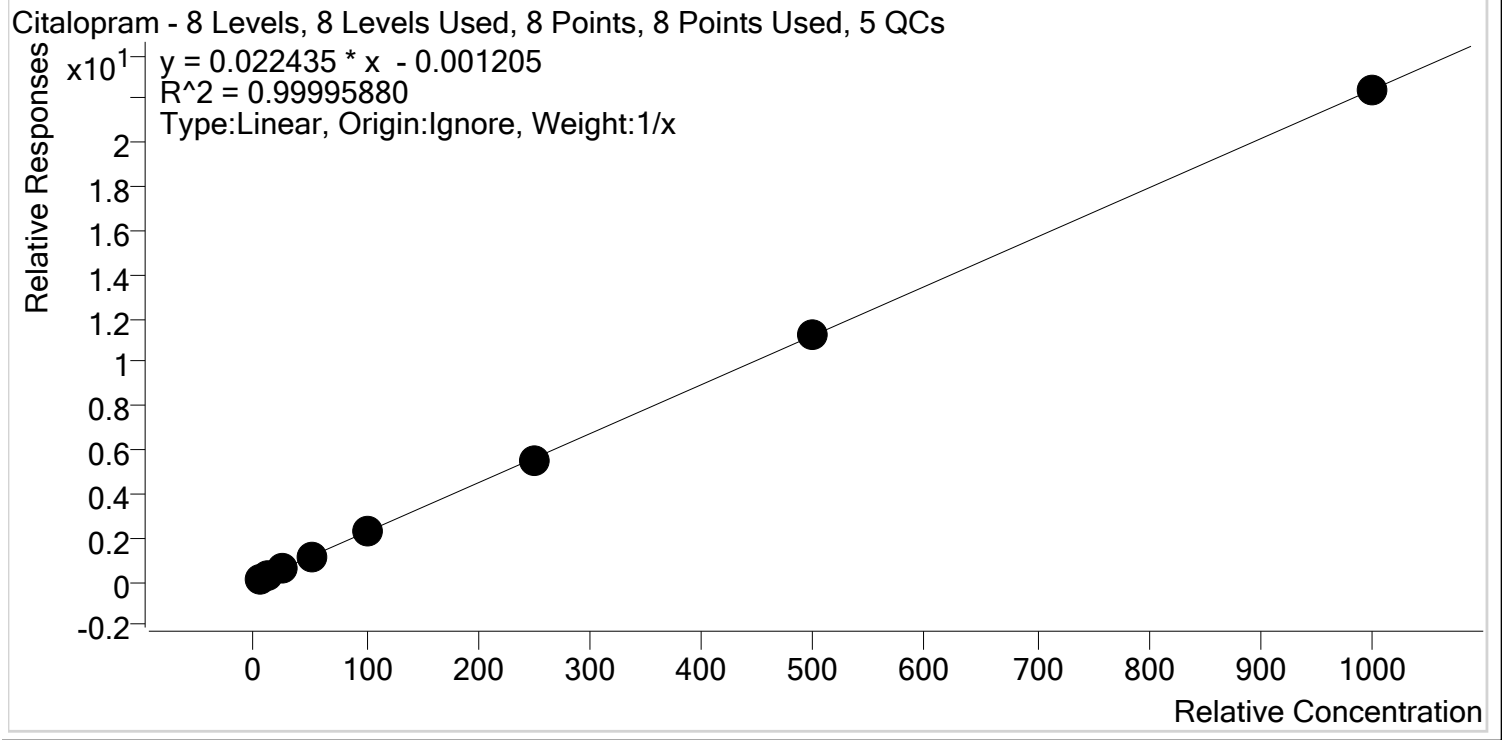
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	480.9	96.2
p1 Cal 8-1000ng	8	✓	1000.0	964.5	96.4





# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

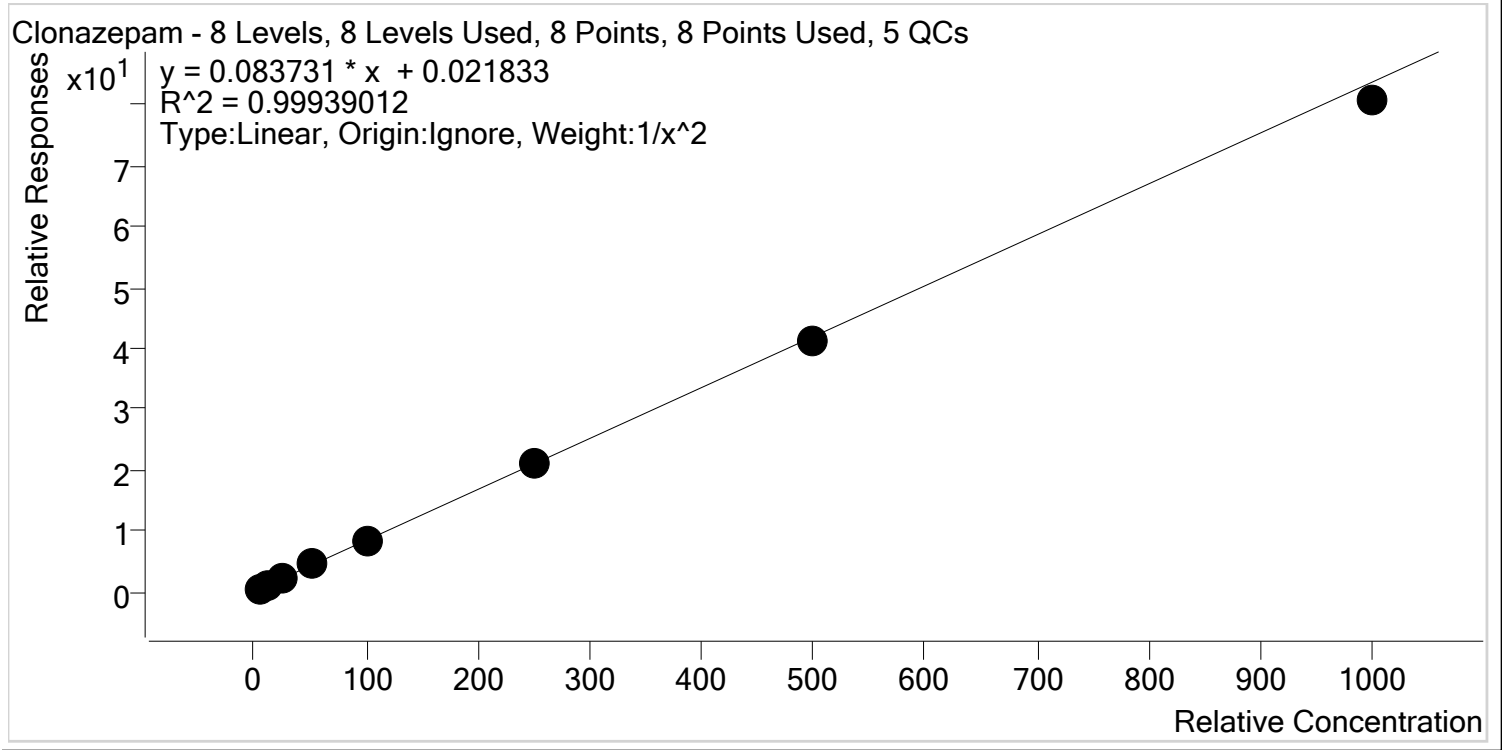


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	504.3	100.9
p1 Cal 8-1000ng	8	✓	1000.0	998.2	99.8



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

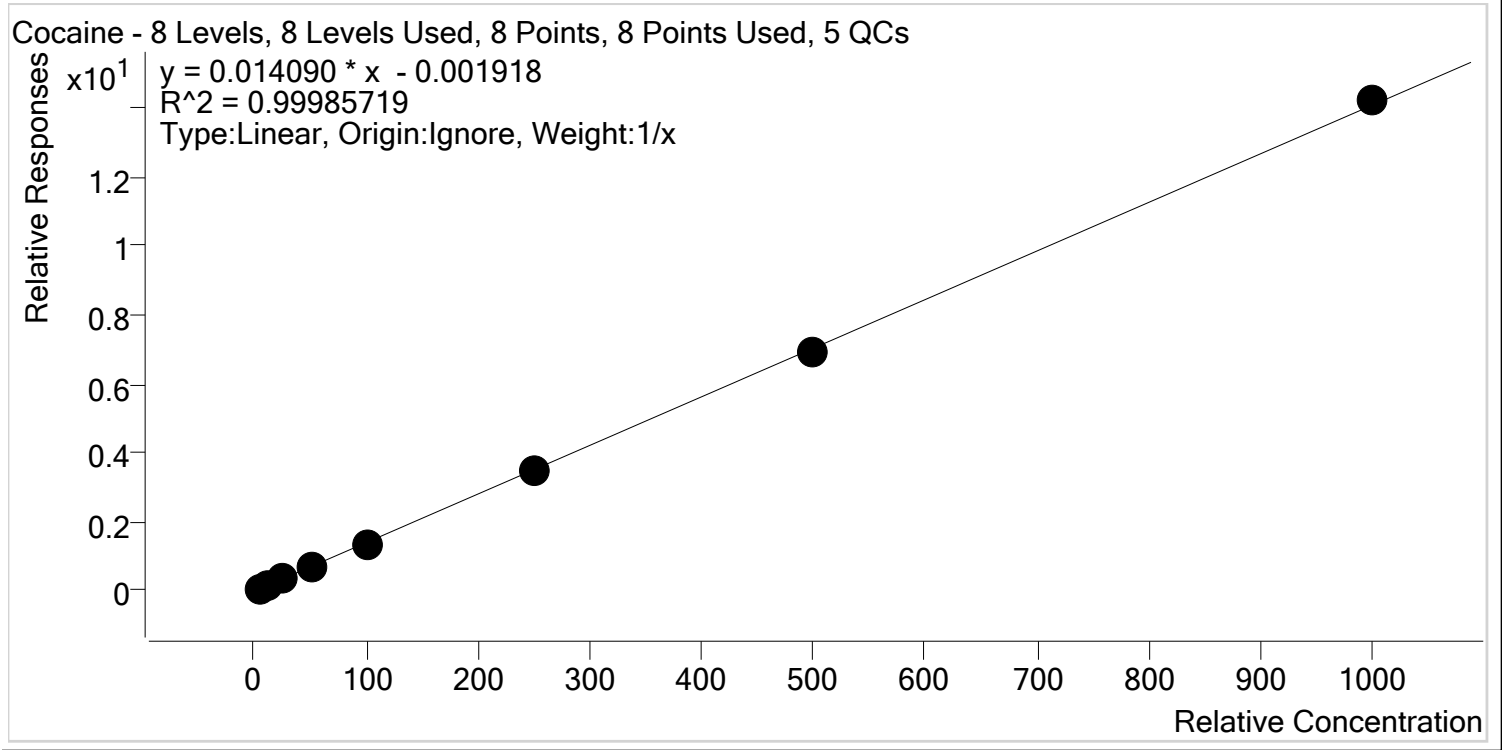


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	494.9	99.0
p1 Cal 8-1000ng	8	✓	1000.0	963.7	96.4



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

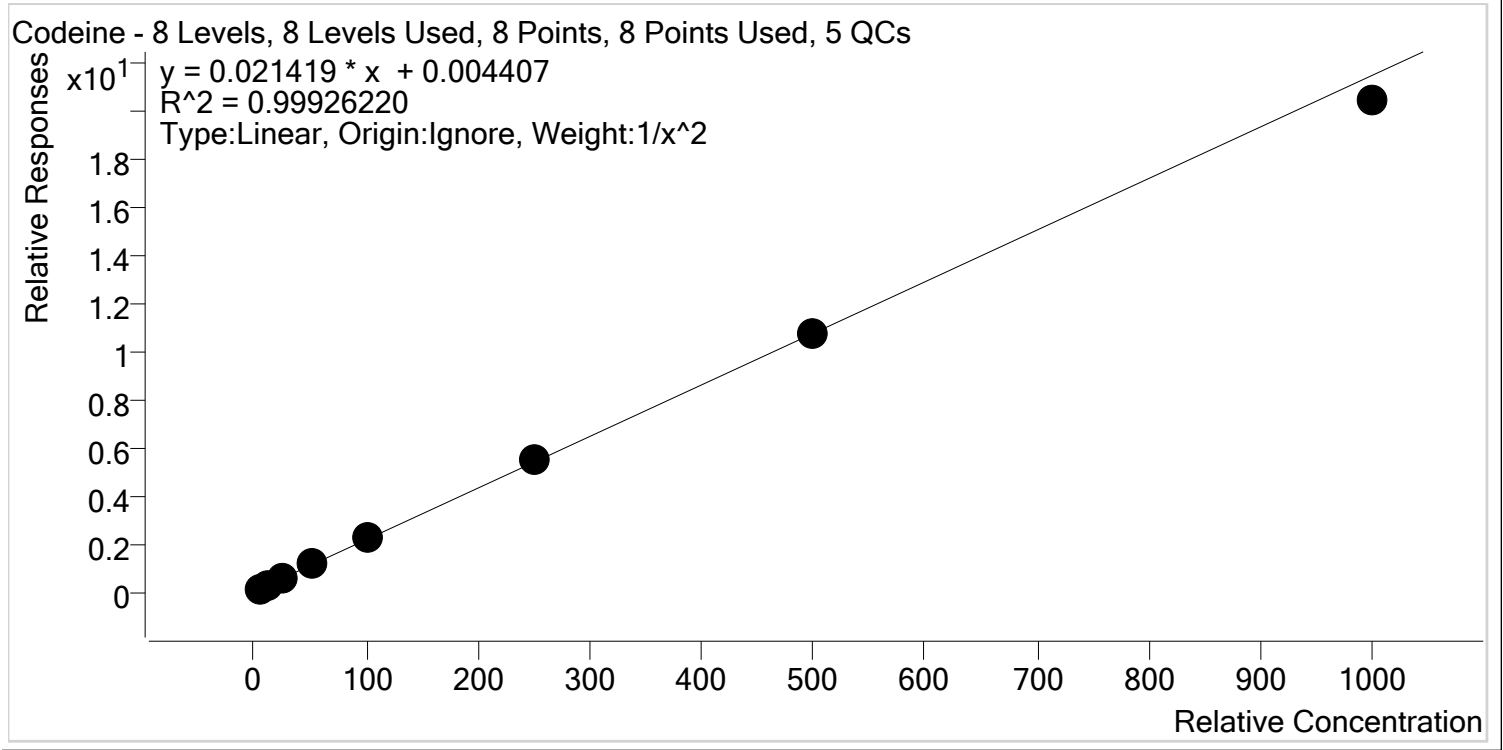


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	493.6	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1009.6	101.0



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

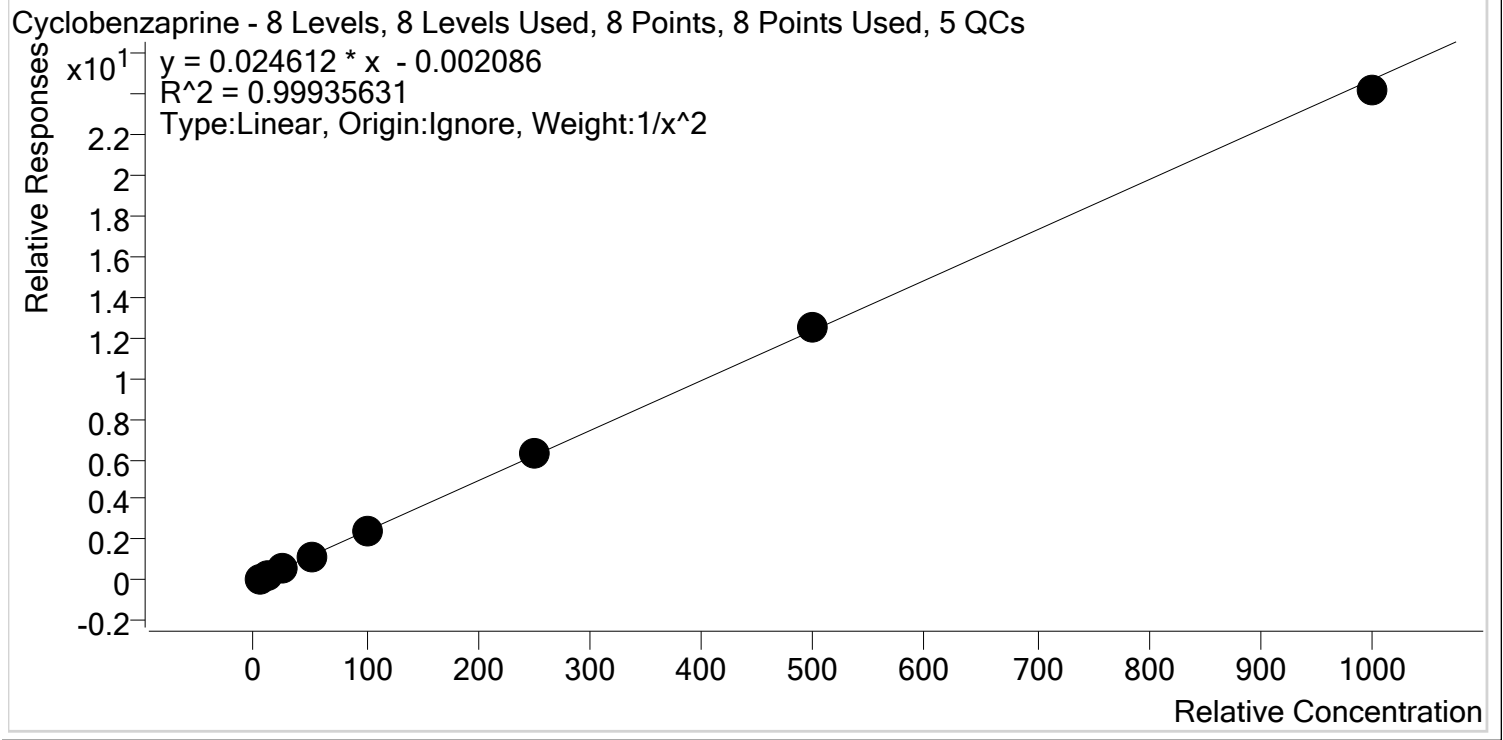


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	951.1	95.1



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



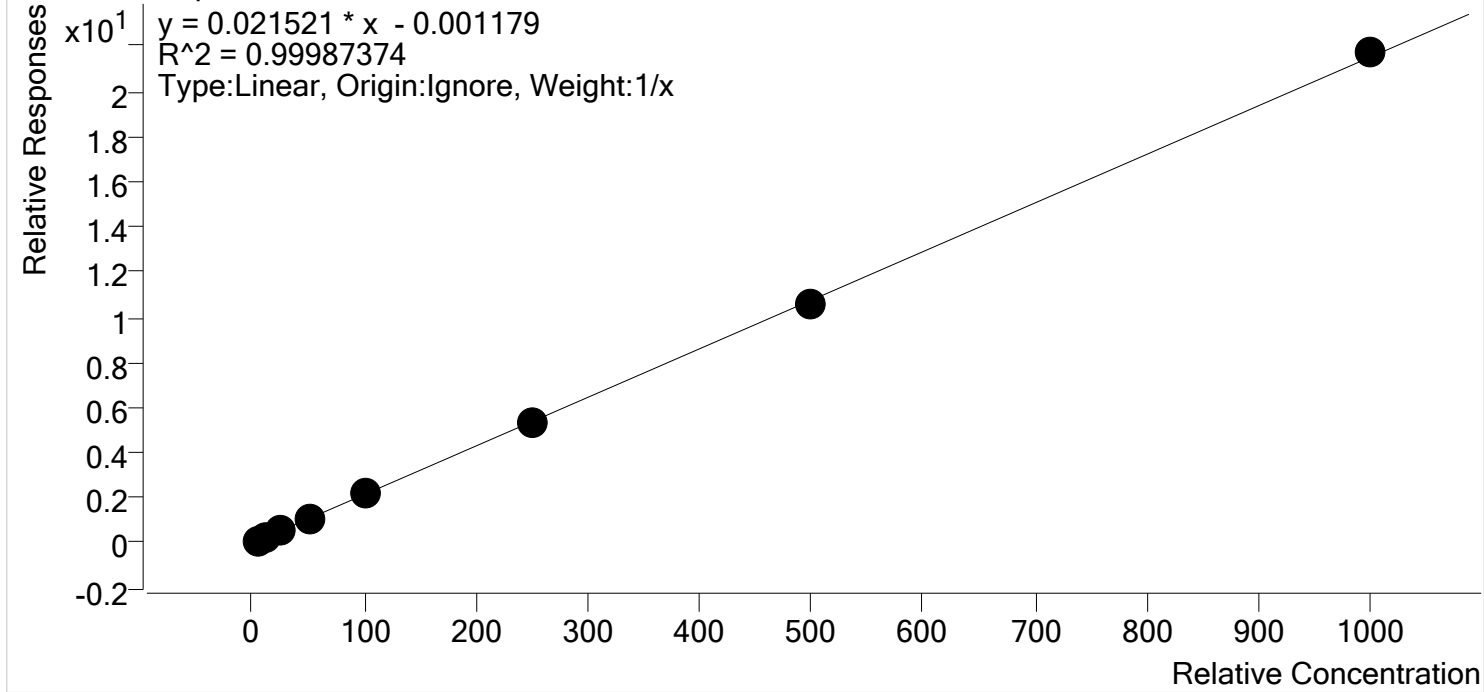
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	507.4	101.5
p1 Cal 8-1000ng	8	✓	1000.0	977.9	97.8



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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

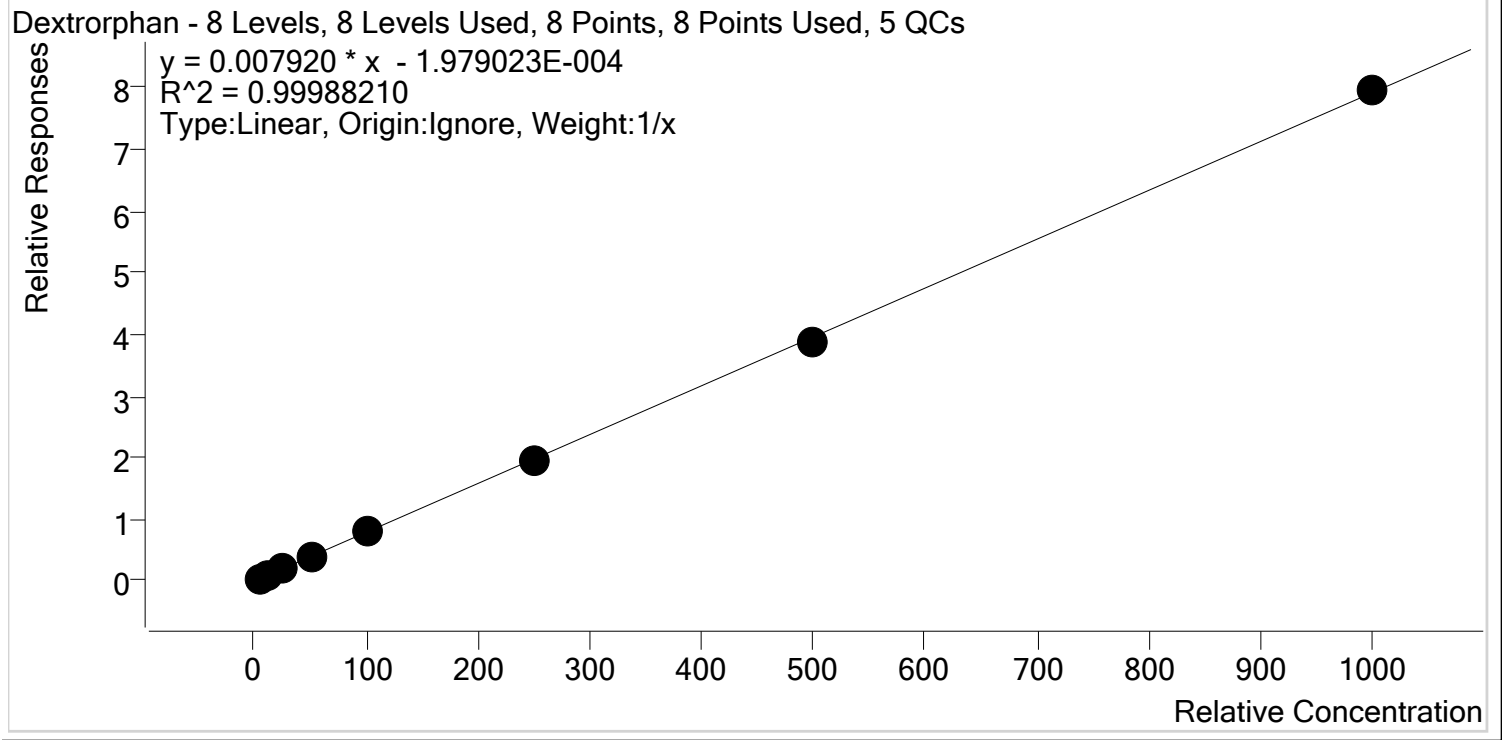


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.0	99.9
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	495.0	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1009.5	101.0



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrophan Internal Standard Dextrophan-D3



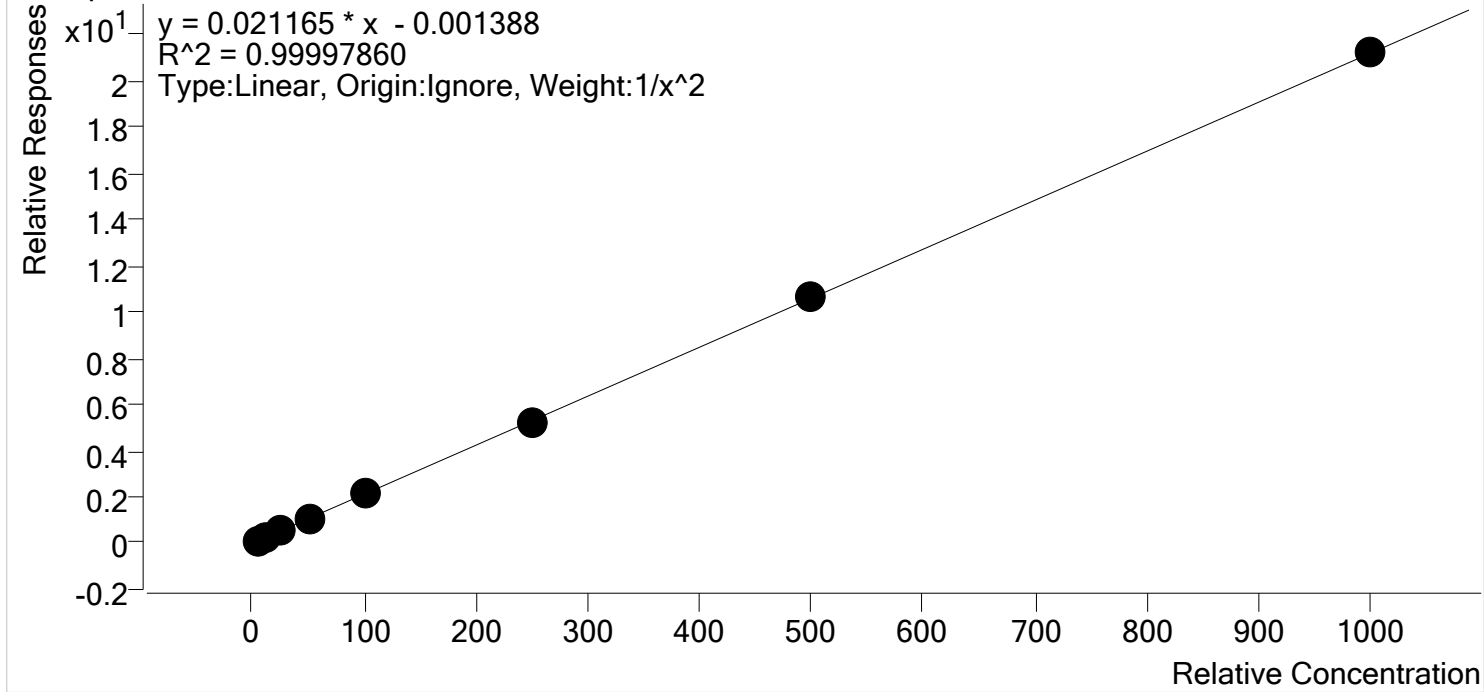
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	493.1	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1004.4	100.4



