

**REVIEWED**

By Sarah Pickle at 9:03 am, Jul 02, 2020

**Worklist: 4342**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-1664	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1784	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1833	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1917	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1960	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2102	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2198	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2318	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1464	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1740	2	CBUK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1742	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1746	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1754	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1798	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1803	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1804	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1807	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1809	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1819	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1831	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1834	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 4342**

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2020-1837	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 06/29/2020

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

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

**LCMS-QQQ ID:** 069901

### Pre-Analytic:

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

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5M 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. 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:

Curve limits: Amphetamine: 5-250, Dihydrocodeine: 5-500, Lamotrigine: 5-250, Lorazepam: 5-100, Meprobamate: 5-500, Norfentanyl: 0.5-50, and MDA: 5-500. QC1000 was reinjected as there was no ISTD response in the first injection.

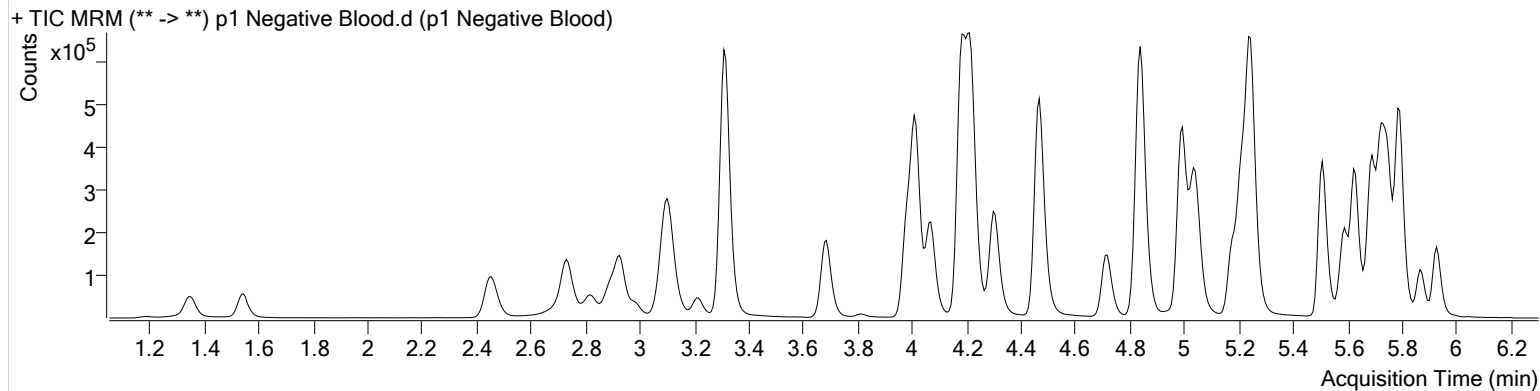
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

<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>	P1-C11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/30/2020 1:45:22 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



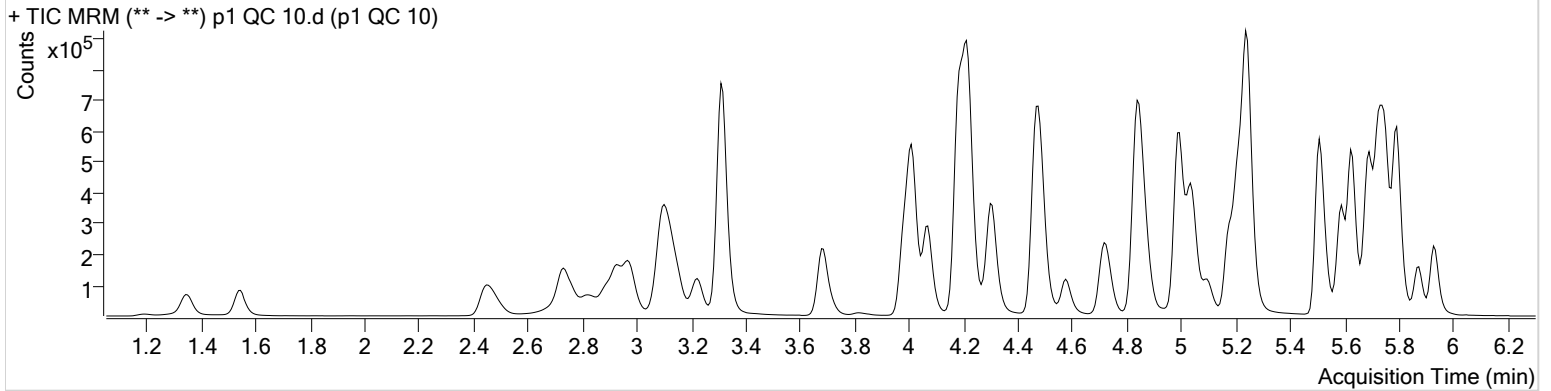
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-H11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/30/2020 12:10:01 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	3282	11059.70	68.7	102.79	67074	1.0352 ng/ml
7-aminoclonazepam	4.223	72894	492.07	80.4	303.42	263859	10.2368 ng/ml
a-hydroxyalprazolam	5.674	31650	983.98	61.5	470.66	71133	10.6800 ng/ml
alpha-PVP	4.308	163900	1403.46	50.9	1793.01	691441	10.1362 ng/ml
Alprazolam	5.751	101188	956.86	106.9	524.31	285210	10.0749 ng/ml
Amphetamine	2.977	253377	3552.34	51.9	3167.37	264984	9.8387 ng/ml
Benzoylcegonine	3.838	5364	565.16	8.1	85.21	18519	9.9720 ng/ml
Buprenorphine	5.802	5498	82.94	16.6	58.63	207977	1.0567 ng/ml
Bupropion	4.733	153305	4341.25	60.2	997.62	496851	9.9055 ng/ml
Carisoprodol	5.700	96073	2191.32	54.6	1580.58	445244	9.9634 ng/ml
Citalopram	5.176	112053	355.92	41.8	831.66	490615	10.0219 ng/ml
Clonazepam	5.588	127666	15778.24	33.5	917.51	149076	10.1075 ng/ml
Cocaine	4.216	162585	11431.19	46.6	660.26	1198094	10.2362 ng/ml
Codeine	2.503	18718	1179.08	101.2	300.88	85443	9.8867 ng/ml
Cyclobenzaprine	5.592	98653	122140.49	9.2	∞	367063	10.2589 ng/ml
Dextromethorphan	5.212	65181	6730.45	79.0	495.06	297574	10.1523 ng/ml
Dextrorphan	4.070	43563	1738.92	217.3	1693.86	557953	9.9506 ng/ml
Diazepam	5.936	76321	703.83	85.7	2058.33	351140	10.4619 ng/ml
Dihydrocodeine	2.481	46690	1103.91	63.9	3220.01	246621	10.1828 ng/ml
Diphenhydramine	5.247	265891	8582.57	32.9	643.29	1742196	10.4279 ng/ml
Doxylamine	4.487	362112	15971.46	98.1	1399.57	1489162	9.2312 ng/ml
EDDP	5.211	97134	1326.92	42.3	287.38	515843	9.9634 ng/ml
Fentanyl	5.047	9398	143.38	66.6	10956.28	439211	0.9475 ng/ml
Fluoxetine	5.690	117341	1488.72	8.4	883.86	444256	10.1964 ng/ml
Hydrocodone	2.953	62668	365.85	37.4	297.74	377549	10.4894 ng/ml
Hydromorphone	1.547	48712	∞	78.2	321.54	153645	9.8899 ng/ml
Ketamine	3.996	140927	434.64	38.6	∞	606204	10.2259 ng/ml
Lamotrigine	4.226	12868	2704.85	79.8	1037.08	606204	10.8398 ng/ml
Lorazepam	5.722	111278	940.49	56.0	903.45	149076	10.3925 ng/ml
MDA	3.130	196384	4130.86	21.1	649.40	423184	10.5374 ng/ml
MDMA	3.231	129417	13653.09	66.9	2404.63	123761	10.2992 ng/ml
Meprobamate	4.869	48106	7627.60	26.1	364.71	233969	9.9858 ng/ml
Methadone	5.629	178741	14097.52	53.8	1649.69	824360	10.2119 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.158	154549	413.07	42.3	173.06	664108	10.7065 ng/ml
Metoprolol	4.278	27278	6879.24	97.9	1669.86	1618108	9.7296 ng/ml
Mirtazapine	4.575	197012	7098.99	48.4	2356.27	691441	10.7134 ng/ml
Mitragynine	5.181	37838	477.89	38.0	10129.96	824360	10.4602 ng/ml
Morphine	1.200	7228	306.82	23.0	65.52	8016	10.3510 ng/ml
Norbuprenorphine	4.950	623	33.86	68.0	15.85	24052	1.0036 ng/ml
Nordiazepam	5.876	73865	1477.24	57.5	608.30	228086	10.4436 ng/ml
Norfentanyl	4.037	25136	822.17	37.6	294.54	1122341	0.9864 ng/ml
Norhydrocodone	3.007	6546	157.77	46.6	159.41	69165	9.4909 ng/ml
Noroxycodone	2.845	55196	929.18	49.0	251.50	179900	10.4485 ng/ml
O-desmethyl-tramadol	3.317	322435	3666.75	6.0	∞	1686650	9.9796 ng/ml
Oxazepam	5.732	126369	∞	72.7	816.13	745250	10.3050 ng/ml
Oxycodone	2.762	126915	1205.04	30.9	1069.28	523115	10.1670 ng/ml
Oxymorphone	1.350	49644	∞	47.7	340.80	170389	10.1878 ng/ml
Phentermine	3.716	48922	626.24	3.4	367.76	608345	10.8175 ng/ml
Promethazine	5.508	201450	1085.61	30.5	251.31	859717	10.2925 ng/ml
Quetiapine	5.525	120055	7138.64	59.6	∞	148154	10.6247 ng/ml
Sertraline	5.751	59693	2602.37	91.6	1144.85	231938	10.0178 ng/ml
Temazepam	5.799	215242	817.79	28.7	45.36	1004011	10.0891 ng/ml
Tramadol	4.197	319025	1163.95	3.3	357.48	1618108	10.1975 ng/ml
Trazodone	5.093	146489	1909.40	79.6	2469.88	597815	10.0243 ng/ml
Venlafaxine	4.994	251589	1109.27	37.1	2817.46	1235450	10.8948 ng/ml
Zolpidem	4.858	324079	1702.69	30.4	7835.70	1510883	10.4832 ng/ml

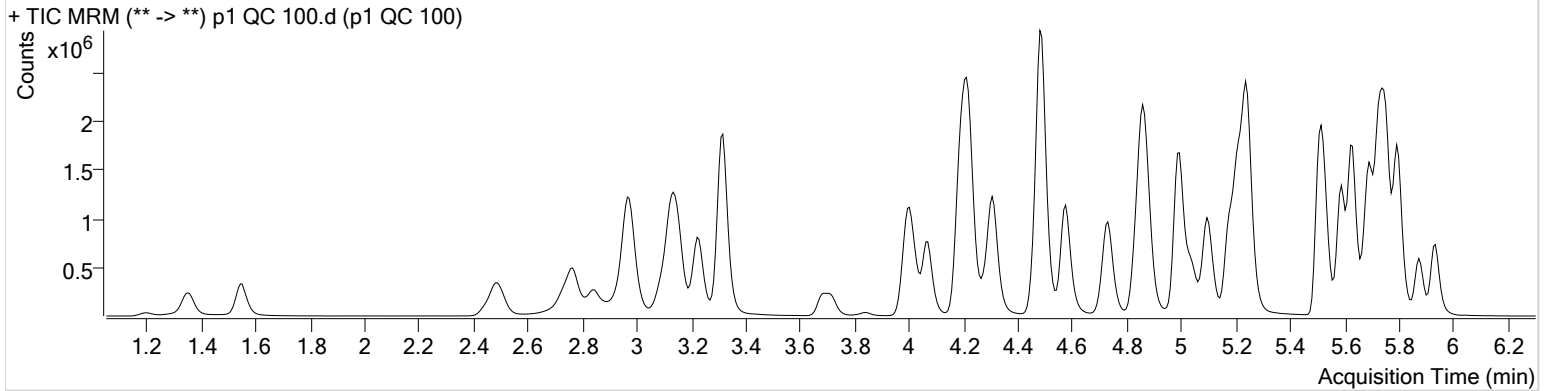
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

<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>	P1-G11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/30/2020 12:31:11 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	32467	33302.92	71.7	803.10	63545	10.8633 ng/ml
7-aminoclonazepam	4.223	635447	∞	82.8	∞	220129	99.0263 ng/ml
a-hydroxyalprazolam	5.674	283323	821.69	63.0	933.02	63508	113.1404 ng/ml
alpha-PVP	4.308	1594678	41423.19	50.5	24226.99	647626	101.7671 ng/ml
Alprazolam	5.751	938964	2210.76	104.7	1431.37	245518	104.4179 ng/ml
Amphetamine	2.977	2181021	22593.90	52.3	19386.98	247173	111.4201 ng/ml
Benzoylcegonine	3.838	55777	3992.32	7.7	826.95	18020	105.6497 ng/ml
Buprenorphine	5.802	53865	836.41	16.7	702.19	201507	10.1986 ng/ml
Bupropion	4.733	1472790	1143.19	60.5	∞	454688	105.3268 ng/ml
Carisoprodol	5.700	839632	63126.35	54.8	1796.48	376898	105.5569 ng/ml
Citalopram	5.176	1079576	1567.11	42.1	3205.52	454642	104.8335 ng/ml
Clonazepam	5.581	1158751	9058.80	33.3	3022.18	134556	110.9771 ng/ml
Cocaine	4.216	1524468	40985.65	45.5	84753.94	1057431	104.3552 ng/ml
Codeine	2.503	181166	1328.38	103.1	2594.90	79811	107.4590 ng/ml
Cyclobenzaprine	5.592	961828	∞	9.2	1455.48	351409	103.4673 ng/ml
Dextromethorphan	5.212	621618	8825.85	78.4	1004.00	276084	104.1234 ng/ml
Dextrorphan	4.070	427175	3037.53	212.6	26663.16	521497	102.6509 ng/ml
Diazepam	5.936	710371	3590.76	85.6	1653.18	317545	109.0856 ng/ml
Dihydrocodeine	2.481	460767	3266.96	64.2	2977.82	241284	107.7145 ng/ml
Diphenhydramine	5.247	2591924	140053.74	33.4	1150.29	1673295	100.2115 ng/ml
Doxylamine	4.487	3590834	547204.83	97.0	132812.78	1398291	114.6905 ng/ml
EDDP	5.211	1120472	25729.67	42.9	39068.27	581032	101.9888 ng/ml
Fentanyl	5.047	102323	70899.37	65.7	164369.87	438777	10.3831 ng/ml
Fluoxetine	5.683	1119631	211899.13	8.7	2597.71	423299	103.2084 ng/ml
Hydrocodone	2.953	599787	∞	37.6	2932.73	370464	112.3975 ng/ml
Hydromorphone	1.553	471330	2097.52	76.8	∞	144567	103.7559 ng/ml
Ketamine	3.996	1358527	65135.20	38.5	2351.55	573145	108.7397 ng/ml
Lamotrigine	4.232	112884	2107.93	82.7	16185.02	573145	110.5307 ng/ml
Lorazepam	5.722	902609	5891.23	55.9	2165.97	134556	97.8499 ng/ml
MDA	3.130	1755563	52373.65	20.6	8455.12	378388	111.8102 ng/ml
MDMA	3.224	1259344	120900.62	67.5	30306.20	115474	109.7252 ng/ml
Meprobamate	4.869	399604	60889.73	26.2	8513.44	201686	106.1896 ng/ml
Methadone	5.629	1850095	3925.93	51.2	3157.48	805522	101.7190 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.158	1370806	2158.05	42.5	2522.20	598179	114.5770 ng/ml
Metoprolol	4.278	270080	12121.28	96.7	5808.06	1514820	108.8701 ng/ml
Mirtazapine	4.575	1976590	241500.44	48.2	∞	647626	109.1968 ng/ml
Mitragynine	5.181	381224	32176.04	37.9	958331.47	805522	110.3261 ng/ml
Morphine	1.200	72466	1412.96	22.0	2983.02	7785	108.5760 ng/ml
Norbuprenorphine	4.944	5765	985.01	89.1	1415.36	24464	10.2274 ng/ml
Nordiazepam	5.876	675807	1599.90	59.5	28652.57	206253	107.7653 ng/ml
Norfentanyl	4.037	244166	4531.40	38.0	1089.90	1045667	9.9679 ng/ml
Norhydrocodone	3.007	59818	155.44	43.6	322.82	53662	103.2306 ng/ml
Noroxycodone	2.845	527971	9848.77	48.8	2082.99	164785	111.1014 ng/ml
O-desmethyl-tramadol	3.317	3287746	72501.99	5.9	3207.65	1609924	105.7226 ng/ml
Oxazepam	5.732	1037788	∞	74.8	13156.19	622285	105.5673 ng/ml
Oxycodone	2.762	1240932	2788.11	31.3	∞	504194	107.9468 ng/ml
Oxymorphone	1.350	469376	45301.47	48.6	∞	158771	107.6436 ng/ml
Phentermine	3.716	432843	∞	3.2	780.85	560418	114.1739 ng/ml
Promethazine	5.508	2050501	6043.12	31.0	758.79	849691	99.9362 ng/ml
Quetiapine	5.525	1167134	∞	60.4	71628.67	140797	109.8165 ng/ml
Sertraline	5.751	543086	4018.37	89.7	1366.54	205832	104.3790 ng/ml
Temazepam	5.799	2053082	4676.82	28.6	885.98	945622	101.8538 ng/ml
Tramadol	4.190	3057373	58007.00	3.4	757.56	1514820	108.2206 ng/ml
Trazodone	5.093	1538145	602.70	77.9	135548.37	609417	106.1232 ng/ml
Venlafaxine	4.994	2443677	2929.39	36.2	3712.16	1160863	106.3824 ng/ml
Zolpidem	4.858	3150031	354748.35	30.4	3445.17	1474069	109.9367 ng/ml



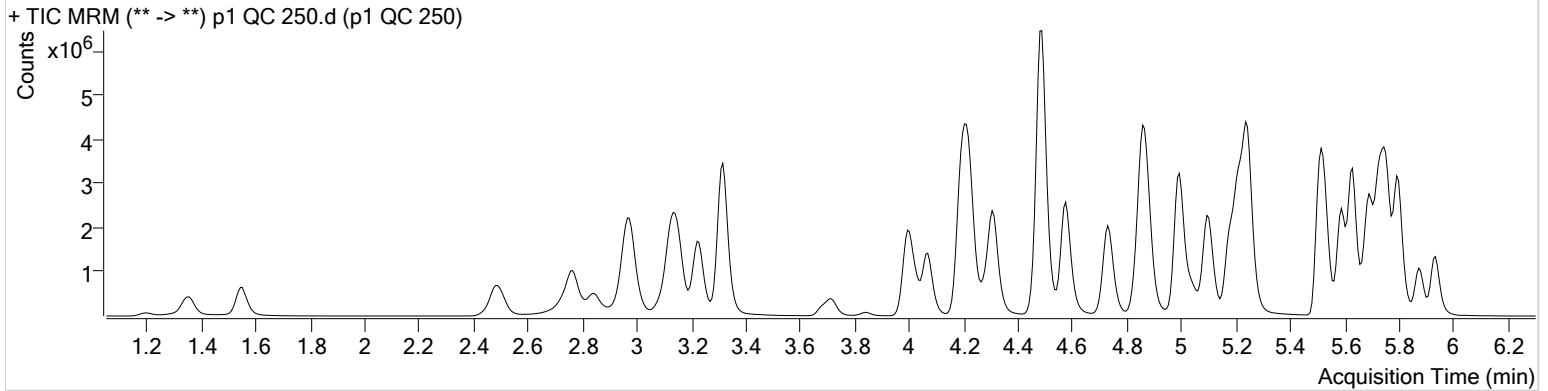


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
Calibration Last Update 7/1/2020 12:26:21 PM

Instrument Falco Data File p1 QC 250.d  
Type QC Sample p1 QC 250  
Acq. Method MDQ P1 060520.m Operator Celena Shrum  
Sample Position P1-F11 Comment  
Injection Volume 2  
Acq. Date-Time 6/30/2020 12:52:22 AM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	76683	2907.54	69.8	2792.92	63737	25.5880 ng/ml
7-aminoclonazepam	4.223	1185409	∞	82.9	36663.95	168295	240.4173 ng/ml
a-hydroxyalprazolam	5.674	574759	2722.05	63.2	1519.89	56599	258.3979 ng/ml
alpha-PVP	4.315	3542183	76081.56	50.5	326128.38	593967	245.9376 ng/ml
Alprazolam	5.751	1939180	2033.61	104.9	∞	204956	257.6948 ng/ml
Amphetamine	2.977	4201977	126484.46	51.1	63780.28	227796	235.6570 ng/ml
Benzoylcegonine	3.838	138080	13066.94	7.9	4785.85	18087	260.4357 ng/ml
Buprenorphine	5.802	119259	1595.66	16.1	7877.89	179030	25.3353 ng/ml
Bupropion	4.733	3320828	394765.33	60.1	2388.25	430044	251.2943 ng/ml
Carisoprodol	5.700	1629560	217056.38	54.6	1334.39	300770	257.1321 ng/ml
Citalopram	5.176	2306706	∞	42.2	1324.31	404871	251.6258 ng/ml
Clonazepam	5.581	2259176	4155.93	33.3	26254.50	115990	252.3020 ng/ml
Cocaine	4.216	3280073	159007.38	45.4	273139.30	946103	250.3124 ng/ml
Codeine	2.509	381847	2751.91	103.6	1468.72	71460	253.6874 ng/ml
Cyclobenzaprine	5.598	2079091	253716.79	9.1	2032.29	310939	252.6066 ng/ml
Dextromethorphan	5.219	1275188	37615.34	78.8	11067.49	239780	245.9037 ng/ml
Dextrorphan	4.070	951797	10964.05	214.8	3355.16	491452	242.4509 ng/ml
Diazepam	5.936	1470813	4918.75	88.4	2481.63	279126	257.1531 ng/ml
Dihydrocodeine	2.481	1010442	89894.81	64.9	17783.51	235507	242.6941 ng/ml
Diphenhydramine	5.247	5875715	293530.45	32.3	1669.85	1529658	247.5946 ng/ml
Doxylamine	4.487	8524425	405939.59	96.7	844732.41	1382279	277.9437 ng/ml
EDDP	5.211	2666459	2518.30	42.7	855.10	573595	245.8489 ng/ml
Fentanyl	5.047	231690	670.51	67.1	137675.07	417563	24.7129 ng/ml
Fluoxetine	5.690	2408933	8632.20	8.8	825.21	378784	248.3245 ng/ml
Hydrocodone	2.953	1232922	959.89	39.2	465.02	342087	251.6224 ng/ml
Hydromorphone	1.553	1046901	∞	75.1	∞	138979	240.0139 ng/ml
Ketamine	3.996	3046571	180040.37	38.6	4102.39	544556	257.3190 ng/ml
Lamotrigine	4.232	216622	13508.36	80.3	40435.59	544556	224.4673 ng/ml
Lorazepam	5.722	1456450	3419.99	55.1	23909.47	115990	183.6499 ng/ml*
MDA	3.130	3401957	62753.46	20.2	27408.17	329181	249.9369 ng/ml
MDMA	3.224	2781613	15830.41	67.6	170881.73	108338	258.6545 ng/ml
Meprobamate	4.869	709161	1228.53	25.7	6521.24	166127	230.1198 ng/ml
Methadone	5.629	4085911	99803.28	50.8	76142.26	735577	245.0520 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.158	2807760	15313.85	42.0	4291.91	532919	264.7643 ng/ml
Metoprolol	4.278	587033	1706016.26	97.7	∞	1407124	255.5809 ng/ml
Mirtazapine	4.575	4534016	∞	47.6	183760.44	593967	272.2507 ng/ml
Mitragynine	5.181	824961	59014.79	38.6	30304.91	735577	261.8086 ng/ml
Morphine	1.200	160707	2354.62	23.0	216.51	7327	256.0736 ng/ml
Norbuprenorphine	4.944	13476	966.63	84.0	2236.64	23406	25.1830 ng/ml
Nordiazepam	5.876	1422110	4664.32	58.1	2521.56	183409	255.3315 ng/ml
Norfentanyl	4.037	594054	5809.76	37.3	9133.37	985990	25.6665 ng/ml
Norhydrocodone	3.007	126287	136.68	41.7	111.31	42317	275.0413 ng/ml
Noroxycodone	2.845	1109144	1509.06	47.0	1221.18	147358	261.2842 ng/ml
O-desmethyl-tramadol	3.317	7506068	∞	5.8	1956.73	1498320	259.2152 ng/ml
Oxazepam	5.732	1823463	61227.68	70.8	∞	457384	253.0271 ng/ml
Oxycodone	2.762	2854257	6668.22	31.4	2311.75	487738	257.3885 ng/ml
Oxymorphone	1.350	1011373	1097.47	47.5	∞	151134	244.2524 ng/ml
Phentermine	3.716	953102	7924.94	3.1	1774.64	519932	272.6233 ng/ml
Promethazine	5.508	4573747	17030.85	30.2	1882.40	780630	241.7024 ng/ml
Quetiapine	5.525	2570796	97441.97	60.7	576.14	131935	258.3008 ng/ml
Sertraline	5.758	1028318	67785.16	93.7	2197.38	164483	247.5712 ng/ml
Temazepam	5.799	4443667	5851.60	28.5	3735.75	851771	244.6916 ng/ml
Tramadol	4.190	6807062	4855.04	3.3	2662.01	1407124	259.9670 ng/ml
Trazodone	5.093	3566777	987.43	77.8	1227.21	598892	250.8321 ng/ml
Venlafaxine	4.994	5591469	3813.29	35.5	2850.16	1087135	258.9616 ng/ml
Zolpidem	4.858	7152164	1735.65	29.7	128431.41	1423154	259.3709 ng/ml

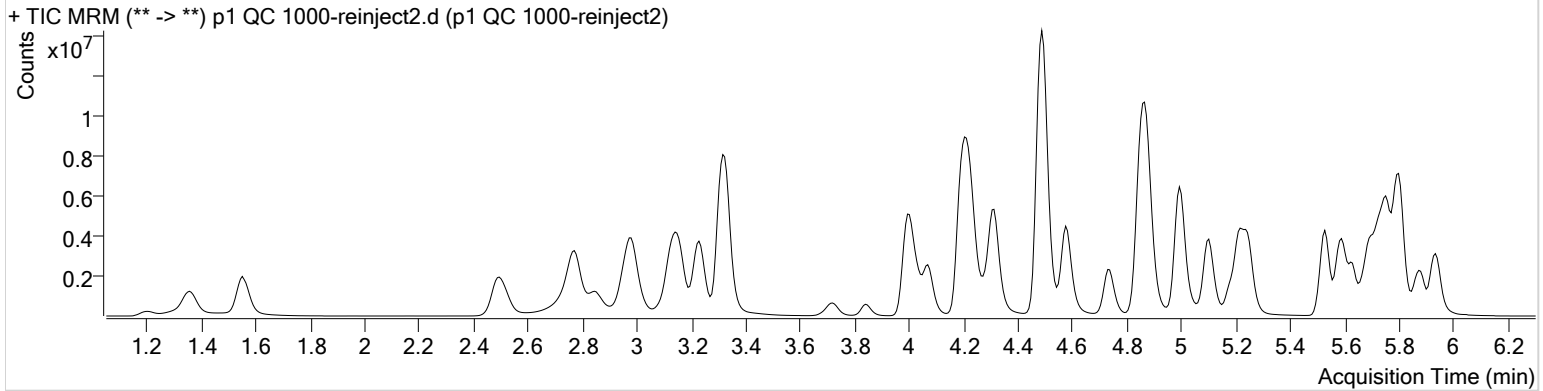
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 QC 1000-reinject2.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 1000-reinject2
<b>Acq. Method</b>	MDQ P1 060520.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-E11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/30/2020 10:14:14 AM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	334285	2954.61	71.3	1890.78	72182	98.5112 ng/ml
7-aminoclonazepam	4.237	2340796	∞	81.9	∞	100485	793.1726 ng/ml
a-hydroxyalprazolam	5.668	1830141	1722.33	61.2	1545.17	52247	892.9645 ng/ml
alpha-PVP	4.315	9001495	∞	49.5	2540.69	365983	1013.1368 ng/ml
Alprazolam	5.751	6249491	1594.47	106.5	∞	165674	1026.1197 ng/ml
Amphetamine	2.983	6876489	166020.94	51.0	37537.50	140480	629.4975 ng/ml*
Benzoylcegonine	3.838	1075415	25735.35	7.9	2605.53	29063	1262.0061 ng/ml
Buprenorphine	5.809	53612	∞	16.1	408.05	17542	116.0481 ng/ml
Bupropion	4.739	3949711	206869.99	60.0	12153.59	132644	969.4103 ng/ml
Carisoprodol	5.700	4409577	1484.77	54.3	27691.40	224692	932.1417 ng/ml
Citalopram	5.176	2067285	2548.00	41.8	1078.05	92300	989.3893 ng/ml
Clonazepam	5.588	7448429	97713.16	32.2	223625.80	103740	932.8260 ng/ml
Cocaine	4.216	8733742	836520.05	44.1	333255.57	615636	1022.8582 ng/ml
Codeine	2.516	1145006	1893.21	101.6	1073.30	60374	901.7557 ng/ml
Cyclobenzaprine	5.598	733529	682234.32	9.3	1751.17	29094	952.1758 ng/ml
Dextromethorphan	5.219	849412	16649.84	78.3	2899.64	38605	1017.2776 ng/ml
Dextrorphan	4.070	1849870	2777.23	215.2	1761.55	234516	986.9180 ng/ml
Diazepam	5.936	4364527	2633.00	88.1	3046.37	212192	1004.2303 ng/ml
Dihydrocodeine	2.488	3319076	88870.73	64.4	31361.15	265647	707.7989 ng/ml*
Diphenhydramine	5.247	5709889	1998.63	32.7	788.51	372255	986.8529 ng/ml
Doxylamine	4.487	21380318	∞	98.3	974313.31	1008590	959.7892 ng/ml
EDDP	5.218	5731464	8660.78	42.1	2715.84	300059	1010.1624 ng/ml
Fentanyl	5.047	101719	16657.15	67.1	200878.48	45331	99.9580 ng/ml
Fluoxetine	5.690	438797	2045.70	9.0	1169.64	17527	977.9314 ng/ml
Hydrocodone	2.959	4273341	∞	38.8	1274.37	334614	894.5381 ng/ml
Hydromorphone	1.553	3710384	660.93	77.3	1039.13	127271	929.5366 ng/ml
Ketamine	3.996	10766920	11179.15	37.6	71406.68	534738	927.3569 ng/ml
Lamotrigine	4.239	473668	27628.59	83.0	23847.68	534738	501.3096 ng/ml*
Lorazepam	5.722	1755360	∞	54.4	∞	103740	247.6712 ng/ml*
MDA	3.130	6047095	347782.19	20.0	41309.36	173385	845.1762 ng/ml*
MDMA	3.231	6653307	∞	66.3	235852.02	65786	1019.5636 ng/ml
Meprobamate	4.882	1356252	46361.27	25.6	7841.64	125375	584.9181 ng/ml*
Methadone	5.629	2823266	62698.39	51.6	37864.22	130242	954.3605 ng/ml



# AM #28 Multi-Drug Quant. Results

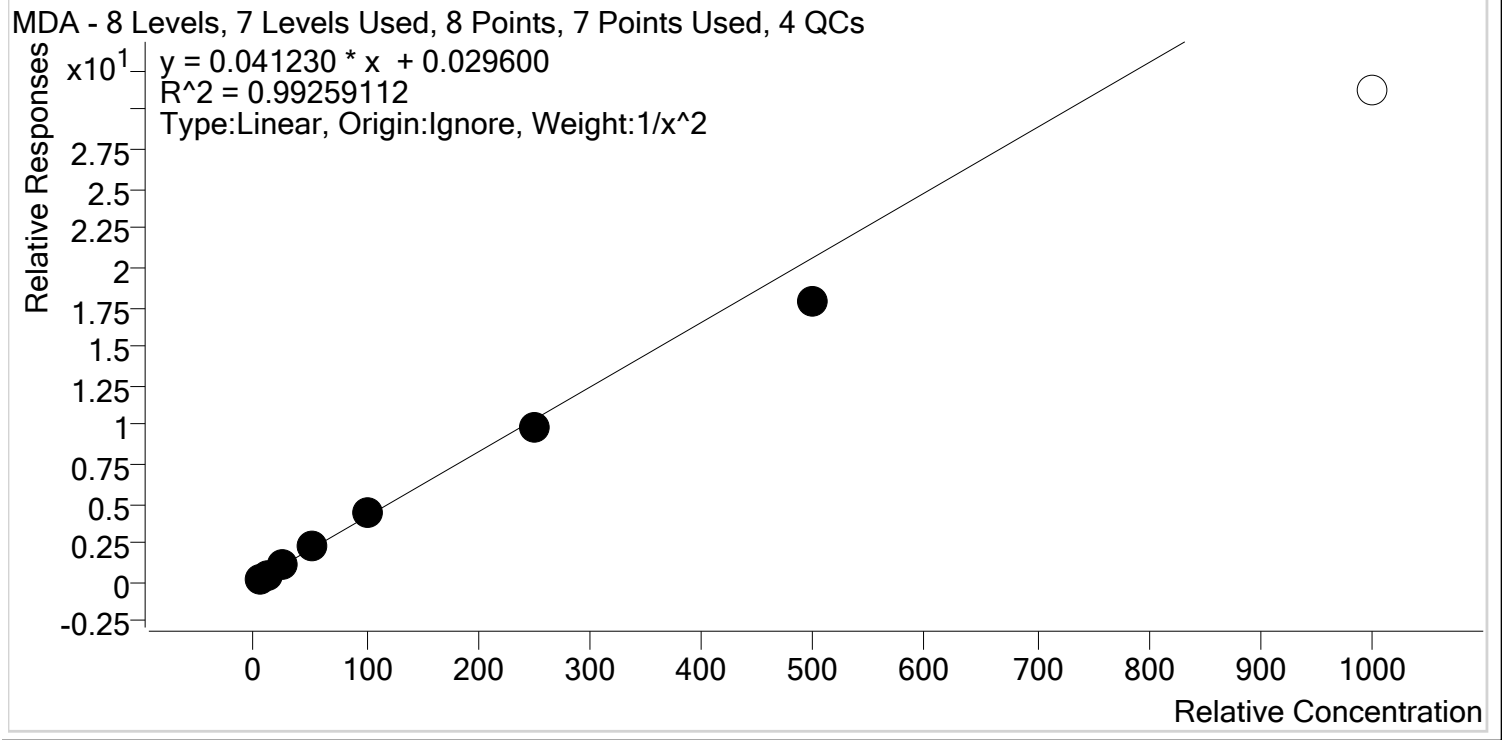
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.158	6133284	12840.01	41.3	36249.63	336242	919.1917 ng/ml
Metoprolol	4.278	1276537	361467.15	97.3	∞	1025458	763.8661 ng/ml
Mirtazapine	4.575	7914271	756018.81	47.3	∞	365983	770.2075 ng/ml
Mitragynine	5.188	491968	39221.66	38.4	17311.53	130242	882.4220 ng/ml
Morphine	1.206	627965	10168.65	23.5	6871.09	7331	1000.6805 ng/ml
Norbuprenorphine	4.944	8076	395.13	77.6	146.38	3568	99.3910 ng/ml
Nordiazepam	5.876	3783405	143708.89	57.1	∞	128542	969.8813 ng/ml
<del>Norfentanyl</del>	<del>4.037</del>	<del>1835527</del>	<del>490277.73</del>	<del>37.2</del>	<del>10303.48</del>	<del>568420</del>	<del>137.4177 ng/ml*</del>
Norhydrocodone	3.007	405663	96.95	42.0	∞	27704	1346.4048 ng/ml
Noroxycodone	2.845	2729728	30448.70	48.6	∞	90045	1052.9908 ng/ml
O-desmethyl-tramadol	3.317	24032019	4170861.56	6.1	2310.75	1268656	979.9104 ng/ml
Oxazepam	5.726	2258069	112882.15	76.8	5539.84	174004	824.6989 ng/ml
Oxycodone	2.769	11165158	∞	30.6	5666.44	518345	948.7999 ng/ml
Oxymorphone	1.356	3775070	∞	47.1	5235.69	145973	945.2692 ng/ml
Phentermine	3.723	1887801	∞	3.1	2359.72	302570	930.7723 ng/ml
Promethazine	5.508	1556221	7929.50	30.7	3611.16	68039	941.6648 ng/ml
Quetiapine	5.525	5781117	∞	60.4	239189.61	71792	1067.8449 ng/ml
Sertraline	5.758	120005	7670.81	88.4	29695.46	4868	976.7250 ng/ml
Temazepam	5.799	13587119	31240.14	28.2	∞	625286	1019.0632 ng/ml
Tramadol	4.190	16845811	101018.64	3.3	960.65	1025458	883.7991 ng/ml
Trazodone	5.100	6104383	3316.73	78.6	4019.07	245938	1046.3516 ng/ml
Venlafaxine	4.994	12899070	652169.94	35.0	5194.19	602592	1075.6620 ng/ml
Zolpidem	4.858	24699896	∞	31.5	250721.51	1595338	800.3337 ng/ml

\*Outside curve range <sub>ex</sub>



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** MDA **Internal Standard** MDA-D5

