

**Worklist: 4791**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
M2020-5173	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0018	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0121	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0122	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0167	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0310	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3400	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3699	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3795	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0130	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0154	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0155	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0160	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0170	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0186	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0231	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0232	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0235	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 02/18/2021

Analyst: Sophia Jackson

Plate lot#: IDP-121-201207

Plate Expiration: 06/07/2020

**Mobile phase A:** 5mM Amm Form + 0.01% FA    **Mobile phase B:** 0.01% Formic Acid in MeOH

**Blank Blood Lot:** Lampire 20L20724

**Column:** Agilent 120 EC-C18 (2.1x 100-2.7um)    **LCMS-QQQ ID:** 066901

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID:** 16
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right)**
- 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. **If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).** Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

## Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R<sup>2</sup> values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

## COMMENTS:

*QC-10, QC-250, and QC-1000 were run prior to case samples and QC-100 was run after case samples.*

*Curves limited: 6-MAM 1-100 (calibrator 1 dropped due to ratio), α-hydroxyalprazolam 5-100 (calibrators 6-8 dropped due to accuracy), α-PHP 5-500 (calibrator 8 dropped due to accuracy), Amphetamine 5-250 (calibrator 7 dropped due to R<sup>2</sup> value and calibrator 8 dropped due to accuracy), Benzoyllecgonine 5-500 (calibrator 8 dropped due to low ISTD response in QC-1000), Buprenorphine 0.5-50 (calibrator 8 dropped due to accuracy); Clonazepam 5-500 (calibrator 8 dropped due to accuracy), Codeine 5-500 (calibrator 8 dropped due to accuracy), Dihydrocodeine 5-500 (calibrator 8*

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*dropped due to accuracy), Etizolam 5-500 (calibrator 8 dropped due to accuracy), Hydromorphone 5-500 (calibrator 8 dropped due to low ISTD response in QC-1000), Lamotrigine 5-250 (calibrators 7 and 8 dropped for accuracy), Lorazepam 5-100 (calibrators 6-8 dropped due to accuracy), MDA 5-500 (calibrator 8 dropped due to R<sup>2</sup> value), Meprobamate 5-250 (calibrators 7 and 8 dropped due to accuracy), Morphine 5-500 (calibrator 8 dropped due to low ISTD response in QC-1000), Norbuprenorphine 0.5-50 (calibrator 8 dropped due to low ISTD response in QC-1000), Phentermine 5-500 (calibrator 8 dropped due to accuracy)*

*Hydromorphone ISTD missing. Morphine-D6 used as the Hydromorphone ISTD and Hydromorphone reported qualitatively for this run.*

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC-10**	M2021-0121-2**	P2021-0154-1**	M2021-0122-2*							
B	IS + Cal. 2	IS + QC-100**	M2021-0122-2*	P2021-0155-1**	P2021-0155-1**							
C	IS + Cal. 3	IS + QC-250**	M2021-0167-3**	P2021-0160-1**	P2021-0154-1**	P2021-0160-1**						
D	IS + Cal. 4	IS + QC-1000	M2021-0310-2	P2021-0170-1	IS + QC-10**							
E	IS + Cal. 5		P2020-3400-1	P2021-0186-1	IS + QC-100**							
F	IS + Cal. 6	Negative control	P2020-3699-4	P2021-0231-1	IS + QC-250**							
G	IS + Cal. 7	M2020-5173-1	P2020-3795-1	P2021-0232-1	M2021-0121-2**							
H	IS + Cal. 8	M2021-0018-1	P2021-0130-1	P2021-0235-3	M2021-0167-3**							

All wells to contain 60 µl of Trapping Solution

\*M2021-0122-2 moved during analytical step 6 due to a blood clot

\*\*QC-10, QC-100, QC-250, M2021-0121-2, M2021-0167-3, P2021-0154-1, P2021-0155-1, P2021-0160-1 moved during analytical step 6 due to possible addition of too much ethyl acetate to well B3 during extraction