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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



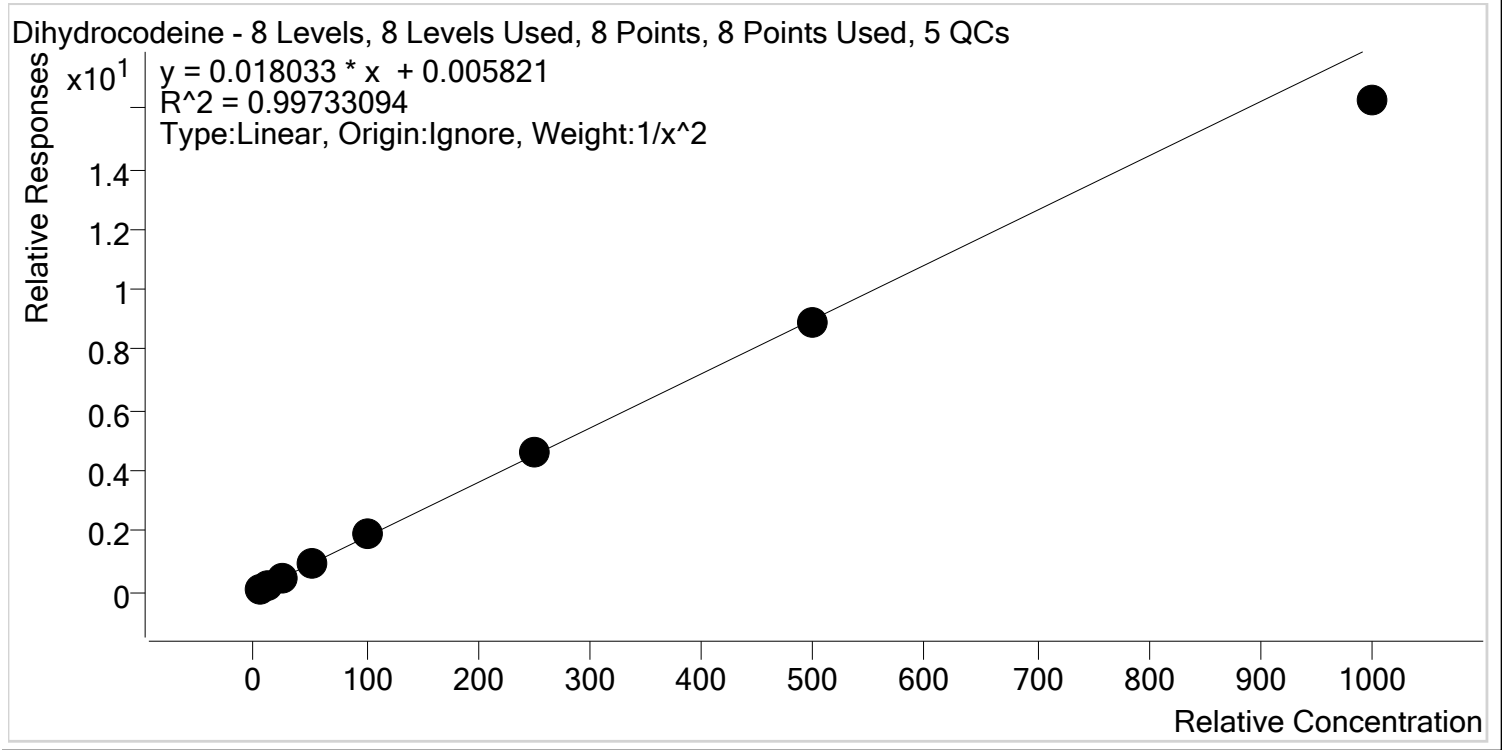
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	503.6	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1001.5	100.1





# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

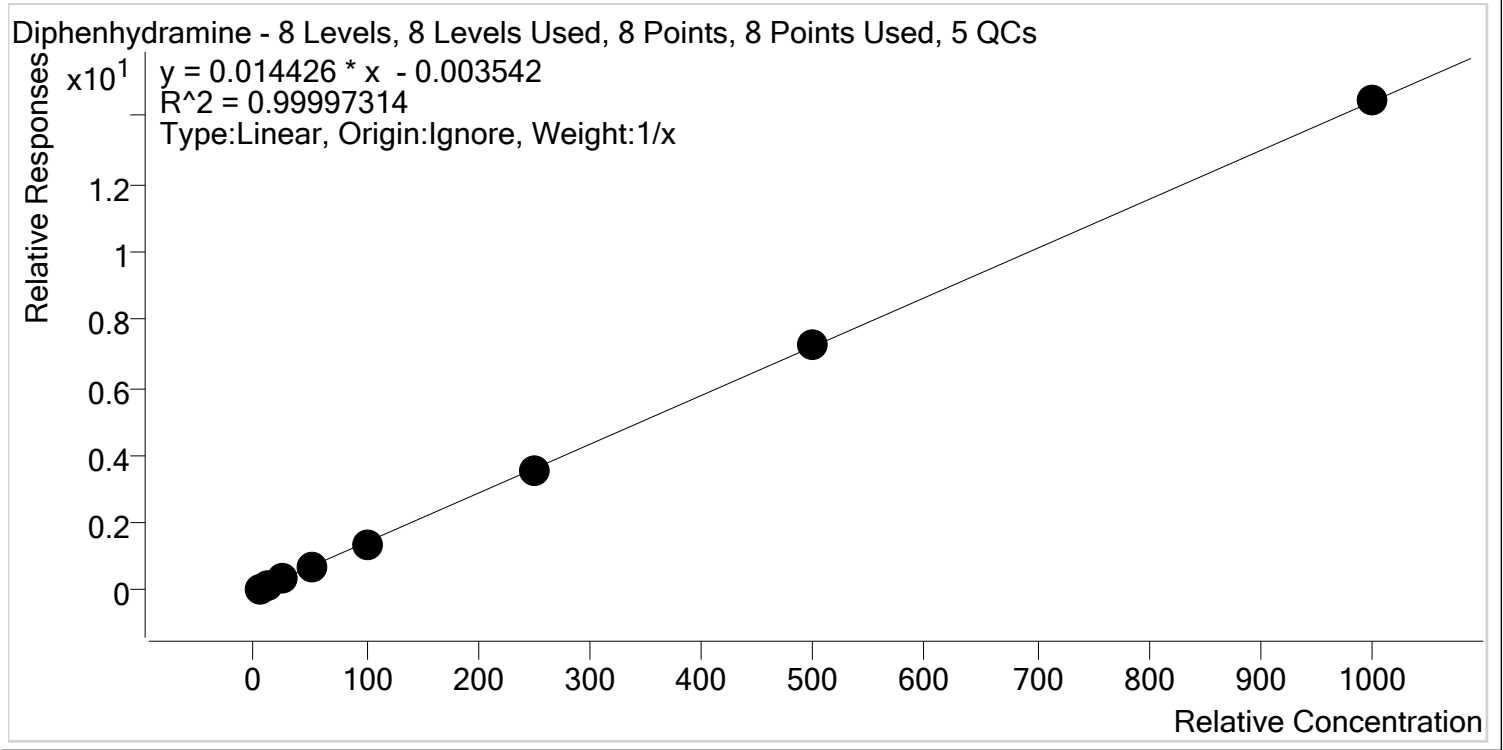


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	494.5	98.9
p1 Cal 8-1000ng	8	✓	1000.0	902.0	90.2



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

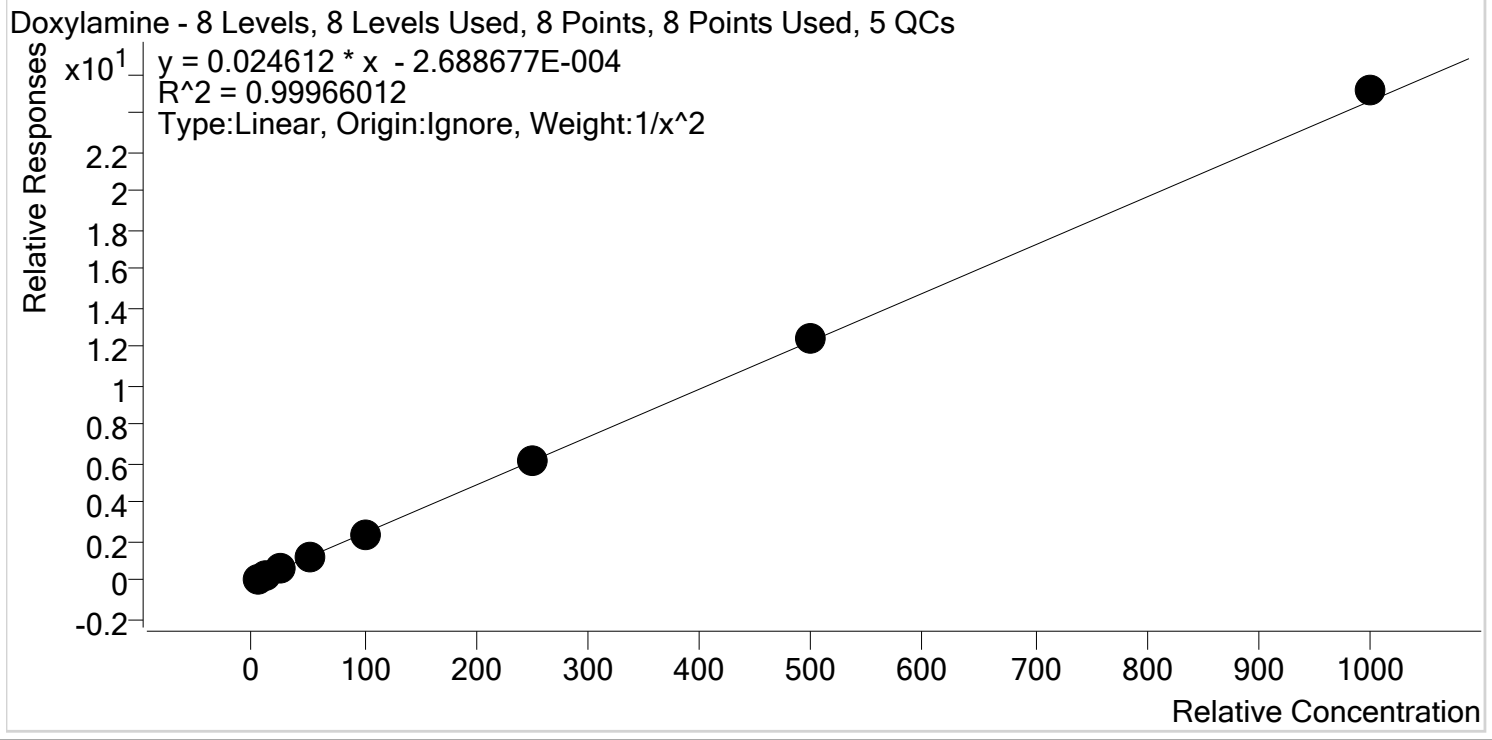


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	500.4	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1002.2	100.2



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

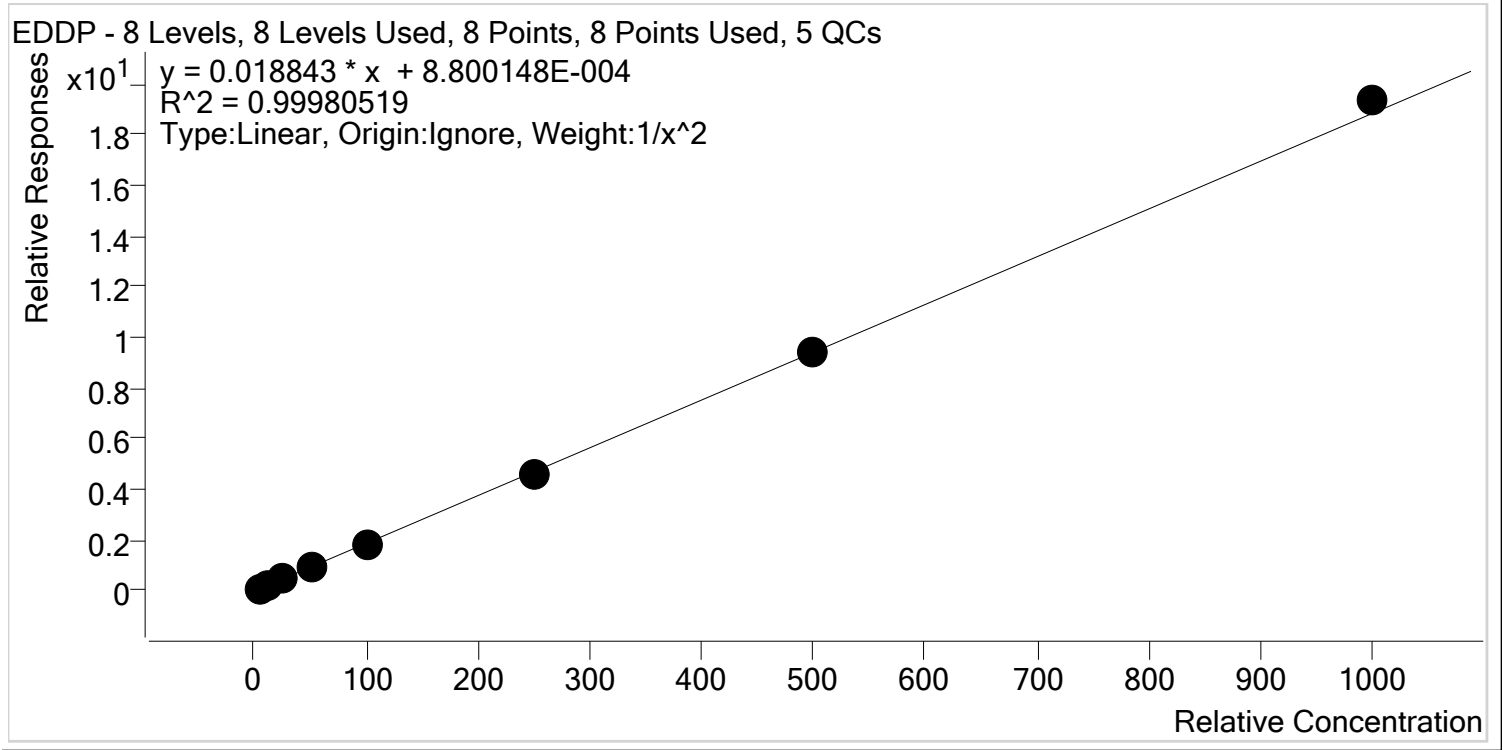


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	509.3	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1021.8	102.2



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

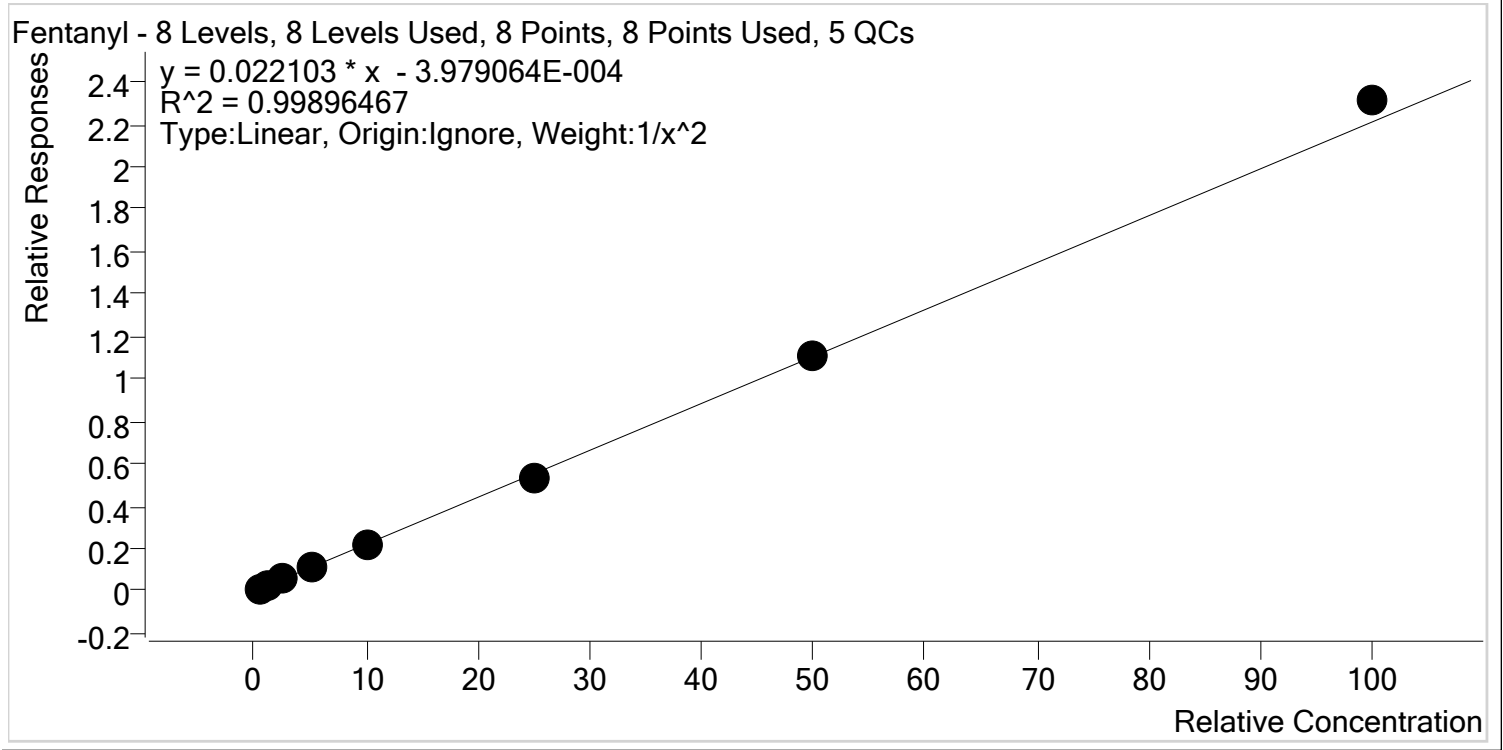


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1027.0	102.7



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

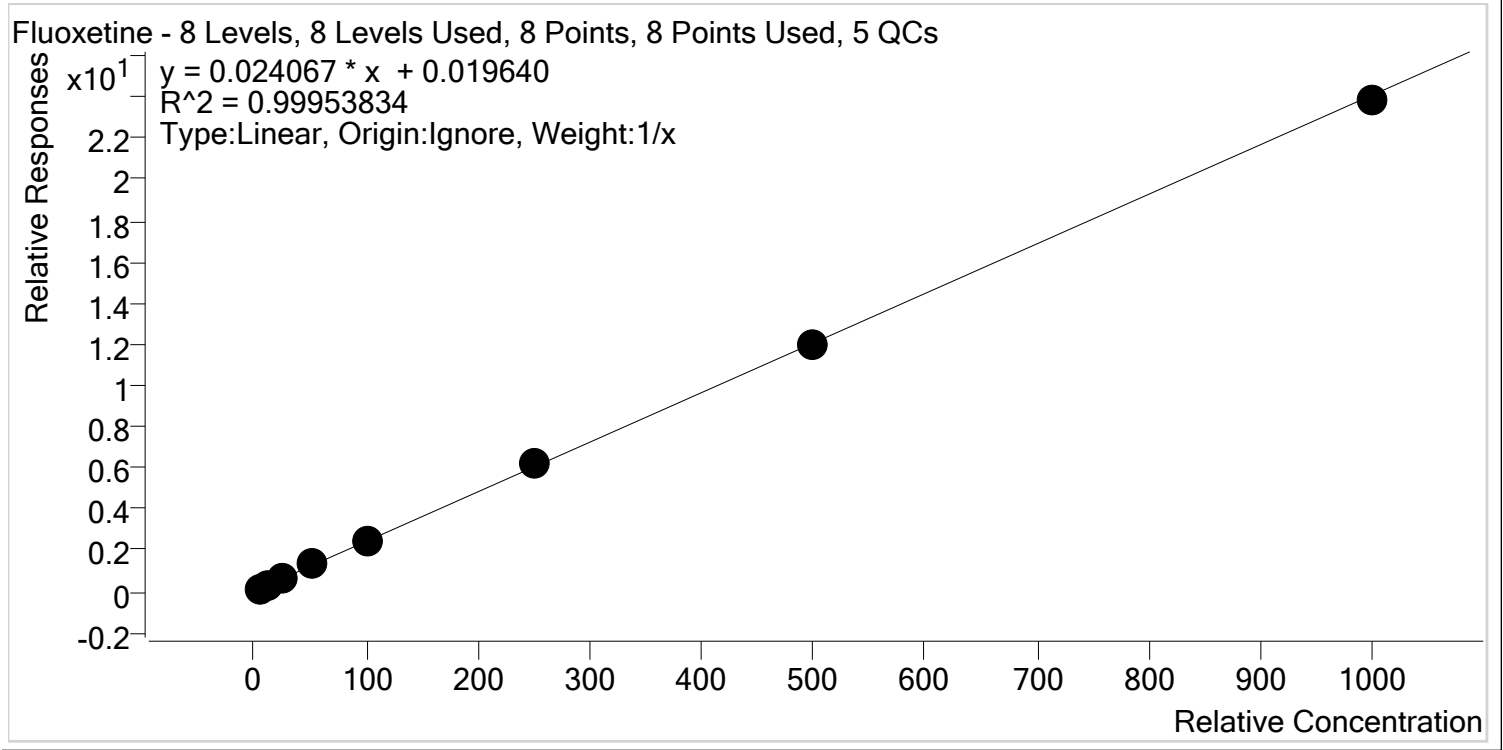


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.6
p1 Cal 2- 10ng	2	✓	1.0	1.0	97.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.6
p1 Cal 4-50ng	4	✓	5.0	5.1	102.7
p1 Cal 5-100ng	5	✓	10.0	9.8	98.5
p1 Cal 6-250ng	6	✓	25.0	24.3	97.1
p1 Cal 7-500ng	7	✓	50.0	50.3	100.6
p1 Cal 8-1000ng	8	✓	100.0	104.6	104.6



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

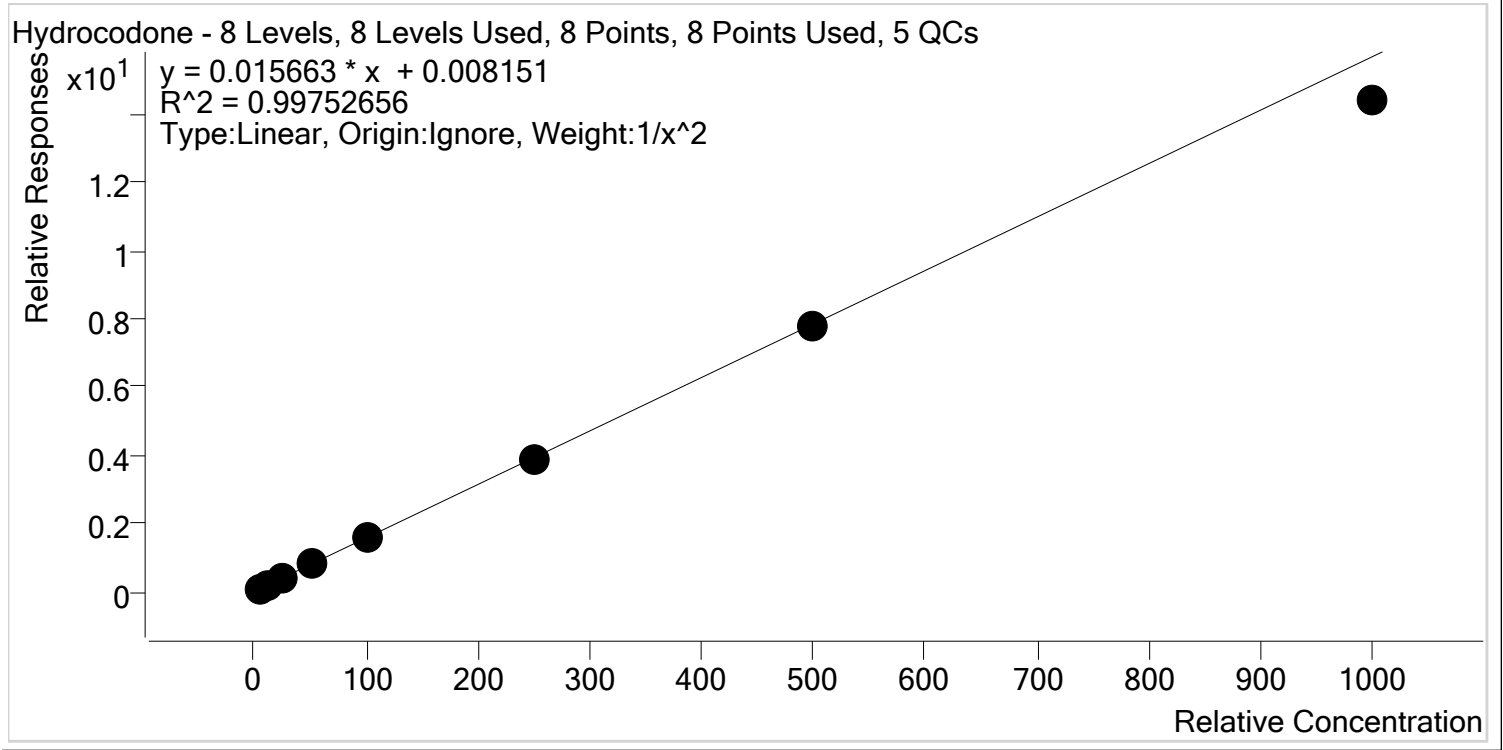


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	91.3
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.0
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	261.3	104.5
p1 Cal 7-500ng	7	✓	500.0	499.1	99.8
p1 Cal 8-1000ng	8	✓	1000.0	989.0	98.9



