

**REVIEWED**

By Sarah Collins at 3:58 pm, Jan 26, 2021

TS 1/22/2021

**Worklist: 4751**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-4600	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-5213	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-5270	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0042	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3832	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3854	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0009	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0033	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0034	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0051	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0053	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0054	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0057	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0069	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0072	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0073	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0096	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0112	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0113	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

TS

**Worklist: 4762**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
M2020-5211	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

TS

Extraction Date: 01/22/2021  
Plate lot#: Item #:IDP-121 Lot:201207

Analyst: Tamara Salazar  
Plate Expiration: 06/07/2021

**Mobile phase A:** 5mM Amm Form + 0.01% FA  
0.5M Ammonium Hydroxide

**Mobile phase B:** 0.01% Formic Acid in MeOH  
Ethyl Acetate 20% Methanol in Water

**Blank Blood Lot:** Lampire 20L20725

**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.

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 42** in wells of analytical (standards) plate.
- 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** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right)*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

## Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and 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? Y / N \_\_\_\_\_ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Worklist 4751 and 4762 ran together.*

**Curves Limited:** *Alpha-hydroxyalprazolam 5-100 (qualitative only), Alpha-PHP 5-250, Amphetamine 5-500, Bezoylecgoine 5-500, Buprenorphine 1-100, Codeine 5-500, Dihydrocodeine 5-500, Fluoxetine 25-1000, Lamotrigine 5-250, Levetiracetam 5-1000 (Calibrator 4 dropped due to the low internal standard response compared to other calibrators.), Lorazepam 5-100, Meprobamate 5-250, Mitragynine 5-500, Norbuprenorphine 2.5-100, Norfentanyl 0.5-50, Phentermine 5-500*

**Not evaluated:** *Sertraline, Mirtazapine*

Fluoxetine evaluated qualitatively.

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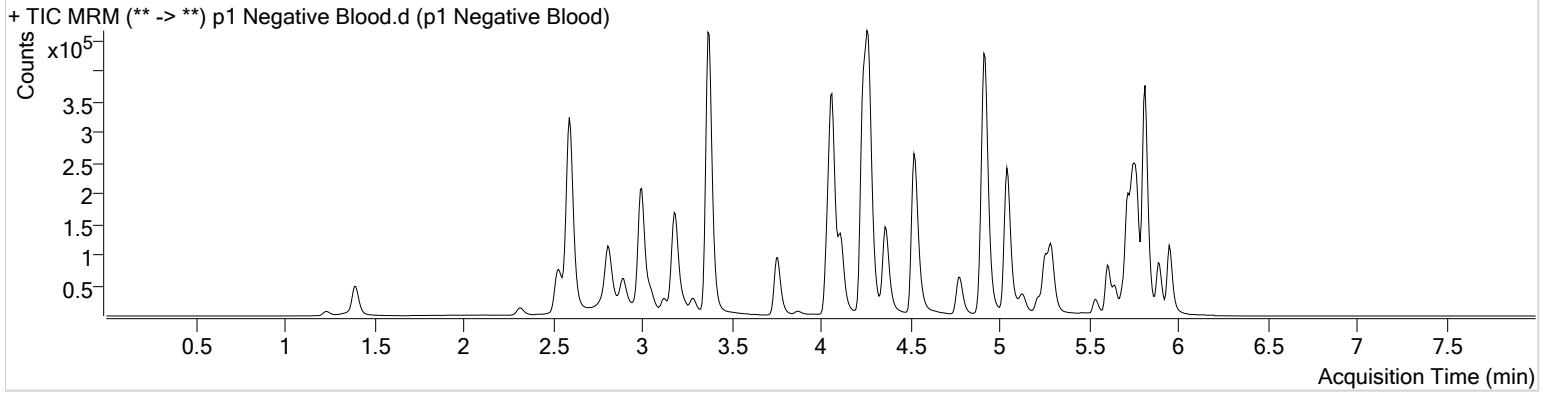
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

**Instrument** Instrument 1  
**Type** Sample  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-C11  
**Injection Volume** 2  
**Acq. Date-Time** 1/23/2021 2:44:15 AM  
**Sample Info.**

**Data File** p1 Negative Blood.d  
**Sample** p1 Negative Blood  
**Operator** Tamara Salazar  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Fluoxetine	5.707	2404	20.39	8.4	∞	7476	12.5029 ng/ml <25
Sertraline	5.775	1412	13.35	99.2	∞	3804	17.7895 ng/ml *

\*Compound not evaluated.

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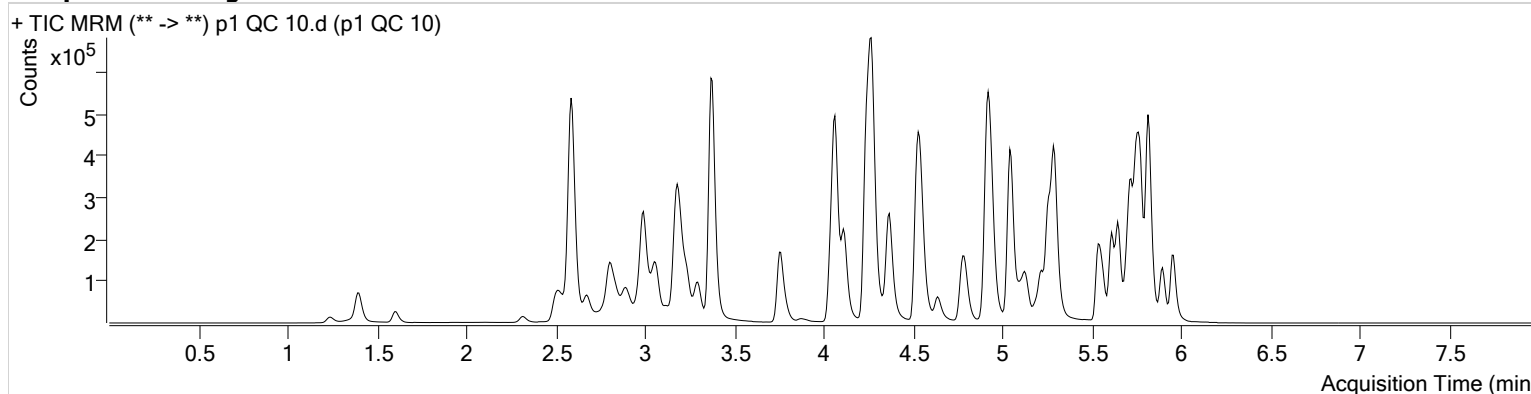
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

**Instrument** Instrument 1  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-H11  
**Injection Volume** 2  
**Acq. Date-Time** 1/23/2021 1:08:45 AM  
**Sample Info.**

**Data File** p1 QC 10.d  
**Sample** p1 QC 10  
**Operator** Tamara Salazar  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	2466	479.43	67.8	1974.57	58779	1.0188 ng/ml
7-aminoclonazepam	4.278	57595	2454.37	81.9	5240.29	218514	9.6580 ng/ml
a-hydroxyalprazolam	5.698	27180	380.75	60.8	430.39	96417	10.4658 ng/ml
alpha-PHP	4.943	25119	1207.63	265.3	1827.10	511147	9.3606 ng/ml
alpha-PVP	4.376	110991	326.36	52.6	253.36	511147	9.8356 ng/ml
Alprazolam	5.775	86417	626.20	114.5	432.41	319721	9.6449 ng/ml
Amphetamine	3.062	207621	1097.74	51.7	2657.68	230940	9.4355 ng/ml
Benzoylecgonine	3.899	4235	1079.82	9.1	157.79	14371	10.1209 ng/ml
Buprenorphine	5.893	1273	74.26	14.0	350.14	45123	1.0427 ng/ml
Bupropion	4.801	97365	993.44	59.6	157.77	344133	9.9521 ng/ml
Carisoprodol	5.730	78415	1161.96	56.2	729.91	416644	9.4034 ng/ml
Citalopram	5.218	44198	1416.09	42.8	∞	202651	10.1003 ng/ml
Clonazepam	5.611	114297	2472.20	33.2	∞	133268	10.1730 ng/ml
Clonazepam	5.555	65446	2416.73	36.1	30232.61	133268	10.2654 ng/ml
Cocaine	4.270	94057	10127.88	51.2	8580.67	882854	9.7622 ng/ml
Codeine	2.566	13546	309.27	103.0	2709.09	65938	10.5028 ng/ml
Cyclobenzaprine	5.621	29148	3971.97	9.2	∞	120202	9.7157 ng/ml
Dextromethorphan	5.268	23510	462.17	79.2	1535.72	110198	9.9140 ng/ml
Dextrophan	4.118	29541	526.60	204.5	1087.37	365733	10.0203 ng/ml
Diazepam	5.959	53356	779.62	86.1	1484.85	253155	9.8928 ng/ml
Dihydrocodeine	2.538	33730	413.85	64.2	763.59	198959	10.2202 ng/ml
Diphenhydramine	5.296	110741	8085.75	33.6	2713.19	712031	9.6134 ng/ml
Doxylamine	4.542	241884	5430.10	99.4	8848.89	1050372	9.9787 ng/ml
EDDP	5.261	78141	∞	41.6	7128.37	410266	9.8396 ng/ml
Etizolam	5.819	53388	2281.64	25.8	7120.02	133268	9.7984 ng/ml
Fentanyl	5.116	3191	144.79	66.9	4593.64	153864	0.9582 ng/ml
Flualprazolam	5.705	40658	859.28	101.4	1629.40	319721	9.8779 ng/ml
* Fluoxetine	<del>5.707</del>	<del>33660</del>	<del>3684.82</del>	<del>8.8</del>	<del>112.01</del>	<del>125246</del>	<del>10.2188 ng/ml</del>
Hydrocodone	3.018	50574	∞	36.3	128.03	617971	9.9776 ng/ml
Hydromorphone	1.608	41730	913.68	76.3	∞	12022	9.8018 ng/ml
Ketamine	4.058	94413	3799.46	38.5	434.65	449438	9.9374 ng/ml
Lamotrigine	4.287	9423	2660.67	82.6	∞	449438	10.0030 ng/ml
Levetiracetam	2.676	48468	2764.33	166.2	1007.56	1239532	9.9980 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	86218	∞	56.5	∞	133268	9.8850 ng/ml
MDA	3.209	150480	736.99	22.5	285.70	381471	10.2313 ng/ml
MDMA	3.296	87255	4781.78	77.0	1908.42	87918	9.8082 ng/ml
Meprobamate	4.931	48684	177.31	27.2	478.92	220734	10.4549 ng/ml
Methadone	5.652	74511	3499.15	47.4	358.06	336655	9.8573 ng/ml
Methamphetamine	3.237	144121	264.11	39.6	251.57	558274	10.0849 ng/ml
Metoprolol	4.332	21261	2374.20	90.3	∞	1041766	9.7996 ng/ml
* Mirtazapine	<del>4.637</del>	<del>90525</del>	<del>7833.98</del>	<del>48.2</del>	<del>3125.39</del>	<del>511147</del>	<del>8.8024 ng/ml</del>
Mitragynine	5.243	13342	1871.16	34.5	94.04	336655	10.9209 ng/ml
Morphine	1.246	6175	2120.16	27.4	104.09	8474	9.5130 ng/ml
* Norbuprenorphine	<del>4.992</del>	<del>214</del>	<del>138.73</del>	<del>80.8</del>	<del>366.18</del>	<del>6946</del>	<del>0.8652 ng/ml</del>
Nordiazepam	5.899	55024	1640.48	56.4	1815.80	183030	10.1463 ng/ml
Norfentanyl	4.092	21404	3965.16	34.7	129.06	930439	0.9754 ng/ml
Norhydrocodone	3.066	7455	89.07	39.9	330.54	74029	9.8830 ng/ml
Noroxycodone	2.909	55725	∞	42.7	171.55	196273	9.7946 ng/ml
O-desmethyl-tramadol	3.376	205769	3218.52	6.9	∞	1315948	9.5032 ng/ml
Oxazepam	5.756	101283	1352.38	68.3	250.48	410018	9.9618 ng/ml
Oxycodone	2.834	106453	2471.32	26.8	1743.93	450712	10.0724 ng/ml
Oxymorphone	1.398	46553	∞	42.4	329.40	167095	9.8576 ng/ml
Phentermine	3.789	39321	∞	4.6	169.95	457743	9.9622 ng/ml
Promethazine	5.538	60327	1307.38	27.5	885.28	253577	10.1033 ng/ml
Pseudoephedrine	2.596	250531	3488.15	16.2	3263.86	1239532	9.6032 ng/ml
Quetiapine	5.562	57407	3129.35	59.1	2821.05	77787	9.8759 ng/ml
** Sertraline	<del>5.775</del>	<del>16090</del>	<del>410.64</del>	<del>99.7</del>	<del>2036.51</del>	<del>73806</del>	<del>10.4441 ng/ml</del>
Temazepam	5.823	155841	1213.42	30.6	342.91	778450	9.9232 ng/ml
Tramadol	4.252	205755	10792.42	3.9	124.61	1041766	9.7466 ng/ml
Trazodone	5.189	57079	5011.75	80.3	5815.17	240838	10.0610 ng/ml
Venlafaxine	5.043	159034	3632.06	41.2	191.01	849334	9.7650 ng/ml
Zolpidem	4.941	231505	1957.18	31.5	1351.77	1144581	9.8178 ng/ml

\*Outside curve range.

\*\* Compound not evaluated.

# AM #28 Multi-Drug Quant. Results

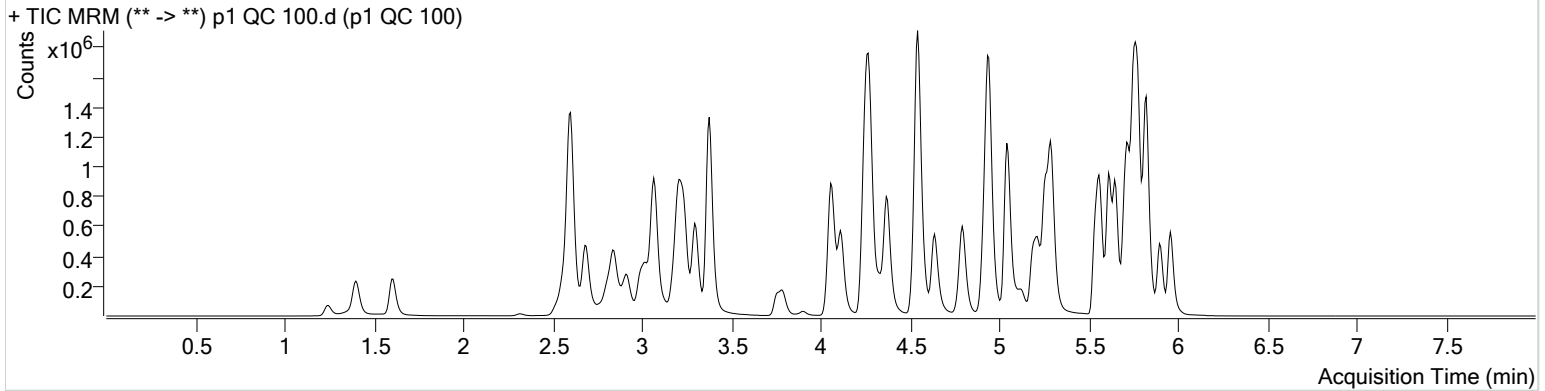
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**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-G11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/23/2021 1:29:58 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	24263	56922.84	73.6	767.80	57557	10.2848 ng/ml
7-aminoclonazepam	4.278	527973	19011.55	80.3	11693.84	181535	103.7480 ng/ml
a-hydroxyalprazolam	5.698	241350	3497.53	58.5	821.24	102909	95.3433 ng/ml
alpha-PPH	4.943	229205	13807.74	265.0	308607.58	453928	103.5310 ng/ml
alpha-PVP	4.376	1037316	2142.20	53.9	810.72	453928	103.1983 ng/ml
Alprazolam	5.775	832384	6297.40	112.8	13542.73	273525	108.1689 ng/ml
Amphetamine	3.069	1694888	16953.14	50.4	18699.49	176536	111.4607 ng/ml
Benzoylecgonine	3.899	43073	4738.32	8.1	3326.92	13666	105.1416 ng/ml
Buprenorphine	5.893	13752	683.29	13.7	1626.58	42826	10.1187 ng/ml
Bupropion	4.794	883386	512.22	60.8	982.85	297880	106.4979 ng/ml
Carisoprodol	5.730	711708	34102.42	52.6	13467.46	330987	105.6797 ng/ml
Citalopram	5.218	459158	13659.57	44.2	210778.74	201182	104.9495 ng/ml
Clonazepam	5.611	1059183	59059.82	33.3	11914.77	119712	110.9381 ng/ml
Clonazepam	5.555	609163	3990.95	36.8	7840.02	119712	110.0359 ng/ml
Cocaine	4.264	898714	28670.40	51.2	20283.45	779528	106.8221 ng/ml
Codeine	2.580	118970	2133.58	104.4	1032.14	59434	111.4477 ng/ml
Cyclobenzaprine	5.621	379076	802.01	8.8	∞	142595	104.8651 ng/ml
Dextromethorphan	5.268	258433	301.41	80.3	913.71	116348	105.9786 ng/ml
Dextrophan	4.118	287786	17732.52	205.8	46247.97	334469	106.6344 ng/ml
Diazepam	5.959	527960	1390.78	87.2	505.49	235592	106.1407 ng/ml
Dihydrocodeine	2.559	334902	1100.55	62.5	942.53	184993	114.0087 ng/ml
Diphenhydramine	5.296	1191642	58820.29	33.7	21894.21	708931	101.8488 ng/ml
Doxylamine	4.542	2404450	95429.57	97.6	150962.59	978751	109.9144 ng/ml
EDDP	5.261	753918	1905.04	43.1	38021.17	383914	101.5759 ng/ml
Etizolam	5.819	513432	9687.09	24.8	2689.34	119712	107.1830 ng/ml
Fentanyl	5.116	38778	339.13	69.5	∞	178968	10.3774 ng/ml
Flualprazolam	5.705	380057	5540.14	99.6	17080.63	273525	110.0261 ng/ml
Fluoxetine	5.707	367888	902.00	9.0	435.59	145580	107.8453 ng/ml
Hydrocodone	3.018	481689	∞	38.2	132.65	560104	113.9161 ng/ml
Hydromorphone	1.608	412224	5497.97	74.2	564.11	10793	114.1546 ng/ml
Ketamine	4.058	916020	24395.48	38.5	610.89	422373	108.9349 ng/ml
Lamotrigine	4.287	89655	26049.46	79.9	∞	422373	109.9320 ng/ml
Levetiracetam	2.683	470311	15234.80	160.6	3092.73	1088284	106.4041 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	727624	∞	60.5	∞	119712	99.0035 ng/ml
MDA	3.209	1337536	37858.74	23.1	2029.28	333657	114.7504 ng/ml
MDMA	3.296	838532	11426.03	78.3	11286.27	78375	108.5389 ng/ml
Meprobamate	4.931	416532	2411.90	26.8	4864.63	201440	105.2226 ng/ml
Methadone	5.652	884526	5092.01	45.5	939.58	364861	106.2881 ng/ml
Methamphetamine	3.237	1054984	1630.62	39.8	1084.86	411818	113.4187 ng/ml
Metoprolol	4.332	206916	11664.88	90.0	6832.35	982847	107.5606 ng/ml
** Mirtazapine	<del>4.637</del>	<del>926145</del>	<del>7160.23</del>	<del>47.0</del>	<del>5376.01</del>	<del>453928</del>	<del>99.0990 ng/ml</del>
Mitragynine	5.243	141200	15446.95	39.7	6858.79	364861	114.2876 ng/ml
Morphine	1.246	60882	965.46	26.4	364.15	7430	109.7545 ng/ml
Norbuprenorphine	4.992	1600	2687.31	95.7	89.78	7212	10.1997 ng/ml
Nordiazepam	5.899	526966	3011.31	60.0	1024.19	172148	104.4761 ng/ml
Norfentanyl	4.086	209152	356.31	35.0	1026.56	833604	10.2309 ng/ml
Norhydrocodone	3.066	61038	206.79	42.3	297.22	58716	100.0551 ng/ml
Noroxycodone	2.916	534925	1722.51	42.5	3764.88	175649	107.8220 ng/ml
O-desmethyl-tramadol	3.376	2080273	∞	7.0	14396.33	1228936	103.5728 ng/ml
Oxazepam	5.756	889470	∞	74.7	∞	336181	109.3237 ng/ml
Oxycodone	2.841	1052617	4932.11	27.0	2935.27	427387	108.9302 ng/ml
Oxymorphone	1.398	433745	7598.79	43.6	∞	147188	109.3654 ng/ml
Phentermine	3.789	341974	5834.01	4.2	2245.31	379093	110.4386 ng/ml
Promethazine	5.538	757292	1561.53	28.2	311.56	307414	106.0007 ng/ml
Pseudoephedrine	2.603	2422746	∞	16.3	1867.55	1088284	103.6081 ng/ml
Quetiapine	5.562	602732	17204.15	58.3	∞	76283	108.5162 ng/ml
** Sertraline	<del>5.775</del>	<del>176749</del>	<del>3160.95</del>	<del>102.5</del>	<del>17927.79</del>	<del>84296</del>	<del>100.4687 ng/ml</del>
Temazepam	5.823	1464518	29351.17	28.7	777.39	658625	107.1613 ng/ml
Tramadol	4.252	2025622	192954.11	3.7	539.16	982847	108.4846 ng/ml
Trazodone	5.189	640287	1479.25	80.3	2466.50	260956	107.7843 ng/ml
Venlafaxine	5.043	1587244	66416.53	40.2	7557.31	785886	105.1965 ng/ml
Zolpidem	4.941	2305805	11744.86	31.0	5152.12	1079026	111.0148 ng/ml

\*\* Compound not evaluated.



# AM #28 Multi-Drug Quant. Results

TS

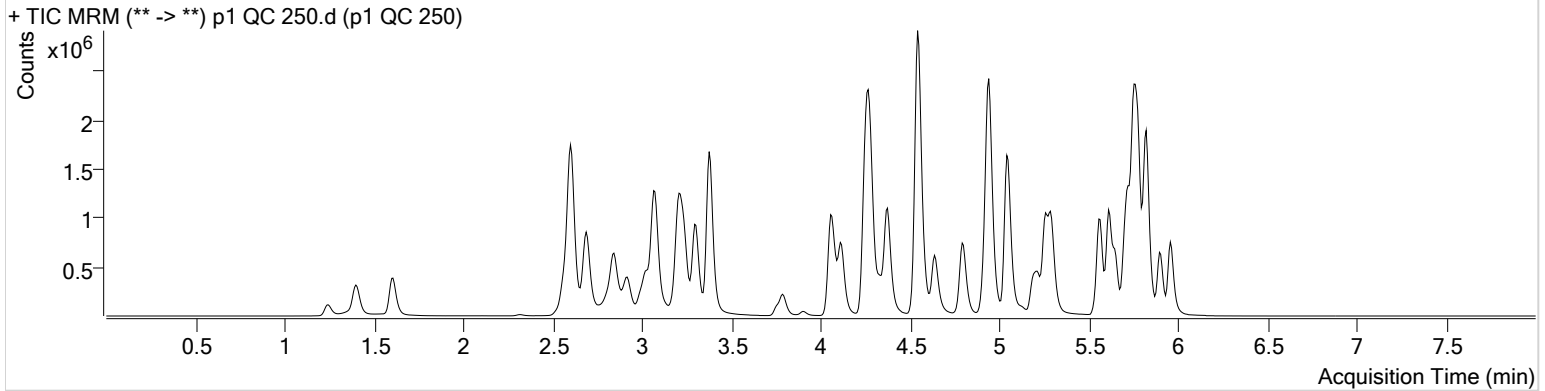


**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

**Instrument** Instrument 1  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-F11  
**Injection Volume** 2  
**Acq. Date-Time** 1/23/2021 1:51:11 AM  
**Sample Info.**

**Data File** p1 QC 250.d  
**Sample** p1 QC 250  
**Operator** Tamara Salazar  
**Comment**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	38373	57939.82	72.5	15081.91	39824	23.5156 ng/ml
7-aminoclonazepam	4.278	741549	45559.33	80.1	24329.33	111756	236.3400 ng/ml
* a-hydroxyalprazolam	<del>5.698</del>	<del>343028</del>	<del>4078.39</del>	<del>58.3</del>	<del>2715.66</del>	<del>86566</del>	<del>161.8725 ng/ml</del>
alpha-PHP	4.943	335179	4261.32	267.2	5205.85	302895	227.8362 ng/ml
alpha-PVP	4.376	1637364	2351.74	53.2	968.25	302895	244.0745 ng/ml
Alprazolam	5.775	1263409	2129.57	113.6	8290.95	180246	249.0930 ng/ml
Amphetamine	3.076	2418179	20050.41	50.9	21039.61	118476	238.2026 ng/ml
Benzoylcegonine	3.899	71152	14631.16	8.0	430.17	9380	252.5978 ng/ml
Buprenorphine	5.893	9601	321.05	15.5	∞	13472	22.2510 ng/ml
Bupropion	4.794	1191059	44497.97	60.3	46445.76	173888	246.2798 ng/ml
Carisoprodol	5.730	1047322	57704.63	52.6	∞	211893	242.7024 ng/ml
Citalopram	5.218	443640	16755.34	44.0	1381.77	86460	235.8518 ng/ml
Clonazepam	5.611	1664457	∞	33.2	628.19	82510	253.7603 ng/ml
Clonazepam	5.555	930019	10211.03	37.2	76683.95	82510	244.2141 ng/ml
Cocaine	4.270	1421344	84500.23	50.9	1659695.24	536592	245.5852 ng/ml
Codeine	2.580	174625	518.78	103.8	780.08	40031	244.0960 ng/ml
Cyclobenzaprine	5.621	70098	9472.82	9.4	173.91	12852	214.9728 ng/ml
Dextromethorphan	5.268	177464	16334.84	80.0	12599.45	35404	239.5296 ng/ml
Dextrophan	4.118	455437	22637.63	206.4	1332.62	230499	244.8604 ng/ml
Diazepam	5.959	804510	6228.16	86.4	1445.21	156100	244.2299 ng/ml
Dihydrocodeine	2.559	512632	6406.77	62.9	4687.01	129655	249.5928 ng/ml
Diphenhydramine	5.296	1208722	1053.50	33.3	260.92	313593	233.2768 ng/ml
Doxylamine	4.542	3872715	186246.28	97.7	∞	683429	254.0006 ng/ml
EDDP	5.261	1255721	28663.92	43.2	1258.30	274857	236.3302 ng/ml
Etizolam	5.819	749260	21959.84	25.0	2685.37	82510	227.2004 ng/ml
Fentanyl	5.116	12426	546.20	68.2	20471.02	26826	22.2283 ng/ml
Flualprazolam	5.705	555154	8796.51	100.2	1413.97	180246	244.1466 ng/ml
Fluoxetine	5.707	31610	686.09	9.6	∞	6353	213.6983 ng/ml
Hydrocodone	3.025	751605	∞	38.8	∞	405556	246.5863 ng/ml
Hydromorphone	1.608	652635	721.92	74.5	641.45	8471	230.8995 ng/ml
Ketamine	4.058	1435502	757.25	39.0	6751.26	289665	249.7973 ng/ml
Lamotrigine	4.287	131660	3211.43	81.3	∞	289665	236.4817 ng/ml
Levetiracetam	2.690	898133	1584.16	161.4	67648.70	704350	313.1604 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	<del>5.746</del>	<del>1047301</del>	<del>1904.64</del>	<del>59.2</del>	<del>2776.74</del>	<del>82510</del>	<del>207.5456 ng/ml</del>
MDA	3.209	2093994	115344.38	23.2	13795.83	230389	261.6642 ng/ml
MDMA	3.303	1336735	13955.77	77.1	∞	54669	248.4232 ng/ml
Meprobamate	4.931	587405	87719.85	26.6	12442.78	133875	224.2424 ng/ml
Methadone	5.652	633995	2975.17	44.8	9403.40	120330	230.8016 ng/ml
Methamphetamine	3.237	1149744	7107.38	39.3	2302.71	210016	244.0779 ng/ml
Metoprolol	4.332	331870	591241.39	89.9	11161.72	665101	255.8838 ng/ml
** Mirtazapine	<del>4.637</del>	<del>1006049</del>	<del>6814.12</del>	<del>47.8</del>	<del>5316.24</del>	<del>302895</del>	<del>161.1882 ng/ml</del>
Mitragynine	5.243	70346	19270.77	37.8	1418.21	120330	173.0920 ng/ml
Morphine	1.246	104723	5078.77	27.3	1903.88	5740	244.6931 ng/ml
Norbuprenorphine	4.992	1376	103.42	90.9	1375.72	2399	27.4035 ng/ml
Nordiazepam	5.899	802814	∞	58.8	1268.81	110920	247.1991 ng/ml
Norfentanyl	4.086	332779	419.26	34.0	595.80	570590	23.7273 ng/ml
Norhydrocodone	3.066	88766	168.28	43.7	127.13	38793	219.9796 ng/ml
Noroxycodone	2.916	836716	1244.37	42.9	1701.44	114255	259.6751 ng/ml
O-desmethyl-tramadol	3.376	3261787	113336.16	7.0	13663.60	826699	241.5086 ng/ml
Oxazepam	5.756	1323057	∞	75.2	∞	219565	249.3293 ng/ml
Oxycodone	2.841	1645338	5082.63	27.1	3773.85	285674	255.2848 ng/ml
Oxymorphone	1.398	668622	∞	42.9	366.00	98531	252.5340 ng/ml
Phentermine	3.789	506360	1814.10	4.1	540.07	251901	246.8483 ng/ml
Promethazine	5.538	159415	1381.84	28.5	1406.87	29901	229.5800 ng/ml
Pseudoephedrine	2.603	3625037	∞	16.3	5775.24	704350	239.2419 ng/ml
Quetiapine	5.562	699547	59040.66	59.5	385.06	39683	242.4631 ng/ml
** Sertraline	<del>5.775</del>	<del>12798</del>	<del>∞</del>	<del>102.3</del>	<del>494.18</del>	<del>3624</del>	<del>169.2251 ng/ml</del>
Temazepam	5.823	2165987	2067.47	29.3	891.17	438986	237.4172 ng/ml
Tramadol	4.252	3241519	220578.77	3.7	397.44	665101	257.5215 ng/ml
Trazodone	5.189	562147	450.13	79.6	47849.63	98812	250.4246 ng/ml
Venlafaxine	5.043	2647104	159811.38	40.7	1098.96	558237	246.9658 ng/ml
Zolpidem	4.941	3510570	31159.13	30.7	63792.08	726964	251.8334 ng/ml

\*Outside curve range.

\*\* Compound not evaluated.

# AM #28 Multi-Drug Quant. Results

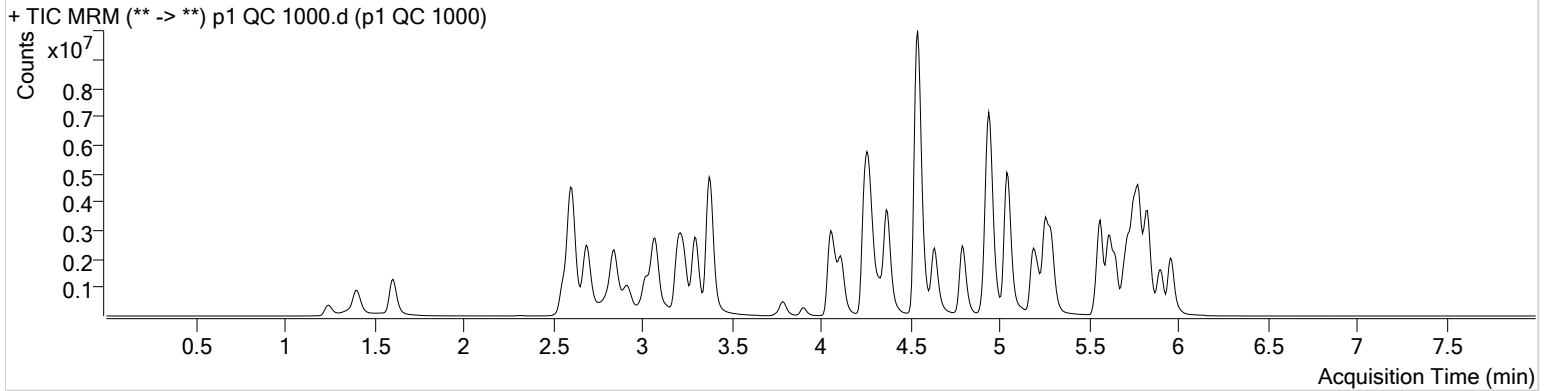
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 1000.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 1000
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-E11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/23/2021 2:12:24 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	195684	13520.50	71.9	14396.20	48501	98.4817 ng/ml
7-aminoclonazepam	4.284	1659556	31496.00	84.0	27363.53	58635	1007.1711 ng/ml
* a-hydroxyalprazolam	<del>5.691</del>	<del>675656</del>	<del>657.59</del>	<del>60.4</del>	<del>818.78</del>	<del>146180</del>	<del>189.0001 ng/ml</del>
* alpha-PHP	<del>4.943</del>	<del>847506</del>	<del>9199.23</del>	<del>266.3</del>	<del>∞</del>	<del>281320</del>	<del>621.6347 ng/ml</del>
alpha-PVP	4.376	6168635	554145.79	53.7	306408.05	281320	989.9527 ng/ml
Alprazolam	5.781	3937479	∞	112.9	2649.09	144850	965.8955 ng/ml
* Amphetamine	<del>3.076</del>	<del>5473764</del>	<del>79053.09</del>	<del>50.8</del>	<del>76089.63</del>	<del>75161</del>	<del>852.7637 ng/ml</del>
* Benzoyllecgonine	<del>3.899</del>	<del>501271</del>	<del>∞</del>	<del>7.9</del>	<del>4081.96</del>	<del>12553</del>	<del>1328.2850 ng/ml</del>
Buprenorphine	5.893	19694	7205.11	16.5	22720.07	6139	99.5712 ng/ml
Bupropion	4.794	4103852	829418.76	60.9	62387.17	154797	953.8787 ng/ml
Carisoprodol	5.730	2393129	1708234.84	54.1	12201.45	114118	1029.1773 ng/ml
Citalopram	5.218	1390242	43446.86	43.1	202192.44	65690	972.5372 ng/ml
Clonazepam	5.618	4890772	90303.04	33.1	167216.13	67315	915.6232 ng/ml
Clonazepam	5.555	2841971	19018.41	38.2	43925.17	67315	915.8047 ng/ml
Cocaine	4.264	4641055	220211.53	50.4	629024.46	422313	1019.2736 ng/ml
* Codeine	<del>2.580</del>	<del>498352</del>	<del>27762.17</del>	<del>94.7</del>	<del>11885.79</del>	<del>36601</del>	<del>764.1074 ng/ml</del>
Cyclobenzaprine	5.621	389299	673.31	9.3	∞	16270	942.5389 ng/ml
Dextromethorphan	5.268	517068	42126.79	79.8	16629.86	25333	976.2518 ng/ml
Dextrophan	4.118	1409577	41477.07	208.9	1846.56	172658	1011.6849 ng/ml
Diazepam	5.959	2688130	19639.46	87.0	∞	134248	949.1696 ng/ml
* Dihydrocodeine	<del>2.559</del>	<del>1860595</del>	<del>444.45</del>	<del>63.5</del>	<del>4835.17</del>	<del>158446</del>	<del>742.2754 ng/ml</del>
Diphenhydramine	5.296	3704709	342076.88	33.3	29987.84	233253	960.5996 ng/ml
Doxylamine	4.542	15245042	729843.58	96.6	588363.80	733501	932.5782 ng/ml
EDDP	5.261	4982987	∞	42.7	47393.53	262998	980.1437 ng/ml
Etizolam	5.819	2430047	9324.79	25.3	2488.05	67315	903.9017 ng/ml
Fentanyl	5.116	57103	442.94	70.6	42685.42	29812	92.0423 ng/ml
Flualprazolam	5.705	1634951	17486.81	104.2	439.32	144850	895.2878 ng/ml
Fluoxetine	5.707	109029	10683.43	9.3	102.28	5517	852.9021 ng/ml
Hydrocodone	3.018	2845774	756.39	40.6	∞	444800	853.6054 ng/ml
Hydromorphone	1.608	2411817	2187.76	75.4	1206.02	8277	875.0657 ng/ml
Ketamine	4.058	5683958	148161.79	38.1	∞	315445	910.0467 ng/ml
* Lamotrigine	<del>4.293</del>	<del>341427</del>	<del>34618.48</del>	<del>79.9</del>	<del>∞</del>	<del>315445</del>	<del>564.4490 ng/ml</del>
Levetiracetam	2.690	2756364	108460.05	161.6	86574.53	537037	1259.2792 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	<del>5.746</del>	<del>1490129</del>	<del>∞</del>	<del>56.0</del>	<del>∞</del>	<del>67315</del>	<del>362.5029 ng/ml</del>
MDA	3.209	5200913	163360.06	23.0	20702.85	179711	835.7452 ng/ml
MDMA	3.296	4348247	383794.36	76.6	86344.89	46469	951.5100 ng/ml
* Meprobamate	<del>4.917</del>	<del>1249706</del>	<del>33297.09</del>	<del>26.3</del>	<del>6238.65</del>	<del>133883</del>	<del>478.0183 ng/ml</del>
Methadone	5.652	2075504	55384.45	44.1	639.91	96198	944.5979 ng/ml
Methamphetamine	3.237	2896710	11363.51	39.7	18900.16	148902	871.1473 ng/ml
Metoprolol	4.332	1098448	67719.94	90.0	∞	640620	881.0003 ng/ml
** Mirtazapine	<del>4.637</del>	<del>3977679</del>	<del>397941.40</del>	<del>47.3</del>	<del>318181.80</del>	<del>281320</del>	<del>685.4621 ng/ml</del>
* Mitragynine	<del>5.243</del>	<del>207031</del>	<del>36645.46</del>	<del>40.0</del>	<del>3166.98</del>	<del>96198</del>	<del>639.5464 ng/ml</del>
Morphine	1.246	401748	13627.87	26.5	18275.42	5692	947.4157 ng/ml
Norbuprenorphine	4.992	3339	∞	102.0	753.60	1766	91.7848 ng/ml
Nordiazepam	5.906	2403872	20590.84	59.0	853.87	88710	925.8524 ng/ml
* Norfentanyl	<del>4.086</del>	<del>1362494</del>	<del>83681.31</del>	<del>33.8</del>	<del>1530.25</del>	<del>445281</del>	<del>124.3101 ng/ml</del>
Norhydrocodone	3.066	304746	95.11	42.4	670.08	26378	1109.7954 ng/ml
Noroxycodone	2.916	2353831	∞	44.3	∞	91132	916.5821 ng/ml
O-desmethyl-tramadol	3.376	12766124	430510.28	7.1	62415.65	812472	961.9892 ng/ml
Oxazepam	5.756	2255065	3887.86	72.9	703.17	100315	930.8796 ng/ml
Oxycodone	2.841	7164749	8570.41	26.8	4928.67	344594	922.6602 ng/ml
Oxymorphone	1.398	2574957	∞	42.3	362.25	99788	961.7894 ng/ml
* Phentermine	<del>3.789</del>	<del>1357711</del>	<del>22953.51</del>	<del>4.3</del>	<del>3233.57</del>	<del>198812</del>	<del>840.0907 ng/ml</del>
Promethazine	5.538	796793	4157.11	28.3	498.48	36946	929.1358 ng/ml
Pseudoephedrine	2.610	11949963	∞	16.3	∞	537037	1033.6505 ng/ml
Quetiapine	5.562	3005527	1499.33	59.4	80544.68	43287	955.8280 ng/ml
** Sertraline	<del>5.775</del>	<del>61569</del>	<del>2940.82</del>	<del>100.3</del>	<del>354.88</del>	<del>3249</del>	<del>908.0956 ng/ml</del>
Temazepam	5.829	5009268	92725.32	29.4	10337.96	237733	1012.9040 ng/ml
Tramadol	4.245	10362647	∞	3.9	∞	640620	856.3835 ng/ml
Trazodone	5.189	3417352	666762.32	80.0	1442.51	152079	990.2826 ng/ml
Venlafaxine	5.043	9623224	214735.41	40.7	105439.93	493237	1016.0879 ng/ml
Zolpidem	4.941	13884431	∞	30.8	12608.81	846462	857.2259 ng/ml

\*Outside curve range.