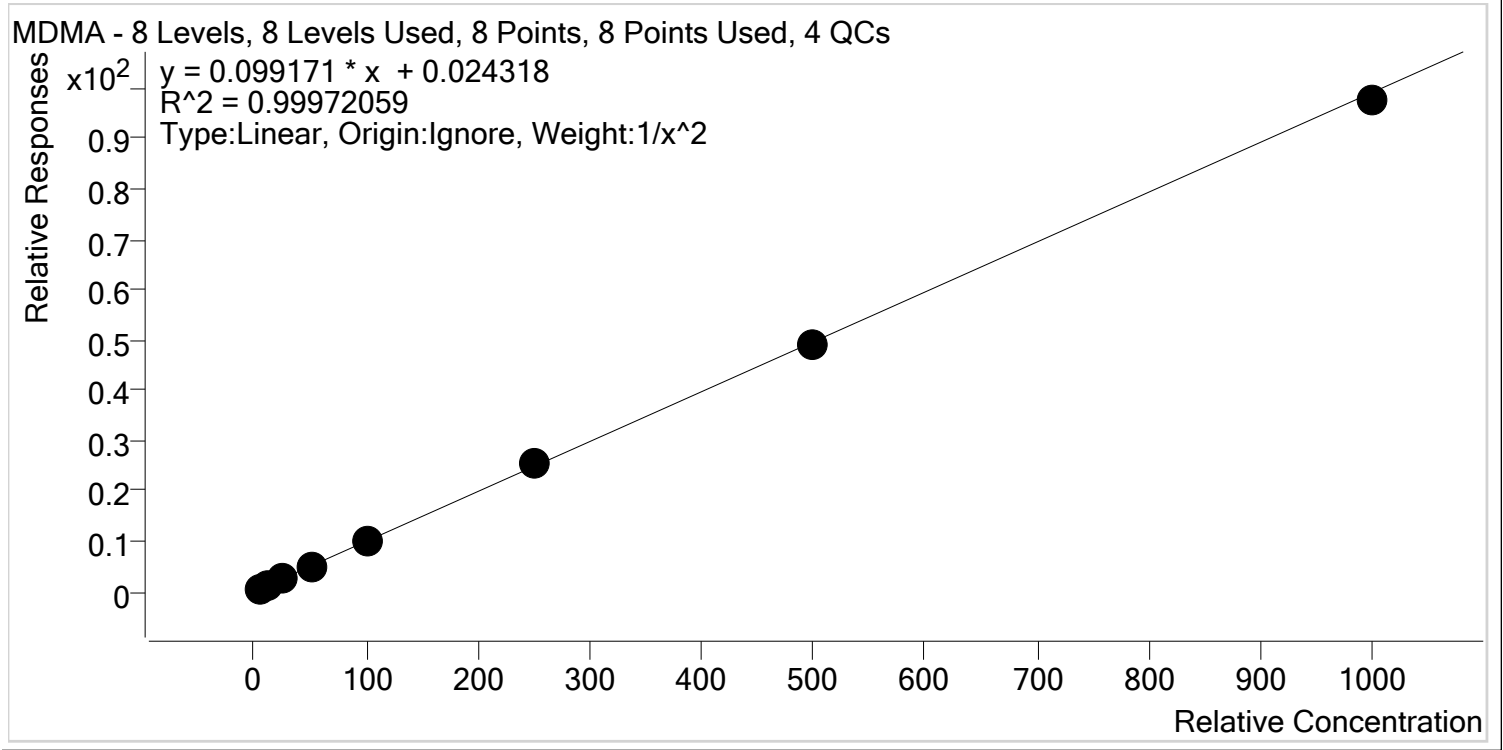


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	54.2	108.5
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	240.9	96.3
p1 Cal 7-500ng	7	✓	500.0	433.0	86.6
p1 Cal 8-1000ng	8	✗	1000.0	757.2	75.7



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

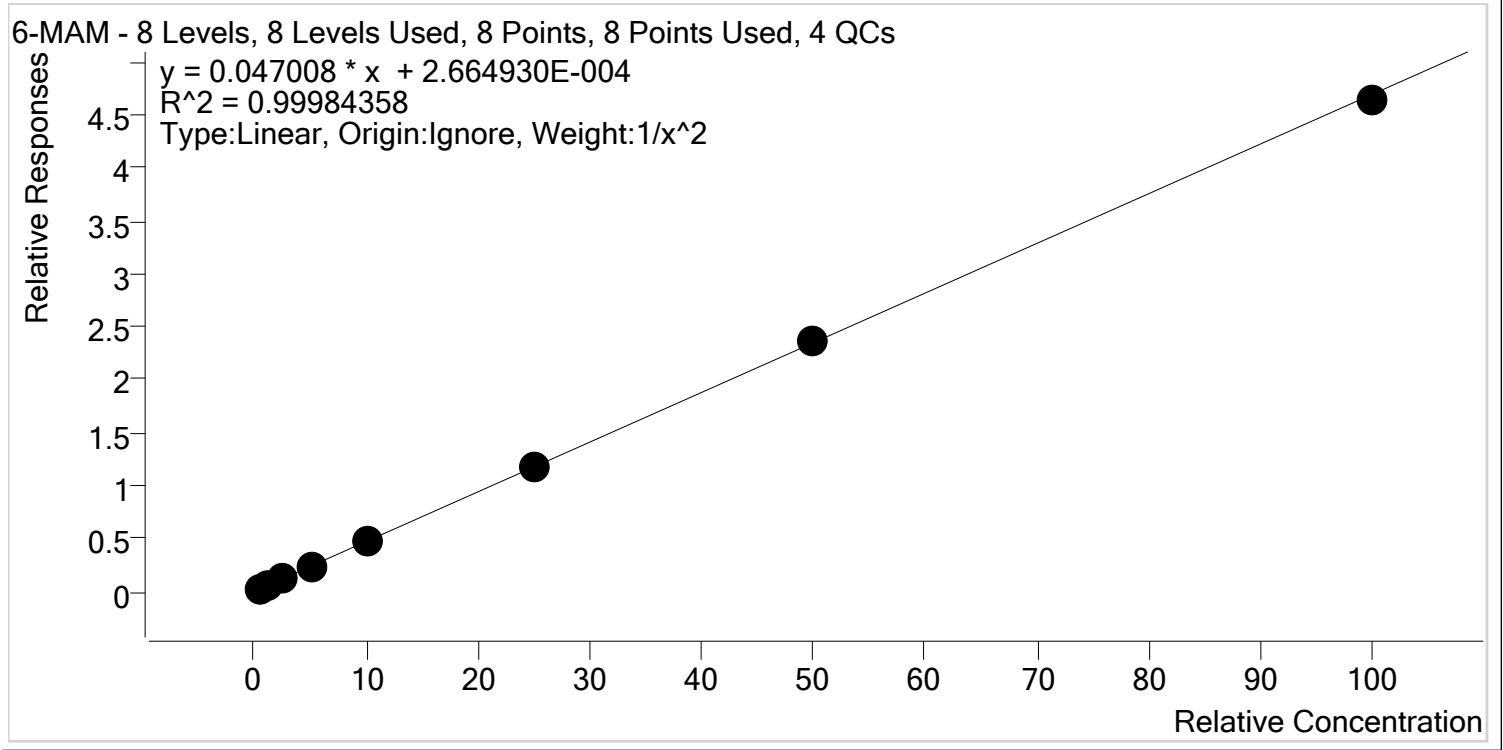


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	495.4	99.1
p1 Cal 8-1000ng	8	✓	1000.0	983.7	98.4



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

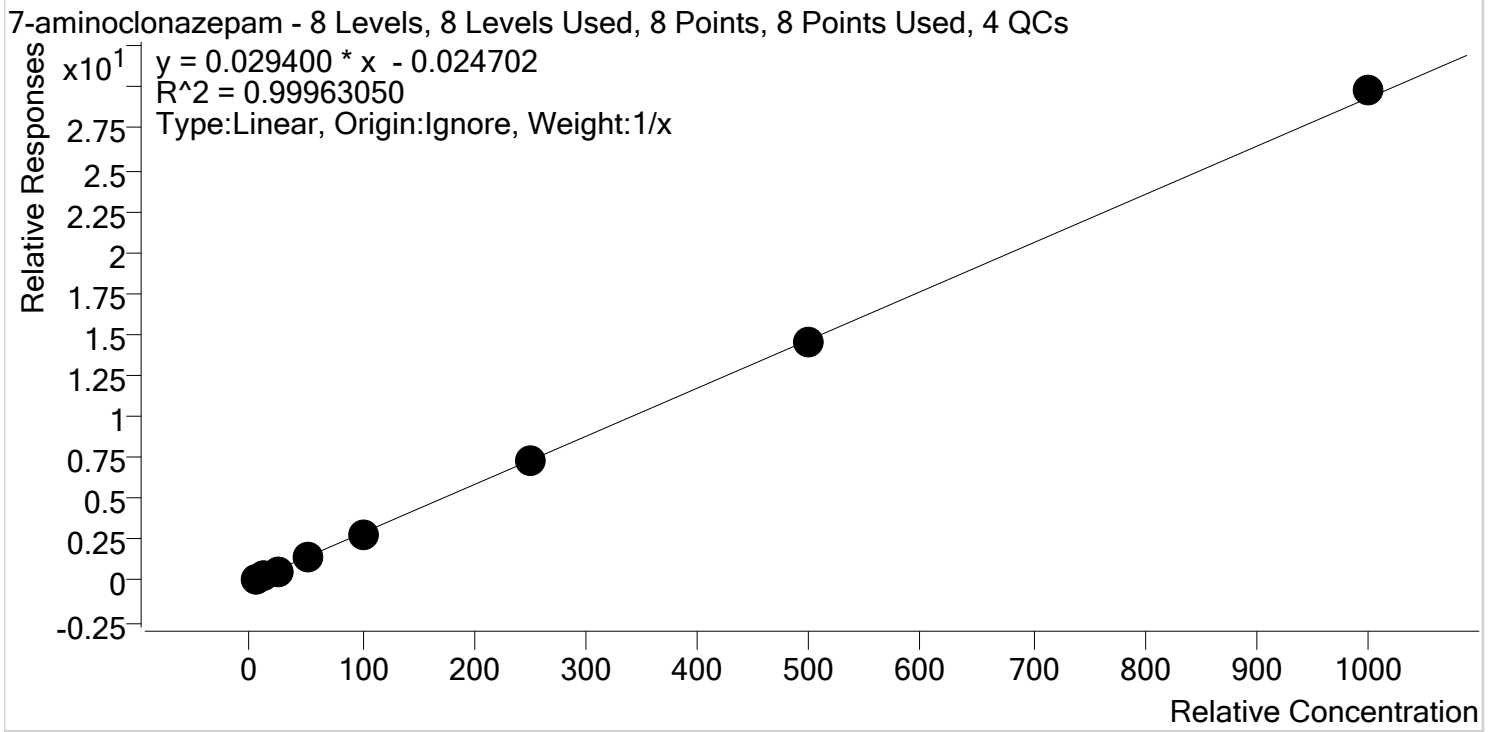


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.2
p1 Cal 2- 10ng	2	✓	1.0	1.0	99.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.5
p1 Cal 4-50ng	4	✓	5.0	5.1	101.7
p1 Cal 5-100ng	5	✓	10.0	10.0	99.6
p1 Cal 6-250ng	6	✓	25.0	25.1	100.2
p1 Cal 7-500ng	7	✓	50.0	50.6	101.1
p1 Cal 8-1000ng	8	✓	100.0	98.7	98.7



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



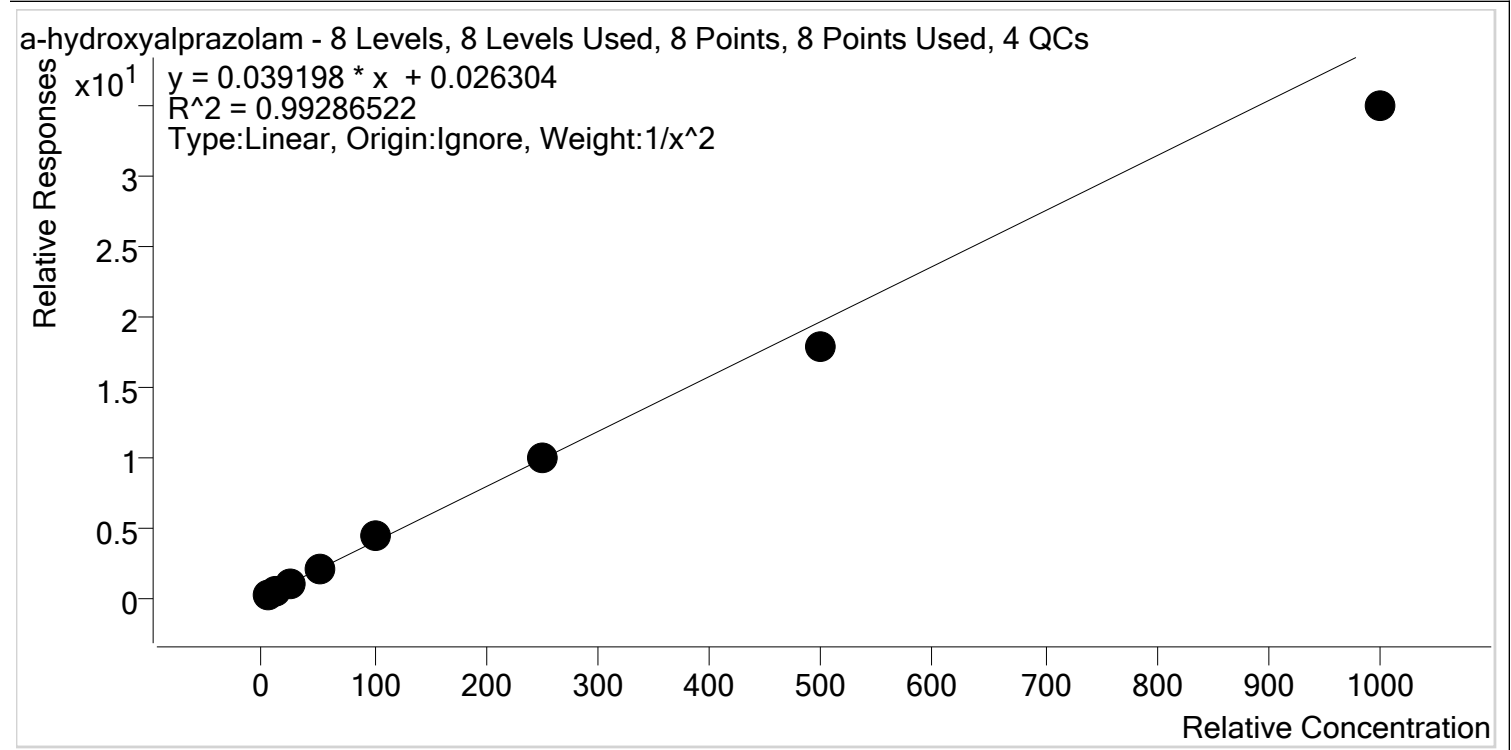
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.6
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	492.5	98.5
p1 Cal 8-1000ng	8	✓	1000.0	1015.4	101.5





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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

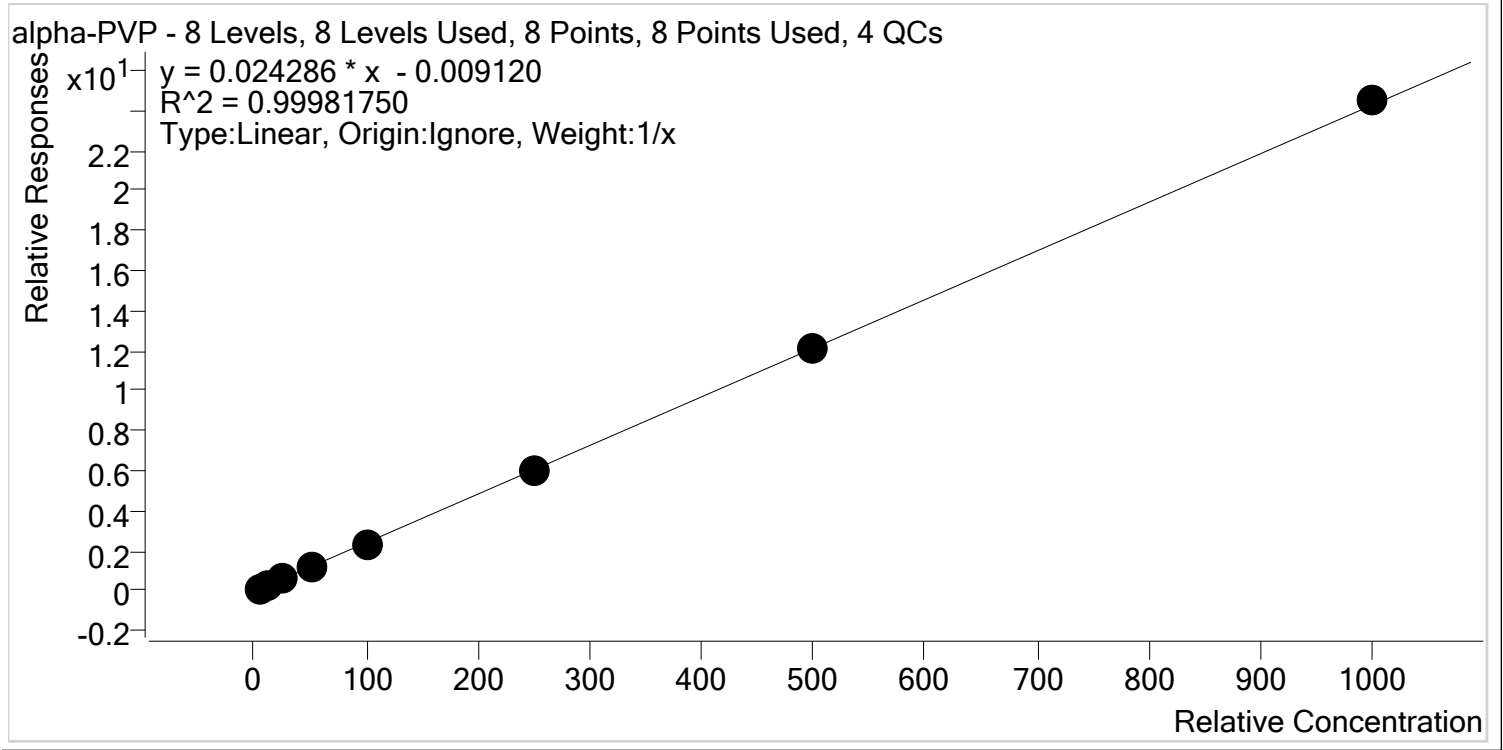


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	54.0	108.1
p1 Cal 5-100ng	5	✓	100.0	109.3	109.3
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	456.5	91.3
p1 Cal 8-1000ng	8	✓	1000.0	889.9	89.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

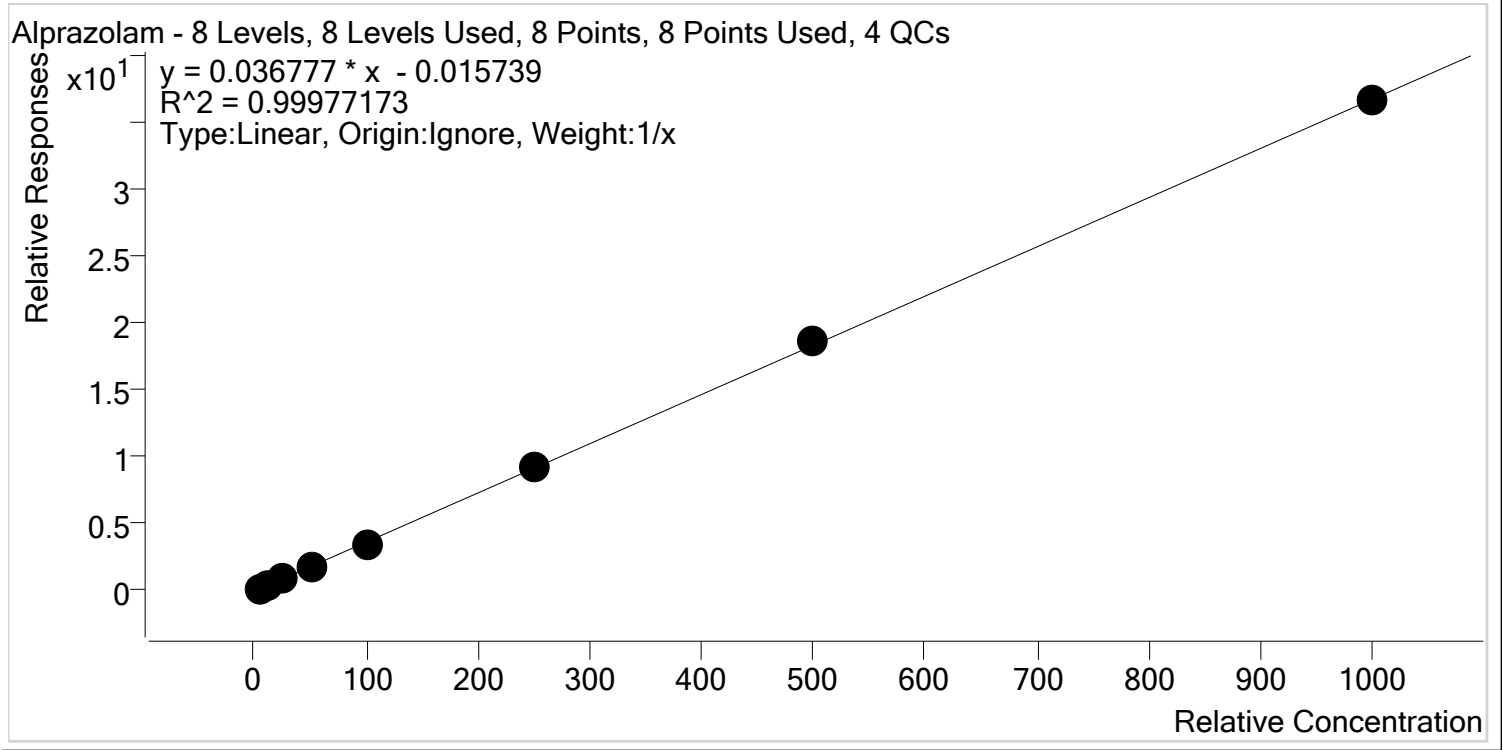


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	244.9	97.9
p1 Cal 7-500ng	7	✓	500.0	499.0	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1009.4	100.9



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

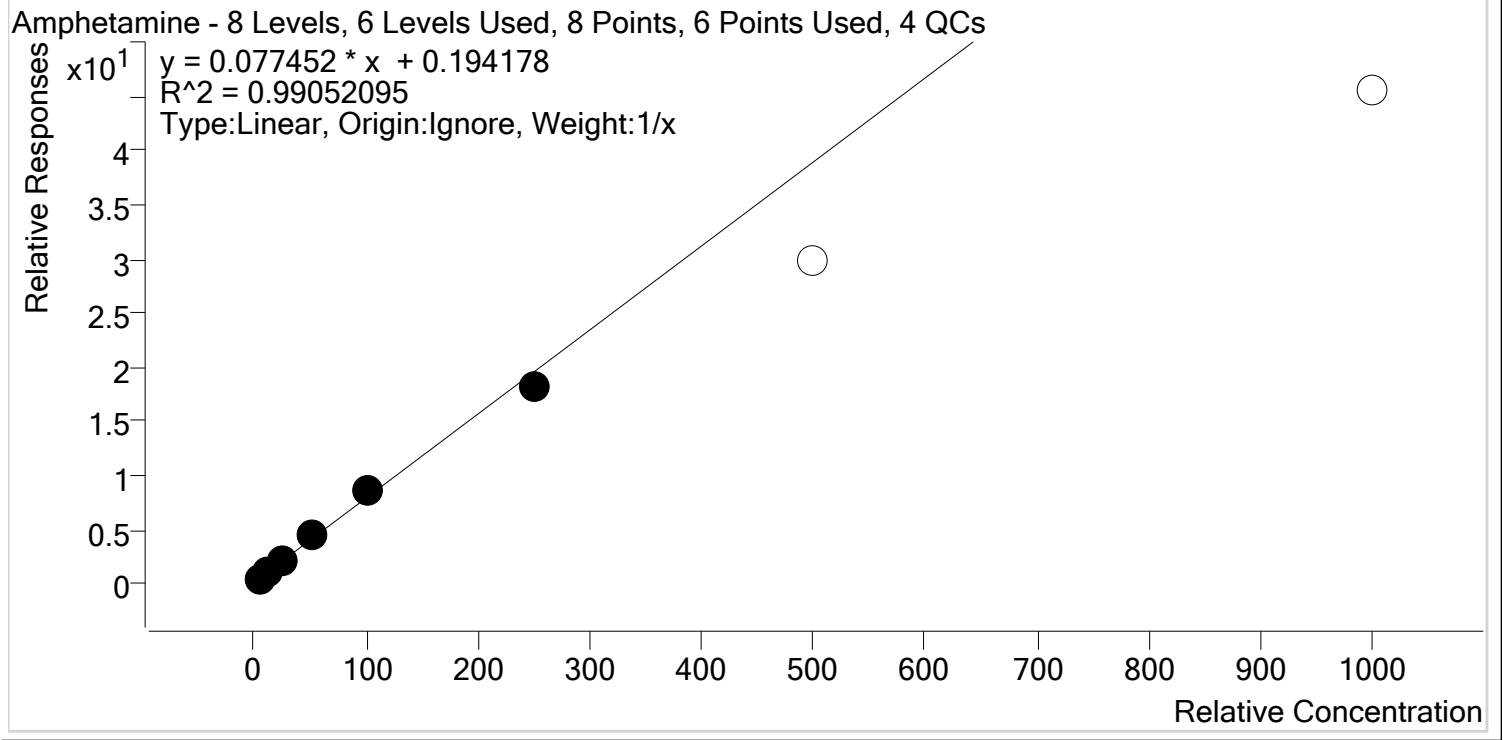


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.5
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.4
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	507.4	101.5
p1 Cal 8-1000ng	8	✓	1000.0	997.4	99.7



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

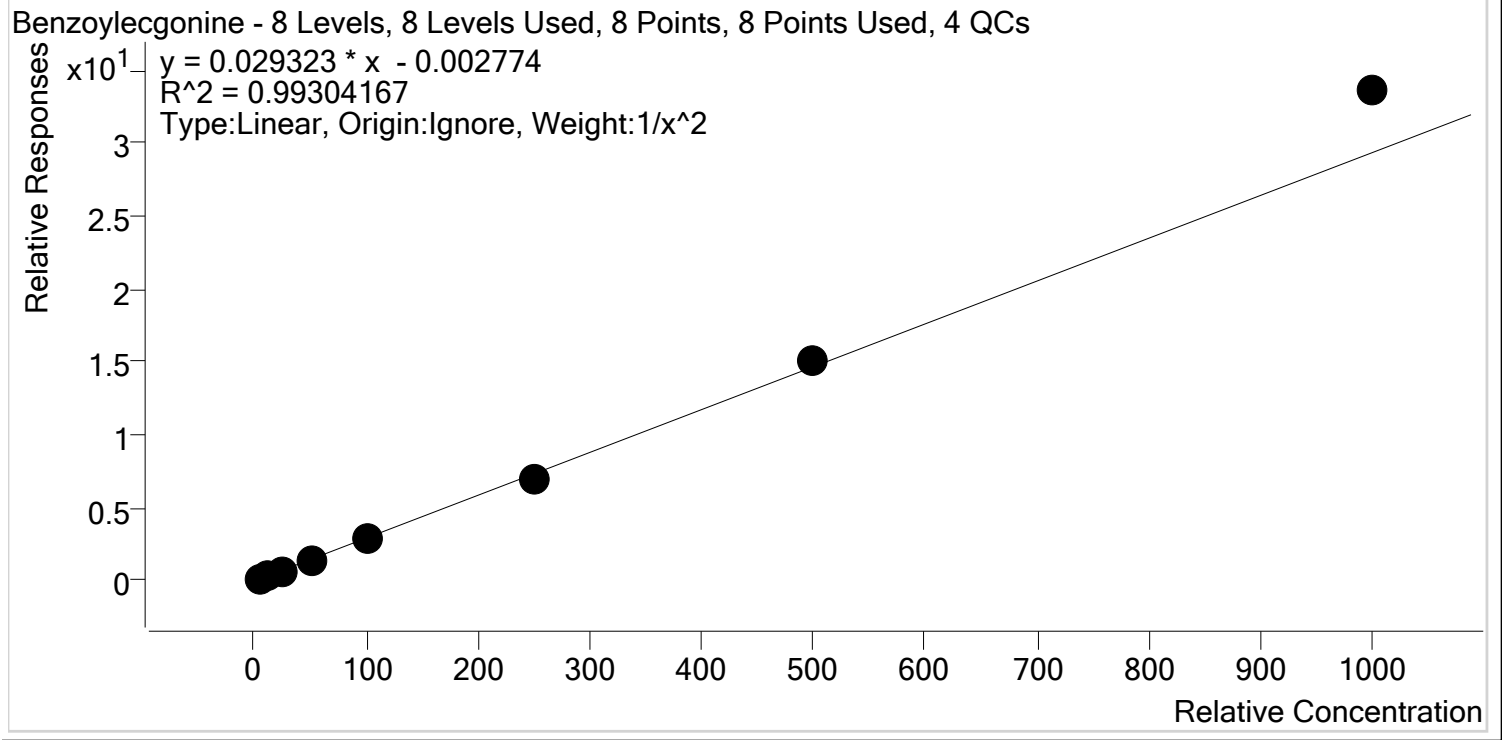


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.9	77.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.8
p1 Cal 4-50ng	4	✓	50.0	57.2	114.4
p1 Cal 5-100ng	5	✓	100.0	108.4	108.4
p1 Cal 6-250ng	6	✓	250.0	233.5	93.4
p1 Cal 7-500ng	7	✗	500.0	380.5	76.1
p1 Cal 8-1000ng	8	✗	1000.0	585.0	58.5



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

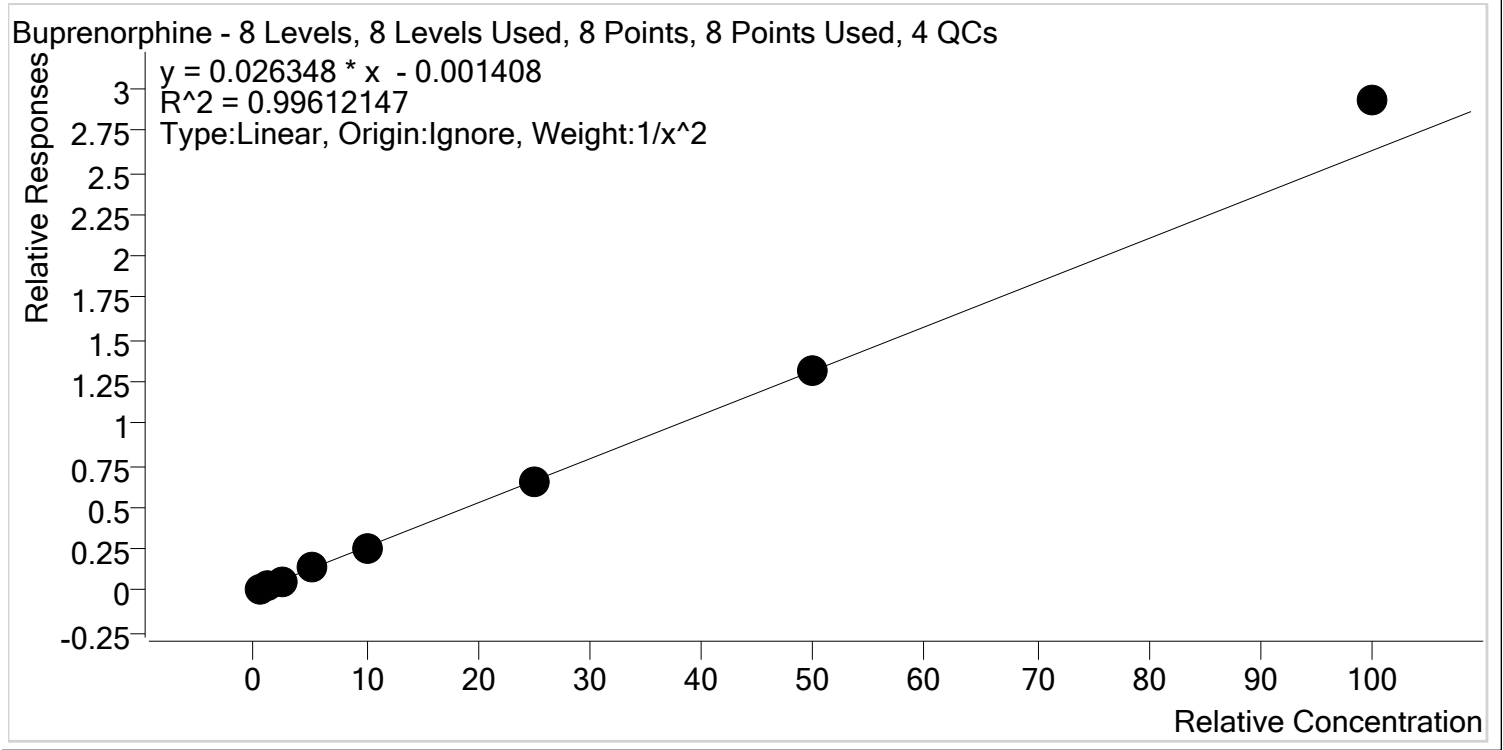


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2- 10ng	2	✓	10.0	9.5	95.1
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.2
p1 Cal 4-50ng	4	✓	50.0	48.9	97.7
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	240.6	96.3
p1 Cal 7-500ng	7	✓	500.0	516.9	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1144.8	114.5



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

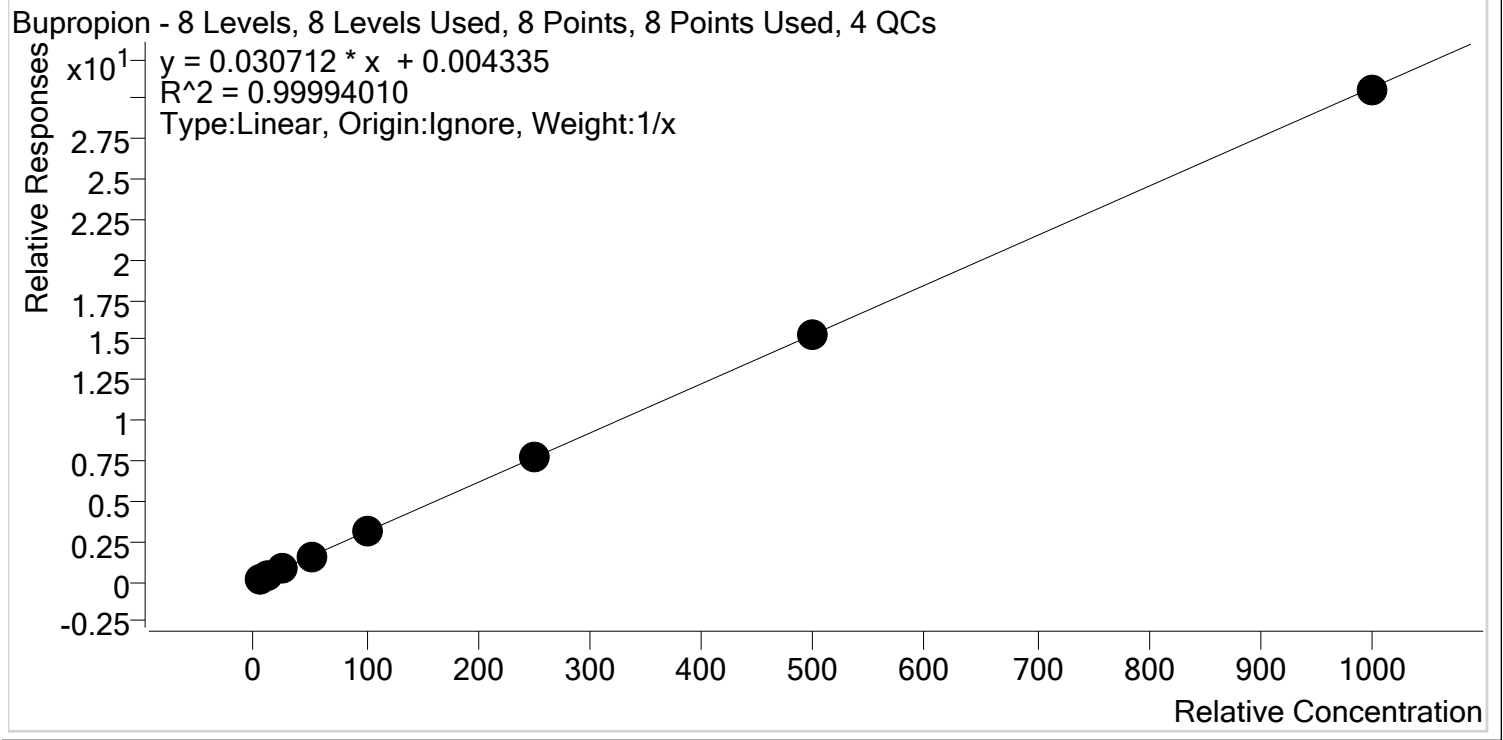


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.3
p1 Cal 2- 10ng	2	✓	1.0	1.0	95.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.8
p1 Cal 4-50ng	4	✓	5.0	5.0	100.2
p1 Cal 5-100ng	5	✓	10.0	9.6	95.8
p1 Cal 6-250ng	6	✓	25.0	24.6	98.3
p1 Cal 7-500ng	7	✓	50.0	50.3	100.5
p1 Cal 8-1000ng	8	✓	100.0	111.3	111.3