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

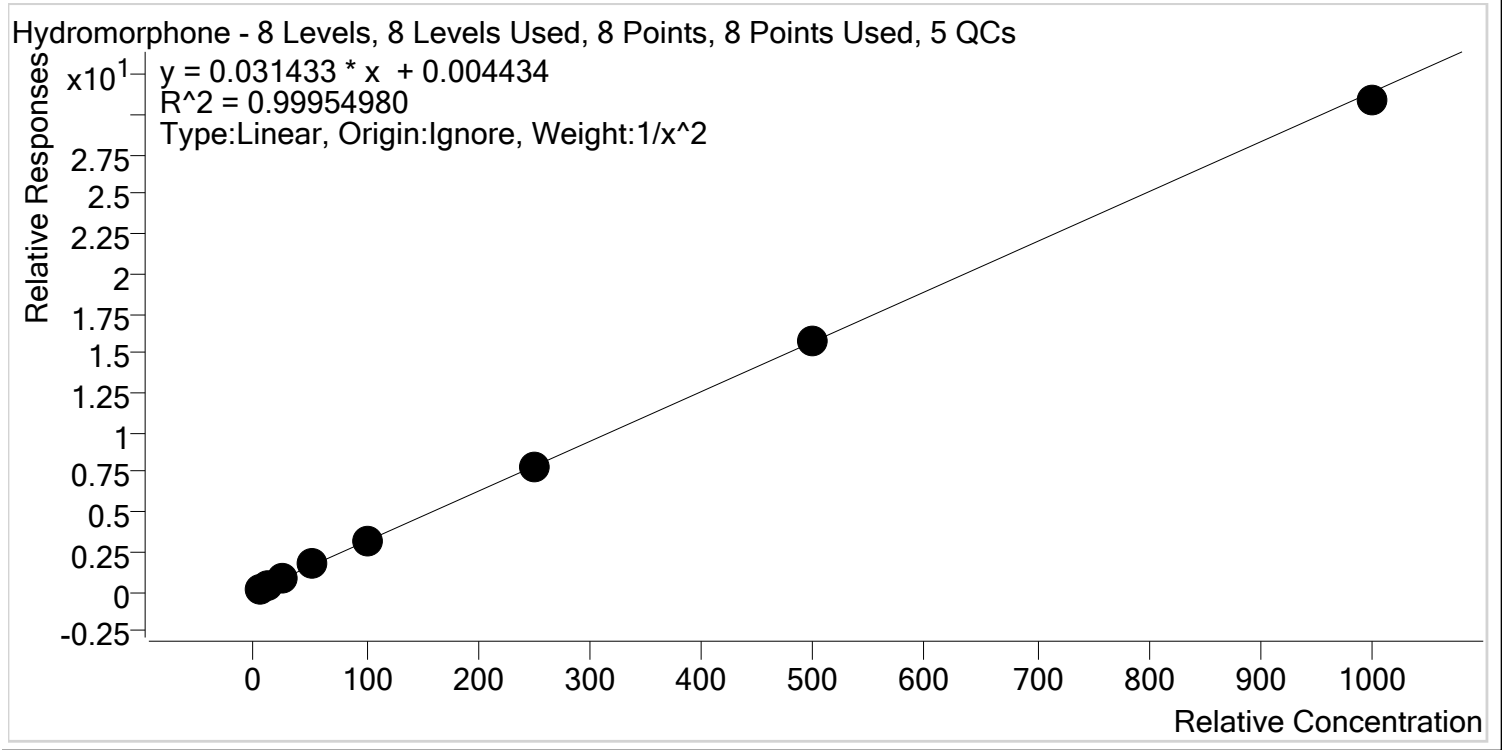


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	53.2	106.3
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	495.9	99.2
p1 Cal 8-1000ng	8	✓	1000.0	918.0	91.8



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6



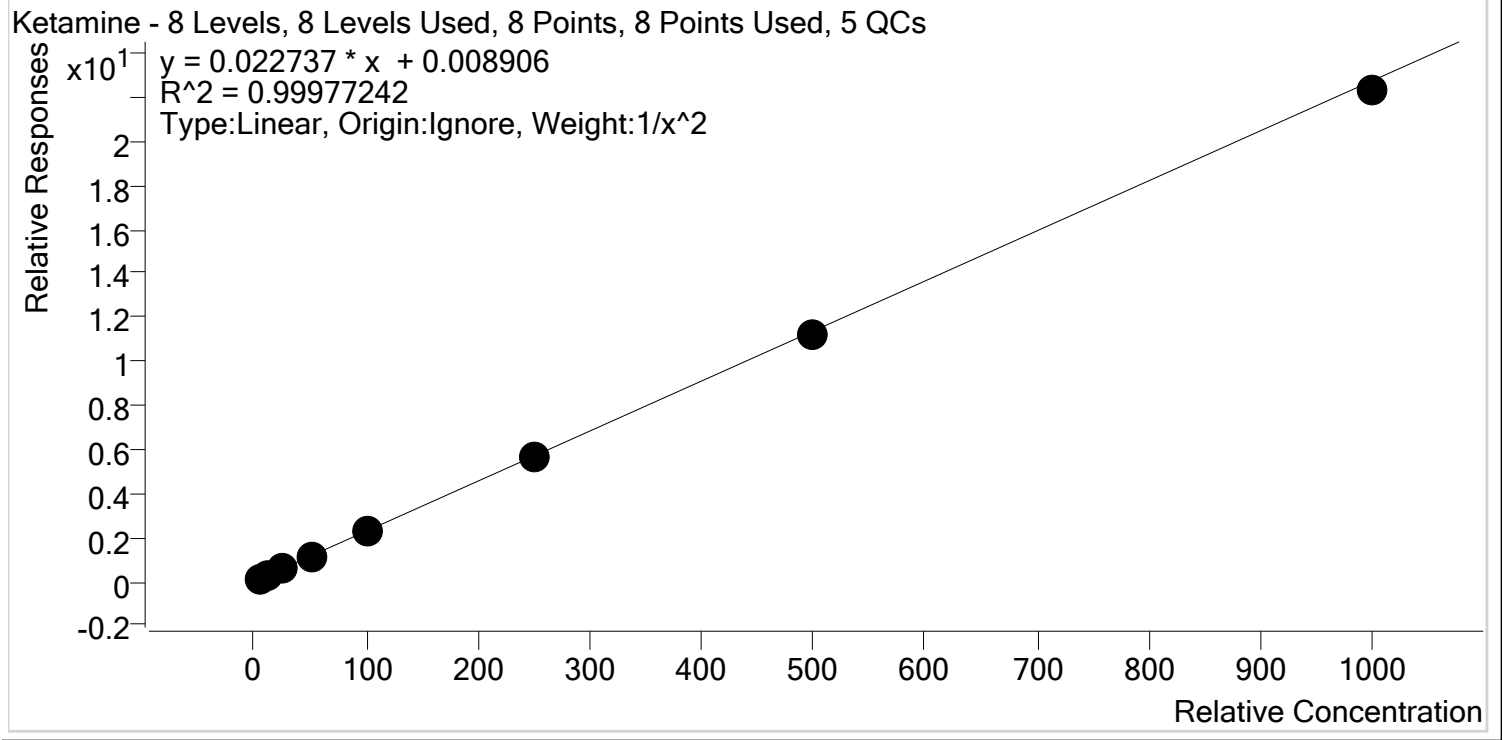
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	245.9	98.3
p1 Cal 7-500ng	7	✓	500.0	497.9	99.6
p1 Cal 8-1000ng	8	✓	1000.0	982.7	98.3





# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

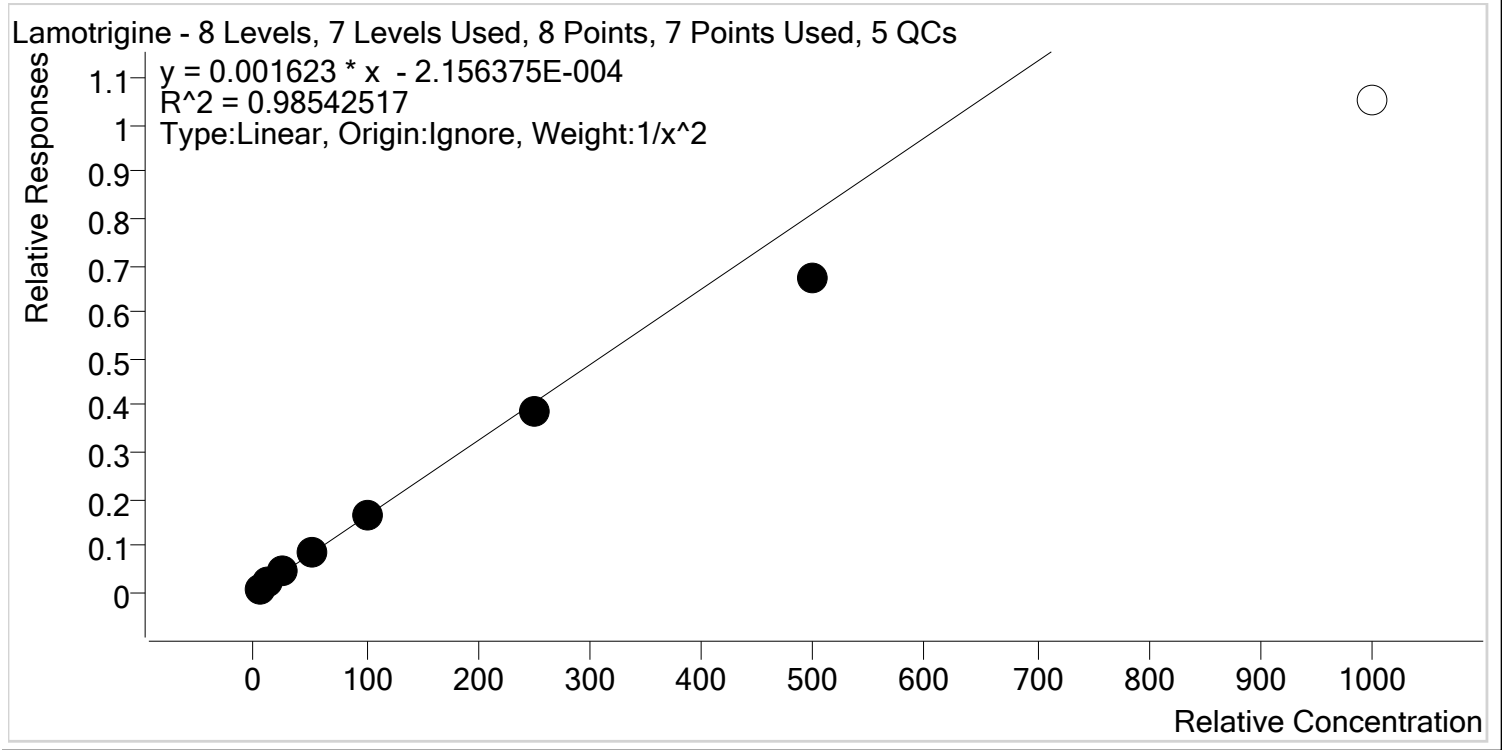


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	493.4	98.7
p1 Cal 8-1000ng	8	✓	1000.0	980.4	98.0



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



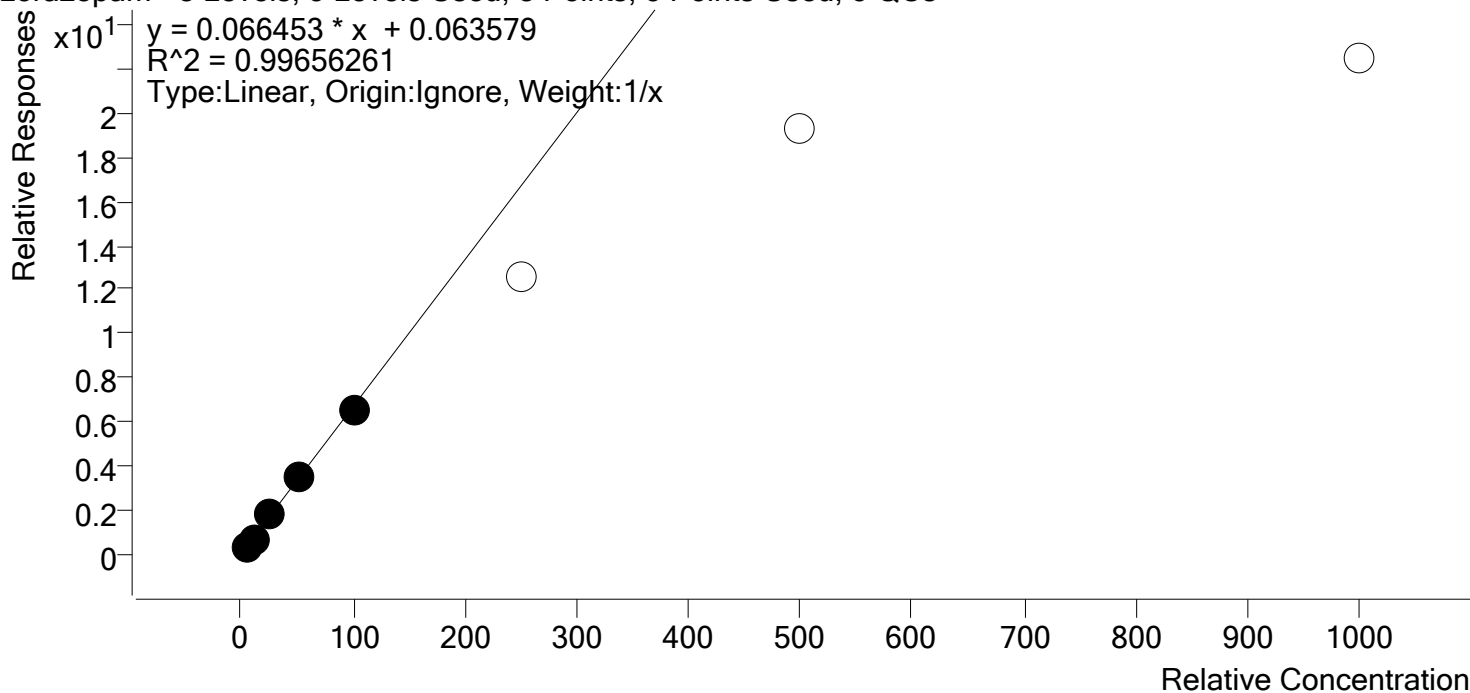
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	91.7
p1 Cal 2- 10ng	2	✓	10.0	11.2	112.2
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.5
p1 Cal 4-50ng	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	239.5	95.8
p1 Cal 7-500ng	7	✓	500.0	415.9	83.2
p1 Cal 8-1000ng	8	✗	1000.0	648.6	64.9



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

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

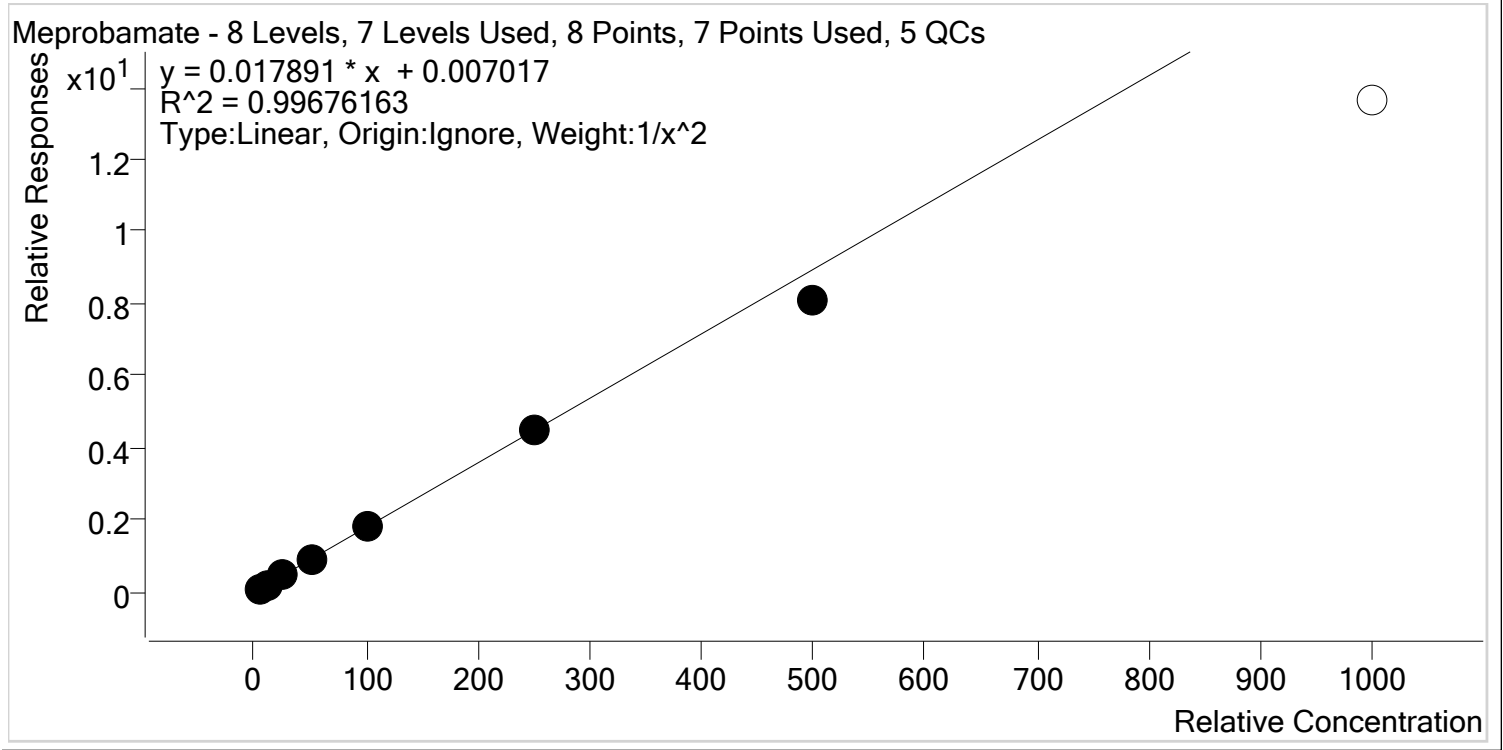


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	90.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✗	250.0	189.5	75.8
p1 Cal 7-500ng	7	✗	500.0	290.4	58.1
p1 Cal 8-1000ng	8	✗	1000.0	336.8	33.7



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

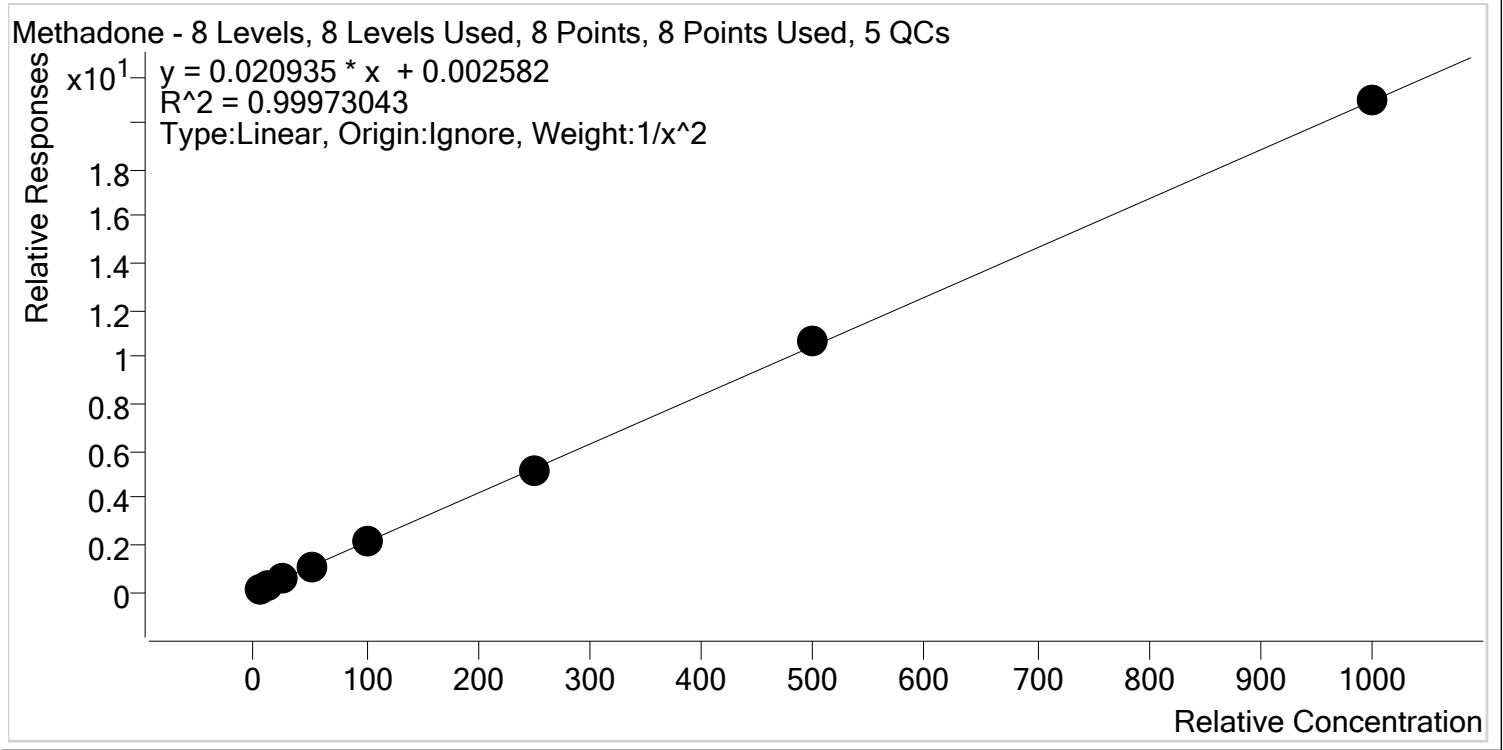


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	450.7	90.1
p1 Cal 8-1000ng	8	✗	1000.0	761.6	76.2



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

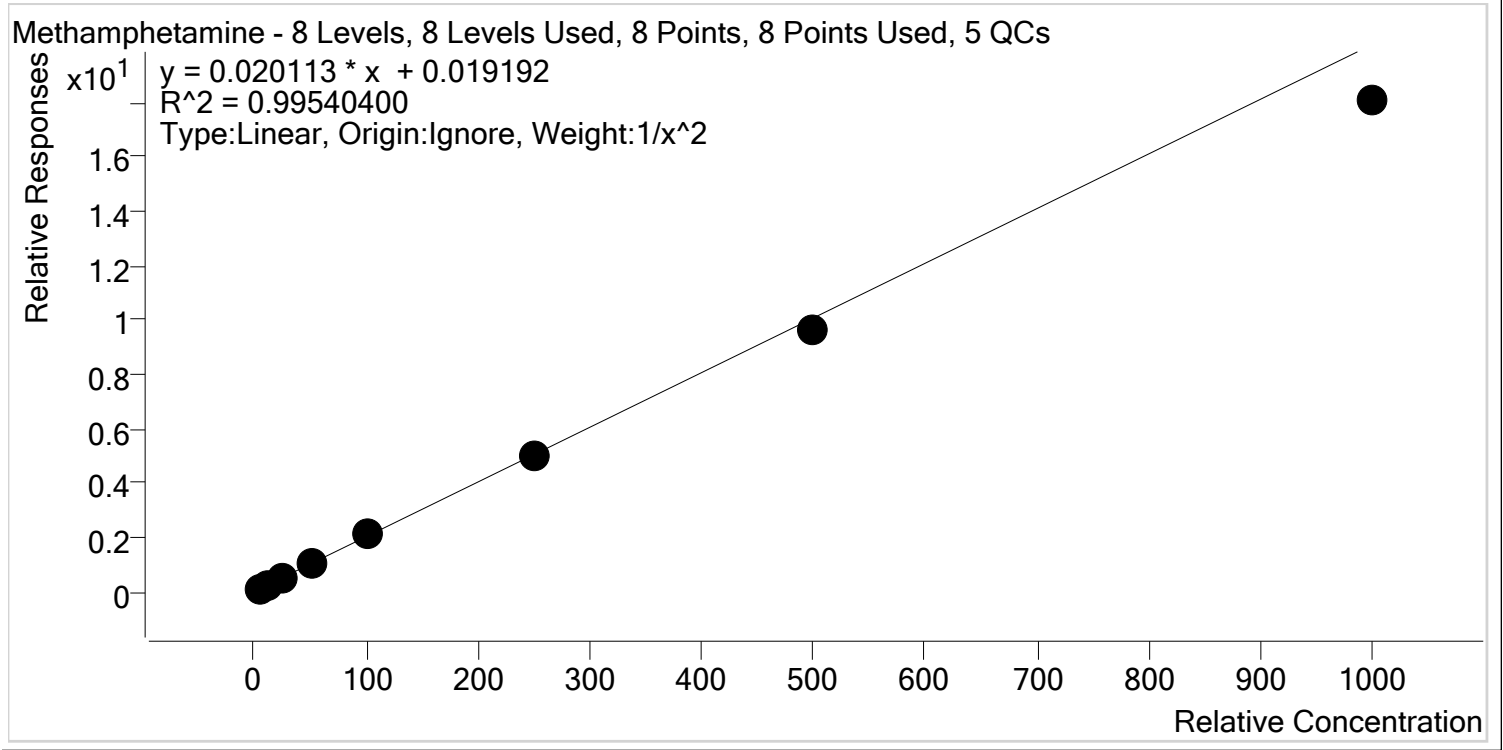


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1000.8	100.1



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

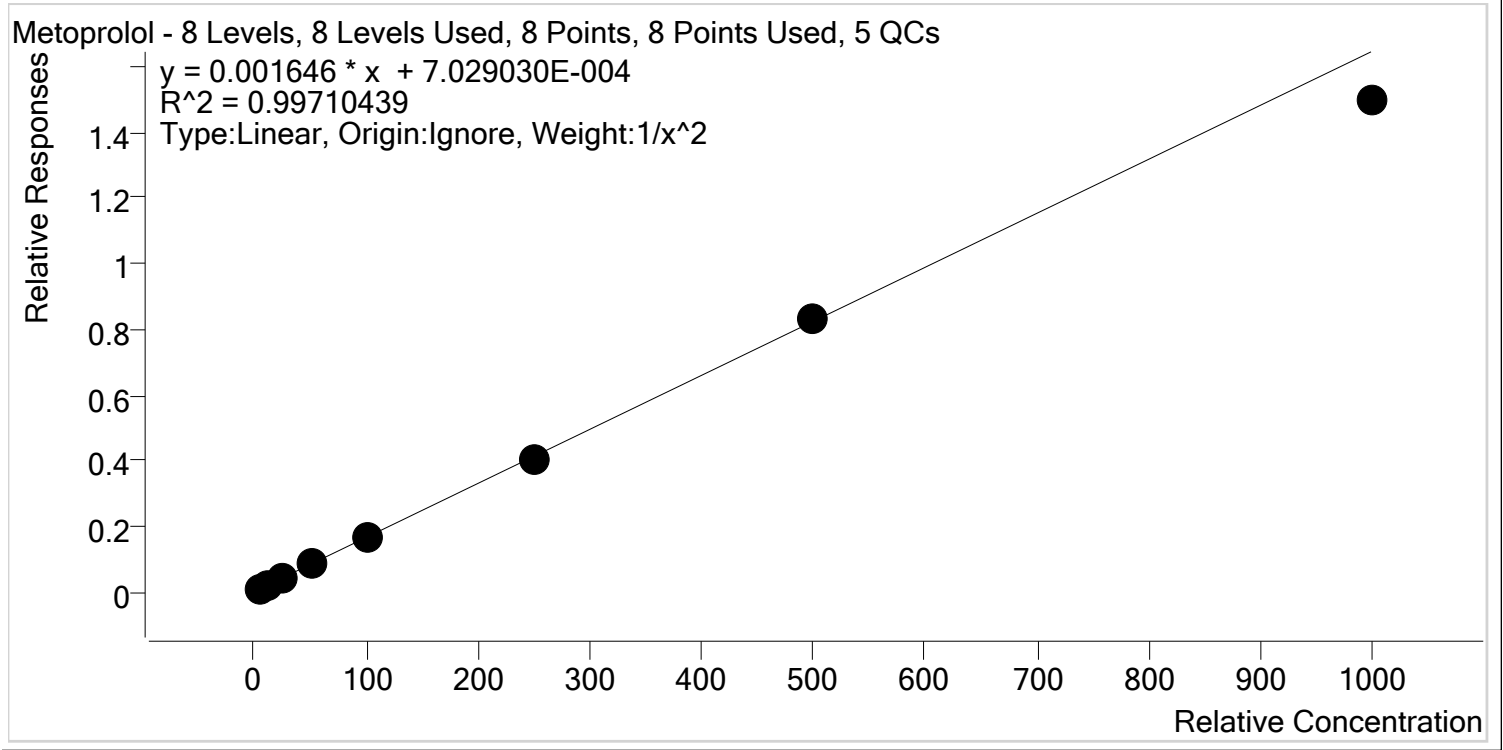


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	10.6	105.9
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	477.5	95.5
p1 Cal 8-1000ng	8	✓	1000.0	897.6	89.8