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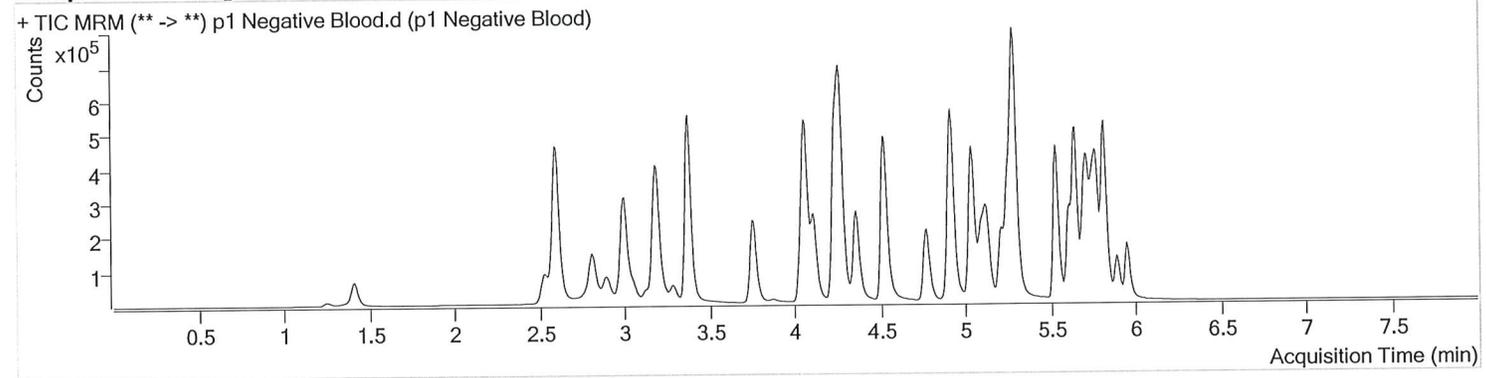


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
Calibration Last Update 2/25/2021 1:58:46 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	p1 Negative Blood
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sophia Jackson
<b>Sample Position</b>	P2-F2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/18/2021 1:54:32 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



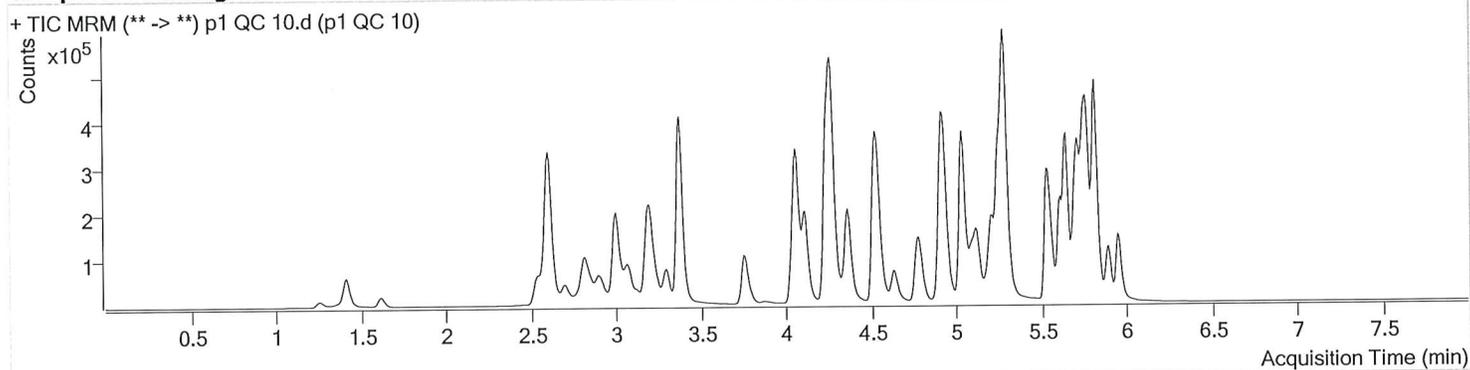


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
Calibration Last Update 2/25/2021 1:58:46 PM

Instrument Instrument 1 Data File p1 QC 10.d  
Type QC Sample p1 QC 10  
Acq. Method AM 28 MDQ P1.m Operator Sophia Jackson  
Sample Position P2-D5 Comment  
Injection Volume 2  
Acq. Date-Time 2/18/2021 2:26:24 PM  
Sample Info.