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

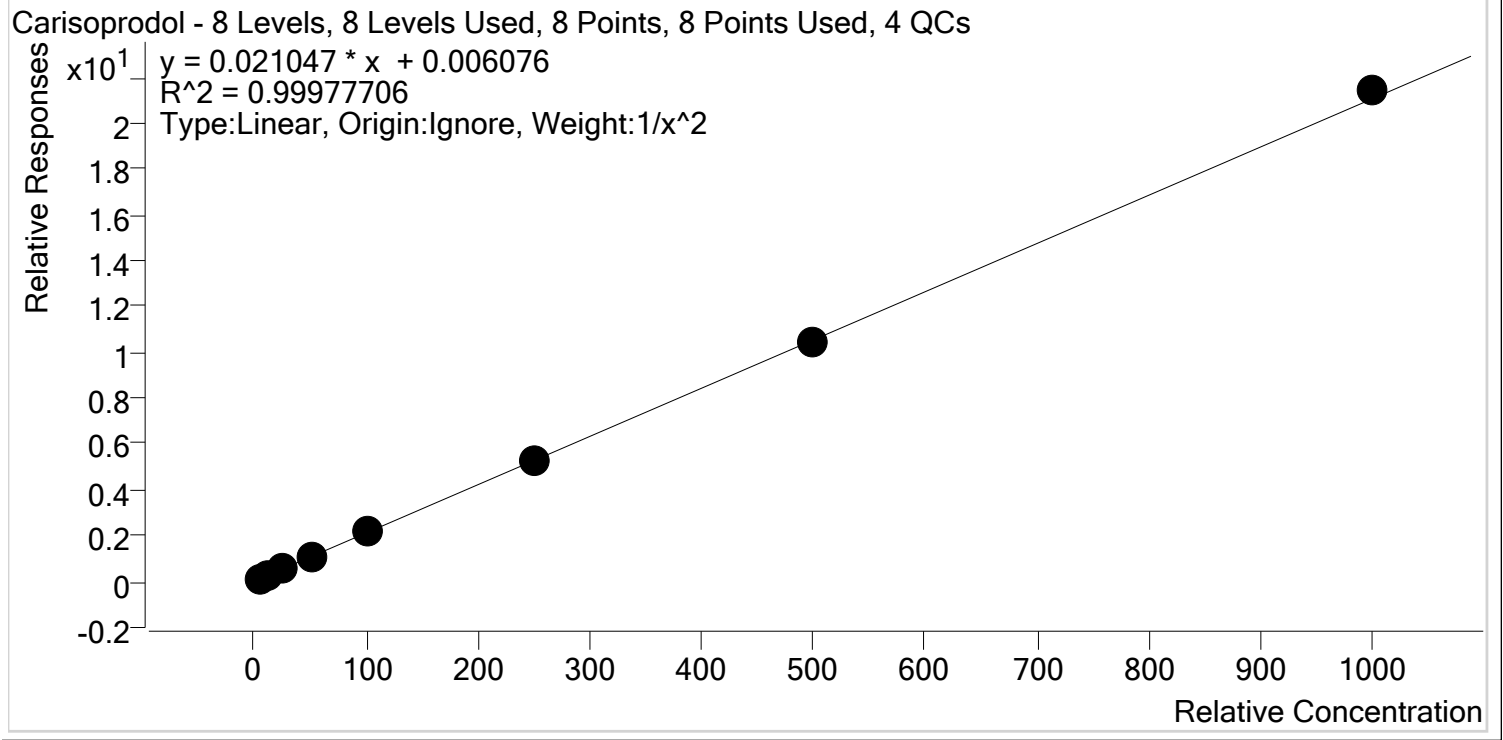


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	994.0	99.4



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



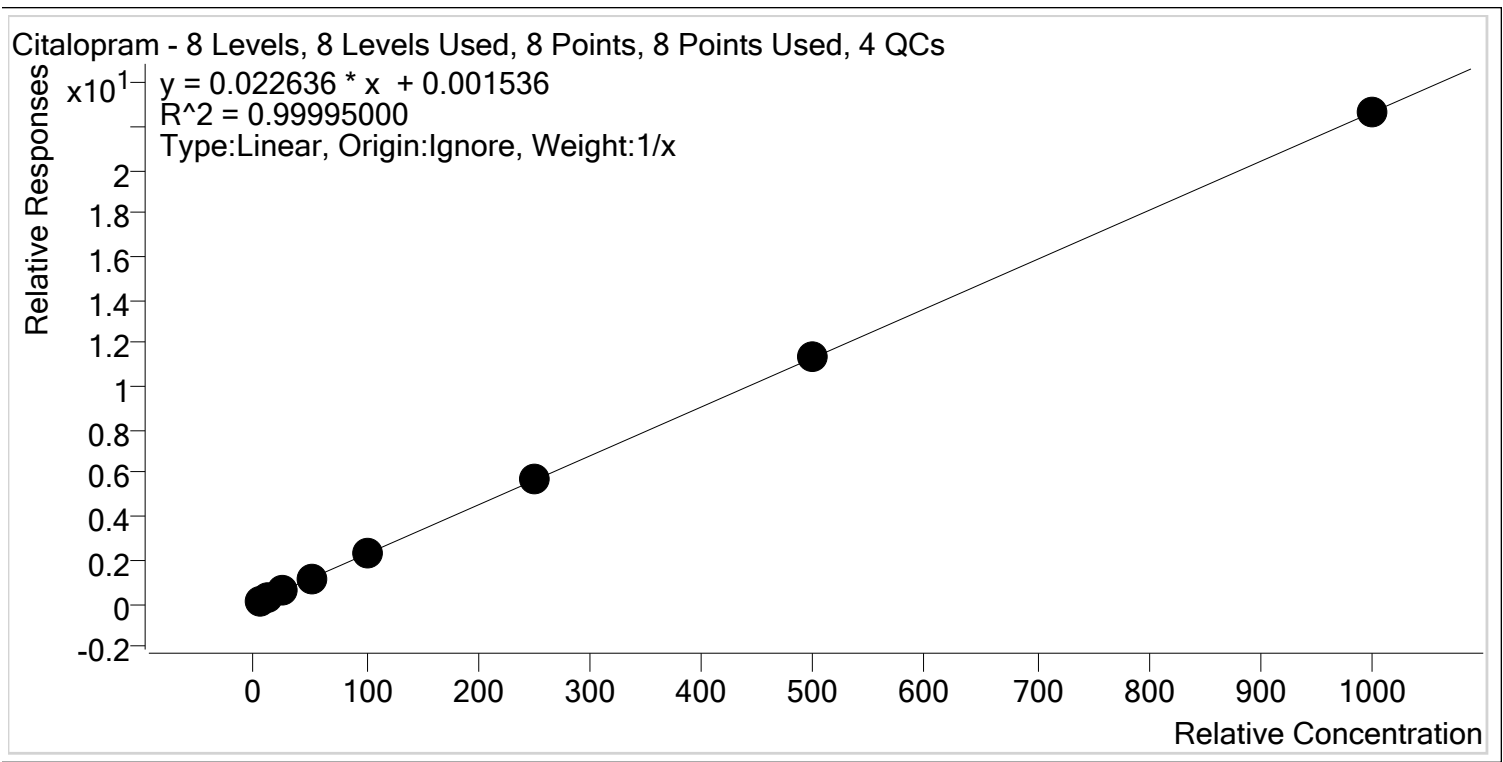
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	497.6	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1017.1	101.7





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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

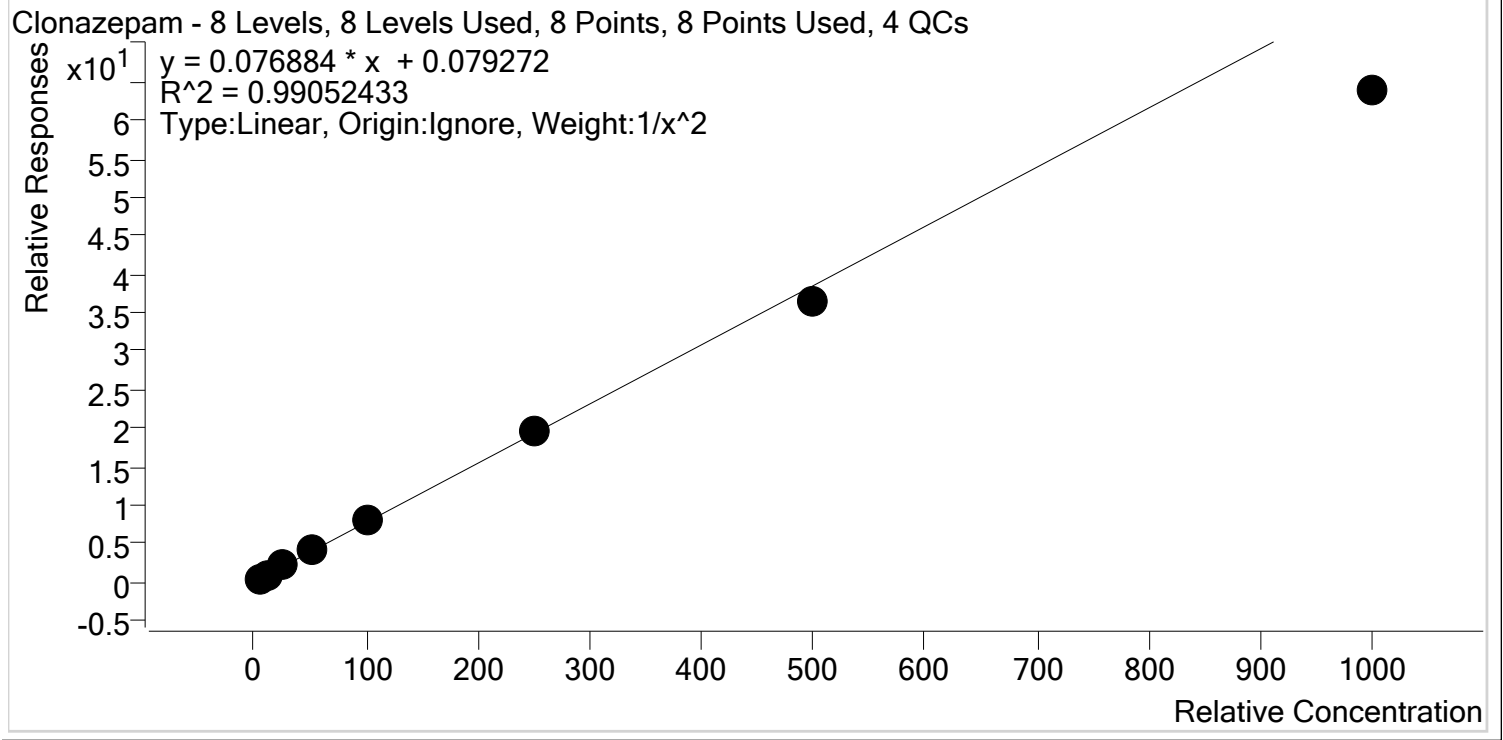


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	249.4	99.7
p1 Cal 7-500ng	7	✓	500.0	499.9	100.0
p1 Cal 8-1000ng	8	✓	1000.0	999.5	100.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

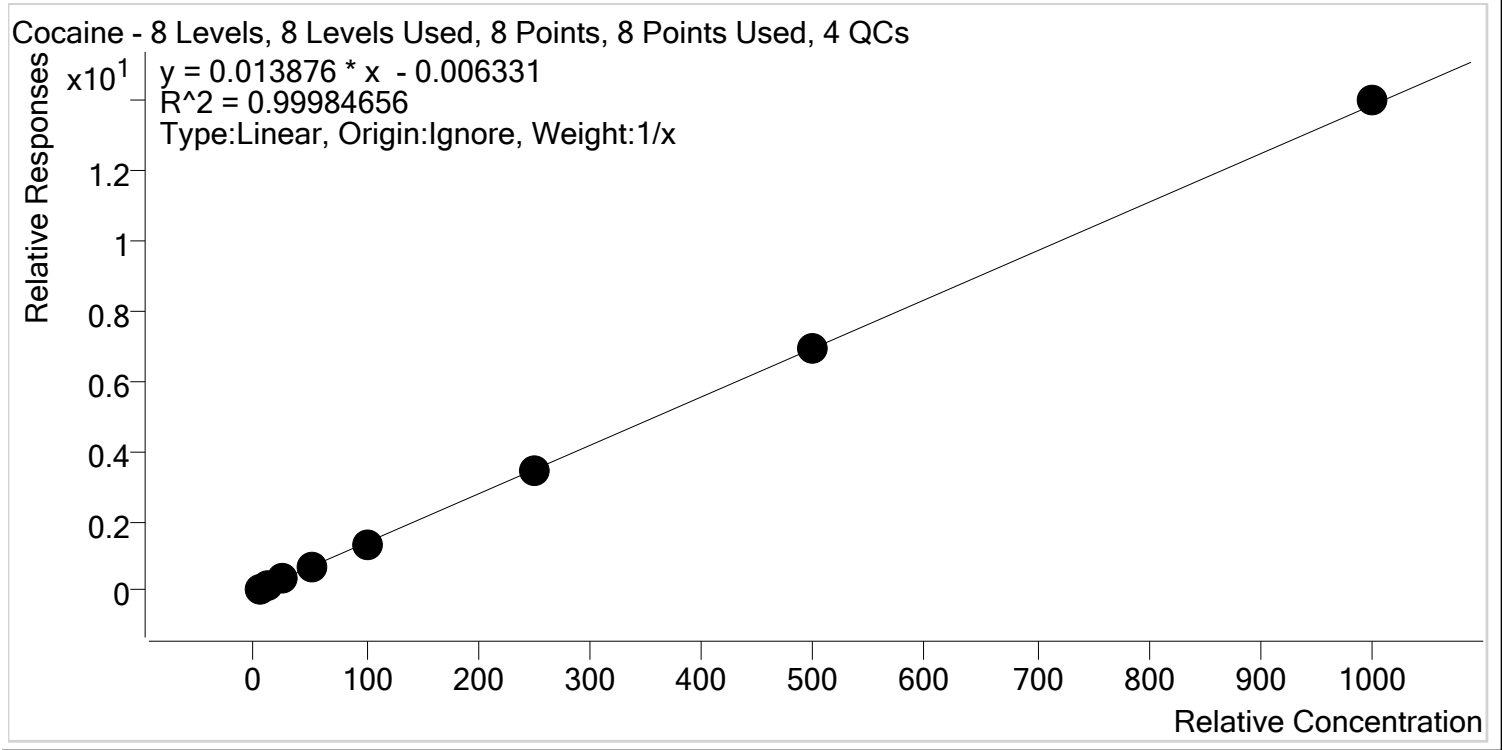


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	473.7	94.7
p1 Cal 8-1000ng	8	✓	1000.0	829.5	82.9



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

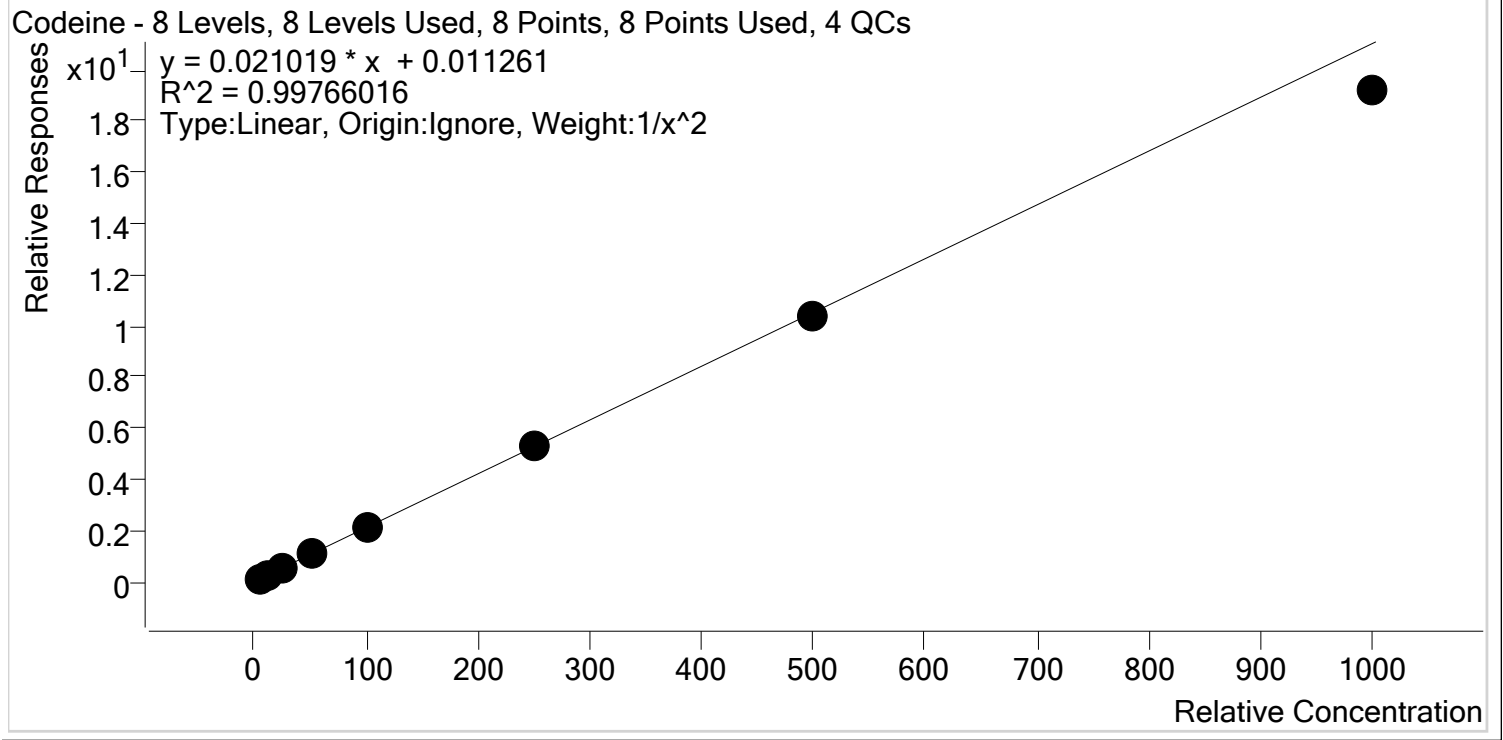


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	497.3	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1009.5	100.9



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

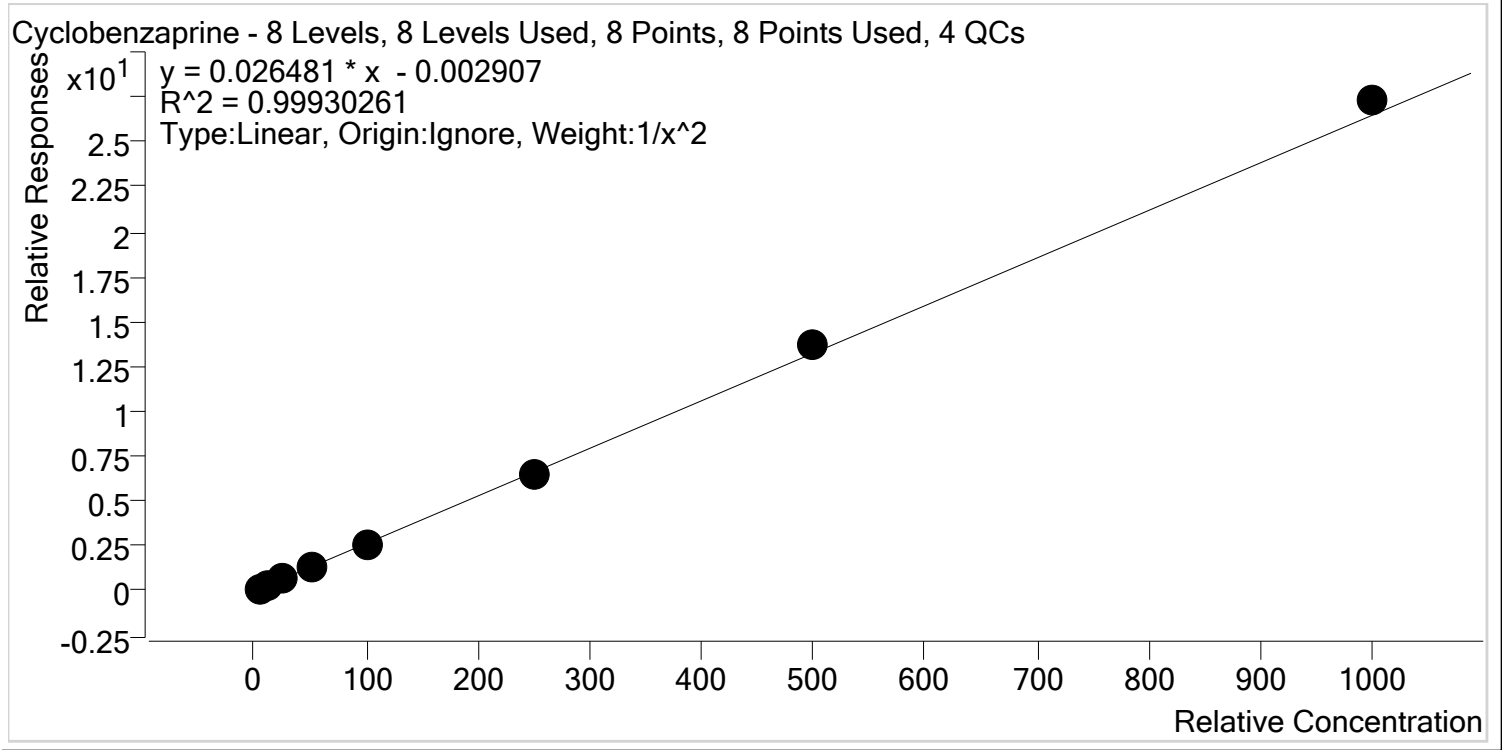


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	52.6	105.1
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	490.8	98.2
p1 Cal 8-1000ng	8	✓	1000.0	912.6	91.3



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

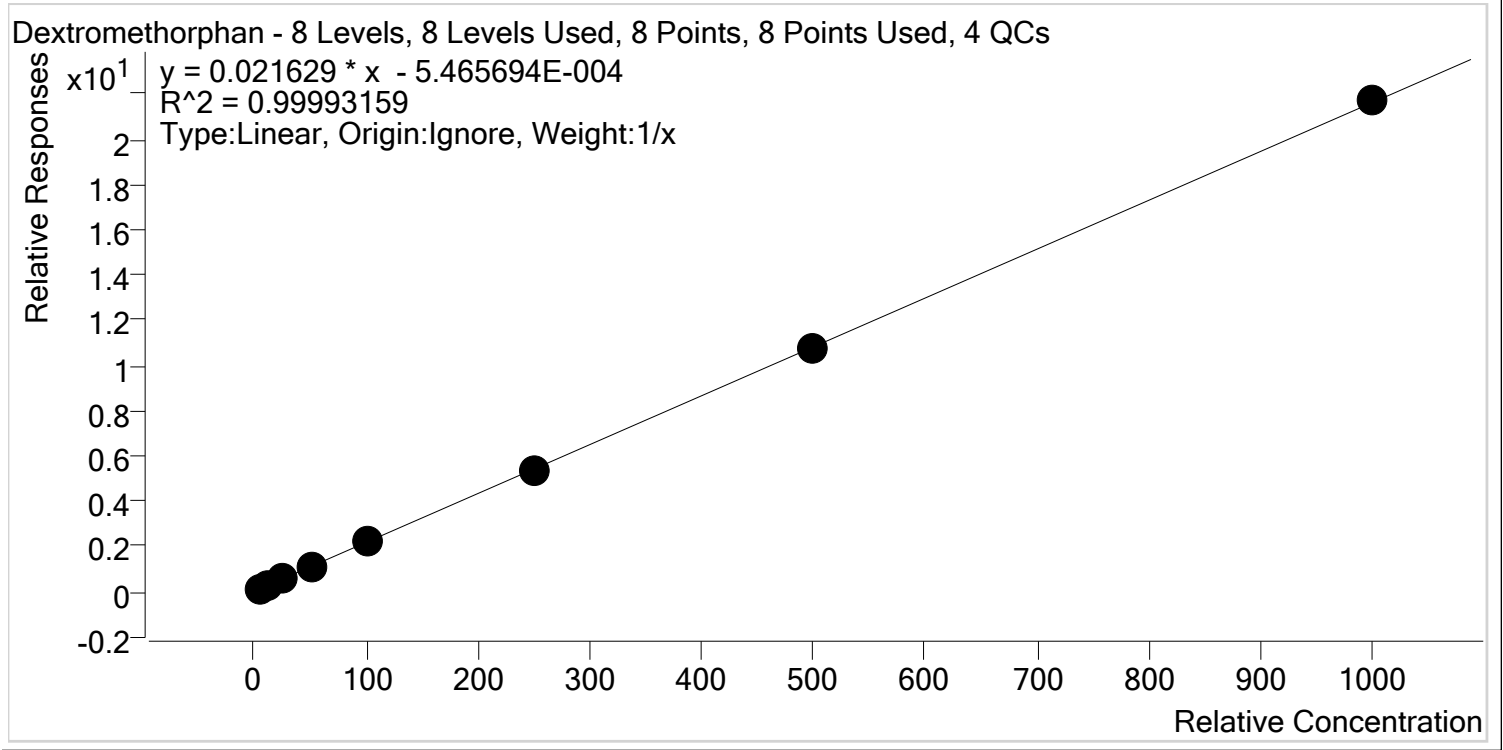


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	515.5	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1030.9	103.1



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



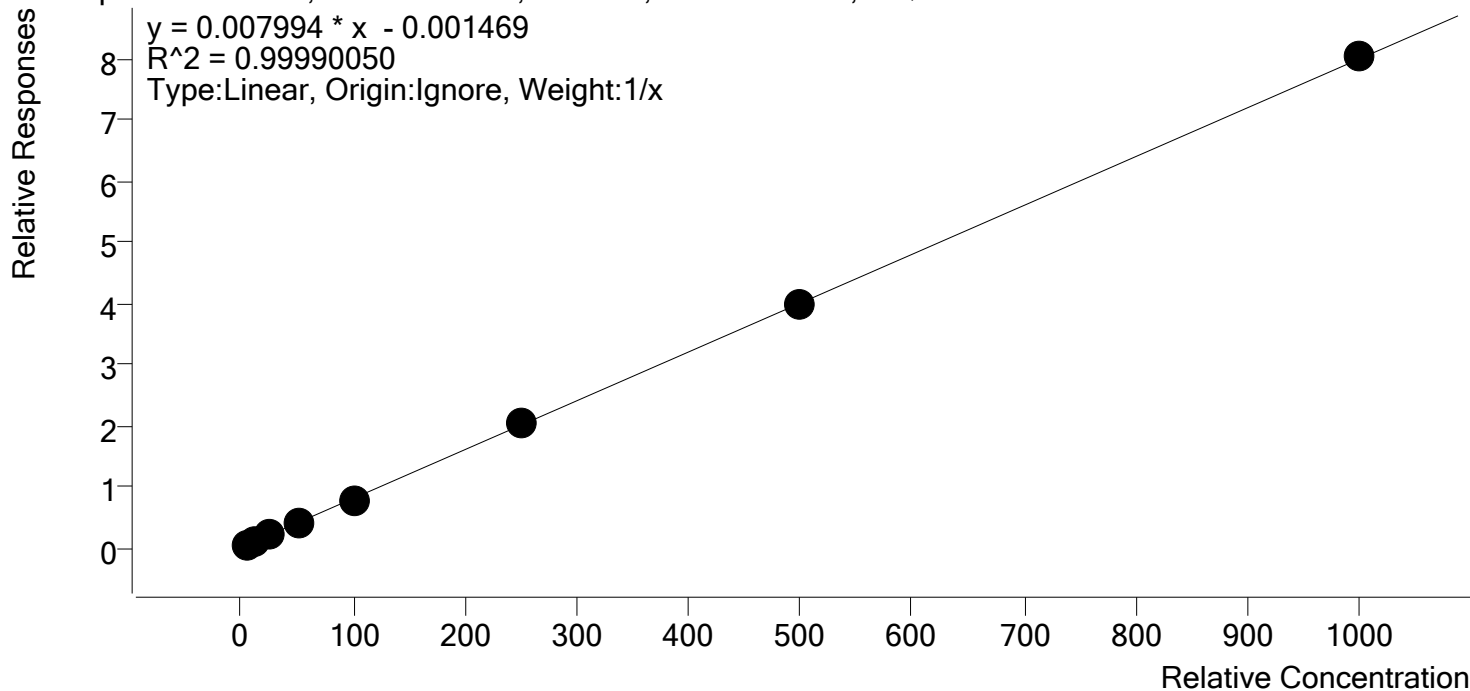
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	498.6	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1004.2	100.4



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

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

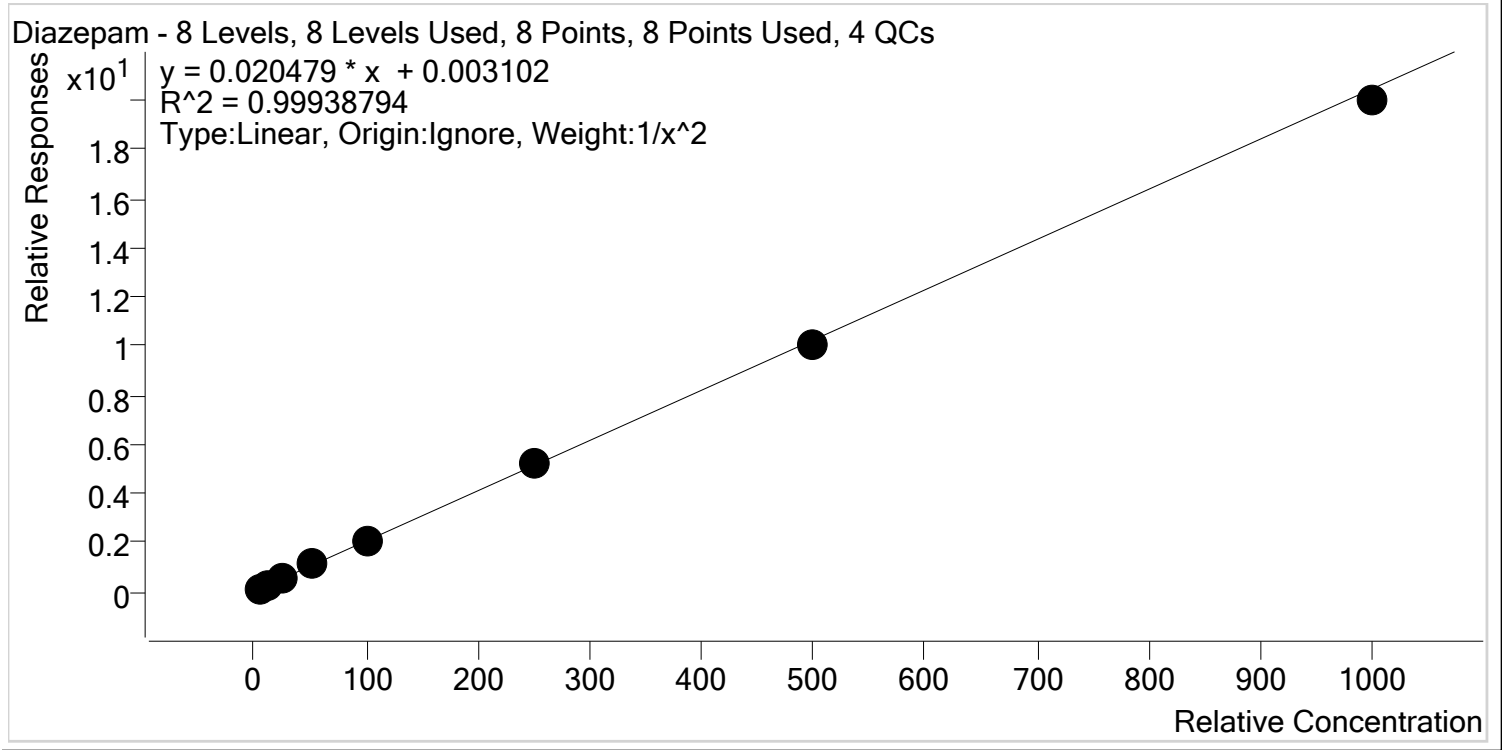


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	495.9	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1004.9	100.5



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	976.6	97.7

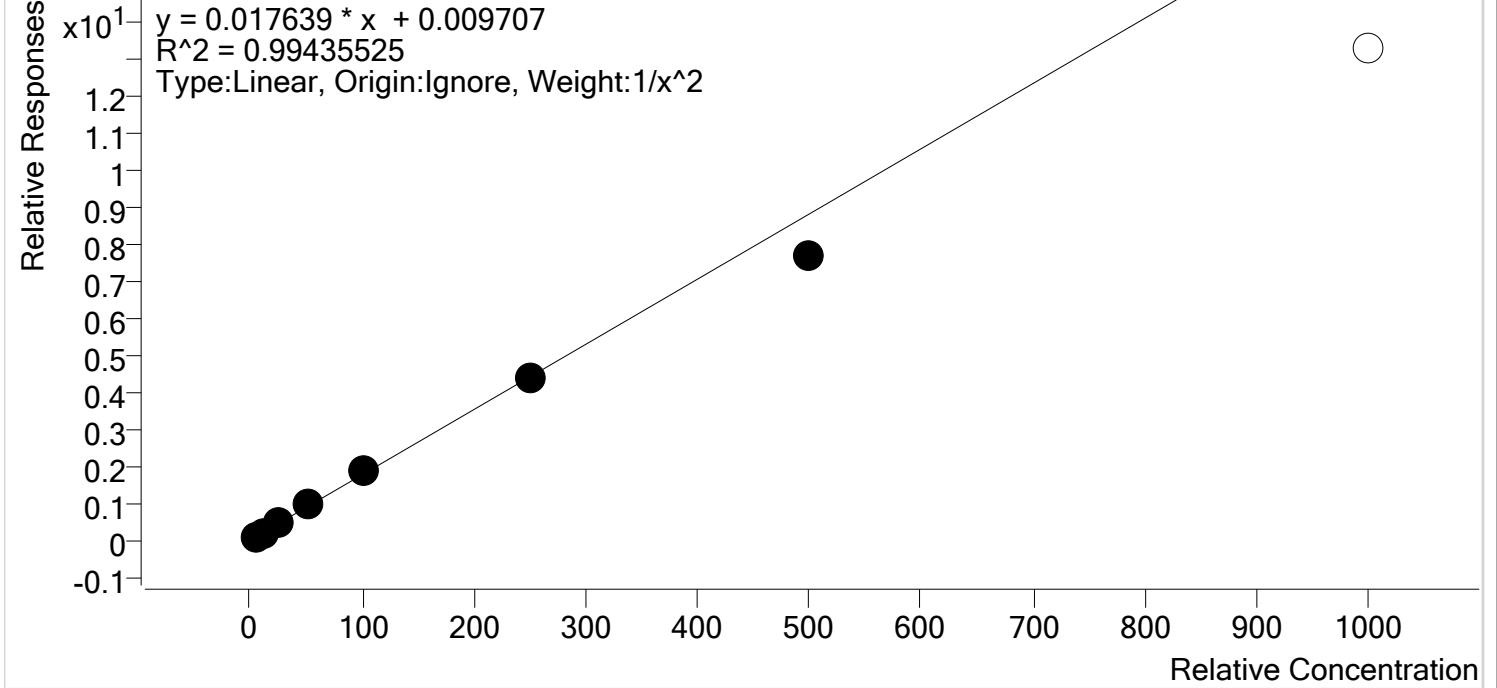




# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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

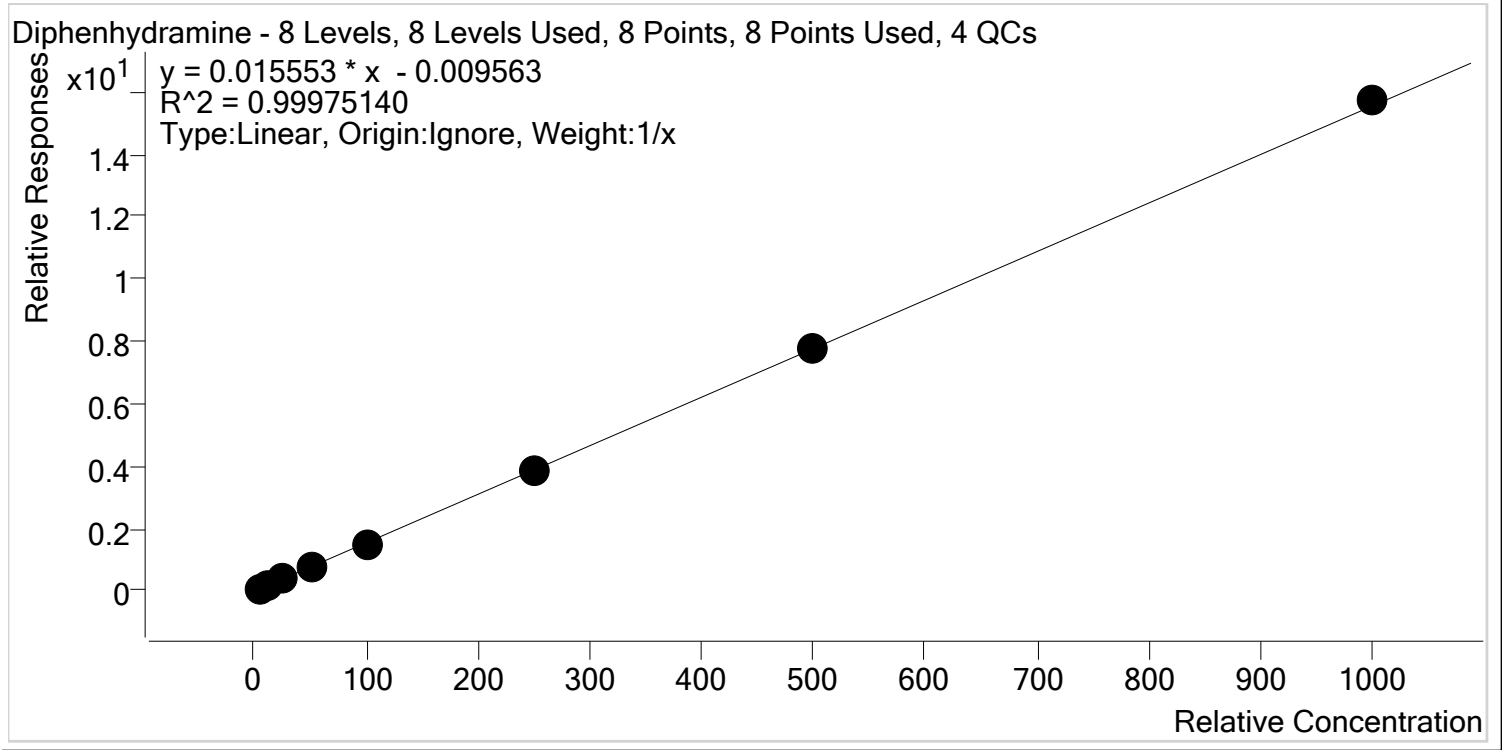


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.2
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	436.2	87.2
p1 Cal 8-1000ng	8	✗	1000.0	753.7	75.4