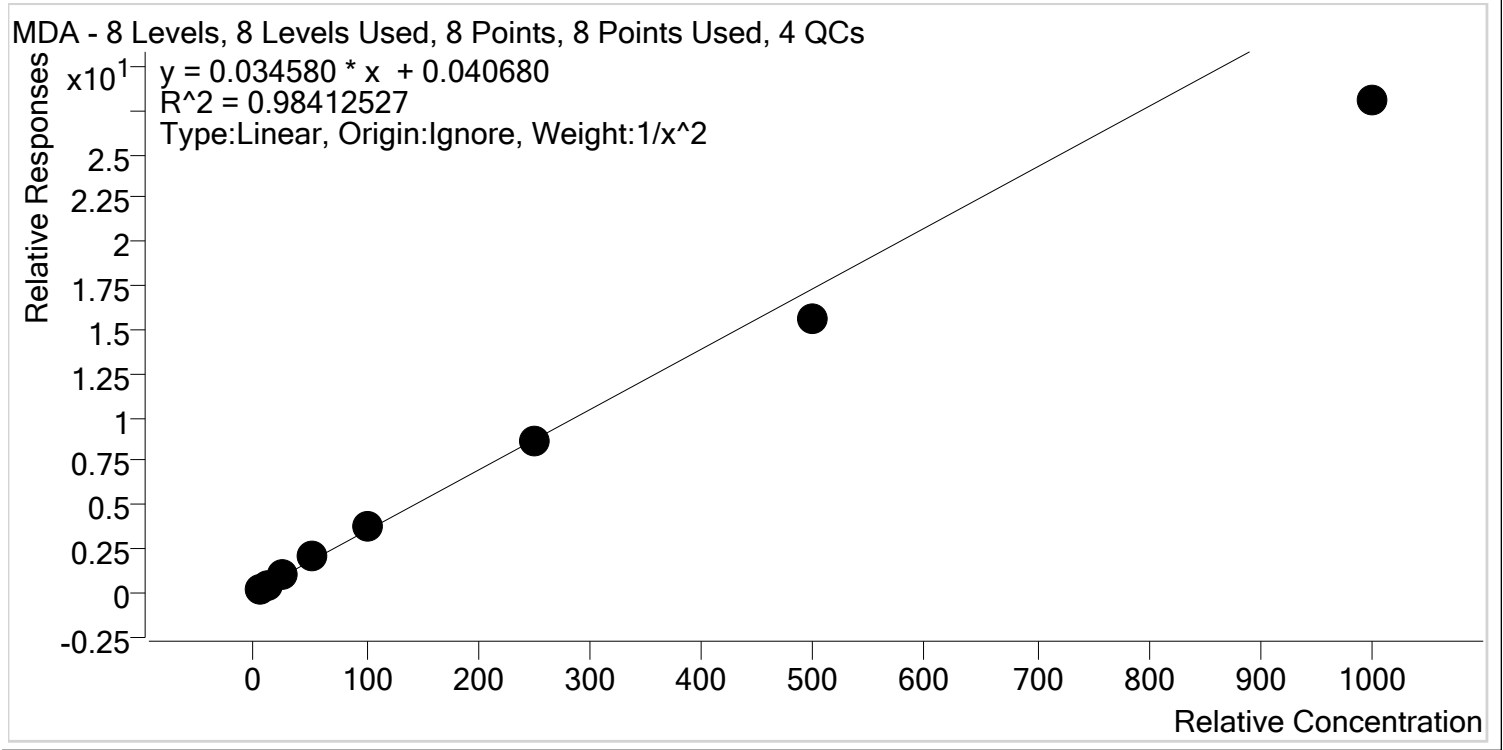
\*\* Compound not evaluated.



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** MDA **Internal Standard** MDA-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.7
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	57.0	114.1
p1 Cal 5-100ng	5	✓	100.0	109.2	109.2
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	447.9	89.6
p1 Cal 8-1000ng	8	✓	1000.0	809.9	81.0

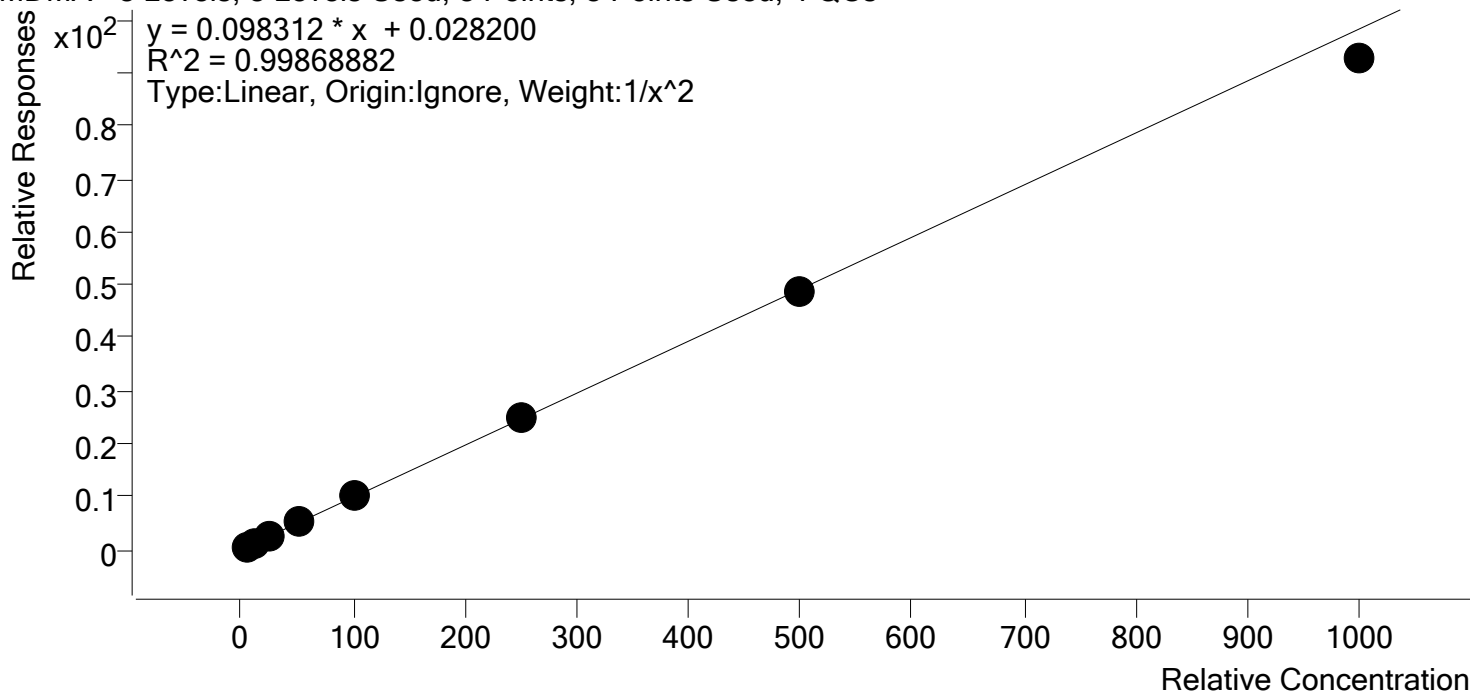


TS

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

Batch results D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 1/26/2021 1:03 PM  
 Analyst Name ISP\Datastor  
 Analyte MDMA Internal Standard MDMA-D6

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



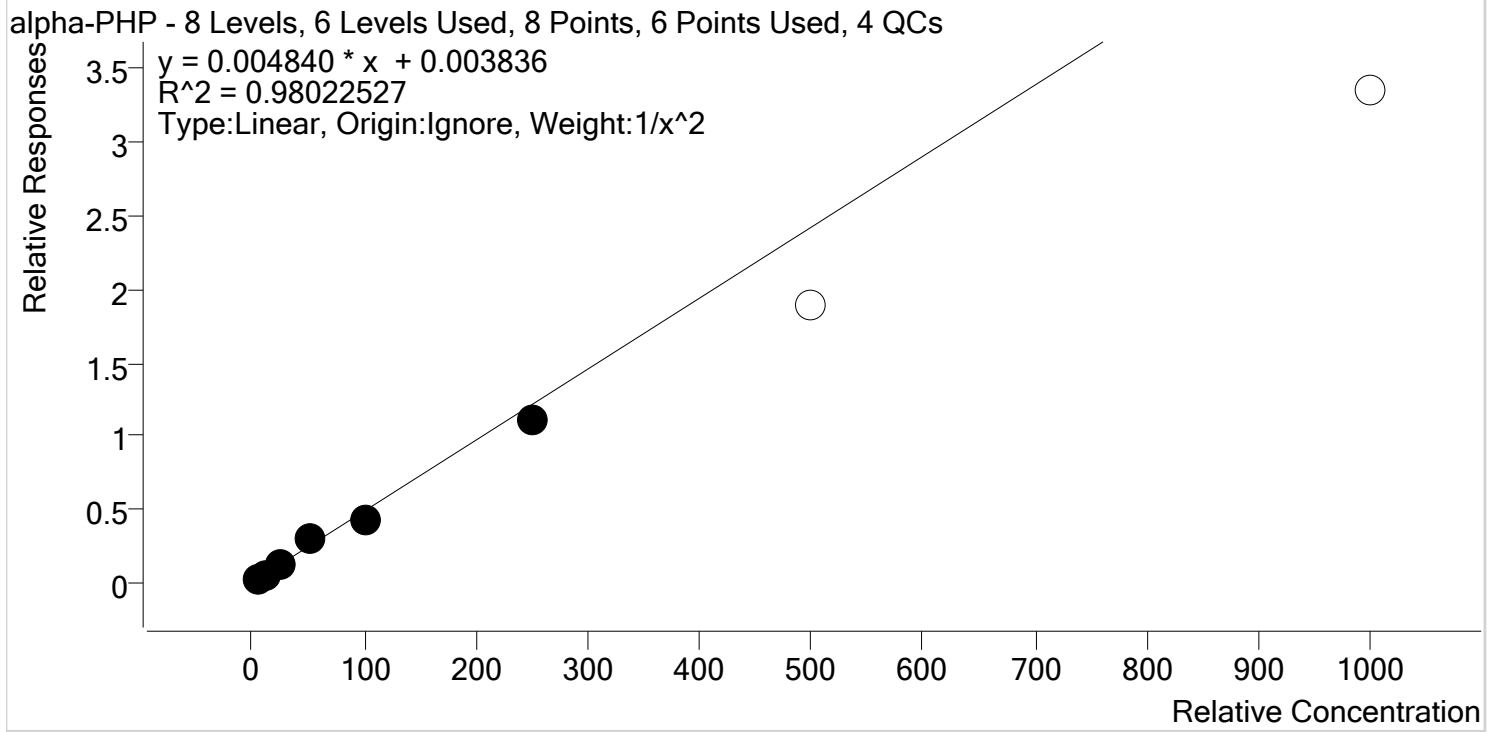
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	493.8	98.8
p1 Cal 8-1000ng	8	✓	1000.0	943.1	94.3

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8



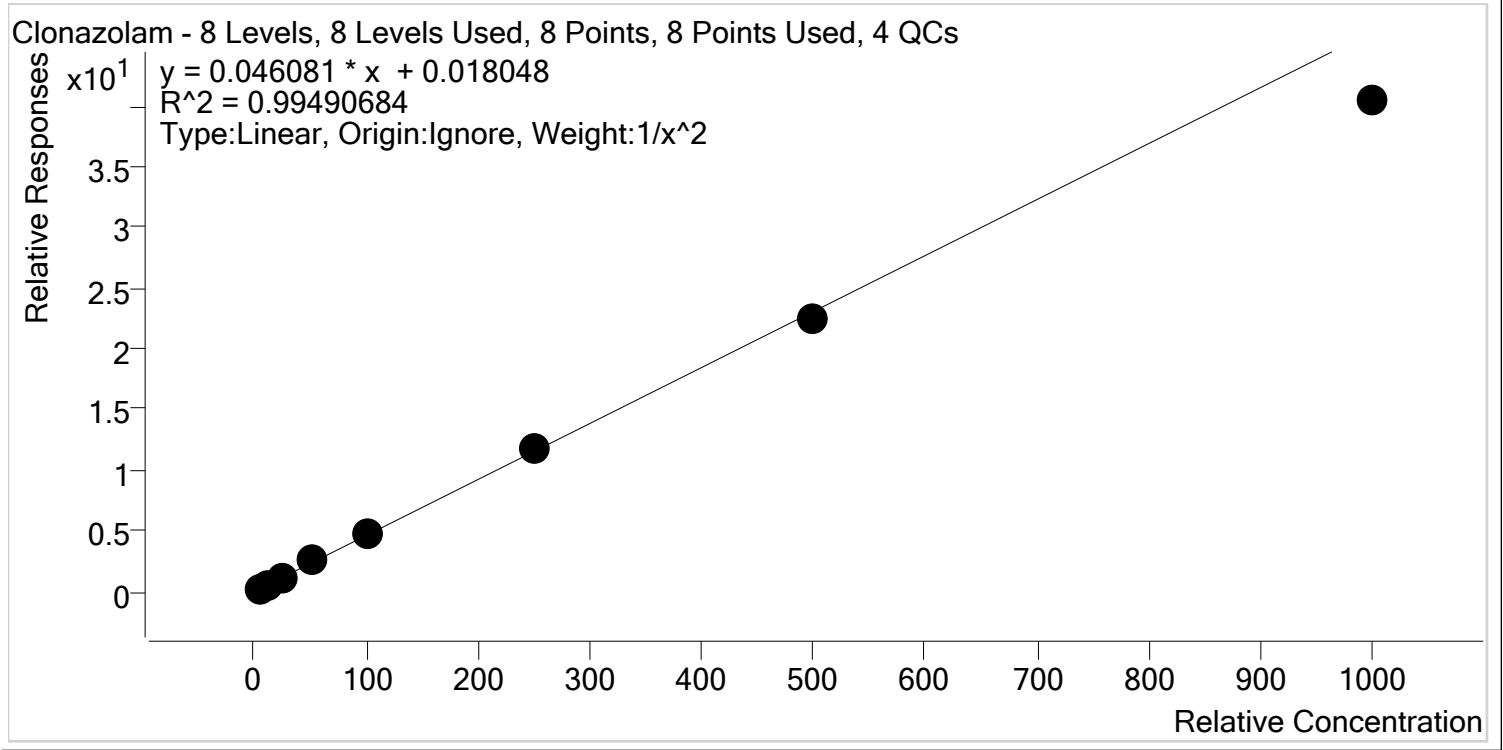
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	59.5	118.9
p1 Cal 5-100ng	5	✓	100.0	86.6	86.6
p1 Cal 6-250ng	6	✓	250.0	226.3	90.5
p1 Cal 7-500ng	7	x	500.0	390.6	78.1
p1 Cal 8-1000ng	8	x	1000.0	692.3	69.2

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	255.4	102.1
p1 Cal 7-500ng	7	✓	500.0	488.5	97.7
p1 Cal 8-1000ng	8	✓	1000.0	876.9	87.7

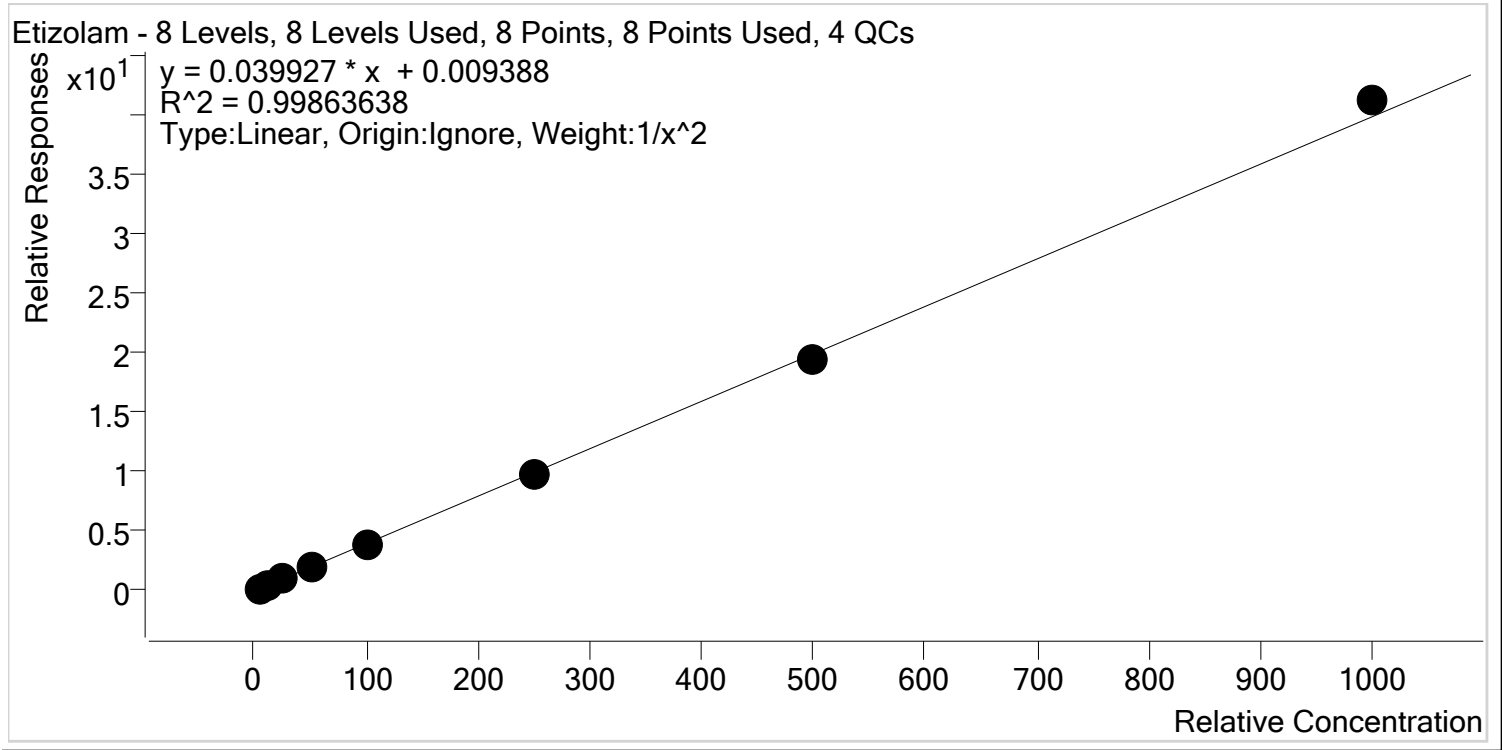


TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4



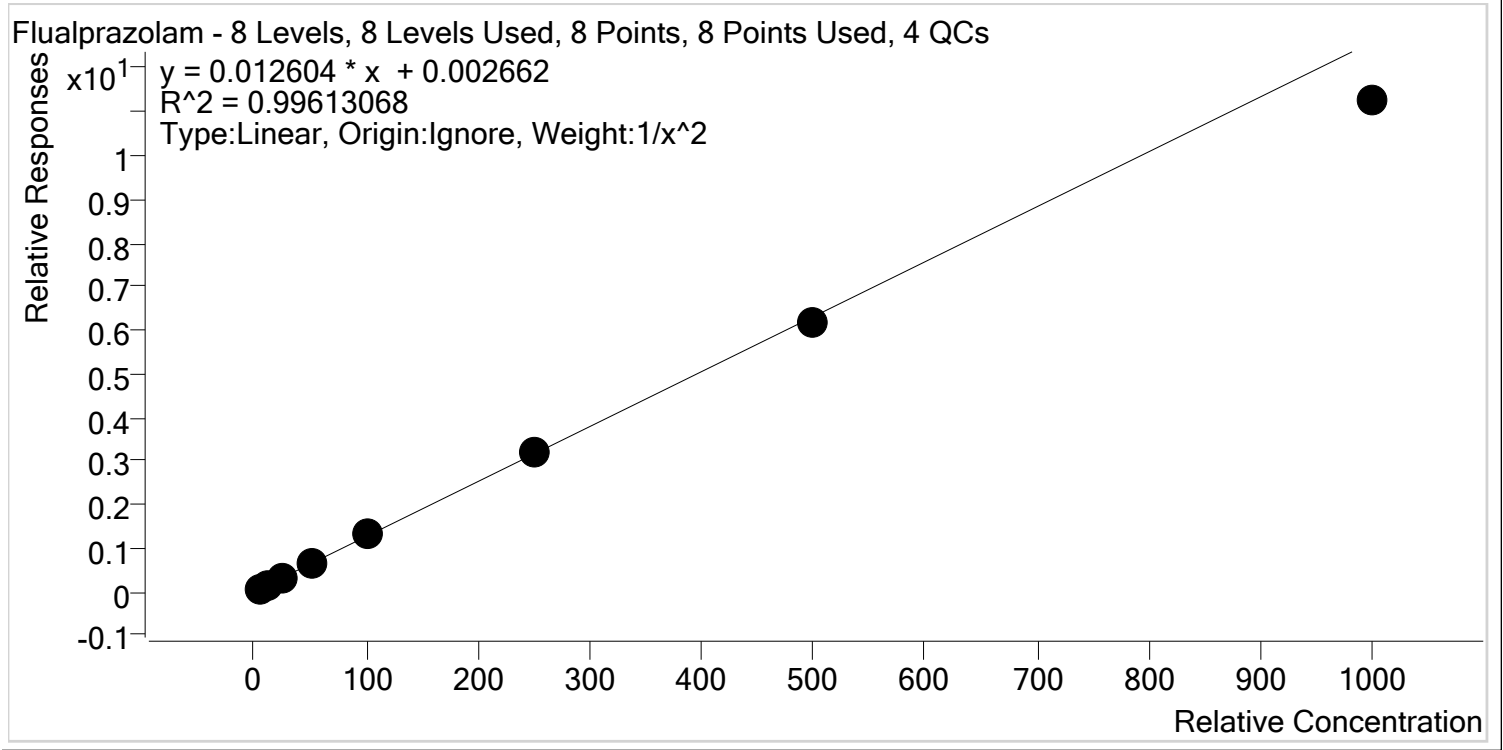
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.0
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	245.0	98.0
p1 Cal 7-500ng	7	✓	500.0	488.4	97.7
p1 Cal 8-1000ng	8	✓	1000.0	1034.1	103.4

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	487.7	97.5
p1 Cal 8-1000ng	8	✓	1000.0	893.3	89.3

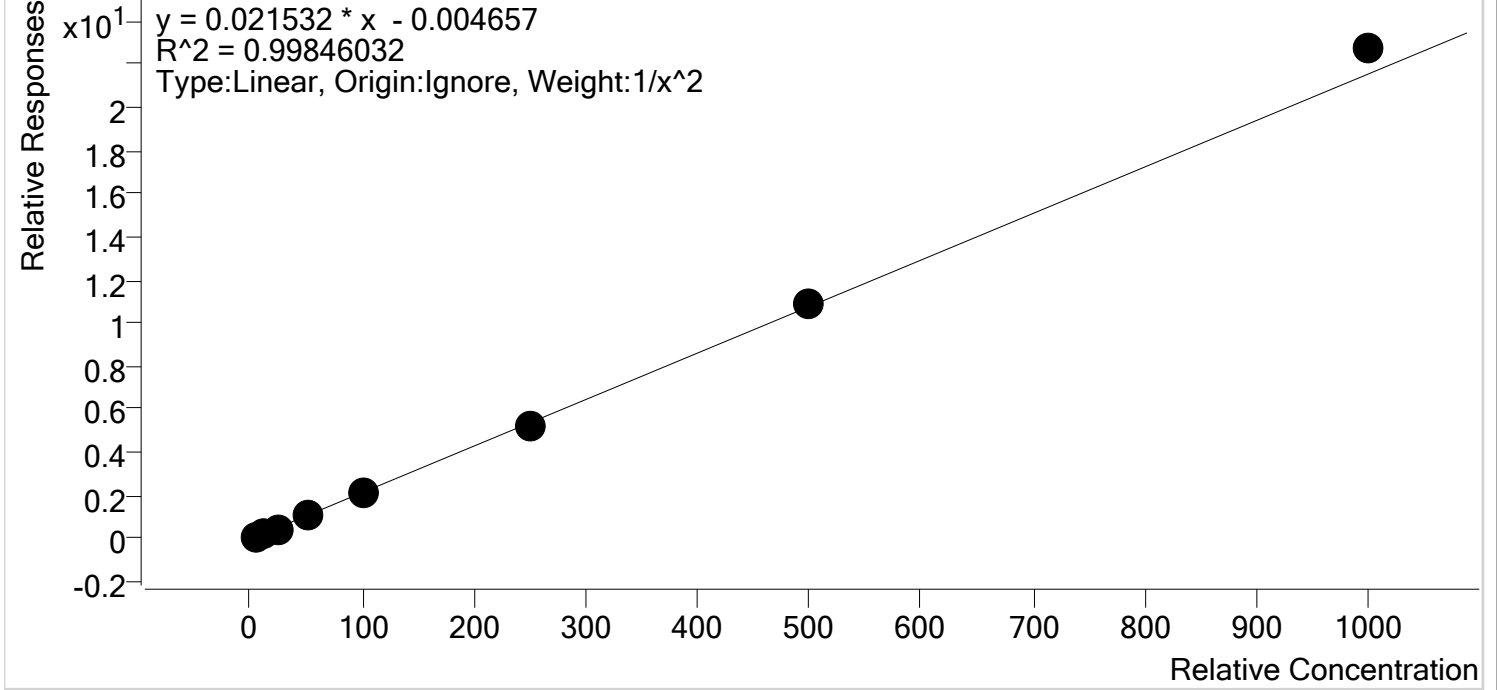


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1054.7	105.5

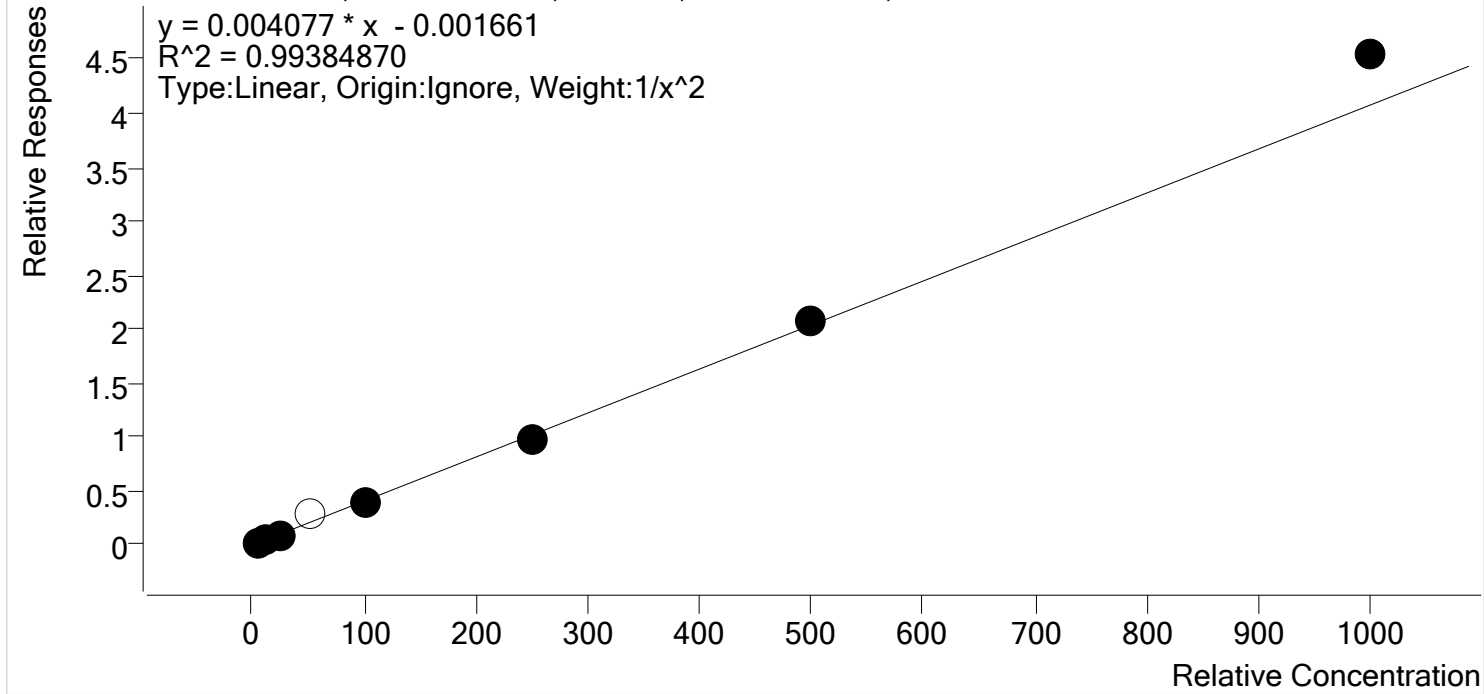
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2- 10ng	2	✓	10.0	9.5	94.5
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.3
p1 Cal 4-50ng	4	x	50.0	67.3	134.6
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	240.1	96.0
p1 Cal 7-500ng	7	✓	500.0	513.4	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1114.7	111.5

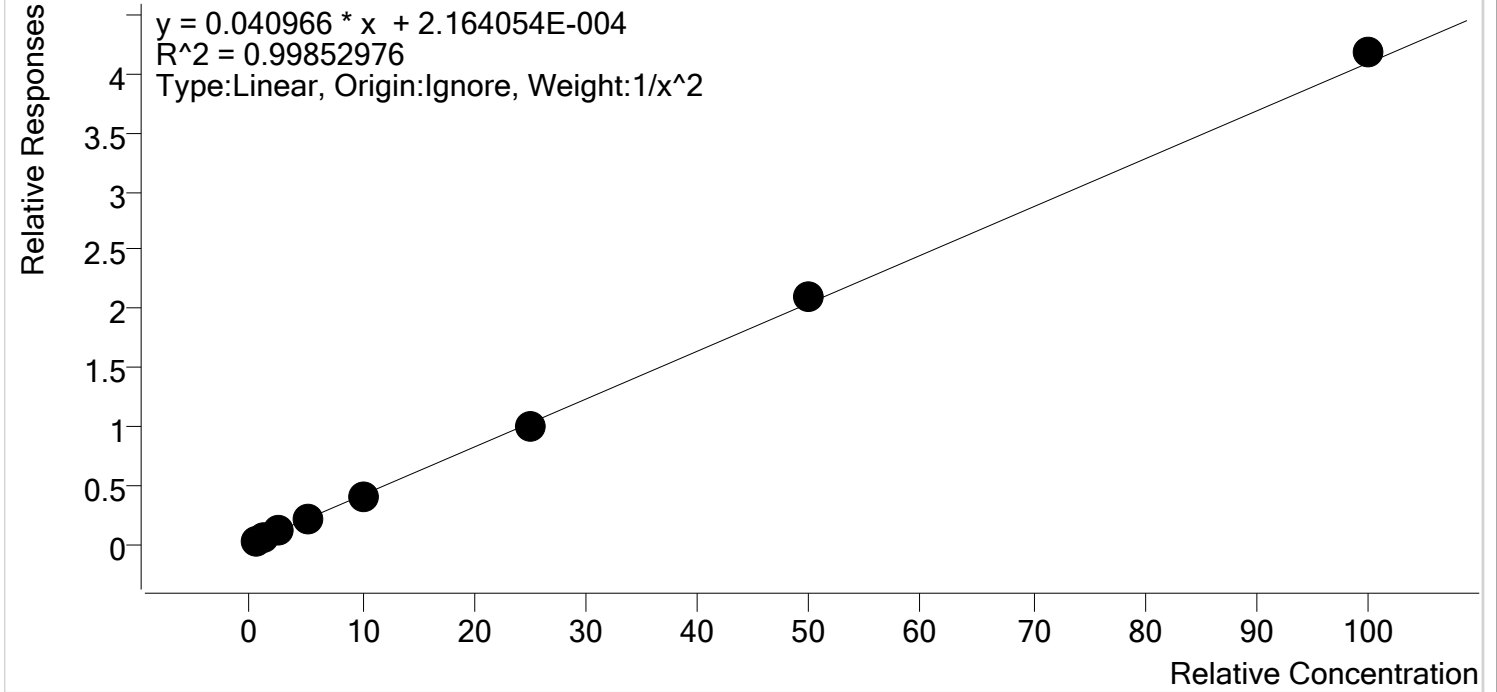


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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



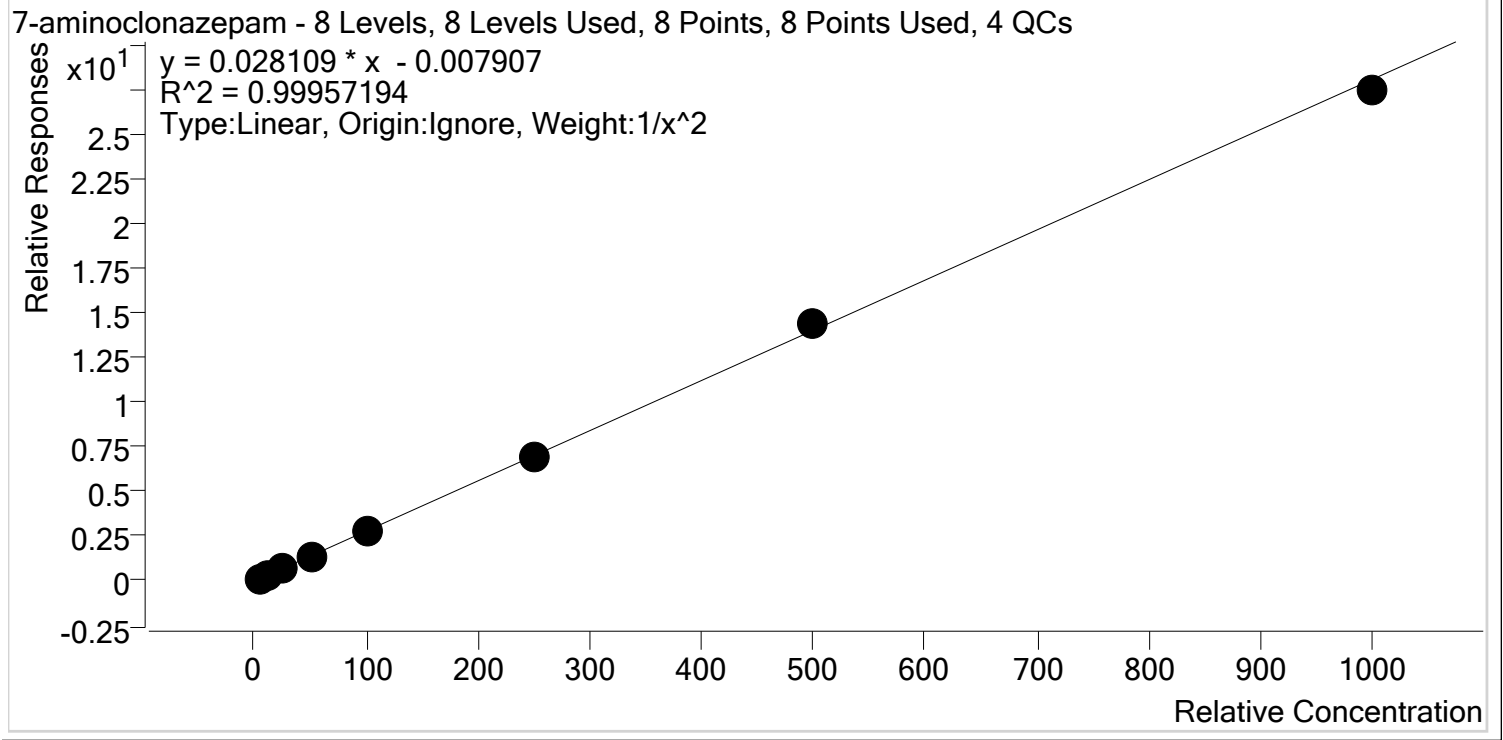
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.3
p1 Cal 2- 10ng	2	✓	1.0	0.9	93.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.9
p1 Cal 4-50ng	4	✓	5.0	5.1	102.4
p1 Cal 5-100ng	5	✓	10.0	10.0	100.2
p1 Cal 6-250ng	6	✓	25.0	24.4	97.4
p1 Cal 7-500ng	7	✓	50.0	51.4	102.8
p1 Cal 8-1000ng	8	✓	100.0	102.2	102.2

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



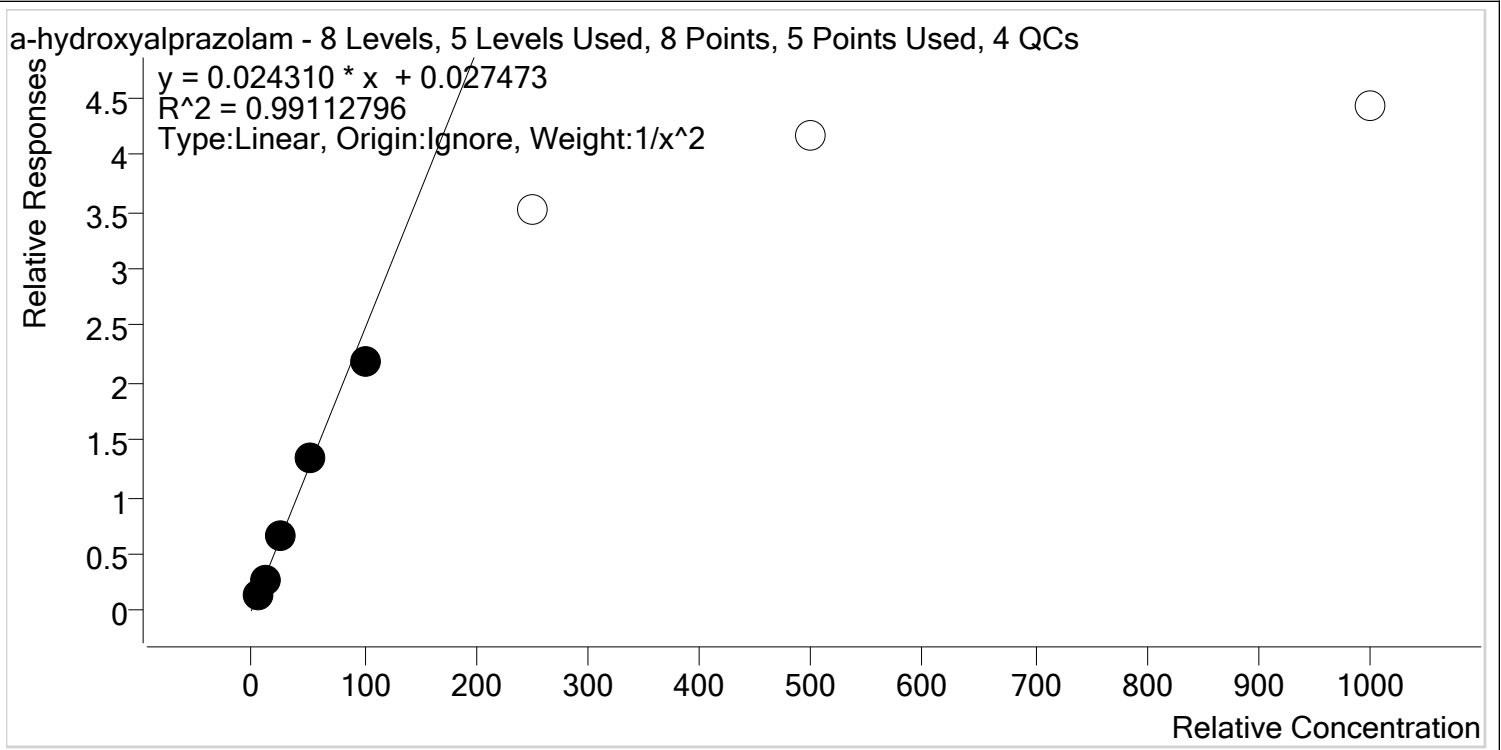
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	514.4	102.9
p1 Cal 8-1000ng	8	✓	1000.0	977.8	97.8



TS

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

Batch results D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 1/26/2021 1:03 PM  
 Analyst Name ISP\Datastor  
 Analyte a-hydroxyalprazolam Internal Standard a-hydroxyalprazolam-D5



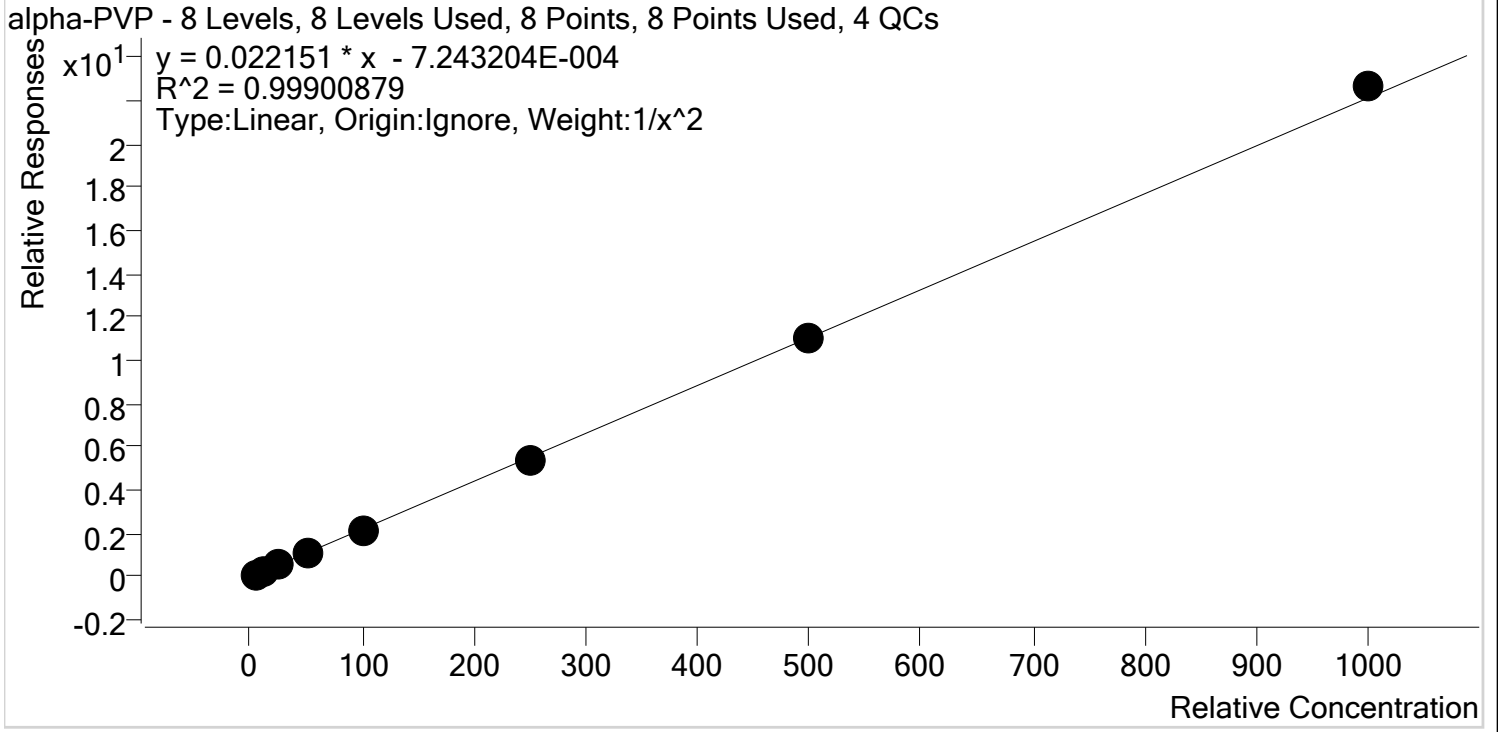
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	88.5	88.5
p1 Cal 6-250ng	6	x	250.0	143.4	57.4
p1 Cal 7-500ng	7	x	500.0	170.6	34.1
p1 Cal 8-1000ng	8	x	1000.0	180.7	18.1