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	1743	381.48	78.6	2986.32	47949	0.9538 ng/ml
7-aminoclonazepam	4.278	42035	82.00	78.7	159.81	161572	9.5990 ng/ml
a-hydroxyalprazolam	5.698	23403	455.89	58.7	∞	86981	10.7134 ng/ml
alpha-PHP	4.937	25138	836.10	271.1	5418.20	402855	10.0510 ng/ml
alpha-PVP	4.369	91608	619.96	52.8	1787.05	402855	9.9698 ng/ml
Alprazolam	5.775	68549	425.65	118.2	301.86	275457	9.2511 ng/ml
Amphetamine	3.076	118889	933.43	49.8	1123.52	142492	9.4151 ng/ml
Benzoylcegonine	3.899	2344	31.40	9.1	178.70	8232	10.2695 ng/ml
Buprenorphine	5.880	2104	137.11	14.9	357.63	70326	1.0105 ng/ml
Bupropion	4.794	87229	357.92	61.8	292.58	316577	9.7886 ng/ml
Carisoprodol	5.723	74268	270.85	54.9	436.64	386448	9.2474 ng/ml
Citalopram	5.212	68425	173.67	42.8	510.88	315383	9.7288 ng/ml
Clonazepam	5.611	88151	8075.10	33.2	∞	109760	9.9094 ng/ml
Clonazolam	5.548	53007	1012.30	36.4	21732.72	109760	9.1459 ng/ml
Cocaine	4.264	74843	3148.37	53.5	1830.79	713699	10.1229 ng/ml
Codeine	2.586	10103	402.89	101.4	263.58	49005	10.5988 ng/ml
Cyclobenzaprine	5.614	49397	2940.43	8.4	128.25	204866	9.6859 ng/ml
Dextromethorphan	5.255	38460	∞	81.3	680.81	182555	10.0184 ng/ml
Dextrorphan	4.111	29759	1534.89	210.2	465.84	361448	9.8249 ng/ml
Diazepam	5.959	48949	2080.65	87.2	1195.67	229340	10.0955 ng/ml
Dihydrocodeine	2.565	24765	275.72	61.9	851.33	145387	10.1965 ng/ml
Diphenhydramine	5.289	174296	∞	32.9	226.87	1070427	9.5821 ng/ml
Doxylamine	4.536	194454	8075.03	100.5	5169.00	875921	9.6276 ng/ml
EDDP	5.254	85931	1277.88	42.7	4053.93	450563	9.5581 ng/ml
Etizolam	5.813	40908	∞	24.4	17688.78	109760	9.1281 ng/ml
Fentanyl	5.109	5063	389.96	73.2	28775.31	250364	0.9360 ng/ml
Flualprazolam	5.705	34286	903.64	93.2	589.65	275457	9.4891 ng/ml
Fluoxetine	5.700	57609	21586.51	8.3	278.23	226848	10.2611 ng/ml
Hydrocodone	3.025	38163	190.10	40.0	167.58	462318	9.5656 ng/ml
Hydromorphone	1.621	33804	867.30	74.5	883.51	6845	9.4552 ng/ml
Ketamine	4.058	70744	1394.37	37.3	73.64	344464	9.8414 ng/ml
Lamotrigine	4.280	7720	417.68	81.2	6357.40	344464	10.7110 ng/ml
Levetiracetam	2.703	36333	580.76	160.2	702.11	811989	11.9539 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	5.746	80669	431.94	59.0	∞	109760	10.3714 ng/ml
MDA	3.209	133015	2193.62	24.2	782.21	364702	10.0892 ng/ml
MDMA	3.303	73295	8282.66	80.8	∞	73316	10.0984 ng/ml
Meprobamate	4.924	44890	354.14	26.6	1195.94	204560	9.8141 ng/ml
Methadone	5.646	125029	5544.59	46.3	2528.10	570513	9.6689 ng/ml
Methamphetamine	3.244	52467	428.58	39.5	341.59	195434	9.1535 ng/ml
Metoprolol	4.326	18404	79663.96	92.7	∞	849255	9.5356 ng/ml
Mirtazapine	4.630	114027	8599.28	49.0	8573.58	402855	9.4514 ng/ml
Mitragynine	5.236	21365	5307.16	40.9	20849.58	570513	8.8963 ng/ml
Morphine	1.267	5442	1062.03	26.8	∞	6845	9.6275 ng/ml
Norbuprenorphine	4.985	279	1184.25	97.3	302.91	12043	1.0807 ng/ml
Nordiazepam	5.899	50112	232.13	60.3	5345.81	171679	9.7809 ng/ml
Norfentanyl	4.086	13450	476.09	35.0	186.39	591412	0.9674 ng/ml
Norhydrocodone	3.073	6441	260.63	45.0	108.26	65540	8.7528 ng/ml
Noroxycodone	2.916	42506	440.65	44.3	728.34	152516	9.9008 ng/ml
O-desmethyl-tramadol	3.376	151151	1657.33	6.8	270.31	942112	9.6860 ng/ml
Oxazepam	5.756	95341	∞	76.9	148.03	387051	9.9711 ng/ml
Oxycodone	2.841	76694	432.72	27.4	901.80	330738	10.0807 ng/ml
Oxymorphone	1.418	39831	∞	41.7	147.20	143849	10.0065 ng/ml
Phentermine	3.790	25785	∞	4.6	39.78	293168	10.0763 ng/ml
Promethazine	5.531	101855	328.07	28.0	1439.79	431281	10.0027 ng/ml
Pseudoephedrine	2.610	166315	2221.99	16.6	1751.95	811989	9.7371 ng/ml
Quetiapine	5.555	84194	291.47	55.5	561.31	116251	9.7948 ng/ml
Sertraline	5.775	27945	205.30	101.1	1054.33	138408	9.7272 ng/ml
Temazepam	5.823	152536	∞	29.6	∞	737423	9.7465 ng/ml
Tramadol	4.245	167583	4938.48	3.8	131.75	849255	9.8333 ng/ml
Trazodone	5.183	78804	121.42	80.2	5856.38	335688	10.1523 ng/ml
Venlafaxine	5.036	148766	874.02	39.1	289.22	777521	9.7757 ng/ml
Zolpidem	4.941	169856	2892.71	31.4	7172.97	833325	9.7199 ng/ml