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

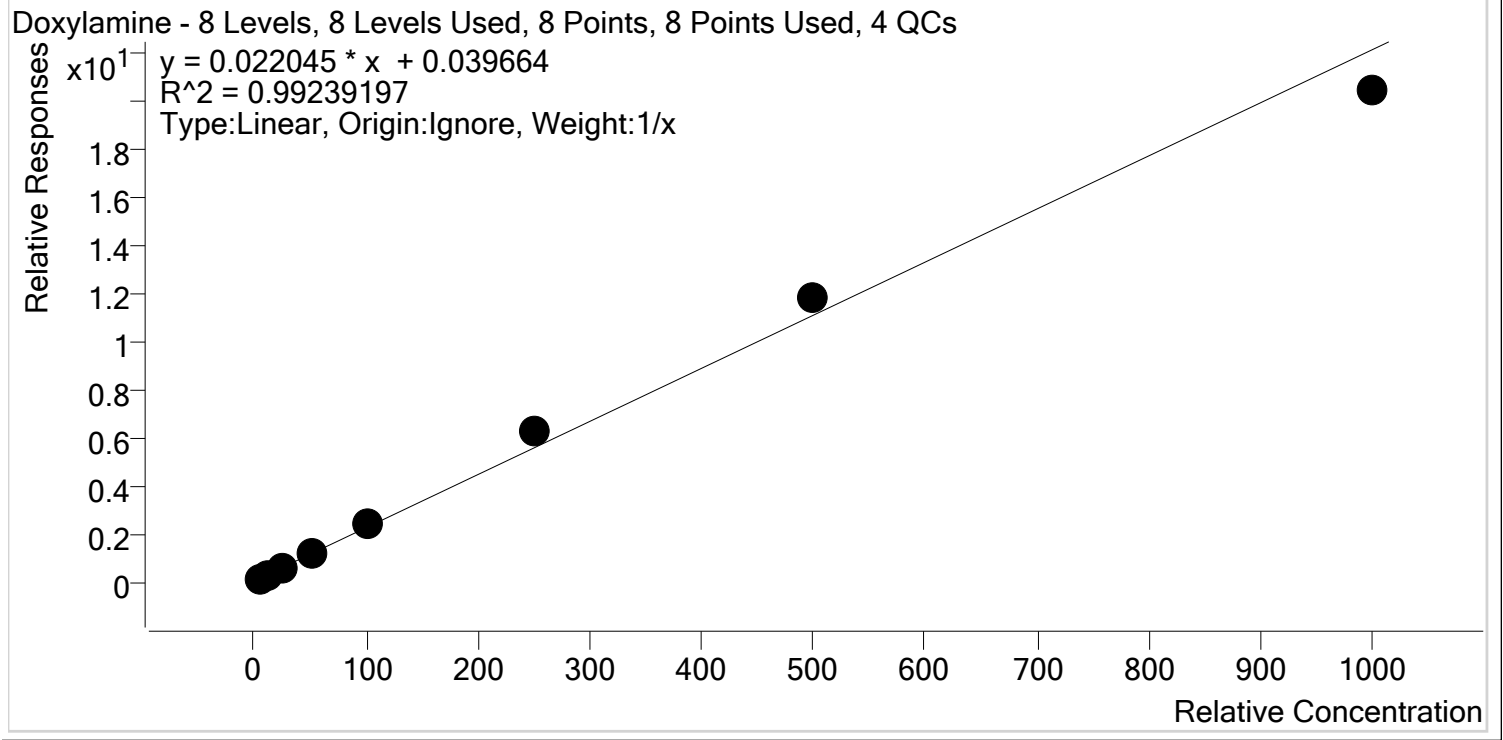


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1011.3	101.1



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

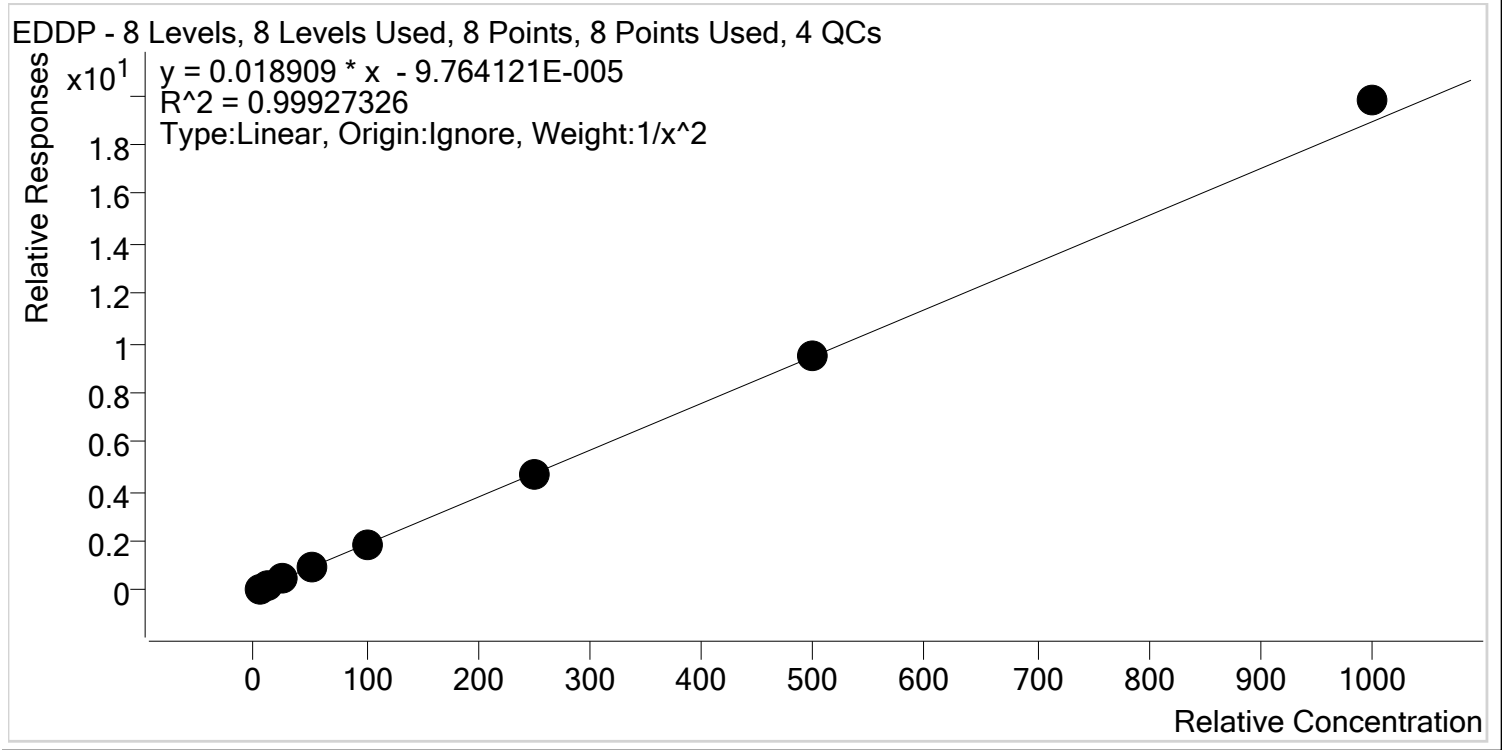


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.8	76.4
p1 Cal 2- 10ng	2	✓	10.0	9.2	91.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	108.8	108.8
p1 Cal 6-250ng	6	✓	250.0	280.5	112.2
p1 Cal 7-500ng	7	✓	500.0	534.4	106.9
p1 Cal 8-1000ng	8	✓	1000.0	923.1	92.3



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

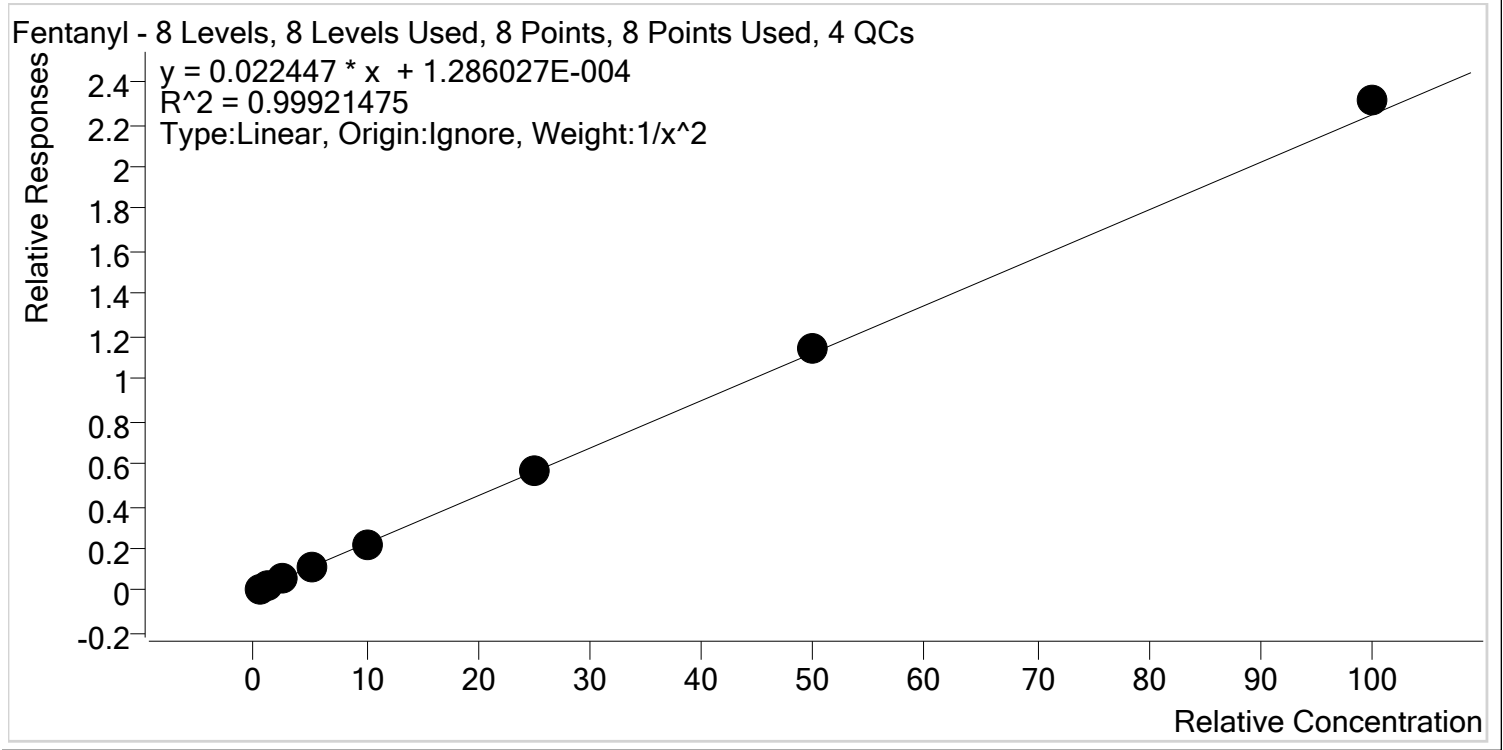


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	502.6	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1045.0	104.5



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

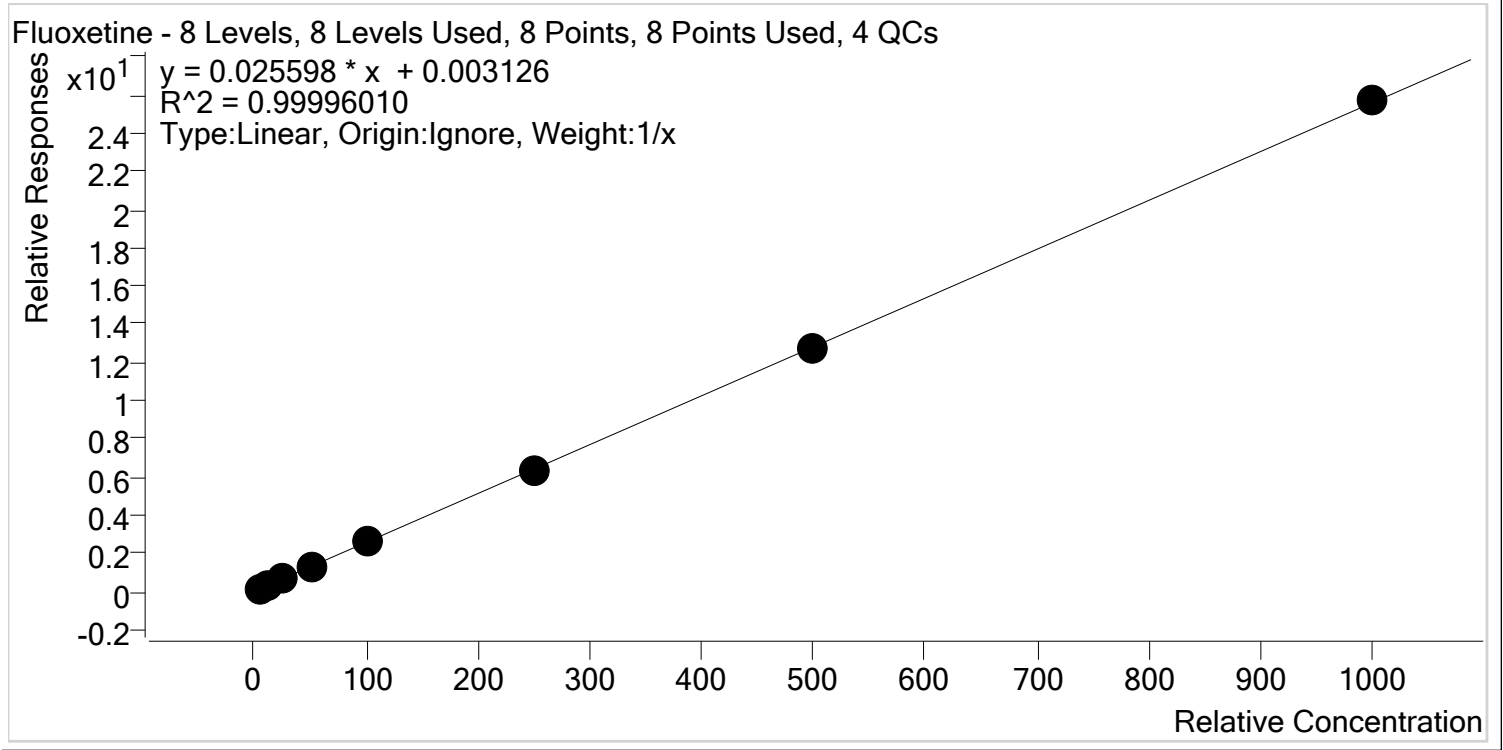


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.7
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.1
p1 Cal 4-50ng	4	✓	5.0	4.9	98.3
p1 Cal 5-100ng	5	✓	10.0	9.8	98.1
p1 Cal 6-250ng	6	✓	25.0	25.0	100.2
p1 Cal 7-500ng	7	✓	50.0	51.0	102.0
p1 Cal 8-1000ng	8	✓	100.0	103.0	103.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

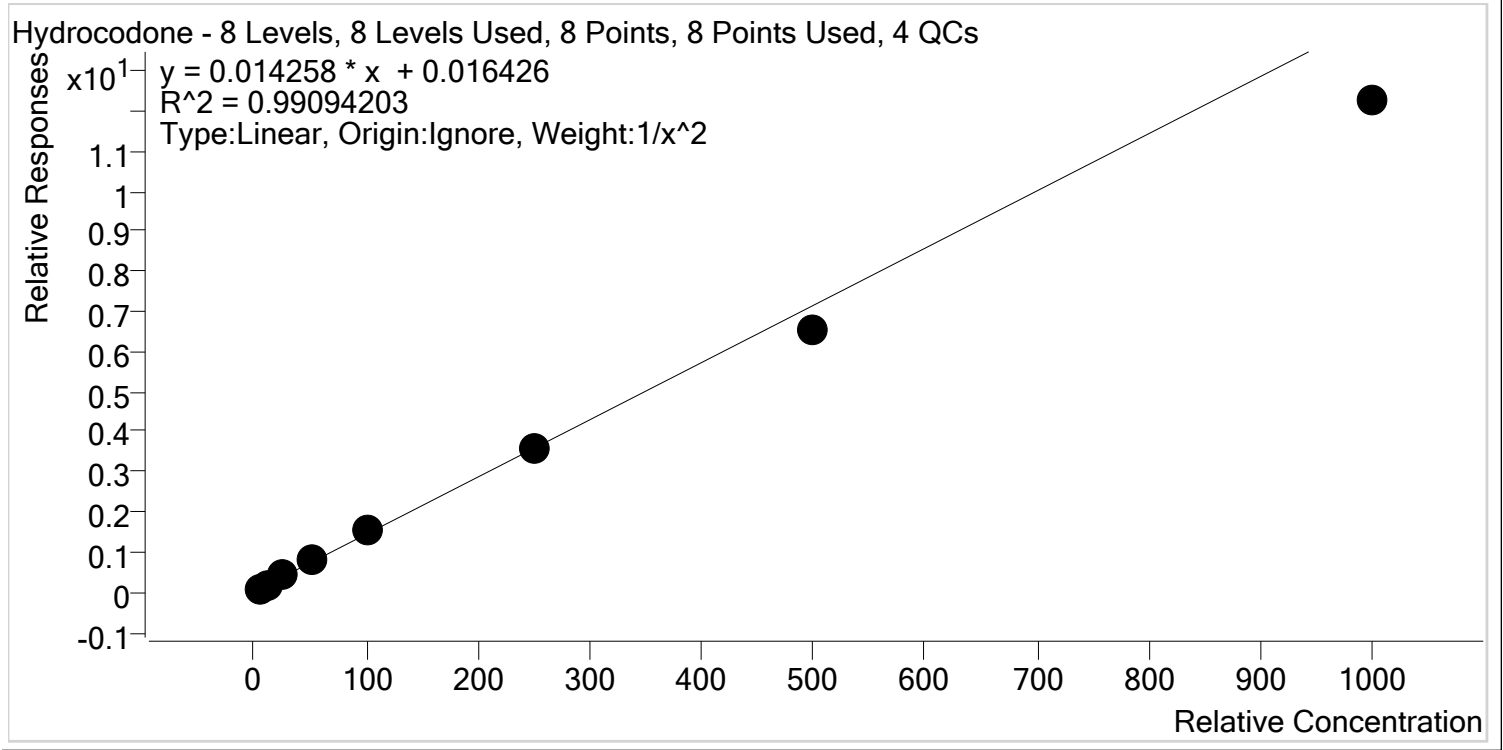


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	495.6	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1004.5	100.5



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

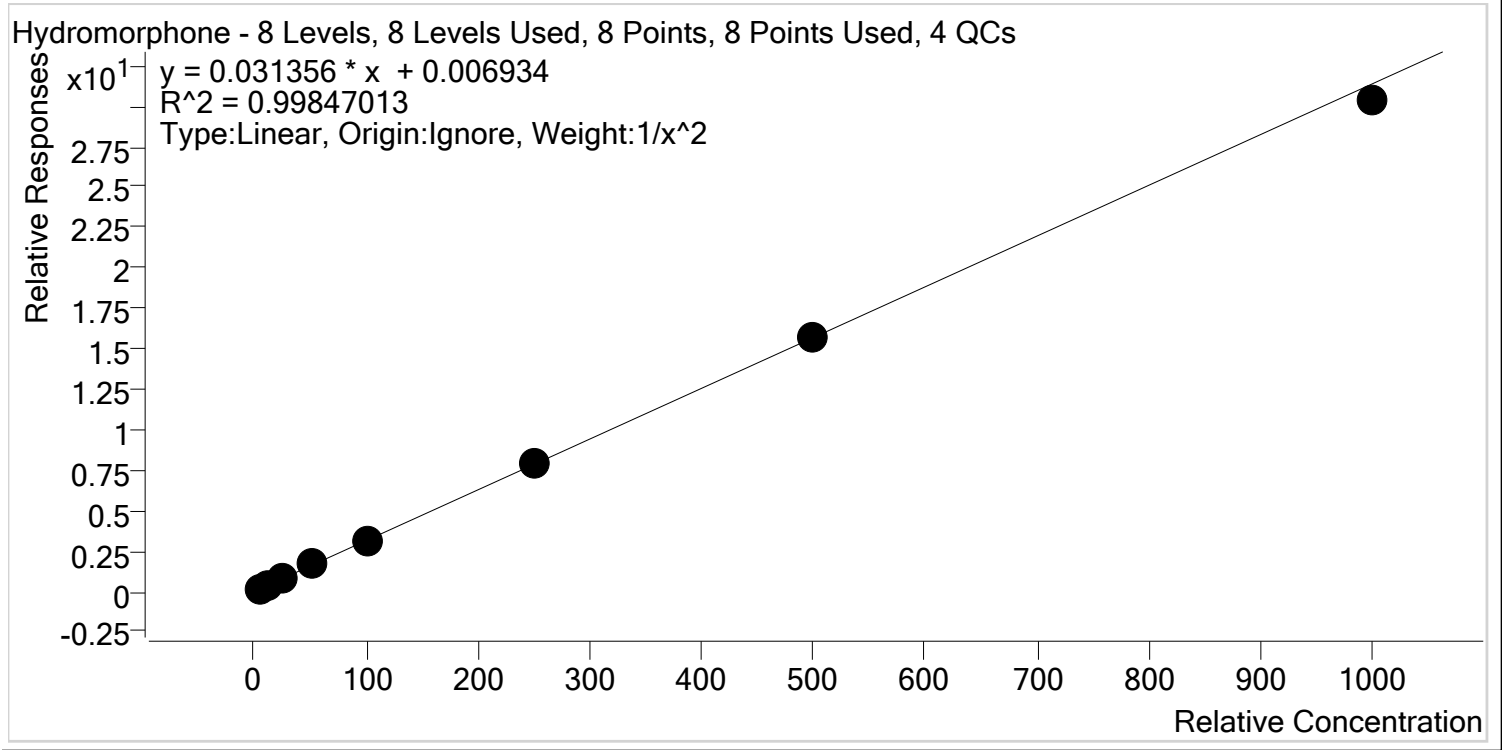


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	54.4	108.9
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	249.6	99.9
p1 Cal 7-500ng	7	✓	500.0	459.3	91.9
p1 Cal 8-1000ng	8	✓	1000.0	858.0	85.8



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6



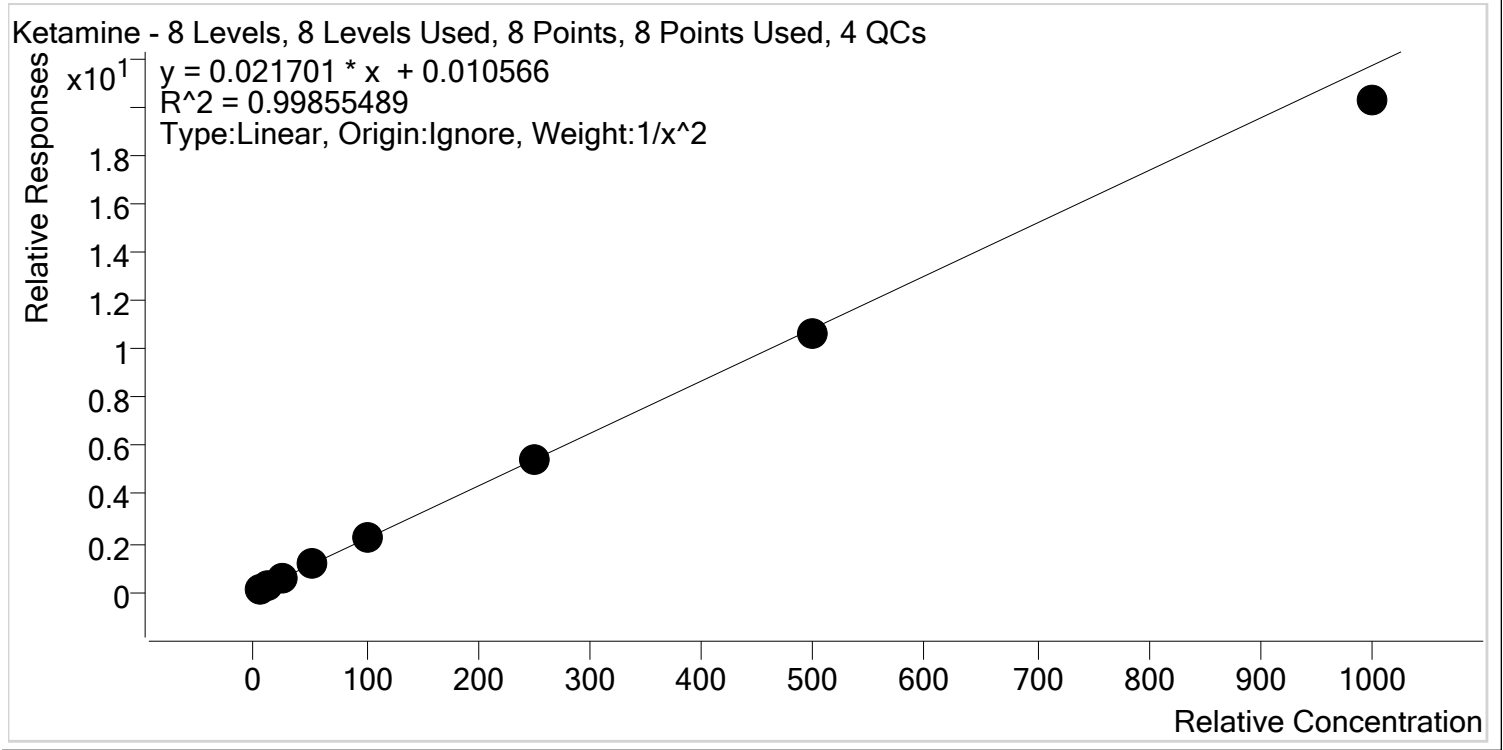
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2- 10ng	2	✓	10.0	9.3	93.3
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	500.6	100.1
p1 Cal 8-1000ng	8	✓	1000.0	967.1	96.7





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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



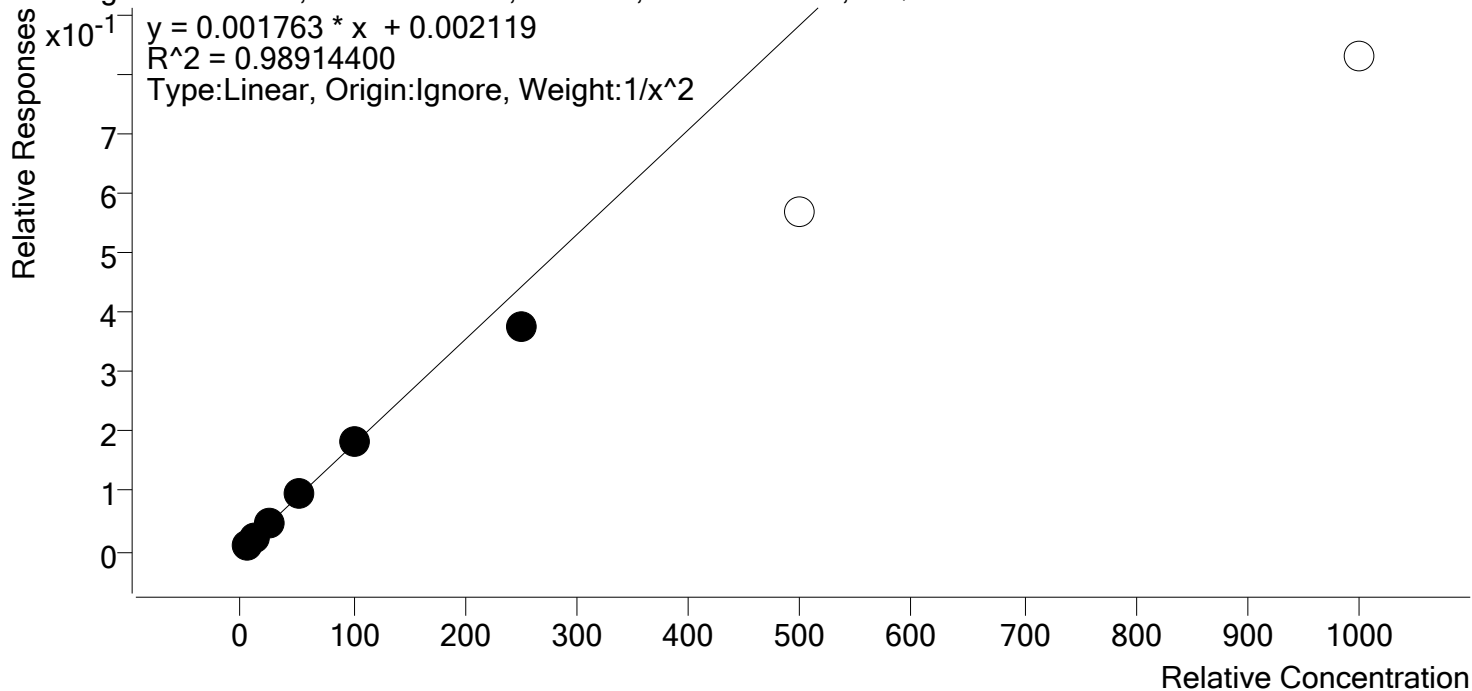
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	489.9	98.0
p1 Cal 8-1000ng	8	✓	1000.0	933.2	93.3



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4

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

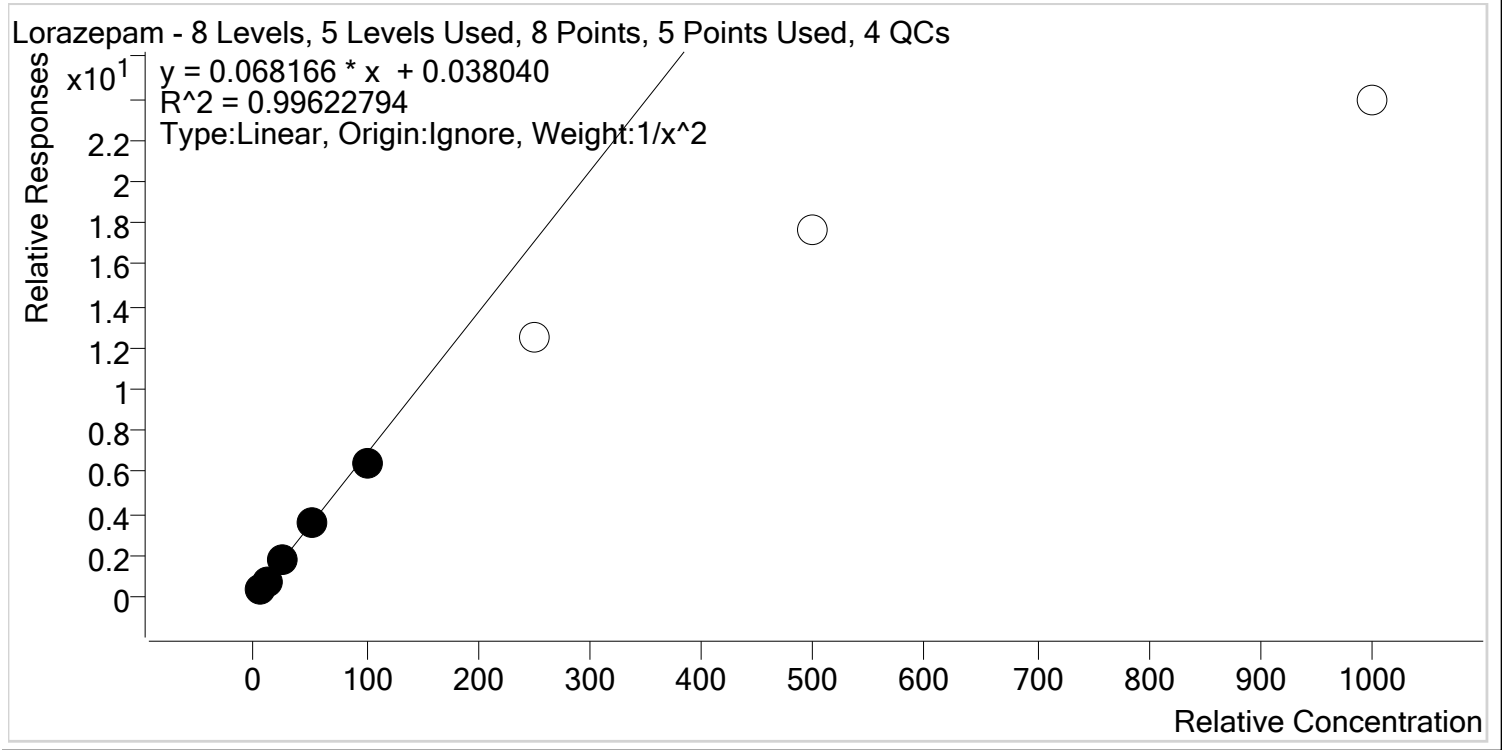


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	211.8	84.7
p1 Cal 7-500ng	7	x	500.0	323.1	64.6
p1 Cal 8-1000ng	8	x	1000.0	469.5	47.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4