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

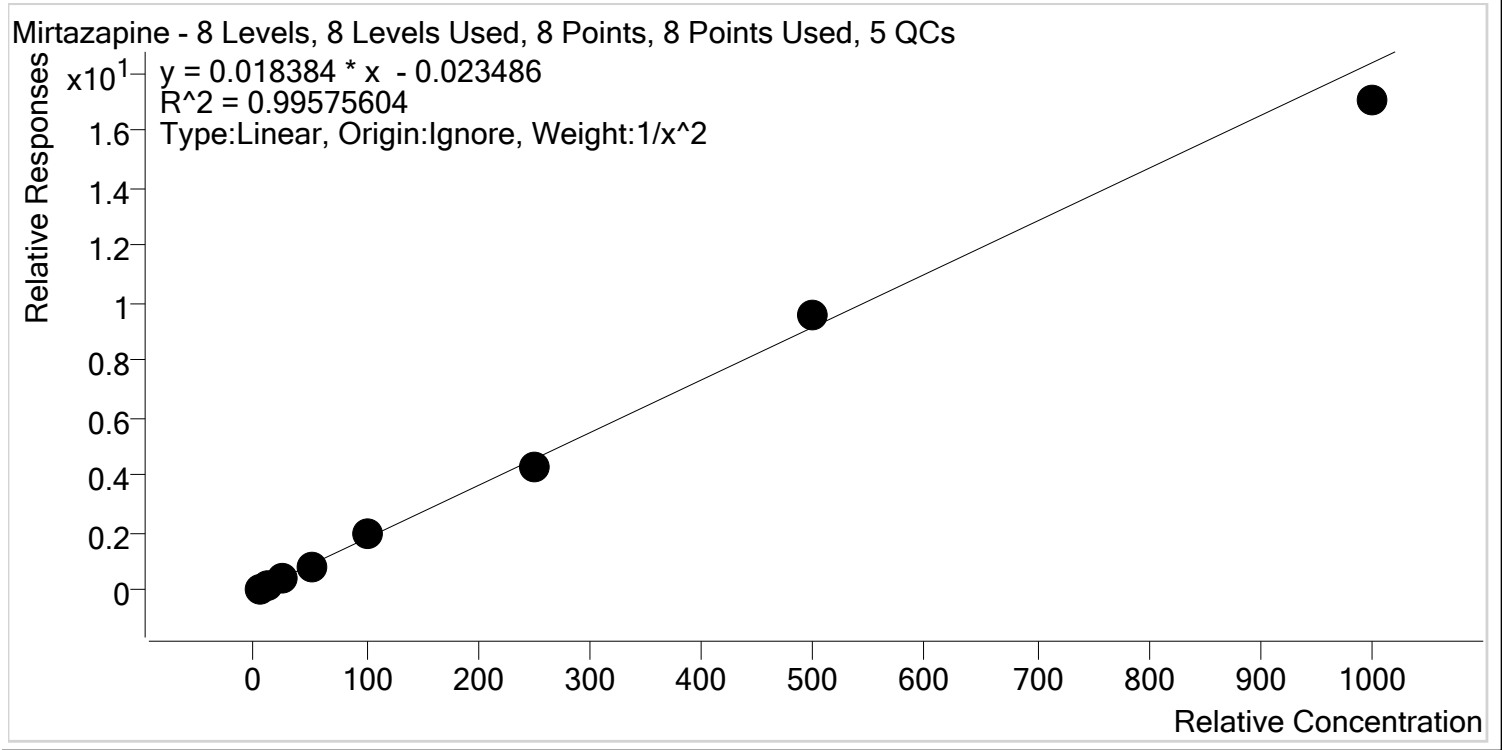


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	507.7	101.5
p1 Cal 8-1000ng	8	✓	1000.0	908.7	90.9



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



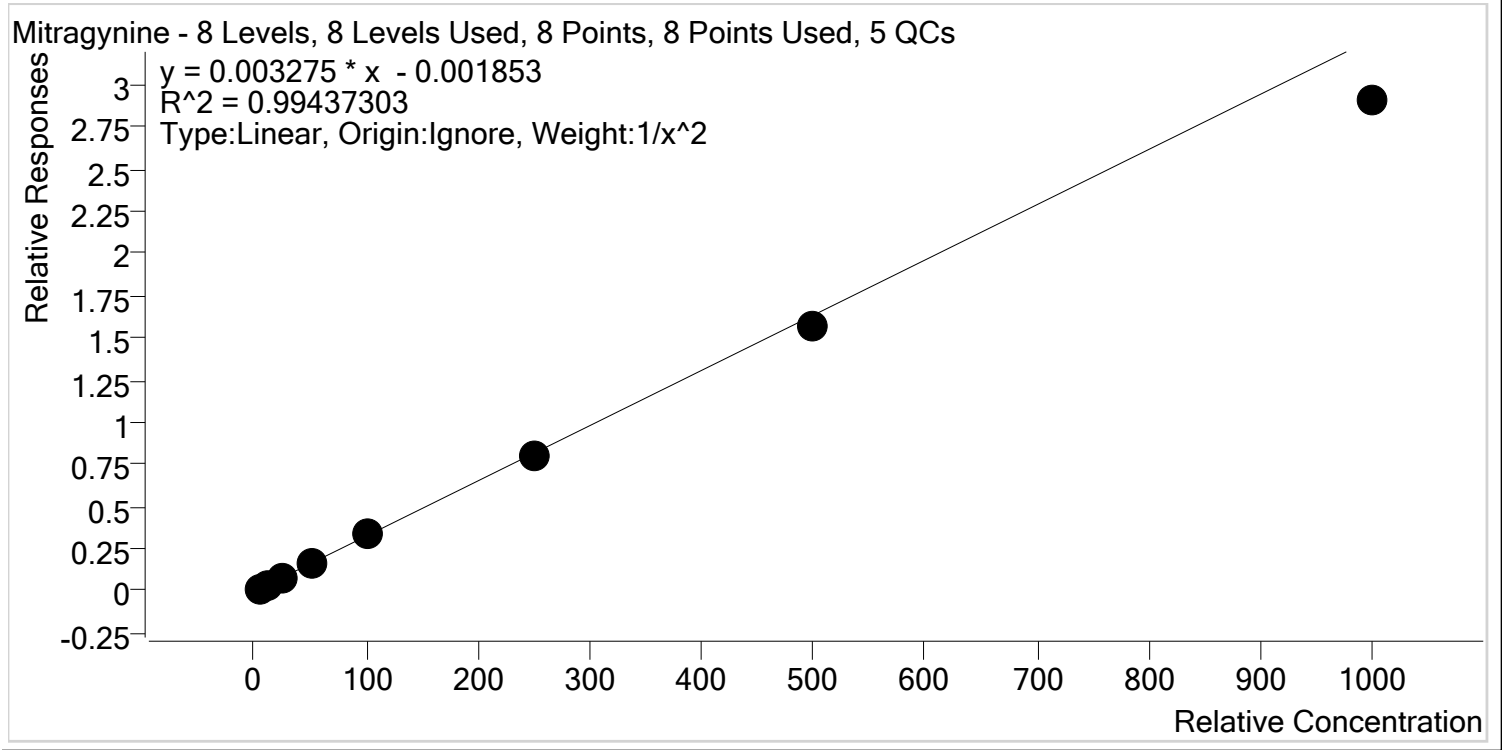
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	232.3	92.9
p1 Cal 7-500ng	7	✓	500.0	522.4	104.5
p1 Cal 8-1000ng	8	✓	1000.0	928.3	92.8





# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9

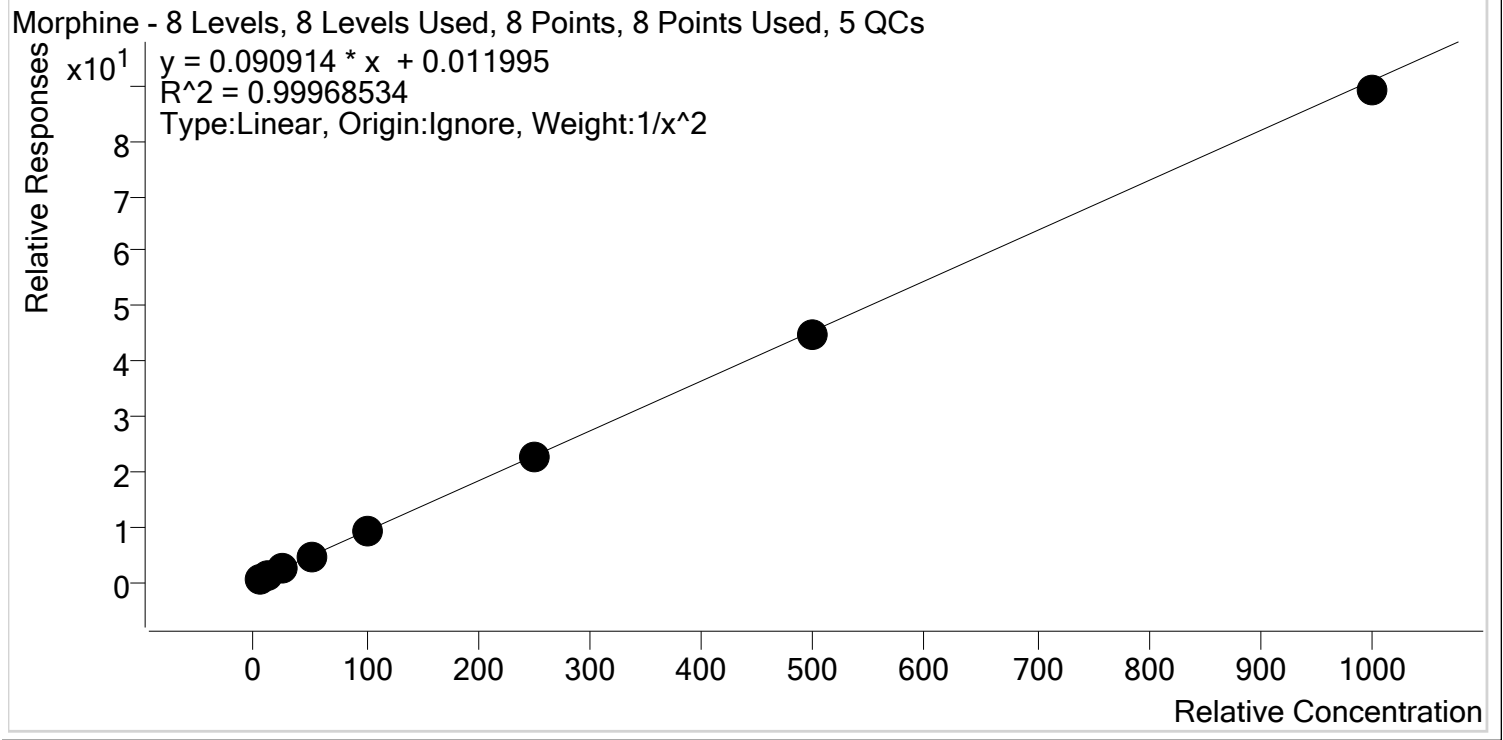


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.2
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	477.5	95.5
p1 Cal 8-1000ng	8	✓	1000.0	888.6	88.9



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

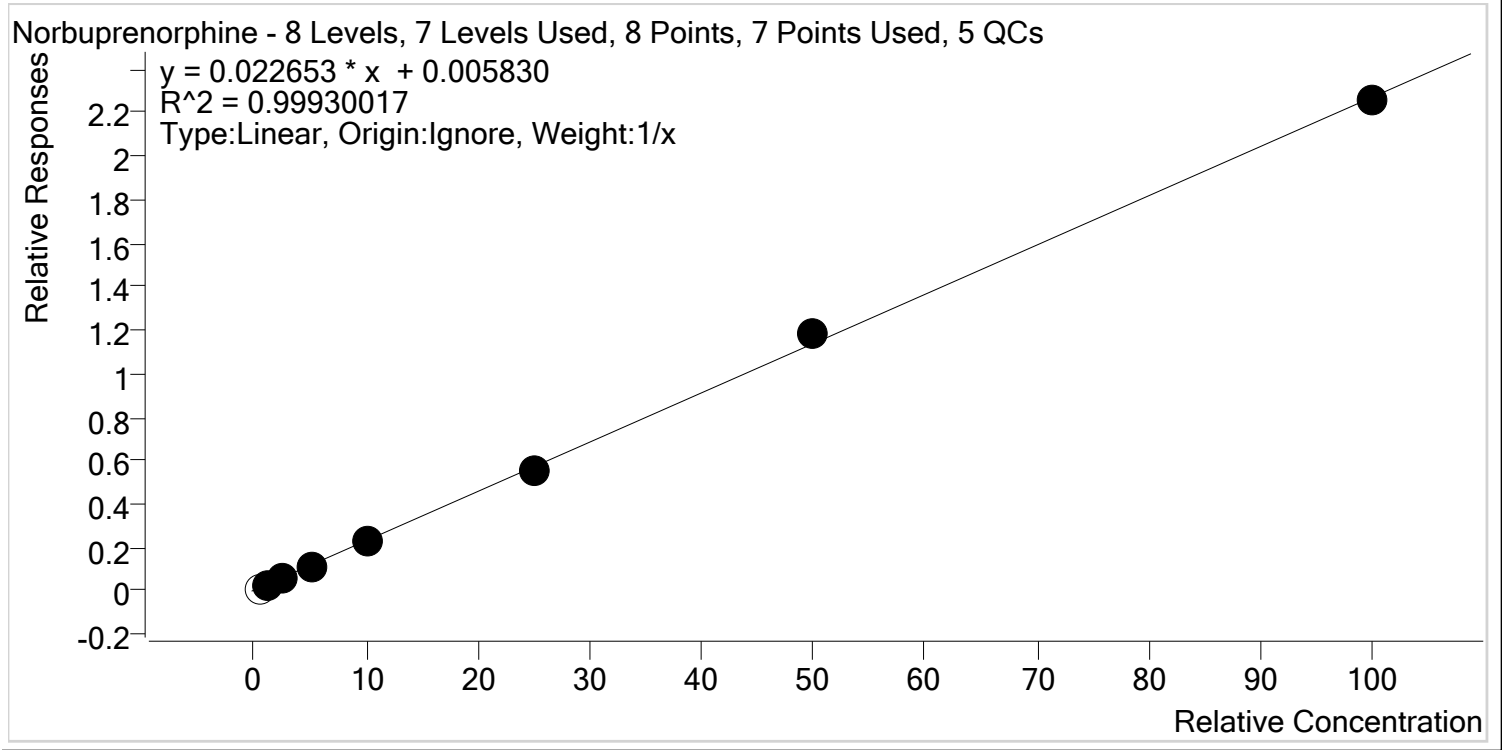


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	491.5	98.3
p1 Cal 8-1000ng	8	✓	1000.0	979.8	98.0



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

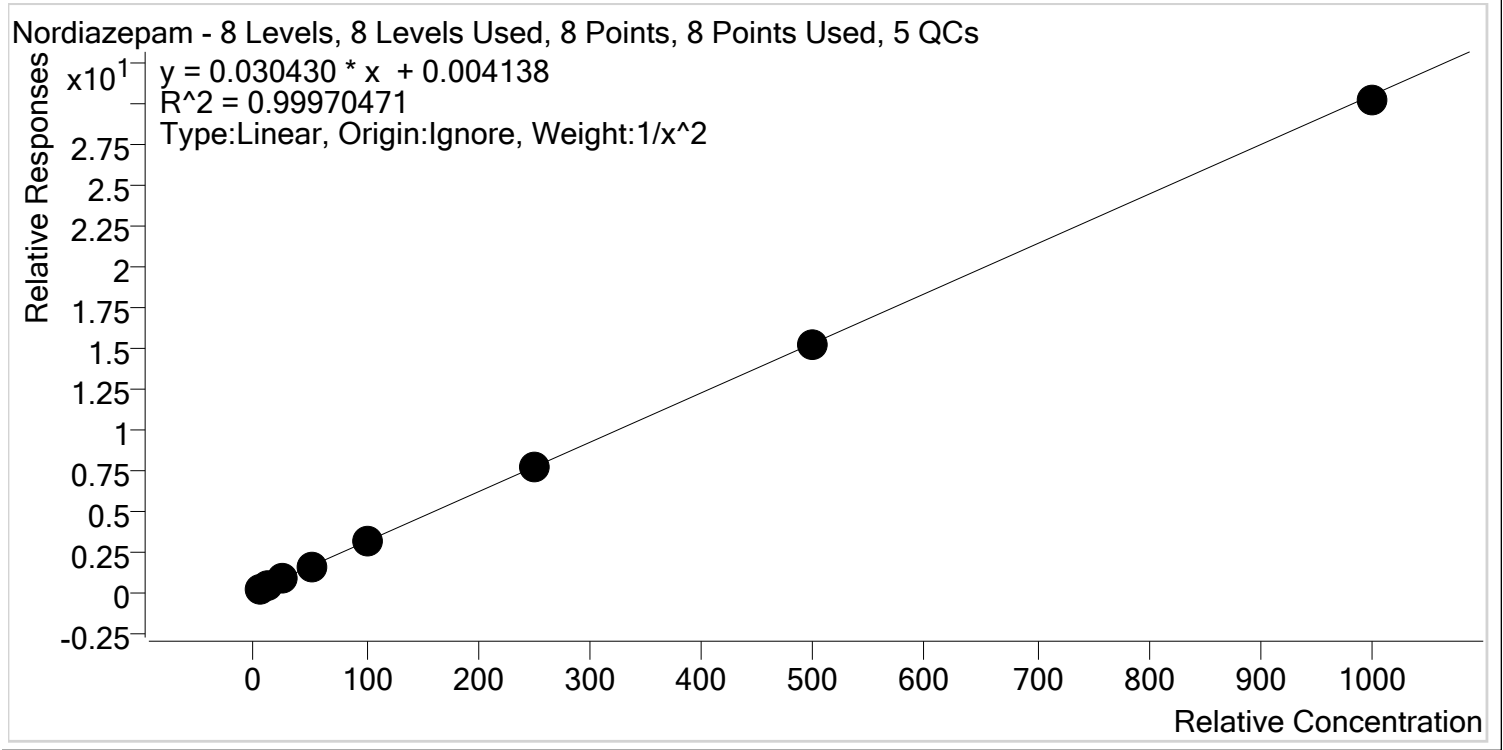


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.2	48.4
p1 Cal 2- 10ng	2	✓	1.0	1.1	108.2
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.7
p1 Cal 4-50ng	4	✓	5.0	4.6	92.4
p1 Cal 5-100ng	5	✓	10.0	9.7	96.7
p1 Cal 6-250ng	6	✓	25.0	24.6	98.3
p1 Cal 7-500ng	7	✓	50.0	51.7	103.4
p1 Cal 8-1000ng	8	✓	100.0	99.3	99.3



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5

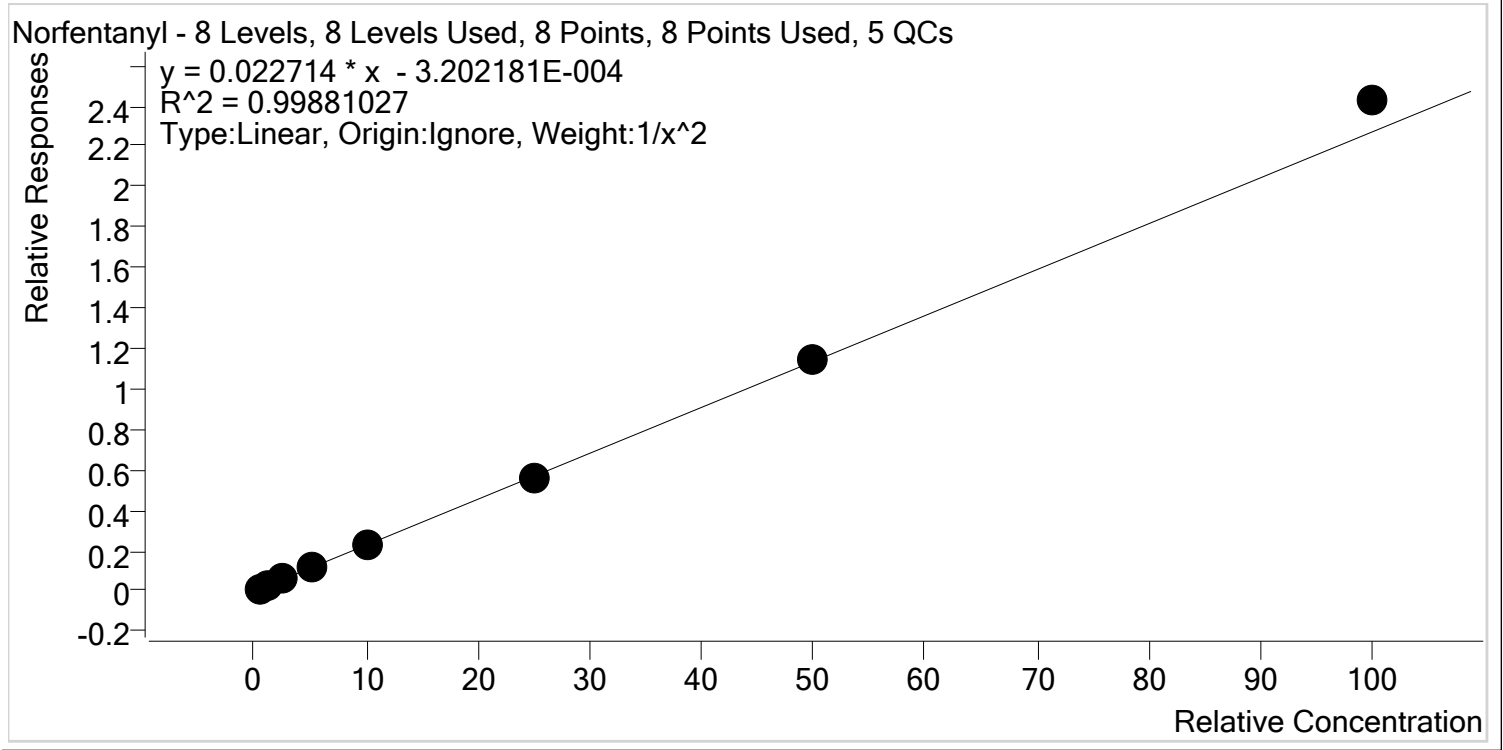


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	51.5	102.9
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	496.5	99.3
p1 Cal 8-1000ng	8	✓	1000.0	988.9	98.9



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



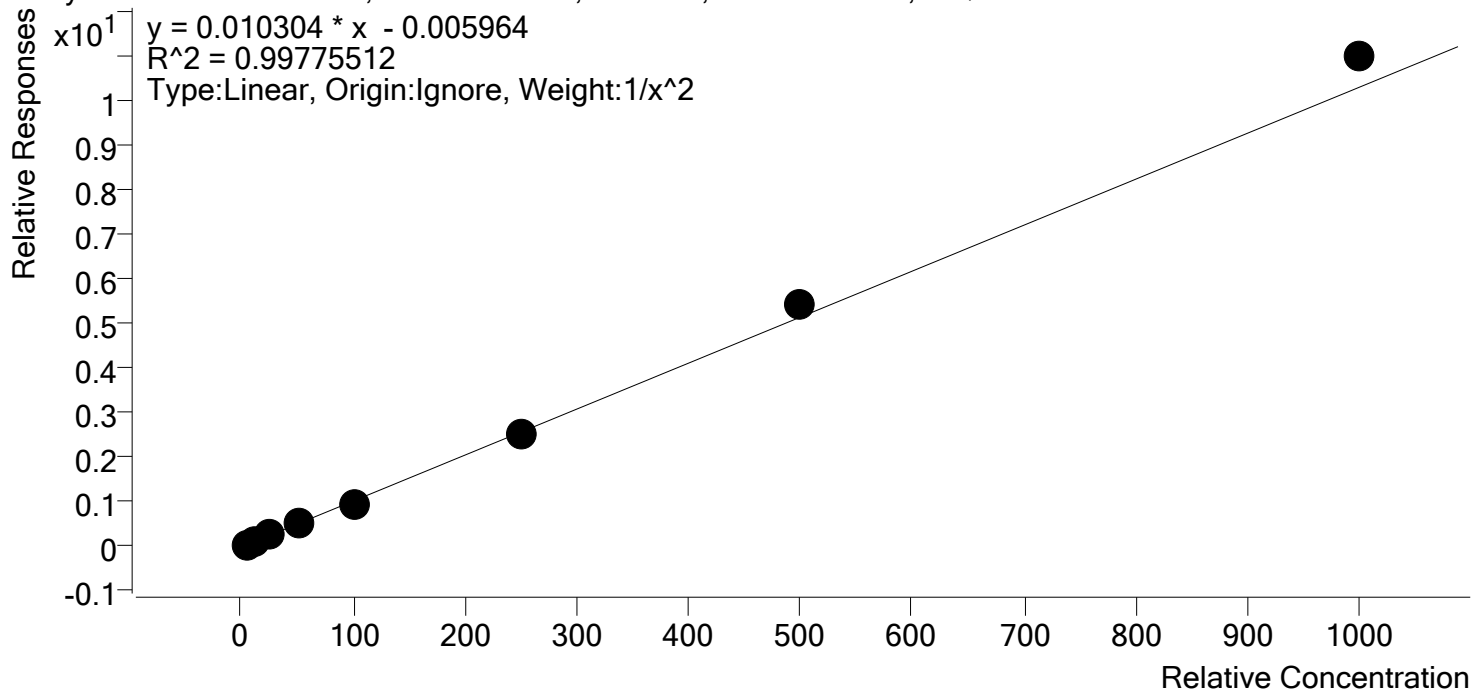
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.2
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.1
p1 Cal 4-50ng	4	✓	5.0	4.9	97.7
p1 Cal 5-100ng	5	✓	10.0	9.8	98.3
p1 Cal 6-250ng	6	✓	25.0	24.7	98.9
p1 Cal 7-500ng	7	✓	50.0	50.1	100.1
p1 Cal 8-1000ng	8	✓	100.0	106.8	106.8