TS

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

Batch results D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 1/26/2021 1:03 PM  
 Analyst Name ISP\Datastor  
 Analyte alpha-PVP Internal Standard alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	52.4	104.7
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1023.7	102.4

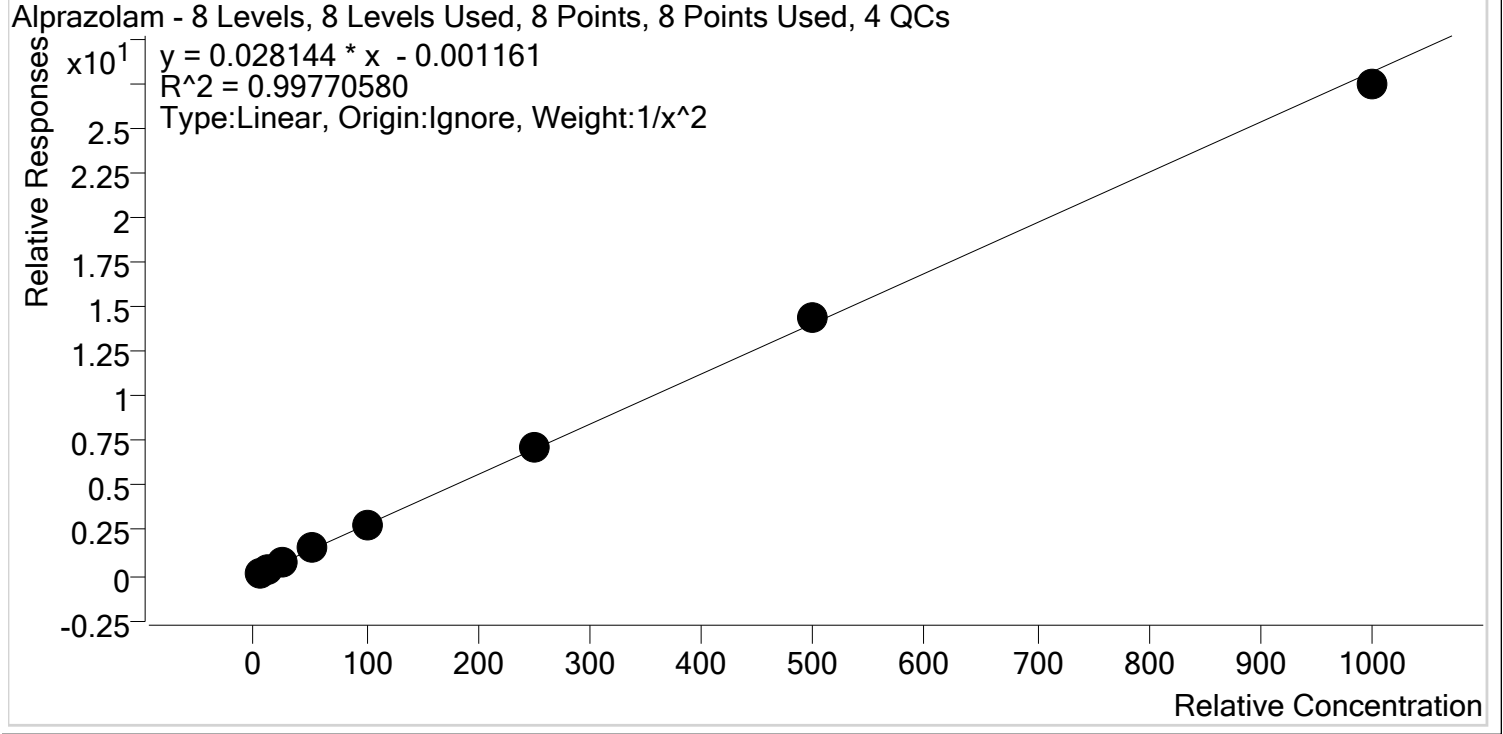




TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.4
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	509.1	101.8
p1 Cal 8-1000ng	8	✓	1000.0	974.6	97.5

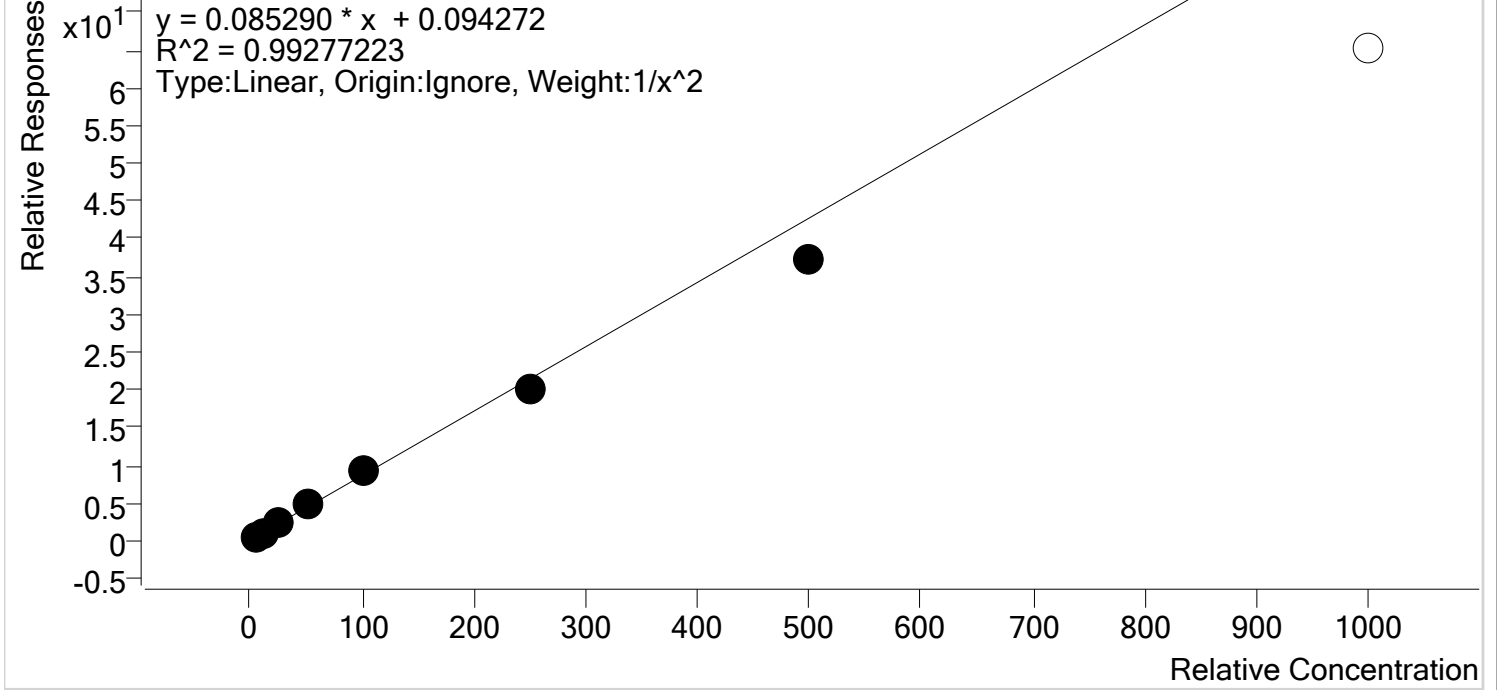


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 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	4.8	97.0
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	237.0	94.8
p1 Cal 7-500ng	7	✓	500.0	438.6	87.7
p1 Cal 8-1000ng	8	✗	1000.0	763.1	76.3

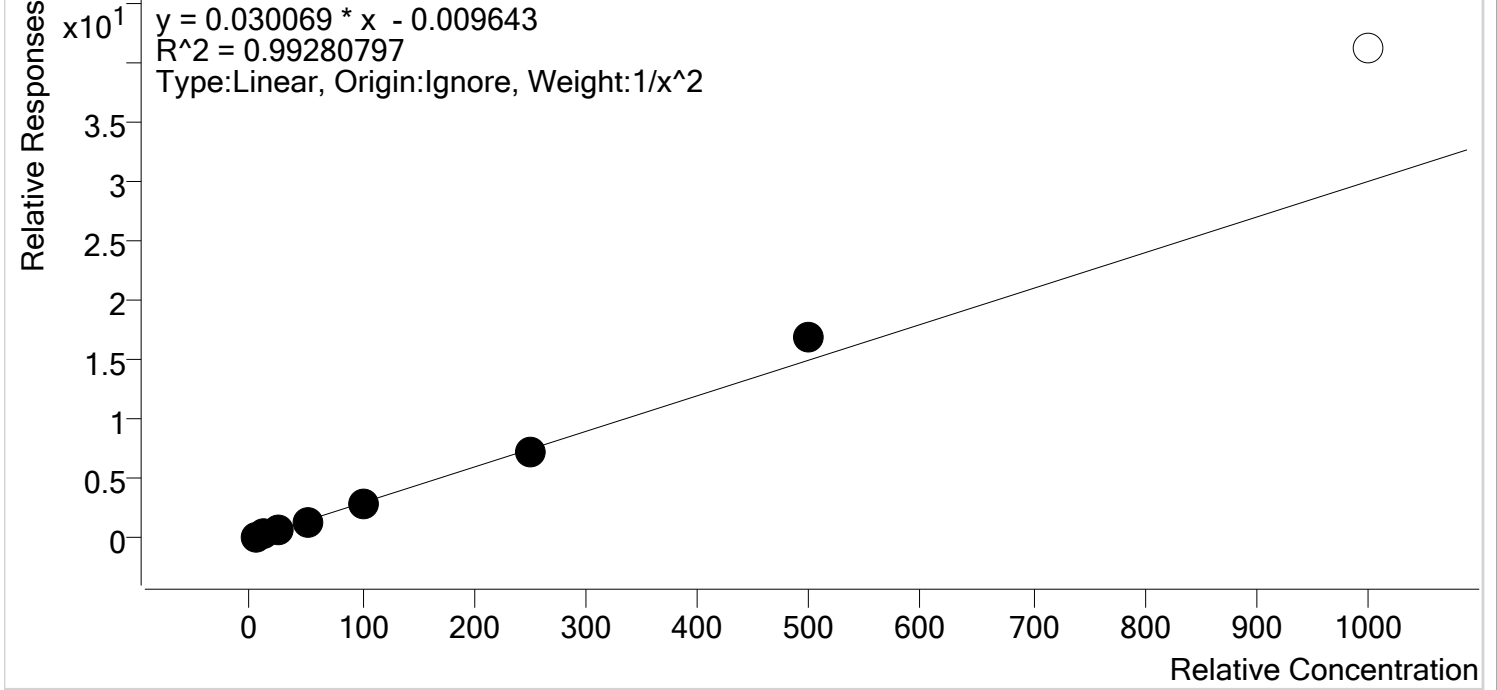


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.0
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	22.4	89.5
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	564.1	112.8
p1 Cal 8-1000ng	8	✗	1000.0	1371.9	137.2

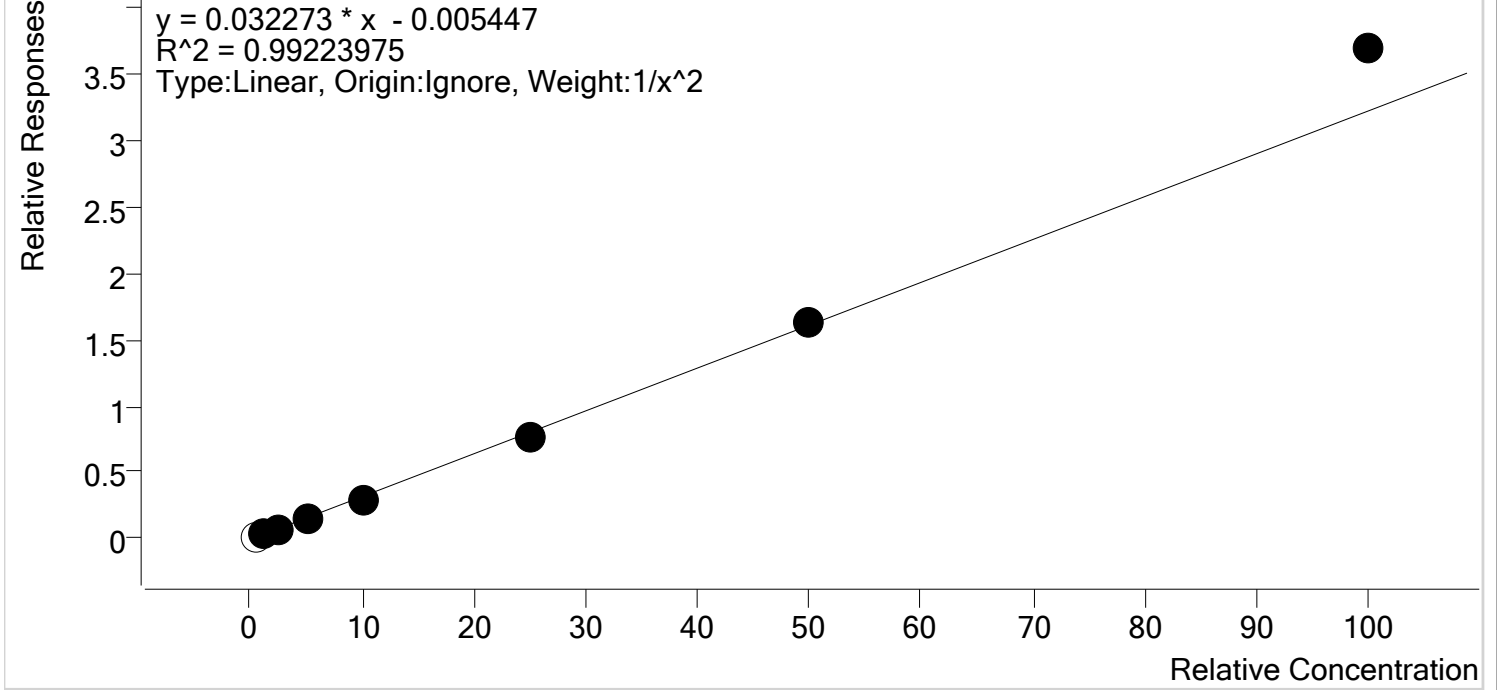


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

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



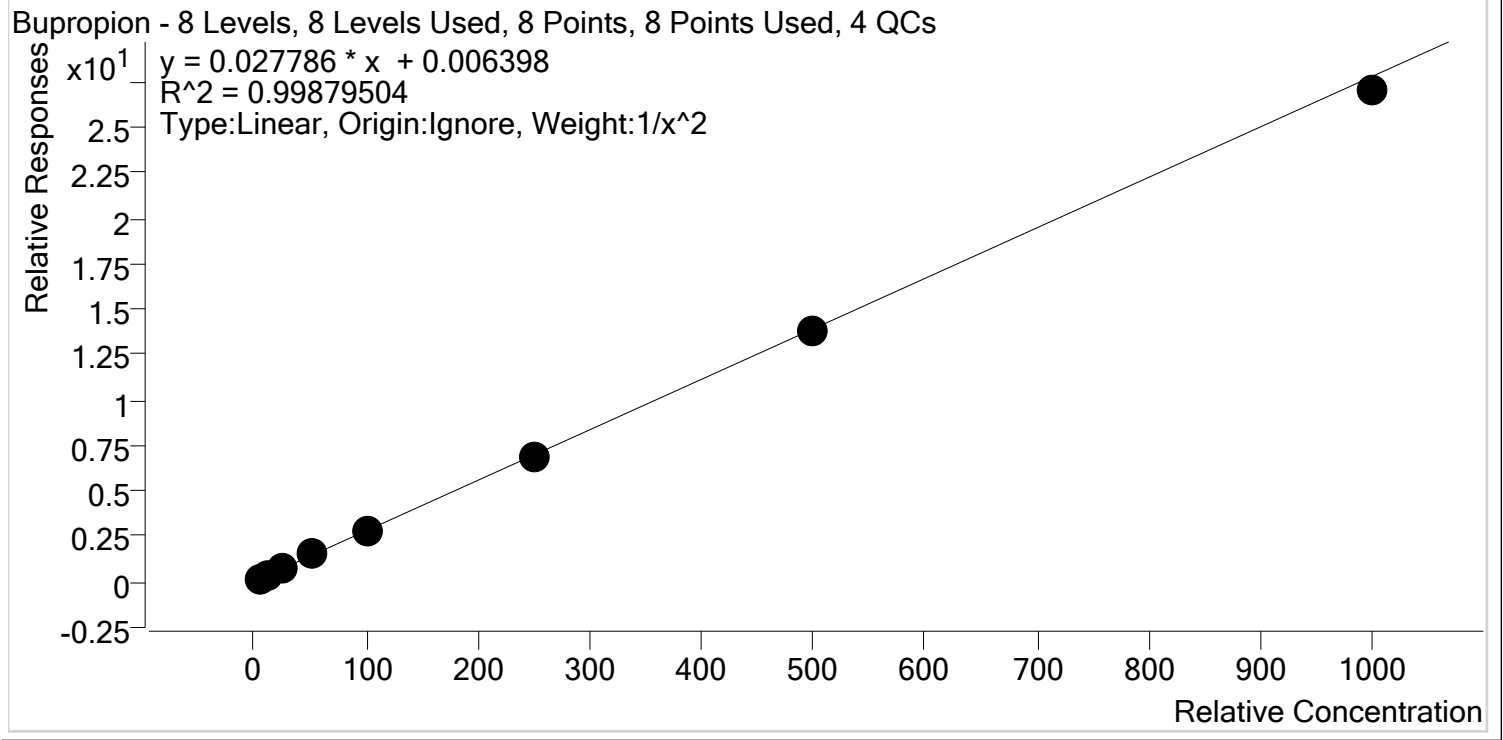
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.6	125.9
p1 Cal 2- 10ng	2	✓	1.0	1.0	103.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.8
p1 Cal 4-50ng	4	✓	5.0	4.9	98.9
p1 Cal 5-100ng	5	✓	10.0	9.1	90.9
p1 Cal 6-250ng	6	✓	25.0	24.1	96.6
p1 Cal 7-500ng	7	✓	50.0	50.5	101.0
p1 Cal 8-1000ng	8	✓	100.0	114.6	114.6

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	493.6	98.7
p1 Cal 8-1000ng	8	✓	1000.0	971.9	97.2

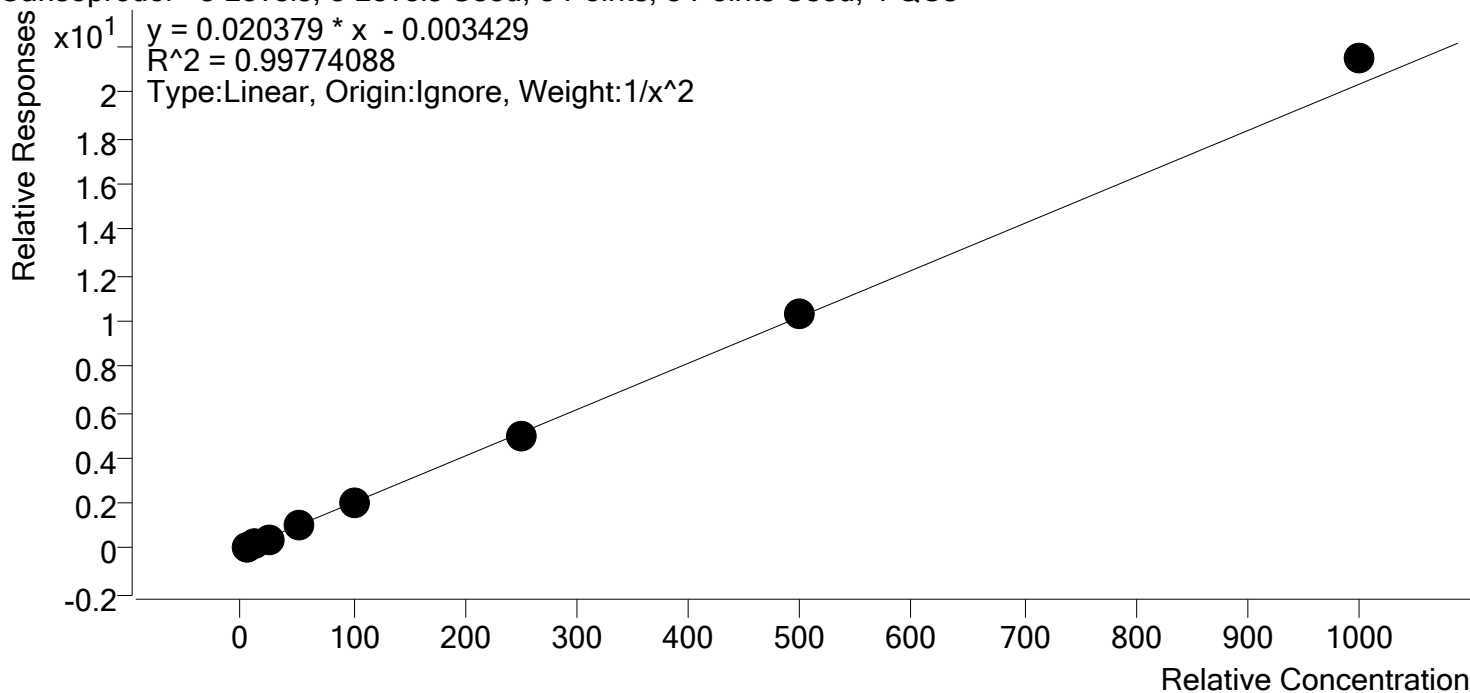
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.2
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	243.5	97.4
p1 Cal 7-500ng	7	✓	500.0	507.6	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1055.2	105.5

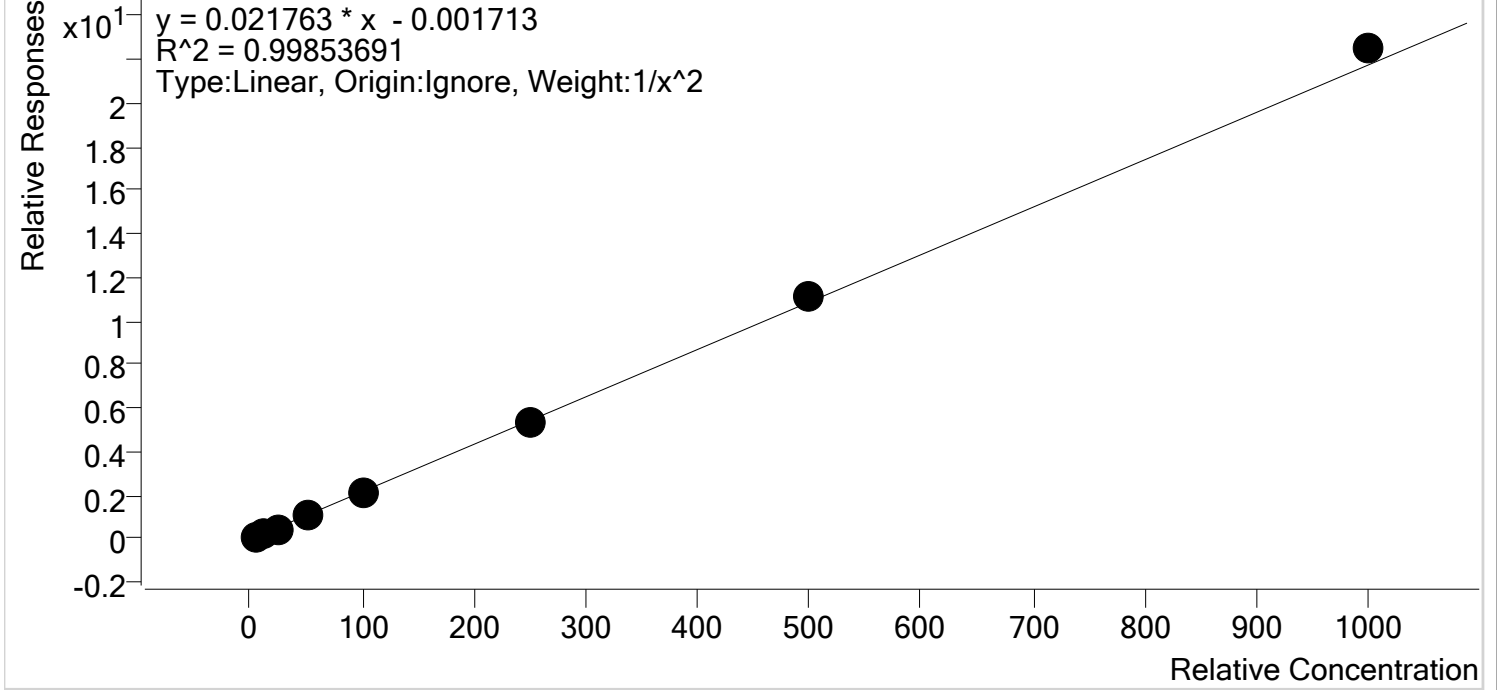


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



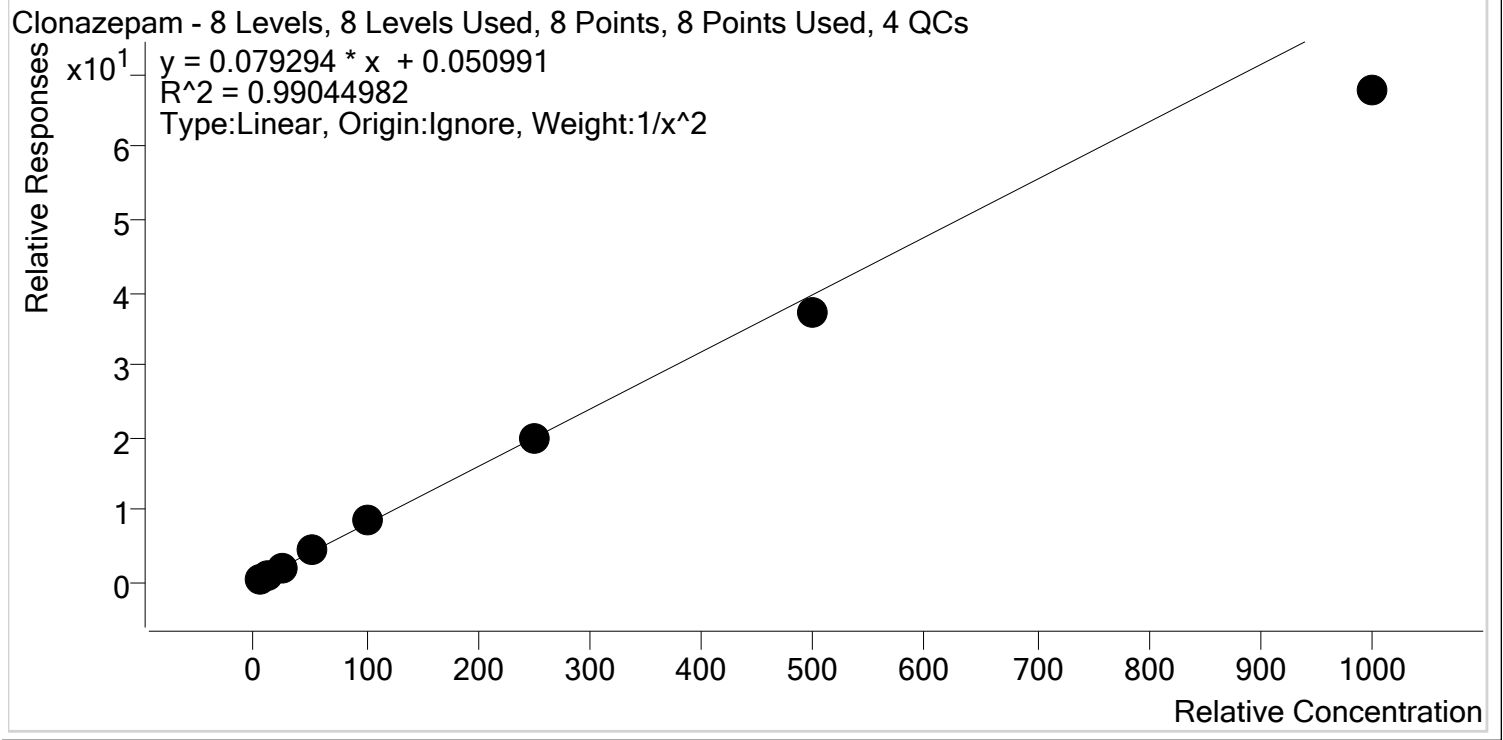
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.3
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	512.1	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1034.7	103.5

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	56.6	113.2
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	469.6	93.9
p1 Cal 8-1000ng	8	✓	1000.0	854.9	85.5

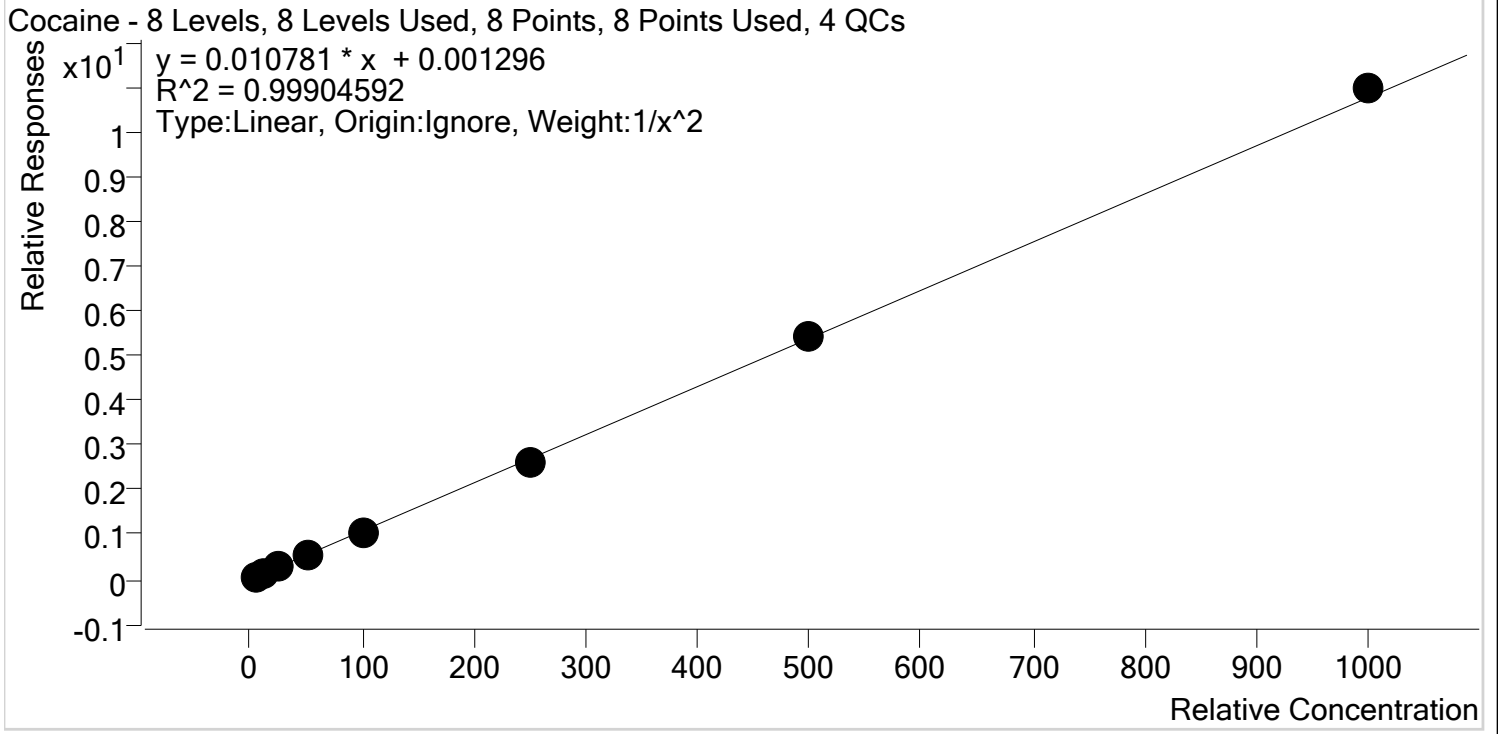




TS

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

Batch results D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 1/26/2021 1:03 PM  
 Analyst Name ISP\Datastor  
 Analyte Cocaine Internal Standard Cocaine-d3



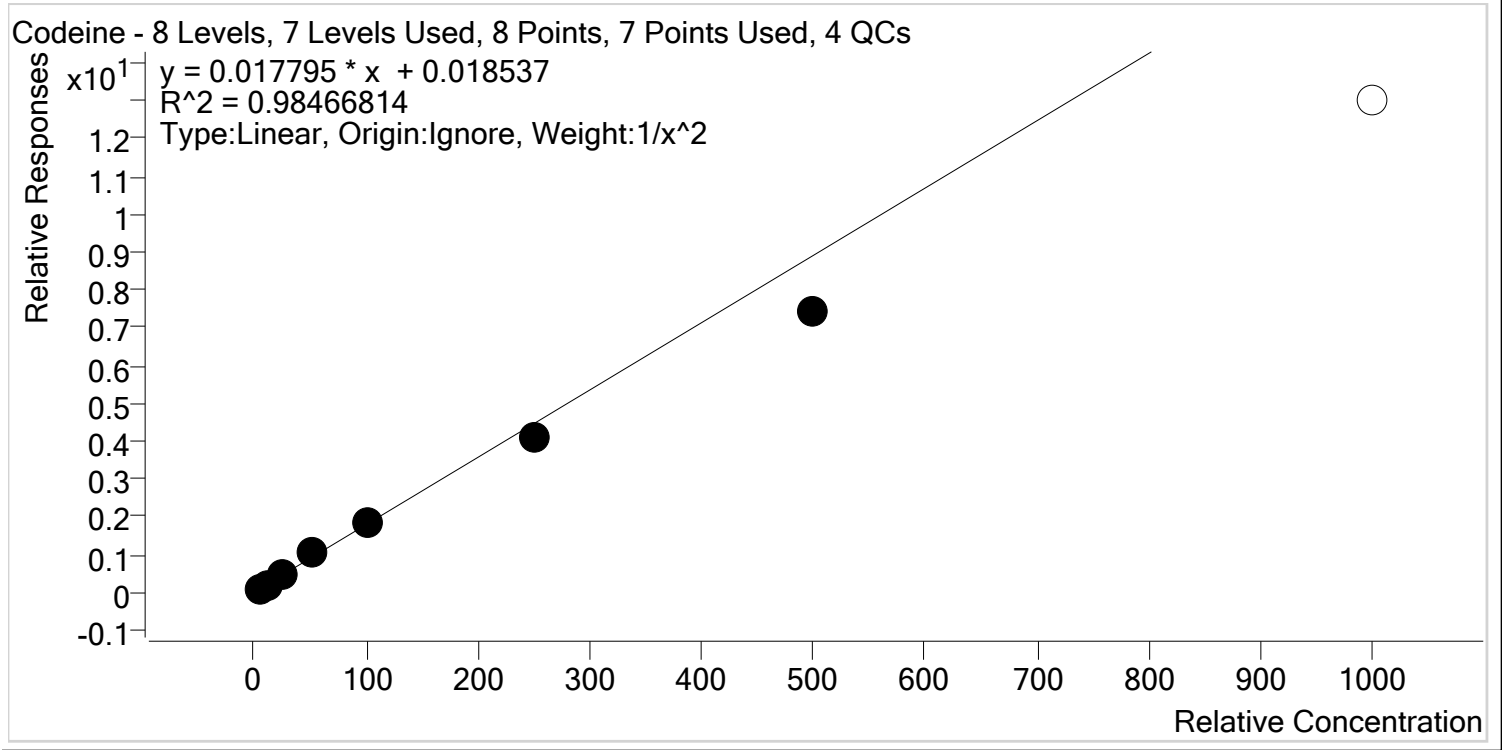
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	244.4	97.8
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1018.9	101.9

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.4
p1 Cal 2- 10ng	2	✓	10.0	10.7	106.9
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	57.1	114.2
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	230.1	92.0
p1 Cal 7-500ng	7	✓	500.0	416.2	83.2
p1 Cal 8-1000ng	8	✗	1000.0	730.0	73.0

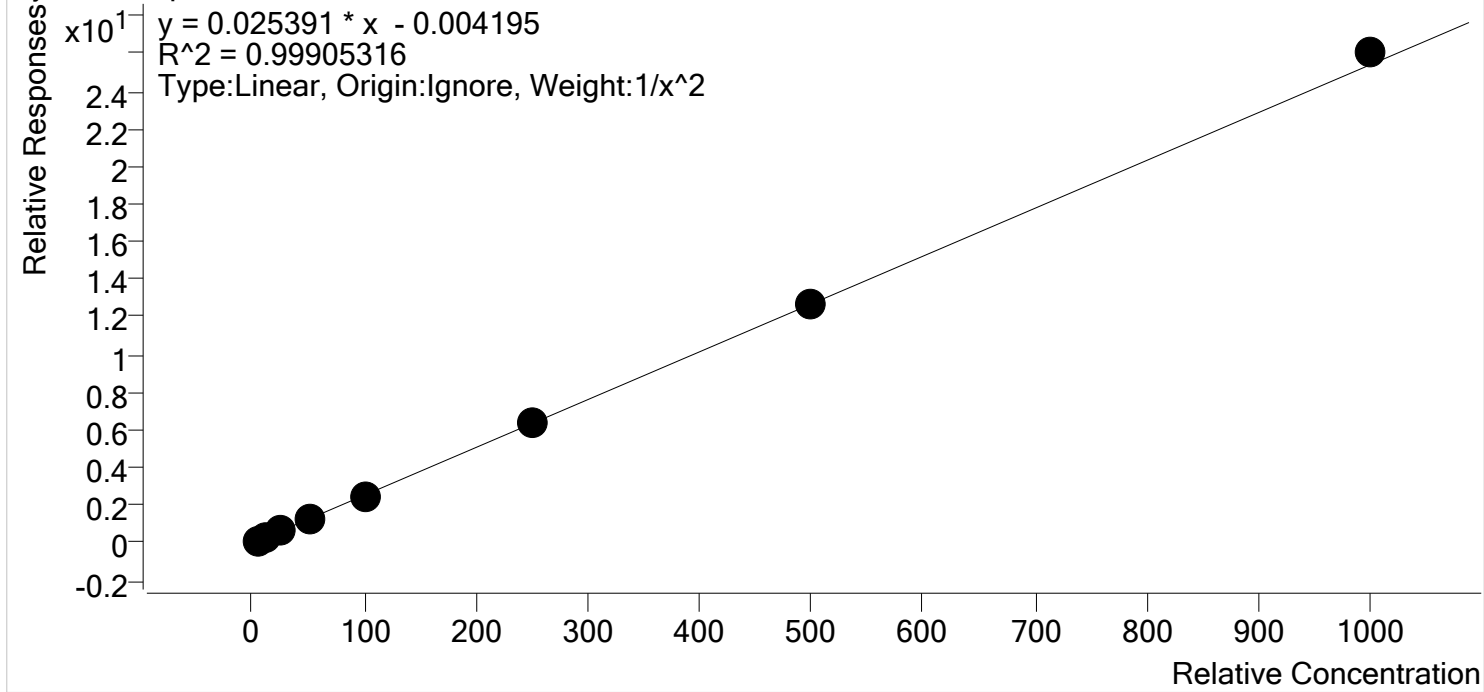
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