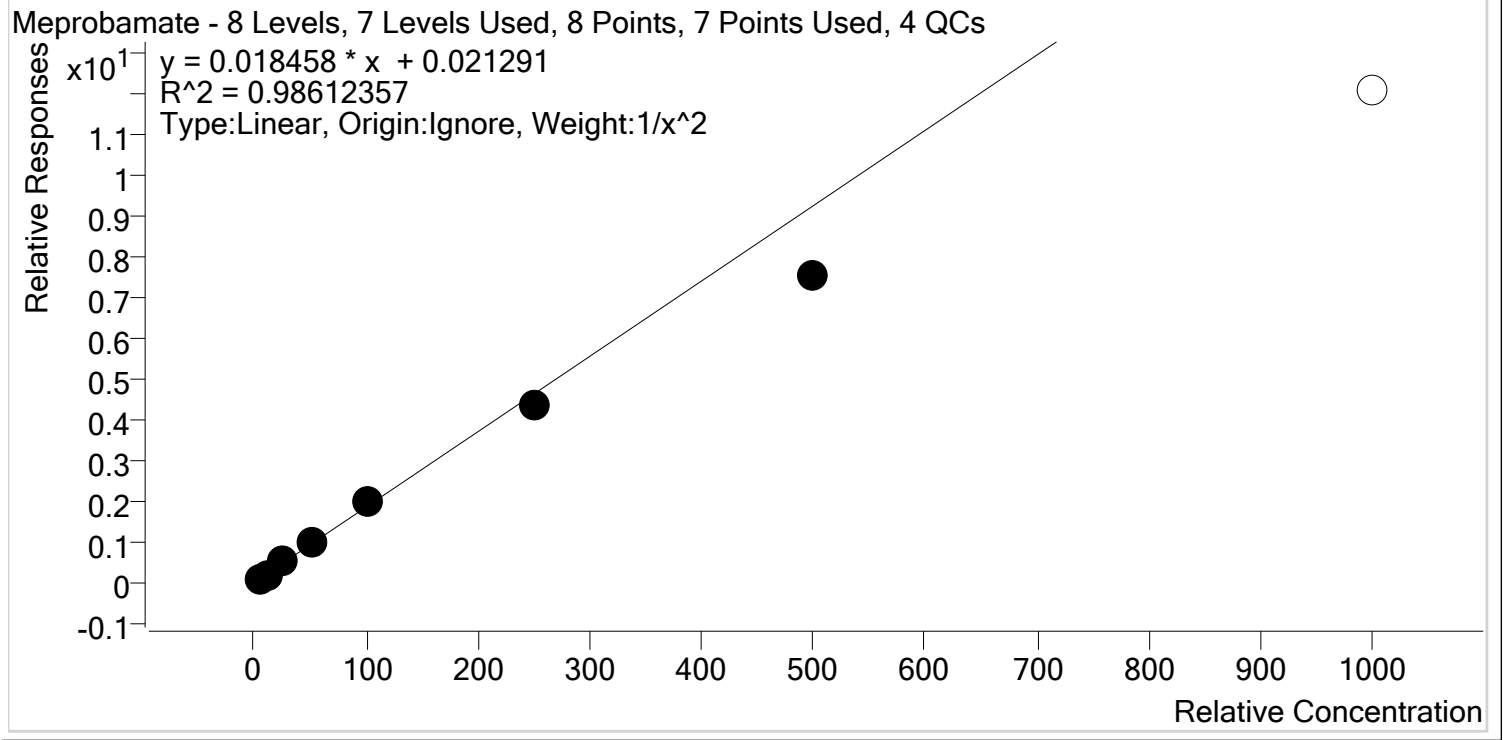
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	92.6	92.6
p1 Cal 6-250ng	6	✗	250.0	182.7	73.1
p1 Cal 7-500ng	7	✗	500.0	257.7	51.5
p1 Cal 8-1000ng	8	✗	1000.0	350.0	35.0

g



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

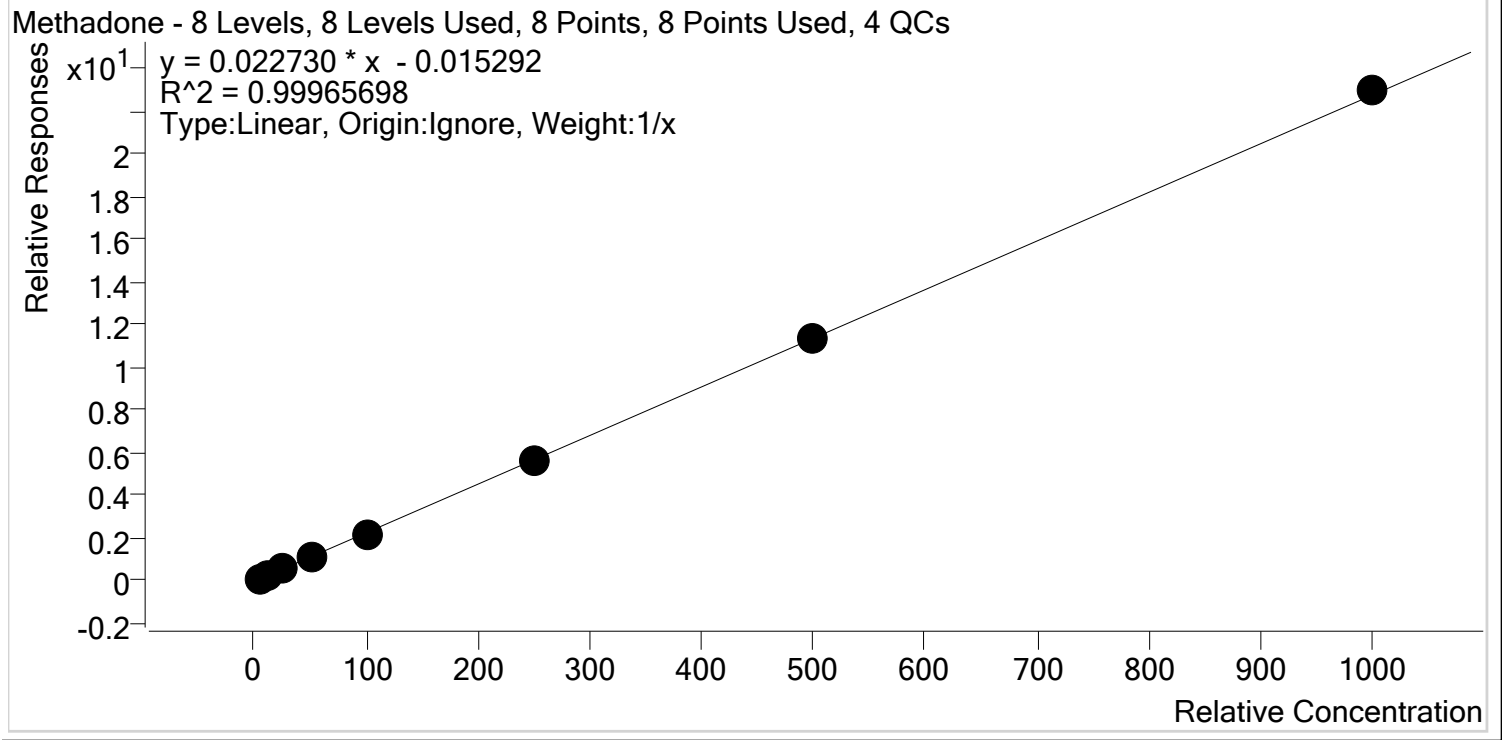


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	55.6	111.2
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	236.4	94.6
p1 Cal 7-500ng	7	✓	500.0	409.2	81.8
p1 Cal 8-1000ng	8	x	1000.0	652.8	65.3



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

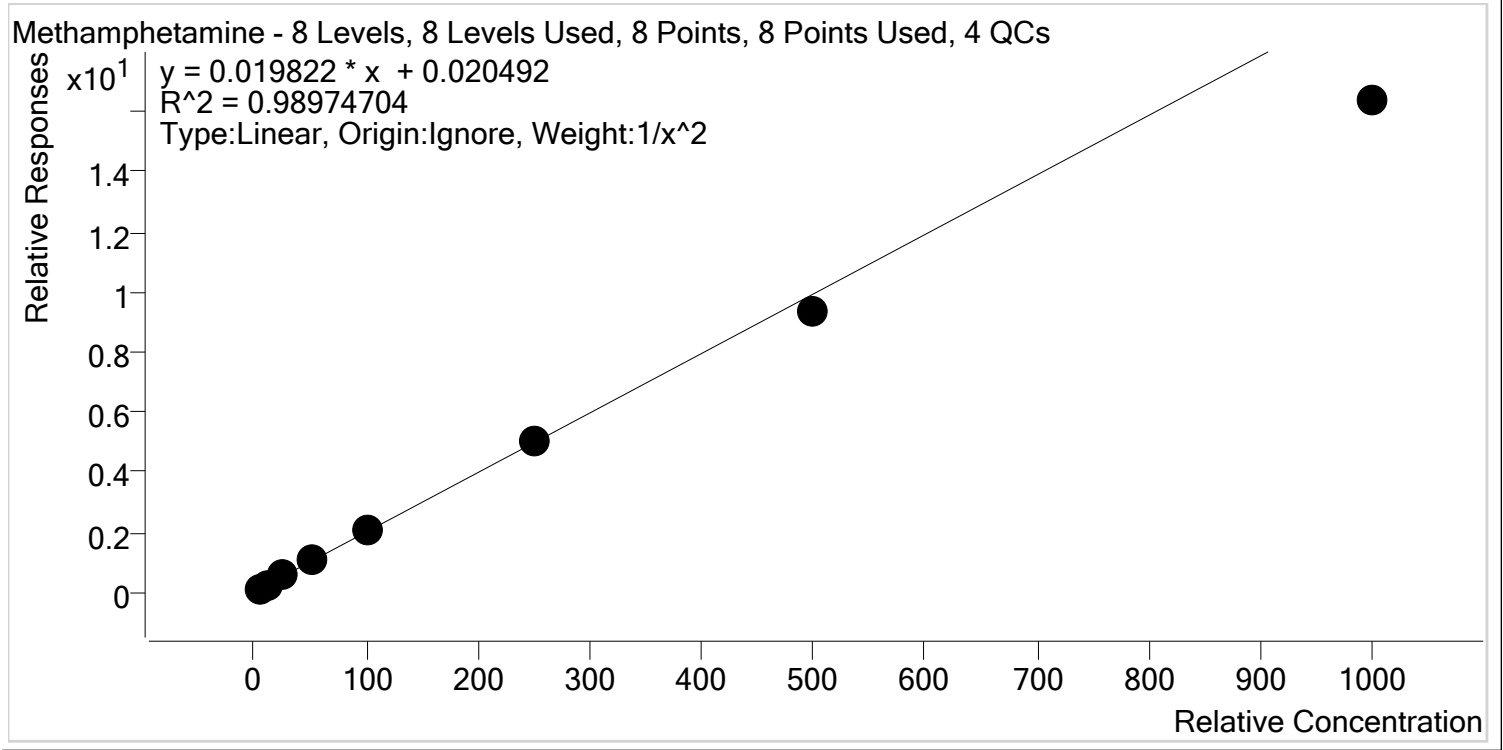


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	109.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	94.3	94.3
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	502.2	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1009.5	100.9



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

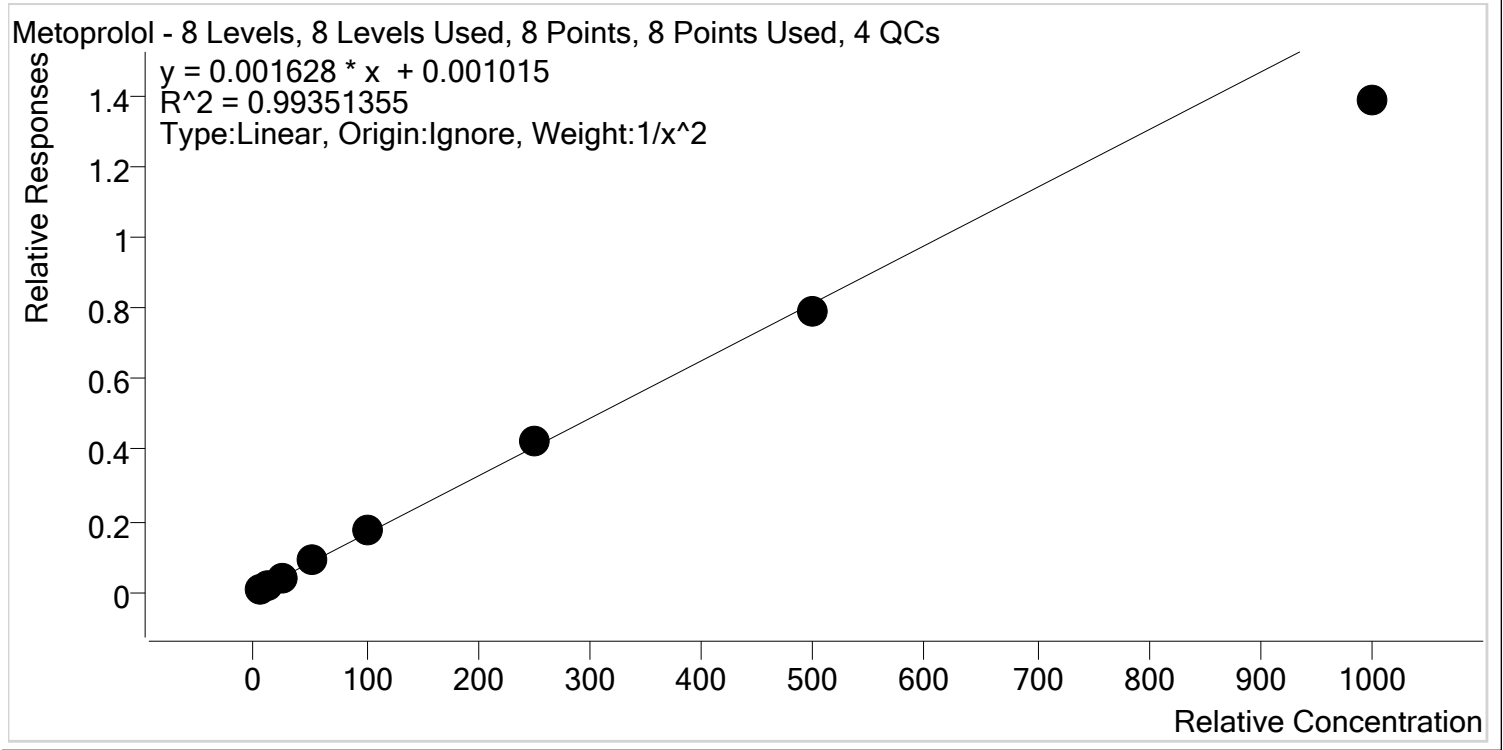


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	106.5	106.5
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	470.9	94.2
p1 Cal 8-1000ng	8	✓	1000.0	825.0	82.5



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



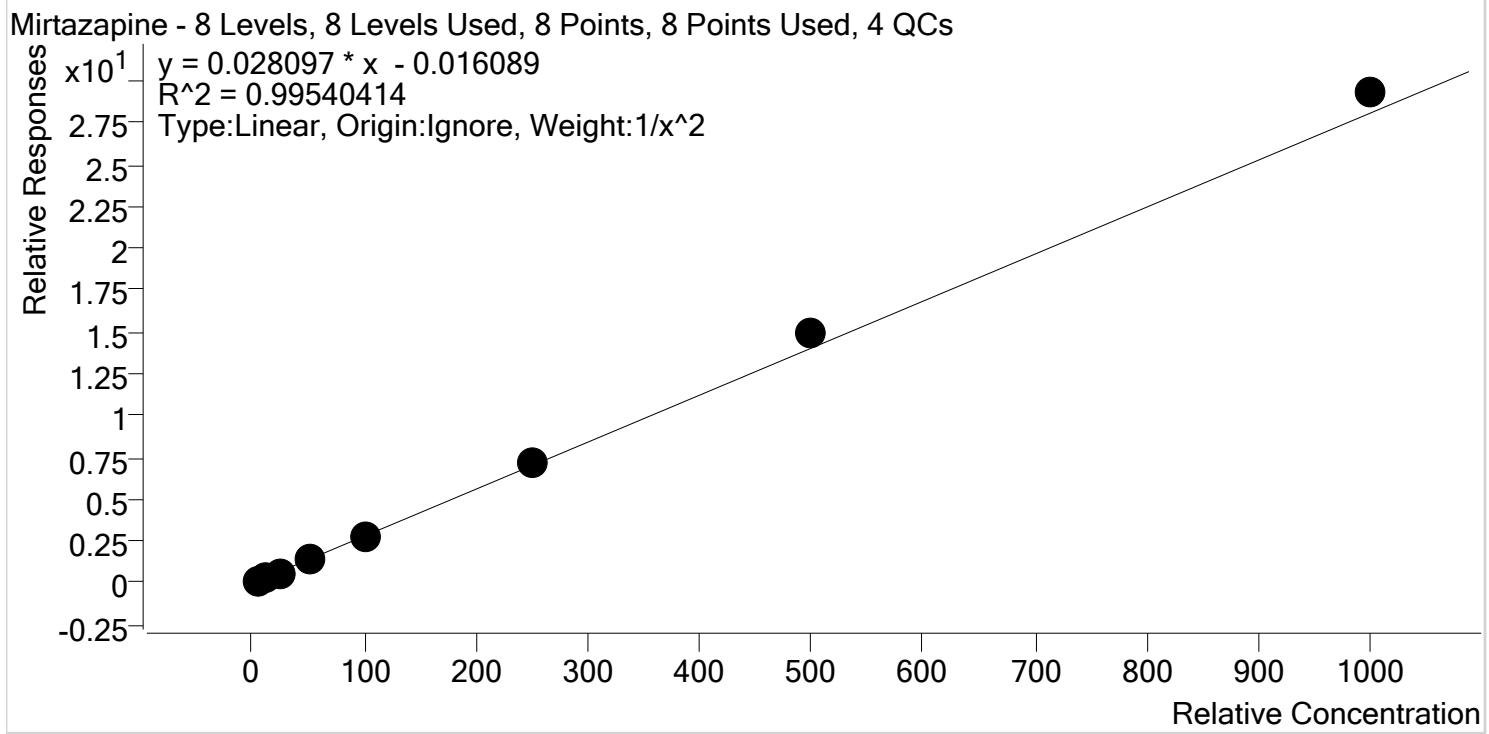
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	263.3	105.3
p1 Cal 7-500ng	7	✓	500.0	484.2	96.8
p1 Cal 8-1000ng	8	✓	1000.0	850.8	85.1

g



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



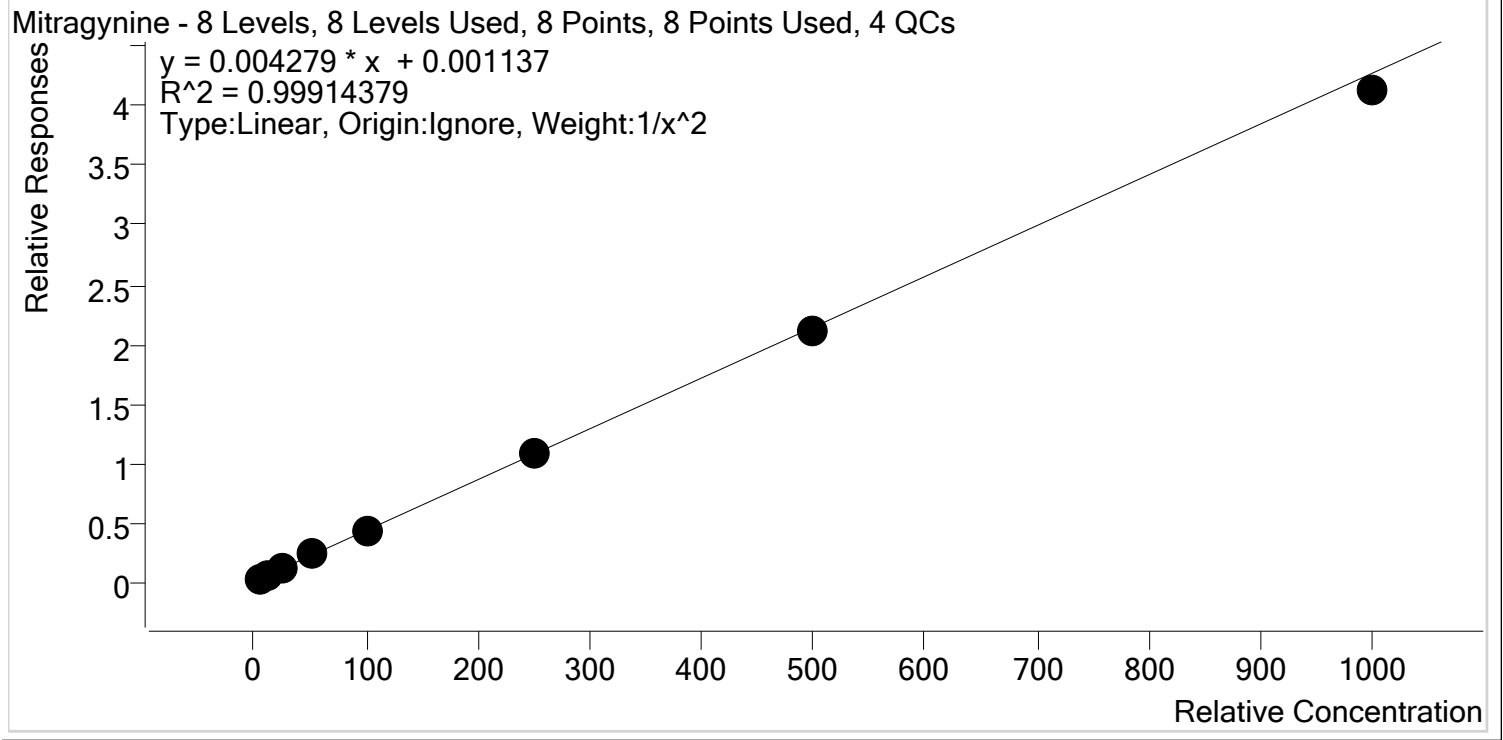
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.3
p1 Cal 2- 10ng	2	✓	10.0	9.4	93.8
p1 Cal 3 -25ng	3	✓	25.0	22.4	89.4
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	528.9	105.8
p1 Cal 8-1000ng	8	✓	1000.0	1043.7	104.4





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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9

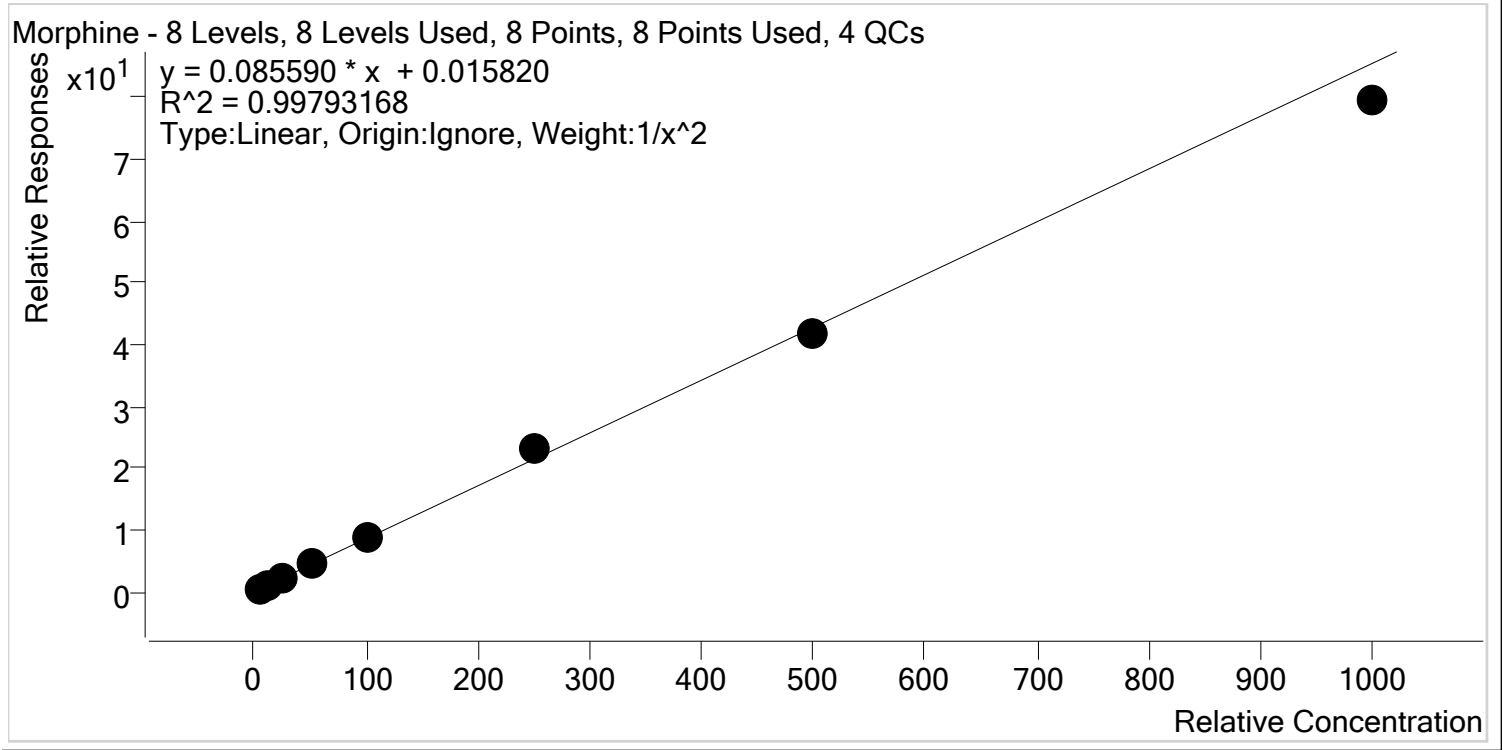


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	492.3	98.5
p1 Cal 8-1000ng	8	✓	1000.0	965.9	96.6



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

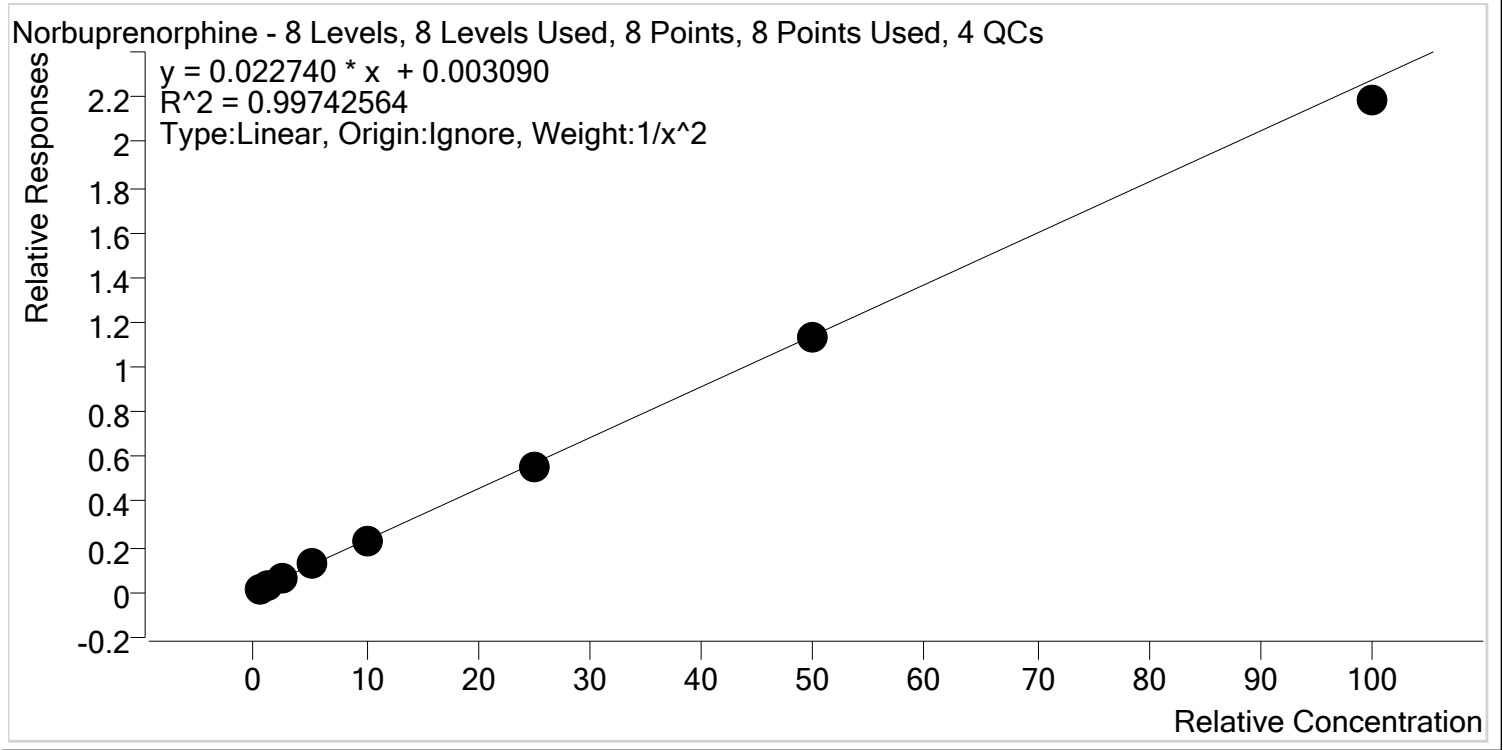


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	49.9	99.7
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	267.2	106.9
p1 Cal 7-500ng	7	✓	500.0	487.4	97.5
p1 Cal 8-1000ng	8	✓	1000.0	929.6	93.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



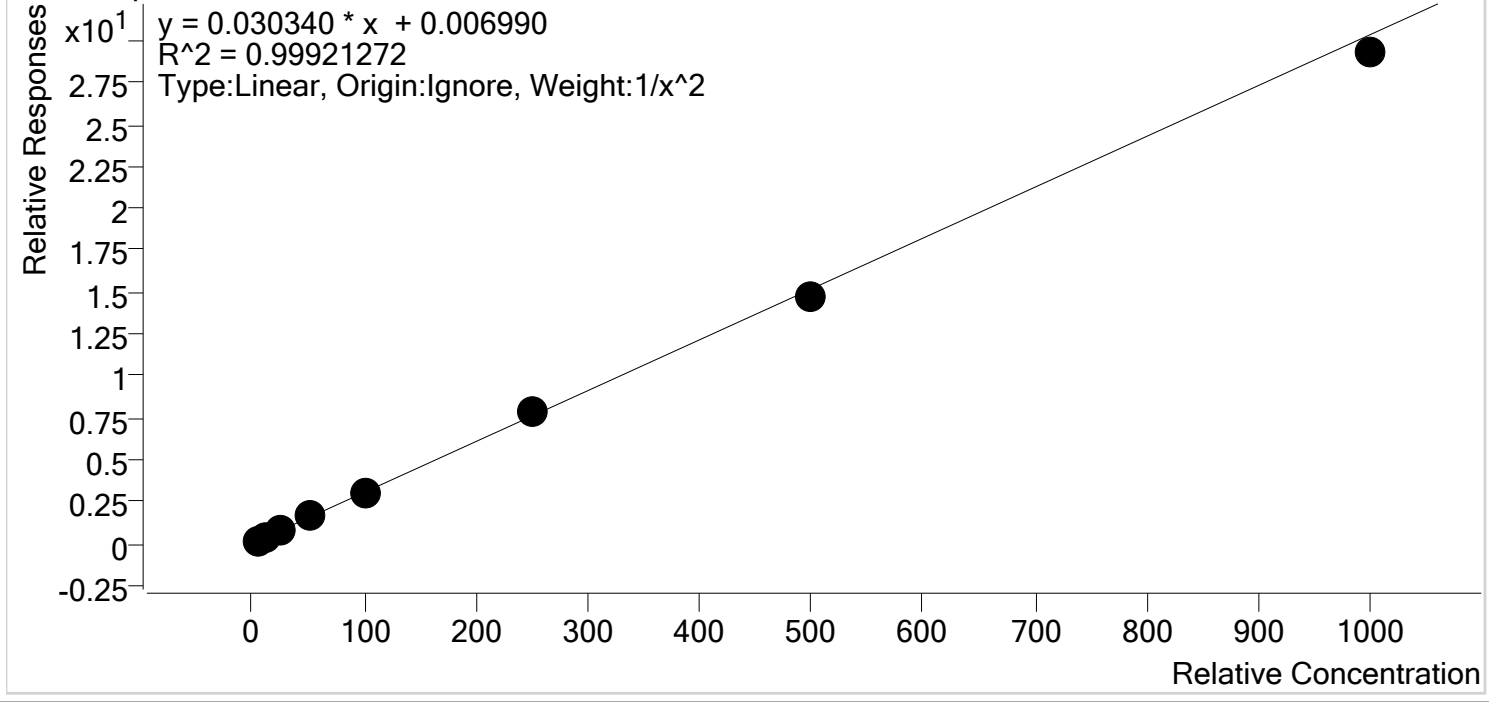
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	95.6
p1 Cal 2- 10ng	2	✓	1.0	1.1	107.8
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.2
p1 Cal 4-50ng	4	✓	5.0	5.2	104.5
p1 Cal 5-100ng	5	✓	10.0	9.9	99.0
p1 Cal 6-250ng	6	✓	25.0	24.0	96.0
p1 Cal 7-500ng	7	✓	50.0	50.0	99.9
p1 Cal 8-1000ng	8	✓	100.0	95.9	95.9



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5

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

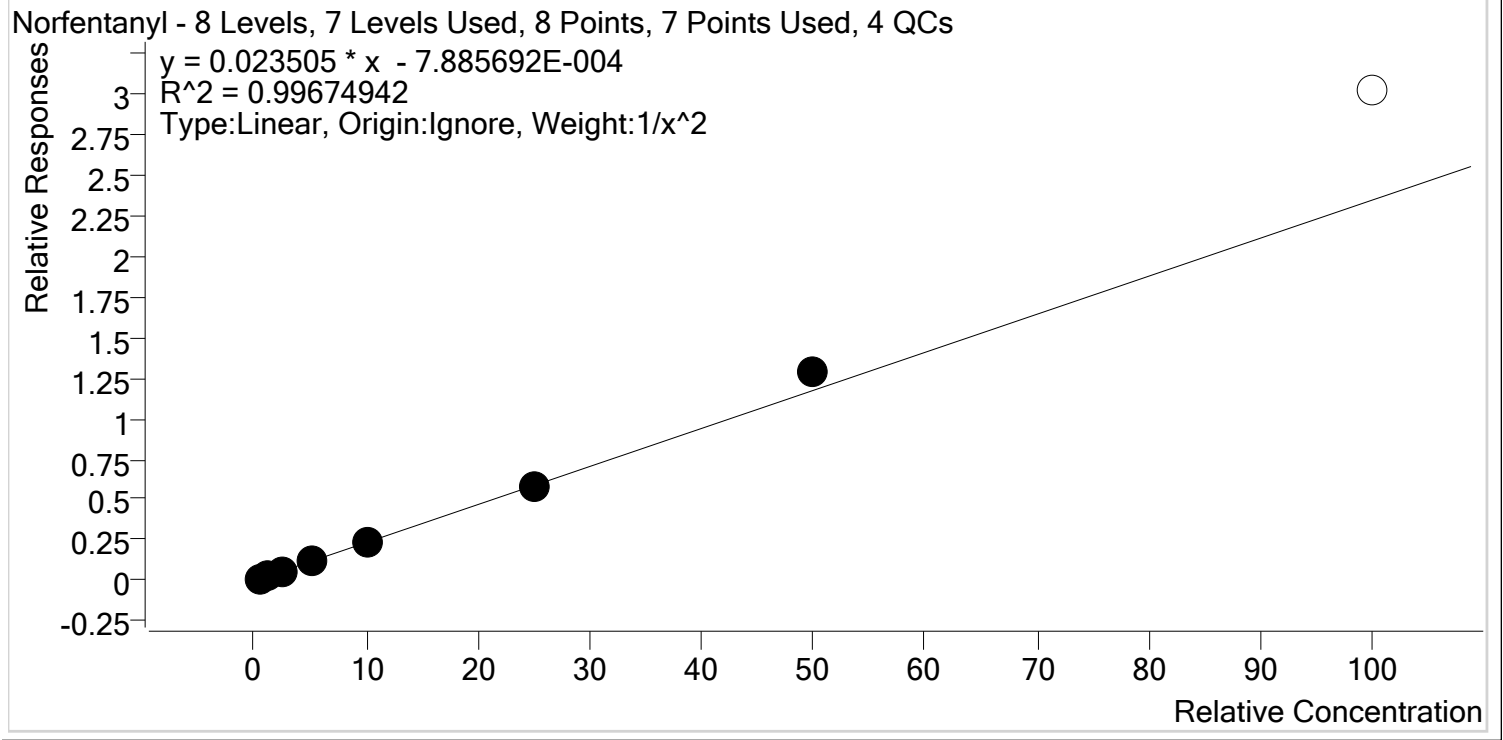


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	487.4	97.5
p1 Cal 8-1000ng	8	✓	1000.0	964.8	96.5



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

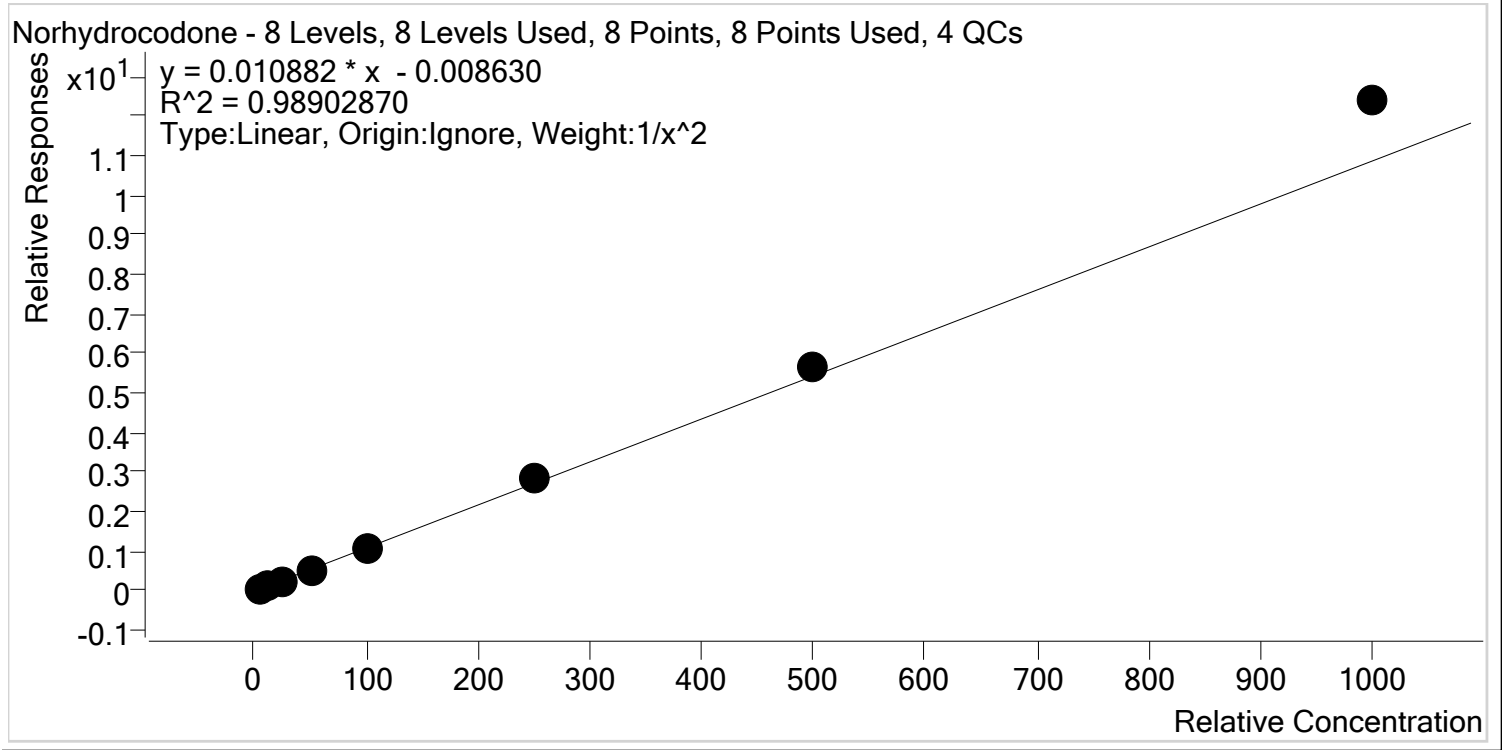


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.2
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.3
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.6
p1 Cal 4-50ng	4	✓	5.0	4.9	98.5
p1 Cal 5-100ng	5	✓	10.0	9.6	96.4
p1 Cal 6-250ng	6	✓	25.0	25.2	100.7
p1 Cal 7-500ng	7	✓	50.0	54.7	109.3
p1 Cal 8-1000ng	8	✗	100.0	128.8	128.8