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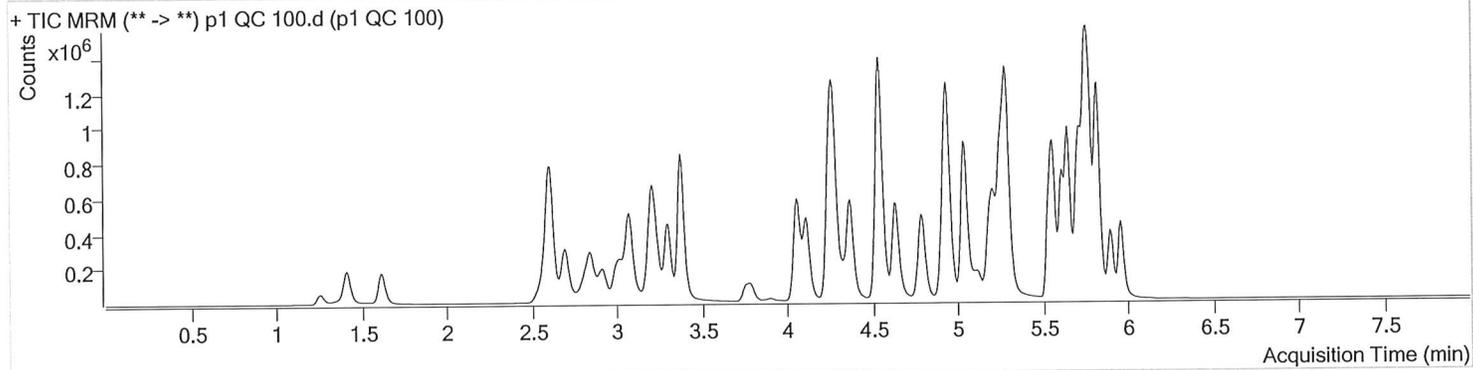