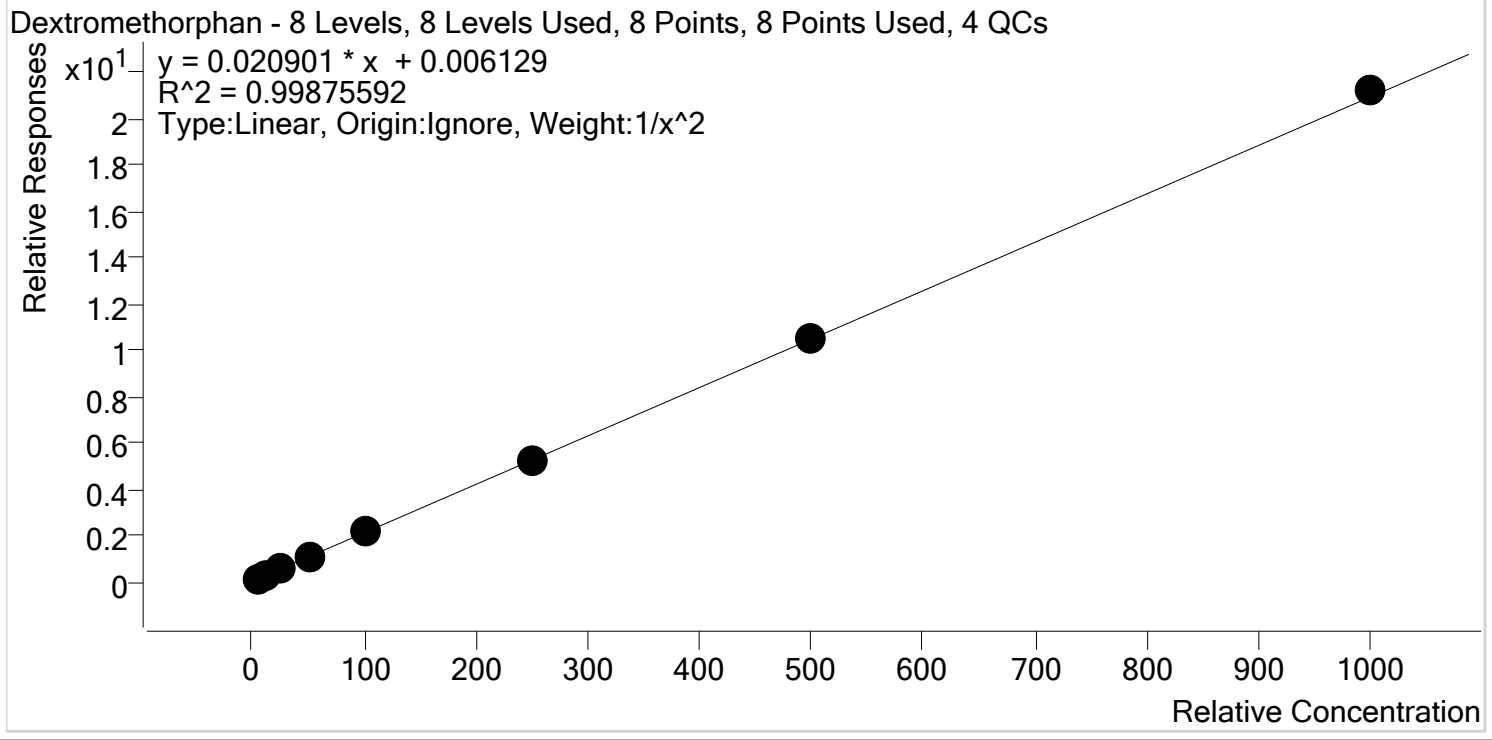
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	250.9	100.3
p1 Cal 7-500ng	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1025.5	102.6

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	102.4
p1 Cal 2- 10ng	2	✓	10.0	9.6	95.7
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	52.4	104.7
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	505.2	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1013.4	101.3

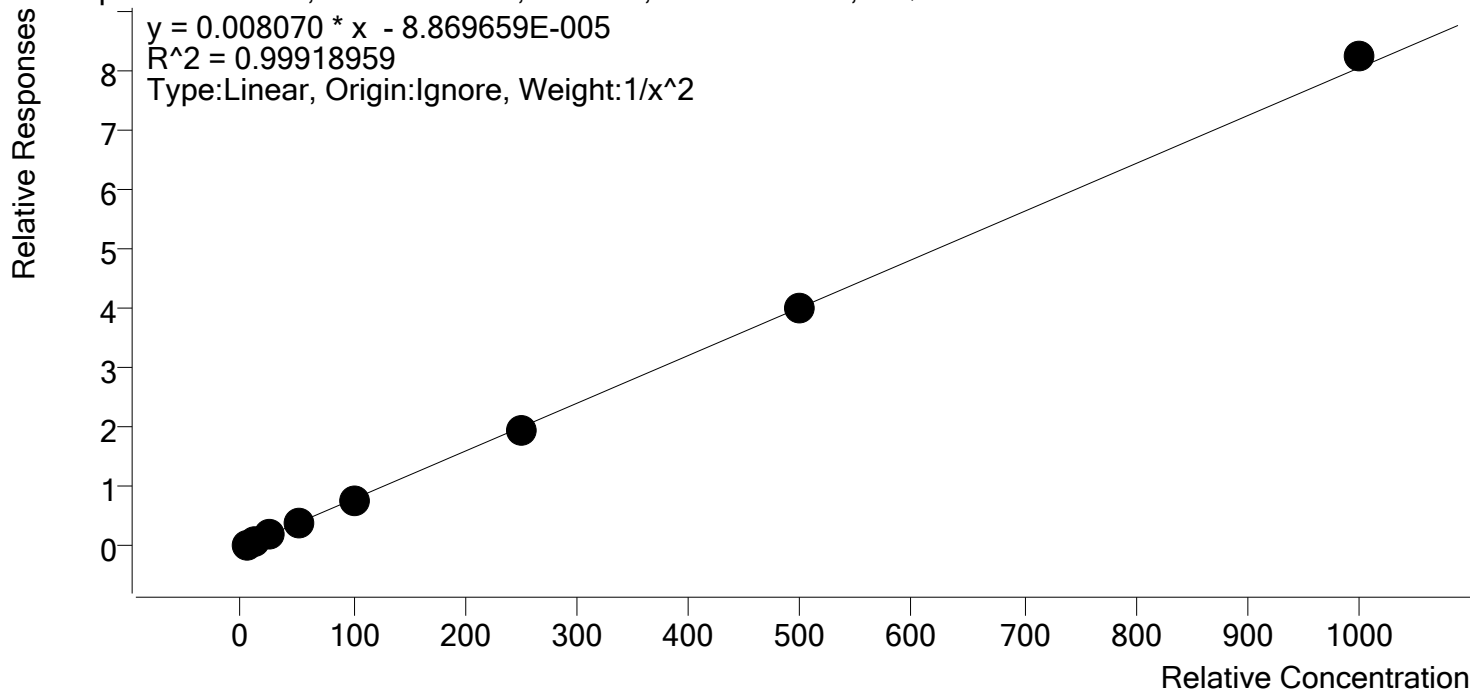
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrophan Internal Standard Dextrophan-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	241.5	96.6
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1023.4	102.3

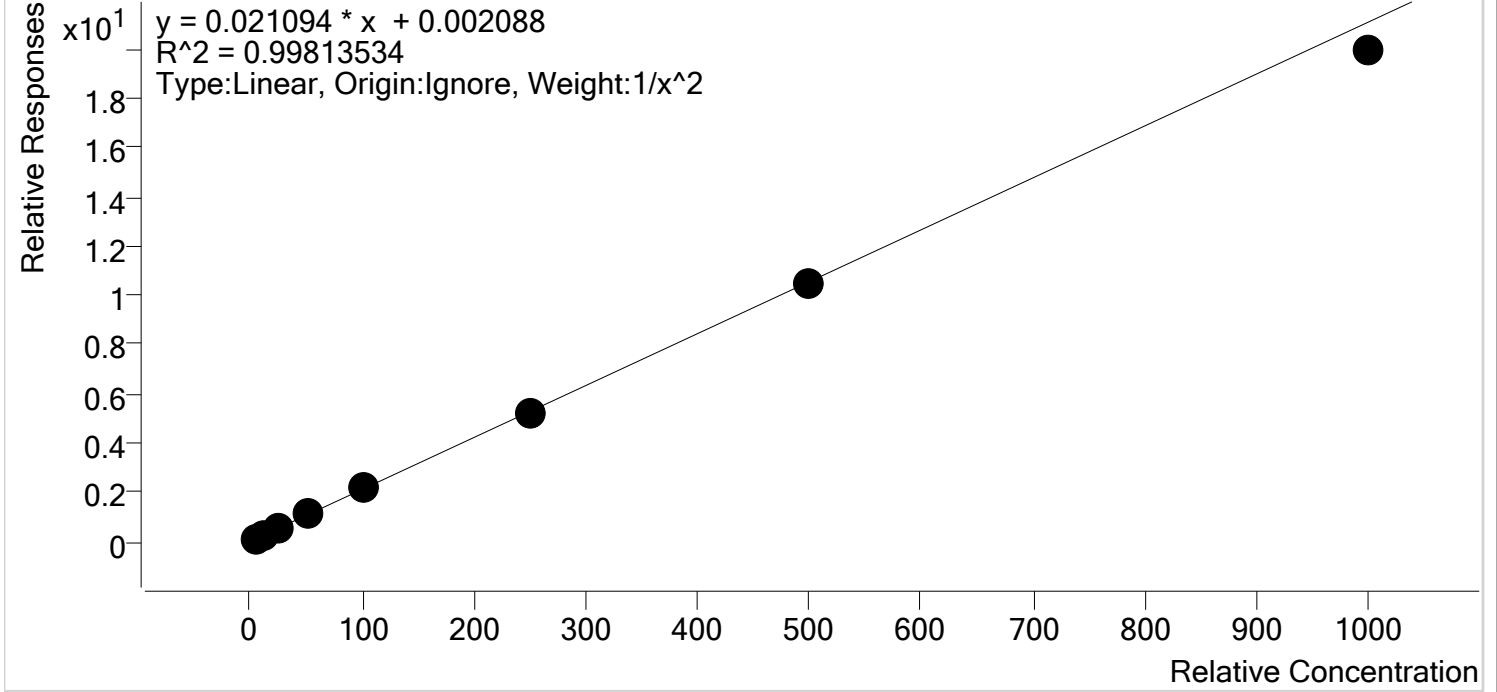


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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



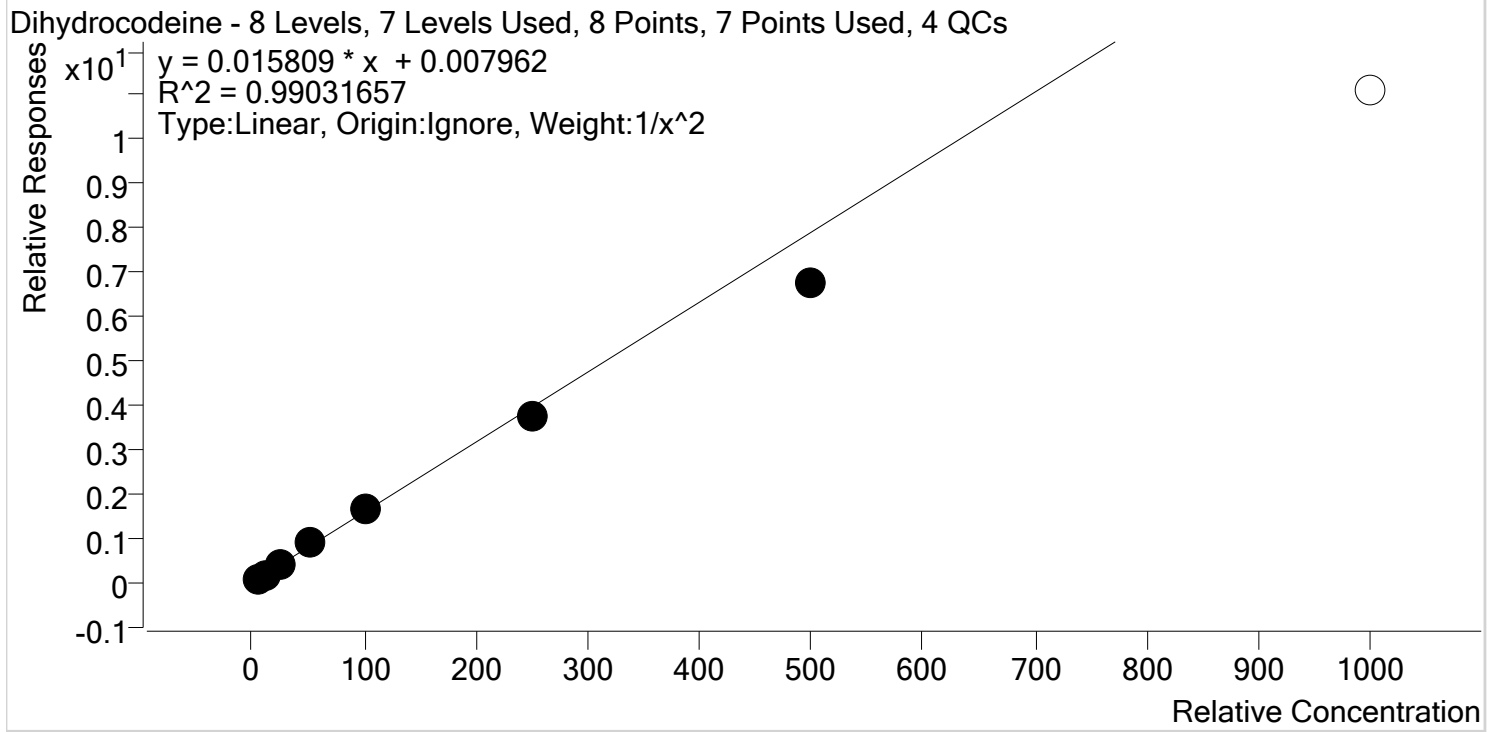
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	497.4	99.5
p1 Cal 8-1000ng	8	✓	1000.0	945.2	94.5

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



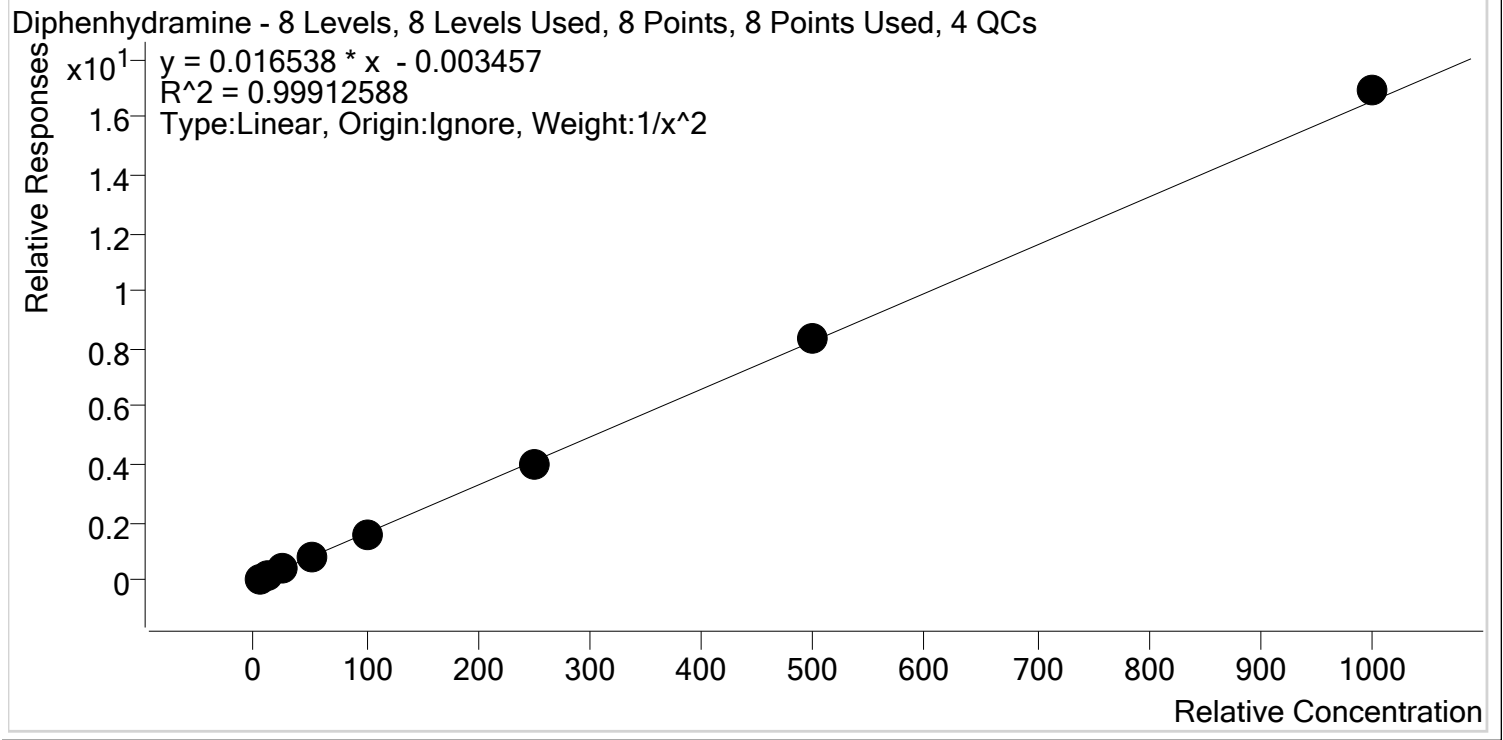
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	55.4	110.9
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	237.1	94.8
p1 Cal 7-500ng	7	✓	500.0	428.0	85.6
p1 Cal 8-1000ng	8	✗	1000.0	702.2	70.2

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.2
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	241.0	96.4
p1 Cal 7-500ng	7	✓	500.0	505.2	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1022.1	102.2

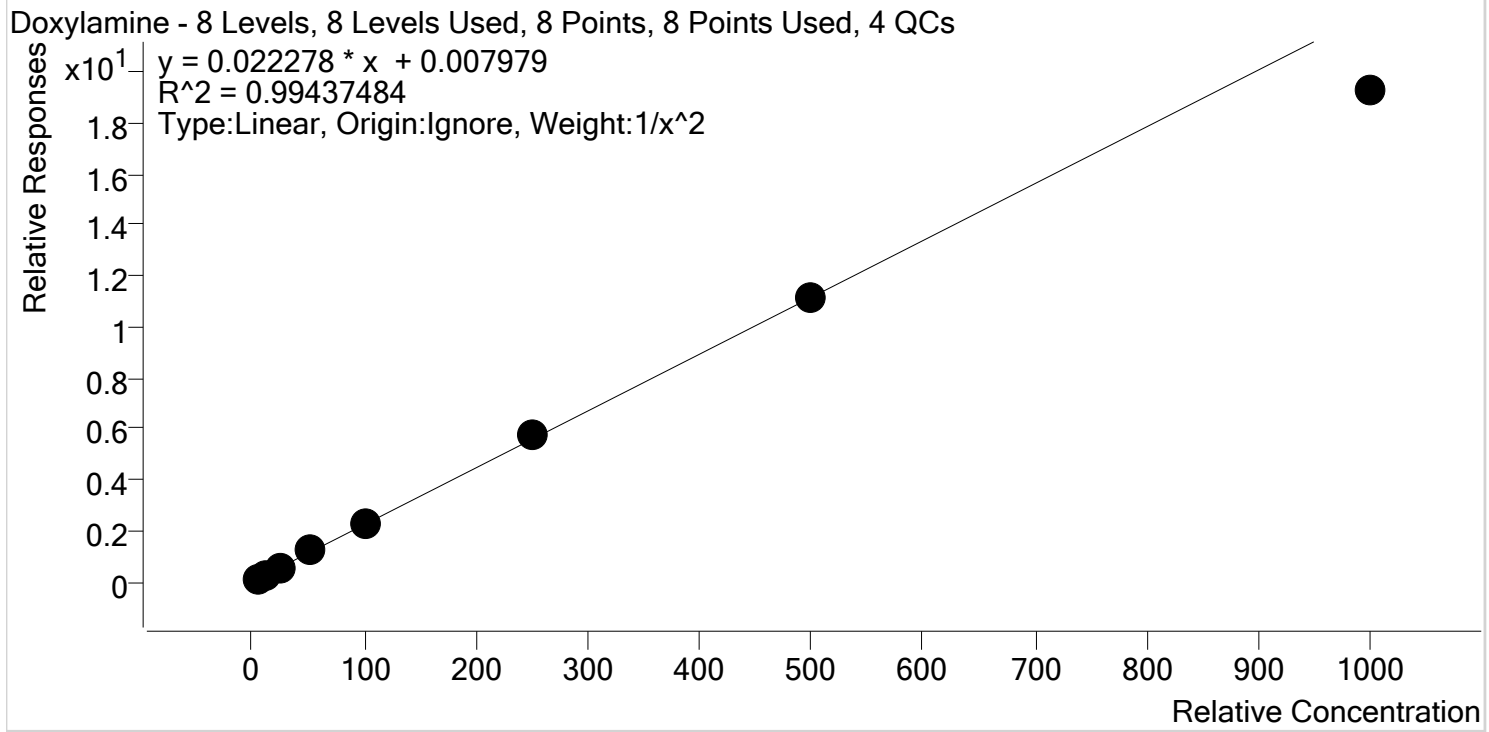


TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	54.8	109.5
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	257.7	103.1
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	863.8	86.4

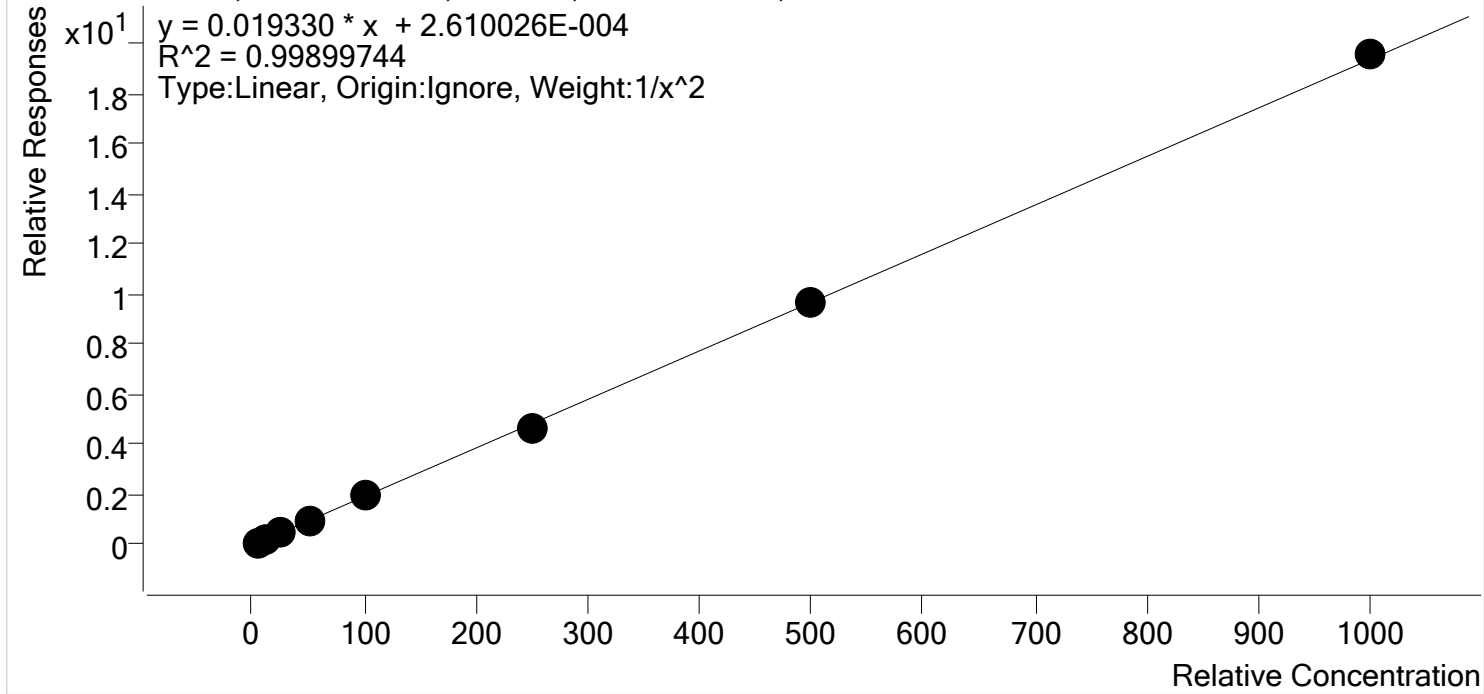
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



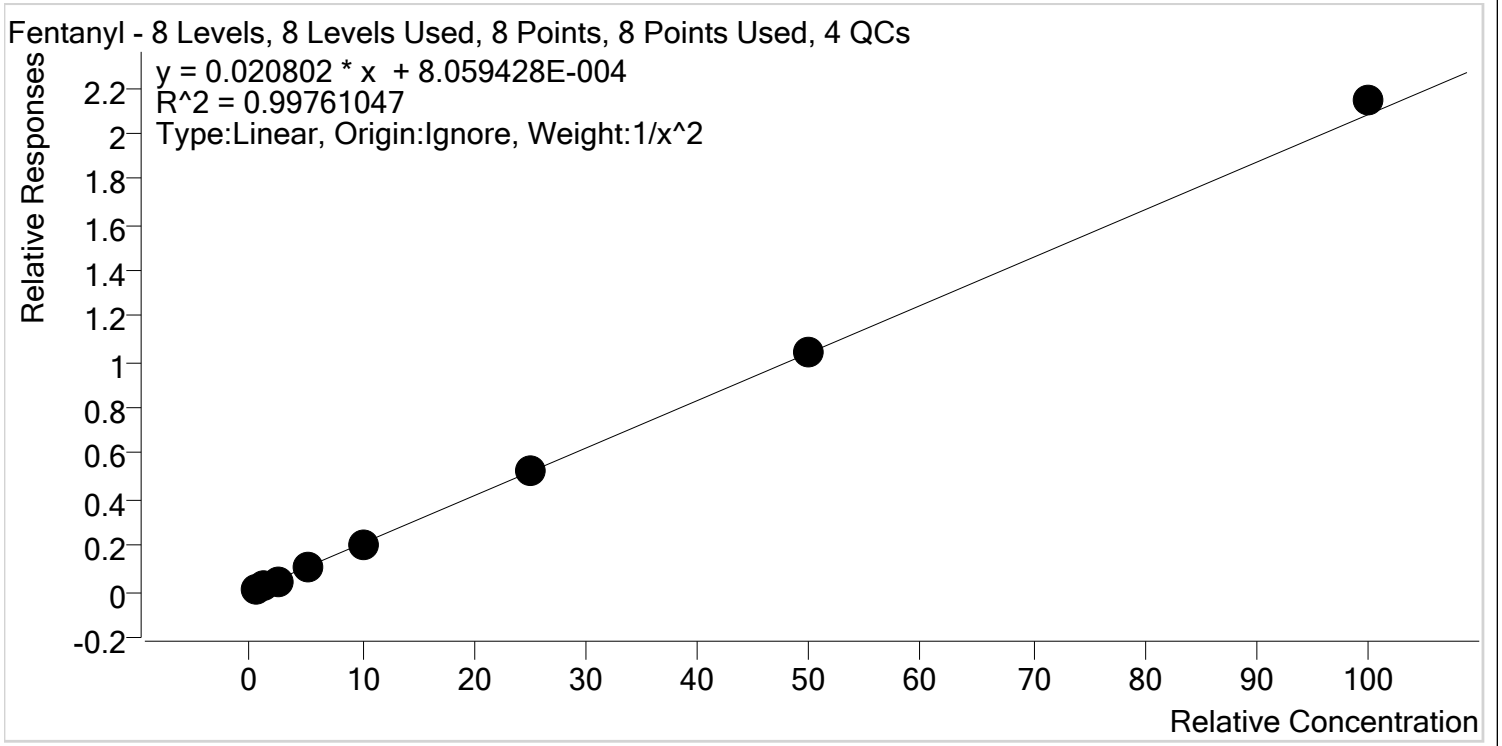
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	240.9	96.4
p1 Cal 7-500ng	7	✓	500.0	500.1	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1010.1	101.0



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	98.7
p1 Cal 2- 10ng	2	✓	1.0	1.1	106.0
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.1
p1 Cal 4-50ng	4	✓	5.0	5.0	100.1
p1 Cal 5-100ng	5	✓	10.0	10.0	100.4
p1 Cal 6-250ng	6	✓	25.0	25.1	100.5
p1 Cal 7-500ng	7	✓	50.0	50.1	100.2
p1 Cal 8-1000ng	8	✓	100.0	102.9	102.9

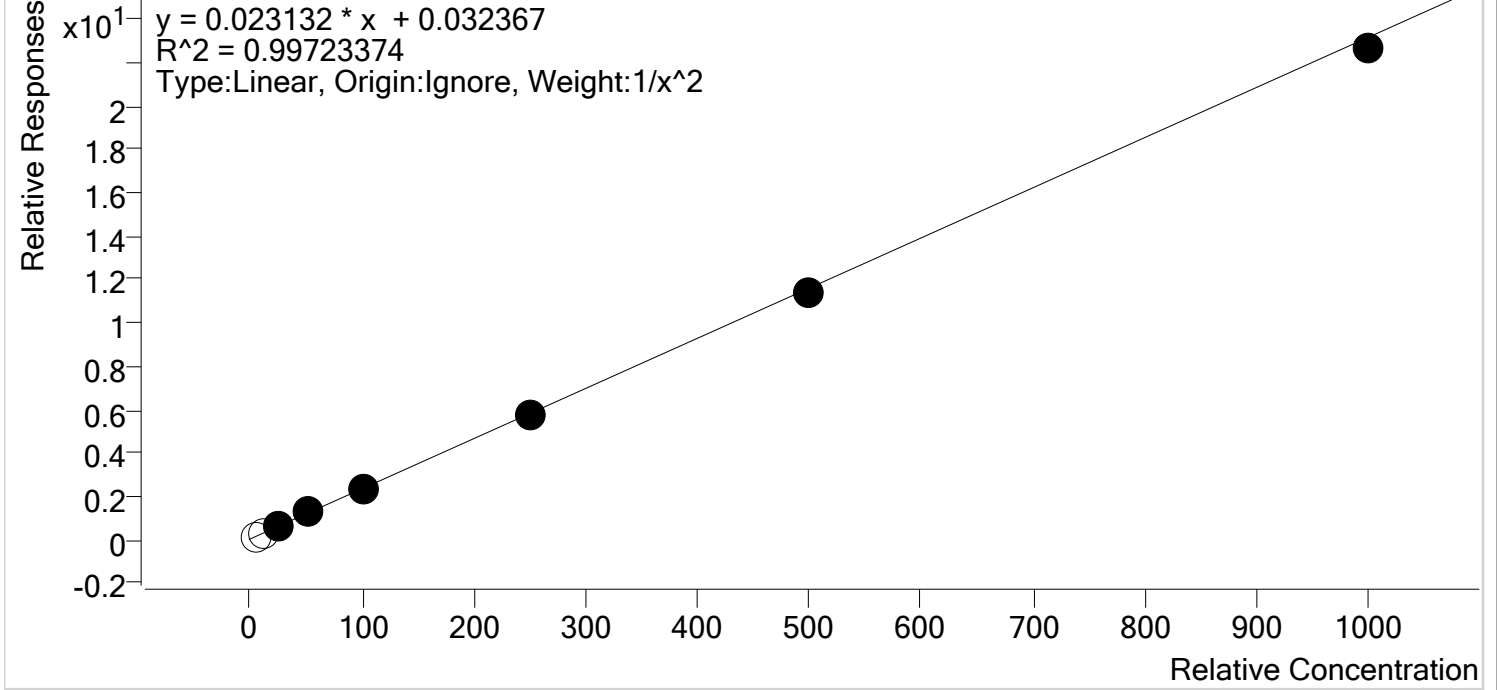


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

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



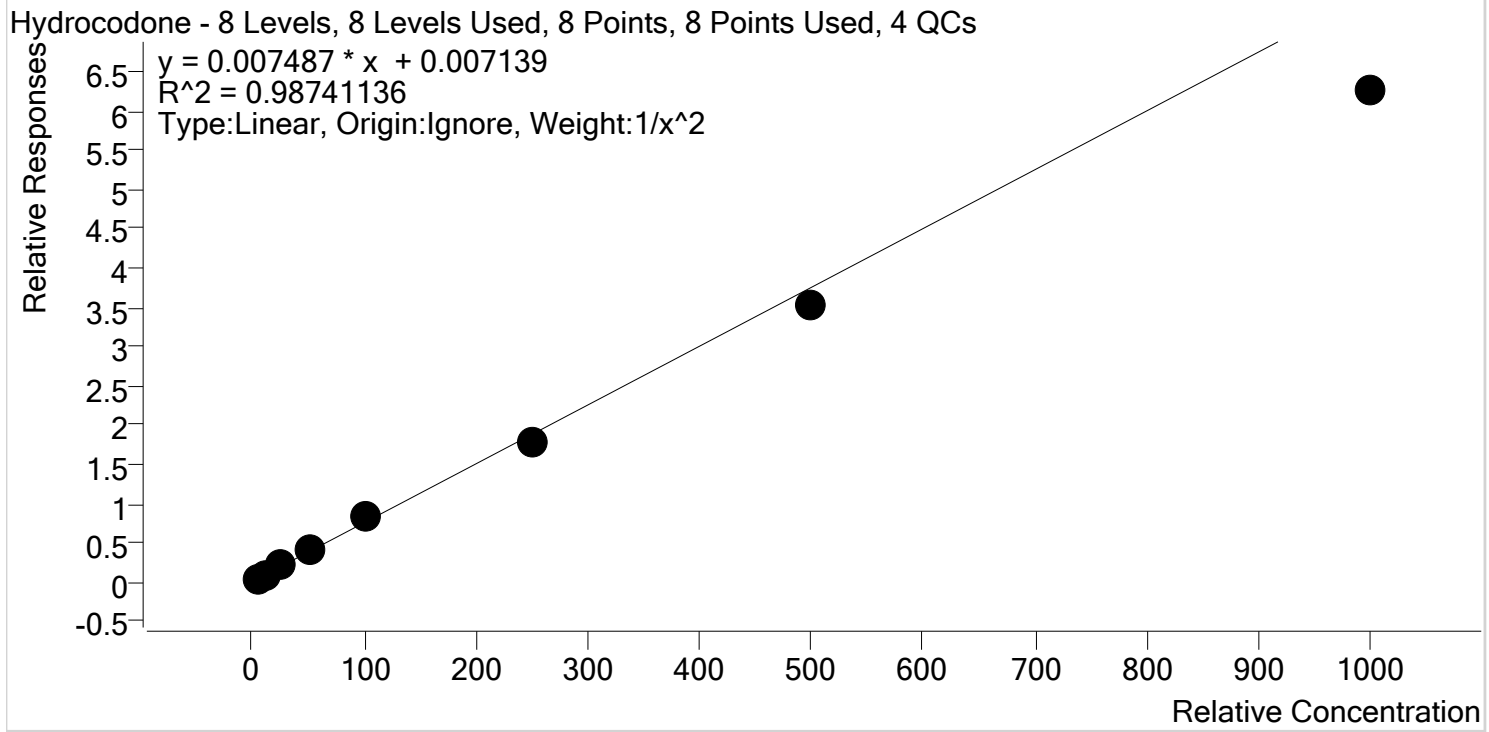
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	4.2	84.9
p1 Cal 2- 10ng	2	x	10.0	9.3	93.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	245.6	98.3
p1 Cal 7-500ng	7	✓	500.0	490.5	98.1
p1 Cal 8-1000ng	8	✓	1000.0	977.6	97.8

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



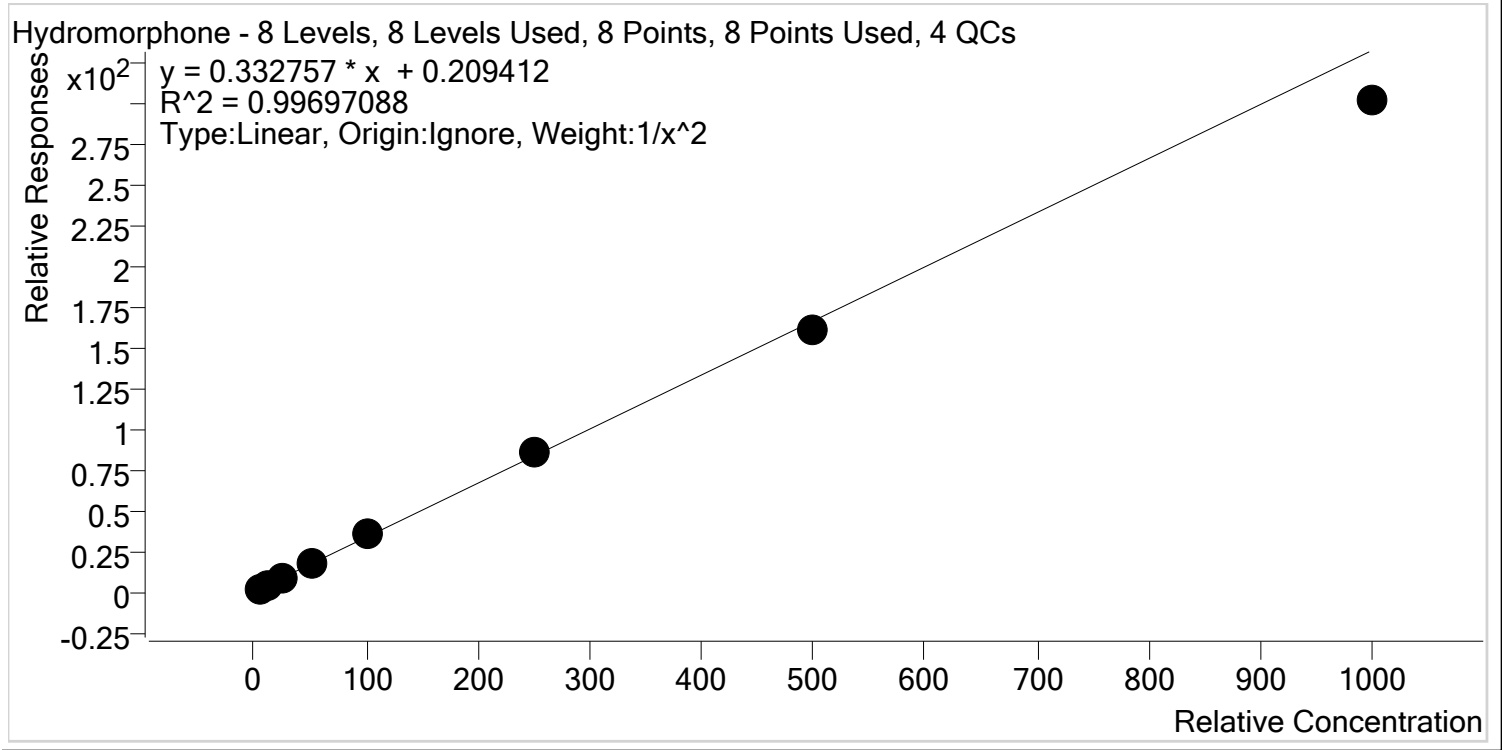
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.6
p1 Cal 2- 10ng	2	✓	10.0	10.8	107.7
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.5
p1 Cal 4-50ng	4	✓	50.0	55.2	110.3
p1 Cal 5-100ng	5	✓	100.0	109.4	109.4
p1 Cal 6-250ng	6	✓	250.0	239.1	95.6
p1 Cal 7-500ng	7	✓	500.0	467.2	93.4
p1 Cal 8-1000ng	8	✓	1000.0	834.6	83.5



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	480.3	96.1
p1 Cal 8-1000ng	8	✓	1000.0	907.2	90.7

Hydromorphone-D6 peak was missing. Morphine-D6 peak was selected instead.