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

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

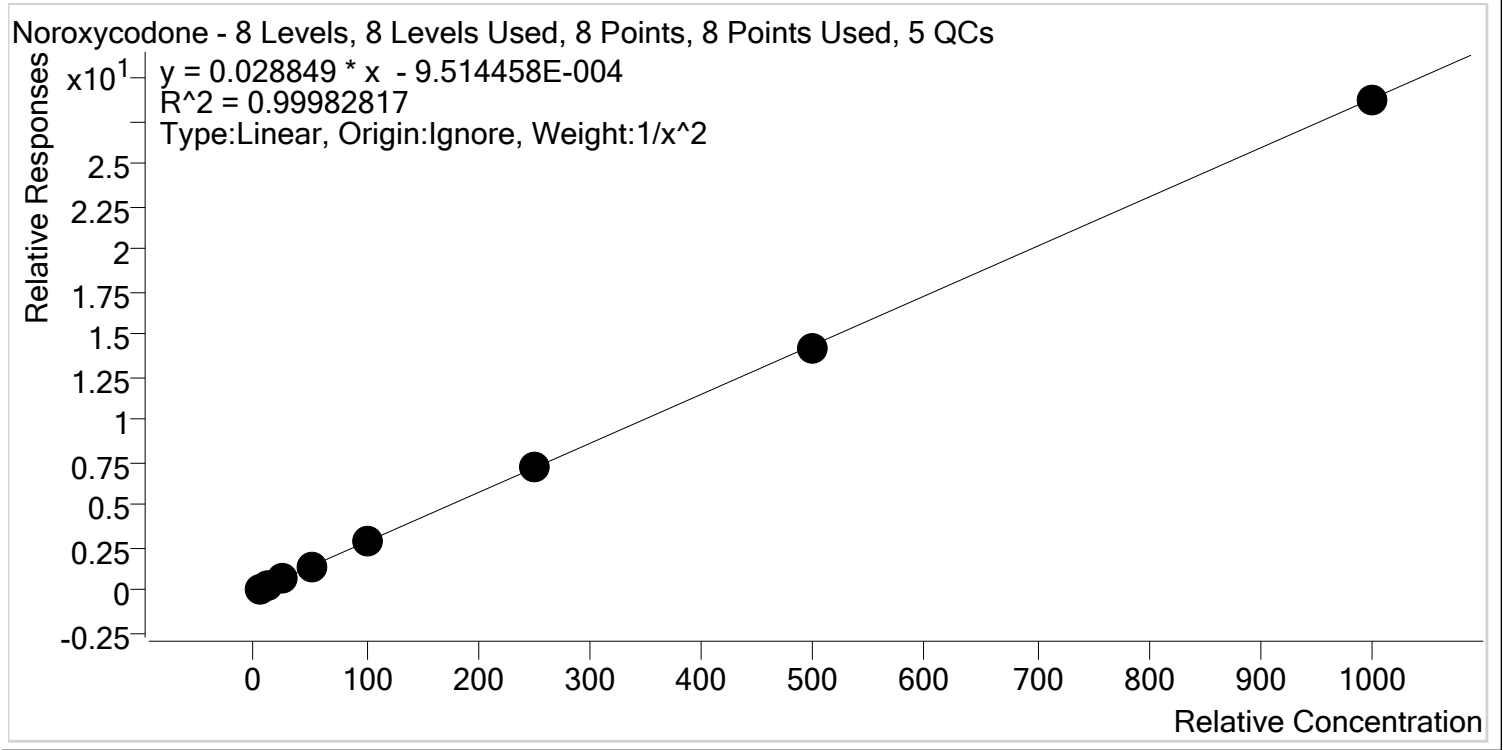


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	48.7	97.3
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	243.1	97.3
p1 Cal 7-500ng	7	✓	500.0	526.7	105.3
p1 Cal 8-1000ng	8	✓	1000.0	1066.8	106.7



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

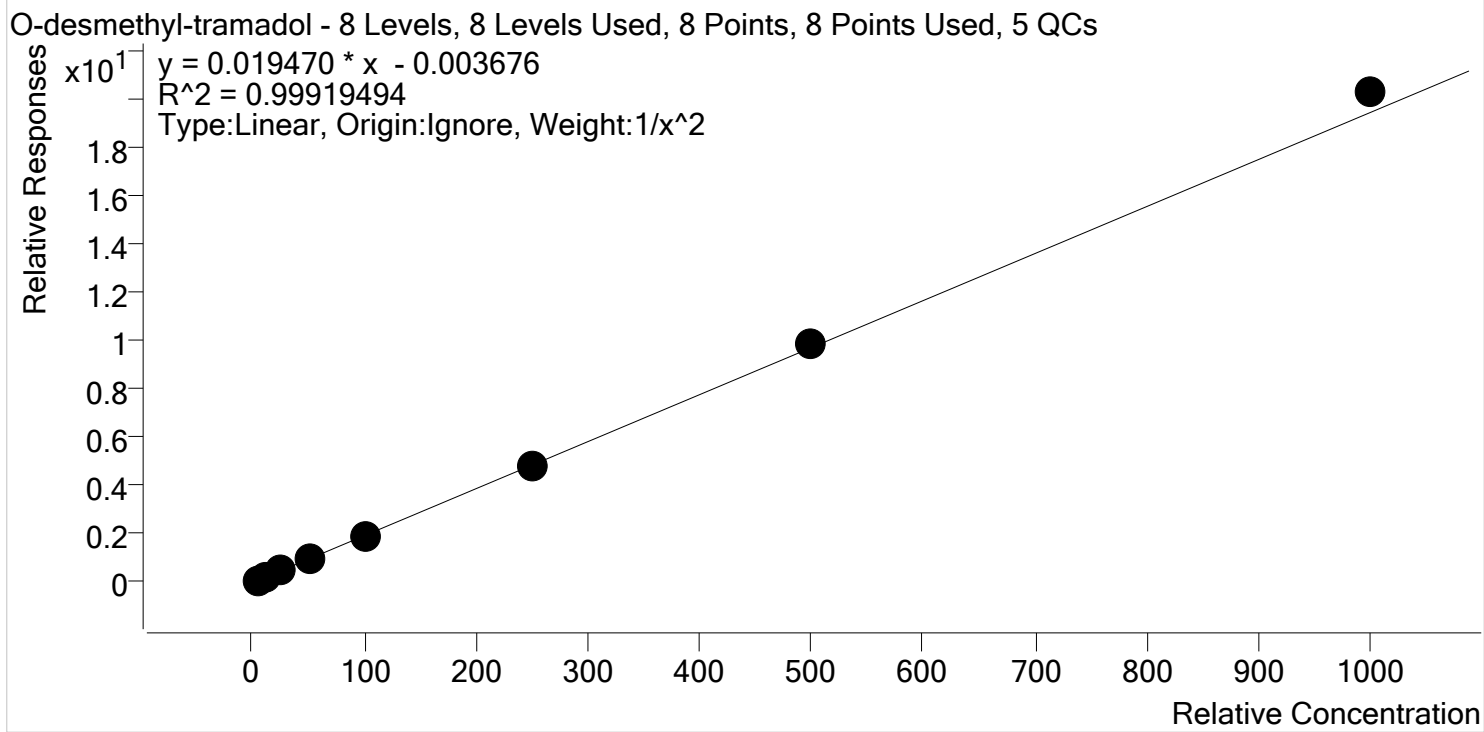


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.8
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	495.7	99.1
p1 Cal 8-1000ng	8	✓	1000.0	996.2	99.6



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



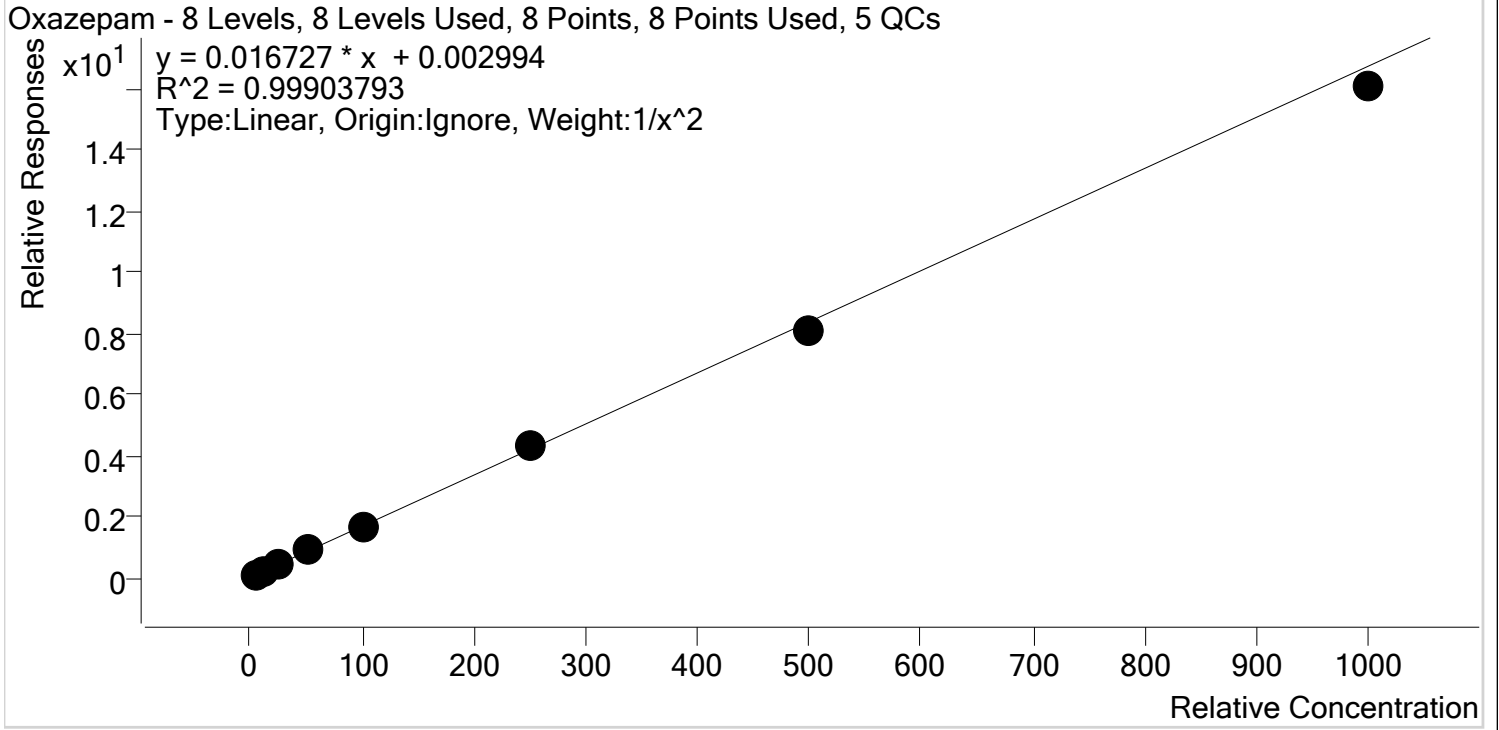
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	510.5	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1043.1	104.3





# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

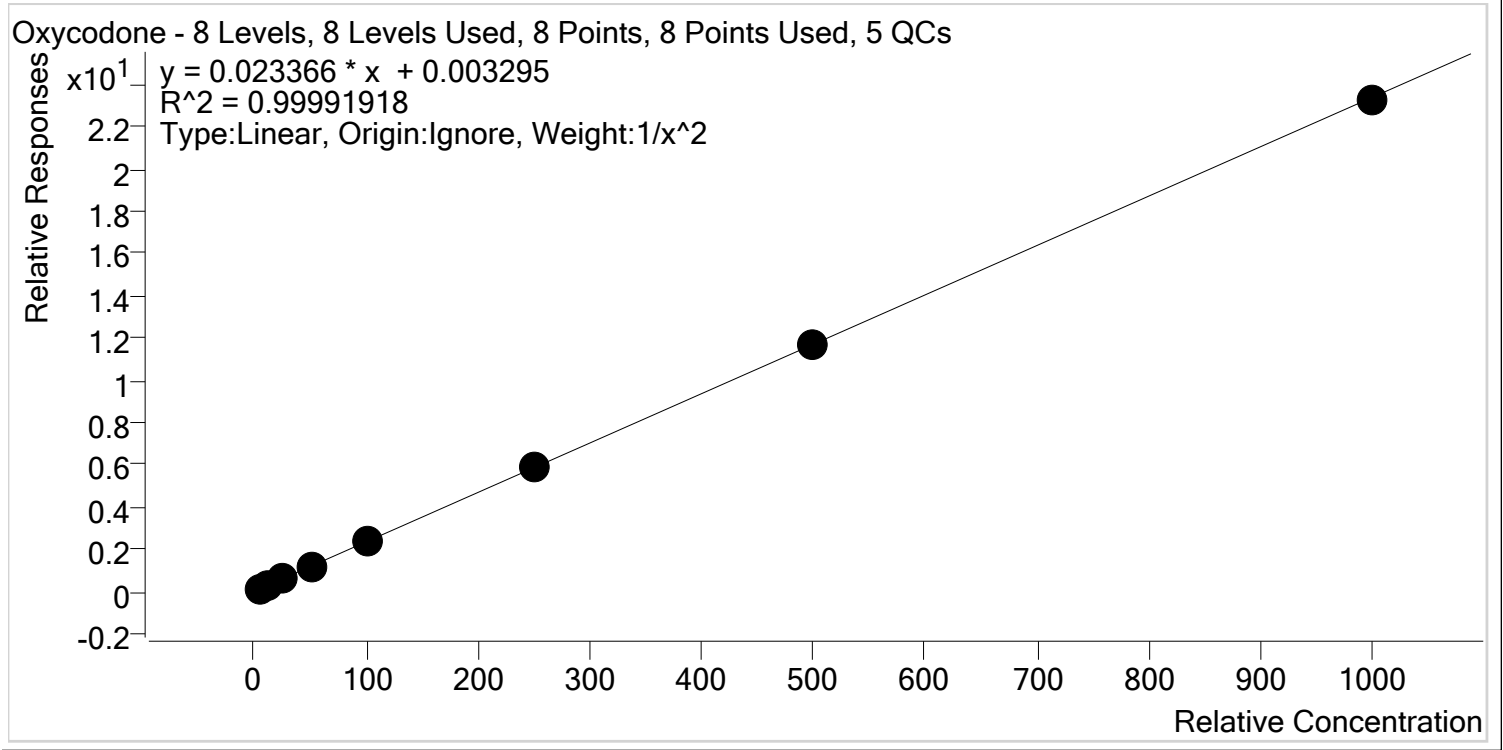


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	257.8	103.1
p1 Cal 7-500ng	7	✓	500.0	486.0	97.2
p1 Cal 8-1000ng	8	✓	1000.0	960.1	96.0



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

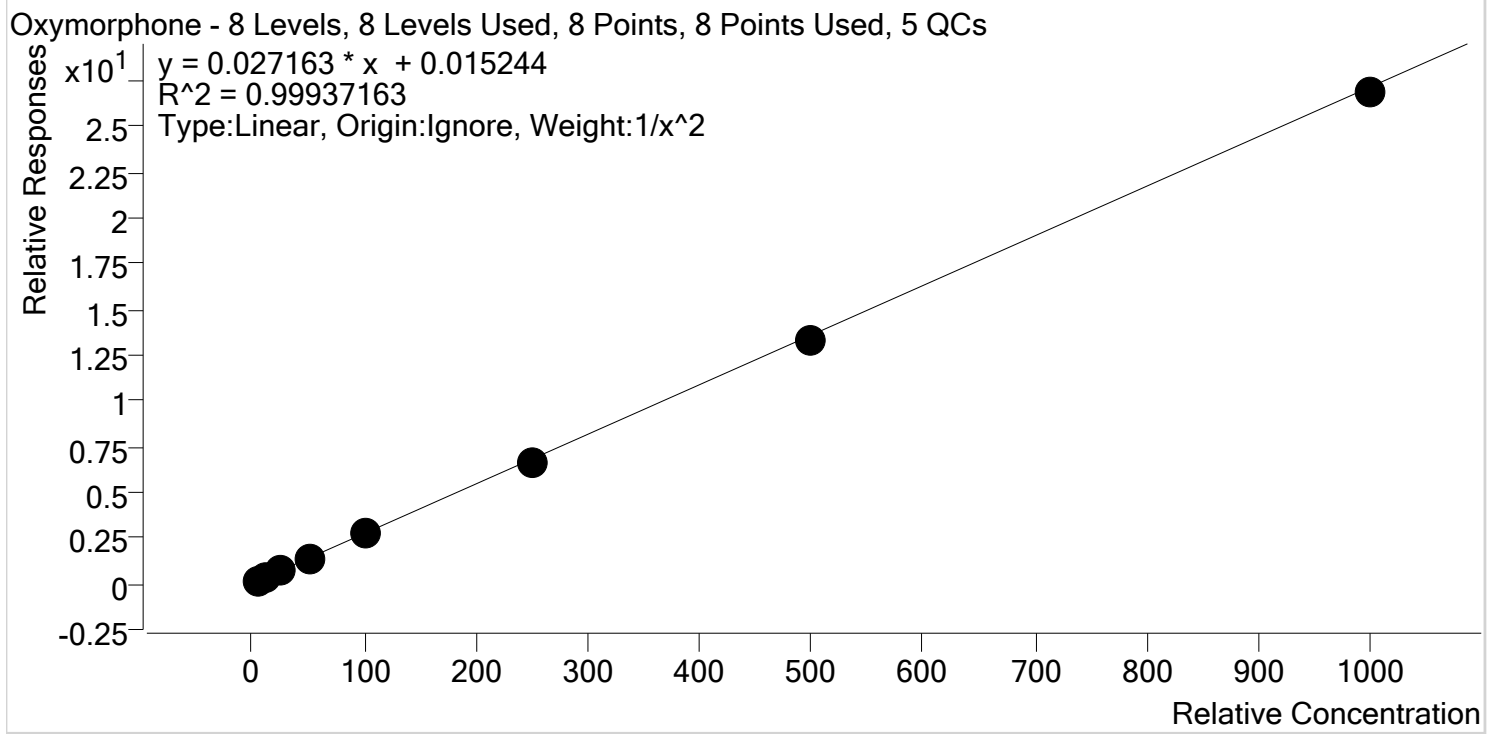


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	497.9	99.6
p1 Cal 8-1000ng	8	✓	1000.0	993.6	99.4



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

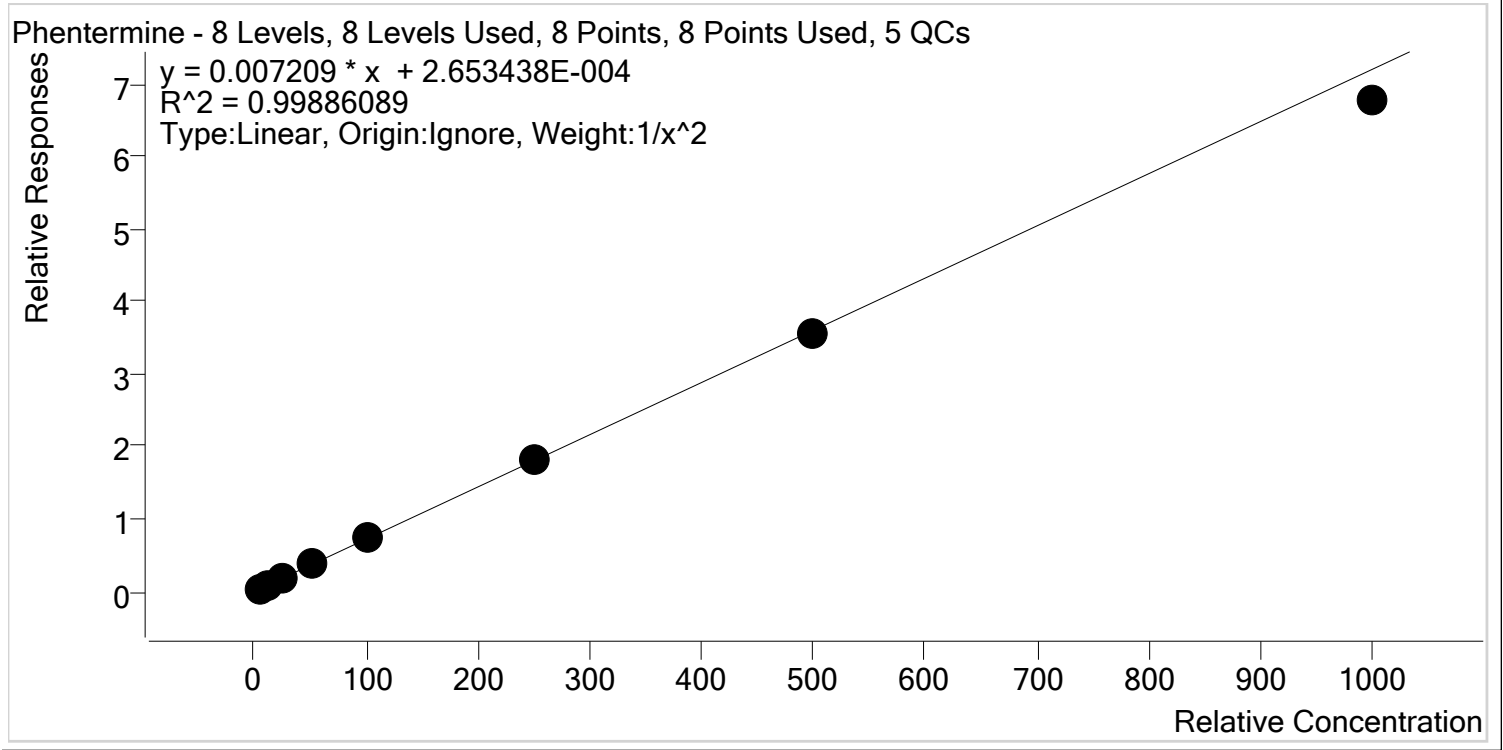


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	486.7	97.3
p1 Cal 8-1000ng	8	✓	1000.0	988.7	98.9



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5

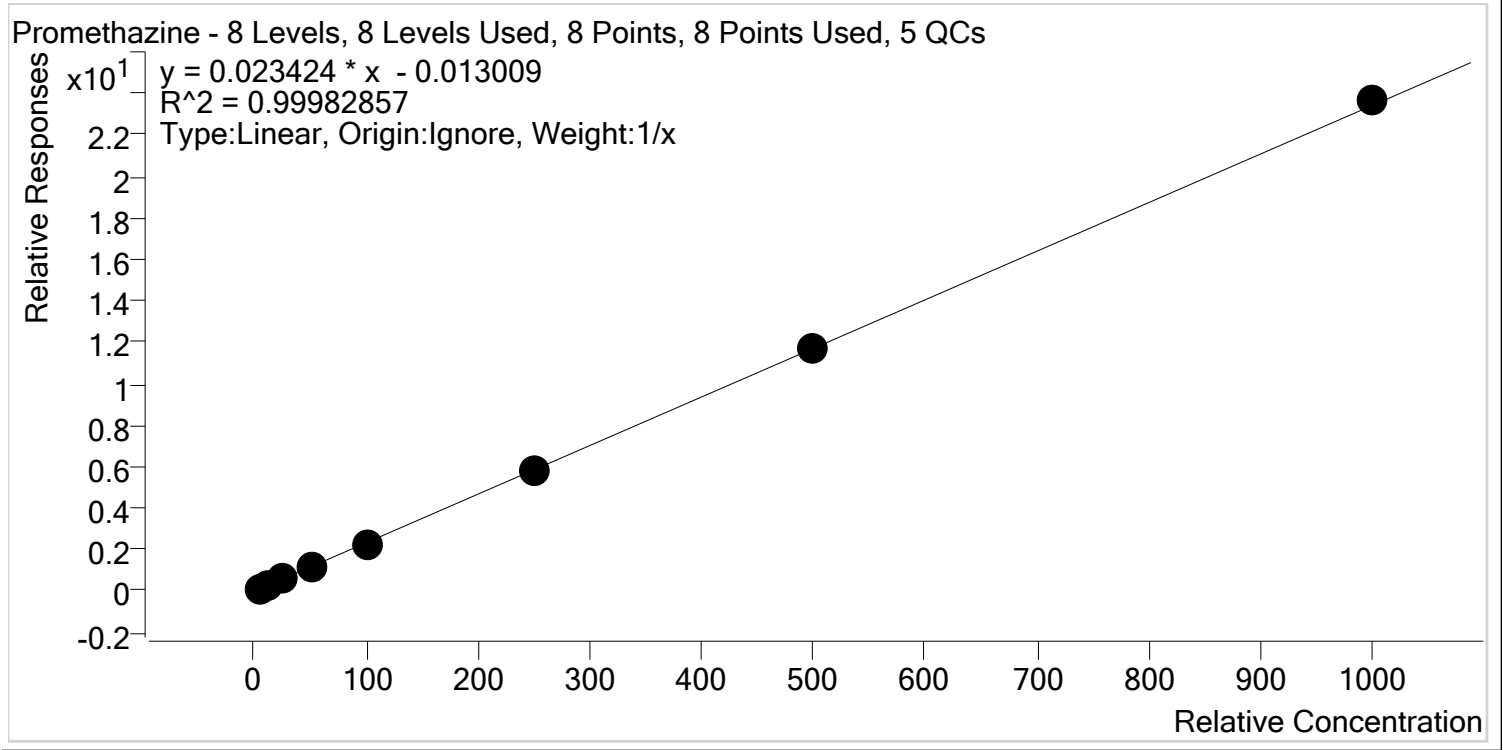


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	490.4	98.1
p1 Cal 8-1000ng	8	✓	1000.0	940.2	94.0



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

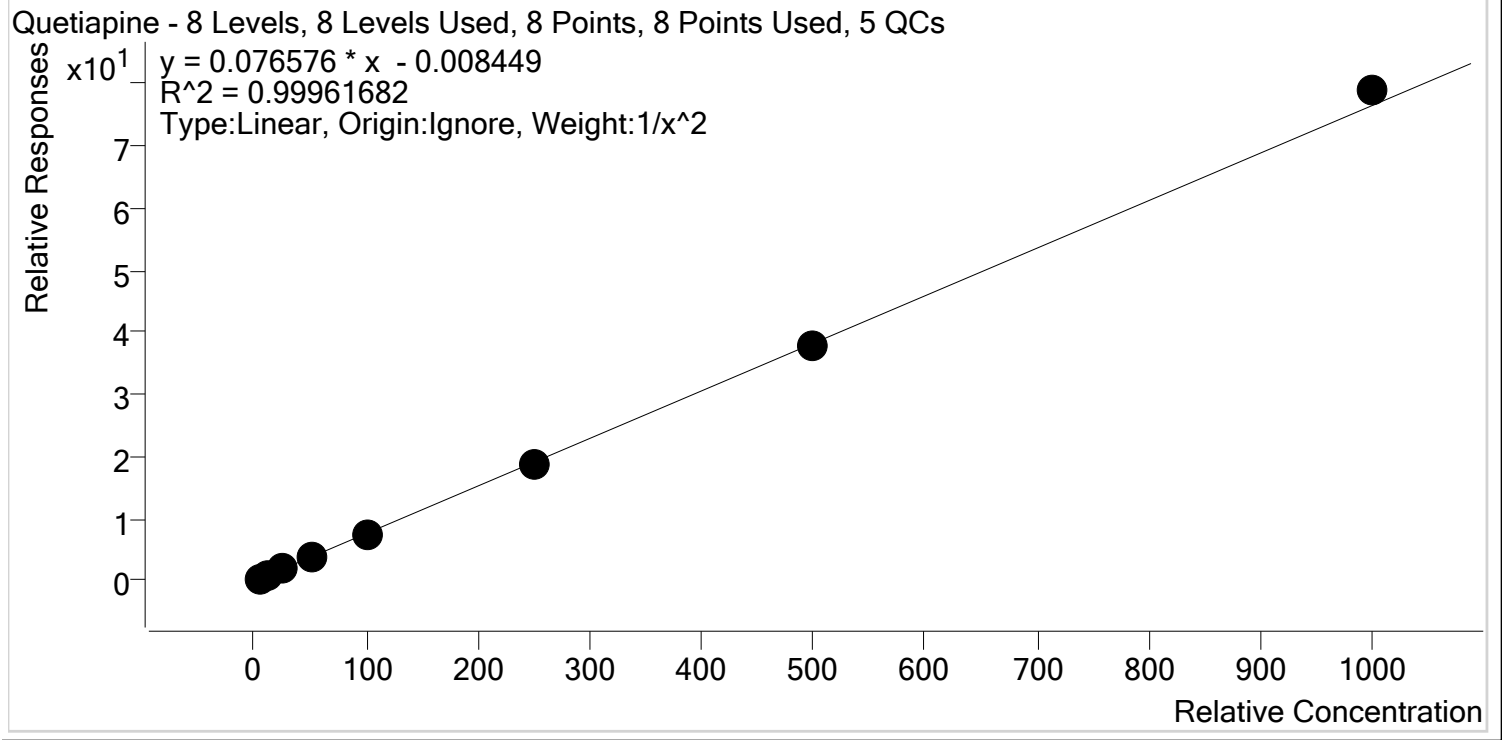


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	496.4	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1010.1	101.0