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 2/25/2021 1:58:46 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>	Sophia Jackson
<b>Sample Position</b>	P2-E5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/18/2021 10:02:42 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	16128	719.89	73.0	∞	41910	9.9382 ng/ml
7-aminoclonazepam	4.278	370246	20962.92	80.9	18663.96	140080	96.5879 ng/ml
a-hydroxyalprazolam	5.698	192300	1091.58	59.2	1316.84	89064	95.5568 ng/ml
alpha-PPH	4.937	213790	3731.80	268.0	37297.19	341964	107.7953 ng/ml
alpha-PVP	4.369	795885	982.63	53.1	466.59	341964	101.6038 ng/ml
Alprazolam	5.775	619302	1786.72	117.0	5529.05	224034	102.8294 ng/ml
Amphetamine	3.076	961612	1704.27	51.2	5973.91	112821	102.8966 ng/ml
Benzoylcegonine	3.899	23219	850.12	7.6	810.94	7585	113.8710 ng/ml
Buprenorphine	5.880	16929	∞	14.3	4799.20	54486	9.7587 ng/ml
Bupropion	4.794	770401	96123.52	61.1	2423.70	267422	103.9433 ng/ml
Carisoprodol	5.730	635713	∞	53.3	∞	304274	97.6686 ng/ml
Citalopram	5.212	570384	906.00	43.5	385178.05	257906	98.4446 ng/ml
Clonazepam	5.611	777407	108041.56	33.1	13488.57	91467	110.0878 ng/ml
Clonazepam	5.555	468187	3482.22	36.9	10302.44	91467	102.0840 ng/ml
Cocaine	4.264	653079	53323.57	53.1	543477.20	605141	102.8568 ng/ml
Codeine	2.586	86671	4069.51	103.0	1361.28	43070	110.4555 ng/ml
Cyclobenzaprine	5.614	343844	852.62	8.5	244.50	134801	99.0450 ng/ml
Dextromethorphan	5.261	303500	285.45	80.2	52793.42	140852	101.8695 ng/ml
Dextrorphan	4.111	269052	4074.04	206.5	33086.36	307534	103.8485 ng/ml
Diazepam	5.959	431523	433.88	87.0	4021.48	191568	106.0275 ng/ml
Dihydrocodeine	2.565	226477	182.56	61.6	34668.47	128490	110.2821 ng/ml
Diphenhydramine	5.289	1486885	155823.64	33.5	429.87	883907	97.8919 ng/ml
Doxylamine	4.536	1836703	147463.69	97.9	138012.44	765210	106.0789 ng/ml
EDDP	5.254	751836	29580.20	42.4	452.82	377239	100.3896 ng/ml
Etizolam	5.819	347432	1155.19	25.6	1766.07	91467	87.5148 ng/ml
Fentanyl	5.109	38031	550.79	72.9	26407.68	180966	9.7161 ng/ml
Flualprazolam	5.705	301853	1679.05	94.5	13283.88	224034	105.2887 ng/ml
Fluoxetine	5.707	326101	∞	8.9	24053.07	128941	104.2530 ng/ml
Hydrocodone	3.025	336663	342.57	38.3	273.42	396634	107.5876 ng/ml