TS

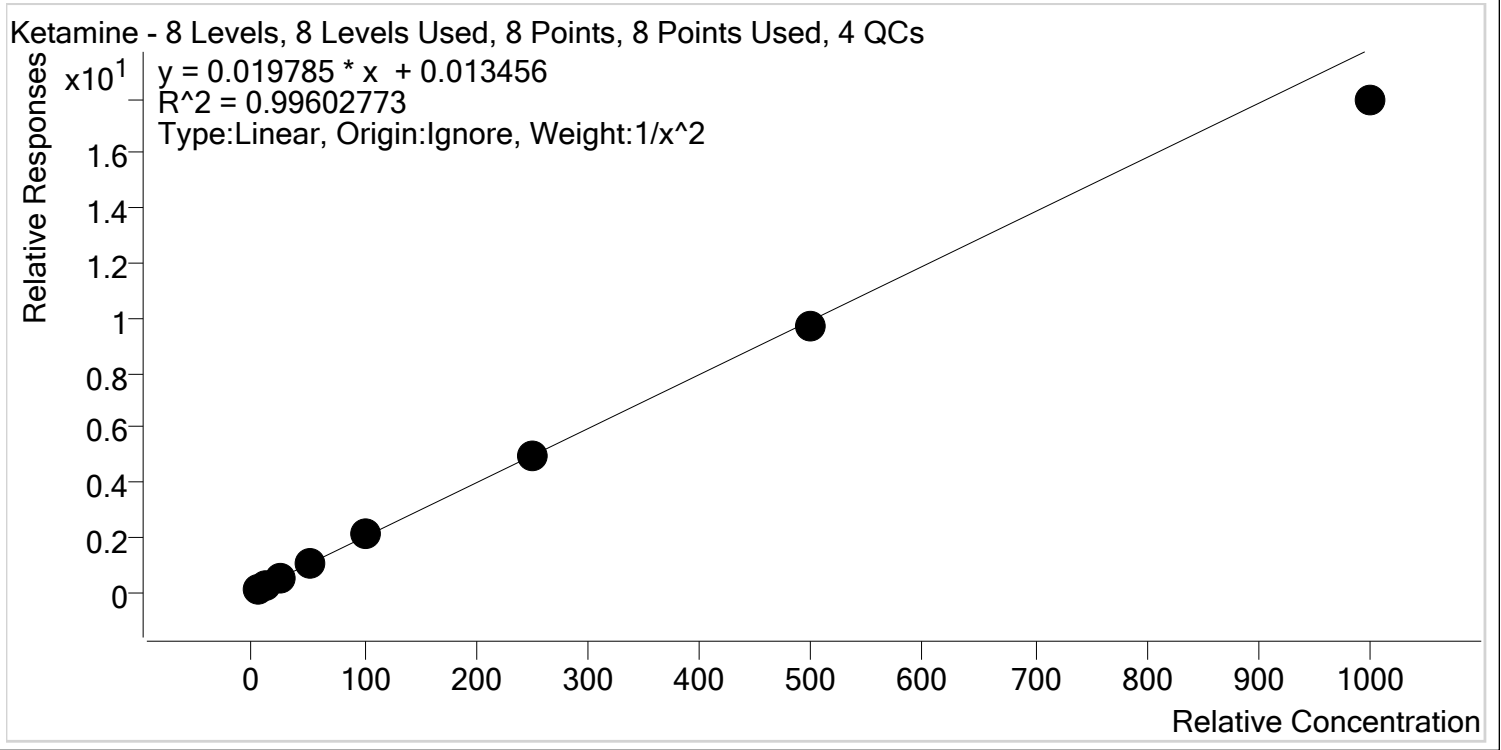
02/04/2021



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	487.7	97.5
p1 Cal 8-1000ng	8	✓	1000.0	905.2	90.5

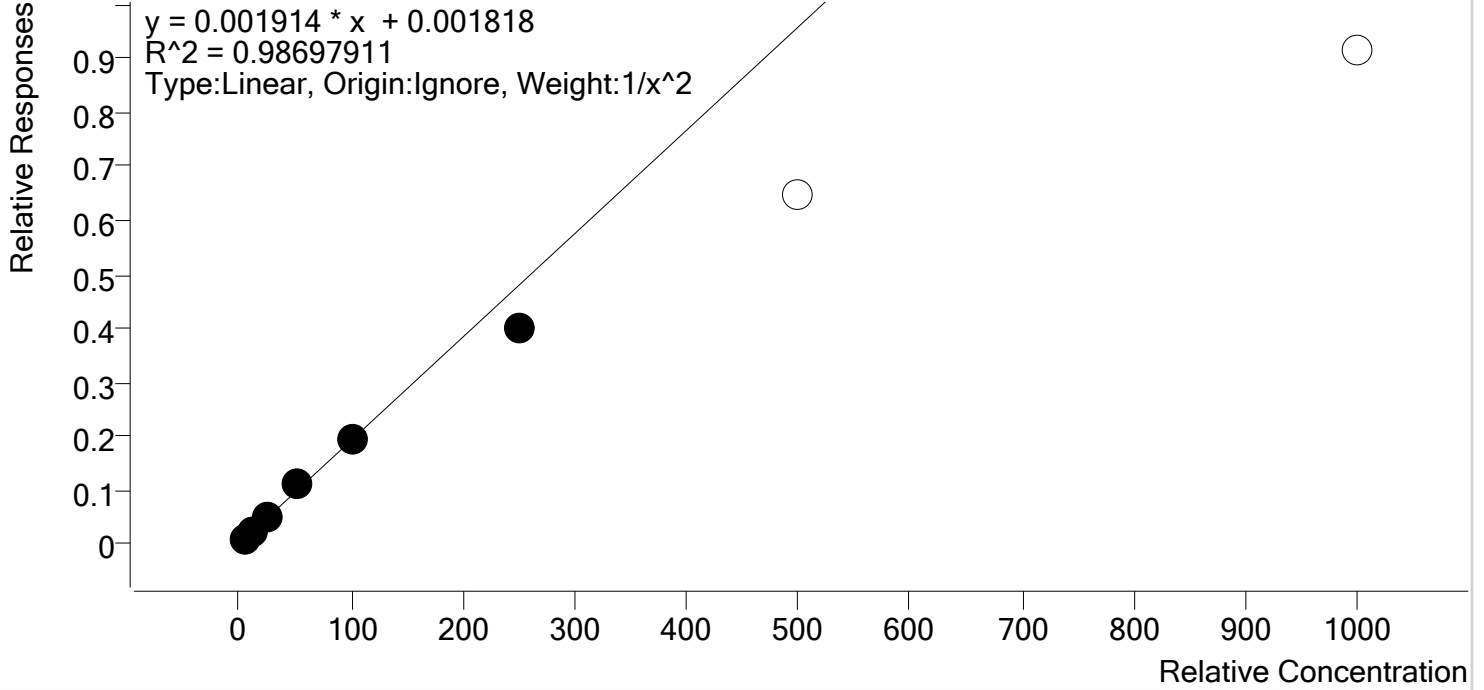


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	4.9	97.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	56.4	112.9
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	210.1	84.1
p1 Cal 7-500ng	7	x	500.0	338.3	67.7
p1 Cal 8-1000ng	8	x	1000.0	477.1	47.7

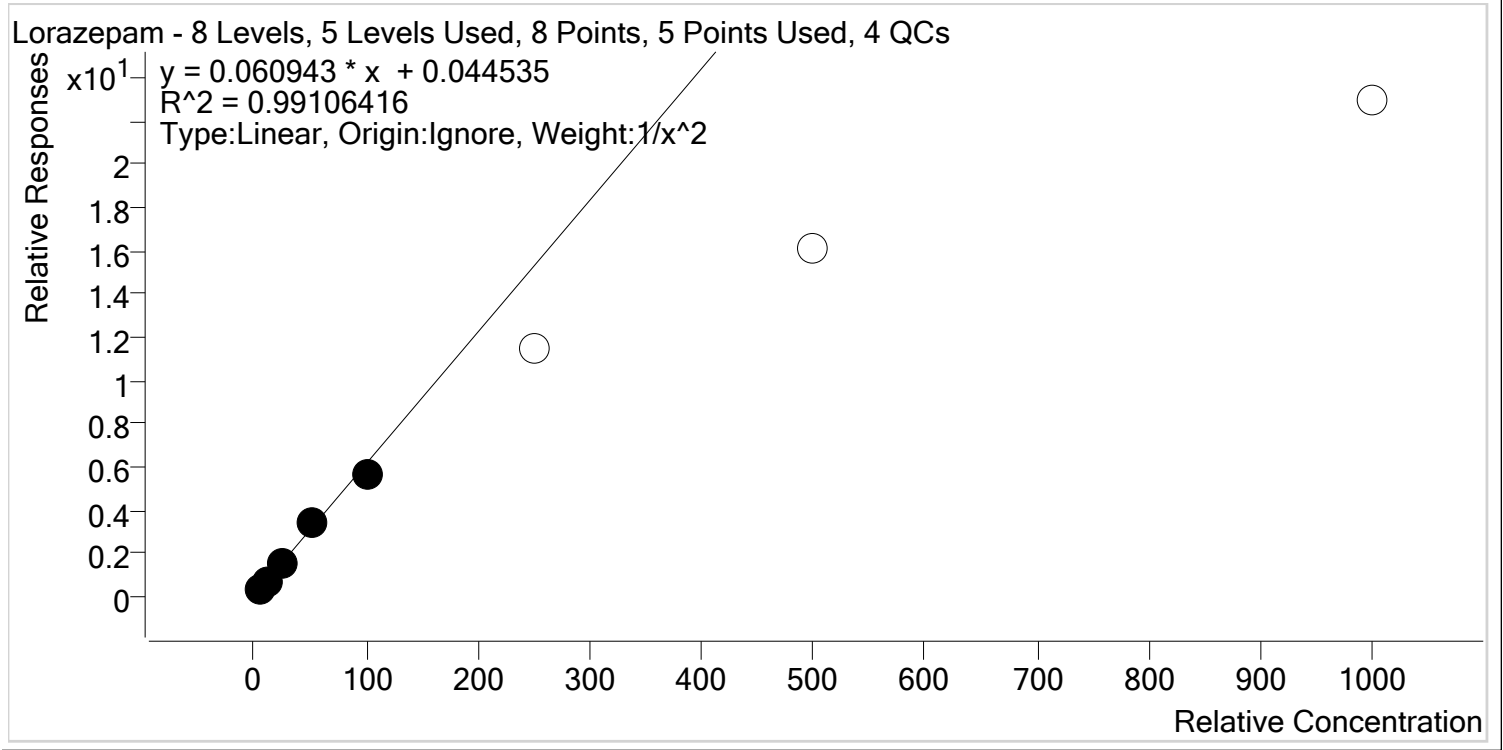




TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	56.0	112.0
p1 Cal 5-100ng	5	✓	100.0	92.8	92.8
p1 Cal 6-250ng	6	x	250.0	188.1	75.3
p1 Cal 7-500ng	7	x	500.0	263.8	52.8
p1 Cal 8-1000ng	8	x	1000.0	375.7	37.6

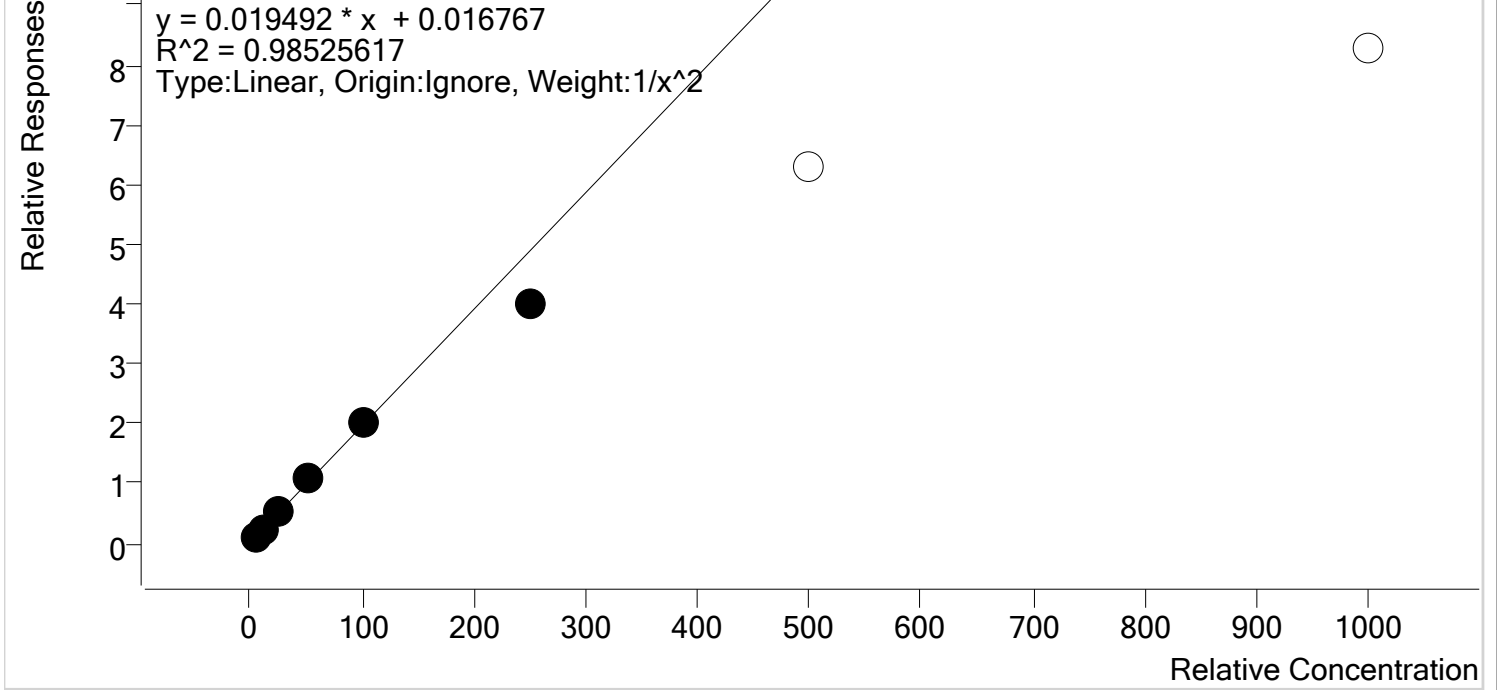


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

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



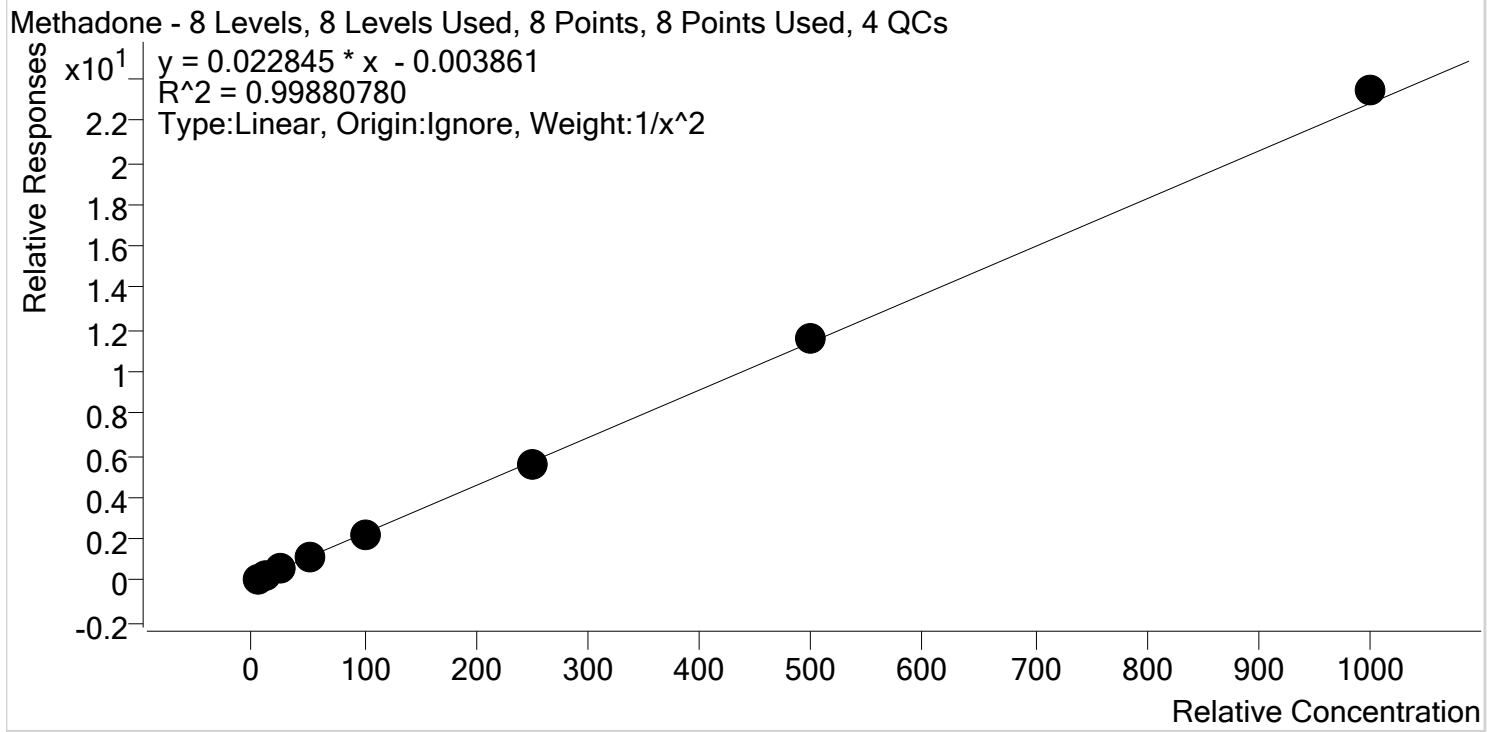
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	205.0	82.0
p1 Cal 7-500ng	7	x	500.0	322.3	64.5
p1 Cal 8-1000ng	8	x	1000.0	423.5	42.4

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	243.5	97.4
p1 Cal 7-500ng	7	✓	500.0	506.7	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1026.7	102.7

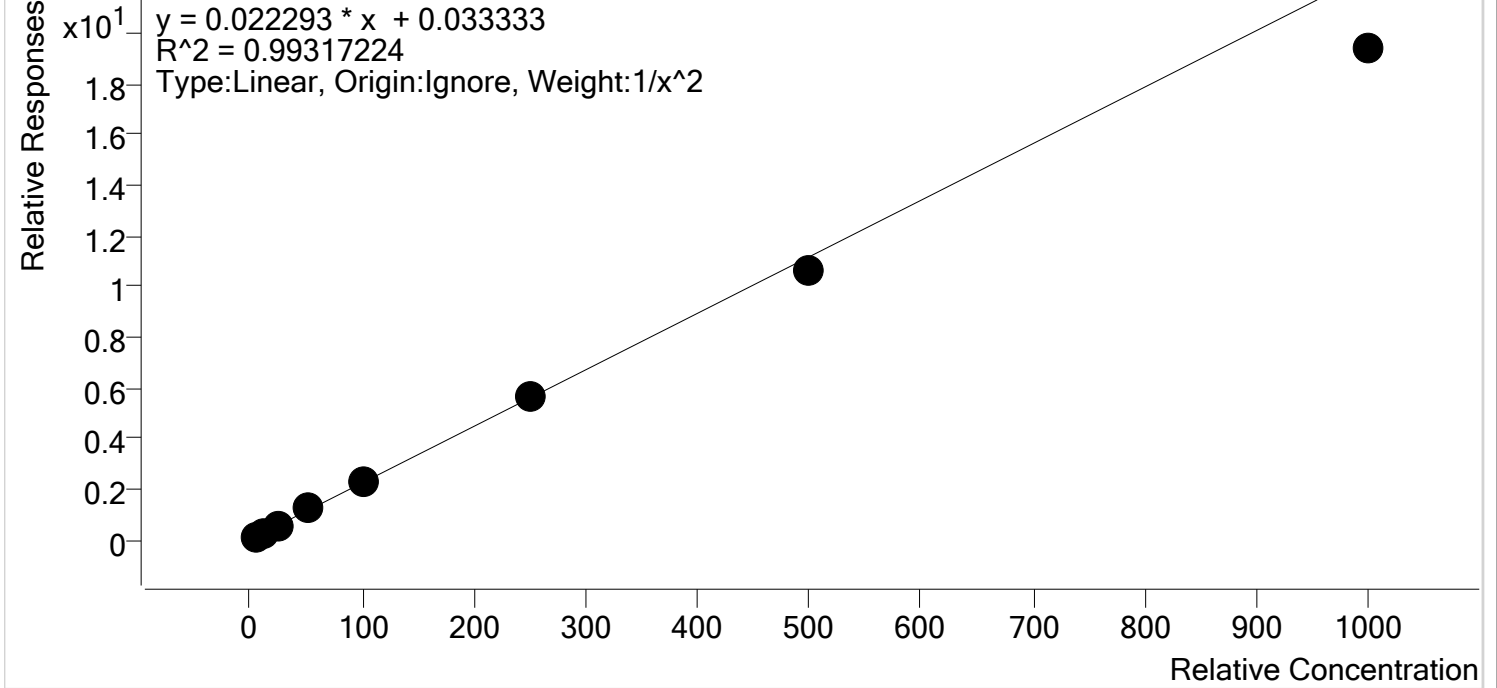


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	10.5	105.3
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	252.6	101.1
p1 Cal 7-500ng	7	✓	500.0	477.4	95.5
p1 Cal 8-1000ng	8	✓	1000.0	868.2	86.8

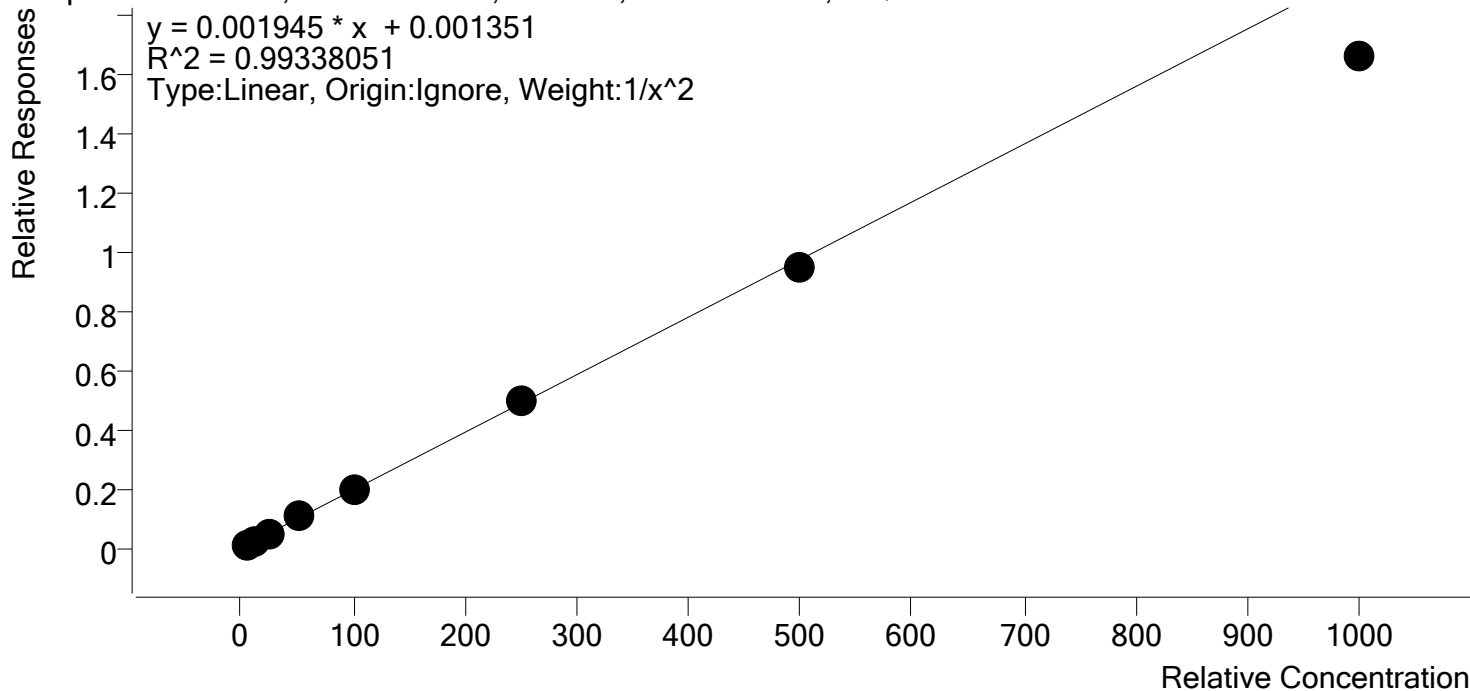


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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



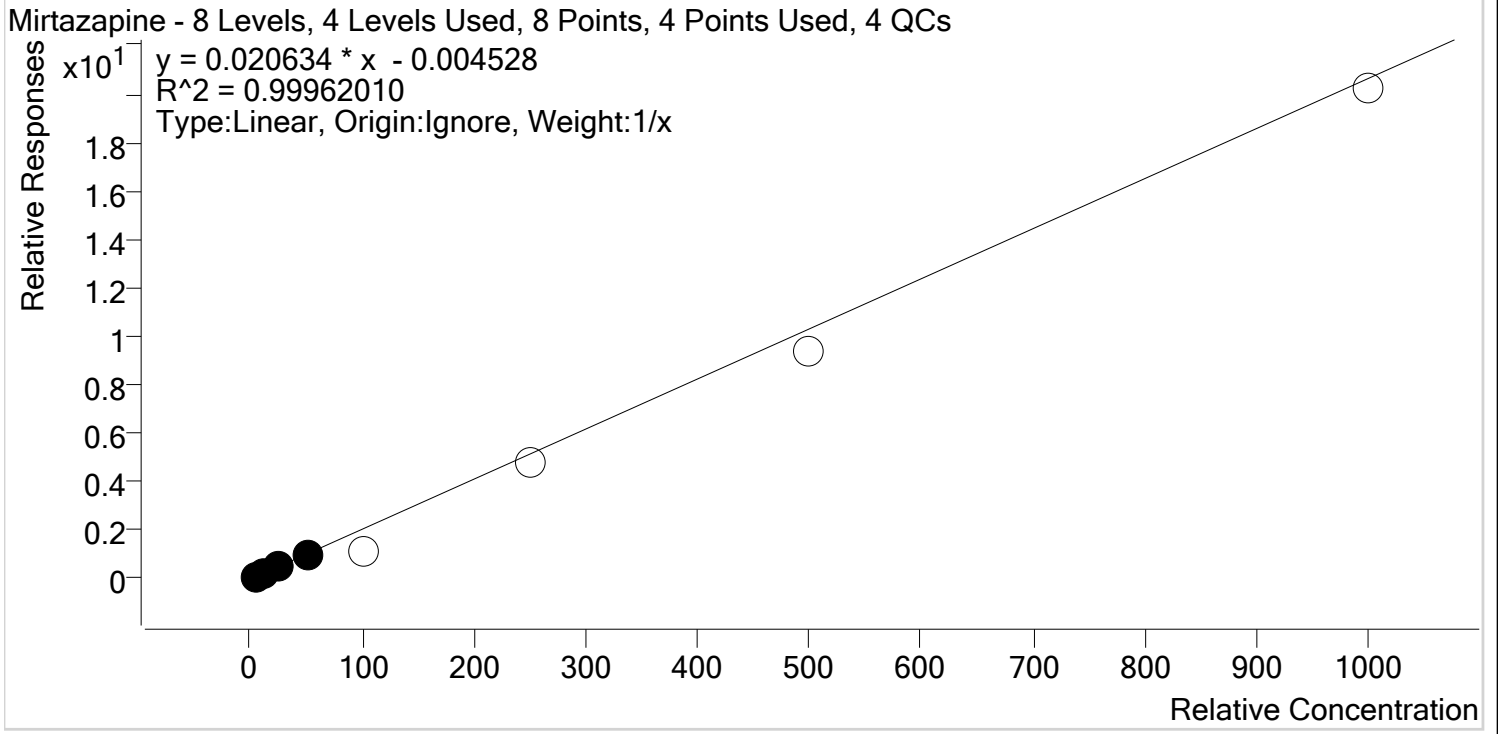
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.4
p1 Cal 4-50ng	4	✓	50.0	55.0	110.0
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	256.6	102.6
p1 Cal 7-500ng	7	✓	500.0	489.6	97.9
p1 Cal 8-1000ng	8	✓	1000.0	852.1	85.2



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



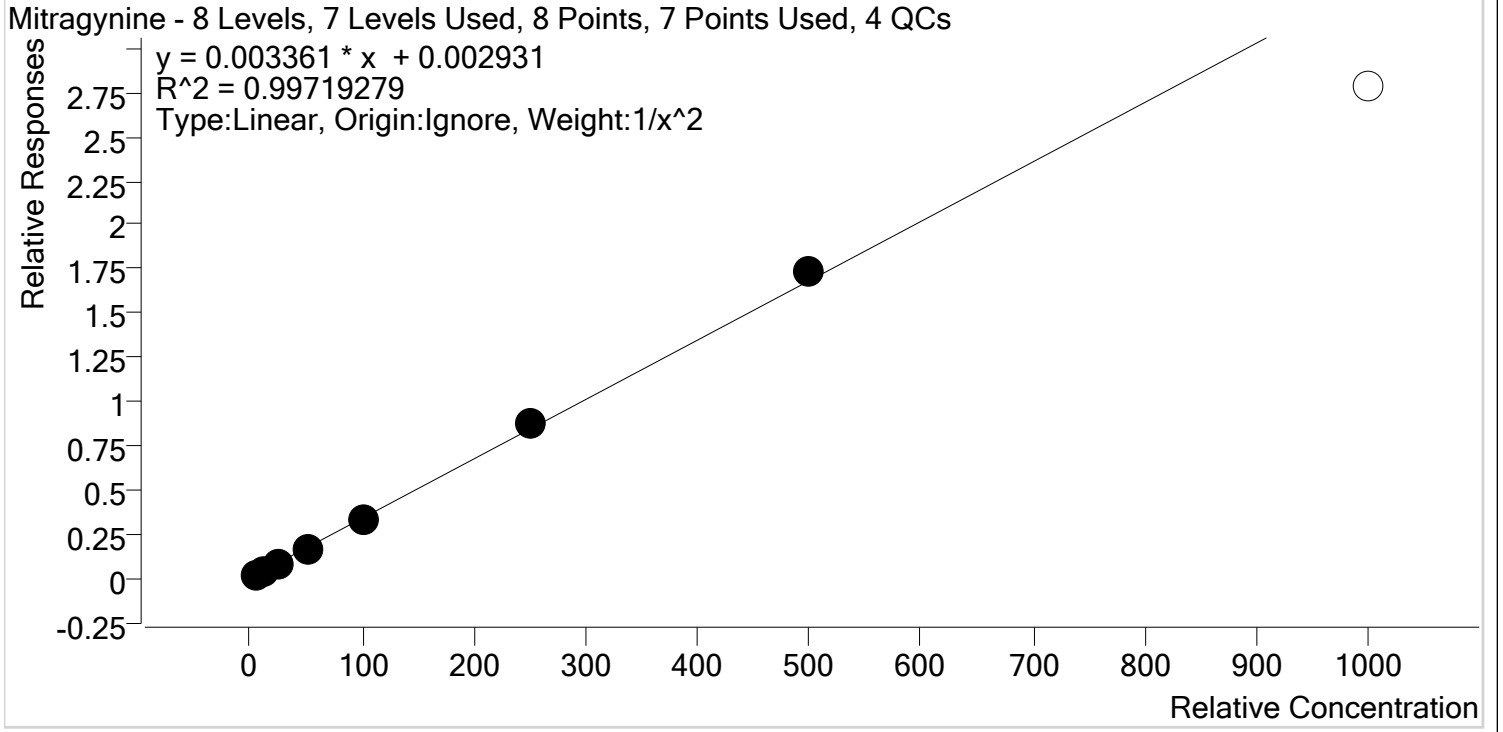
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	x	100.0	55.9	55.9
p1 Cal 6-250ng	6	x	250.0	235.7	94.3
p1 Cal 7-500ng	7	x	500.0	453.2	90.6
p1 Cal 8-1000ng	8	x	1000.0	979.9	98.0



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



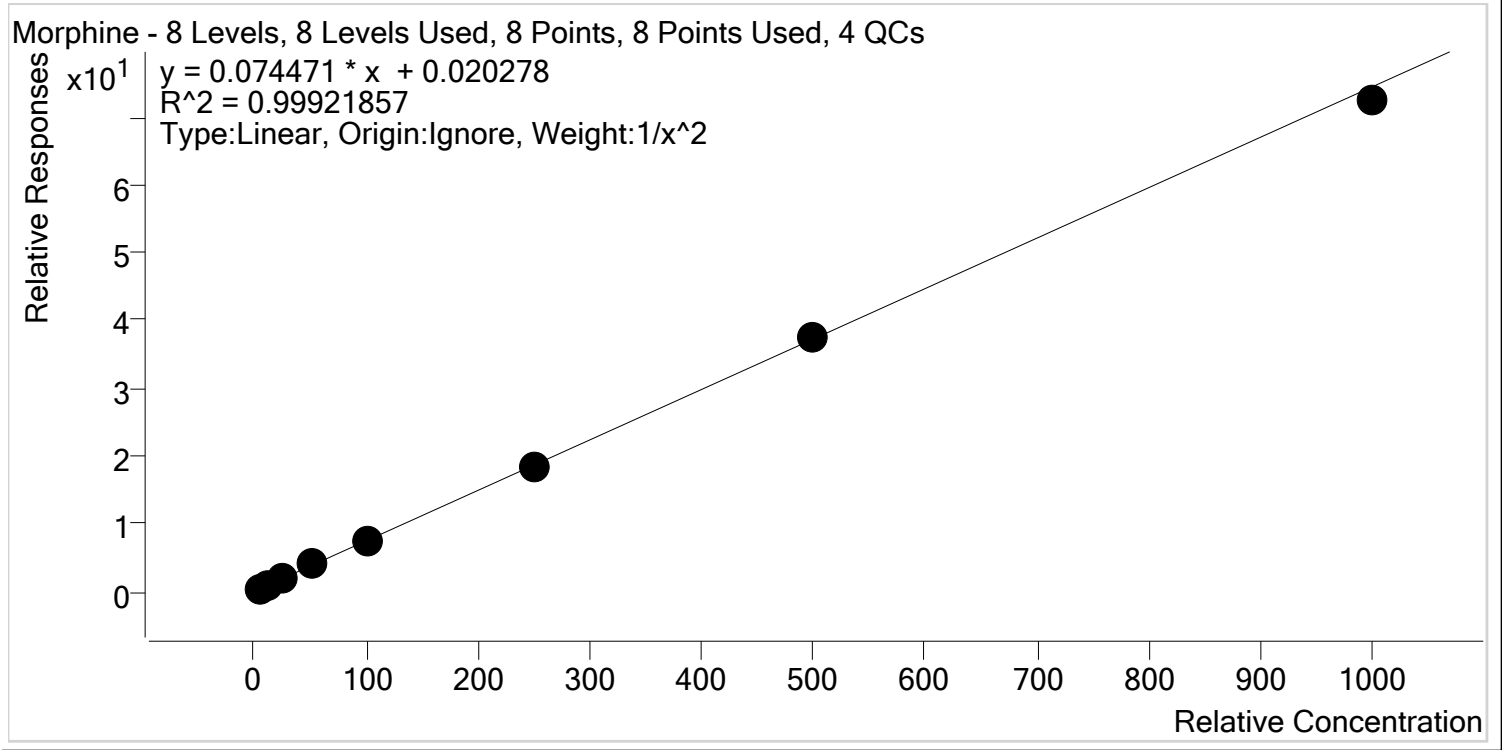
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	45.6	91.3
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	260.8	104.3
p1 Cal 7-500ng	7	✓	500.0	513.6	102.7
p1 Cal 8-1000ng	8	✗	1000.0	826.9	82.7



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	504.3	100.9
p1 Cal 8-1000ng	8	✓	1000.0	972.7	97.3



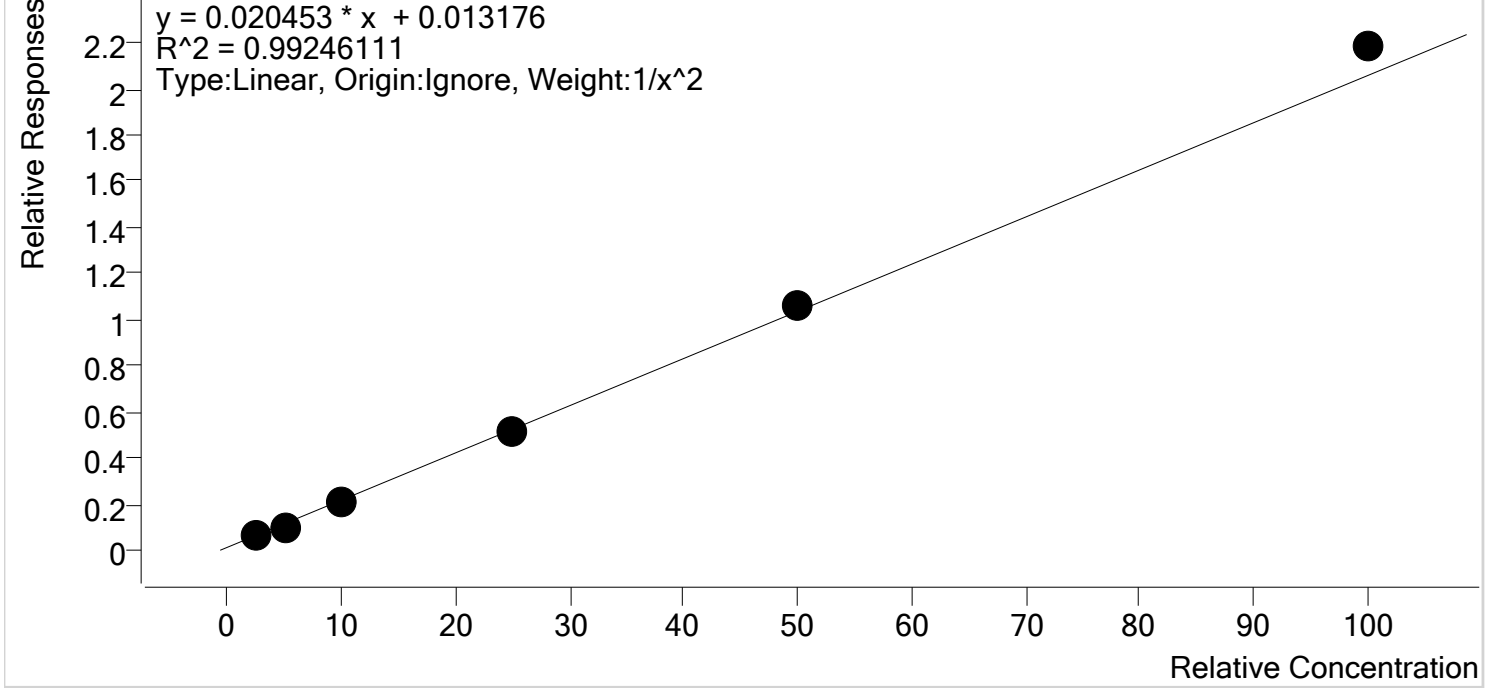


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 4 QCs



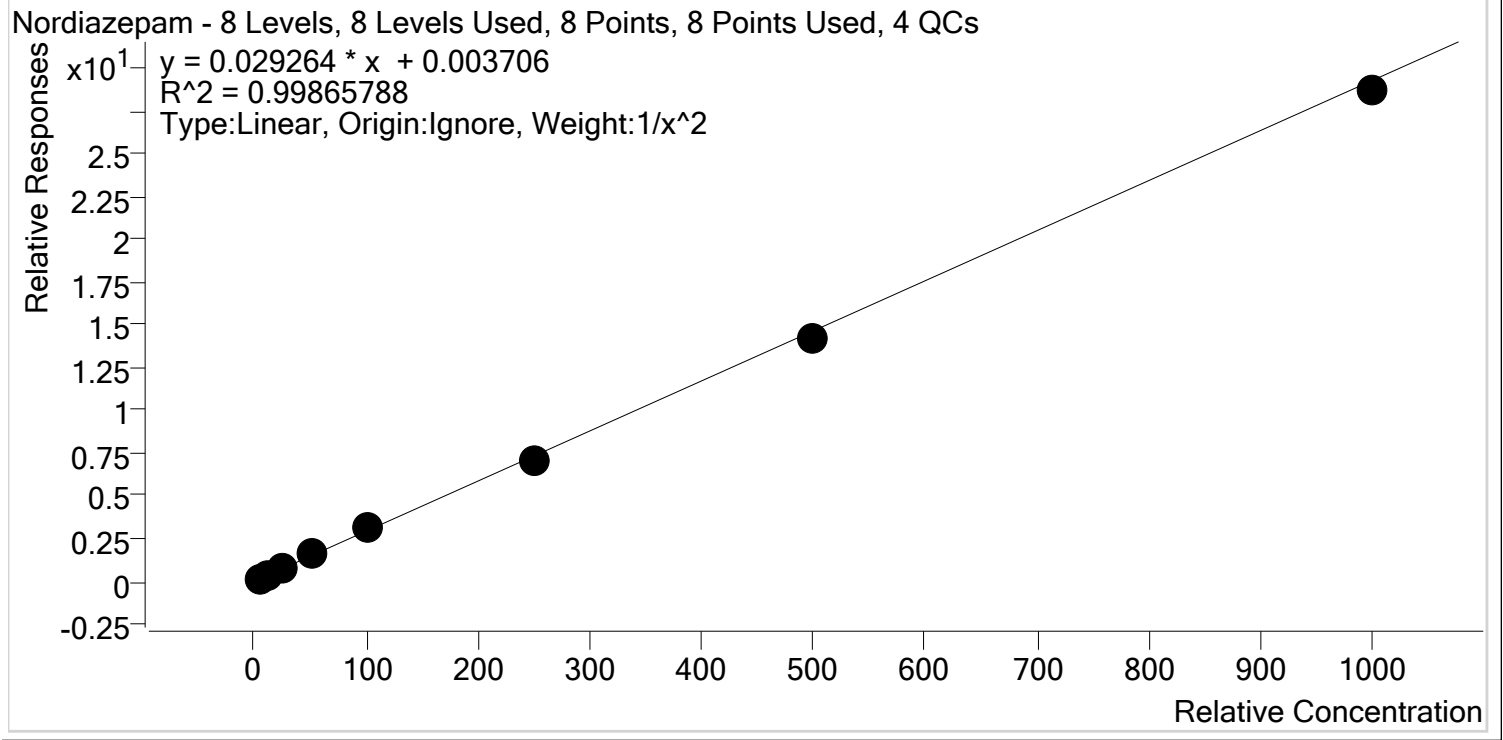
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	2.5	2.7	106.2
p1 Cal 4-50ng	4	✓	5.0	4.4	87.7
p1 Cal 5-100ng	5	✓	10.0	10.0	99.6
p1 Cal 6-250ng	6	✓	25.0	24.3	97.3
p1 Cal 7-500ng	7	✓	50.0	51.5	103.1
p1 Cal 8-1000ng	8	✓	100.0	106.1	106.1