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

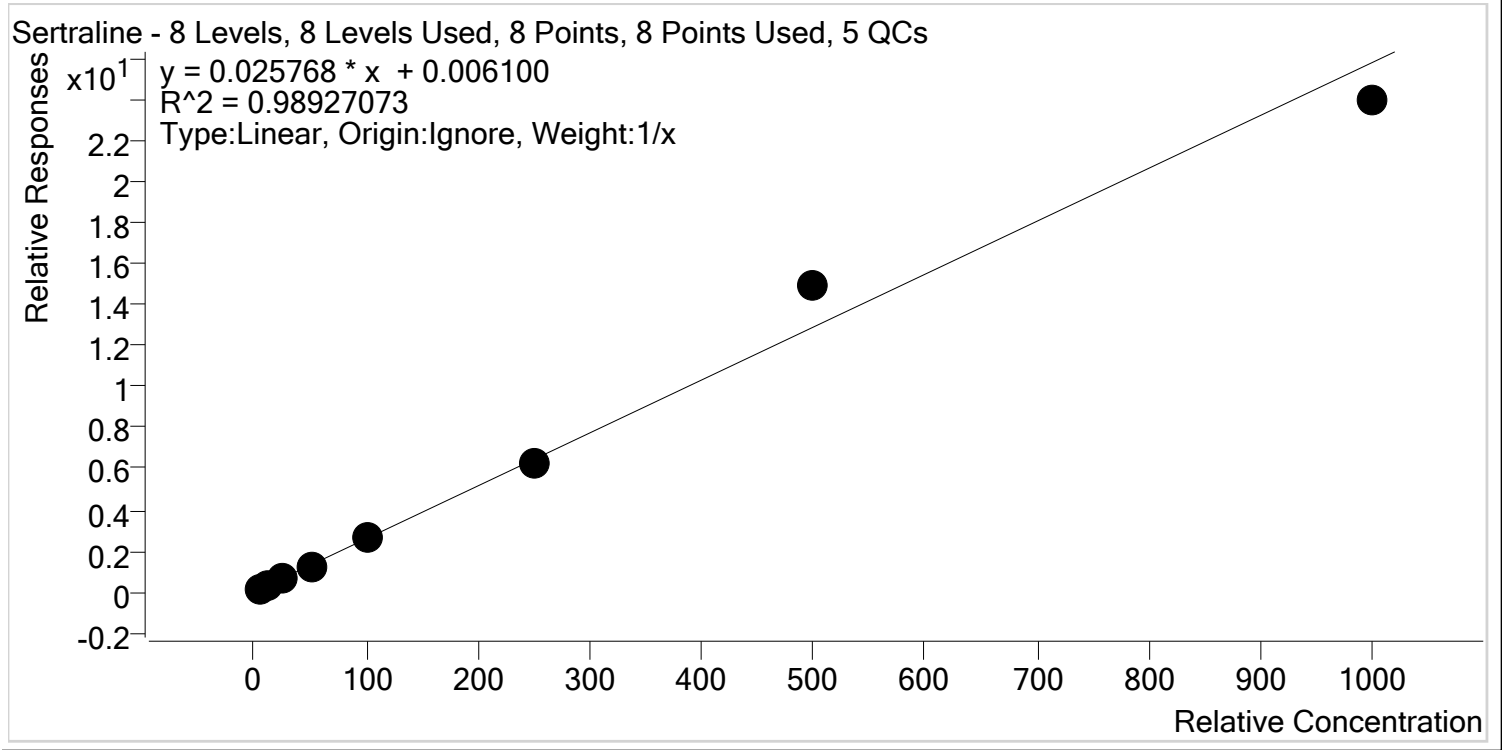


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1031.5	103.1



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



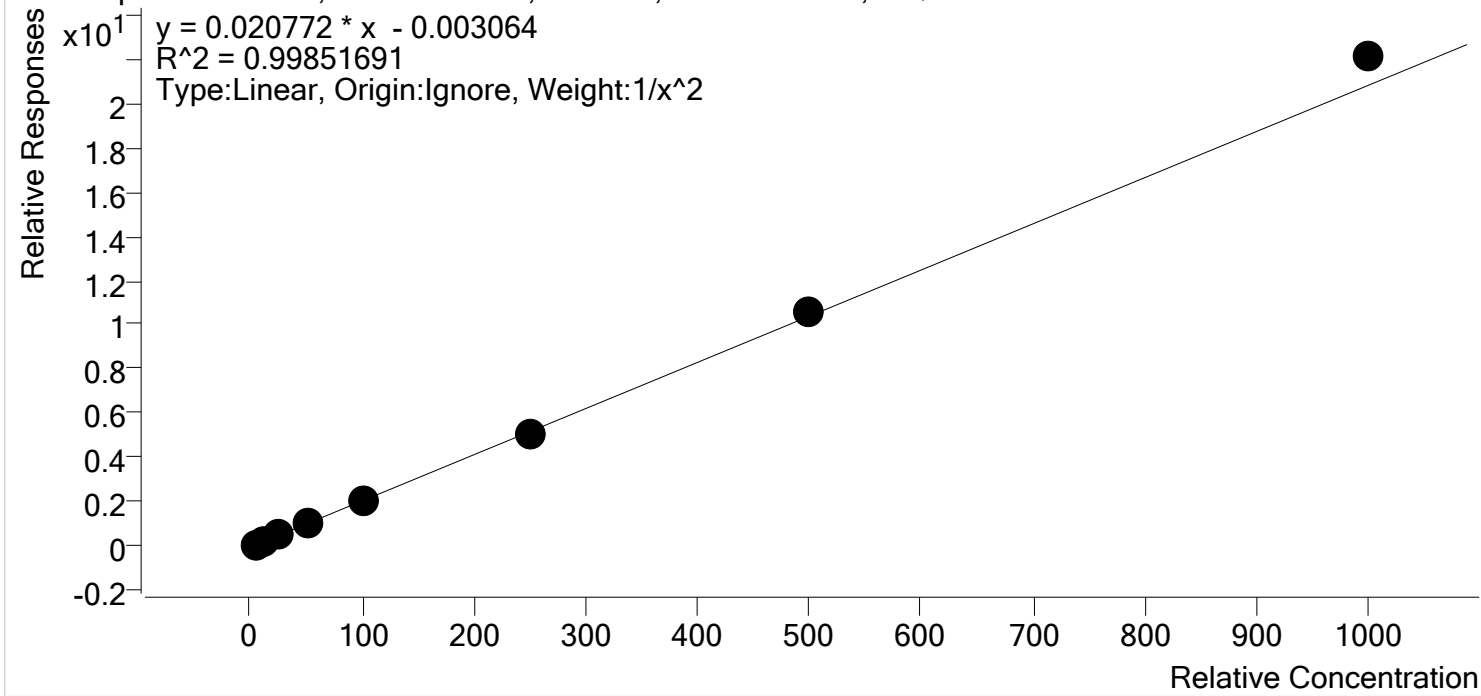
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	112.5
p1 Cal 2- 10ng	2	✓	10.0	9.3	93.4
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	45.3	90.5
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	244.2	97.7
p1 Cal 7-500ng	7	✓	500.0	581.1	116.2
p1 Cal 8-1000ng	8	✓	1000.0	928.1	92.8



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

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



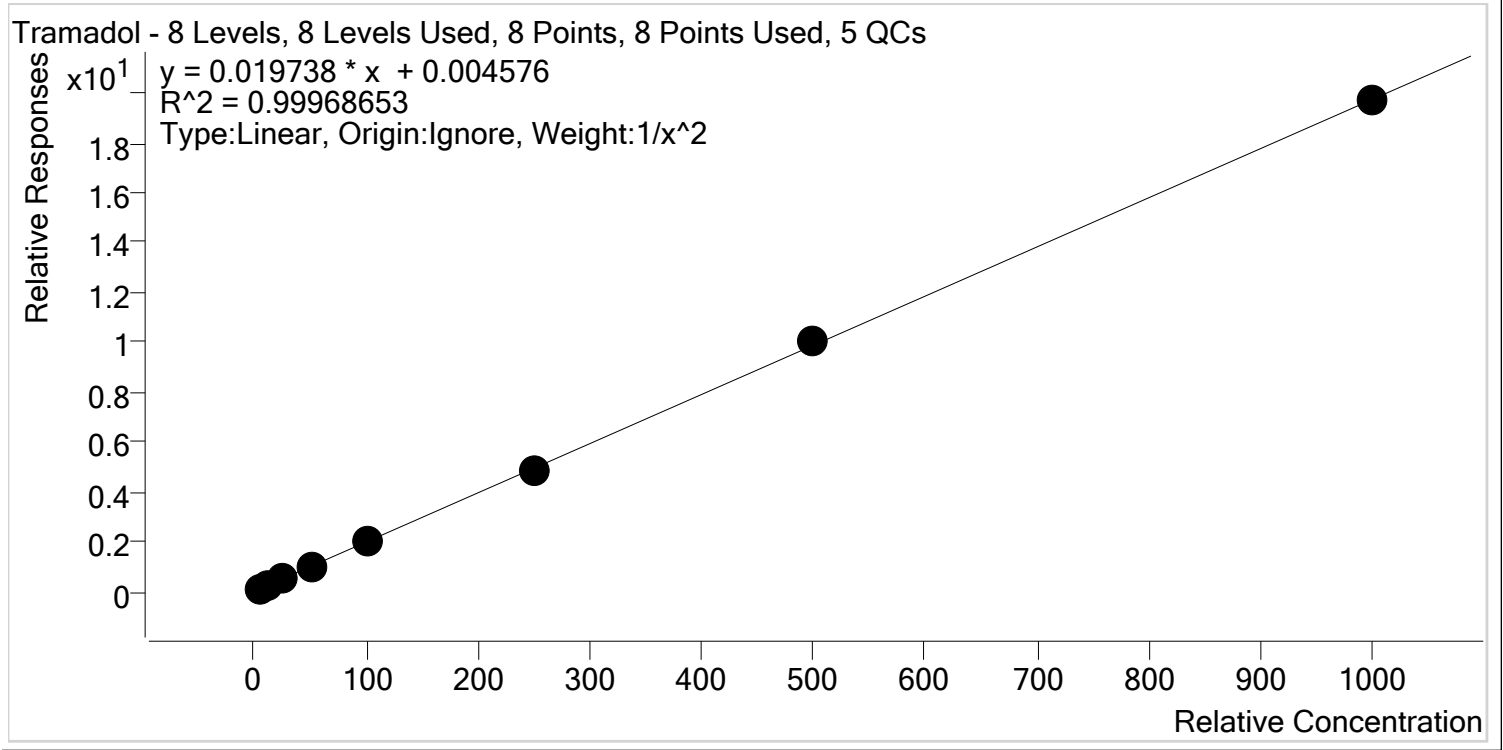
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	512.9	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1062.4	106.2





# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

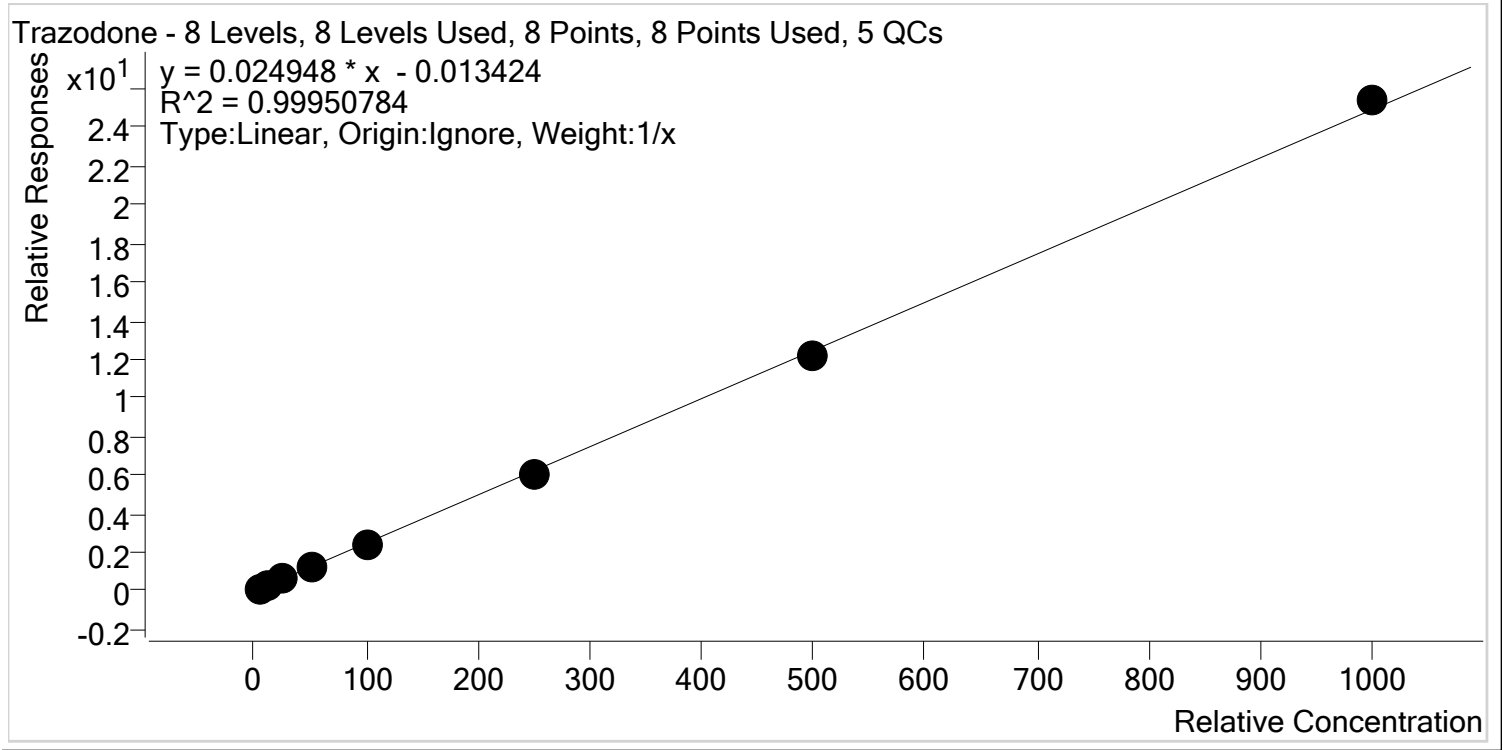


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	242.7	97.1
p1 Cal 7-500ng	7	✓	500.0	511.2	102.2
p1 Cal 8-1000ng	8	✓	1000.0	997.8	99.8



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

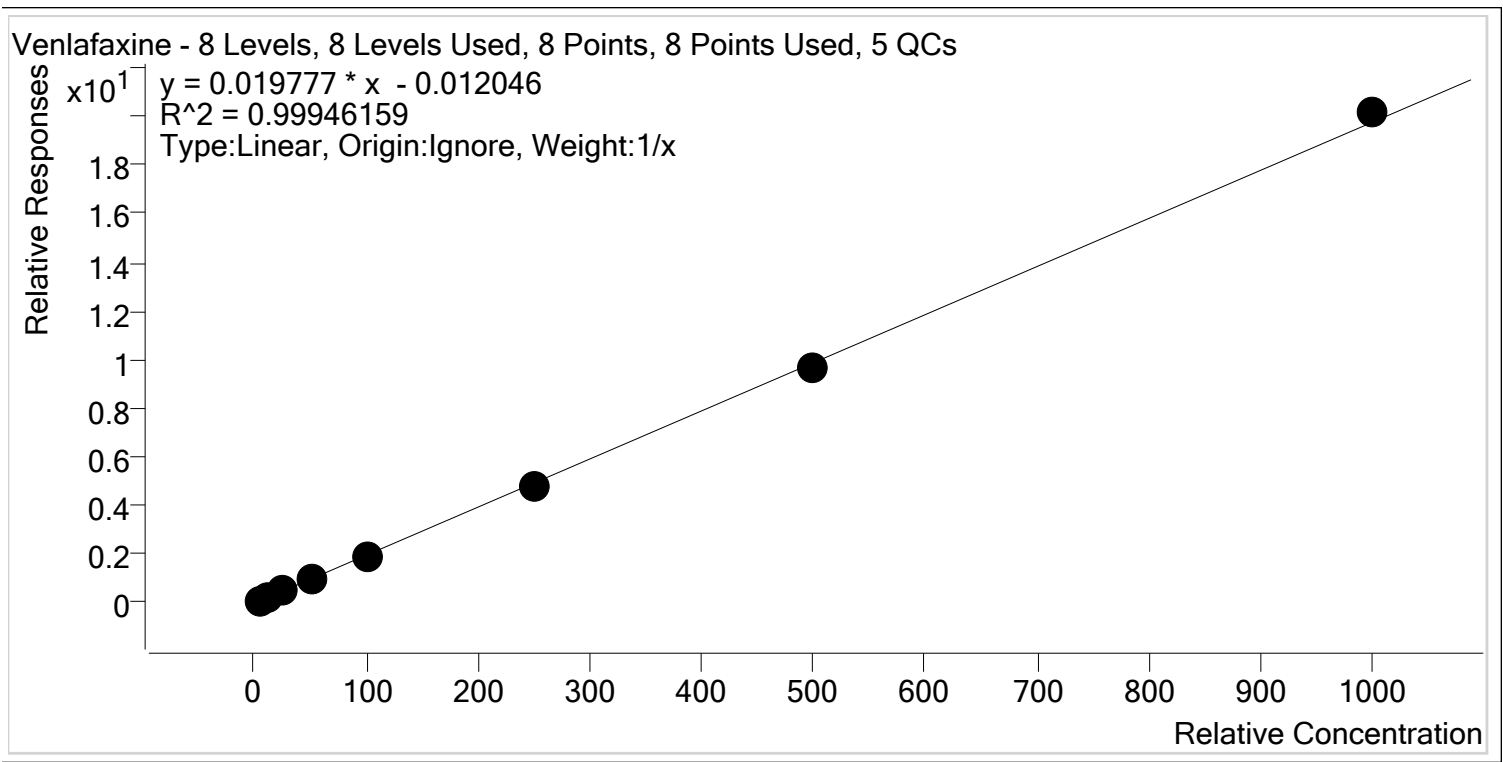


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.5
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	488.8	97.8
p1 Cal 8-1000ng	8	✓	1000.0	1018.9	101.9



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6

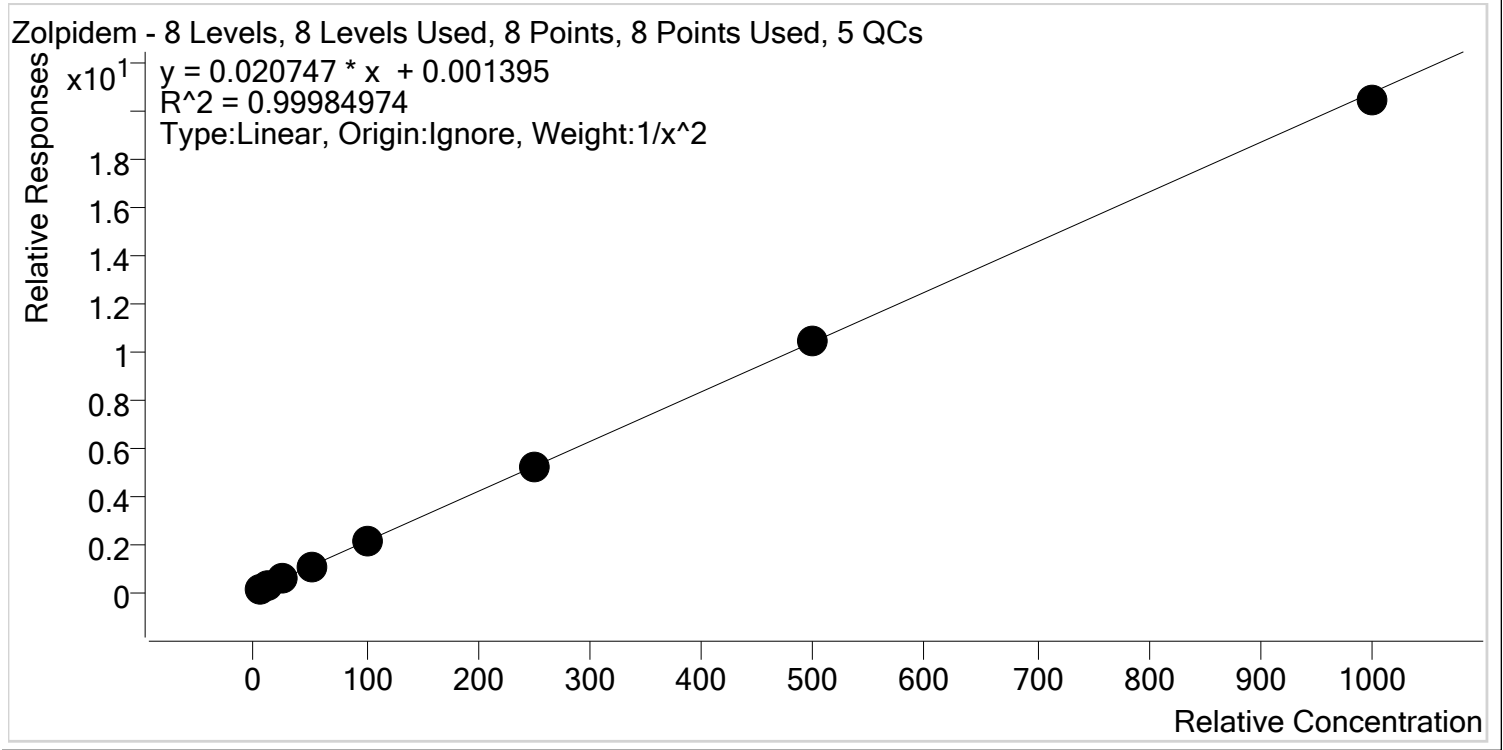


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	109.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	490.9	98.2
p1 Cal 8-1000ng	8	✓	1000.0	1020.2	102.0



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Last Cal. Update** 8/26/2020 9:29 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.8	101.7
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	499.7	99.9
p1 Cal 8-1000ng	8	✓	1000.0	983.9	98.4

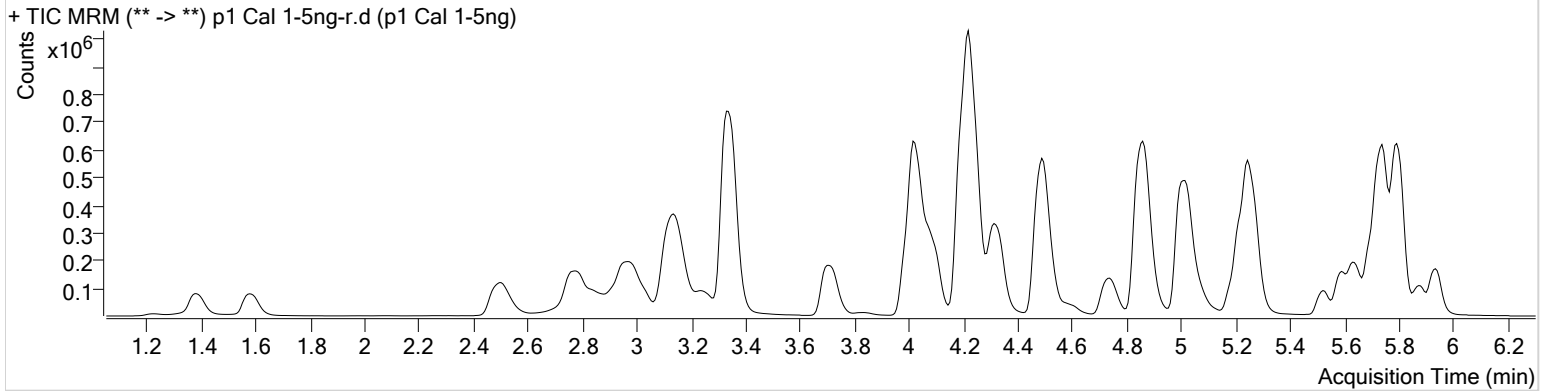
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 1-5ng-r.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-A5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/24/2020 12:32:59 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.112	2634	306.37	72.9	∞	106566	0.4965 ng/ml
7-aminoclonazepam	4.237	27638	3602.55	82.1	1308.82	205222	5.0505 ng/ml
a-hydroxyalprazolam	5.674	22684	741.23	62.0	263.18	106723	4.9785 ng/ml
alpha-PHP	4.902	23524	1746.94	276.1	1659.45	1000096	4.8335 ng/ml
alpha-PVP	4.329	118191	5370.94	50.2	175.16	1000096	5.2537 ng/ml
Alprazolam	5.758	72785	390.09	107.1	425.57	428094	5.5002 ng/ml
Amphetamine	3.004	178778	1722.59	48.0	1689.86	325370	4.7560 ng/ml
Benzoylecgonine	3.858	5170	766.88	9.0	77.59	31072	5.1545 ng/ml
Buprenorphine	5.823	1355	22.90	18.7	9.85	114314	0.5210 ng/ml
Bupropion	4.753	67785	166.92	61.2	604.59	442354	4.9912 ng/ml
Carisoprodol	5.707	56751	∞	53.5	297.90	534553	4.9425 ng/ml
Citalopram	5.196	40669	247.82	42.6	123844.51	359991	5.0893 ng/ml
Clonazepam	5.595	95530	2478.63	32.6	229.66	218779	4.9542 ng/ml
Cocaine	4.236	126756	7167.25	44.3	637.04	1800709	5.1320 ng/ml
Codeine	2.536	14419	153.99	102.2	26068.78	130204	4.9645 ng/ml
Cyclobenzaprine	5.612	6637	585.10	10.9	17.38	55428	4.9496 ng/ml
Dextromethorphan	5.233	17256	4008.88	78.6	729.02	158668	5.1083 ng/ml
Dextrorphan	4.090	29149	1819.31	215.4	1047.52	748745	4.9406 ng/ml
Diazepam	5.943	42497	157.09	87.4	518.36	406870	5.0006 ng/ml
Dihydrocodeine	2.515	37013	2229.11	63.8	1272.50	391471	4.9204 ng/ml
Diphenhydramine	5.260	90369	3243.61	31.7	786.24	1287636	5.1105 ng/ml
Doxylamine	4.508	232670	5241.20	97.4	10529.38	1873125	5.0578 ng/ml
EDDP	5.232	67275	1127.57	42.0	74.35	704242	5.0231 ng/ml
Fentanyl	5.053	1293	75.81	58.5	∞	119302	0.5082 ng/ml
Fluoxetine	5.697	4648	92.53	9.4	109.43	35909	4.5627 ng/ml
Hydrocodone	2.986	48002	134.78	38.2	82.06	563687	4.9164 ng/ml
Hydromorphone	1.587	41906	276.94	76.1	239.76	260117	4.9843 ng/ml
Ketamine	4.017	107366	2537.45	38.3	512.10	878436	4.9839 ng/ml
Lamotrigine	4.259	6348	171.40	86.5	422.56	878436	4.5862 ng/ml
Lorazepam	5.729	79893	∞	52.2	110.04	218779	4.5385 ng/ml
MDA	3.170	113326	827.71	21.7	242.38	479929	4.9487 ng/ml
MDMA	3.257	90766	50270.69	63.5	1401.03	167471	5.0198 ng/ml
Meprobamate	4.882	25384	∞	28.2	402.39	268766	4.8867 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	44843	1222.68	50.0	678.93	411993	5.0758 ng/ml
Methamphetamine	3.178	120793	164.34	41.5	133.10	1048525	4.7736 ng/ml
Metoprolol	4.292	20612	720.32	87.6	∞	2298813	5.0189 ng/ml
Mirtazapine	4.596	67889	3933.52	48.3	∞	1000096	4.9701 ng/ml
Mitragynine	5.188	5640	5260.78	41.6	1321.60	411993	4.7463 ng/ml
Morphine	1.233	6894	552.08	23.0	305.16	14894	4.9590 ng/ml
Norbuprenorphine	4.964	188	6.26 <b>Low</b>	88.2	16.12	16611	0.2419 ng/ml
Nordiazepam	5.882	37070	1197.74	58.0	1885.85	237916	4.9843 ng/ml
Norfentanyl	4.058	18522	646.33	39.2	55.52	1656921	0.5062 ng/ml
Norhydrocodone	3.034	4891	65.89	44.4	96.28	105542	5.0760 ng/ml
Noroxycodone	2.871	40694	387.75	47.6	18.05	281956	5.0358 ng/ml
O-desmethyl-tramadol	3.337	250394	5134.74	6.1	321.86	2639066	5.0619 ng/ml
Oxazepam	5.739	88983	1208.74	72.2	378.67	1026062	5.0057 ng/ml
Oxycodone	2.789	94933	717.15	30.3	416.14	786704	5.0233 ng/ml
Oxymorphone	1.383	41682	∞	47.5	336.00	279807	4.9230 ng/ml
Phentermine	3.736	27312	358.85	3.6	17.78	757598	4.9642 ng/ml
Promethazine	5.522	14511	1042.53	32.3	54.28	128095	5.3916 ng/ml
Quetiapine	5.539	34061	80312.92	57.4	∞	90065	5.0490 ng/ml
Sertraline	5.758	2222	128.14	81.6	184.68	14707	5.6257 ng/ml
Temazepam	5.806	152578	345.87	29.1	214.87	1494663	5.0618 ng/ml
Tramadol	4.211	236861	461.28	3.6	40.18	2298813	4.9884 ng/ml
Trazodone	5.120	30515	∞	76.3	∞	255635	5.3227 ng/ml
Venlafaxine	5.008	159104	10489.78	36.1	643.93	1662066	5.4493 ng/ml
Zolpidem	4.872	212614	30330.85	30.7	∞	2015053	5.0185 ng/ml