Hydromorphone	1.615	307486	648.27	74.6	898.23	6215	96.2301 ng/ml
Ketamine	4.058	625934	1671.74	38.5	1287.43	297751	105.3616 ng/ml
Lamotrigine	4.287	68175	8015.94	79.8	8819.51	297751	114.7650 ng/ml
Levetiracetam	2.697	341875	15430.16	160.9	16288.44	695208	115.8210 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	5.746	626200	∞	56.9	5055.89	91467	103.9500 ng/ml
MDA	3.209	1106285	21448.35	25.1	1908.16	297033	113.6087 ng/ml
MDMA	3.303	658256	∞	81.3	8663.95	63824	105.3888 ng/ml
Meprobamate	4.924	378393	36859.35	27.0	883.71	174960	107.0355 ng/ml
Methadone	5.646	1040034	948.44	46.0	25295.43	456851	99.4775 ng/ml
Methamphetamine	3.244	372268	2774.58	38.3	494.65	146386	102.3266 ng/ml
Metoprolol	4.326	167024	5284.22	90.6	∞	739696	104.7773 ng/ml
Mirtazapine	4.637	1028318	7945.46	47.8	8321.33	341964	101.0763 ng/ml
Mitragynine	5.236	168106	27834.58	39.5	2765.74	456851	94.8237 ng/ml
Morphine	1.260	49546	3316.07	27.4	2482.95	6215	97.3913 ng/ml
Norbuprenorphine	4.985	2066	9998.97	98.8	202.36	9756	10.0415 ng/ml
Nordiazepam	5.899	444459	∞	58.4	584.33	144085	105.3595 ng/ml
Norfentanyl	4.086	129440	18206.47	34.4	763.25	536463	9.5584 ng/ml
Norhydrocodone	3.073	54858	190.76	41.3	251.70	50558	93.8334 ng/ml
Noroxycodone	2.916	381224	1297.83	42.4	642.23	131404	104.5570 ng/ml
O-desmethyl-tramadol	3.376	1384840	2854.34	6.9	1098.47	820444	101.3734 ng/ml
Oxazepam	5.756	759465	∞	76.9	∞	304871	104.2365 ng/ml
Oxycodone	2.841	717308	5136.63	26.9	1140.00	296130	107.9730 ng/ml
Oxymorphone	1.411	351767	∞	42.1	1327.89	124714	104.9434 ng/ml
Phentermine	3.789	210745	3468.37	4.7	988.79	232069	110.4758 ng/ml
Promethazine	5.531	691092	30629.49	27.2	1981.84	292808	98.7130 ng/ml
Pseudoephedrine	2.610	1473004	∞	16.6	∞	695208	97.8629 ng/ml
Quetiapine	5.562	740920	35412.39	59.4	1539506.38	98097	100.9521 ng/ml
Sertraline	5.775	157662	35198.13	101.2	302794.79	77556	97.1059 ng/ml
Temazepam	5.823	1328367	28773.14	28.7	387.82	596550	101.3567 ng/ml
Tramadol	4.245	1484095	113759.98	3.6	9202.73	739696	105.0095 ng/ml
Trazodone	5.183	691162	6882597.40	79.4	∞	288900	109.5672 ng/ml
Venlafaxine	5.036	1332702	31524.11	39.3	7535.36	654266	102.9750 ng/ml
Zolpidem	4.941	1559844	151012.33	30.6	8219.55	729319	107.9834 ng/ml