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5



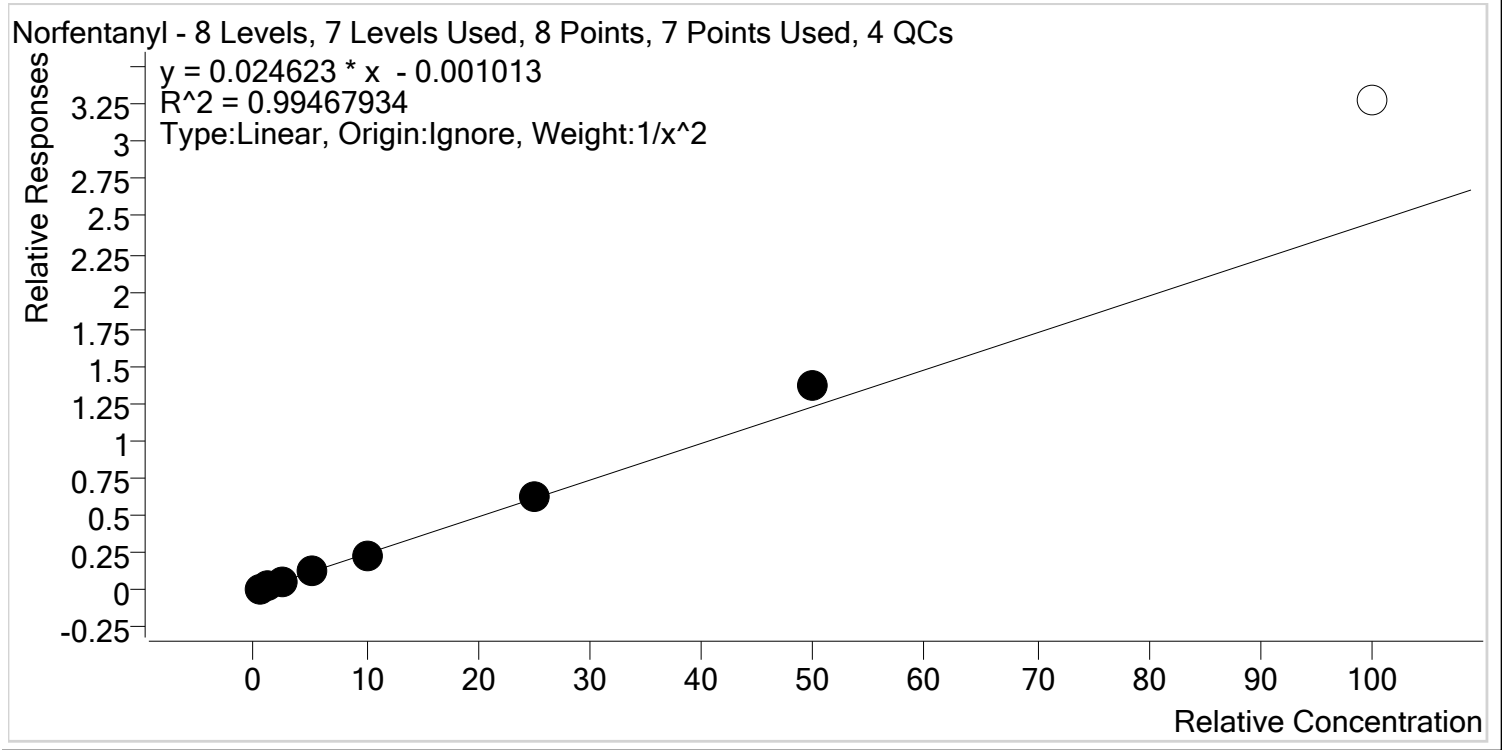
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	52.6	105.3
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	484.0	96.8
p1 Cal 8-1000ng	8	✓	1000.0	979.9	98.0



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	102.7
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.1
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.5
p1 Cal 4-50ng	4	✓	5.0	4.9	98.4
p1 Cal 5-100ng	5	✓	10.0	9.6	95.9
p1 Cal 6-250ng	6	✓	25.0	25.1	100.4
p1 Cal 7-500ng	7	✓	50.0	56.0	112.0
p1 Cal 8-1000ng	8	✗	100.0	133.1	133.1

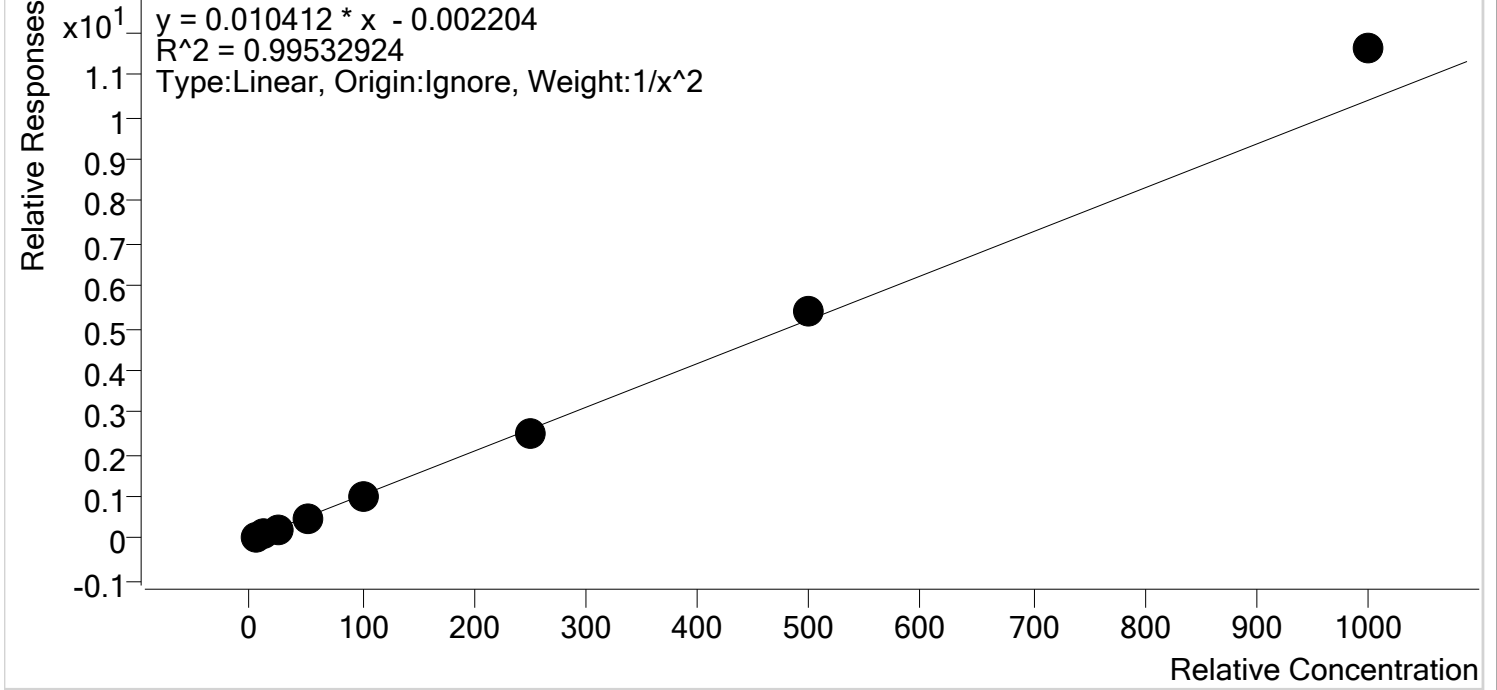


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	237.7	95.1
p1 Cal 7-500ng	7	✓	500.0	518.1	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1117.8	111.8

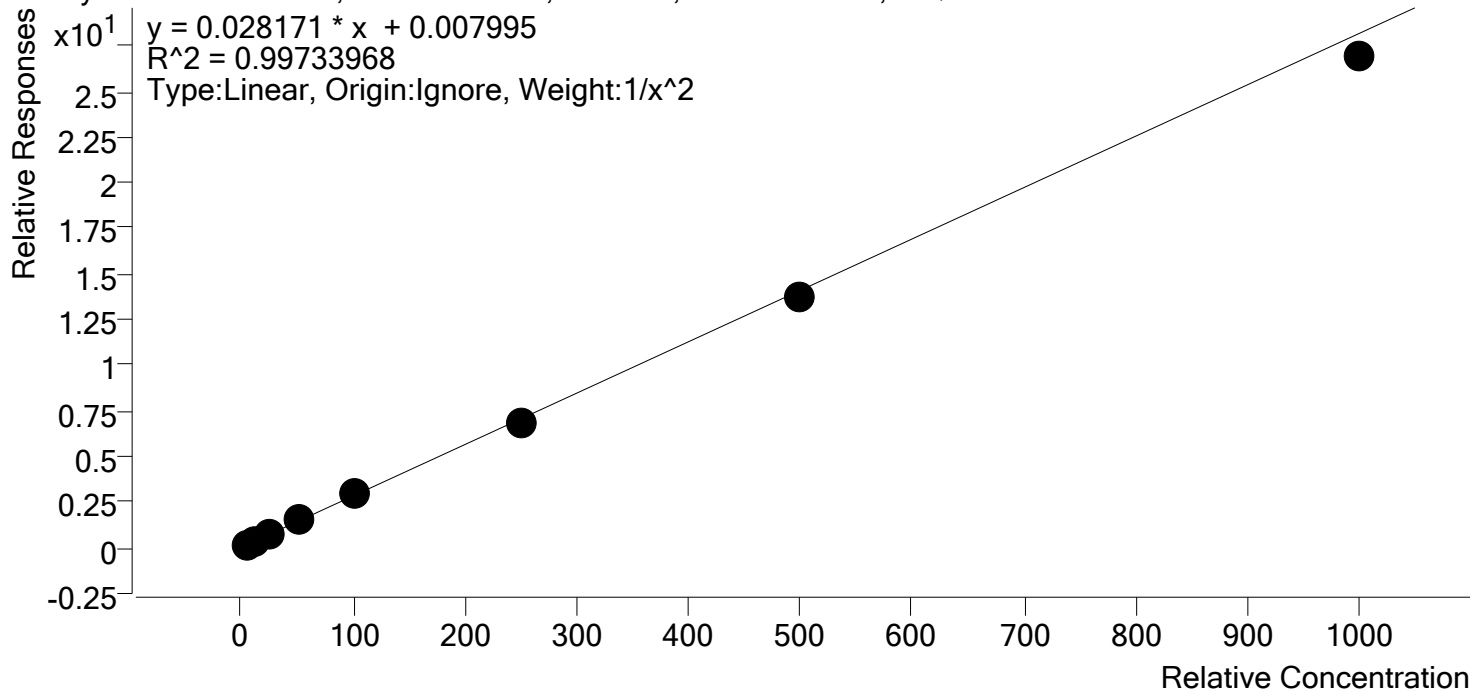


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

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



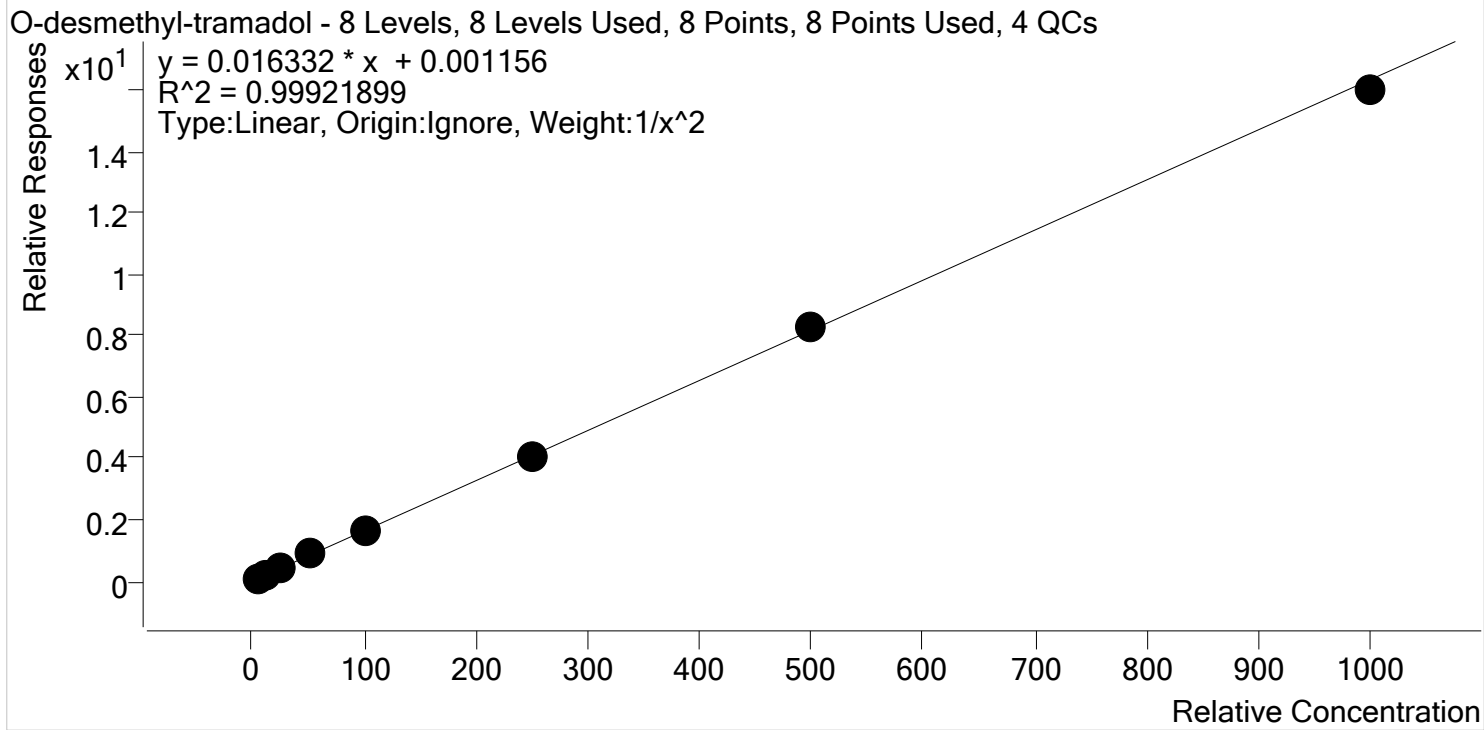
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	54.8	109.7
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	242.4	97.0
p1 Cal 7-500ng	7	✓	500.0	486.6	97.3
p1 Cal 8-1000ng	8	✓	1000.0	954.9	95.5

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



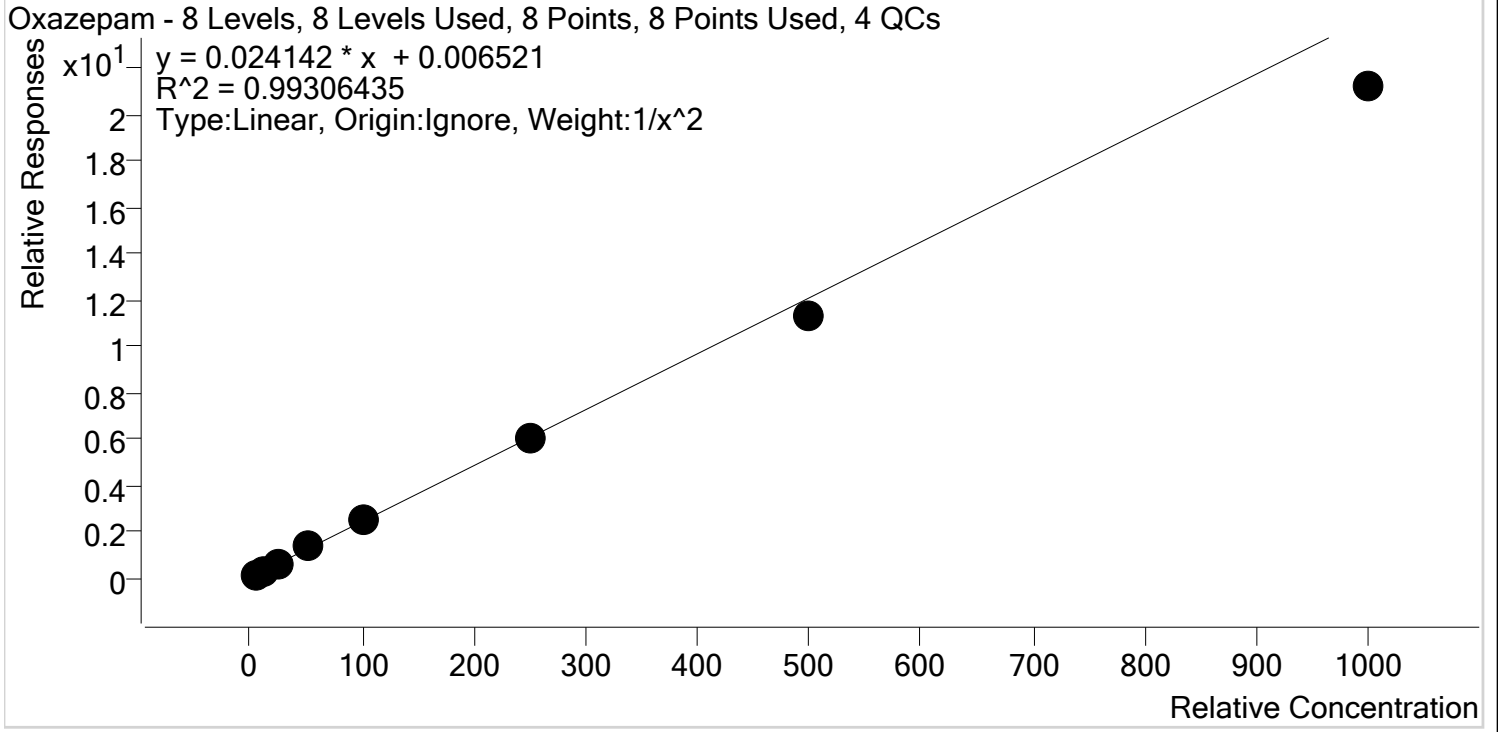
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	246.9	98.7
p1 Cal 7-500ng	7	✓	500.0	505.6	101.1
p1 Cal 8-1000ng	8	✓	1000.0	979.0	97.9



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam Internal Standard Oxazepam-D5



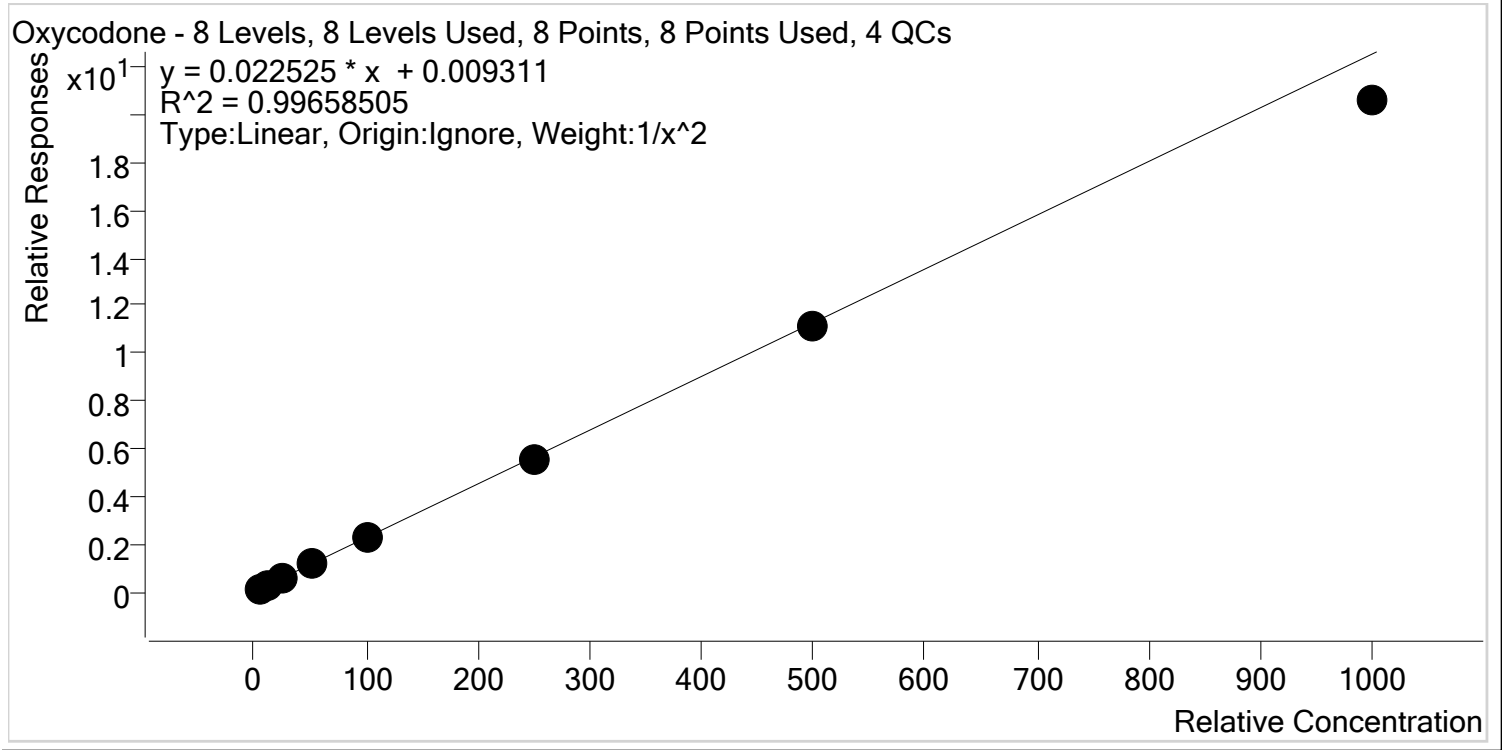
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	56.1	112.1
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	470.9	94.2
p1 Cal 8-1000ng	8	✓	1000.0	877.6	87.8

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	4.9	97.9
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	54.5	109.0
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	495.2	99.0
p1 Cal 8-1000ng	8	✓	1000.0	913.3	91.3



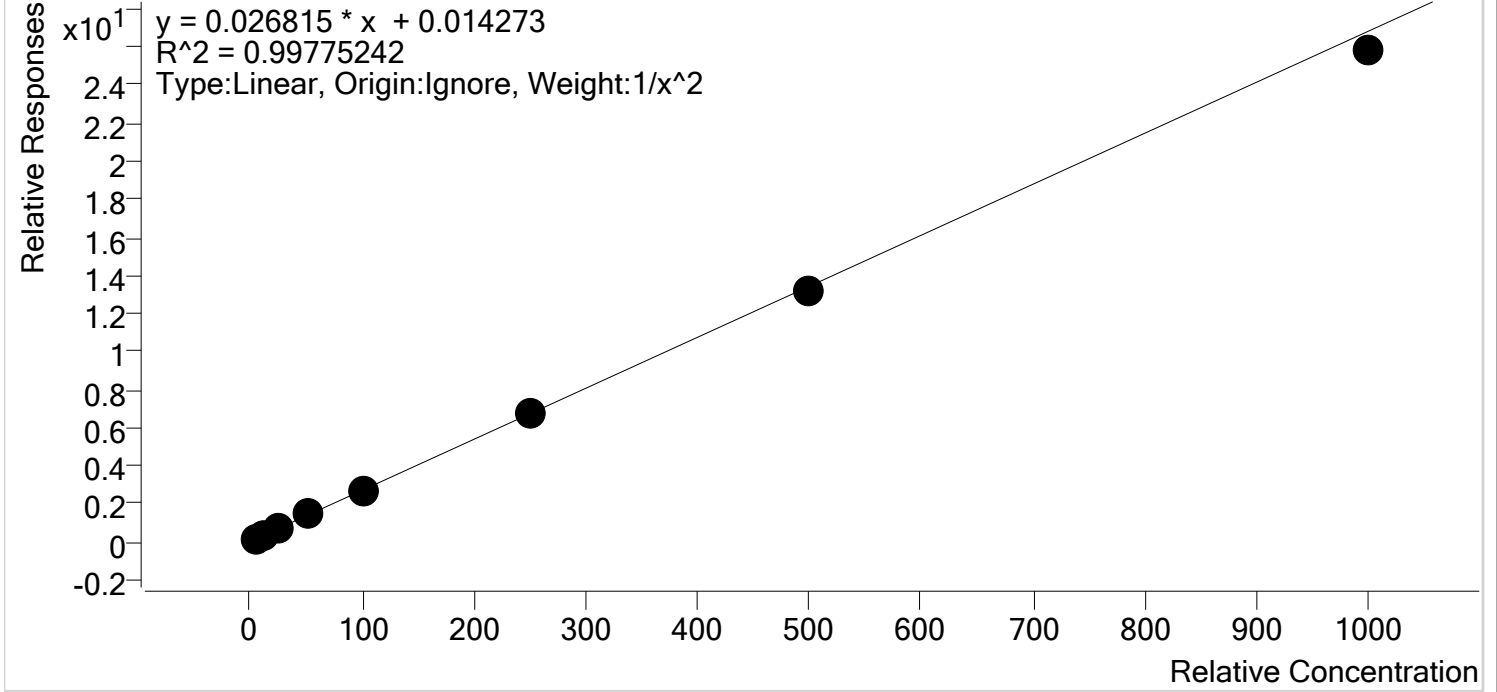


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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



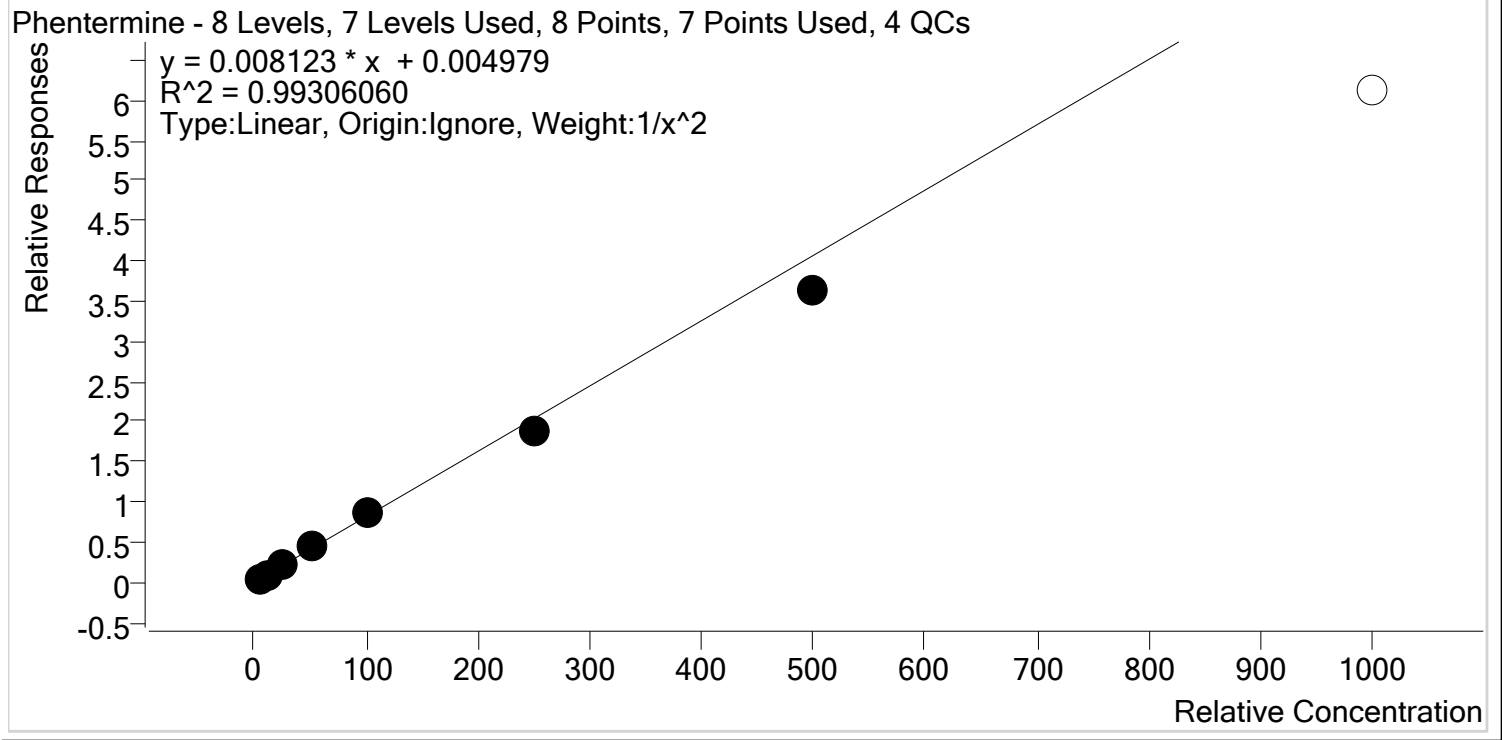
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	54.7	109.5
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	493.7	98.7
p1 Cal 8-1000ng	8	✓	1000.0	962.1	96.2

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



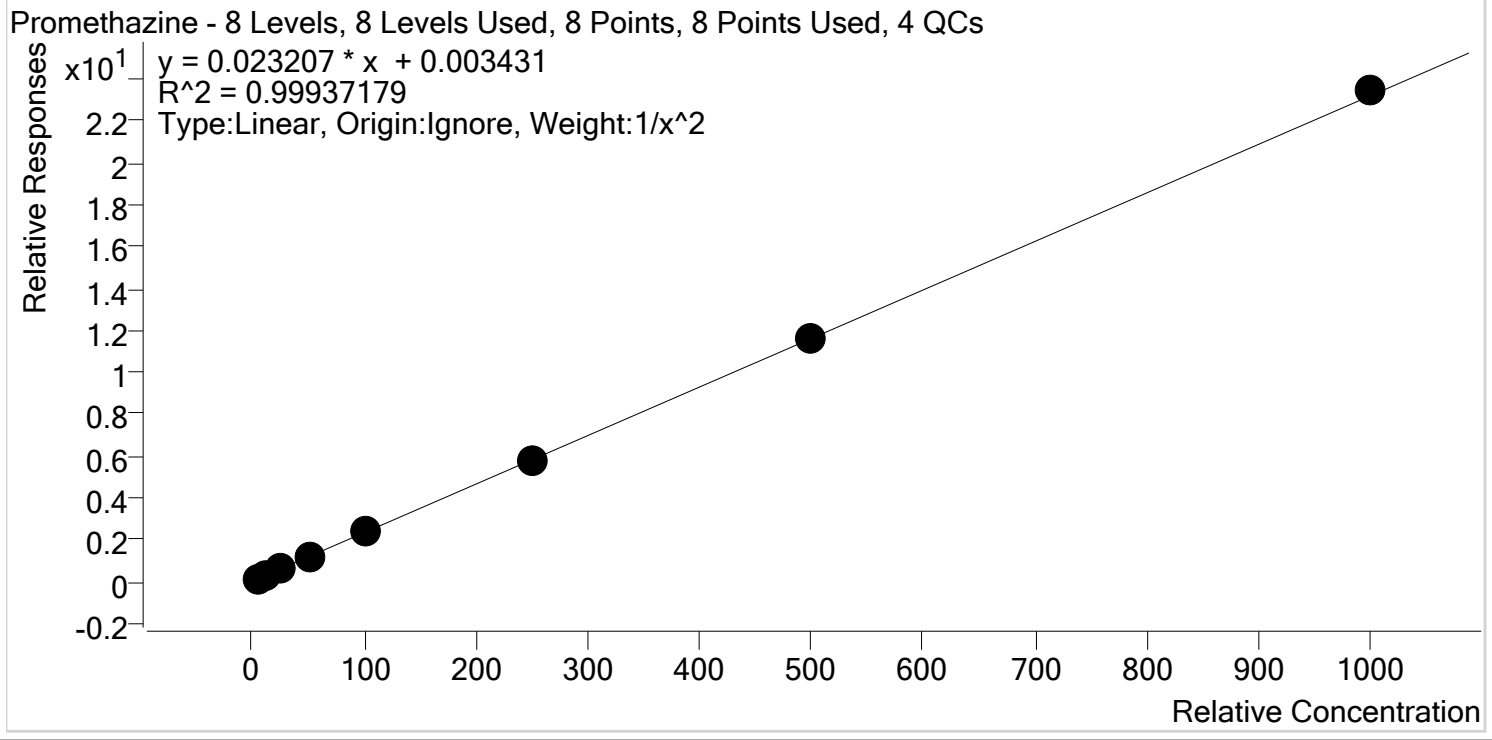
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	55.3	110.5
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	232.7	93.1
p1 Cal 7-500ng	7	✓	500.0	449.5	89.9
p1 Cal 8-1000ng	8	✗	1000.0	752.4	75.2



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



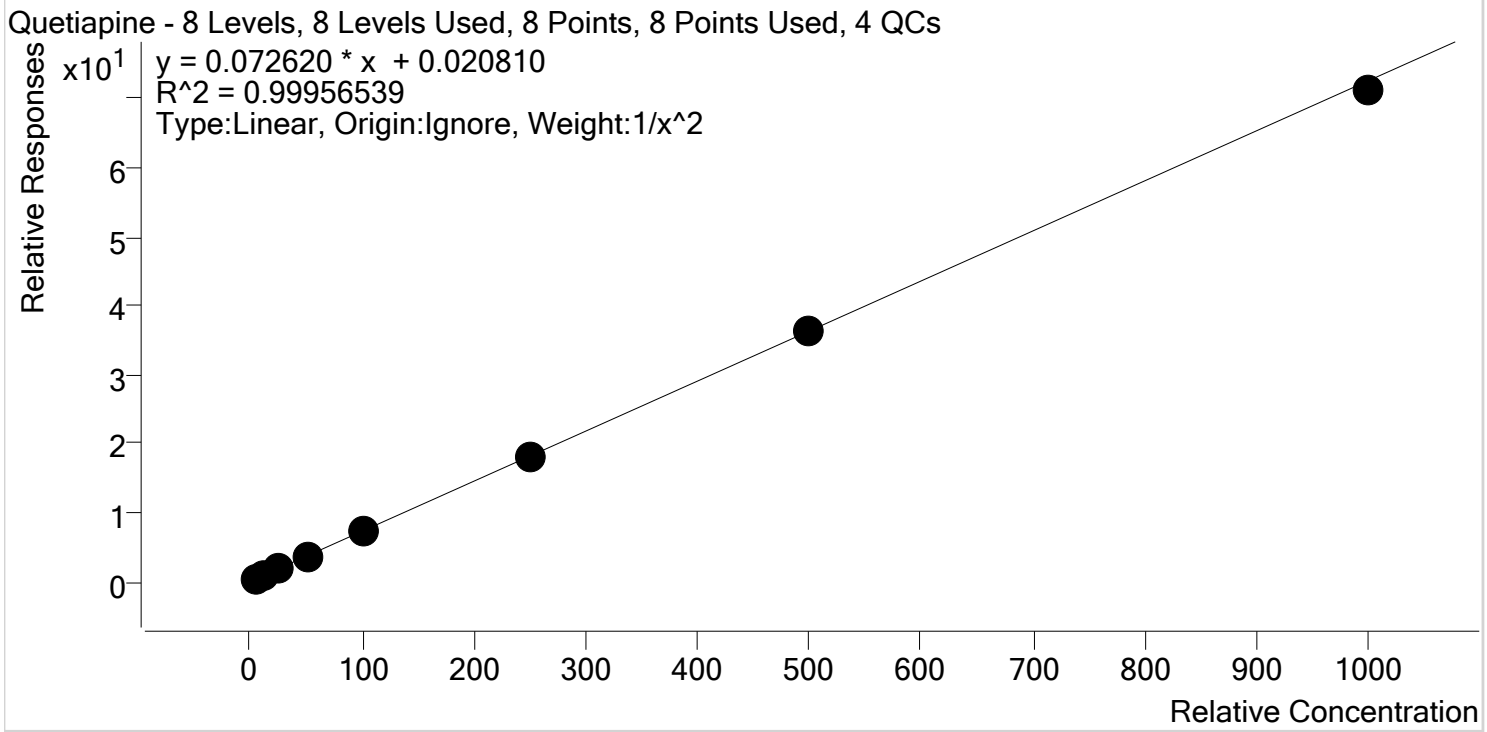
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	244.6	97.9
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1010.9	101.1

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



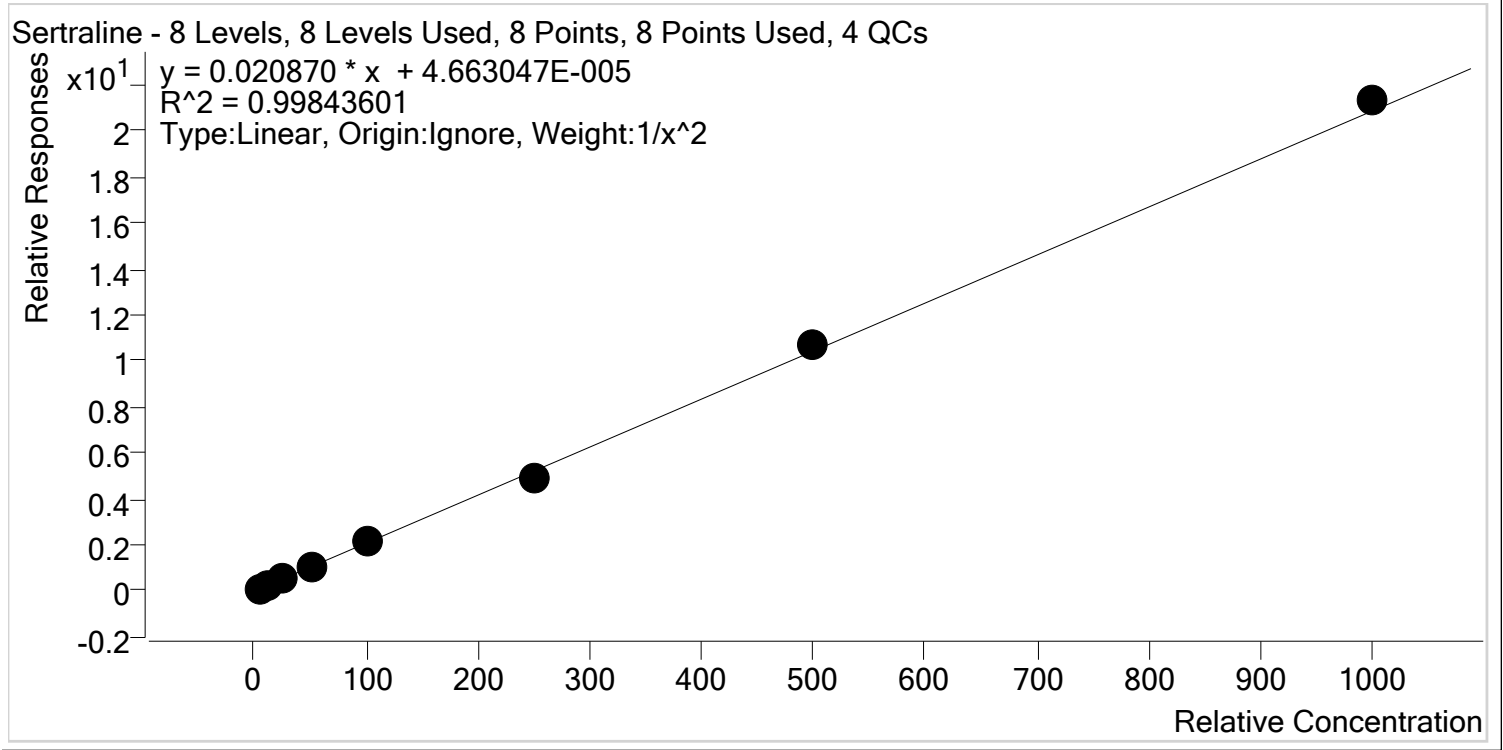
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	503.7	100.7
p1 Cal 8-1000ng	8	✓	1000.0	980.5	98.0

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



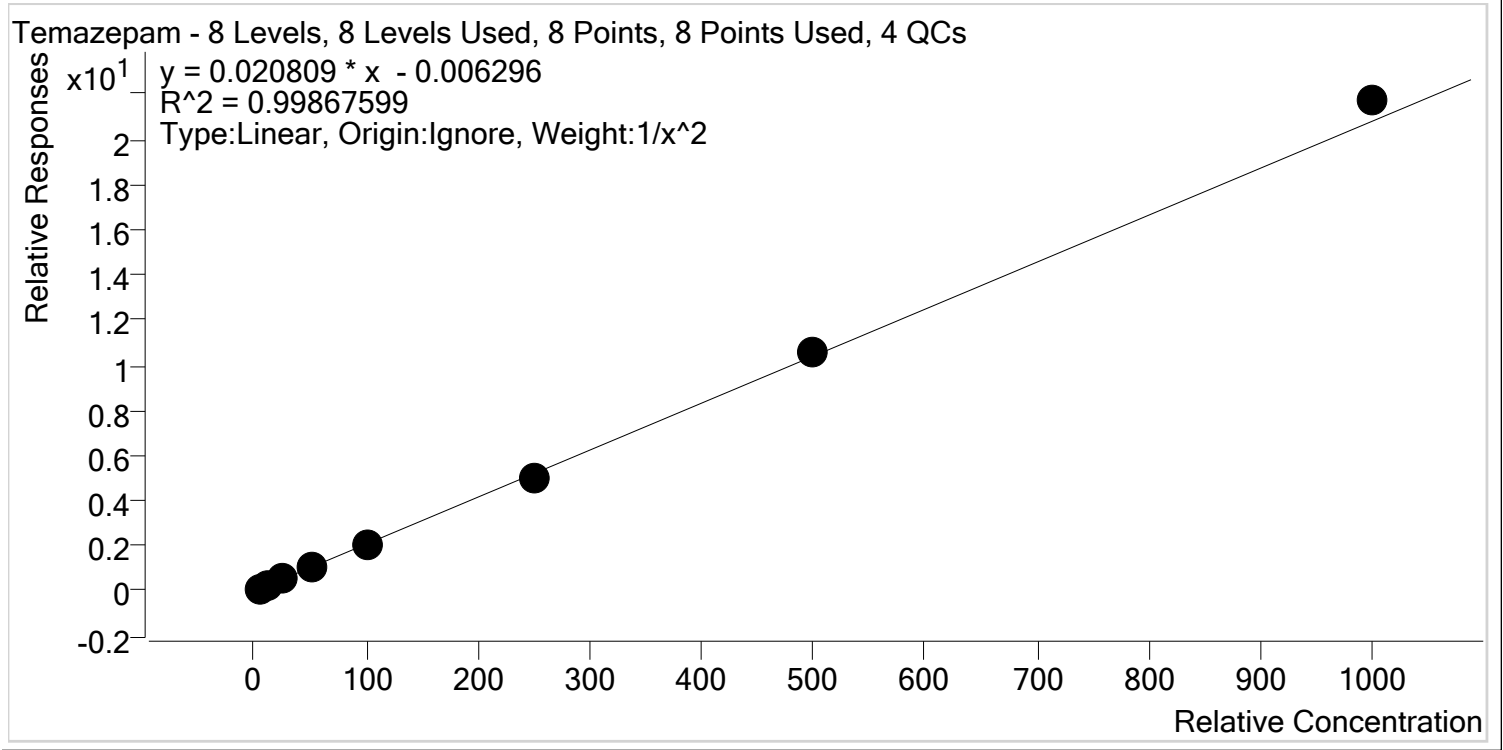
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	235.5	94.2
p1 Cal 7-500ng	7	✓	500.0	515.0	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1021.8	102.2