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

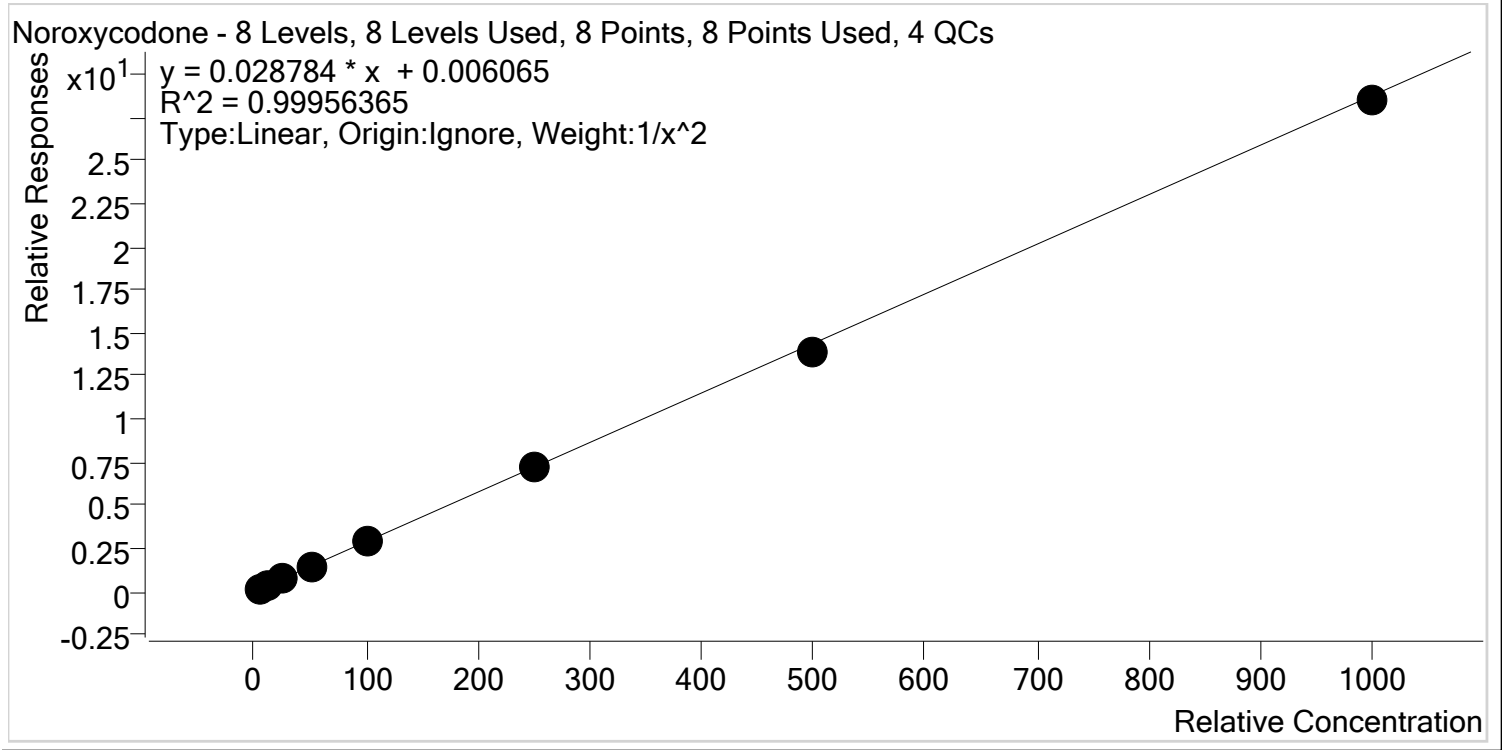


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.5
p1 Cal 2- 10ng	2	✓	10.0	9.4	94.2
p1 Cal 3 -25ng	3	✓	25.0	21.3	85.3
p1 Cal 4-50ng	4	✓	50.0	46.5	92.9
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	262.3	104.9
p1 Cal 7-500ng	7	✓	500.0	520.9	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1140.6	114.1



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

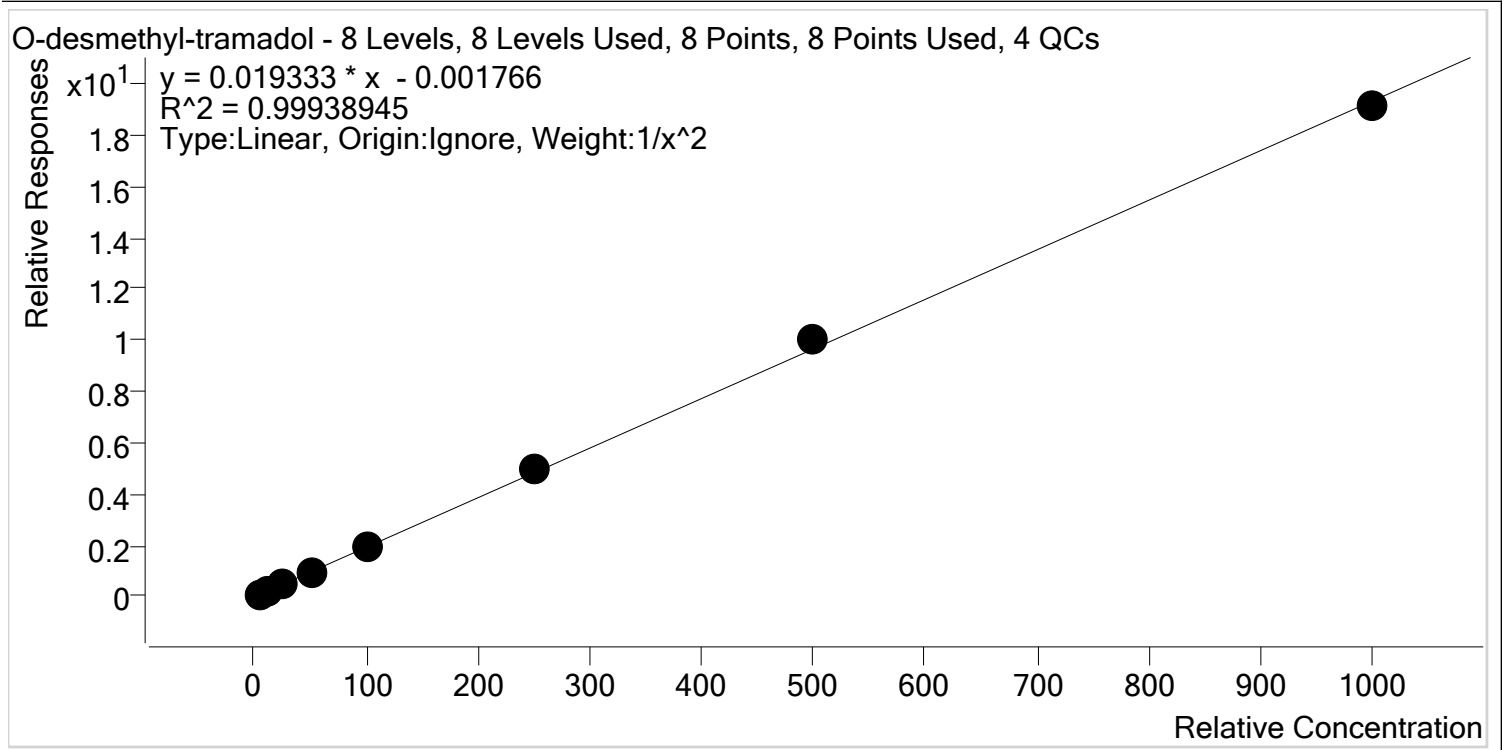


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.2
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	485.2	97.0
p1 Cal 8-1000ng	8	✓	1000.0	990.0	99.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



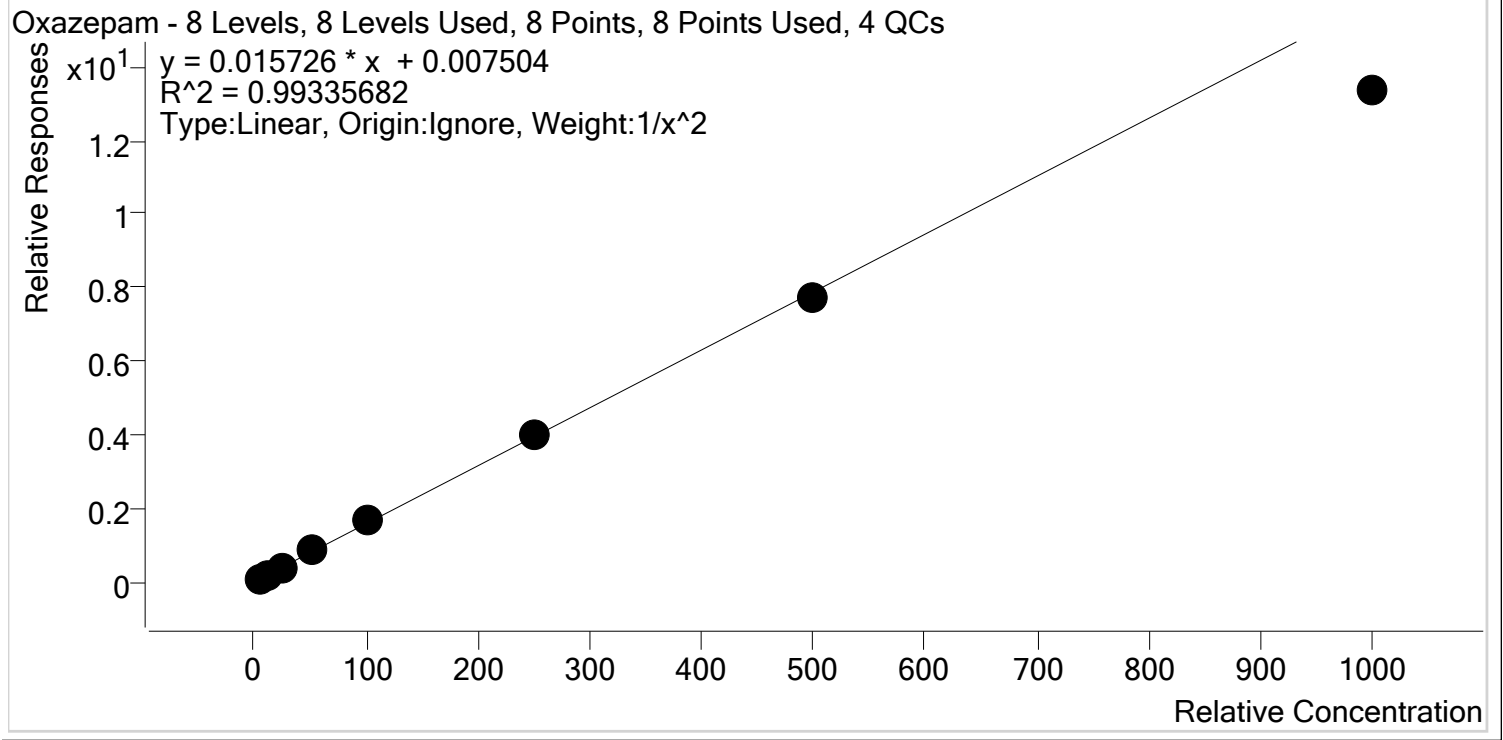
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	516.9	103.4
p1 Cal 8-1000ng	8	✓	1000.0	989.7	99.0





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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

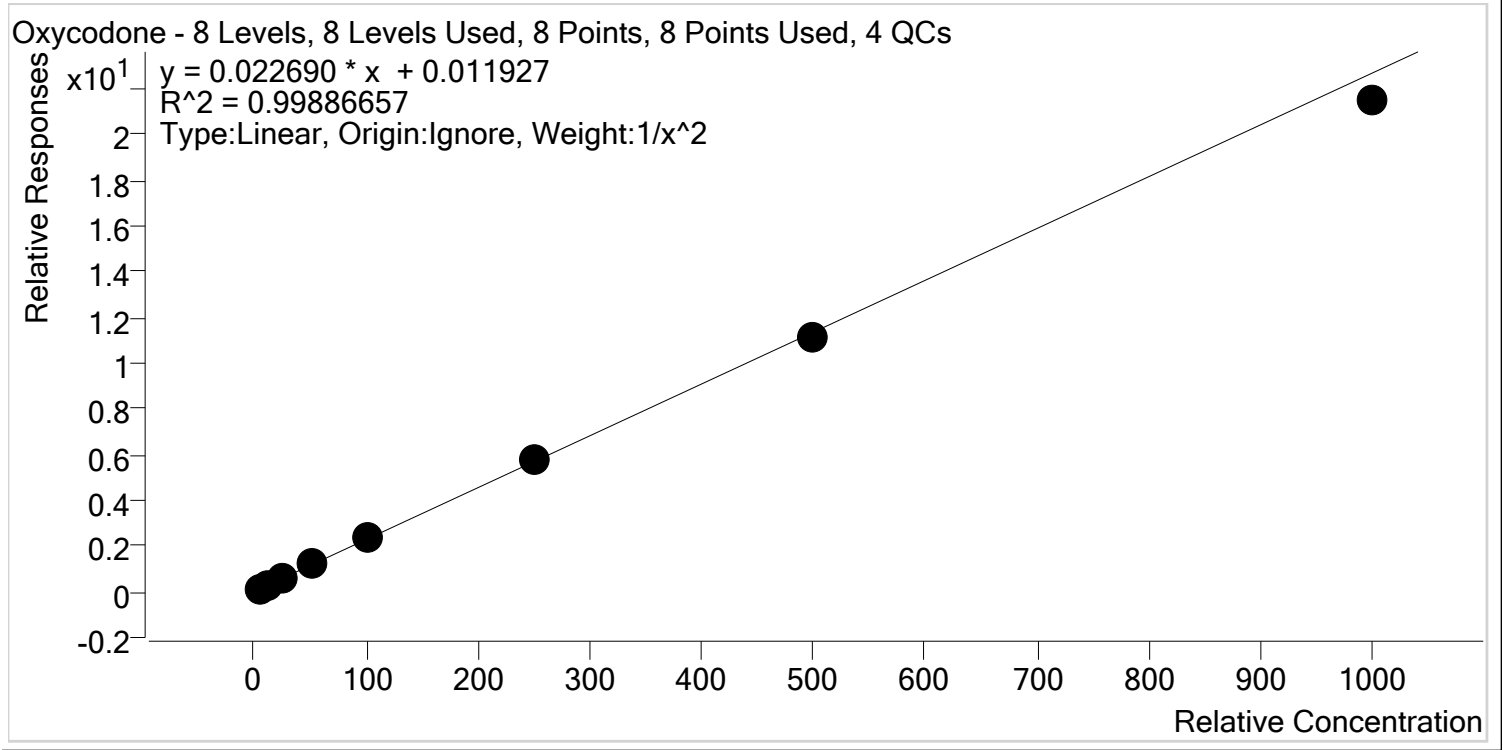


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	489.0	97.8
p1 Cal 8-1000ng	8	✓	1000.0	848.0	84.8



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

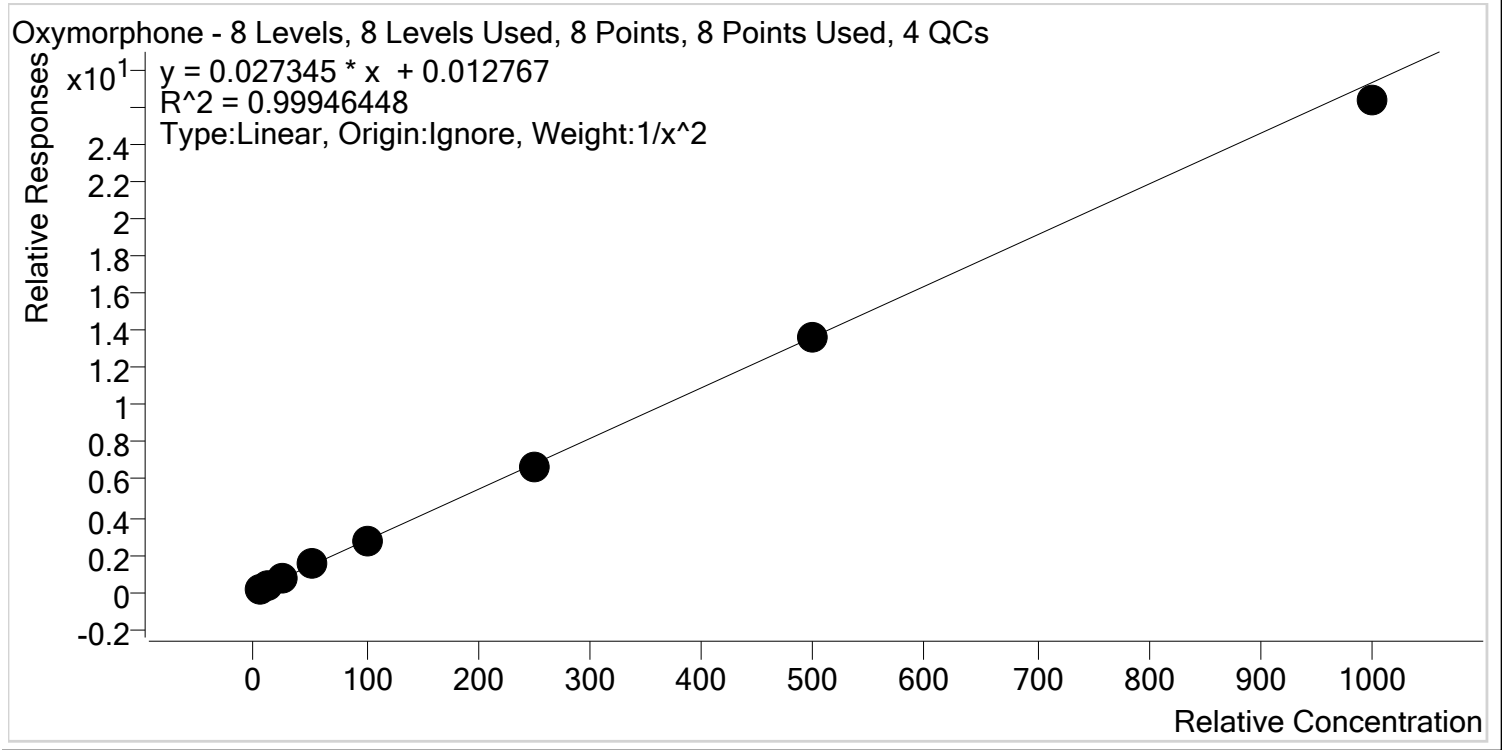


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	488.8	97.8
p1 Cal 8-1000ng	8	✓	1000.0	946.9	94.7



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

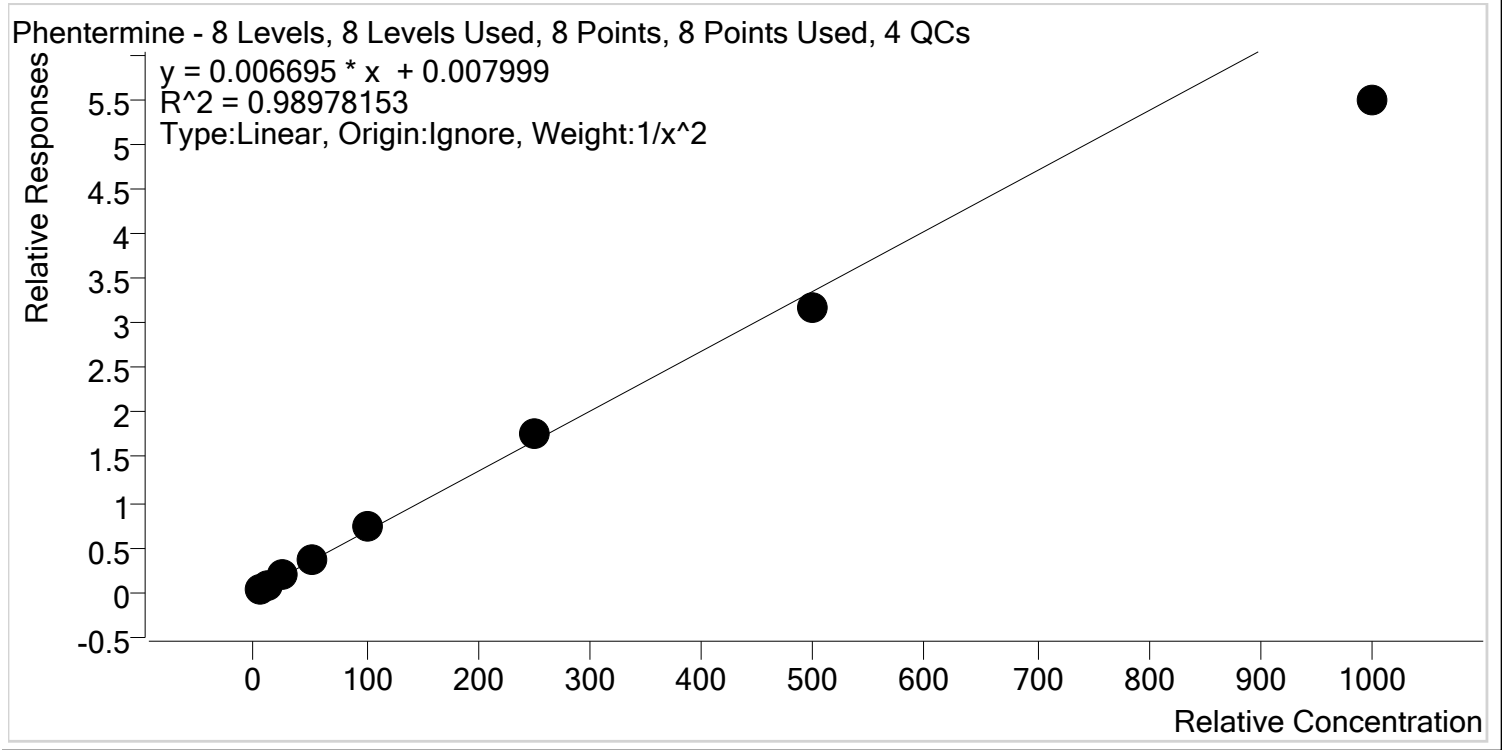


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	499.6	99.9
p1 Cal 8-1000ng	8	✓	1000.0	964.4	96.4



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5

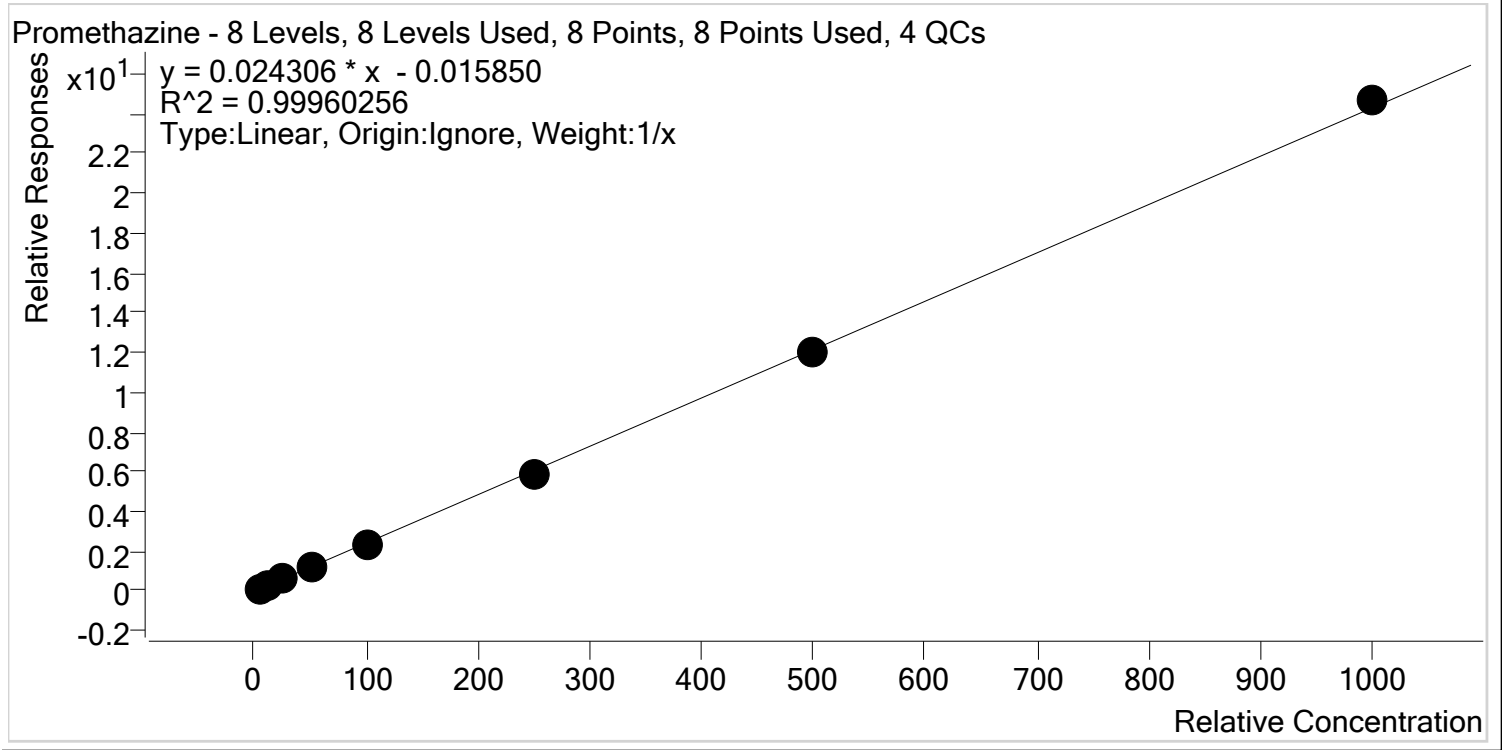


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	264.8	105.9
p1 Cal 7-500ng	7	✓	500.0	473.3	94.7
p1 Cal 8-1000ng	8	✓	1000.0	816.9	81.7



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

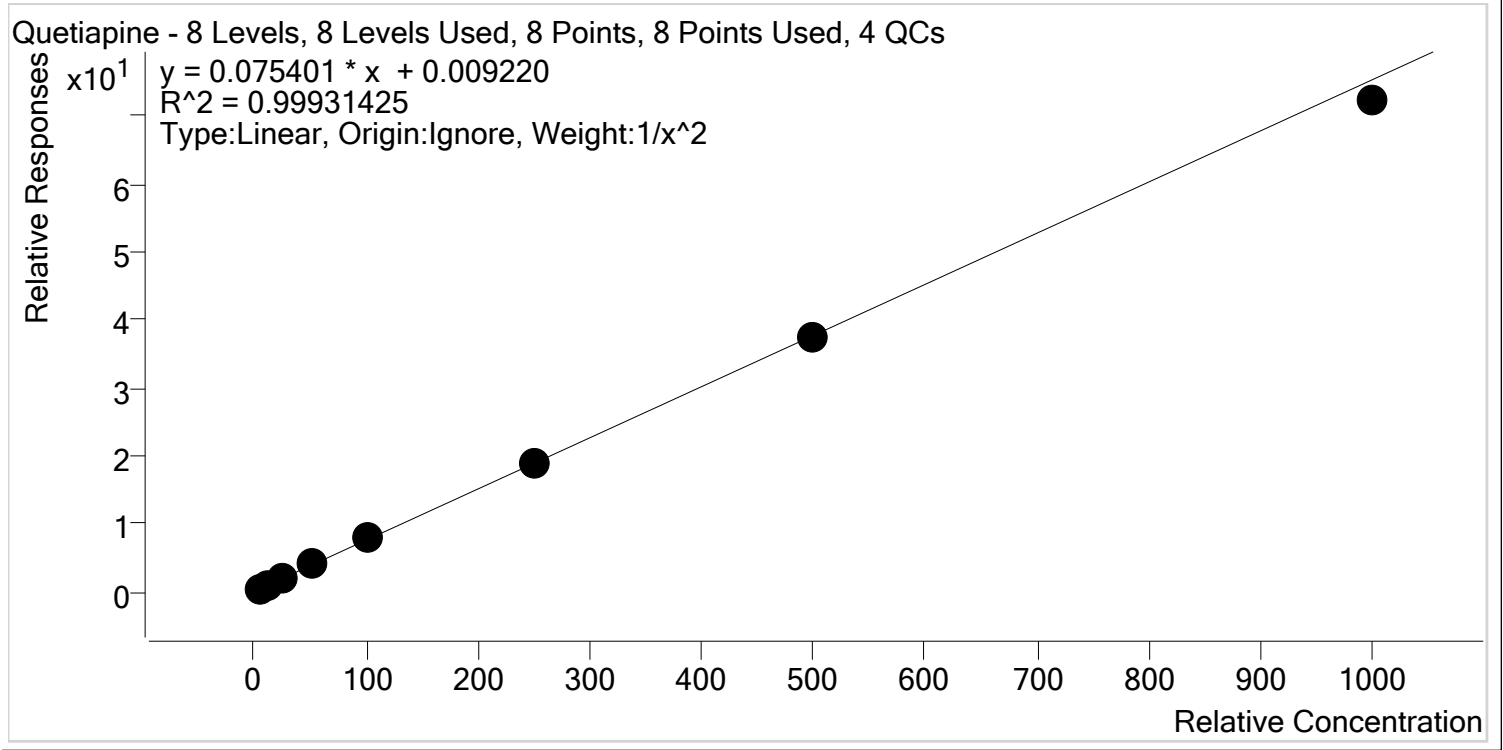


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	48.5	97.1
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	243.9	97.5
p1 Cal 7-500ng	7	✓	500.0	497.0	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1015.0	101.5



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

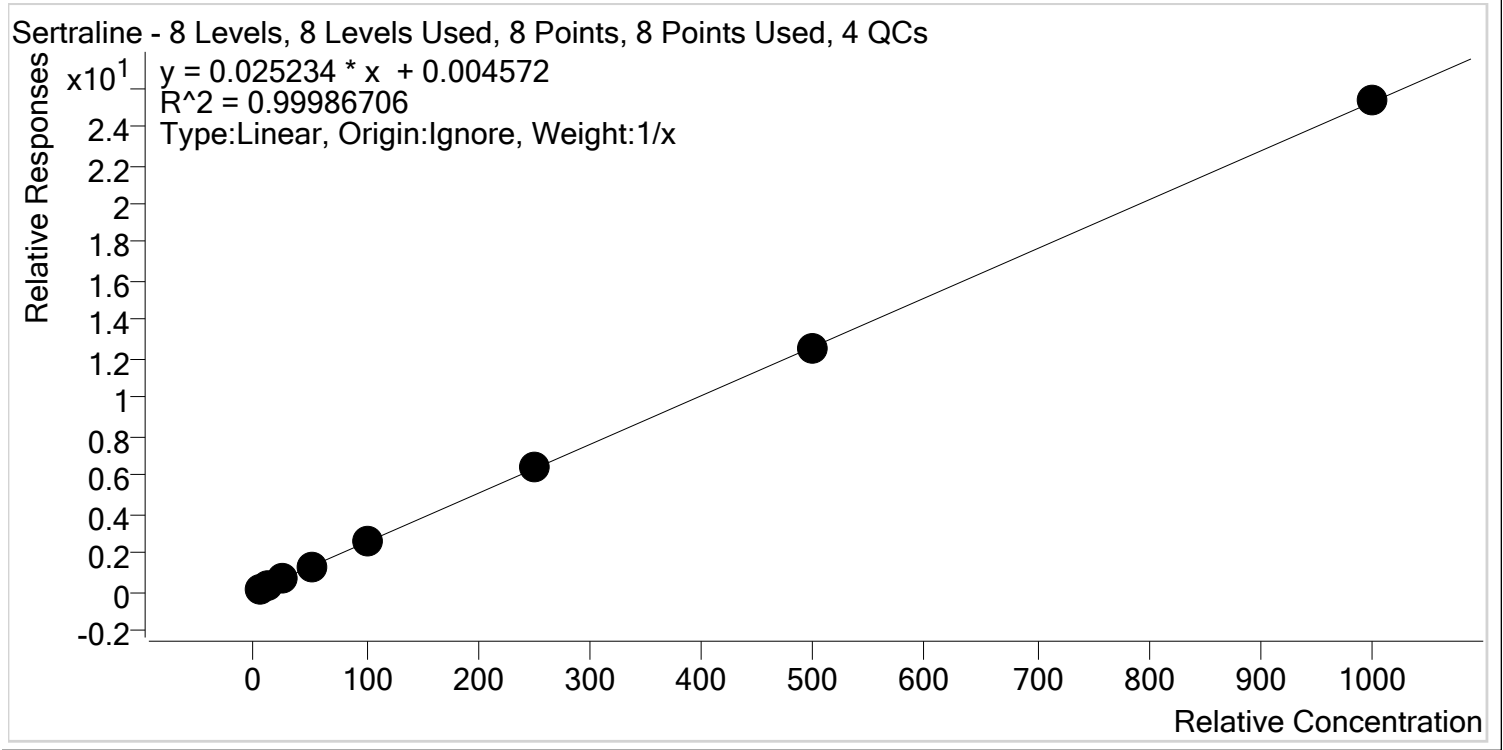


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	496.5	99.3
p1 Cal 8-1000ng	8	✓	1000.0	959.3	95.9



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

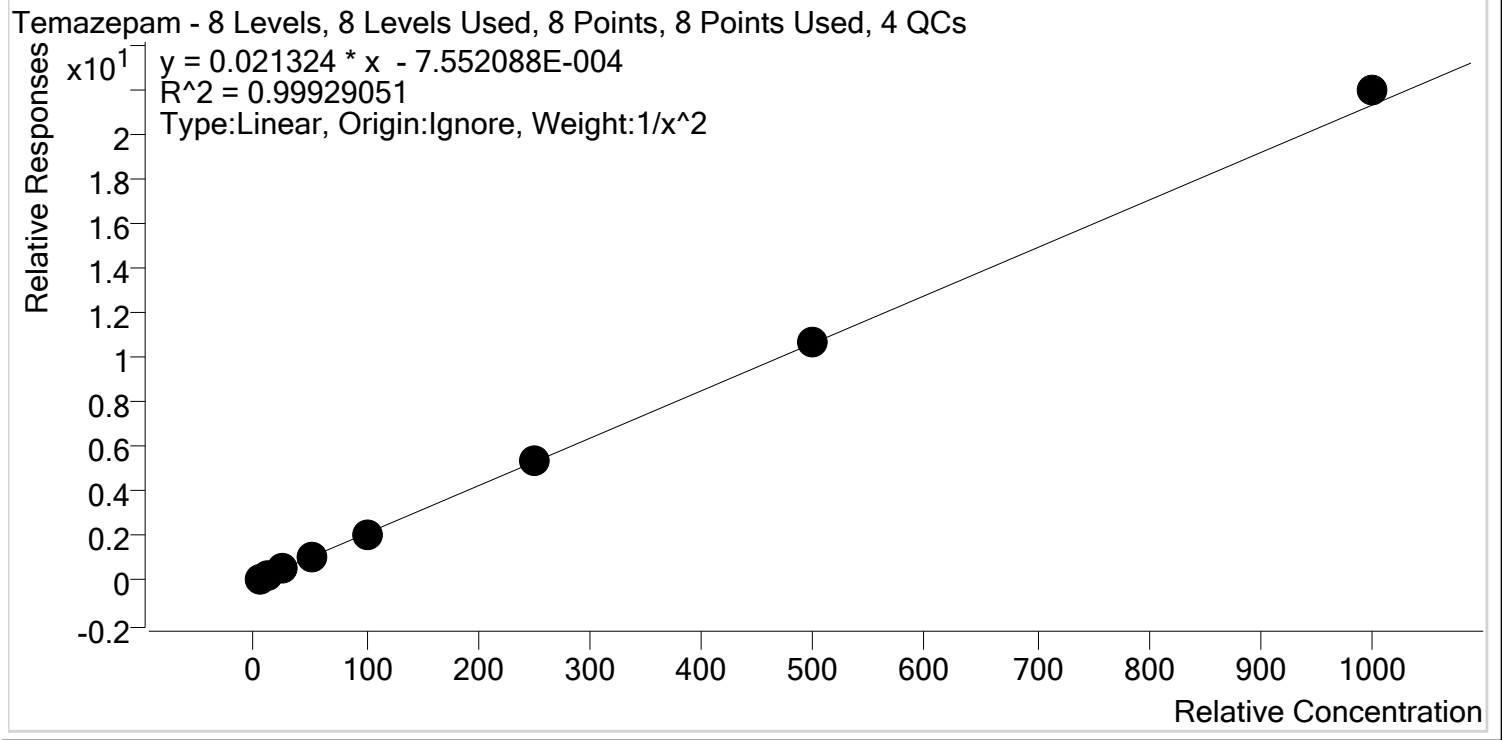


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	493.5	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1003.2	100.3