SJ

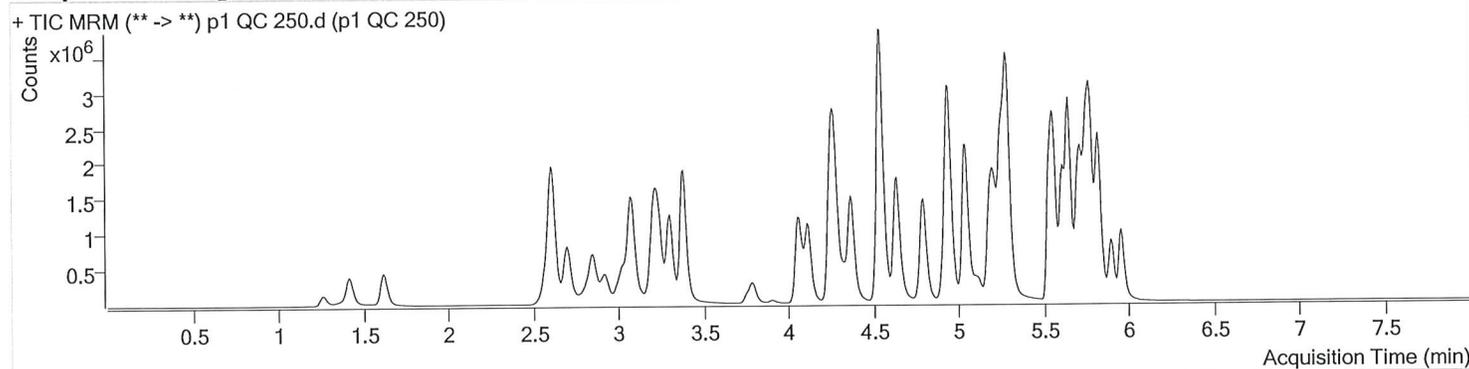


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Calibration Last Update 2/25/2021 1:58:46 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sophia Jackson
<b>Sample Position</b>	P2-F5	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/18/2021 2:47:38 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	48709	∞	71.1	1577.54	50025	25.1212 ng/ml
7-aminoclonazepam	4.284	879800	16848.24	79.3	18893.89	130881	245.4915 ng/ml
<del>a-hydroxyalprazolam</del>	<del>5.691</del>	<del>381569</del>	<del>5117.30</del>	<del>58.9</del>	<del>355.28</del>	<del>108406</del>	<del>156.6363 ng/ml</del>
alpha-PHP	4.936	588571	17650.68	264.9	∞	409070	249.1044 ng/ml
alpha-PVP	4.369	2294728	52315.23	52.9	29631.70	409070	244.8246 ng/ml
Alprazolam	5.775	1517492	5417.59	114.7	∞	227833	247.7732 ng/ml
Amphetamine	3.083	3001548	42214.12	51.1	22193.43	159116	268.6161 ng/ml
Benzoylcegonine	3.906	62596	3578.84	8.2	694.84	8962	260.2787 ng/ml
Buprenorphine	5.880	55121	554.06	14.5	∞	70400	24.4717 ng/ml
Bupropion	4.794	2389981	1593.40	61.3	1977.43	342957	251.6787 ng/ml
Carisoprodol	5.730	1349290	∞	56.3	13266.21	266539	236.2355 ng/ml
Citalopram	5.212	1731913	72314.80	42.8	27550.82	324519	237.4482 ng/ml
Clonazepam	5.611	1711181	1458.16	32.8	33764.14	88048	252.4280 ng/ml
Clonazolam	5.555	1101012	76201.72	38.4	37551.86	88048	250.1605 ng/ml
Cocaine	4.264	1715110	677866.57	53.6	26803.27	651075	250.8592 ng/ml
Codeine	2.593	205937	5088.01	98.2	13806.02	46693	243.0383 ng/ml
Cyclobenzaprine	5.614	1534496	120924.49	8.3	782.36	242999	244.6765 ng/ml
Dextromethorphan	5.261	972485	906.01	78.3	597.46	183007	251.1310 ng/ml
Dextrorphan	4.118	744468	10133.44	207.4	128086.01	356297	247.9431 ng/ml
Diazepam	5.959	1102523	∞	88.1	891.17	210586	246.3584 ng/ml
Dihydrocodeine	2.572	581495	919.79	63.4	1605.93	148800	245.1286 ng/ml
Diphenhydramine	5.289	4701457	2189.52	33.0	21922.84	1111672	245.9328 ng/ml
Doxylamine	4.542	5280627	163300.87	99.3	∞	923336	253.0326 ng/ml
EDDP	5.254	2261330	1554.26	42.5	38596.03	465549	244.7474 ng/ml
Etizolam	5.819	875317	17799.87	24.9	1851.56	88048	228.0744 ng/ml
Fentanyl	5.109	162841	11655.88	71.0	107409.07	317299	23.7255 ng/ml
Flualprazolam	5.705	714063	1240.80	99.0	864.11	227833	245.2651 ng/ml
Fluoxetine	5.700	1395297	1376.95	8.7	19391.42	234241	245.8579 ng/ml
Hydrocodone	3.025	900927	1194.36	37.6	∞	462411	248.2429 ng/ml
Hydromorphone	1.621	778812	1713.93	77.4	1748.91	6616	229.2135 ng/ml
Ketamine	4.058	1736303	2691.96	38.2	958.86	345526	252.5519 ng/ml
Lamotrigine	4.287	164411	2281.03	82.2	25978.69	345526	239.1245 ng/ml
Levetiracetam	2.703	898216	2438.26	160.5	93584.98	813670	258.0585 ng/ml