TS

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

Batch results D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
 Last Cal. Update 1/26/2021 1:03 PM  
 Analyst Name ISP\Datastor  
 Analyte Temazepam Internal Standard Temazepam-D5



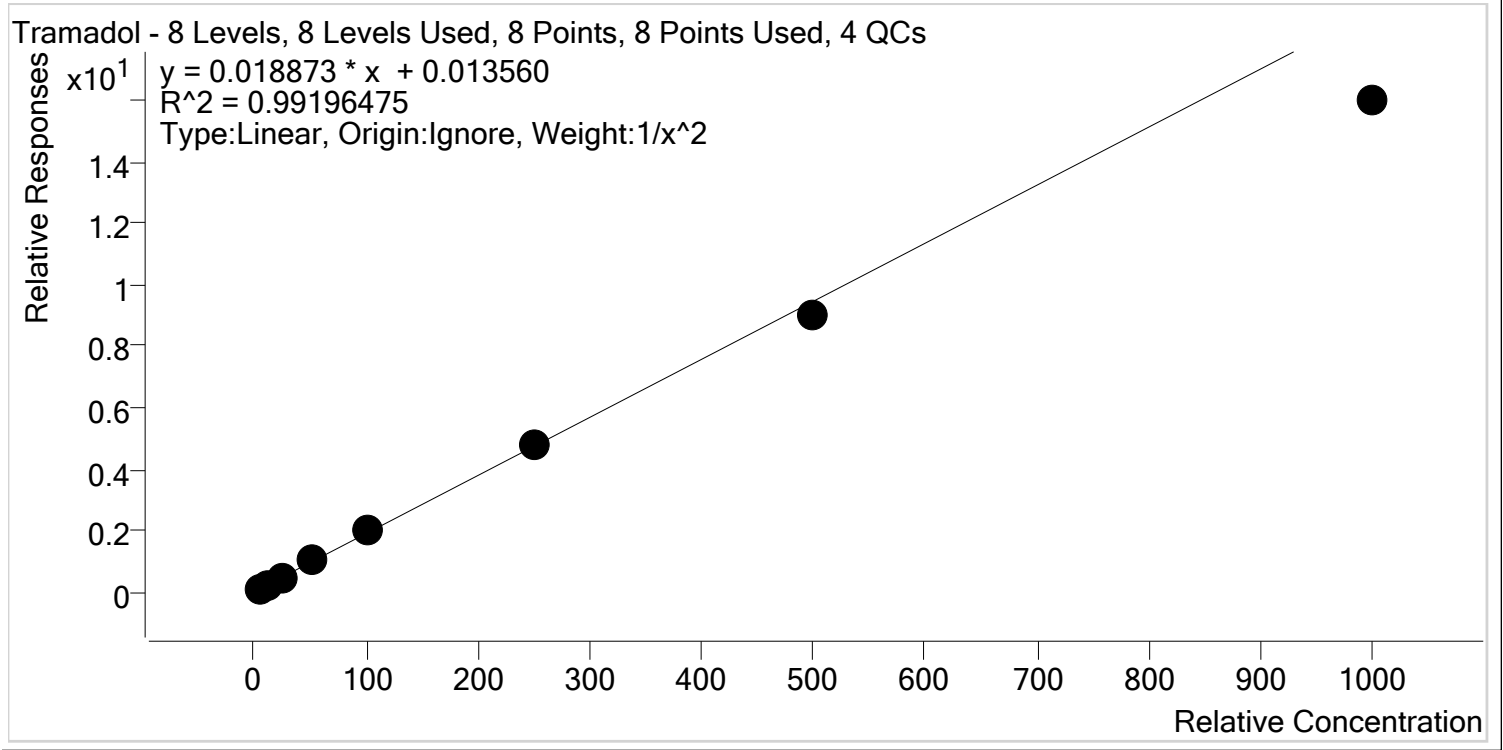
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	242.3	96.9
p1 Cal 7-500ng	7	✓	500.0	505.5	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1044.0	104.4



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



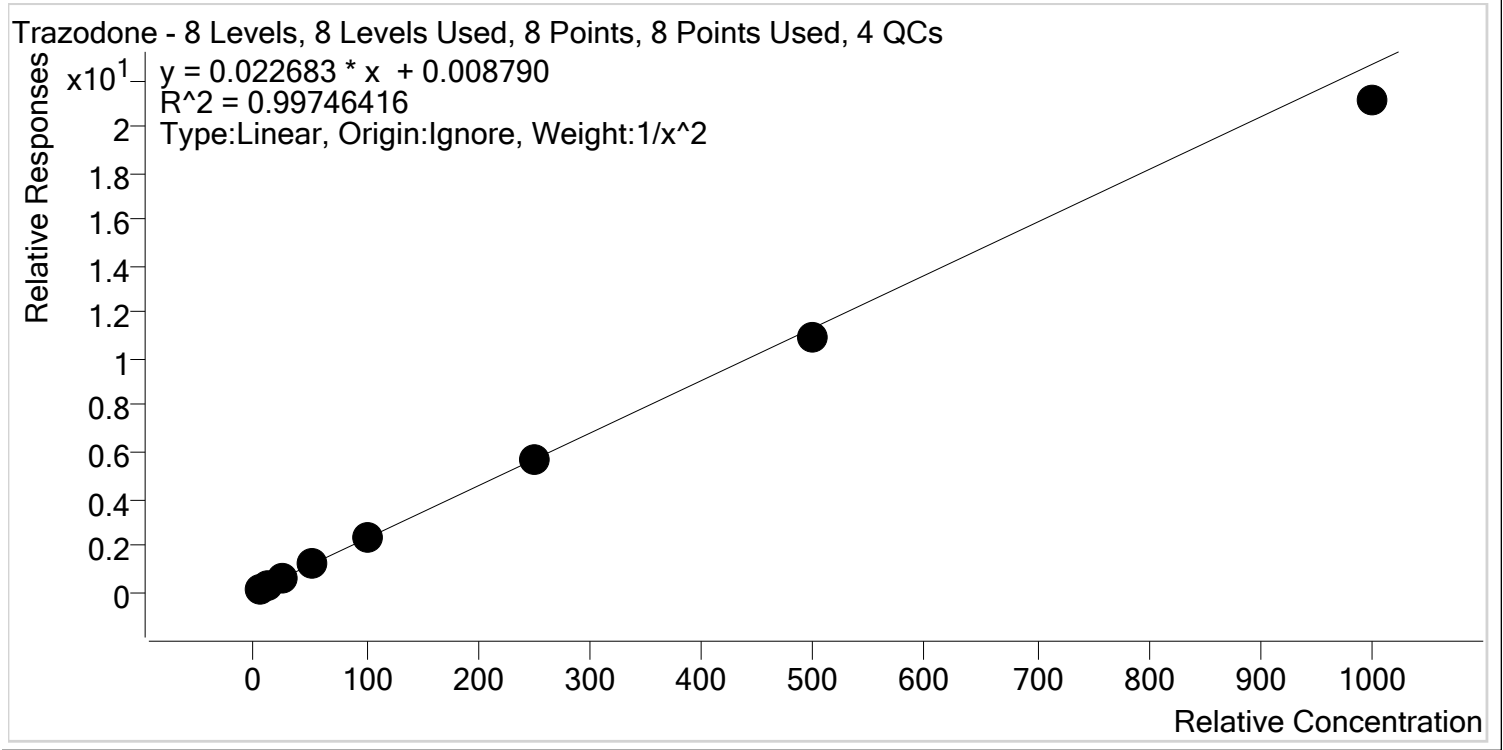
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	476.9	95.4
p1 Cal 8-1000ng	8	✓	1000.0	845.8	84.6



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	99.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	484.0	96.8
p1 Cal 8-1000ng	8	✓	1000.0	931.1	93.1

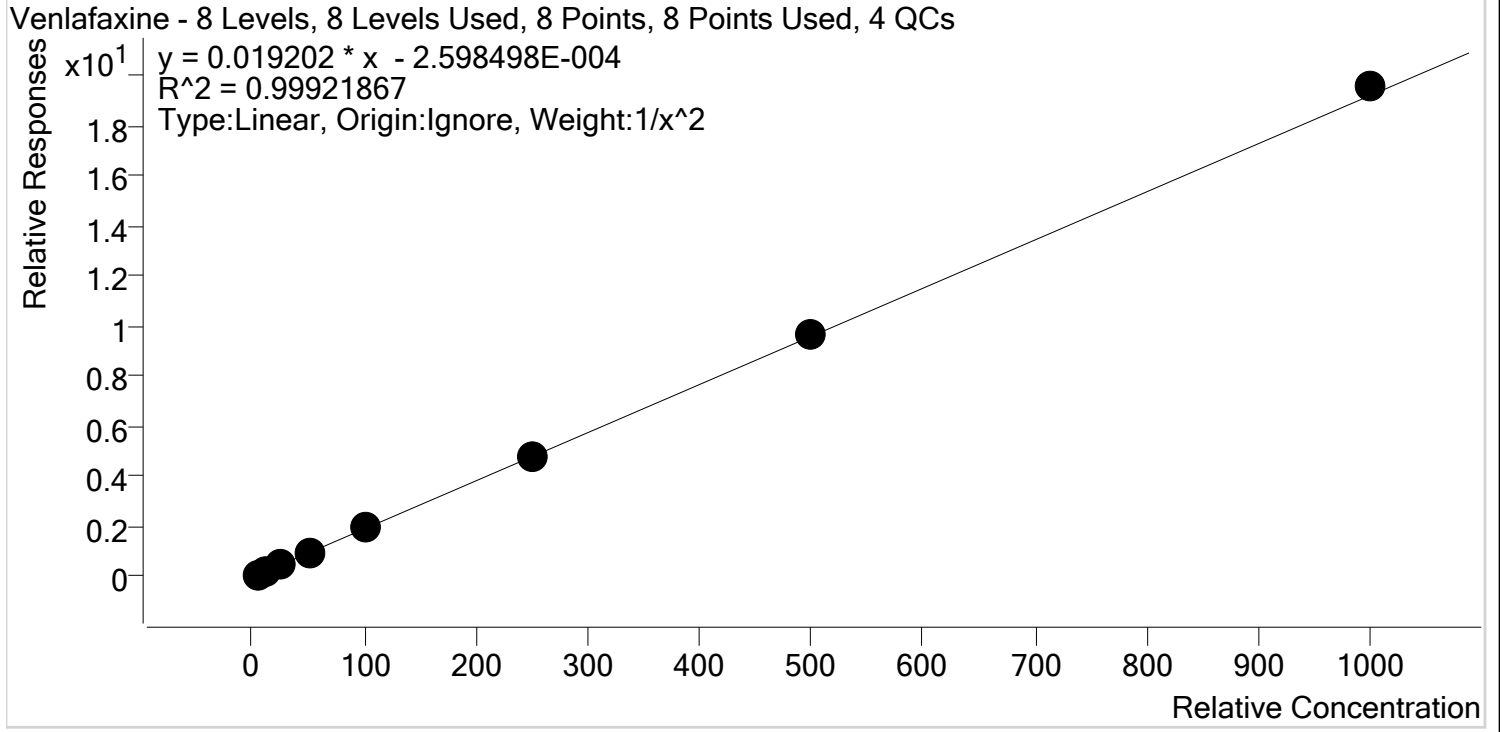




TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



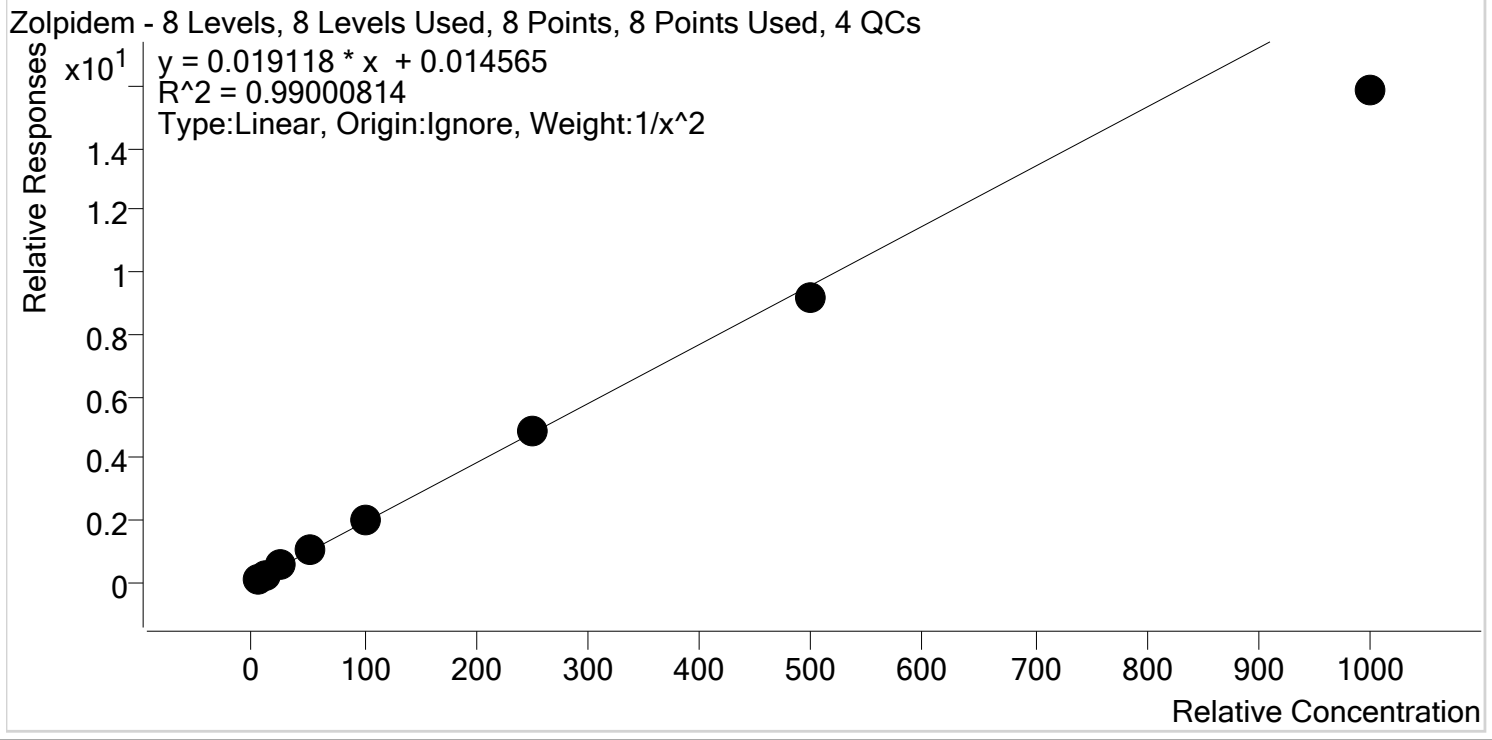
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	503.5	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1018.6	101.9

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 1/26/2021 1:03 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	4.8	97.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.6
p1 Cal 4-50ng	4	✓	50.0	55.9	111.9
p1 Cal 5-100ng	5	✓	100.0	106.5	106.5
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	477.1	95.4
p1 Cal 8-1000ng	8	✓	1000.0	828.1	82.8

TS



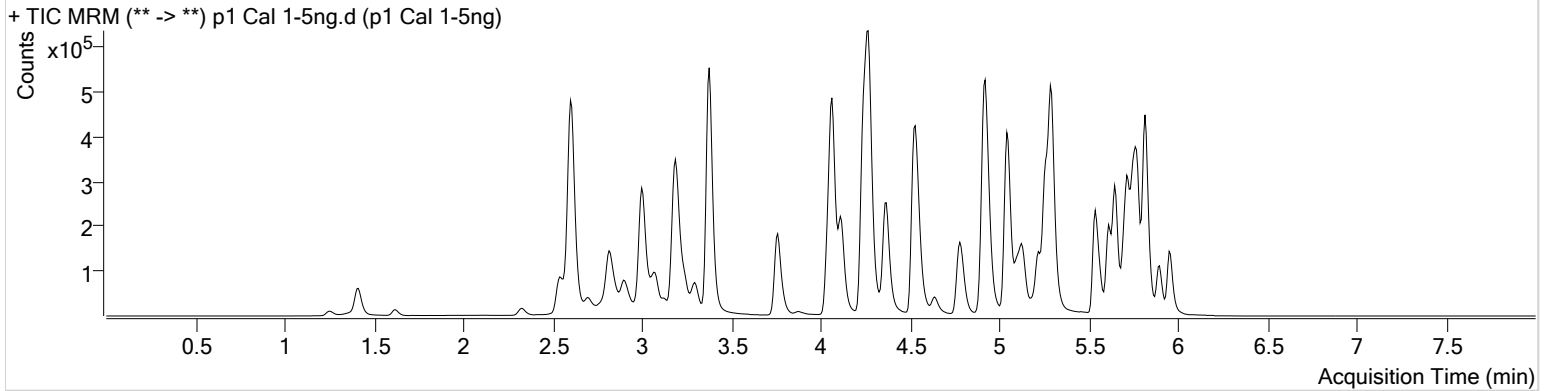
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

**Instrument** Instrument 1  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-H12  
**Injection Volume** 2  
**Acq. Date-Time** 1/22/2021 11:22:33 PM  
**Sample Info.**

**Data File** p1 Cal 1-5ng.d  
**Sample** p1 Cal 1-5ng  
**Operator** Tamara Salazar  
**Comment**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	1225	2228.15	64.3	∞	57318	0.5163 ng/ml
7-aminoclonazepam	4.278	28373	127.20	82.9	2614.12	213577	5.0073 ng/ml
a-hydroxyalprazolam	5.698	12832	198.55	59.0	409.47	87401	4.9091 ng/ml
alpha-PHP	4.943	15255	517.82	263.4	2330.24	562390	4.8119 ng/ml
alpha-PVP	4.376	62205	298.40	51.2	5499.24	562390	5.0261 ng/ml
Alprazolam	5.775	42924	1812.68	116.9	506.72	302652	5.0805 ng/ml
Amphetamine	3.076	118632	1733.69	50.6	2532.49	233580	4.8495 ng/ml
Benzoylcegonine	3.906	1959	23.14	9.7	40.55	13355	5.1984 ng/ml
Buprenorphine	5.893	876	41.21	10.7 <b>Low</b>	60.81	58975	0.6293 ng/ml
Bupropion	4.801	56886	494.89	60.4	409.68	392122	4.9907 ng/ml
Carisoprodol	5.730	40686	17185.76	55.1	124.37	404051	5.1093 ng/ml
Citalopram	5.218	30189	422.85	43.8	12205.47	276664	5.0926 ng/ml
Clonazepam	5.618	55143	1351.90	33.5	1747.63	126069	4.8731 ng/ml
Clonazepam	5.555	31046	400.58	37.6	489.51	126069	4.9525 ng/ml
Cocaine	4.270	50804	937.57	49.9	759.99	906499	5.0785 ng/ml
Codeine	2.593	6715	487.68	103.7	694.81	65498	4.7195 ng/ml
Cyclobenzaprine	5.621	23038	1913.90	9.1	72.44	183875	5.0998 ng/ml
Dextromethorphan	5.268	17598	268.90	73.8	627.25	155498	5.1214 ng/ml
Dextrophan	4.118	16229	430.68	212.4	672.48	401395	5.0211 ng/ml
Diazepam	5.959	26935	203.42	88.3	270.65	251713	4.9740 ng/ml
Dihydrocodeine	2.572	16327	103.89	65.3	226.35	193165	4.8430 ng/ml
Diphenhydramine	5.296	75613	2998.67	34.3	190.59	949415	5.0248 ng/ml
Doxylamine	4.542	128713	4629.49	97.4	∞	1086359	4.9601 ng/ml
EDDP	5.261	51427	339.24	41.2	147.81	523628	5.0672 ng/ml
Etizolam	5.819	26161	∞	25.2	8309.98	126069	4.9622 ng/ml
Fentanyl	5.116	2565	98.92	65.9	2512.76	231657	0.4936 ng/ml
Flualprazolam	5.705	19633	281.13	98.7	477.06	302652	4.9354 ng/ml
Fluoxetine	5.707	25008	5186.41	9.8	185.83	191614	4.2428 ng/ml
Hydrocodone	3.025	25713	131.53	36.5	88.62	609664	4.6797 ng/ml
Hydromorphone	1.621	21054	∞	74.6	320.45	11448	4.8978 ng/ml
Ketamine	4.058	51197	2100.29	38.2	118.01	463177	4.9066 ng/ml
Lamotrigine	4.287	5162	3330.42	78.1	7103.50	463177	4.8724 ng/ml
Levetiracetam	2.703	24262	287.47	164.2	740.63	1235136	5.2253 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	44322	∞	55.9	129.81	126069	5.0381 ng/ml
MDA	3.209	83587	1209.23	23.3	87.39	408837	4.7360 ng/ml
MDMA	3.303	48537	3820.10	75.6	1310.52	93755	4.9791 ng/ml
Meprobamate	4.931	24466	1872.94	26.0	305.70	221345	4.8104 ng/ml
Methadone	5.652	52826	1059.45	47.0	1423.31	481568	4.9708 ng/ml
Methamphetamine	3.244	79571	417.93	38.0	191.82	569169	4.7759 ng/ml
Metoprolol	4.332	11499	3240.49	86.2	929.29	1055071	4.9095 ng/ml
Mirtazapine	4.637	57203	∞	46.9	511.39	562390	5.1489 ng/ml
Mitragynine	5.243	9415	1297.23	39.9	73.89	481568	4.9455 ng/ml
Morphine	1.260	3237	541.60	25.8	∞	8153	5.0596 ng/ml
Nordiazepam	5.899	27091	323.70	57.3	230.71	181950	4.9612 ng/ml
Norfentanyl	4.092	10957	1101.03	34.4	93.59	942277	0.5134 ng/ml
Norhydrocodone	3.073	3960	176.44	40.3	∞	76742	5.1681 ng/ml
Noroxycodone	2.923	28964	691.05	43.3	1033.41	194733	4.9960 ng/ml
O-desmethyl-tramadol	3.383	106748	6615.34	6.9	629.64	1284821	5.0163 ng/ml
Oxazepam	5.756	49295	198.87	74.3	∞	394013	4.9121 ng/ml
Oxycodone	2.848	54373	1001.58	27.4	558.09	454907	4.8931 ng/ml
Oxymorphone	1.418	23954	390.94	42.2	123.72	160267	5.0417 ng/ml
Phentermine	3.796	21525	251.66	5.0	18.32	483631	4.8662 ng/ml
Promethazine	5.538	45865	360.43	27.7	168.11	383188	5.0097 ng/ml
Pseudoephedrine	2.616	130107	1913.85	16.2	4690.10	1235136	5.1085 ng/ml
Quetiapine	5.562	35303	212.83	58.0	94.69	90951	5.0584 ng/ml
Sertraline	5.775	11759	668.15	98.7	21995.37	112308	5.0148 ng/ml
Temazepam	5.823	77399	1352.00	29.3	65.57	778590	5.0799 ng/ml
Tramadol	4.252	111291	∞	3.7	88.24	1055071	4.8706 ng/ml
Trazodone	5.189	38818	5121.58	79.4	3828.89	318142	4.9917 ng/ml
Venlafaxine	5.050	90827	2470.19	40.2	437.67	934527	5.0751 ng/ml
Zolpidem	4.941	123140	7554.31	31.9	3039.44	1147980	4.8489 ng/ml

# AM #28 Multi-Drug Quant. Results

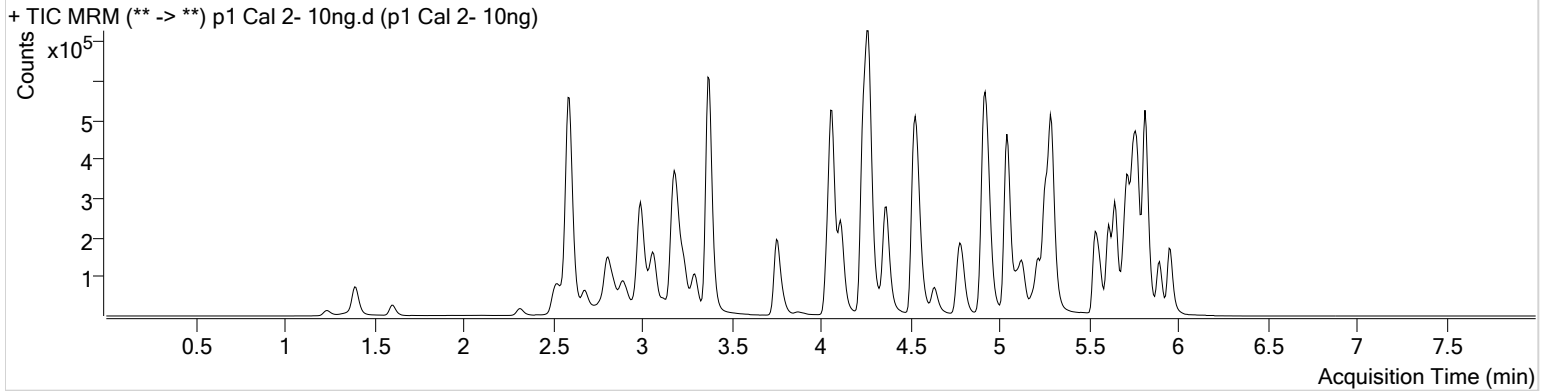
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 2- 10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2- 10ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-G12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/22/2021 11:33:17 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	2383	4459.65	81.0	7800.44	61622	0.9387 ng/ml
7-aminoclonazepam	4.278	60153	87209.17	80.5	∞	219905	10.0126 ng/ml
a-hydroxyalprazolam	5.698	26694	405.72	61.1	∞	97239	10.1624 ng/ml
alpha-PHP	4.943	29695	∞	262.6	2207.95	548270	10.3977 ng/ml
alpha-PVP	4.376	120893	531.68	52.2	990.43	548270	9.9871 ng/ml
Alprazolam	5.775	89708	587.35	114.1	471.74	323664	9.8892 ng/ml
Amphetamine	3.069	237618	2291.16	50.3	1876.39	245190	10.2573 ng/ml
Benzoylecgonine	3.899	3722	27.74	8.4	502.38	13278	9.6425 ng/ml
Buprenorphine	5.893	1444	48.36	16.2	167.08	51862	1.0317 ng/ml
Bupropion	4.794	114287	242.33	59.1	175.24	400668	10.0352 ng/ml
Carisoprodol	5.730	83455	62762.96	52.4	291.31	424466	9.8159 ng/ml
Citalopram	5.218	51902	8932.27	43.9	16143.69	244053	9.8506 ng/ml
Clonazepam	5.611	116978	5533.69	33.2	86603.05	135677	10.2301 ng/ml
Clonazepam	5.555	65067	∞	38.0	∞	135677	10.0156 ng/ml
Cocaine	4.270	101816	65280.11	51.8	16099.05	957413	9.7444 ng/ml
Codeine	2.573	13875	166.57	102.0	1813.37	66463	10.6900 ng/ml
Cyclobenzaprine	5.621	34986	6403.93	9.2	168.30	144151	9.7240 ng/ml
Dextromethorphan	5.268	28271	4539.42	79.5	∞	137178	9.5669 ng/ml
Dextrophan	4.118	32286	4788.45	209.9	2140.31	402204	9.9583 ng/ml
Diazepam	5.959	56656	2943.55	88.4	340.53	264948	10.0385 ng/ml
Dihydrocodeine	2.552	34547	755.36	63.8	2847.43	204720	10.1707 ng/ml
Diphenhydramine	5.296	141271	7525.86	33.5	387.11	873319	9.9905 ng/ml
Doxylamine	4.542	267713	17140.74	97.7	∞	1162721	9.9770 ng/ml
EDDP	5.261	88630	3392.84	43.6	1888.25	470443	9.7326 ng/ml
Etizolam	5.819	56952	1116.63	24.0	444.60	135677	10.2781 ng/ml
Fentanyl	5.116	4195	226.08	70.0	2761.35	183527	1.0602 ng/ml
Flualprazolam	5.705	42218	1163.82	96.7	1058.66	323664	10.1374 ng/ml
Fluoxetine	5.707	38048	11930.18	9.3	486.79	153583	9.3103 ng/ml
Hydrocodone	3.018	54007	182.61	36.2	113.89	615484	10.7667 ng/ml
Hydromorphone	1.608	43313	1546.23	76.9	1862.12	12064	10.1600 ng/ml
Ketamine	4.058	103350	758.62	38.2	705.70	481831	10.1611 ng/ml
Lamotrigine	4.287	10311	1134.36	79.1	11178.97	481831	10.2293 ng/ml
Levetiracetam	2.683	48172	1197.19	160.7	687.31	1306559	9.4504 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	87381	∞	57.1	274.14	135677	9.8371 ng/ml
MDA	3.209	170341	4037.54	23.5	432.89	424099	10.4389 ng/ml
MDMA	3.303	96086	∞	79.1	4223.79	95625	9.9339 ng/ml
Meprobamate	4.931	49569	810.09	27.5	427.20	226597	10.3625 ng/ml
Methadone	5.652	95531	1015.55	43.6	2593.64	414208	10.2647 ng/ml
Methamphetamine	3.237	162947	1314.51	38.4	469.56	607660	10.5335 ng/ml
Metoprolol	4.332	23311	1193.39	87.9	993.56	1120054	10.0075 ng/ml
Mirtazapine	4.637	107591	1008.98	48.0	1069.58	548270	9.7298 ng/ml
Mitragynine	5.243	15597	572.50	39.1	8363.22	414208	10.3325 ng/ml
Morphine	1.246	5962	7189.62	27.8	616.21	7966	9.7778 ng/ml
Nordiazepam	5.899	57469	2744.69	58.8	1725.73	191928	10.1054 ng/ml
Norfentanyl	4.086	22885	110.00	33.2	267.06	988731	0.9811 ng/ml
Norhydrocodone	3.066	7648	132.32	45.2	110.82	78021	9.6265 ng/ml
Noroxycodone	2.909	57994	661.87	43.2	915.45	203421	9.8365 ng/ml
O-desmethyl-tramadol	3.376	223021	1359.21	6.9	554.87	1358547	9.9805 ng/ml
Oxazepam	5.756	102433	4519.65	70.4	591.72	411956	10.0294 ng/ml
Oxycodone	2.834	110560	1149.26	26.1	915.00	458010	10.3034 ng/ml
Oxymorphone	1.398	46271	277.77	44.7	416.65	167845	9.7486 ng/ml
Phentermine	3.789	46020	∞	4.5	90.82	522054	10.2391 ng/ml
Promethazine	5.538	70010	2158.53	28.1	459.85	297398	9.9959 ng/ml
Pseudoephedrine	2.603	268573	1333.95	16.2	421.92	1306559	9.7630 ng/ml
Quetiapine	5.562	63410	1558.87	57.4	∞	86839	9.7686 ng/ml
Sertraline	5.775	18471	292.16	97.8	34990.69	87651	10.0953 ng/ml
Temazepam	5.823	158710	∞	31.3	404.44	802330	9.8087 ng/ml
Tramadol	4.252	228795	22029.43	3.7	313.54	1120054	10.1051 ng/ml
Trazodone	5.189	64096	∞	81.3	39478.45	275271	9.8779 ng/ml
Venlafaxine	5.043	178937	2525.98	41.8	280.62	949029	9.8328 ng/ml
Zolpidem	4.941	247913	∞	31.4	5573.71	1189205	10.1425 ng/ml

# AM #28 Multi-Drug Quant. Results

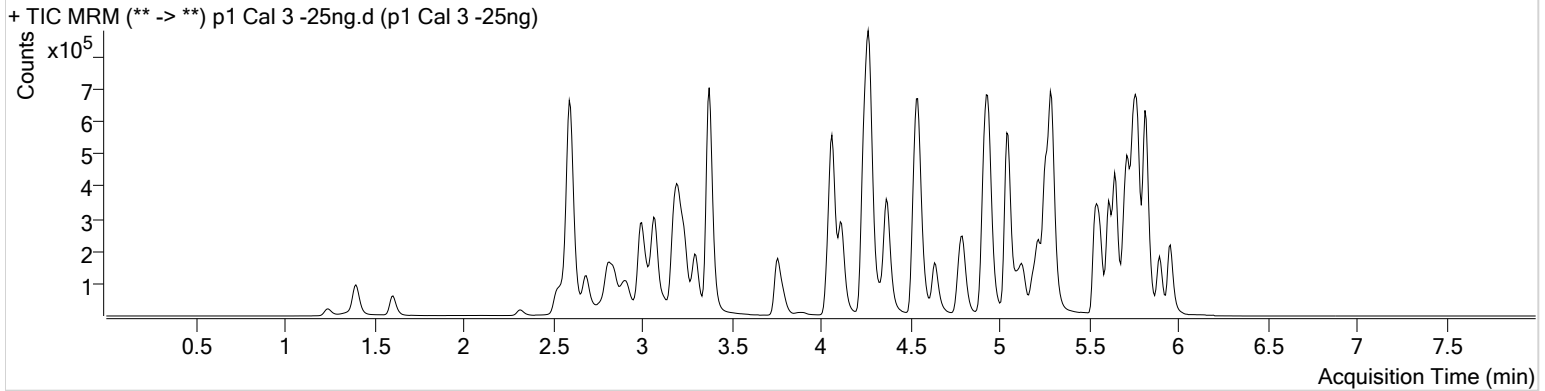
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 3 -25ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 3 -25ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-F12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/22/2021 11:43:53 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	5703	6753.18	71.7	851.34	56767	2.4471 ng/ml
7-aminoclonazepam	4.278	136391	9857.59	78.9	8248.02	200301	24.5056 ng/ml
a-hydroxyalprazolam	5.698	58958	588.67	60.6	809.06	89292	26.0305 ng/ml
alpha-PHP	4.943	67150	4076.80	263.6	20119.52	519300	25.9237 ng/ml
alpha-PVP	4.376	275435	820.33	53.2	568.08	519300	23.9776 ng/ml
Alprazolam	5.775	191424	∞	116.4	∞	298095	22.8580 ng/ml
Amphetamine	3.076	507647	5075.98	51.1	2854.70	219299	26.0358 ng/ml
Benzoylecgonine	3.906	8481	68.72	8.7	305.56	12785	22.3814 ng/ml
Buprenorphine	5.893	3937	726.49	15.8	∞	55400	2.3706 ng/ml
Bupropion	4.801	254869	7792.93	60.3	655.91	375731	24.1821 ng/ml
Carisoprodol	5.730	178969	75360.13	56.1	2113.71	383975	23.0391 ng/ml
Citalopram	5.218	135386	1007.08	45.5	84039.63	267499	23.3346 ng/ml
Clonazepam	5.611	251102	7703.18	32.9	∞	124909	24.7091 ng/ml
Clonazepam	5.555	144530	3180.49	37.2	1657.68	124909	24.7183 ng/ml
Cocaine	4.270	231038	97924.85	52.1	1173.60	884390	24.1124 ng/ml
Codeine	2.580	30541	695.90	102.8	433.91	63441	26.0114 ng/ml
Cyclobenzaprine	5.621	102643	488.97	9.6	138.92	170511	23.8735 ng/ml
Dextromethorphan	5.268	75958	7651.54	79.9	1111818.44	149006	24.0959 ng/ml
Dextrophan	4.118	74731	3696.99	206.9	31226.18	381461	24.2876 ng/ml
Diazepam	5.959	123367	10370.41	87.6	675.82	238649	24.4077 ng/ml
Dihydrocodeine	2.559	80497	∞	61.3	2178.41	188098	26.5660 ng/ml
Diphenhydramine	5.296	363313	6375.28	33.2	∞	921521	24.0485 ng/ml
Doxylamine	4.542	604811	35171.16	97.9	42840.90	1081030	24.7552 ng/ml
EDDP	5.261	226402	170.23	42.7	1158.89	479854	24.3943 ng/ml
Etizolam	5.819	119658	867.48	24.8	1324.26	124909	23.7578 ng/ml
Fentanyl	5.116	10099	321.13	69.3	10680.52	209613	2.2773 ng/ml
Flualprazolam	5.705	93334	912.37	97.3	∞	298095	24.6296 ng/ml
Fluoxetine	5.707	110100	17882.74	9.2	252.49	187398	23.9993 ng/ml
Hydrocodone	3.025	121518	107.24	37.6	118.78	588304	26.6361 ng/ml
Hydromorphone	1.608	98665	583.95	75.8	1980.55	11212	25.8154 ng/ml
Ketamine	4.058	226872	12909.64	38.2	322.10	446343	25.0104 ng/ml
Lamotrigine	4.287	22559	1929.77	80.6	42033.94	446343	25.4521 ng/ml
Levetiracetam	2.690	110314	2970.53	159.1	5702.78	1206741	22.8289 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	188379	∞	58.0	373.50	124909	24.0158 ng/ml
MDA	3.209	384266	8247.08	23.6	251.87	397642	26.7695 ng/ml
MDMA	3.303	219761	58970.93	76.8	4083.84	87741	25.1895 ng/ml
Meprobamate	4.931	113780	154211.20	26.7	817.19	213052	26.5381 ng/ml
Methadone	5.652	253316	6459.67	44.9	29081.42	469073	23.8082 ng/ml
Methamphetamine	3.237	322425	1759.24	40.4	715.90	525475	26.0286 ng/ml
Metoprolol	4.332	53577	∞	87.4	1432.30	1037458	25.8606 ng/ml
Mirtazapine	4.637	262754	11170.04	48.1	43631.14	519300	24.7409 ng/ml
Mitragynine	5.243	41348	62903.95	38.6	195.18	469073	25.3581 ng/ml
Morphine	1.246	14253	545.19	26.5	692.95	7786	24.3104 ng/ml
Norbuprenorphine	4.999	589	96.46	88.3	1009.09	8729	2.6551 ng/ml
Nordiazepam	5.899	124342	905.57	59.4	47079.08	172475	24.5085 ng/ml
Norfentanyl	4.092	50535	5814.34	34.0	1323.11	903785	2.3120 ng/ml
Norhydrocodone	3.073	17156	1418.49	42.2	682.84	70842	23.4707 ng/ml
Noroxycodone	2.916	133496	1447.91	42.9	528.64	188334	24.8780 ng/ml
O-desmethyl-tramadol	3.383	499208	34624.63	6.9	3414.46	1263856	24.1136 ng/ml
Oxazepam	5.756	228774	798.00	71.7	∞	370969	25.2743 ng/ml
Oxycodone	2.841	249808	2066.61	27.1	1207.74	443517	24.5923 ng/ml
Oxymorphone	1.398	104108	592.66	42.3	∞	155778	24.3910 ng/ml
Phentermine	3.796	98426	130.01	4.4	87.56	463169	25.5477 ng/ml
Promethazine	5.538	203573	1308.59	28.4	1714.22	358937	24.2907 ng/ml
Pseudoephedrine	2.603	606819	2838.83	16.6	∞	1206741	23.5705 ng/ml
Quetiapine	5.562	165548	19960.27	58.1	438.87	91709	24.5709 ng/ml
Sertraline	5.775	52275	890.55	101.5	2892.29	105332	23.7780 ng/ml
Temazepam	5.823	349181	8190.79	29.7	314.09	712121	23.8667 ng/ml
Tramadol	4.252	524542	102863.19	3.5	289.66	1037458	26.0715 ng/ml
Trazodone	5.189	173391	2452.30	80.3	473.98	302343	24.8958 ng/ml
Venlafaxine	5.050	410131	3650.40	40.8	1943.19	898414	23.7878 ng/ml
Zolpidem	4.941	561912	56406.22	30.5	1388.69	1092158	26.1500 ng/ml