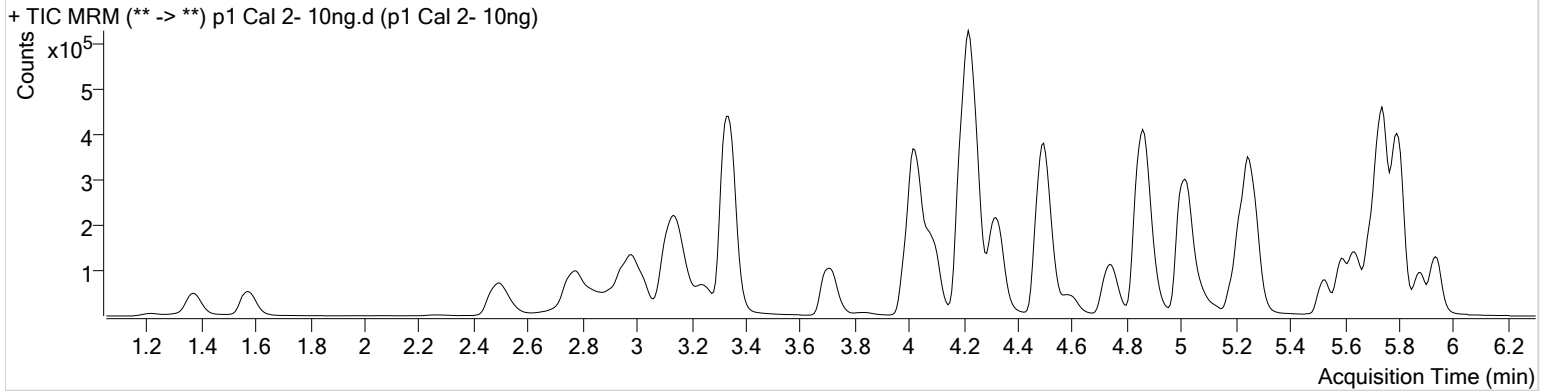
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 2- 10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2- 10ng
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-B5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/21/2020 10:00:06 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	2802	326.95	65.1	2323.85	57556	1.0199 ng/ml
7-aminoclonazepam	4.237	32256	1493.35	83.5	2634.87	123532	9.8243 ng/ml
a-hydroxyalprazolam	5.681	25801	349.47	60.0	196.56	62632	9.9386 ng/ml
alpha-PHP	4.902	26581	1764.93	263.8	∞	548291	10.1816 ng/ml
alpha-PVP	4.329	126859	1189.60	49.5	695.14	548291	10.0557 ng/ml
Alprazolam	5.758	85820	505.11	104.8	696.71	251932	10.1997 ng/ml
Amphetamine	3.004	187981	836.85	48.5	773.56	177971	10.3474 ng/ml
Benzoylcegonine	3.851	4659	148.83	9.2	108.49	16115	9.6013 ng/ml
Buprenorphine	5.816	1616	12.82	15.4	8.25 Low-OK <sub>ex</sub>	70234	0.9702 ng/ml
Bupropion	4.753	92420	2082.54	60.9	695.81	302254	9.9898 ng/ml
Carisoprodol	5.707	69615	∞	54.4	450.15	326836	10.0774 ng/ml
Citalopram	5.196	45693	909.26	43.2	18582.43	206220	9.9300 ng/ml
Clonazepam	5.595	112174	5400.50	33.1	954.84	129099	10.1166 ng/ml
Cocaine	4.236	139434	6929.18	43.9	616.74	985905	10.1735 ng/ml
Codeine	2.530	15354	842.45	103.4	24814.09	69484	10.1107 ng/ml
Cyclobenzaprine	5.612	9594	13446.72	8.9	∞	38086	10.3200 ng/ml
Dextromethorphan	5.239	20669	185.02	80.1	∞	95923	10.0674 ng/ml
Dextrorphan	4.090	31702	348.59	221.7	349.06	415389	9.6617 ng/ml
Diazepam	5.943	55472	317.59	86.7	2237.71	263573	10.0095 ng/ml
Dihydrocodeine	2.508	39437	2376.63	64.1	1216.25	209135	10.1344 ng/ml
Diphenhydramine	5.267	96764	525.14	32.6	932.11	677324	10.1486 ng/ml
Doxylamine	4.508	252754	14194.57	97.6	15175.70	1042182	9.8647 ng/ml
EDDP	5.232	77983	∞	43.0	253.99	414619	9.9351 ng/ml
Fentanyl	5.053	1372	25.21	75.9	2741.85	64952	0.9738 ng/ml
Fluoxetine	5.703	6694	3933.93	8.3	20.16	24363	10.6004 ng/ml
Hydrocodone	2.986	49656	1425.15	36.9	141.58	298823	10.0888 ng/ml
Hydromorphone	1.581	45745	780.71	76.7	722.72	143535	9.9982 ng/ml
Ketamine	4.017	111851	1305.20	39.1	155.42	474694	9.9715 ng/ml
Lamotrigine	4.246	8539	460.07	77.4	601.81	474694	11.2179 ng/ml
Lorazepam	5.736	94993	363.42	53.3	74.84	129099	10.1161 ng/ml
MDA	3.164	122126	1459.36	21.3	165.24	267116	10.0444 ng/ml
MDMA	3.257	92894	210973.00	64.0	∞	87249	9.8939 ng/ml
Meprobamate	4.882	32599	1369.72	27.5	119.39	171460	10.2344 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.643	52721	873.80	54.9	352.05	256156	9.7079 ng/ml
Methamphetamine	3.185	127242	260.59	41.0	330.38	548116	10.5879 ng/ml
Metoprolol	4.292	20769	54288.27	98.1	∞	1254036	9.6323 ng/ml
Mirtazapine	4.596	86989	807.28	49.3	∞	548291	9.9077 ng/ml
Mitragynine	5.194	8436	12828.40	38.6	3217.07	256156	10.6229 ng/ml
Morphine	1.220	7754	319.56	23.0	268.34	8366	10.0635 ng/ml
Norbuprenorphine	4.971	285	20.72	69.5	20.52	9396	1.0819 ng/ml
Nordiazepam	5.882	54104	2056.69	57.2	431.47	173901	10.0882 ng/ml
Norfentanyl	4.051	20031	477.10	38.1	91.97	904674	0.9889 ng/ml
Norhydrocodone	3.034	5425	293.92	40.7	∞	56275	9.9349 ng/ml
Noroxycodone	2.864	43163	428.17	49.2	17.51	152816	9.8237 ng/ml
O-desmethyl-tramadol	3.337	268629	814.61	6.1	302.02	1419382	9.9093 ng/ml
Oxazepam	5.739	102724	1558.59	72.0	∞	610463	9.8811 ng/ml
Oxycodone	2.789	98278	542.21	31.0	1220.40	418309	9.9137 ng/ml
Oxymorphone	1.376	43772	186.15	48.0	215.22	149786	10.1974 ng/ml
Phentermine	3.743	29930	∞	3.4	159.73	414135	9.9889 ng/ml
Promethazine	5.522	21243	903.51	31.3	58.69	97398	9.8664 ng/ml
Quetiapine	5.539	43901	1123.96	59.0	∞	59018	9.8242 ng/ml
Sertraline	5.765	2642	90.34	99.3	24.31	10703	9.3416 ng/ml
Temazepam	5.806	173584	335.94	29.5	92.40	849113	9.9889 ng/ml
Tramadol	4.211	253189	1141.05	3.3	102.26	1254036	9.9973 ng/ml
Trazodone	5.114	35490	∞	77.6	1727.00	145633	10.3061 ng/ml
Venlafaxine	5.014	167656	716.44	36.1	1600.62	881554	10.2253 ng/ml
Zolpidem	4.878	235881	53232.73	31.4	2440.00	1138670	9.9177 ng/ml



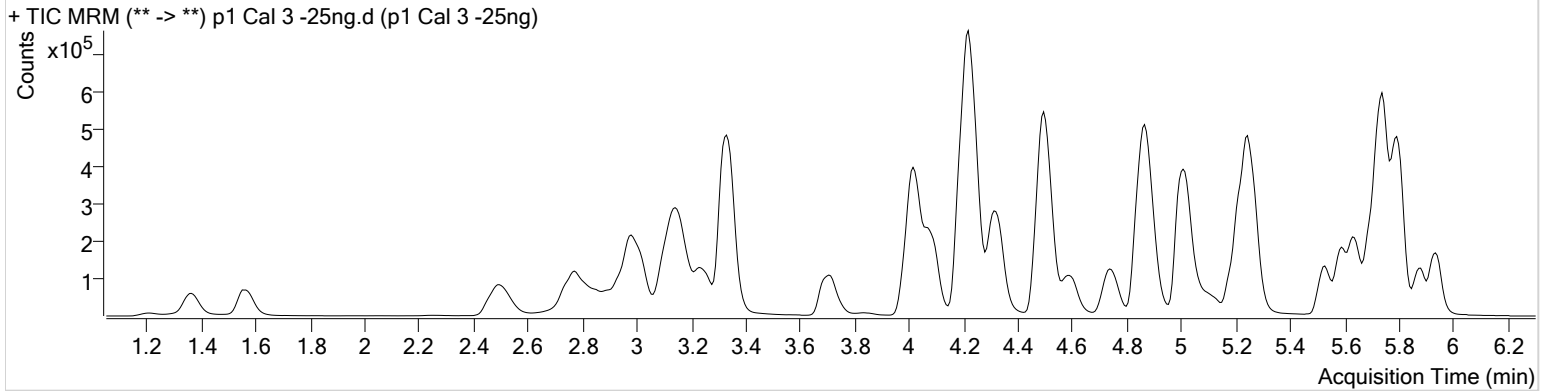
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 3 -25ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 3 -25ng
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-C5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/21/2020 10:10:43 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.099	6003	1000.70	75.6	3863.40	52068	2.4744 ng/ml
7-aminoclonazepam	4.237	82306	229.78	80.1	256.43	126399	24.5512 ng/ml
a-hydroxyalprazolam	5.674	55664	285.97	61.5	730.90	53896	25.3828 ng/ml
alpha-PPH	4.902	64304	4150.68	266.8	12038.52	510559	26.7815 ng/ml
alpha-PVP	4.329	289781	7319.53	50.6	6865.13	510559	24.3187 ng/ml
Alprazolam	5.758	186311	1540.24	105.4	1072.88	218802	24.2700 ng/ml
Amphetamine	2.990	445619	6542.85	48.8	∞	170859	27.4694 ng/ml
Benzoylcegonine	3.851	9396	440.76	8.1	31.06	13490	24.3672 ng/ml
Buprenorphine	5.823	4100	122.59	19.8	58.37	75290	2.2360 ng/ml
Bupropion	4.746	172690	4833.46	59.7	∞	225447	25.0715 ng/ml
Carisoprodol	5.707	147785	1392.69	55.7	3730.49	276122	25.5649 ng/ml
Citalopram	5.196	129227	991.47	41.7	276.62	233729	24.6982 ng/ml
Clonazepam	5.588	234890	17999.99	33.8	6106.37	111430	24.9145 ng/ml
Cocaine	4.229	312121	17549.52	45.0	6189.22	906969	24.5600 ng/ml
Codeine	2.523	33250	300.80	102.8	12327.53	62246	24.7327 ng/ml
Cyclobenzaprine	5.605	25168	4130.92	10.1	67.45	42436	24.1817 ng/ml
Dextromethorphan	5.233	56365	270.01	79.0	783.49	105970	24.7702 ng/ml
Dextrophan	4.084	83135	2684.73	207.2	838.10	416792	25.2111 ng/ml
Diazepam	5.943	127025	367.60	89.7	3400.80	241305	24.9374 ng/ml
Dihydrocodeine	2.508	84940	562.28	66.1	2269.05	183367	25.3651 ng/ml
Diphenhydramine	5.260	263709	14299.51	32.8	2564.02	749561	24.6334 ng/ml
Doxylamine	4.500	613698	24988.41	97.7	37453.60	1014509	24.5889 ng/ml
EDDP	5.225	196745	310.22	43.2	3642.55	419666	24.8337 ng/ml
Fentanyl	5.066	3802	123.35	71.0	4831.05	71053	2.4390 ng/ml
Fluoxetine	5.697	15599	42048.03	7.9	390.17	26092	24.0244 ng/ml
Hydrocodone	2.980	113944	245.44	37.6	79.98	277632	25.6823 ng/ml
Hydromorphone	1.567	96528	∞	79.6	1662.79	122539	24.9199 ng/ml
Ketamine	4.010	249617	1957.11	39.2	1771.97	426934	25.3230 ng/ml
Lamotrigine	4.246	18692	345.73	87.1	571.21	426934	27.1140 ng/ml
Lorazepam	5.729	205584	720.96	55.2	1538.71	111430	26.8066 ng/ml
MDA	3.150	300749	4241.44	21.2	582.91	266585	25.5098 ng/ml
MDMA	3.244	228874	37341.66	64.3	4329.29	84672	25.1705 ng/ml
Meprobamate	4.876	66267	474.15	26.6	392.84	141018	25.8729 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	149389	1930.33	52.4	∞	285352	24.8839 ng/ml
Methamphetamine	3.171	288006	847.90	41.7	1094.93	526805	26.2276 ng/ml
Metoprolol	4.292	50679	112446.50	98.1	1048.43	1160914	26.0872 ng/ml
Mirtazapine	4.589	234205	2661.11	48.8	∞	510559	26.2302 ng/ml
Mitragynine	5.194	24408	1247.86	38.1	18760.79	285352	26.6875 ng/ml
Morphine	1.213	15930	1230.95	22.7	360.80	6879	25.3397 ng/ml
Norbuprenorphine	4.950	661	88.63	79.9	100.57	10418	2.5422 ng/ml
Nordiazepam	5.882	121410	3708.68	59.0	1391.92	161997	24.4934 ng/ml
Norfentanyl	4.051	46260	∞	37.4	194.55	835500	2.4517 ng/ml
Norhydrocodone	3.027	12267	∞	42.4	35.75	50783	24.0222 ng/ml
Noroxycodone	2.858	98432	791.06	46.4	226.18	136993	24.9392 ng/ml
O-desmethyl-tramadol	3.337	578196	13364.05	5.9	757.02	1235813	24.2190 ng/ml
Oxazepam	5.739	223457	∞	73.6	2066.50	529467	25.0529 ng/ml
Oxycodone	2.776	217054	1304.75	31.0	1138.10	372247	24.8132 ng/ml
Oxymorphone	1.363	93372	2794.12	46.2	∞	132146	25.4518 ng/ml
Phentermine	3.736	74657	1175.46	3.2	34.66	405974	25.4737 ng/ml
Promethazine	5.522	60054	856.34	31.3	241.95	104788	25.0213 ng/ml
Quetiapine	5.532	122172	407.41	60.8	∞	64716	24.7630 ng/ml
Sertraline	5.765	6885	135.48	92.0	23616.99	11272	23.4683 ng/ml
Temazepam	5.799	372060	1174.65	30.5	376.17	754232	23.8951 ng/ml
Tramadol	4.211	585164	2256.36	3.3	1221.98	1160914	25.3058 ng/ml
Trazodone	5.114	91652	1604.28	78.6	11863.07	157150	23.9152 ng/ml
Venlafaxine	5.008	413885	5426.61	36.6	604.14	877778	24.4503 ng/ml
Zolpidem	4.878	552526	18714.92	30.8	20126.67	1070171	24.8184 ng/ml

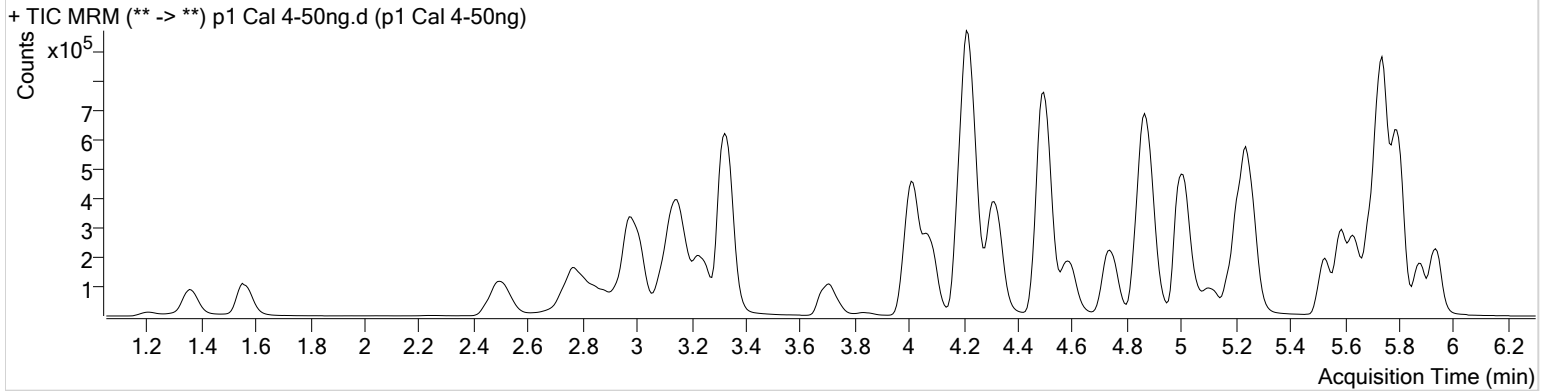
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 4-50ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 4-50ng
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-D5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/21/2020 10:21:20 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	11285	2862.08	73.9	1013.12	49634	4.9219 ng/ml
7-aminoclonazepam	4.230	136612	1771.87	81.6	513.93	101557	50.7552 ng/ml
a-hydroxyalprazolam	5.674	107771	185.30	63.2	1061.28	51740	51.5050 ng/ml
alpha-PHP	4.888	117868	∞	265.8	9535.04	468589	53.6931 ng/ml
alpha-PVP	4.322	550013	54276.08	50.3	476.97	468589	50.0353 ng/ml
Alprazolam	5.758	354082	1547.06	106.0	9832.47	206225	48.1073 ng/ml
Amphetamine	2.983	781635	4254.69	49.4	5415.60	152976	55.0675 ng/ml
Benzoylecgonine	3.845	17939	263.97	7.9	148.77	13510	47.2481 ng/ml
Buprenorphine	5.823	7702	106.25	17.5	46.67	66392	4.7141 ng/ml
Bupropion	4.746	398430	630.72	61.3	652.08	258252	50.5280 ng/ml
Carisoprodol	5.700	285234	32220.42	55.5	877.35	267252	51.1386 ng/ml
Citalopram	5.190	222266	1621.28	42.2	393.45	197693	50.1679 ng/ml
Clonazepam	5.588	467601	∞	32.9	∞	107253	51.8082 ng/ml
Cocaine	4.229	592724	49283.87	44.4	21619.35	839293	50.2575 ng/ml
Codeine	2.516	64313	987.11	104.1	153.15	57969	51.5908 ng/ml
Cyclobenzaprine	5.605	49559	66354.72	9.2	∞	40111	50.2855 ng/ml
Dextromethorphan	5.226	96760	10871.33	79.9	1190.83	90093	49.9599 ng/ml
Dextrorphan	4.084	145945	1038.07	209.2	810.54	357074	51.6338 ng/ml
Diazepam	5.943	235657	2697.80	87.0	7383.12	222538	50.0990 ng/ml
Dihydrocodeine	2.502	168241	787.27	64.3	907.78	176330	52.5875 ng/ml
Diphenhydramine	5.260	453559	579.46	32.8	393.44	635959	49.6833 ng/ml
Doxylamine	4.500	1119818	50500.04	96.8	∞	920375	49.4453 ng/ml
EDDP	5.225	363882	1274.31	42.6	446.40	384430	50.1876 ng/ml
Fentanyl	5.060	7408	280.44	63.3	12015.08	65511	5.1342 ng/ml
Fluoxetine	5.697	34624	74.21	8.1	95.85	27280	51.9203 ng/ml
Hydrocodone	2.973	215674	∞	38.7	∞	256537	53.1547 ng/ml
Hydromorphone	1.561	193830	642.89	74.0	763.53	118049	52.0961 ng/ml
Ketamine	4.010	467514	2093.93	39.7	3002.27	399700	51.0516 ng/ml
Lamotrigine	4.239	34382	∞	84.0	1941.81	399700	53.1431 ng/ml
Lorazepam	5.729	379597	1278.94	55.7	773.31	107253	52.3032 ng/ml
MDA	3.137	531483	3786.74	21.3	1131.14	236503	51.3053 ng/ml
MDMA	3.244	412838	36987.16	64.3	9352.13	76567	50.2422 ng/ml
Meprobamate	4.869	132241	∞	26.1	7990.04	141377	51.8887 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	258165	1053.58	53.7	506.21	246097	49.9860 ng/ml
Methamphetamine	3.165	512988	500.27	41.7	852.86	474400	52.8095 ng/ml
Metoprolol	4.285	94416	151635.43	93.1	∞	1081596	52.5914 ng/ml
Mirtazapine	4.589	410267	∞	49.3	16068.62	468589	48.9031 ng/ml
Mitragynine	5.194	42176	4096.41	38.5	24653.09	246097	52.9027 ng/ml
Morphine	1.206	31422	1594.80	22.5	145.66	6751	51.0641 ng/ml
Norbuprenorphine	4.950	1030	∞	83.3	102.04	9323	4.6208 ng/ml
Nordiazepam	5.882	225857	698.56	58.7	1709.85	143872	51.4536 ng/ml
Norfentanyl	4.044	84552	1481.70	37.9	186.18	764306	4.8844 ng/ml
Norhydrocodone	3.014	21717	268.02	43.5	32.13	43830	48.6664 ng/ml
Noroxycodone	2.852	189545	670.09	48.5	809.60	129260	50.8624 ng/ml
O-desmethyl-tramadol	3.330	1146998	14259.74	6.0	4158.48	1190582	49.6699 ng/ml
Oxazepam	5.732	430230	6982.27	71.5	1585.41	493254	51.9673 ng/ml
Oxycodone	2.769	426037	2479.94	31.3	1338.38	361905	50.2392 ng/ml
Oxymorphone	1.356	183945	∞	47.5	∞	132082	50.7099 ng/ml
Phentermine	3.729	133973	1222.21	3.1	75.92	360284	51.5481 ng/ml
Promethazine	5.522	114467	1674.03	31.1	626.75	102363	48.2941 ng/ml
Quetiapine	5.532	222502	3670.13	59.3	301122.80	57385	50.7440 ng/ml
Sertraline	5.765	15516	104.60	83.8	20839.32	13232	45.2708 ng/ml
Temazepam	5.799	717187	755.70	29.7	333.66	707126	48.9731 ng/ml
Tramadol	4.205	1080882	32285.36	3.5	305.34	1081596	50.3992 ng/ml
Trazodone	5.114	179388	940.67	76.5	2104.57	144988	50.1313 ng/ml
Venlafaxine	5.001	743818	2311.22	36.6	2855.94	789074	48.2722 ng/ml
Zolpidem	4.872	1024777	30392.31	30.9	824.21	970286	50.8400 ng/ml