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



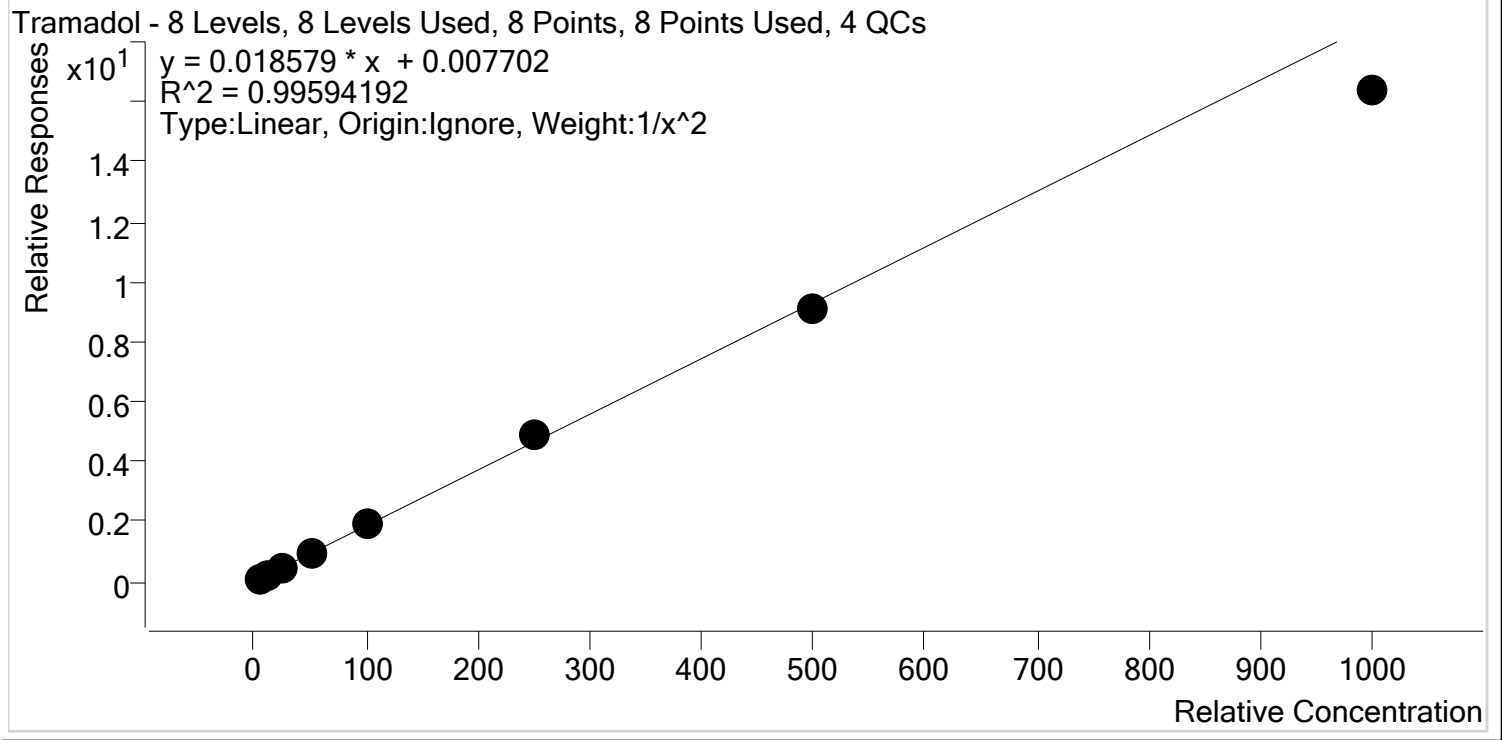
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	505.8	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1030.4	103.0





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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

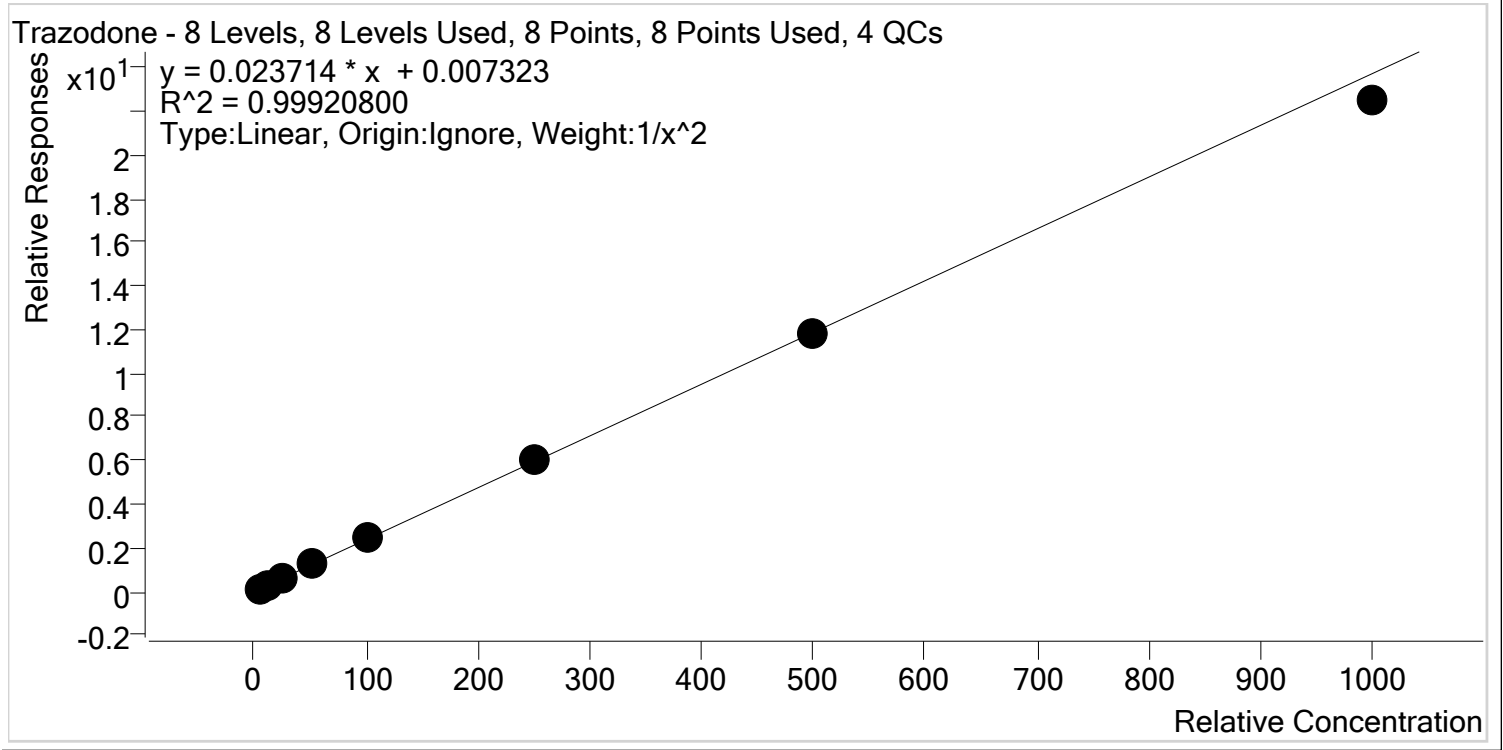


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	261.5	104.6
p1 Cal 7-500ng	7	✓	500.0	488.2	97.6
p1 Cal 8-1000ng	8	✓	1000.0	881.0	88.1



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

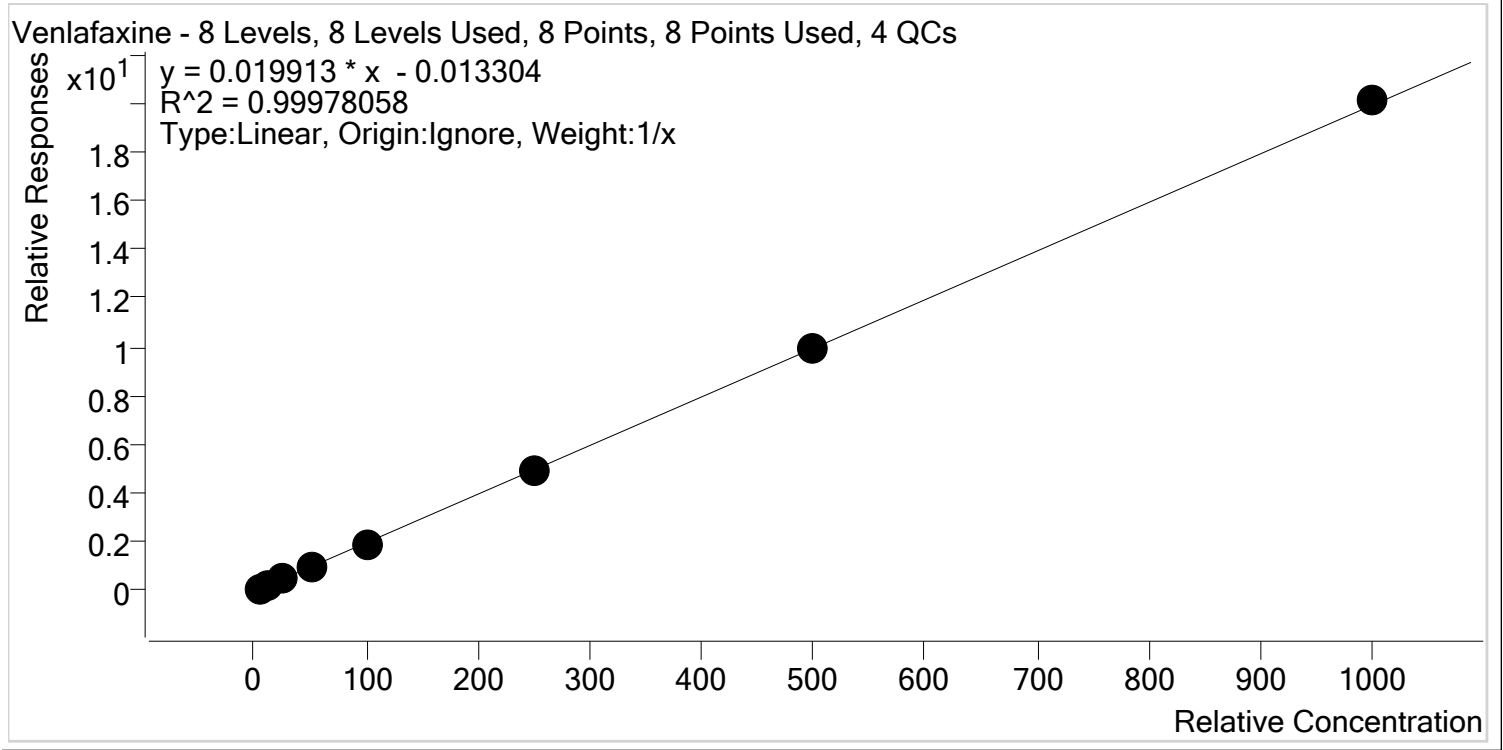


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	495.9	99.2
p1 Cal 8-1000ng	8	✓	1000.0	948.0	94.8



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6

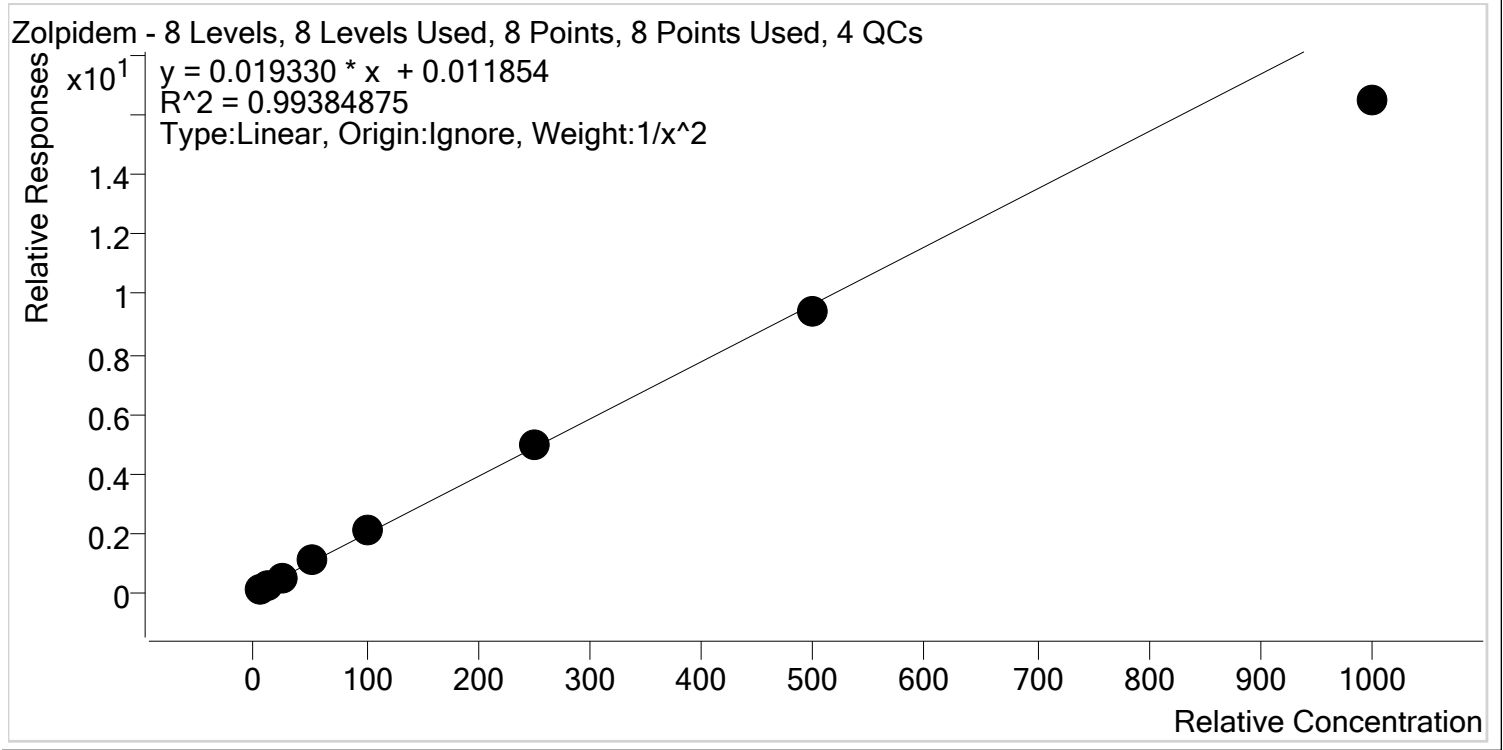


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	109.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	499.0	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1009.7	101.0



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

**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Last Cal. Update** 7/1/2020 12:26 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.0
p1 Cal 4-50ng	4	✓	50.0	53.9	107.9
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	256.7	102.7
p1 Cal 7-500ng	7	✓	500.0	486.5	97.3
p1 Cal 8-1000ng	8	✓	1000.0	854.1	85.4

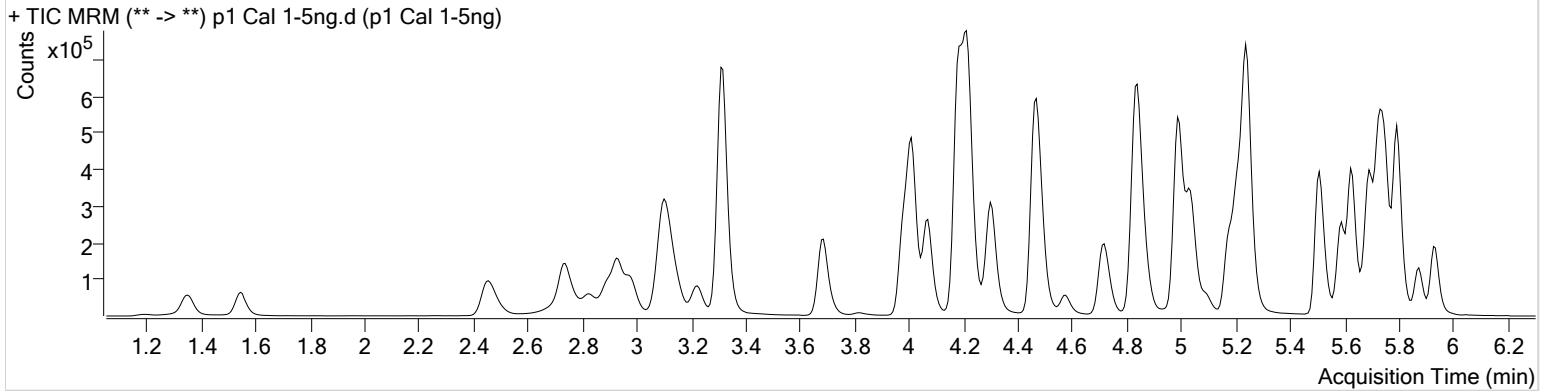
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

<b>Instrument</b>	Falco	<b>Data File</b>	p1 Cal 1-5ng.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>	P1-H12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/29/2020 10:23:56 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	1566	2204.14	66.5	2560.49	65766	0.5010 ng/ml
7-aminoclonazepam	4.223	35473	178163.88	84.3	∞	256630	5.5417 ng/ml
a-hydroxyalprazolam	5.674	15142	497.68	62.0	885.77	70252	4.8276 ng/ml
alpha-PVP	4.308	80253	1113.26	51.9	669.12	667555	5.3258 ng/ml
Alprazolam	5.751	51520	481.01	103.9	215.41	285981	5.3265 ng/ml
Amphetamine	2.977	126125	798.68	51.8	∞	255681	3.8619 ng/ml
Benzoylcegonine	3.845	2388	104.81	8.1	13.90	15870	5.2265 ng/ml
Buprenorphine	5.802	2155	43.78	20.3	22.54	176576	0.5166 ng/ml
Bupropion	4.733	72917	447.74	61.9	398.01	470997	4.8997 ng/ml
Carisoprodol	5.700	48456	∞	55.0	∞	432972	5.0286 ng/ml
Citalopram	5.176	52224	947.92	42.4	1542.88	445929	5.1059 ng/ml
Clonazepam	5.588	65709	1884.48	32.6	1241.48	145836	4.8293 ng/ml
Cocaine	4.216	79920	1173.68	46.3	209.71	1186333	5.3113 ng/ml
Codeine	2.509	9664	214.00	104.0	1414.31	83839	4.9482 ng/ml
Cyclobenzaprine	5.598	35805	26624.13	8.9	261.09	274359	5.0379 ng/ml
Dextromethorphan	5.212	26503	194.09	78.0	312.27	241865	5.0915 ng/ml
Dextrorphan	4.070	22555	1155.88	209.8	637.40	555083	5.2668 ng/ml
Diazepam	5.936	35863	323.83	87.3	464.14	343420	4.9478 ng/ml
Dihydrocodeine	2.488	23104	442.32	64.5	287.96	240774	4.8897 ng/ml
Diphenhydramine	5.247	114429	6593.04	33.7	1001.60	1536468	5.4035 ng/ml
Doxylamine	4.480	179034	25290.12	96.3	∞	1444760	3.8220 ng/ml
EDDP	5.211	42302	305.63	42.1	375.29	442838	5.0570 ng/ml
Fentanyl	5.047	3579	61.55	69.1	20323.05	316188	0.4985 ng/ml
Fluoxetine	5.690	41539	186.25	8.9	∞	313922	5.0473 ng/ml
Hydrocodone	2.959	31311	182.72	37.9	134.58	370398	4.7766 ng/ml
Hydromorphone	1.553	24353	213.14	74.9	253.54	145106	5.1313 ng/ml
Ketamine	3.996	69393	4778.64	38.6	281.41	590790	4.9257 ng/ml
Lamotrigine	4.232	6283	215.99	82.2	13775.90	590790	4.8311 ng/ml
Lorazepam	5.729	54409	1987.58	57.9	619.45	145836	4.9152 ng/ml
MDA	3.130	96611	2409.22	21.1	802.05	419030	4.8740 ng/ml
MDMA	3.231	63562	20338.74	67.4	2179.10	121836	5.0154 ng/ml
Meprobamate	4.876	25275	309.20	26.4	197.68	230962	4.7755 ng/ml
Methadone	5.629	76668	632.81	52.2	4494.26	699552	5.4945 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.158	67734	144.54	42.8	113.65	587108	4.7864 ng/ml
Metoprolol	4.278	14599	∞	96.0	527.06	1608717	4.9499 ng/ml
Mirtazapine	4.575	87977	2451.54	48.0	3277.72	667555	5.2631 ng/ml
Mitragynine	5.181	15655	44211.10	36.9	2205.77	699552	4.9637 ng/ml
Morphine	1.200	3338	190.56	24.7	400.79	7556	4.9771 ng/ml
Norbuprenorphine	4.944	282	25.37	99.0	30.71	20242	0.4778 ng/ml
Nordiazepam	5.882	34626	717.23	58.5	541.82	218848	4.9845 ng/ml
Norfentanyl	4.030	11472	293.14	39.1	220.13	1022730	0.5108 ng/ml
Norhydrocodone	3.007	3416	63.45	39.1	104.55	69295	5.3229 ng/ml
Noroxycodone	2.845	26167	452.68	49.5	17.42	175256	4.9764 ng/ml
O-desmethyl-tramadol	3.317	158531	1300.51	6.0	494.21	1655657	5.0441 ng/ml
Oxazepam	5.732	61210	1148.08	70.9	∞	725415	4.8882 ng/ml
Oxycodone	2.769	63224	632.75	30.7	369.75	506105	4.9800 ng/ml
Oxymorphone	1.356	24950	503.68	48.3	240.27	167865	4.9685 ng/ml
Phentermine	3.723	23274	807.33	3.2	32.48	578638	4.8132 ng/ml
Promethazine	5.508	76754	4046.27	31.3	193.84	649213	5.5161 ng/ml
Quetiapine	5.525	53384	1830.95	62.5	∞	137829	5.0145 ng/ml
Sertraline	5.758	22551	585.56	88.3	1160.19	167372	5.1581 ng/ml
Temazepam	5.799	102260	918.87	29.0	∞	946586	5.1016 ng/ml
Tramadol	4.197	160030	5709.14	3.5	54.43	1608717	4.9398 ng/ml
Trazodone	5.093	61434	∞	77.9	81815.01	489717	4.9812 ng/ml
Venlafaxine	4.994	119442	1125.13	35.7	715.45	1246077	5.4819 ng/ml
Zolpidem	4.851	156753	2382.94	30.5	883.98	1472335	4.8945 ng/ml

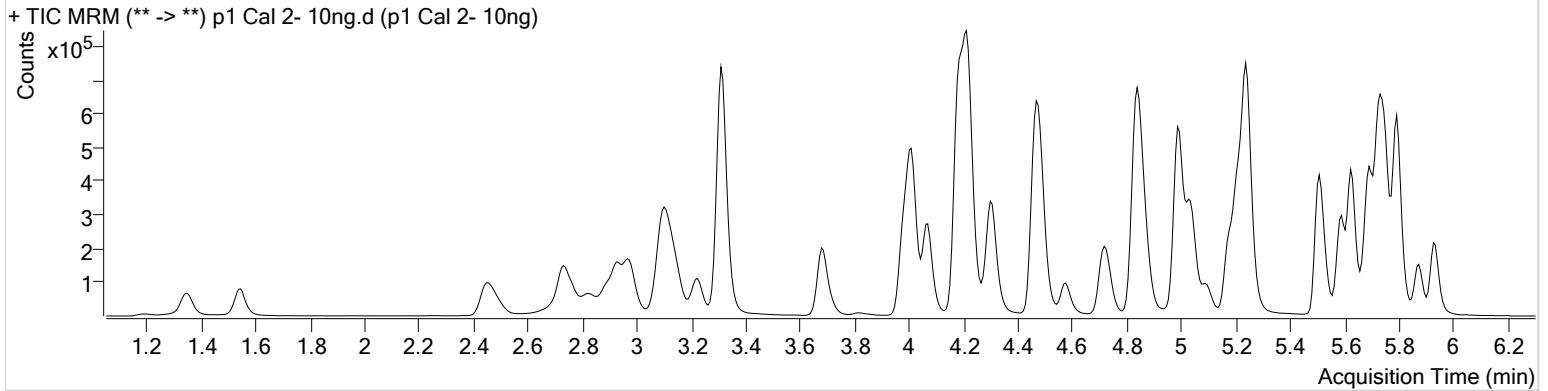
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

<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>	P1-G12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/29/2020 10:34:40 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	2956	8227.49	70.6	10785.39	62622	0.9986 ng/ml
7-aminoclonazepam	4.223	69228	∞	81.9	496.71	254317	10.0990 ng/ml
a-hydroxyalprazolam	5.674	29828	638.16	62.8	467.04	68848	10.3816 ng/ml
alpha-PVP	4.308	152539	9537.86	50.4	1071.39	642327	10.1542 ng/ml
Alprazolam	5.751	97292	1144.64	106.1	641.75	268807	10.2695 ng/ml
Amphetamine	2.977	229439	5714.10	52.4	431.43	241236	9.7728 ng/ml
Benzoylcegonine	3.838	4597	105.39	8.5	60.14	16646	9.5122 ng/ml
Buprenorphine	5.802	3799	104.55	18.8	208.01	159385	0.9579 ng/ml
Bupropion	4.733	132594	2814.25	60.7	1888.71	428965	9.9234 ng/ml
Carisoprodol	5.700	92222	∞	55.1	1076.61	428105	9.9464 ng/ml
Citalopram	5.176	90555	821.98	41.6	2990.02	398309	9.9758 ng/ml
Clonazepam	5.588	125842	4012.47	33.7	2121.85	145440	10.2228 ng/ml
Cocaine	4.216	154007	553702.69	46.9	143080.66	1140040	10.1919 ng/ml
Codeine	2.503	18241	2075.69	102.5	81142.18	82585	9.9727 ng/ml
Cyclobenzaprine	5.592	68881	∞	8.6	16.72	262663	10.0127 ng/ml
Dextromethorphan	5.212	48885	563.48	76.2	3060.06	226789	9.9912 ng/ml
Dextrorphan	4.070	41539	3029.45	209.6	2058.28	523888	10.1023 ng/ml
Diazepam	5.936	71200	1237.99	85.9	454.90	337464	10.1511 ng/ml
Dihydrocodeine	2.481	44617	2793.14	63.6	497.54	236602	10.1407 ng/ml
Diphenhydramine	5.247	208660	550.93	32.7	427.97	1403461	10.1744 ng/ml
Doxylamine	4.487	335185	220724.68	96.8	926588.53	1383527	9.1905 ng/ml
EDDP	5.211	85649	660.88	42.5	1556.75	456196	9.9341 ng/ml
Fentanyl	5.047	7418	813.62	64.3	10942.00	320285	1.0260 ng/ml
Fluoxetine	5.683	78963	1763.04	9.1	852.03	304637	10.0040 ng/ml
Hydrocodone	2.953	59176	592.79	37.9	150.68	359129	10.4046 ng/ml
Hydromorphone	1.553	45791	413.91	79.9	889.51	152952	9.3267 ng/ml
Ketamine	3.996	132823	9568.04	38.4	739.76	573918	10.1778 ng/ml
Lamotrigine	4.226	11697	468.01	81.9	2257.59	573918	10.3601 ng/ml
Lorazepam	5.729	107076	389.48	55.8	1164.43	145440	10.2424 ng/ml
MDA	3.130	176213	3272.91	21.2	493.63	392703	10.1653 ng/ml
MDMA	3.231	116097	∞	66.7	5297.09	114985	9.9358 ng/ml
Meprobamate	4.869	48442	5286.94	25.9	327.45	225960	10.4614 ng/ml
Methadone	5.629	138069	1277.57	53.8	706.47	648167	10.0443 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.158	128615	590.23	41.9	449.20	567407	10.4016 ng/ml
Metoprolol	4.278	26711	101240.49	97.6	536.34	1552104	9.9457 ng/ml
Mirtazapine	4.575	158909	31416.67	48.3	1933.94	642327	9.3776 ng/ml
Mitragynine	5.181	28324	1818.36	37.5	31951.97	648167	9.9460 ng/ml
Morphine	1.200	6911	380.42	23.1	122.98	7918	10.0124 ng/ml
Norbuprenorphine	4.944	529	31.56	79.3	62.11	19151	1.0781 ng/ml
Nordiazepam	5.876	68190	1641.46	57.5	1779.64	219852	9.9925 ng/ml
Norfentanyl	4.030	22388	465.08	38.6	412.20	1003335	0.9829 ng/ml
Norhydrocodone	3.007	6127	96.67	43.7	∞	65298	9.4157 ng/ml
Noroxycodone	2.845	50844	860.46	47.8	1531.49	172648	10.0205 ng/ml
O-desmethyl-tramadol	3.317	311959	75571.80	5.9	759.78	1634012	9.9665 ng/ml
Oxazepam	5.732	120757	2885.85	70.8	1514.20	726707	10.0891 ng/ml
Oxycodone	2.762	119436	961.24	31.1	928.53	502418	9.9514 ng/ml
Oxymorphone	1.350	48401	∞	47.1	471.35	168622	10.0299 ng/ml
Phentermine	3.716	42549	462.08	3.5	80.91	548507	10.3925 ng/ml
Promethazine	5.508	140586	1470.71	31.0	384.68	610356	10.1284 ng/ml
Quetiapine	5.519	95519	3924.06	59.5	252.62	126375	9.9020 ng/ml
Sertraline	5.751	41859	248.70	91.9	44432.74	167572	9.7179 ng/ml
Temazepam	5.799	202744	8051.62	27.9	∞	979738	9.7399 ng/ml
Tramadol	4.190	302009	10083.24	3.4	136.87	1552104	10.0587 ng/ml
Trazodone	5.093	114411	∞	77.5	26748.08	468320	9.9930 ng/ml
Venlafaxine	4.994	217621	9385.61	36.7	923.54	1165773	10.0428 ng/ml
Zolpidem	4.858	302961	626.09	30.2	6304.42	1462219	10.1053 ng/ml



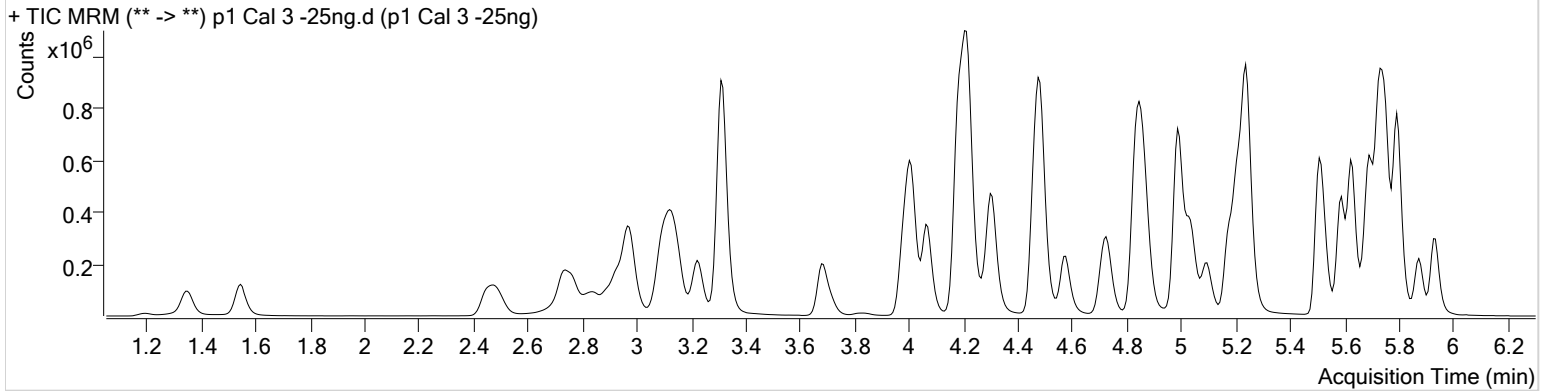
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

<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>	P1-F12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/29/2020 10:45:14 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	7429	9530.57	72.1	7027.59	64007	2.4633 ng/ml
7-aminoclonazepam	4.223	169295	∞	81.5	∞	255205	23.4035 ng/ml
a-hydroxyalprazolam	5.674	72368	722.63	61.3	324.03	70508	25.5136 ng/ml
alpha-PVP	4.308	369104	∞	51.1	1197.57	641639	24.0626 ng/ml
Alprazolam	5.751	235450	1360.90	106.5	1512.28	273351	23.8489 ng/ml
Amphetamine	2.977	548474	6205.37	52.5	7996.57	238385	27.1991 ng/ml
Benzoylcegonine	3.838	11566	∞	8.5	109.96	17371	22.8000 ng/ml
Buprenorphine	5.802	10469	247.96	16.0	154.21	171549	2.3695 ng/ml
Bupropion	4.733	330440	5589.11	60.0	2629.78	430226	24.8674 ng/ml
Carisoprodol	5.700	226582	652538.07	53.5	545.18	435457	24.4336 ng/ml
Citalopram	5.176	221376	4414.16	42.3	721.29	408167	23.8923 ng/ml
Clonazepam	5.588	305990	845.87	33.6	4507.80	145152	26.3875 ng/ml
Cocaine	4.216	369168	63455.55	45.9	12114.92	1120185	24.2071 ng/ml
Codeine	2.503	45044	2114.02	101.1	1303.85	81661	25.7071 ng/ml
Cyclobenzaprine	5.592	175621	29047.16	9.1	581.36	276011	24.1372 ng/ml
Dextromethorphan	5.212	122624	∞	78.9	249.72	233998	24.2535 ng/ml
Dextrorphan	4.070	98873	247142.39	215.8	1185.25	525274	23.7300 ng/ml
Diazepam	5.936	172165	822.79	88.1	838.93	335868	24.8788 ng/ml
Dihydrocodeine	2.481	112955	1639.61	63.2	442.14	240688	26.0561 ng/ml
Diphenhydramine	5.247	522738	8813.02	32.6	15038.88	1442615	23.9134 ng/ml
Doxylamine	4.480	828692	53214.71	96.4	∞	1375642	25.5269 ng/ml
EDDP	5.211	217368	959.41	43.5	2685.14	477950	24.0567 ng/ml
Fentanyl	5.047	18137	920.10	68.3	∞	335404	2.4033 ng/ml
Fluoxetine	5.683	204226	1778.18	8.5	∞	321599	24.6861 ng/ml
Hydrocodone	2.953	148641	1522.27	37.6	1010.65	374527	26.6828 ng/ml
Hydromorphone	1.553	119893	912.86	73.4	596.89	148897	25.4584 ng/ml
Ketamine	3.996	319278	5040.30	38.4	1024.37	573076	25.1865 ng/ml
Lamotrigine	4.226	27601	535.93	81.2	557.43	573076	26.1213 ng/ml
Lorazepam	5.729	257537	1279.47	55.4	∞	145152	25.4704 ng/ml
MDA	3.130	431020	7968.08	20.9	2950.13	391730	25.9686 ng/ml
MDMA	3.224	283474	53621.51	68.5	4518.75	114648	24.6870 ng/ml
Meprobamate	4.869	113432	∞	26.0	401.78	224348	26.2393 ng/ml
Methadone	5.629	352117	23539.27	53.4	5533.06	657234	24.2433 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.158	305872	670.13	42.0	556.21	564170	26.3178 ng/ml
Metoprolol	4.278	65983	183241.97	96.2	2022.62	1549851	25.5223 ng/ml
Mirtazapine	4.575	392722	42219.96	48.2	17053.22	641639	22.3562 ng/ml
Mitragynine	5.181	73327	15129.43	37.8	20641.04	657234	25.8059 ng/ml
Morphine	1.200	17116	1572.29	23.3	222.94	7846	25.3023 ng/ml
Norbuprenorphine	4.937	1211	72.97	73.1	82.54	19973	2.5299 ng/ml
Nordiazepam	5.876	164692	1349.29	58.1	4763.85	216194	24.8776 ng/ml
Norfentanyl	4.030	56387	140971.84	37.1	328.69	1029089	2.3647 ng/ml
Norhydrocodone	3.007	14835	217.38	42.3	80.54	66395	21.3255 ng/ml
Noroxycodone	2.845	125524	3055.80	48.2	1271.21	172703	25.0403 ng/ml
O-desmethyl-tramadol	3.317	760803	5130.76	6.1	619.31	1641275	24.0681 ng/ml
Oxazepam	5.732	293868	12043.28	70.8	4686.39	706510	25.9715 ng/ml
Oxycodone	2.762	291819	1891.98	31.1	1127.76	500885	25.1514 ng/ml
Oxymorphone	1.350	118132	965.86	47.6	213.49	168646	25.1490 ng/ml
Phentermine	3.716	98234	886.49	3.5	262.81	543088	25.8236 ng/ml
Promethazine	5.508	374357	4222.85	30.2	1053.33	650953	24.3122 ng/ml
Quetiapine	5.519	235508	12332.82	59.8	368889.88	125761	24.7139 ng/ml
Sertraline	5.751	106875	781.79	90.4	∞	175579	23.9409 ng/ml
Temazepam	5.799	497715	2350.83	28.7	1287.11	973370	24.0149 ng/ml
Tramadol	4.190	738468	14335.63	3.5	121.10	1549851	25.2317 ng/ml
Trazodone	5.093	289858	94929.73	77.3	∞	481875	25.0565 ng/ml
Venlafaxine	4.987	537767	2029.66	36.2	949.42	1151266	24.1260 ng/ml
Zolpidem	4.858	744956	∞	30.6	64602.18	1461389	25.7577 ng/ml

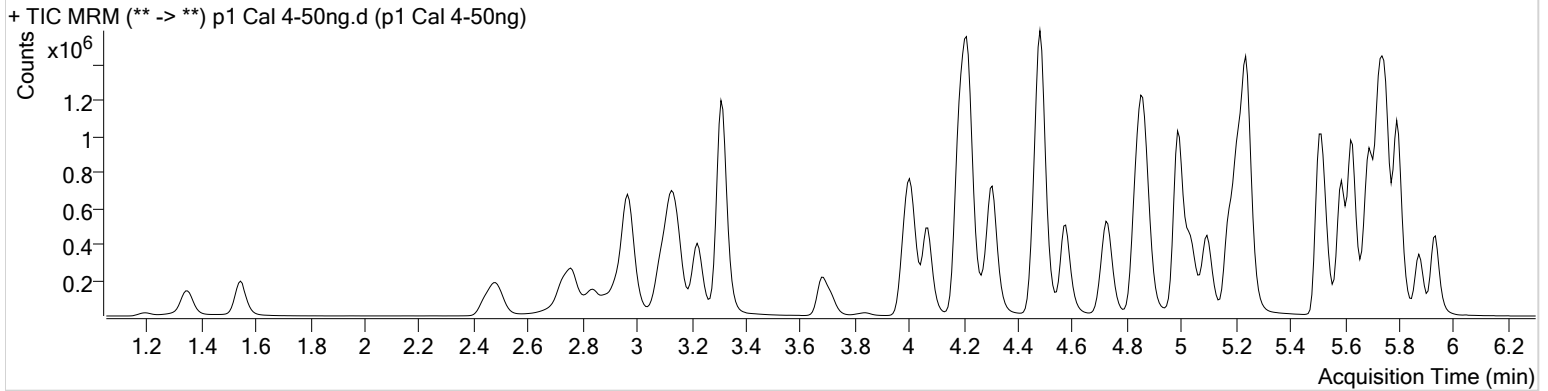
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