# AM #28 Multi-Drug Quant. Results

TS

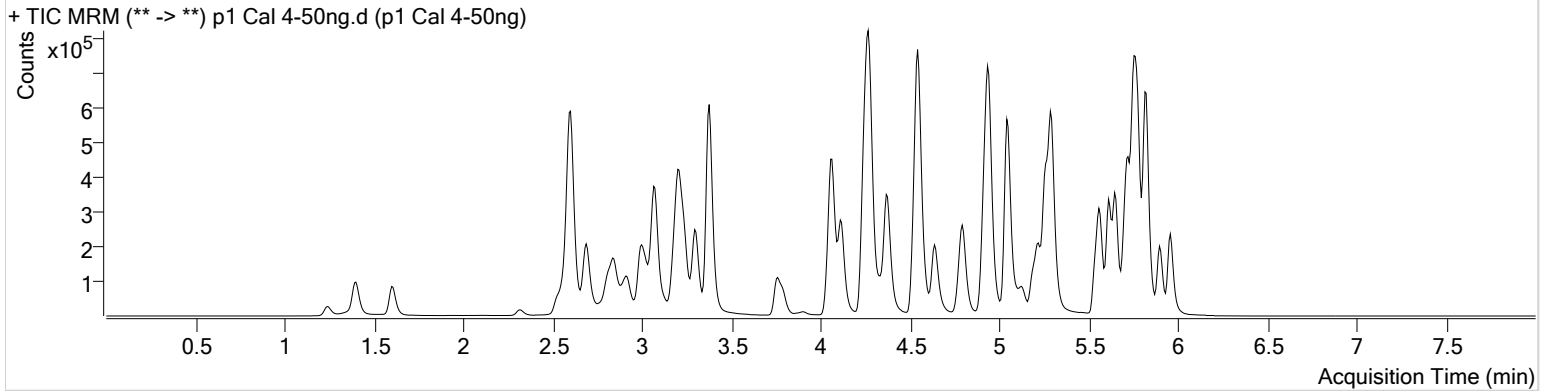


**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

**Instrument** Instrument 1  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-E12  
**Injection Volume** 2  
**Acq. Date-Time** 1/22/2021 11:54:29 PM  
**Sample Info.**

**Data File** p1 Cal 4-50ng.d  
**Sample** p1 Cal 4-50ng  
**Operator** Tamara Salazar  
**Comment**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	7861	7175.28	72.4	4448.71	37426	5.1217 ng/ml
7-aminoclonazepam	4.278	181477	21029.92	79.8	4169.67	128018	50.7125 ng/ml
a-hydroxyalprazolam	5.698	86451	555.99	57.6	618.12	64759	53.7840 ng/ml
alpha-PHP	4.943	96384	15125.96	264.8	5608.01	330541	59.4532 ng/ml
alpha-PVP	4.376	383113	25364.12	52.5	368.50	330541	52.3582 ng/ml
Alprazolam	5.775	283373	810.22	114.1	1061.95	191369	52.6548 ng/ml
Amphetamine	3.076	651690	∞	51.0	7618.66	137822	54.3348 ng/ml
Benzoylecgonine	3.906	12952	1801.60	8.8	94.88	8878	48.8342 ng/ml
Buprenorphine	5.893	4434	172.55	15.5	455.05	28758	4.9460 ng/ml
Bupropion	4.794	343845	32503.22	61.4	338.39	232981	52.8842 ng/ml
Carisoprodol	5.730	258053	49236.00	52.5	249.39	246242	51.5909 ng/ml
Citalopram	5.218	174111	871.12	45.2	1404.54	156139	51.3171 ng/ml
Clonazepam	5.611	374584	10171.30	33.1	213853.79	82531	56.5959 ng/ml
Clonazepam	5.555	207571	1663.01	35.8	13785.25	82531	54.1884 ng/ml
Cocaine	4.270	328762	29830.37	50.3	1508.81	582430	52.2396 ng/ml
Codeine	2.586	41803	582.86	104.6	2626.94	40420	57.0763 ng/ml
Cyclobenzaprine	5.621	65639	559.15	8.6	∞	50273	51.5873 ng/ml
Dextromethorphan	5.268	84990	∞	79.4	12618.08	77232	52.3574 ng/ml
Dextrophan	4.118	108952	560.64	206.7	813.64	259299	52.0790 ng/ml
Diazepam	5.959	184143	681.94	87.4	2603.88	161939	53.8087 ng/ml
Dihydrocodeine	2.559	108690	733.57	63.2	3750.87	122885	55.4440 ng/ml
Diphenhydramine	5.296	470214	6179.25	33.3	6109.82	551440	51.7697 ng/ml
Doxylamine	4.542	865018	∞	98.1	51940.68	704536	54.7538 ng/ml
EDDP	5.261	306894	917.28	43.4	1114.08	303666	52.2682 ng/ml
Etizolam	5.819	172496	1750.64	25.3	3260.44	82531	52.1124 ng/ml
Fentanyl	5.116	7771	106.14	71.4	∞	74040	5.0069 ng/ml
Flualprazolam	5.705	129014	2007.65	99.2	1369.05	191369	53.2750 ng/ml
Fluoxetine	5.707	59031	10726.90	9.1	291.56	46307	53.7096 ng/ml
Hydrocodone	3.025	166284	633.09	37.8	179.45	395852	55.1544 ng/ml
Hydromorphone	1.601	136085	1182.00	75.4	1183.39	7762	52.0570 ng/ml
Ketamine	4.058	322332	1652.43	38.9	398.89	293644	54.8008 ng/ml
Lamotrigine	4.287	32259	3583.04	79.9	7392.29	293644	56.4365 ng/ml
Levetiracetam	2.690	204355	1217.24	160.5	9426.05	749182	67.3106 ng/ml

# AM #28 Multi-Drug Quant. Results

TS



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	285296	1536.10	57.8	∞	82531	55.9919 ng/ml
MDA	3.209	566923	17665.90	23.3	392.71	281588	57.0458 ng/ml
MDMA	3.303	320738	119314.71	77.6	10747.60	61397	52.8497 ng/ml
Meprobamate	4.931	150874	322.04	27.4	5131.48	138346	55.0883 ng/ml
Methadone	5.652	288889	1364.00	44.4	1098.74	245171	51.7480 ng/ml
Methamphetamine	3.237	307146	480.70	39.6	463.75	244006	54.9693 ng/ml
Metoprolol	4.332	74229	∞	90.2	1990.36	685310	55.0014 ng/ml
Mirtazapine	4.637	342118	6900.48	46.9	30466.92	330541	50.3804 ng/ml
Mitragynine	5.243	38315	4107.29	40.9	9743.42	245171	45.6319 ng/ml
Morphine	1.246	20975	663.16	26.4	3309.64	5407	51.8179 ng/ml
Norbuprenorphine	4.999	525	328.47	116.3	798.10	5099	4.3861 ng/ml
Nordiazepam	5.899	185016	712.18	58.6	1810.31	119818	52.6387 ng/ml
Norfentanyl	4.086	69843	288.18	34.8	496.56	581233	4.9213 ng/ml
Norhydrocodone	3.066	24321	355.52	41.1	93.55	47573	49.3141 ng/ml
Noroxycodone	2.916	187980	1470.94	42.2	640.35	121053	54.8399 ng/ml
O-desmethyl-tramadol	3.376	699906	140752.39	6.7	15336.27	819451	52.2252 ng/ml
Oxazepam	5.756	341067	4111.71	72.6	4618.09	250835	56.0521 ng/ml
Oxycodone	2.841	340732	2480.05	26.9	2353.49	275409	54.5126 ng/ml
Oxymorphone	1.398	149457	∞	41.6	659.08	100844	54.7382 ng/ml
Phentermine	3.789	128022	836.62	4.2	102.21	282036	55.2672 ng/ml
Promethazine	5.538	132249	606.53	28.3	3589.02	108928	52.1674 ng/ml
Pseudoephedrine	2.603	818914	8887.76	16.4	10405.95	749182	50.9821 ng/ml
Quetiapine	5.562	212261	192.48	59.1	362.02	56539	51.4103 ng/ml
Sertraline	5.775	27205	477.67	100.1	2761.32	25717	50.6856 ng/ml
Temazepam	5.823	520422	2248.18	29.7	857.93	486285	51.7328 ng/ml
Tramadol	4.252	718984	46527.88	3.8	1055.29	685310	54.8713 ng/ml
Trazodone	5.189	178376	24095.88	80.3	∞	146671	53.2291 ng/ml
Venlafaxine	5.043	603166	19335.76	40.5	2454.64	611392	51.3916 ng/ml
Zolpidem	4.941	781709	51391.65	31.0	4281.05	721070	55.9440 ng/ml

TS



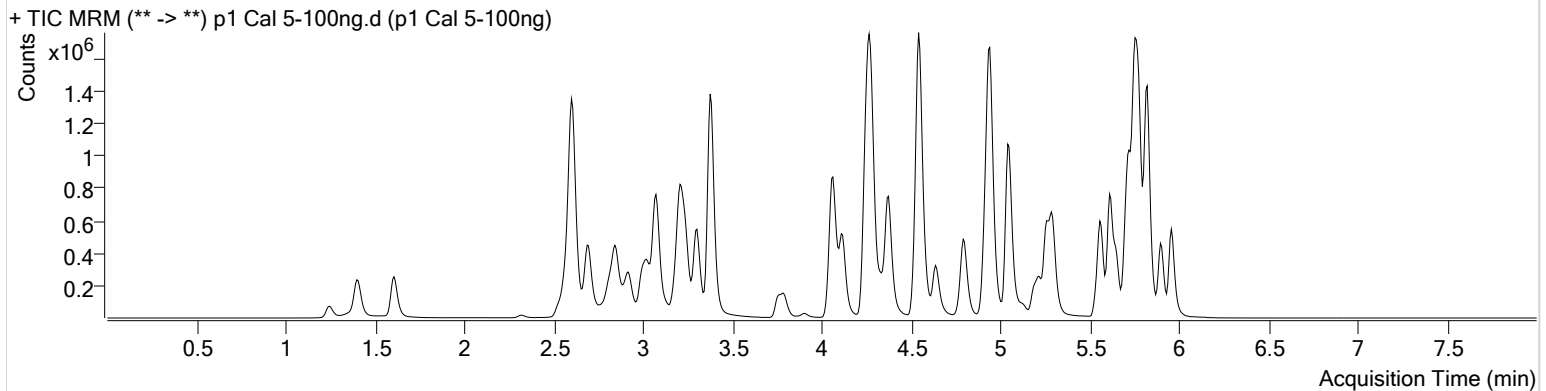
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

**Instrument** Instrument 1  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-D12  
**Injection Volume** 2  
**Acq. Date-Time** 1/23/2021 12:05:09 AM  
**Sample Info.**

**Data File** p1 Cal 5-100ng.d  
**Sample** p1 Cal 5-100ng  
**Operator** Tamara Salazar  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	23530	∞	71.0	913.47	57308	10.0173 ng/ml
7-aminoclonazepam	4.278	536325	86151.11	79.5	19629.21	189246	101.1024 ng/ml
a-hydroxyalprazolam	5.698	230059	929.62	58.3	1048.40	105579	88.5043 ng/ml
alpha-PHP	4.943	189494	1779.38	265.2	∞	447765	86.6436 ng/ml
alpha-PVP	4.376	974291	40094.55	53.8	691.90	447765	98.2640 ng/ml
Alprazolam	5.775	810301	4811.40	111.9	2077.45	283213	101.6997 ng/ml
Amphetamine	3.076	1343793	15082.43	50.4	24524.37	148334	105.1110 ng/ml
Benzoylcegonine	3.906	39316	4950.80	8.6	9171.42	12997	100.9201 ng/ml
Buprenorphine	5.893	5833	540.71	13.9	832.98	20254	9.0928 ng/ml
Bupropion	4.801	715252	885.94	61.0	1185.16	249777	102.8266 ng/ml
Carisoprodol	5.730	719859	1283997.56	53.3	4777.57	354187	99.8976 ng/ml
Citalopram	5.218	237454	3866.05	43.9	∞	110416	98.8949 ng/ml
Clonazepam	5.611	1075804	6423.15	33.0	915.42	124201	108.5925 ng/ml
Clonazepam	5.555	608944	2077.32	37.4	1873.92	124201	106.0062 ng/ml
Cocaine	4.270	850659	∞	51.9	61586.90	787782	100.0432 ng/ml
Codeine	2.586	118926	546.80	102.8	11481.29	62883	105.2369 ng/ml
Cyclobenzaprine	5.621	86539	260.21	9.1	848.28	34526	98.8813 ng/ml
Dextromethorphan	5.268	105469	∞	80.0	2411.70	50263	100.0990 ng/ml
Dextrophan	4.118	255775	31834.08	208.2	8223.52	317085	99.9697 ng/ml
Diazepam	5.959	506693	∞	87.3	3433.25	235683	101.8218 ng/ml
Dihydrocodeine	2.565	327160	252.79	62.6	3784.55	198331	103.8382 ng/ml
Diphenhydramine	5.296	624146	899.30	33.5	12551.49	377441	100.1994 ng/ml
Doxylamine	4.542	2192073	169569.45	97.5	230467.40	948853	103.3422 ng/ml
EDDP	5.261	581424	954.58	42.3	504.53	295368	101.8192 ng/ml
Etizolam	5.819	495312	13917.07	24.6	3108.70	124201	99.6464 ng/ml
Fentanyl	5.116	10965	54.06	64.9	8370.02	52318	10.0369 ng/ml
Flualprazolam	5.705	377243	1118.86	98.1	3489.40	283213	105.4670 ng/ml
Fluoxetine	5.707	71955	1351.55	9.4	182.92	29946	102.4754 ng/ml
Hydrocodone	3.025	497005	∞	37.2	348.65	601790	109.3584 ng/ml
Hydromorphone	1.608	409176	967.98	75.1	983.71	11679	104.6597 ng/ml
Ketamine	4.058	889277	50013.28	38.5	551.49	430127	103.8162 ng/ml
Lamotrigine	4.287	84381	2925.23	82.6	∞	430127	101.5284 ng/ml
Levetiracetam	2.697	446816	12863.34	162.5	∞	1106272	99.4714 ng/ml

# AM #28 Multi-Drug Quant. Results

TS



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	708103	2135.86	58.6	∞	124201	92.8196 ng/ml
MDA	3.209	1242719	29395.49	23.3	769.47	325608	109.1952 ng/ml
MDMA	3.303	756140	9639.28	77.0	5963.65	75743	101.2563 ng/ml
Meprobamate	4.931	431887	43706.99	26.4	5456.51	215753	101.8365 ng/ml
Methadone	5.652	328372	6294.54	44.1	2847.76	147228	97.7997 ng/ml
Methamphetamine	3.244	700617	3337.78	39.7	2648.40	304436	101.7375 ng/ml
Metoprolol	4.332	200165	53485.48	88.7	∞	997357	102.5049 ng/ml
Mirtazapine	4.637	513999	42980.11	47.7	14262.52	447765	55.8518 ng/ml
Mitragynine	5.243	48927	3778.78	39.8	∞	147228	98.0177 ng/ml
Morphine	1.246	62108	950.95	25.7	548.65	8123	102.3981 ng/ml
Norbuprenorphine	4.999	786	85.09	103.2	1682.10	3622	9.9604 ng/ml
Nordiazepam	5.899	504080	1356.17	58.7	1236.01	165244	104.1142 ng/ml
Norfentanyl	4.092	197273	46929.51	34.0	645.26	838757	9.5931 ng/ml
Norhydrocodone	3.073	63355	225.98	43.1	195.93	62619	97.3852 ng/ml
Noroxycodone	2.916	530606	1239.10	41.7	∞	182849	102.7267 ng/ml
O-desmethyl-tramadol	3.383	2139742	10315.20	6.8	1735.73	1293761	101.1941 ng/ml
Oxazepam	5.756	881001	∞	73.4	∞	344086	105.7863 ng/ml
Oxycodone	2.841	1048012	1819.87	27.2	4220.38	452611	102.3846 ng/ml
Oxymorphone	1.405	432732	724.18	42.5	1157.85	160535	99.9934 ng/ml
Phentermine	3.796	293560	5089.53	4.3	497.00	343535	104.5838 ng/ml
Promethazine	5.538	171704	33145.87	29.1	663.05	73821	100.0768 ng/ml
Pseudoephedrine	2.610	2356869	10708.29	16.3	1264.03	1106272	99.1613 ng/ml
Quetiapine	5.562	307097	93784.06	58.3	233.54	41793	100.8992 ng/ml
Sertraline	5.775	36017	770.37	100.7	480.22	16774	102.8831 ng/ml
Temazepam	5.823	1419392	31342.81	28.8	677.20	691377	98.9626 ng/ml
Tramadol	4.252	2023787	96098.12	3.7	1557.47	997357	106.7984 ng/ml
Trazodone	5.189	267965	34197.42	80.2	44127.05	111319	105.7370 ng/ml
Venlafaxine	5.043	1454078	1249.98	40.9	988.04	753338	100.5350 ng/ml
Zolpidem	4.941	2231528	114839.49	30.9	72135.46	1088429	106.4795 ng/ml

TS



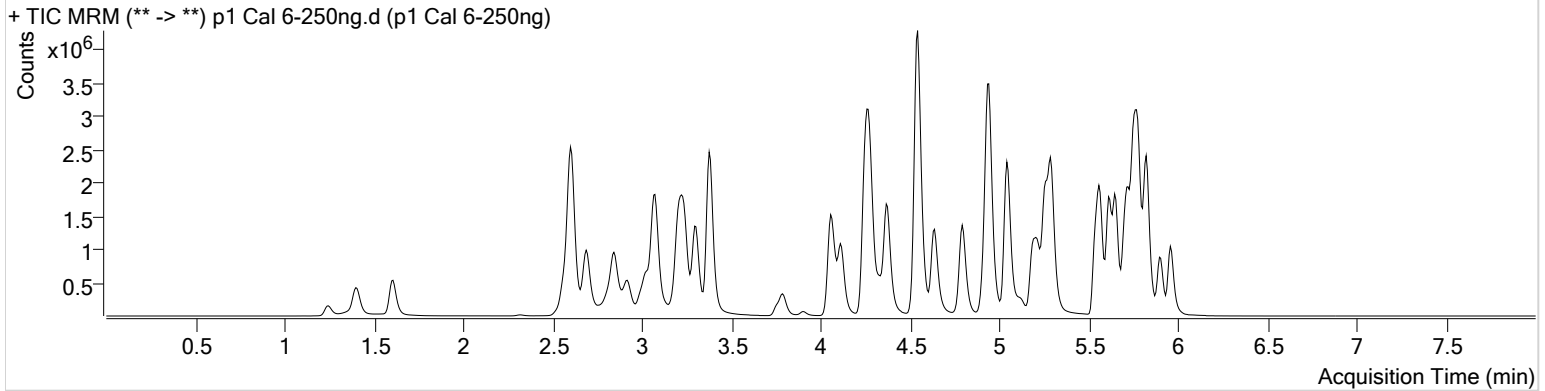
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

**Instrument** Instrument 1  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-C12  
**Injection Volume** 2  
**Acq. Date-Time** 1/23/2021 12:15:45 AM  
**Sample Info.**

**Data File** p1 Cal 6-250ng.d  
**Sample** p1 Cal 6-250ng  
**Operator** Tamara Salazar  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	58701	2683.00	71.8	13761.32	58811	24.3593 ng/ml
7-aminoclonazepam	4.278	1022198	28872.40	81.5	44787.83	147806	246.3139 ng/ml
a-hydroxyalprazolam	5.698	412647	∞	60.2	493.01	117455	143.3875 ng/ml
alpha-PPH	4.943	511722	4973.20	262.2	12878.97	465464	226.3478 ng/ml
alpha-PVP	4.376	2524032	55985.66	52.7	4742.04	465464	244.8375 ng/ml
Alprazolam	5.775	1714848	∞	111.2	∞	239503	254.4464 ng/ml
Amphetamine	3.076	3554254	56979.51	51.2	21201.30	175012	237.0071 ng/ml
Benzoylcegonine	3.899	102664	12497.36	7.8	∞	13858	246.6881 ng/ml
Buprenorphine	5.893	30411	686.25	14.5	6587.04	39311	24.1396 ng/ml
Bupropion	4.794	2168615	165428.95	60.9	11739.44	316328	246.4960 ng/ml
Carisoprodol	5.730	1353047	8030.08	53.6	1566.53	272894	243.4602 ng/ml
Citalopram	5.218	1114557	44585.21	44.1	2200.45	207209	247.2372 ng/ml
Clonazepam	5.611	2116016	60806.51	33.4	2375.82	106252	250.5104 ng/ml
Clonazepam	5.555	1252230	2545.47	37.7	19335.17	106252	255.3662 ng/ml
Cocaine	4.264	1957385	149035.63	51.5	97406.95	742497	244.4148 ng/ml
Codeine	2.580	237942	426.23	103.2	15681.65	57850	230.0946 ng/ml
Cyclobenzaprine	5.621	873814	751.14	9.1	530.50	137278	250.8582 ng/ml
Dextromethorphan	5.268	589035	13578.43	80.1	8712.05	114516	245.8016 ng/ml
Dextrophan	4.118	656876	36863.08	210.6	1895.43	337032	241.5296 ng/ml
Diazepam	5.959	1137041	7382.81	86.7	10352.91	217567	247.6603 ng/ml
Dihydrocodeine	2.559	729637	12468.19	64.3	553.41	194238	237.1048 ng/ml
Diphenhydramine	5.296	2920804	86605.69	33.4	518.87	733363	241.0360 ng/ml
Doxylamine	4.542	5803806	195251.67	97.0	319920.77	1009576	257.6884 ng/ml
EDDP	5.261	1957410	1150.17	42.6	35057.11	420282	240.9206 ng/ml
Etizolam	5.819	1040322	4406.73	24.9	2102.35	106252	244.9889 ng/ml
Fentanyl	5.116	96247	876.20	68.6	43196.52	183873	25.1247 ng/ml
Flualprazolam	5.705	774334	9414.28	98.2	9537.82	239503	256.2937 ng/ml
Fluoxetine	5.707	659608	19482.47	9.1	3261.42	115427	245.6394 ng/ml
Hydrocodone	3.025	1093322	∞	40.1	633.89	608411	239.0720 ng/ml
Hydromorphone	1.608	925025	591.76	74.5	5337.26	10915	254.0569 ng/ml
Ketamine	4.058	2152489	80804.88	38.6	∞	439581	246.8132 ng/ml
Lamotrigine	4.287	177622	33596.29	82.0	485499.75	439581	210.1262 ng/ml
Levetiracetam	2.690	1012371	39959.71	159.5	30726.72	1035928	240.1027 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	1222973	2101.33	57.6	2388.02	106252	188.1358 ng/ml
MDA	3.209	2782209	113653.90	22.8	1866.18	320436	249.9126 ng/ml
MDMA	3.303	1929739	308301.83	77.3	33841.13	78196	250.7315 ng/ml
Meprobamate	4.924	763675	970.84	26.0	9279.26	190313	205.0054 ng/ml
Methadone	5.652	2058158	4299.94	45.2	1081.00	370299	243.4653 ng/ml
Methamphetamine	3.237	2335728	7667.75	39.2	1026.58	412284	252.6359 ng/ml
Metoprolol	4.332	476853	∞	89.9	10395.01	952973	256.6078 ng/ml
Mirtazapine	4.637	2261900	∞	47.0	191134.10	465464	235.7254 ng/ml
Mitragynine	5.243	325652	33023.87	41.0	15943.16	370299	260.8220 ng/ml
Morphine	1.246	140828	943.19	26.4	655.51	7584	249.0804 ng/ml
Norbuprenorphine	4.992	3746	906.05	98.4	15652.46	7336	24.3210 ng/ml
Nordiazepam	5.906	1108589	∞	58.6	1260.86	155306	243.7919 ng/ml
Norfentanyl	4.086	494248	62250.36	34.0	4090.39	800889	25.1042 ng/ml
Norhydrocodone	3.073	121406	185.11	41.7	61.04	49101	237.6890 ng/ml
Noroxycodone	2.916	1129354	922.95	42.5	934.82	165166	242.4390 ng/ml
O-desmethyl-tramadol	3.376	4945506	195731.88	7.0	124513.44	1226245	246.8655 ng/ml
Oxazepam	5.756	1631809	∞	74.0	∞	268650	251.3297 ng/ml
Oxycodone	2.841	2515285	4357.94	27.2	3593.45	450625	247.3946 ng/ml
Oxymorphone	1.398	947628	499.67	42.4	∞	141483	249.2484 ng/ml
Phentermine	3.789	753514	∞	4.3	748.65	397592	232.6955 ng/ml
Promethazine	5.538	1746066	2650.64	28.4	∞	307369	244.6317 ng/ml
Pseudoephedrine	2.610	5477926	∞	16.2	∞	1035928	245.8043 ng/ml
Quetiapine	5.562	1380222	1953.83	58.9	104740.80	75666	250.8968 ng/ml
Sertraline	5.775	348036	1360.07	101.4	960.01	70818	235.4864 ng/ml
Temazepam	5.823	2766098	96202.10	29.2	5085.24	549318	242.2927 ng/ml
Tramadol	4.252	4543376	163577.51	3.8	4172.80	952973	251.8973 ng/ml
Trazodone	5.189	1562026	∞	81.2	139378.20	275875	249.2345 ng/ml
Venlafaxine	5.043	3768851	1873.63	40.5	13999.54	791857	247.8831 ng/ml
Zolpidem	4.941	5287090	∞	30.7	175755.73	1098525	250.9868 ng/ml

# AM #28 Multi-Drug Quant. Results

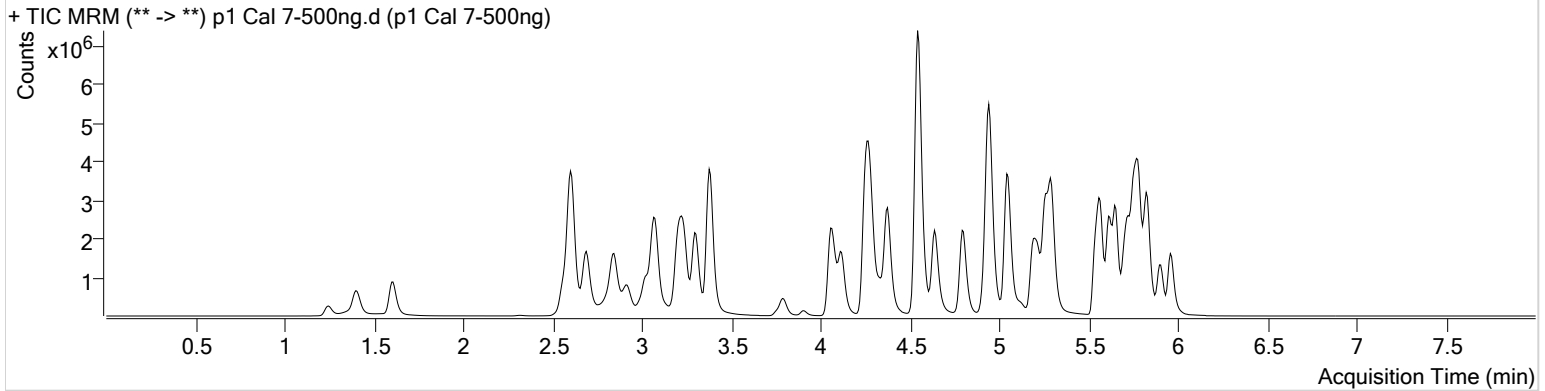
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P2-B12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	1/23/2021 12:26:21 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	117574	65680.10	70.6	289991.85	55840	51.3922 ng/ml
7-aminoclonazepam	4.284	1451362	∞	81.1	39503.70	100434	514.3774 ng/ml
a-hydroxyalprazolam	5.691	541432	1071.75	59.7	401.91	129657	170.6450 ng/ml
alpha-PHP	4.943	773229	6075.53	267.5	5200.27	408197	390.5748 ng/ml
alpha-PVP	4.376	4539236	315863.98	53.1	1225.26	408197	502.0568 ng/ml
Alprazolam	5.781	2804871	∞	112.3	∞	195774	509.1003 ng/ml
Amphetamine	3.076	5237004	120982.60	50.0	31311.26	139657	438.5578 ng/ml
Benzoylecgonine	3.906	224890	583.12	7.9	∞	13266	564.0911 ng/ml
Buprenorphine	5.893	45398	∞	13.8	8742.53	27937	50.5214 ng/ml
Bupropion	4.794	3706609	100233.04	60.4	22765.20	270132	493.5915 ng/ml
Carisoprodol	5.730	1881040	62195.91	53.7	58825.94	181898	507.6015 ng/ml
Citalopram	5.218	1771040	209085.60	43.5	19003.73	158949	512.0583 ng/ml
Clonazepam	5.618	3306523	73237.20	32.6	21597.36	88677	469.5961 ng/ml
Clonazepam	5.555	1997824	5383.33	38.3	1988.12	88677	488.5186 ng/ml
Cocaine	4.270	3281507	200272.90	51.4	54761.23	606459	501.7962 ng/ml
Codeine	2.580	356954	∞	99.0	25399.05	48078	416.1811 ng/ml
Cyclobenzaprine	5.621	1381055	39902.70	9.0	749.74	108477	501.5808 ng/ml
Dextromethorphan	5.268	893745	19056.29	78.5	676.91	84590	505.2066 ng/ml
Dextrophan	4.118	1117779	22134.44	208.7	60351.92	277686	498.8272 ng/ml
Diazepam	5.959	1960370	∞	86.4	211114.87	186812	497.3856 ng/ml
Dihydrocodeine	2.559	1258351	568.27	64.1	2208.34	185752	428.0037 ng/ml
Diphenhydramine	5.296	4749405	52844.02	32.6	54962.75	568674	505.2161 ng/ml
Doxylamine	4.542	10486671	∞	97.2	280062.30	943568	498.5133 ng/ml
EDDP	5.261	3509930	53550.22	42.6	69226.67	363058	500.1138 ng/ml
Etizolam	5.819	1729911	7584.60	25.3	2130.89	88677	488.3567 ng/ml
Fentanyl	5.116	153180	267.20	69.9	477.14	146827	50.1141 ng/ml
Flualprazolam	5.705	1203927	11439.93	103.6	5421.08	195774	487.6795 ng/ml
Fluoxetine	5.707	834696	107651.34	9.1	4123.61	73361	490.4715 ng/ml
Hydrocodone	3.018	1911330	908.79	39.4	∞	545324	467.1988 ng/ml
Hydromorphone	1.608	1592174	∞	75.4	1503.41	9949	480.3111 ng/ml
Ketamine	4.058	3933550	338202.53	38.1	28414.28	407048	487.7474 ng/ml
Lamotrigine	4.293	264383	20495.14	82.0	∞	407048	338.3383 ng/ml
Levetiracetam	2.690	1759359	127362.52	161.1	78649.55	841115	513.4439 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	1429686	∞	57.4	∞	88677	263.8182 ng/ml
MDA	3.209	4134025	110394.29	22.5	17078.31	266232	447.8715 ng/ml
MDMA	3.296	3280311	164376.73	77.8	15059.18	67529	493.8148 ng/ml
Meprobamate	4.924	1042408	31440.54	25.8	33559.52	165499	322.2752 ng/ml
Methadone	5.652	3401130	108833.00	45.3	76181.07	293896	506.7395 ng/ml
Methamphetamine	3.237	3247854	2122.63	39.8	3137.49	304218	477.4043 ng/ml
Metoprolol	4.332	806012	13199.38	89.1	11898.88	845259	489.6382 ng/ml
Mirtazapine	4.637	3815427	196049.65	47.3	73641.16	408197	453.2094 ng/ml
Mitragynine	5.243	508126	59820.86	38.6	183330.97	293896	513.6116 ng/ml
Morphine	1.246	259059	10990.85	27.0	3521.14	6895	504.2533 ng/ml
Norbuprenorphine	4.992	6258	∞	91.1	154.57	5862	51.5483 ng/ml
Nordiazepam	5.906	1823029	938.89	58.3	11686.46	128688	483.9559 ng/ml
Norfentanyl	4.092	894680	27283.63	34.1	1978.49	649603	55.9759 ng/ml
Norhydrocodone	3.066	196145	111.97	42.2	73.82	36374	518.1277 ng/ml
Noroxycodone	2.916	1774172	936.95	41.9	472.64	129341	486.6394 ng/ml
O-desmethyl-tramadol	3.376	8879079	190264.01	7.0	23402.42	1075030	505.6359 ng/ml
Oxazepam	5.756	2021586	9838.85	72.6	89.21	177717	470.9137 ng/ml
Oxycodone	2.841	4681720	4509.70	27.0	8668.71	419408	495.1648 ng/ml
Oxymorphone	1.398	1694345	888.90	42.6	451.35	127859	493.6595 ng/ml
Phentermine	3.789	1185911	∞	4.2	1063.31	324350	449.4946 ng/ml
Promethazine	5.538	2895372	132978.94	28.1	795.96	251142	496.6273 ng/ml
Pseudoephedrine	2.603	9142086	∞	16.2	∞	841115	505.0059 ng/ml
Quetiapine	5.562	2366302	∞	60.4	74580.05	64655	503.6920 ng/ml
Sertraline	5.775	458603	634.18	96.7	39745.34	42666	515.0433 ng/ml
Temazepam	5.829	4023298	40345.15	29.2	12729.81	382686	505.5372 ng/ml
Tramadol	4.252	7618756	∞	3.8	∞	845259	476.8731 ng/ml
Trazodone	5.189	2780754	104560.54	81.6	∞	253089	484.0044 ng/ml
Venlafaxine	5.043	6692015	260659.90	39.8	1553.03	692256	503.4571 ng/ml
Zolpidem	4.941	9332038	20154.34	30.4	12460.03	1021454	477.1173 ng/ml



# AM #28 Multi-Drug Quant. Results

TS

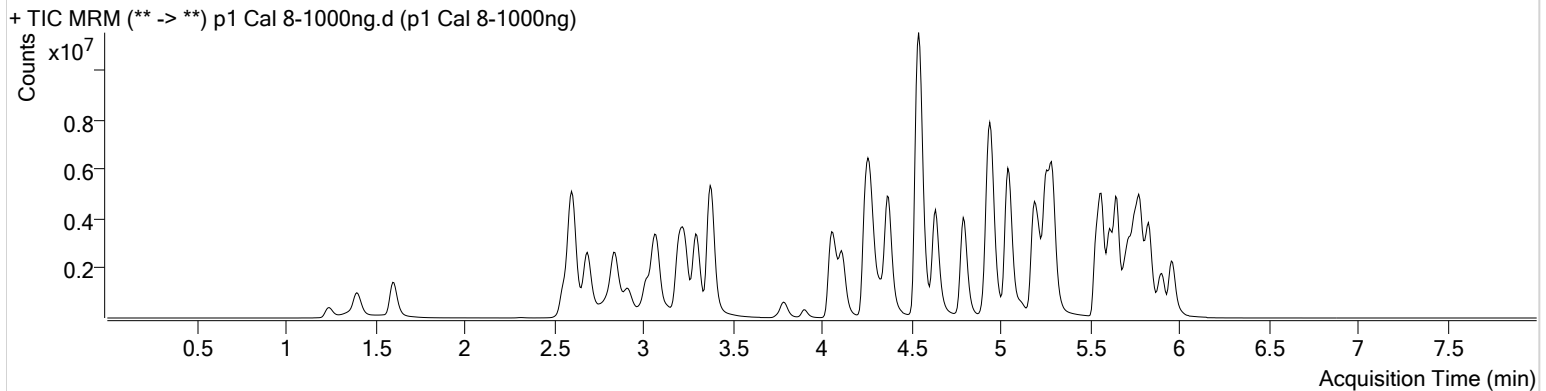


**Batch results** D:\MassHunter\Data\2021\AM 27-28\0122221 AM 27 28 TS CS\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 1/26/2021 1:03:34 PM

**Instrument** Instrument 1  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-A12  
**Injection Volume** 2  
**Acq. Date-Time** 1/23/2021 12:36:56 AM  
**Sample Info.**

**Data File** p1 Cal 8-1000ng.d  
**Sample** p1 Cal 8-1000ng  
**Operator** Tamara Salazar  
**Comment**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	230614	∞	71.6	3523.39	55096	102.1701 ng/ml
7-aminoclonazepam	4.284	1593884	53236.82	85.8	25594.72	58009	977.7622 ng/ml
a-hydroxyalprazolam	5.691	651845	305.99	59.8	247.36	147427	180.7482 ng/ml
alpha-PHP	4.943	1284344	40243.44	262.8	∞	382834	692.3418 ng/ml
alpha-PVP	4.376	8680669	95314.29	53.7	72520.73	382834	1023.6894 ng/ml
Alprazolam	5.781	4112470	∞	112.4	∞	149940	974.5759 ng/ml
Amphetamine	3.076	7251907	87961.04	50.6	63254.05	111261	763.0992 ng/ml
Benzoylecgonine	3.899	569551	923.02	7.9	10948.31	13810	1371.8606 ng/ml
Buprenorphine	5.893	77013	586.97	14.0	∞	20861	114.5633 ng/ml
Bupropion	4.794	6945659	468846.74	61.1	∞	257127	971.9266 ng/ml
Carisoprodol	5.730	2393860	254794.95	52.7	4737.48	111343	1055.1514 ng/ml
Citalopram	5.218	3129175	1447.64	43.7	55684.78	138975	1034.6809 ng/ml
Clonazepam	5.611	4400372	82069.78	32.8	83573.96	64863	854.9192 ng/ml
Clonazepam	5.555	2622045	13350.97	38.6	∞	64863	876.8658 ng/ml
Cocaine	4.270	5416575	40353.06	51.1	163619.46	493066	1018.8928 ng/ml
Codeine	2.580	525587	9452.43	93.9	17403.46	40401	730.0162 ng/ml
Cyclobenzaprine	5.621	2365061	2824.22	9.1	6956.10	90841	1025.5367 ng/ml
Dextromethorphan	5.268	1355089	430.25	78.4	62112.69	63955	1013.4298 ng/ml
Dextrophan	4.118	1957853	92125.82	207.6	281021.52	237073	1023.3917 ng/ml
Diazepam	5.959	3150237	7383.51	88.0	∞	157980	945.2415 ng/ml
Dihydrocodeine	2.552	2044226	438.96	63.9	408.25	184004	702.2313 ng/ml
Diphenhydramine	5.296	8550243	117361.18	33.3	2004.76	505938	1022.0969 ng/ml
Doxylamine	4.547	18175677	186392.30	97.7	247176.90	944122	863.7868 ng/ml
EDDP	5.261	7915310	209756.35	43.4	1248.95	405390	1010.0590 ng/ml
Etizolam	5.819	2678570	1637.64	25.0	1363.29	64863	1034.0501 ng/ml
Fentanyl	5.116	306472	21303.11	69.3	∞	143063	102.9439 ng/ml
Flualprazolam	5.705	1688622	3548.59	105.4	4573.38	149940	893.2877 ng/ml
Fluoxetine	5.707	1029181	52265.30	8.9	8751.83	45447	977.5802 ng/ml
Hydrocodone	3.018	3276247	1605.02	38.5	946.56	523743	834.5818 ng/ml
Hydromorphone	1.601	2743503	∞	77.3	∞	9082	907.2305 ng/ml
Ketamine	4.058	6915427	4536.92	37.8	3290.25	385832	905.2224 ng/ml
Lamotrigine	4.293	353063	17167.89	80.9	27766.85	385832	477.0576 ng/ml
Levetiracetam	2.690	2817277	14369.77	163.8	177148.35	620109	1114.7285 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	1488170	∞	56.3	∞	64863	375.7412 ng/ml
MDA	3.203	6150579	62469.89	22.5	23750.08	219309	809.8579 ng/ml
MDMA	3.296	5413934	13445.48	78.1	9884.59	58373	943.1082 ng/ml
Meprobamate	4.917	1162639	57422.45	26.5	11307.05	140545	423.5370 ng/ml
Methadone	5.652	6413095	1820.54	45.3	4450.92	273455	1026.7480 ng/ml
Methamphetamine	3.237	4703020	∞	39.3	∞	242572	868.2023 ng/ml
Metoprolol	4.332	1236989	8527.08	90.9	∞	745834	852.1366 ng/ml
Mirtazapine	4.637	7738738	884469.99	48.0	172102.87	382834	979.8784 ng/ml
Mitragynine	5.236	760677	71329.49	40.4	34652.11	273455	826.8952 ng/ml
Morphine	1.246	452616	11010.26	26.7	1191.58	6246	972.7230 ng/ml
Norbuprenorphine	4.992	10903	1435.89	96.4	1332.08	4995	106.0909 ng/ml
Nordiazepam	5.906	2736506	411588.58	58.3	919.43	95418	979.8806 ng/ml
Norfentanyl	4.086	1551092	104406.66	33.8	2890.31	473340	133.1251 ng/ml
Norhydrocodone	3.066	341301	451.82	44.6	122.96	29332	1117.7549 ng/ml
Noroxycodone	2.916	2664691	2953.19	41.2	∞	99026	954.9260 ng/ml
O-desmethyl-tramadol	3.376	14400231	270389.77	7.2	58842.43	900583	978.9619 ng/ml
Oxazepam	5.756	2098011	11984.83	75.0	481.38	98992	877.6139 ng/ml
Oxycodone	2.834	8619361	∞	26.9	6781.77	418780	913.3470 ng/ml
Oxymorphone	1.398	2958224	278.77	42.3	1338.29	114598	962.1430 ng/ml
Phentermine	3.789	1745015	8604.34	4.2	∞	285274	752.4219 ng/ml
Promethazine	5.538	5113838	73593.83	27.8	3767.47	217939	1010.9344 ng/ml
Pseudoephedrine	2.603	14079405	∞	16.4	∞	620109	1054.6916 ng/ml
Quetiapine	5.562	4981116	130805.53	59.9	∞	69939	980.4529 ng/ml
Sertraline	5.775	556096	19665.99	99.3	8947.05	26077	1021.8272 ng/ml
Temazepam	5.829	5373753	164483.33	29.1	8765.50	247440	1043.9663 ng/ml
Tramadol	4.245	11915235	131179.02	3.9	21751.31	745834	845.7734 ng/ml
Trazodone	5.189	6706707	∞	80.3	162527.64	317410	931.1403 ng/ml
Venlafaxine	5.043	12050459	150872.34	41.0	28508.53	616145	1018.5620 ng/ml
Zolpidem	4.941	15593299	12278.06	30.9	160023.40	984038	828.1077 ng/ml