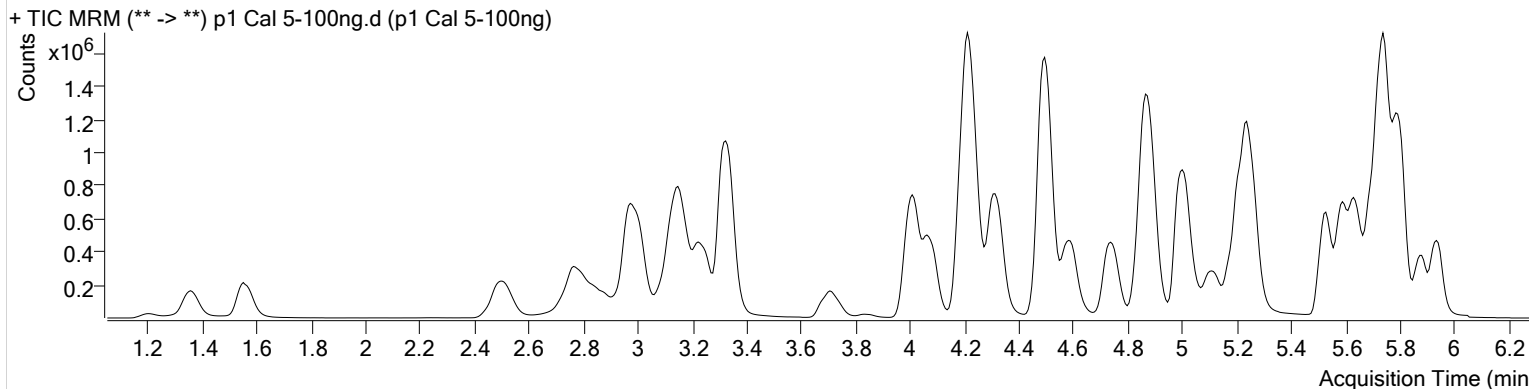
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-E5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/21/2020 10:31:54 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	26113	1177.21	71.8	562.66	56504	10.0488 ng/ml
7-aminoclonazepam	4.223	293135	1711.38	82.7	395.57	109196	101.3236 ng/ml
a-hydroxyalprazolam	5.674	235406	1754.53	62.1	744.33	57194	102.0757 ng/ml
alpha-PHP	4.888	280451	7807.68	265.2	34362.48	557622	107.5633 ng/ml
alpha-PVP	4.322	1281672	4283.05	50.6	3275.38	557622	97.7487 ng/ml
Alprazolam	5.758	805946	1525.26	104.6	2058.31	231257	96.8053 ng/ml
Amphetamine	2.983	1721181	12387.67	50.5	5670.12	178197	105.2609 ng/ml
Benzoylecgonine	3.838	42522	1160.68	7.5	409.31	15623	97.7663 ng/ml
Buprenorphine	5.823	24407	330.42	16.2	47.23	101571	9.7172 ng/ml
Bupropion	4.746	944128	21811.89	60.9	2707.00	304486	101.5825 ng/ml
Carisoprodol	5.700	635351	∞	54.1	994.41	297510	102.4852 ng/ml
Citalopram	5.183	596445	478.54	42.0	714.64	265717	100.1066 ng/ml
Clonazepam	5.588	1057500	32146.93	33.0	27370.35	124058	101.5441 ng/ml
Cocaine	4.223	1337899	9527334.21	45.5	25309.40	974984	97.5252 ng/ml
Codeine	2.523	144784	528.16	103.8	4075.09	66702	101.1317 ng/ml
Cyclobenzaprine	5.605	339678	154.70	9.2	159.80	139198	99.2335 ng/ml
Dextromethorphan	5.226	315882	242.17	79.2	1738.26	146902	99.9721 ng/ml
Dextrophan	4.077	339243	1126.08	209.8	1081.17	421565	101.6360 ng/ml
Diazepam	5.943	559547	1153.63	87.2	1022.08	266188	99.3845 ng/ml
Dihydrocodeine	2.495	374025	13146.22	64.8	8273.39	201374	102.6759 ng/ml
Diphenhydramine	5.253	1289829	264.23	32.3	297.30	912076	98.2748 ng/ml
Doxylamine	4.494	2628652	69482.23	97.6	73634.14	1084904	98.4547 ng/ml
EDDP	5.225	858503	467.87	43.4	2009.30	457990	99.4348 ng/ml
Fentanyl	5.060	32276	5768.71	64.7	1321.95	148524	9.8497 ng/ml
Fluoxetine	5.697	333431	21708.72	8.1	1798.34	137981	99.5903 ng/ml
Hydrocodone	2.966	473945	228.05	39.7	126.34	292855	102.8033 ng/ml
Hydromorphone	1.561	410662	∞	78.2	∞	130122	100.2631 ng/ml
Ketamine	4.003	1081488	651.09	40.0	2864.82	472372	100.3029 ng/ml
Lamotrigine	4.239	78370	4420.78	82.7	2285.11	472372	102.3726 ng/ml
Lorazepam	5.729	801251	∞	56.8	1568.32	124058	96.2356 ng/ml
MDA	3.137	1199706	2886.07	21.1	1791.69	267194	103.0009 ng/ml
MDMA	3.237	971870	13301.98	64.3	20336.06	91021	99.5269 ng/ml
Meprobamate	4.869	276407	669.89	26.9	3963.29	150613	102.1834 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	858011	10214.57	52.5	14782.73	406693	100.6520 ng/ml
Methamphetamine	3.165	1187034	704.99	42.2	1027.65	569058	102.7589 ng/ml
Metoprolol	4.285	214972	75518.10	95.7	∞	1267925	102.5493 ng/ml
Mirtazapine	4.589	1099727	5721.99	49.2	2260.69	557622	108.5555 ng/ml
Mitragynine	5.194	136444	199184.10	38.5	5369.22	406693	103.0214 ng/ml
Morphine	1.206	69070	1275.28	22.8	126.54	7495	101.2298 ng/ml
Norbuprenorphine	4.950	2959	117.67	82.1	130.57	13155	9.6728 ng/ml
Nordiazepam	5.882	536282	∞	58.0	1456.93	176446	99.7460 ng/ml
Norfentanyl	4.044	193445	12947.73	36.9	300.39	867959	9.8260 ng/ml
Norhydrocodone	3.021	47543	57.90	43.2	154.59	48139	96.4296 ng/ml
Noroxycodone	2.845	414960	918.12	48.8	946.56	142211	101.1775 ng/ml
O-desmethyl-tramadol	3.323	2603143	67761.39	6.1	1120.59	1375264	97.4070 ng/ml
Oxazepam	5.732	911111	9950.18	72.7	∞	540510	100.5980 ng/ml
Oxycodone	2.769	977107	3551.93	31.3	557.66	412094	101.3325 ng/ml
Oxymorphone	1.356	393800	∞	48.7	∞	140486	102.6368 ng/ml
Phentermine	3.729	316816	3480.84	3.3	279.41	431094	101.9121 ng/ml
Promethazine	5.522	721611	18717.02	31.2	388.83	317494	97.5843 ng/ml
Quetiapine	5.532	602987	30588.85	59.2	18731.19	79459	99.2092 ng/ml
Sertraline	5.772	146010	117.35	87.1	133.04	54907	102.9632 ng/ml
Temazepam	5.799	1661232	10314.21	30.0	2223.45	822313	97.4010 ng/ml
Tramadol	4.197	2487556	33870.03	3.4	1482.08	1267925	99.1674 ng/ml
Trazodone	5.114	616239	20163.69	77.7	664.79	257582	96.4331 ng/ml
Venlafaxine	5.001	1772201	2545.69	36.5	1267.93	932643	96.6887 ng/ml
Zolpidem	4.872	2424297	94281.02	31.1	∞	1166339	100.1196 ng/ml

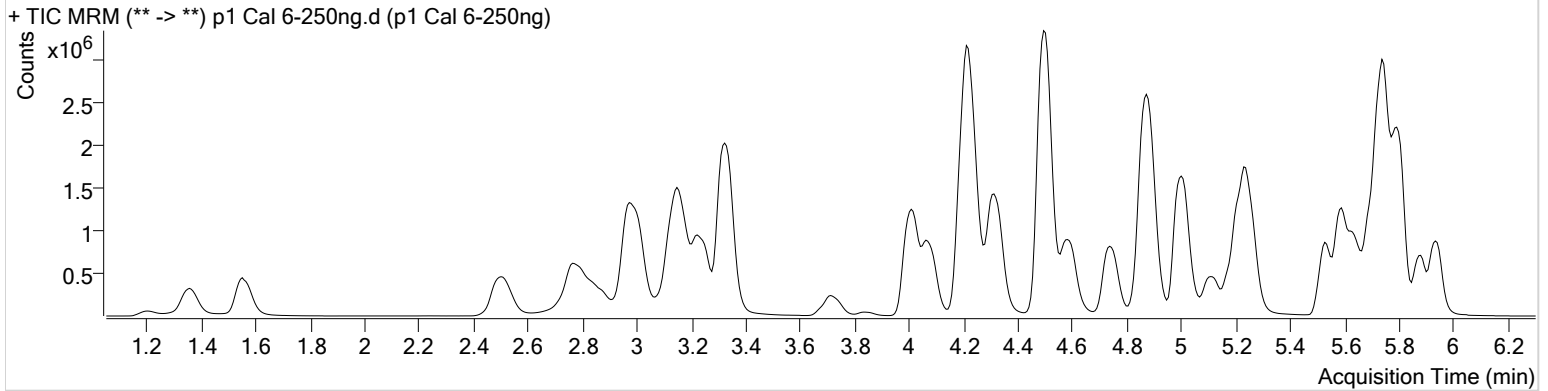
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 6-250ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 6-250ng
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-F5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/21/2020 10:42:28 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	62522	1232.04	71.7	6404.14	53843	25.3144 ng/ml
7-aminoclonazepam	4.230	701956	7232.87	81.7	1909.50	104878	252.6757 ng/ml
a-hydroxyalprazolam	5.674	537517	799.56	60.8	2242.91	51323	260.2143 ng/ml
alpha-PPH	4.895	562982	3033.58	265.6	35600.88	483994	249.0439 ng/ml
alpha-PVP	4.322	2818863	44287.84	49.9	14085.87	483994	247.3215 ng/ml
Alprazolam	5.758	1791984	972.21	105.8	11174.59	203012	243.9353 ng/ml
Amphetamine	2.997	3619184	18188.18	48.5	55501.41	153665	258.5492 ng/ml
Benzoylecgonine	3.838	102569	212.30	7.7	304.26	14812	250.0927 ng/ml
Buprenorphine	5.829	37445	1189.51	16.6	1219.68	60732	24.8638 ng/ml
Bupropion	4.739	1854147	1588.23	60.3	1687.82	243257	249.7535 ng/ml
Carisoprodol	5.700	1390875	3717.59	54.9	1163.74	265321	251.8071 ng/ml
Citalopram	5.183	1023504	1259.39	42.6	789.18	184387	247.4750 ng/ml
Clonazepam	5.588	2429164	61033.07	33.2	∞	116409	248.9583 ng/ml
Cocaine	4.229	2994256	53535.02	44.6	83118.17	853357	249.1610 ng/ml
Codeine	2.530	324420	771.51	105.3	813.10	60117	251.7392 ng/ml
Cyclobenzaprine	5.605	321670	31666.88	9.8	∞	51267	255.0188 ng/ml
Dextromethorphan	5.226	462674	16521.12	79.0	260.25	87562	245.5827 ng/ml
Dextrophan	4.077	727119	2210.04	211.5	2563.59	368189	249.3862 ng/ml
Diazepam	5.943	1266308	1992.00	87.5	3095.82	240129	249.2269 ng/ml
Dihydrocodeine	2.488	872435	764.47	64.5	736.65	189790	254.5914 ng/ml
Diphenhydramine	5.260	2200492	1672.22	32.5	55397.75	611778	249.5788 ng/ml
Doxylamine	4.500	6111920	122916.93	98.1	108732.38	988882	251.1298 ng/ml
EDDP	5.225	1733229	∞	44.1	446.87	371568	247.5094 ng/ml
Fentanyl	5.060	42118	6917.04	65.7	51171.52	78571	24.2699 ng/ml
Fluoxetine	5.697	265432	5267.12	8.5	750.65	42083	261.2561 ng/ml
Hydrocodone	2.959	1055295	∞	37.9	∞	274503	244.9233 ng/ml
Hydromorphone	1.561	957066	1090.16	78.7	∞	123777	245.8507 ng/ml
Ketamine	4.003	2483462	58644.23	39.6	894.70	435379	250.4842 ng/ml
Lamotrigine	4.246	169126	1911.99	82.0	5122.55	435379	239.5195 ng/ml
Lorazepam	5.729	1472998	∞	56.2	8902.01	116409	189.4585 ng/ml
MDA	3.130	2428743	22578.65	20.5	4738.77	220040	253.9264 ng/ml
MDMA	3.237	2121586	15871.86	65.1	79582.68	80566	245.5114 ng/ml
Meprobamate	4.869	594480	24151.57	26.2	606.27	132260	250.8350 ng/ml



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	1283850	33902.21	52.4	736.27	246235	248.9302 ng/ml
Methamphetamine	3.165	2509535	1891.95	42.0	1868.63	496688	250.2557 ng/ml
Metoprolol	4.285	473338	31646.45	97.0	10901.24	1161891	247.0039 ng/ml
Mirtazapine	4.589	2055823	19170.46	49.1	4509.60	483994	232.3303 ng/ml
Mitragynine	5.188	198901	42311.03	37.9	621564.16	246235	247.2453 ng/ml
Morphine	1.206	165639	∞	22.7	687.62	7343	247.9836 ng/ml
Norbuprenorphine	4.951	4872	943.95	89.8	4028.50	8664	24.5673 ng/ml
Nordiazepam	5.882	1199166	∞	58.0	2367.10	156597	251.5158 ng/ml
Norfentanyl	4.044	444287	2641.35	37.8	2524.39	791733	24.7189 ng/ml
Norhydrocodone	3.021	98865	238.21	43.0	270.11	39559	243.1312 ng/ml
Noroxycodone	2.845	929602	529.20	48.2	2143.98	129397	249.0564 ng/ml
O-desmethyl-tramadol	3.327	6259312	374190.02	5.9	1459.11	1291818	249.0524 ng/ml
Oxazepam	5.732	1859819	27299.79	71.5	7919.76	431007	257.7976 ng/ml
Oxycodone	2.762	2277625	1987.91	31.1	∞	388165	250.9738 ng/ml
Oxymorphone	1.356	911026	1146.12	46.7	1052.91	137313	243.6971 ng/ml
Phentermine	3.730	697752	∞	3.2	945.85	380194	254.5544 ng/ml
Promethazine	5.515	770455	4934.25	31.3	7452.69	133236	247.4207 ng/ml
Quetiapine	5.532	1094778	94266.99	60.9	∞	58046	246.4063 ng/ml
Sertraline	5.765	134444	113.30	92.5	115.05	21347	244.1789 ng/ml
Temazepam	5.802	3805709	∞	30.3	6941.10	739669	247.8386 ng/ml
Tramadol	4.205	5570165	227180.21	3.4	831.80	1161891	242.6563 ng/ml
Trazodone	5.114	1014484	7701.26	76.8	519.92	165526	246.2018 ng/ml
Venlafaxine	5.001	3955642	3820.25	36.3	1039.83	822382	243.8164 ng/ml
Zolpidem	4.873	5463730	58932.46	30.4	5708.40	1042042	252.6609 ng/ml



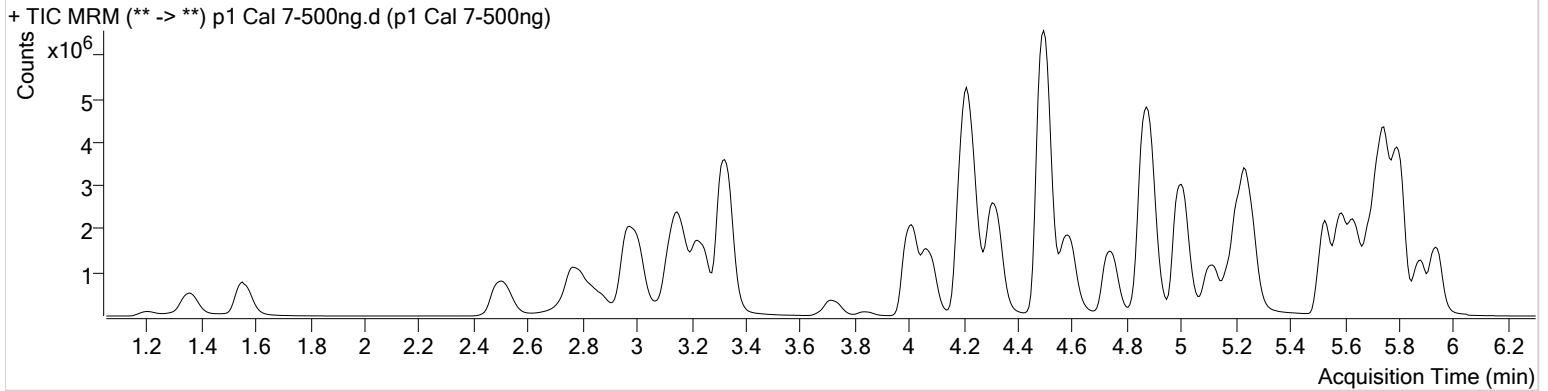
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-G5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/21/2020 10:53:04 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	125337	5209.43	71.1	52295.95	53845	50.7883 ng/ml
7-aminoclonazepam	4.230	1145947	4668.76	82.5	5003.32	87171	496.3148 ng/ml
a-hydroxyalprazolam	5.668	897163	1505.09	62.7	992.33	45265	492.7285 ng/ml
alpha-PHP	4.895	1064363	14898.31	265.1	12440.22	466680	488.5050 ng/ml
alpha-PVP	4.320	5477871	3937.50	49.6	69432.95	466680	498.2056 ng/ml
Alprazolam	5.756	3165598	2281.32	105.1	2502.28	177482	492.0710 ng/ml
Amphetamine	2.997	5706065	18900.28	49.3	22574.84	137075	457.9730 ng/ml
Benzoylecgonine	3.838	226558	508.81	7.7	194.67	15890	515.8678 ng/ml
Buprenorphine	5.829	88745	509.69	15.8	638.65	67117	53.2714 ng/ml
Bupropion	4.739	3510540	205979.68	61.0	56229.72	230294	499.5164 ng/ml
Carisoprodol	5.700	2223325	1837.09	54.6	1566.49	222131	480.9240 ng/ml
Citalopram	5.183	2209422	963.18	42.1	1047.20	195288	504.3442 ng/ml
Clonazepam	5.588	4248879	60308.18	32.5	129025.63	102479	494.9044 ng/ml
Cocaine	4.223	5457924	89018.46	44.5	196384.30	784952	493.6152 ng/ml
Codeine	2.530	584187	1125.18	103.5	1819.47	54227	502.7442 ng/ml
Cyclobenzaprine	5.605	1139866	681.98	9.6	2675.67	91295	507.3796 ng/ml
Dextromethorphan	5.226	1073321	26270.41	79.7	6879.23	100764	495.0117 ng/ml
Dextrorphan	4.077	1388383	940.49	215.0	39297.43	355508	493.1466 ng/ml
Diazepam	5.943	2429354	6058.91	87.2	∞	227949	503.6097 ng/ml
Dihydrocodeine	2.488	1670972	22212.64	64.7	1179.23	187255	494.5232 ng/ml
Diphenhydramine	5.253	4850701	842.78	32.5	866.06	672290	500.3978 ng/ml
Doxylamine	4.494	12465258	227211.86	97.4	227901.99	994433	509.3090 ng/ml
EDDP	5.218	3622976	1021.80	43.1	563.22	387081	496.6825 ng/ml
Fentanyl	5.060	118693	13241.92	70.1	152913.05	106788	50.3039 ng/ml
Fluoxetine	5.697	953254	14682.58	7.9	∞	79236	499.0572 ng/ml
Hydrocodone	2.959	1962944	594.56	36.8	507.47	252475	495.8591 ng/ml
Hydromorphone	1.553	1815577	∞	75.2	∞	115975	497.9060 ng/ml
Ketamine	4.004	4795282	3277.33	39.1	1685.55	427130	493.3764 ng/ml
Lamotrigine	4.246	288153	2985.63	79.6	15173.38	427130	415.8714 ng/ml
Lorazepam	5.722	1984298	4665.14	54.2	∞	102479	290.4219 ng/ml
MDA	3.123	4054534	7542.54	19.9	2179.68	188069	496.4368 ng/ml
MDMA	3.237	4079000	126872.72	64.6	16404.33	75940	500.8128 ng/ml
Meprobamate	4.855	890549	25027.37	26.6	3820.14	110351	450.6726 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	3194449	791.90	52.5	1227.43	300304	507.9930 ng/ml
Methamphetamine	3.165	4285406	22776.00	41.7	2126.60	445348	477.4773 ng/ml
Metoprolol	4.285	871573	121277.74	95.9	∞	1041707	507.7398 ng/ml
Mirtazapine	4.589	4470564	357715.02	49.0	189628.37	466680	522.3632 ng/ml
Mitragynine	5.188	469048	29704.00	38.1	23164.42	300304	477.5479 ng/ml
Morphine	1.206	305137	∞	23.4	∞	6828	491.4550 ng/ml
Norbuprenorphine	4.951	11064	1166.93	78.9	∞	9402	51.6908 ng/ml
Nordiazepam	5.882	2240042	2038.87	57.7	1633.48	148217	496.5303 ng/ml
Norfentanyl	4.037	841277	13762.35	37.6	7099.53	739860	50.0736 ng/ml
Norhydrocodone	3.021	176055	2155.35	42.3	219.95	32473	526.7498 ng/ml
Noroxycodone	2.852	1633706	1944.10	47.2	349.54	114243	495.7272 ng/ml
O-desmethyl-tramadol	3.324	12242922	340822.69	5.8	33738.37	1232099	510.5472 ng/ml
Oxazepam	5.732	2583611	∞	73.4	∞	317716	485.9837 ng/ml
Oxycodone	2.762	4443953	4116.34	31.0	2044.43	381833	497.9429 ng/ml
Oxymorphone	1.356	1631048	1239.36	47.4	∞	123224	486.7451 ng/ml
Phentermine	3.723	1264723	∞	3.2	∞	357718	490.4223 ng/ml
Promethazine	5.522	2729654	483.20	30.4	348.83	235036	496.3559 ng/ml
Quetiapine	5.532	2528985	48822.10	60.3	49627.15	66518	496.6034 ng/ml
Sertraline	5.772	506184	3761.98	91.0	7994.98	33794	581.0620 ng/ml
Temazepam	5.799	7194030	7167.65	28.9	9802.00	675445	512.8844 ng/ml
Tramadol	4.190	10514501	3558.72	3.3	1614.67	1041707	511.1520 ng/ml
Trazodone	5.114	2708688	∞	78.1	975.69	222374	488.7828 ng/ml
Venlafaxine	5.001	7944777	2953.26	35.8	1517.56	819338	490.8975 ng/ml
Zolpidem	4.872	11123755	2594.91	29.8	108905.49	1072942	499.6505 ng/ml

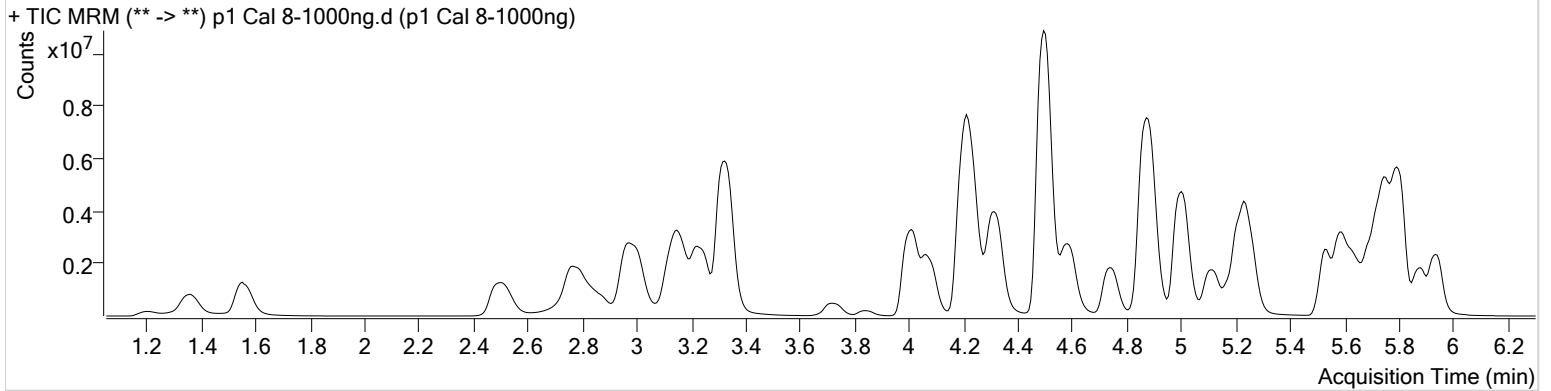
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\AM 27-28 082120 CS\QuantResults\MDQ P1.batch.bin  
**Calibration Last Update** 8/26/2020 9:29:48 AM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P5-H5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	8/21/2020 11:03:38 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	231873	2566.31	71.6	1933.66	51666	97.9605 ng/ml
7-aminoclonazepam	4.237	1651829	7539.33	82.4	7661.87	62758	993.7534 ng/ml
a-hydroxyalprazolam	5.668	1448103	11604.41	60.9	655.86	39228	917.9602 ng/ml
alpha-PHP	4.895	1418915	∞	267.3	11396.00	370153	821.1982 ng/ml
alpha-PVP	4.322	8784693	9382.83	49.7	203340.75	370153	1007.0609 ng/ml
Alprazolam	5.758	5202037	5762.90	106.1	∞	140704	1019.1112 ng/ml
Amphetamine	3.004	7683733	37211.87	49.2	36133.57	104342	811.1712 ng/ml
Benzoylecgonine	3.838	514045	1778.27	7.7	9636.23	17243	1079.5542 ng/ml
Buprenorphine	5.829	79372	629.22	17.2	∞	28568	111.8867 ng/ml
Bupropion	4.743	4366835	135091.05	61.1	4982.01	146696	975.4861 ng/ml
Carisoprodol	5.700	3352907	6681.03	54.0	1599.42	167068	964.4577 ng/ml
Citalopram	5.183	2564697	2588.67	42.3	75943.55	114532	998.1888 ng/ml
Clonazepam	5.588	6901980	3690.04	32.4	26870.87	85513	963.6835 ng/ml
Cocaine	4.229	8895814	164887.49	43.8	116069.31	625446	1009.5756 ng/ml
Codeine	2.530	951534	6890.63	104.3	370.01	46696	951.1385 ng/ml
Cyclobenzaprine	5.605	767717	27751.01	10.1	∞	31900	977.9320 ng/ml
Dextromethorphan	5.226	1051499	781.24	79.0	20898.17	48401	1009.5278 ng/ml
Dextrophan	4.077	2145131	27804.79	213.9	91273.43	269686	1004.3841 ng/ml
Diazepam	5.943	3970215	∞	87.3	2550.20	187320	1001.4806 ng/ml
Dihydrocodeine	2.481	2841690	62836.59	65.5	65315.75	174651	901.9545 ng/ml
Diphenhydramine	5.260	5668751	134882.99	32.0	829.54	392198	1002.1728 ng/ml
Doxylamine	4.494	21427692	344358.83	97.3	245721.49	852010	1021.8369 ng/ml
EDDP	5.218	6051546	207429.15	42.2	1870.28	312695	1027.0276 ng/ml
Fentanyl	5.060	110178	2134.45	66.4	108095.34	47682	104.5582 ng/ml
Fluoxetine	5.697	519677	10805.78	8.7	1197.91	21815	988.9886 ng/ml
Hydrocodone	2.953	3206430	∞	39.4	∞	222874	917.9985 ng/ml
Hydromorphone	1.553	3096779	∞	77.0	1033.14	100236	982.7499 ng/ml
Ketamine	4.006	8351004	3520.46	38.5	1301.45	374481	980.4020 ng/ml
Lamotrigine	4.246	394060	∞	80.2	3743.26	374481	648.6018 ng/ml
Lorazepam	5.722	1919121	87.90	54.6	78.21	85513	336.7626 ng/ml
MDA	3.123	5399134	452240.01	19.9	1581.37	135092	920.7287 ng/ml
MDMA	3.237	6487203	44755.15	64.5	23886.13	59532	1016.0481 ng/ml
Meprobamate	4.855	1209701	114333.90	26.0	3465.99	88736	761.5724 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	3346428	75123.82	51.8	1126.26	159709	1000.7518 ng/ml
Methamphetamine	3.158	6273954	3009.28	41.7	4095.20	347147	897.6214 ng/ml
Metoprolol	4.285	1302814	∞	96.2	18672.22	870376	908.6975 ng/ml
Mirtazapine	4.589	6308484	22280.95	48.4	217140.42	370153	928.3421 ng/ml
Mitragynine	5.188	464425	54363.88	38.5	23750.63	159709	888.6034 ng/ml
Morphine	1.206	548934	∞	23.2	∞	6161	979.8427 ng/ml
Norbuprenorphine	4.951	11206	1570.70	79.1	17615.88	4967	99.3241 ng/ml
Nordiazepam	5.882	3510313	4269.91	58.2	21092.47	116635	988.9241 ng/ml
Norfentanyl	4.037	1383136	20279.28	37.2	7622.32	570081	106.8274 ng/ml
Norhydrocodone	3.021	271475	402.44	46.0	∞	24712	1066.7631 ng/ml
Noroxycodone	2.845	2521329	4954.39	48.3	3523.47	87734	996.1934 ng/ml
O-desmethyl-tramadol	3.323	22330156	6685.86	5.7	683.57	1099665	1043.1478 ng/ml
Oxazepam	5.726	3002295	∞	71.2	∞	186908	960.1457 ng/ml
Oxycodone	2.769	8183916	4673.70	30.8	944.84	352464	993.5541 ng/ml
Oxymorphone	1.356	2795663	942.63	47.2	∞	104037	988.7390 ng/ml
Phentermine	3.729	1906408	∞	3.1	2854.49	281279	940.1764 ng/ml
Promethazine	5.515	1820082	1533.37	31.0	5082.96	76969	1010.0657 ng/ml
Quetiapine	5.536	3891288	244542.61	59.5	40378.30	49271	1031.4626 ng/ml
Sertraline	5.765	192923	965.29	91.1	25049.23	8065	928.0895 ng/ml
Temazepam	5.799	11839982	63763.10	28.5	24795.88	536600	1062.3618 ng/ml
Tramadol	4.190	17144909	3153.55	3.2	6120.96	870376	997.7713 ng/ml
Trazodone	5.114	3884859	98710.03	78.3	1057.28	152909	1018.9069 ng/ml
Venlafaxine	5.001	13254324	224158.63	34.6	2936.74	657301	1020.2004 ng/ml
Zolpidem	4.872	19932603	255342.14	29.4	6547.76	976461	983.8506 ng/ml