<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>	P1-E12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/29/2020 10:55:49 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	15344	28275.11	69.2	5946.37	64097	5.0868 ng/ml
7-aminoclonazepam	4.223	337836	∞	81.3	∞	236409	49.4461 ng/ml
a-hydroxyalprazolam	5.674	142885	1753.08	62.8	3672.58	66620	54.0451 ng/ml
alpha-PVP	4.308	775883	68683.02	51.3	13933.86	646364	49.8034 ng/ml
Alprazolam	5.751	469777	1626.62	105.8	∞	262917	49.0126 ng/ml
Amphetamine	2.970	1165164	25988.18	51.8	14135.78	252001	57.1902 ng/ml
Benzoylcegonine	3.838	24362	∞	7.6	238.78	17036	48.8615 ng/ml
Buprenorphine	5.802	24184	616.60	14.6	664.47	185190	5.0097 ng/ml
Bupropion	4.733	714637	2147.40	60.5	∞	454798	51.0224 ng/ml
Carisoprodol	5.700	439132	354878.35	54.8	1721.00	408332	50.8076 ng/ml
Citalopram	5.176	501530	700.59	41.9	960.36	437233	50.6056 ng/ml
Clonazepam	5.588	590006	18505.58	34.2	747.07	137265	54.8749 ng/ml
Cocaine	4.216	745401	56682.06	45.6	24181.20	1101233	49.2378 ng/ml
Codeine	2.503	89273	1779.00	105.2	1884.53	79973	52.5730 ng/ml
Cyclobenzaprine	5.592	410508	1241.86	9.4	157.61	312634	49.6941 ng/ml
Dextromethorphan	5.212	283231	1460.26	79.1	535.28	255349	51.3073 ng/ml
Dextrorphan	4.070	209837	1568.96	214.6	5637.19	526782	50.0128 ng/ml
Diazepam	5.936	350623	1249.25	87.8	1056.97	326995	52.2072 ng/ml
Dihydrocodeine	2.475	223723	715.75	65.0	890.90	237545	52.8446 ng/ml
Diphenhydramine	5.247	1183916	22246.98	32.6	479.74	1552384	49.6511 ng/ml
Doxylamine	4.480	1740334	71886.71	98.0	∞	1397575	54.6876 ng/ml
EDDP	5.211	511004	∞	43.1	1246.50	541094	49.9489 ng/ml
Fentanyl	5.047	41489	1150.03	66.8	382.21	375540	4.9160 ng/ml
Fluoxetine	5.683	487318	1453.97	8.8	21000.44	375775	50.5402 ng/ml
Hydrocodone	2.953	292277	626.94	38.6	∞	368717	54.4429 ng/ml
Hydromorphone	1.547	236615	837.28	77.2	∞	145388	51.6824 ng/ml
Ketamine	3.996	649540	5871.50	39.3	3754.56	574753	51.5904 ng/ml
Lamotrigine	4.226	56515	2364.44	81.2	7128.61	574753	54.5802 ng/ml
Lorazepam	5.729	495441	∞	55.7	∞	137265	52.3919 ng/ml
MDA	3.130	872733	8339.15	20.9	3603.80	385201	54.2330 ng/ml
MDMA	3.224	593288	23265.93	67.9	50223.78	116172	51.2514 ng/ml
Meprobamate	4.869	219844	34146.64	26.1	4191.44	209956	55.5756 ng/ml
Methadone	5.629	815380	1687.23	52.8	2959.72	733997	49.5459 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	674784	1721.54	42.1	1002.10	607878	54.9679 ng/ml
Metoprolol	4.278	133188	459936.14	96.8	∞	1541490	52.4384 ng/ml
Mirtazapine	4.575	876310	403145.88	48.0	77400.77	646364	48.8246 ng/ml
Mitragynine	5.181	164729	21239.22	38.5	3508.63	733997	52.1783 ng/ml
Morphine	1.200	35515	2139.02	23.0	102.12	8290	49.8681 ng/ml
Norbuprenorphine	4.944	2642	62.94	81.3	234.43	21665	5.2266 ng/ml
Nordiazepam	5.876	335190	3360.18	58.9	2385.46	211176	52.0852 ng/ml
Norfentanyl	4.030	119451	3522.69	37.4	102.94	1038510	4.9271 ng/ml
Norhydrocodone	3.001	29505	210.77	42.4	171.15	59364	46.4670 ng/ml
Noroxycodone	2.838	251047	815.86	49.1	1441.27	167734	51.7869 ng/ml
O-desmethyl-tramadol	3.317	1540126	5387.34	6.1	1354.06	1591149	50.1576 ng/ml
Oxazepam	5.732	572458	∞	69.8	∞	664040	54.3403 ng/ml
Oxycodone	2.762	594721	1366.94	31.4	2163.60	496597	52.2554 ng/ml
Oxymorphone	1.350	236742	∞	47.9	∞	165481	51.8504 ng/ml
Phentermine	3.716	209802	3683.87	3.3	203.49	564951	54.2766 ng/ml
Promethazine	5.508	861486	22530.10	31.2	978.55	740104	48.5411 ng/ml
Quetiapine	5.525	529719	1277.29	59.7	812933.05	135932	51.5605 ng/ml
Sertraline	5.751	251010	6156.73	89.5	47197.96	191557	51.7471 ng/ml
Temazepam	5.799	1002212	3253.00	29.2	1430.78	936636	50.2149 ng/ml
Tramadol	4.190	1515292	1263.81	3.4	2468.30	1541490	52.4955 ng/ml
Trazodone	5.093	662315	47003.45	80.0	385727.39	540020	51.4096 ng/ml
Venlafaxine	4.987	1119732	7024.76	36.4	1669.33	1165313	48.9231 ng/ml
Zolpidem	4.858	1526954	119027.11	30.5	∞	1448377	53.9256 ng/ml

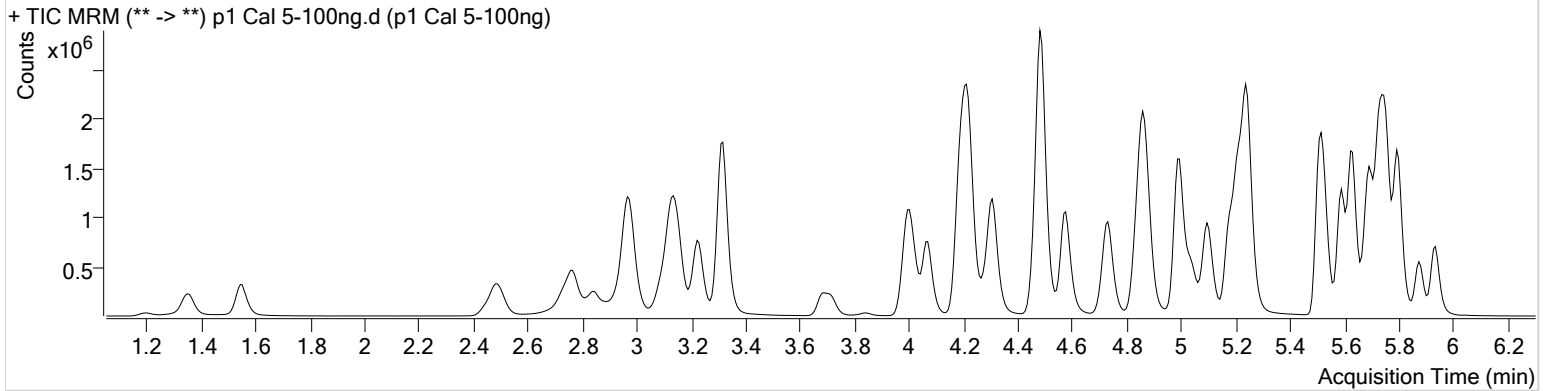
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

<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>	P1-D12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/29/2020 11:06:25 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	30254	749.04	68.9	826.95	64577	9.9606 ng/ml
7-aminoclonazepam	4.223	614855	320.13	82.6	15556.68	217574	96.9599 ng/ml
a-hydroxyalprazolam	5.674	270222	815.90	62.4	762.74	62702	109.2744 ng/ml
alpha-PVP	4.308	1532627	26784.01	50.6	8809.39	650422	97.4029 ng/ml
Alprazolam	5.751	871878	1800.39	105.8	2167.13	248784	95.7208 ng/ml
Amphetamine	2.977	2175333	37842.62	52.0	17563.96	253141	108.4444 ng/ml
Benzoylecgonine	3.838	47461	2353.45	7.7	329.67	16651	97.3023 ng/ml
Buprenorphine	5.802	50370	1175.29	16.8	635.00	200675	9.5797 ng/ml
Bupropion	4.733	1451795	277199.27	60.4	4772.30	470966	100.2299 ng/ml
Carisoprodol	5.700	813251	50582.31	54.3	2489.03	385867	99.8483 ng/ml
Citalopram	5.176	1056461	1584.60	41.5	1349.87	458735	101.6714 ng/ml
Clonazepam	5.588	1103595	17463.70	33.3	∞	133723	106.3102 ng/ml
Cocaine	4.216	1436798	218888.00	45.6	74054.20	1068117	97.4005 ng/ml
Codeine	2.503	171525	926.87	104.5	2076.15	79187	102.5180 ng/ml
Cyclobenzaprine	5.592	897472	59742.43	9.1	∞	345759	98.1277 ng/ml
Dextromethorphan	5.212	596971	490.97	79.0	1665.85	276707	99.7708 ng/ml
Dextrorphan	4.070	418593	2696.26	213.7	2109.76	533448	98.3428 ng/ml
Diazepam	5.936	662978	2354.44	86.6	2946.13	325406	99.3348 ng/ml
Dihydrocodeine	2.481	440014	5333.64	63.7	2097.17	236911	104.7465 ng/ml
Diphenhydramine	5.247	2503151	2267.53	32.9	559.79	1679643	96.4368 ng/ml
Doxylamine	4.480	3514689	483555.38	97.8	74557.85	1441701	108.7871 ng/ml
EDDP	5.211	1061735	20719.24	42.6	14017.46	569069	98.6742 ng/ml
Fentanyl	5.047	95299	3846.84	65.8	628.77	432731	9.8052 ng/ml
Fluoxetine	5.683	1067713	46090.63	8.7	1362.36	418194	99.6197 ng/ml
Hydrocodone	2.953	557416	988.30	38.4	172.06	360485	107.2971 ng/ml
Hydromorphone	1.553	462982	3376.75	74.9	3611.02	146787	100.3697 ng/ml
Ketamine	3.996	1280982	3109.74	38.6	1037.78	569933	103.0855 ng/ml
Lamotrigine	4.232	103091	1953.17	81.8	87581.01	569933	101.4133 ng/ml
Lorazepam	5.722	849236	13014.57	55.3	∞	133723	92.6077 ng/ml
MDA	3.130	1681044	8973.12	20.7	9571.83	383543	105.5854 ng/ml
MDMA	3.224	1194944	133959.32	68.0	52147.22	120271	99.9395 ng/ml
Meprobamate	4.869	393230	16966.87	25.9	559.58	196358	107.3439 ng/ml
Methadone	5.629	1720344	44869.92	52.4	3748.04	808025	94.3415 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	1280470	3260.69	41.8	1902.45	600978	106.4553 ng/ml
Metoprolol	4.278	264263	∞	96.3	∞	1503220	107.3385 ng/ml
Mirtazapine	4.575	1845053	207939.51	48.1	20965.69	650422	101.5323 ng/ml
Mitragynine	5.181	343843	26212.79	38.7	12158.16	808025	99.1729 ng/ml
Morphine	1.200	67589	1389.77	22.9	1256.40	7723	102.0620 ng/ml
Norbuprenorphine	4.944	5515	177.76	85.7	158.58	24157	9.9030 ng/ml
Nordiazepam	5.876	632260	13833.12	58.2	1465.73	206740	100.5684 ng/ml
Norfentanyl	4.030	240388	11826.91	37.8	956.50	1064675	9.6395 ng/ml
Norhydrocodone	3.007	57097	397.16	41.4	87.91	53974	98.0056 ng/ml
Noroxycodone	2.845	480300	3709.05	49.1	695.71	166317	100.1181 ng/ml
O-desmethyl-tramadol	3.317	3044973	4616.66	6.0	1318.47	1596904	98.7203 ng/ml
Oxazepam	5.732	1015071	14105.50	70.7	77820.66	617955	103.9728 ng/ml
Oxycodone	2.762	1163397	5947.68	31.5	2494.96	501339	101.7484 ng/ml
Oxymorphone	1.350	452668	∞	47.0	1269.03	163890	100.5390 ng/ml
Phentermine	3.716	408932	9140.70	3.5	729.56	571416	105.7030 ng/ml
Promethazine	5.508	1942832	3682.30	30.6	12771.39	841687	95.6175 ng/ml
Quetiapine	5.525	1082143	36955.65	60.0	2818071.81	139915	102.4532 ng/ml
Sertraline	5.751	512107	1434.34	91.9	51249.60	201564	100.5021 ng/ml
Temazepam	5.799	1955036	1868.91	28.4	16355.50	920648	99.6215 ng/ml
Tramadol	4.190	2925974	2827.18	3.4	1007.48	1503220	104.3540 ng/ml
Trazodone	5.093	1439310	514137.95	77.9	62274.55	595409	101.6274 ng/ml
Venlafaxine	4.994	2248062	3213.31	36.3	10822.88	1181677	96.2071 ng/ml
Zolpidem	4.858	2972315	3814.42	30.2	41730.14	1459224	104.7609 ng/ml

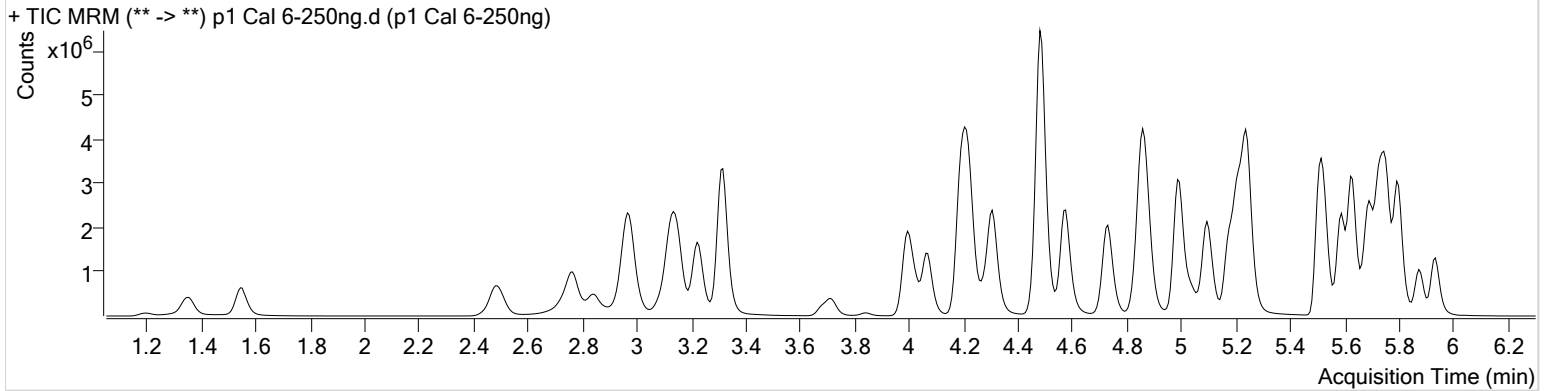
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

**Instrument** Falco **Data File** p1 Cal 6-250ng.d  
**Type** Cal **Sample** p1 Cal 6-250ng  
**Acq. Method** MDQ P1 060520.m **Operator** Celena Shrum  
**Sample Position** P1-C12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 6/29/2020 11:17:01 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	73795	39529.40	70.8	1808.14	62653	25.0502 ng/ml
7-aminoclonazepam	4.223	1198622	21334.19	81.0	36566.71	165826	246.6939 ng/ml
a-hydroxyalprazolam	5.668	566924	1276.62	64.1	2302.66	57746	249.7897 ng/ml
alpha-PVP	4.308	3543982	188145.46	50.8	2807.20	596896	244.8568 ng/ml
Alprazolam	5.751	1867572	4436.93	105.5	3263.11	202627	251.0431 ng/ml
Amphetamine	2.977	4407351	35298.02	51.4	34046.93	241081	233.5316 ng/ml
Benzoylcegonine	3.838	116798	2826.70	7.9	1178.06	16559	240.6309 ng/ml
Buprenorphine	5.802	109545	4714.47	16.5	3331.42	169633	24.5626 ng/ml
Bupropion	4.733	3375339	145181.83	60.2	33066.72	433985	253.1009 ng/ml
Carisoprodol	5.700	1615238	1645.01	55.0	1876.05	308082	248.8137 ng/ml
Citalopram	5.176	2272725	2339.67	41.5	34957.05	402515	249.3699 ng/ml
Clonazepam	5.581	2253617	47614.31	33.5	2223.93	114604	254.7350 ng/ml
Cocaine	4.216	3203452	380589.29	45.3	73018.53	937017	246.8421 ng/ml
Codeine	2.503	378897	∞	103.4	1308.47	70960	253.5027 ng/ml
Cyclobenzaprine	5.592	1892182	1518.74	9.3	∞	289222	247.1624 ng/ml
Dextromethorphan	5.212	1218950	1566.38	79.0	1564.17	228376	246.7969 ng/ml
Dextrorphan	4.070	979590	28880.06	211.3	7278.42	487230	251.6857 ng/ml
Diazepam	5.936	1440842	2332.08	88.4	15976.71	280190	250.9526 ng/ml
Dihydrocodeine	2.481	1011520	2915.31	64.4	4155.79	231451	247.2200 ng/ml
Diphenhydramine	5.247	5626286	6168.60	32.3	4395.41	1479207	245.1763 ng/ml
Doxylamine	4.480	8423974	292858.66	97.2	315512.64	1353731	280.4772 ng/ml
EDDP	5.211	2585619	2171.89	42.6	21233.89	548592	249.2603 ng/ml
Fentanyl	5.047	212661	942.14	66.3	∞	378148	25.0474 ng/ml
Fluoxetine	5.683	2193698	115273.40	8.7	13310.17	342630	249.9996 ng/ml
Hydrocodone	2.953	1199726	∞	39.3	1374.43	335498	249.6472 ng/ml
Hydromorphone	1.553	1037955	∞	77.3	5026.30	130083	254.2510 ng/ml
Ketamine	3.996	2979579	337381.93	38.4	2925.10	540575	253.5072 ng/ml
Lamotrigine	4.232	202964	2909.85	80.8	33398.64	540575	211.7960 ng/ml
Lorazepam	5.722	1431591	2778.47	55.9	28615.94	114604	182.6957 ng/ml
MDA	3.123	3323390	13084.79	20.3	5484.11	333648	240.8693 ng/ml
MDMA	3.224	2728919	∞	67.9	9462.54	108126	254.2467 ng/ml
Meprobamate	4.869	709893	34656.82	25.6	6254.42	161869	236.4494 ng/ml
Methadone	5.629	3888152	60814.98	50.8	61893.60	700981	244.7013 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	2933922	19611.14	42.1	5918.08	578634	254.7648 ng/ml
Metoprolol	4.278	598651	25968.81	97.1	34958.22	1392936	263.3125 ng/ml
Mirtazapine	4.575	4275910	15141.52	47.4	8066.00	596896	255.5278 ng/ml
Mitragynine	5.181	746785	65789.24	38.5	471082.21	700981	248.6823 ng/ml
Morphine	1.200	158999	1116.32	23.8	5523.90	6947	267.2135 ng/ml
Norbuprenorphine	4.944	12398	5624.20	84.1	268.49	22589	24.0001 ng/ml
Nordiazepam	5.876	1387257	∞	58.1	2250.14	178836	255.4429 ng/ml
Norfentanyl	4.030	578962	19348.15	37.3	7338.38	979890	25.1708 ng/ml
Norhydrocodone	3.007	122936	125.56	42.8	298.79	43209	262.2521 ng/ml
Noroxycodone	2.845	1055387	1103.52	47.7	∞	145991	250.9412 ng/ml
O-desmethyl-tramadol	3.317	7291205	307596.86	5.8	2757.14	1482313	254.5159 ng/ml
Oxazepam	5.732	1854478	21393.68	70.0	∞	460686	255.4909 ng/ml
Oxycodone	2.762	2776717	12957.36	31.3	7667.70	480938	253.9296 ng/ml
Oxymorphone	1.350	993545	∞	48.8	1690.29	146328	247.8354 ng/ml
Phentermine	3.716	965802	11920.33	3.2	2870.19	542441	264.7583 ng/ml
Promethazine	5.508	4279042	11589.09	29.7	1547.53	723837	243.8649 ng/ml
Quetiapine	5.525	2454811	313618.30	59.6	388365.18	128848	252.5543 ng/ml
Sertraline	5.758	958422	39394.05	90.5	7736.92	150502	252.1817 ng/ml
Temazepam	5.799	4318677	20620.57	28.9	2121.97	808243	250.6152 ng/ml
Tramadol	4.190	6778076	10278.24	3.3	1561.05	1392936	261.4992 ng/ml
Trazodone	5.093	3337440	446903.51	77.7	∞	552309	254.5039 ng/ml
Venlafaxine	4.987	5324371	132399.74	35.7	3621.41	1087652	246.5063 ng/ml
Zolpidem	4.858	6938685	158812.44	29.7	286703.80	1394737	256.7499 ng/ml



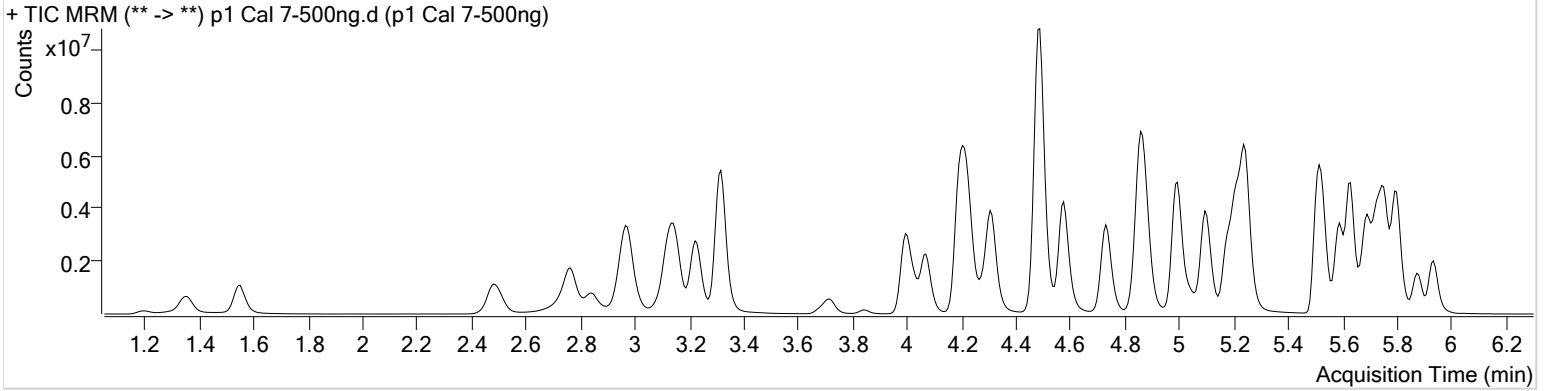
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

**Instrument** Falco **Data File** p1 Cal 7-500ng.d  
**Type** Cal **Sample** p1 Cal 7-500ng  
**Acq. Method** MDQ P1 060520.m **Operator** Celena Shrum  
**Sample Position** P1-B12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 6/29/2020 11:27:37 PM  
**Sample Info.**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	145911	4469.40	70.4	6140.99	61385	50.5591 ng/ml
7-aminoclonazepam	4.230	1650270	339.07	81.7	393.35	114174	492.4652 ng/ml
a-hydroxyalprazolam	5.668	893862	1583.95	63.7	854.99	49877	456.5336 ng/ml
alpha-PVP	4.308	6214780	245878.25	49.9	140934.22	513226	498.9959 ng/ml
Alprazolam	5.751	3085645	3221.13	102.0	8479.35	165504	507.3778 ng/ml
Amphetamine	2.977	6499360	39103.03	51.2	37320.75	219076	380.5336 ng/ml
Benzoylcegonine	3.838	264726	2349.10	7.8	617.61	17467	516.9373 ng/ml
Buprenorphine	5.802	185272	2133.80	16.5	4530.93	140019	50.2724 ng/ml
Bupropion	4.733	5677437	3758.17	59.8	1982.81	368208	501.9153 ng/ml
Carisoprodol	5.700	2404730	1742.97	54.6	1192.39	229460	497.6392 ng/ml
Citalopram	5.176	3673848	4350.56	41.7	1643.78	324642	499.8676 ng/ml
Clonazepam	5.581	3407326	122593.54	33.0	142982.27	93357	473.6800 ng/ml
Cocaine	4.216	5403828	530793.25	44.8	141729.72	783805	497.3215 ng/ml
Codeine	2.509	642486	3294.60	103.0	1467.64	62217	490.7583 ng/ml
Cyclobenzaprine	5.592	3223152	138426.13	9.0	2402.63	236157	515.5019 ng/ml
Dextromethorphan	5.212	1902956	1416.54	79.1	2438.71	176463	498.6059 ng/ml
Dextrorphan	4.070	1687735	26909.76	215.0	3073.56	425872	495.9265 ng/ml
Diazepam	5.936	2425314	12786.74	87.4	∞	241062	491.1276 ng/ml
Dihydrocodeine	2.475	1773313	3549.79	65.3	10280.03	230165	436.2483 ng/ml
Diphenhydramine	5.247	9411354	224632.62	32.0	3425.16	1216655	497.9851 ng/ml
Doxylamine	4.487	14985797	591016.17	97.0	449421.77	1267689	534.4380 ng/ml
EDDP	5.211	4403540	58059.79	42.3	88243.92	463368	502.5852 ng/ml
Fentanyl	5.047	392254	561.99	67.2	3232.14	342487	51.0167 ng/ml
Fluoxetine	5.683	3506664	∞	8.8	634674.55	276347	495.6014 ng/ml
Hydrocodone	2.953	2165121	∞	37.3	4319.92	329810	459.2661 ng/ml
Hydromorphone	1.553	1850582	∞	77.1	∞	117832	500.6491 ng/ml
Ketamine	3.996	5470503	147086.71	38.0	2928.80	514077	489.8829 ng/ml
Lamotrigine	4.232	293857	∞	82.0	36175.59	514077	323.0787 ng/ml
Lorazepam	5.722	1643468	∞	56.1	3761.96	93357	257.6965 ng/ml
MDA	3.123	4830290	101980.28	19.8	26953.98	270133	432.9693 ng/ml
MDMA	3.224	4718162	∞	67.2	213333.09	95994	495.3700 ng/ml
Meprobamate	4.876	935475	69504.90	25.7	22567.05	123501	409.2222 ng/ml
Methadone	5.629	6585173	2165.13	50.3	2136.36	577691	502.1780 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	4795027	5238.88	41.6	19435.15	512540	470.9390 ng/ml
Metoprolol	4.278	1005709	∞	96.2	20697.74	1273998	484.1731 ng/ml
Mirtazapine	4.575	7617965	336161.91	47.0	305339.86	513226	528.8532 ng/ml
Mitragynine	5.181	1217584	115820.98	39.2	38257.09	577691	492.2533 ng/ml
Morphine	1.200	288020	826.39	24.5	9736.20	6902	487.3853 ng/ml
Norbuprenorphine	4.944	22903	439.50	84.0	763.50	20102	49.9666 ng/ml
Nordiazepam	5.876	2211882	3666.88	58.7	4001.48	149500	487.4158 ng/ml
Norfentanyl	4.037	1104207	37595.34	37.4	13651.88	859780	54.6733 ng/ml
Norhydrocodone	3.007	207874	1614.28	47.3	176.33	36727	520.9276 ng/ml
Noroxycodone	2.838	1714798	2270.32	49.8	338.62	122741	485.1601 ng/ml
O-desmethyl-tramadol	3.317	13420165	1998720.02	5.7	58717.24	1343270	516.8575 ng/ml
Oxazepam	5.732	2346812	∞	71.6	13645.60	304848	489.0351 ng/ml
Oxycodone	2.762	5236366	16748.45	31.0	∞	471656	488.7728 ng/ml
Oxymorphone	1.350	1777589	∞	48.2	209.20	129993	499.6026 ng/ml
Phentermine	3.716	1547847	5232.87	3.1	1339.85	487248	473.3174 ng/ml
Promethazine	5.508	7222829	7354.53	29.2	66754.30	598725	496.9710 ng/ml
Quetiapine	5.525	4209542	172058.31	59.6	93014.73	112411	496.5252 ng/ml
Sertraline	5.758	1309541	3381.30	91.7	2678.94	105118	493.5046 ng/ml
Temazepam	5.799	7435794	106752.67	27.8	26097.15	689427	505.8328 ng/ml
Tramadol	4.190	11566050	4784.15	3.2	8408.62	1273998	488.2369 ng/ml
Trazodone	5.093	6172966	202583.41	78.2	180146.59	524620	495.8707 ng/ml
Venlafaxine	4.994	9493247	3610.56	34.8	5705.45	956608	499.0378 ng/ml
Zolpidem	4.858	12672633	∞	29.2	∞	1345869	486.4948 ng/ml

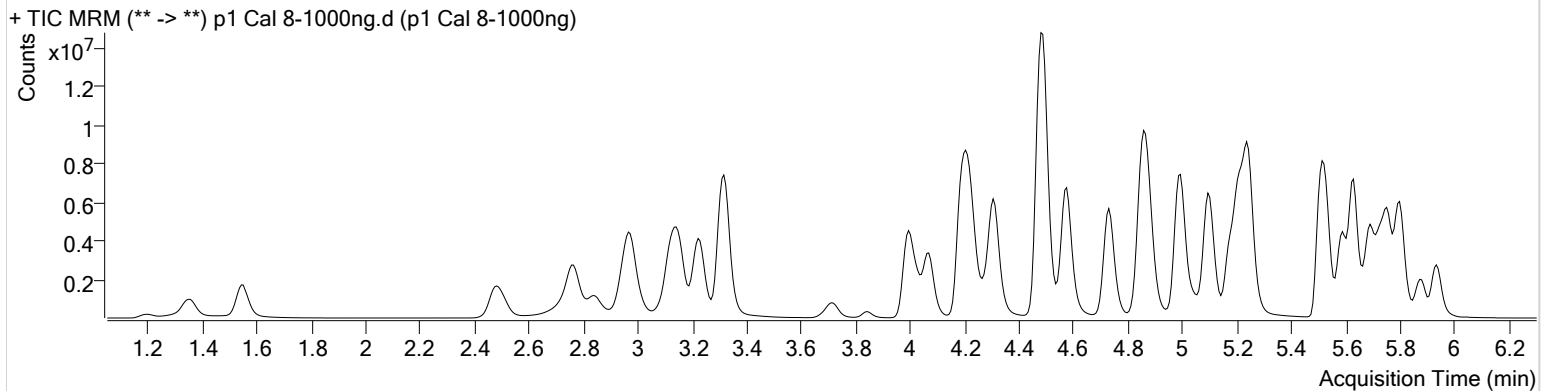
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\062920 AM 27\_28 CS TS\QuantResults\CS MDQ P1.batch.bin  
**Calibration Last Update** 7/1/2020 12:26:21 PM

<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>	P1-A12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	6/29/2020 11:38:13 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	270294	2126.05	70.1	1464.51	58227	98.7447 ng/ml
7-aminoclonazepam	4.237	1888068	15498.37	81.4	10088.01	63298	1015.3908 ng/ml
a-hydroxyalprazolam	5.668	1256176	1491.33	63.8	∞	35985	889.9044 ng/ml
alpha-PVP	4.308	10505471	6808.54	50.0	1965.86	428714	1009.3984 ng/ml
Alprazolam	5.751	4424516	2400.67	105.5	1974.74	120673	997.4007 ng/ml
Amphetamine	2.977	8770686	∞	50.9	87344.26	192742	585.0169 ng/ml
Benzoylcegonine	3.838	586075	9183.08	7.9	4235.39	17460	1144.8272 ng/ml
Buprenorphine	5.802	292789	20726.60	16.3	∞	99862	111.3293 ng/ml
Bupropion	4.733	9914853	239294.29	59.2	16727.53	324723	994.0410 ng/ml
Carisoprodol	5.707	3049548	81338.21	53.7	853.06	142413	1017.1194 ng/ml
Citalopram	5.176	5216158	97835.29	41.1	∞	230532	999.5115 ng/ml
Clonazepam	5.581	4365938	57163.61	33.0	26147.54	68376	829.4610 ng/ml
Cocaine	4.216	8392580	300645.74	44.3	375287.56	599426	1009.4878 ng/ml
Codeine	2.509	969763	∞	103.3	635.37	50525	912.6360 ng/ml
Cyclobenzaprine	5.592	4766536	19021.00	8.9	1048.42	174627	1030.8526 ng/ml
Dextromethorphan	5.212	2396769	6759.69	78.6	882.55	110353	1004.1829 ng/ml
Dextrorphan	4.070	2685130	42013.46	216.0	101844.40	334302	1004.9331 ng/ml
Diazepam	5.936	3640750	14921.67	88.1	1868.56	182005	976.6291 ng/ml
Dihydrocodeine	2.475	2865962	∞	65.3	2297.64	215431	753.6677 ng/ml
Diphenhydramine	5.247	13836729	702979.88	32.6	63373.28	880299	1011.2595 ng/ml
Doxylamine	4.480	22968481	906069.27	98.2	524771.75	1126527	923.0708 ng/ml
EDDP	5.211	8613543	4269.78	41.3	2306.52	435908	1045.0062 ng/ml
Fentanyl	5.047	630180	2319.88	68.3	5034.61	272616	102.9737 ng/ml
Fluoxetine	5.690	4802392	27665.83	8.5	1423140.20	186747	1004.5017 ng/ml
Hydrocodone	2.953	3561057	1208.10	39.9	852.76	290715	857.9530 ng/ml
Hydromorphone	1.553	3143055	2094.22	76.6	711.50	103626	967.0889 ng/ml
Ketamine	3.996	9046688	213718.91	37.6	4519.03	446514	933.1513 ng/ml
Lamotrigine	4.239	370509	28819.99	78.2	24213.87	446514	469.5332 ng/ml
Lorazepam	5.722	1633740	∞	56.3	5258.35	68376	349.9614 ng/ml
MDA	3.123	6282146	180095.80	19.6	49292.73	201033	757.2016 ng/ml
MDMA	3.224	7468623	283492.71	66.7	637787.27	76538	983.7116 ng/ml
Meprobamate	4.882	1020843	95569.44	25.4	7303.02	84568	652.8375 ng/ml
Methadone	5.629	10079913	176708.55	50.2	88850.77	439607	1009.4513 ng/ml

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	7890869	23056.71	41.2	30370.10	481932	824.9895 ng/ml
Metoprolol	4.278	1473758	∞	96.1	∞	1063004	850.8032 ng/ml
Mirtazapine	4.575	12565766	1191702.16	47.1	374641.42	428714	1043.7445 ng/ml
Mitragynine	5.181	1817576	101529.16	37.6	55054.08	439607	965.8901 ng/ml
Morphine	1.200	510401	13767.77	23.9	3994.22	6413	929.6386 ng/ml
Norbuprenorphine	4.944	36663	2184.56	82.1	346.15	16780	95.9470 ng/ml
Nordiazepam	5.882	3167767	69535.24	57.8	49970.56	108196	964.7646 ng/ml
Norfentanyl	4.030	1985785	105886.42	36.9	27187.80	656184	128.7850 ng/ml
Norhydrocodone	3.001	409455	134.05	43.4	853.87	33012	1140.5796 ng/ml
Noroxycodone	2.838	2597846	337.71	48.9	240.66	91142	990.0409 ng/ml
O-desmethyl-tramadol	3.317	20840866	∞	5.9	4499.45	1089325	989.6870 ng/ml
Oxazepam	5.726	2230926	∞	74.7	8646.82	167188	848.0179 ng/ml
Oxycodone	2.755	9088878	7623.99	30.8	∞	422782	946.9379 ng/ml
Oxymorphone	1.350	2875241	1830.88	47.3	∞	108974	964.4053 ng/ml
Phentermine	3.716	2351925	4768.87	3.1	1564.26	429415	816.9236 ng/ml
Promethazine	5.508	10979244	18479.59	28.8	2091.07	445293	1015.0487 ng/ml
Quetiapine	5.525	6706879	316.05	59.9	306.84	92709	959.3229 ng/ml
Sertraline	5.758	1543198	2656.55	91.7	1759.46	60946	1003.2476 ng/ml
Temazepam	5.799	10581075	48078.38	27.7	∞	481567	1030.4454 ng/ml
Tramadol	4.190	17407042	271464.01	3.3	1946.92	1063004	880.9859 ng/ml
Trazodone	5.093	10476378	444036.29	79.2	420492.86	465872	947.9661 ng/ml
Venlafaxine	4.994	15461778	400801.92	35.0	91755.73	769549	1009.6750 ng/ml
Zolpidem	4.858	19642210	327124.48	30.1	250376.29	1188794	854.1482 ng/ml