2/25/21 SJ

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	1056302	2243.74	58.5	∞	88048	182.8201 ng/ml*
MDA	3.209	2670875	28610.17	24.5	27280.40	327562	250.0853 ng/ml
MDMA	3.303	1832269	∞	81.7	15107.48	73647	254.4086 ng/ml
Meprobamate	4.924	797587	2511513.12	26.9	576.53	183716	216.0334 ng/ml
Methadone	5.646	3554866	189365.74	46.1	68479.93	628778	246.8941 ng/ml
Methamphetamine	3.244	1772558	1747.18	38.1	12432.71	282115	255.5300 ng/ml
Metoprolol	4.326	459083	52822.82	91.2	∞	818868	260.9993 ng/ml
Mirtazapine	4.637	3211691	214064.08	47.5	9443.22	409070	264.0100 ng/ml
Mitragynine	5.236	585226	37665.14	39.3	∞	628778	241.1306 ng/ml
Morphine	1.267	129012	928.44	28.8	5314.93	6616	238.3846 ng/ml
Norbuprenorphine	4.992	6662	794.74	101.2	200.08	13516	23.3971 ng/ml
Nordiazepam	5.899	1110614	∞	57.8	7372.93	151946	249.9369 ng/ml
Norfentanyl	4.086	370625	447.99	35.1	1396.10	635805	22.9882 ng/ml
Norhydrocodone	3.073	126919	466.79	42.4	169.76	47566	230.3402 ng/ml
Noroxycodone	2.923	916247	630.69	42.2	12238.48	133377	247.7946 ng/ml
O-desmethyl-tramadol	3.383	3835248	200177.02	6.9	30684.41	941749	244.5077 ng/ml
Oxazepam	5.756	1520024	∞	74.1	∞	252713	252.2083 ng/ml
Oxycodone	2.848	1929872	7593.28	26.9	17798.34	344517	250.0666 ng/ml
Oxymorphone	1.418	872010	∞	43.4	∞	130213	249.6145 ng/ml
Phentermine	3.789	703219	14610.39	4.6	511.38	342029	250.9964 ng/ml
Promethazine	5.531	3057588	5304.85	28.1	5326.61	517113	247.0854 ng/ml
Pseudoephedrine	2.616	4272072	7809.93	16.7	∞	813670	242.0516 ng/ml
Quetiapine	5.562	2201813	359929.43	59.0	346.55	126218	232.9968 ng/ml
Sertraline	5.775	682638	21011.92	100.2	35312.97	134248	242.7535 ng/ml
Temazepam	5.823	2880628	3946.45	28.4	13745.40	554778	235.8605 ng/ml
Tramadol	4.245	4026152	54323.77	3.7	6522.29	818868	258.1293 ng/ml
Trazodone	5.183	2313029	3605.06	80.2	∞	416011	255.5184 ng/ml
Venlafaxine	5.036	3792045	88512.10	38.7	986.80	769927	248.8259 ng/ml
Zolpidem	4.941	4239720	20283.14	30.6	97827.79	847116	253.5358 ng/ml

2/25/21

\*Outside curve range



# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	424054	∞	58.6	2070.99	5939	1092.4566 ng/ml *
MDA	3.209	714769	8879.63	25.1	∞	20530	1071.5851 ng/ml *
MDMA	3.303	399033	5377.76	80.3	7329.99	3857	1058.4500 ng/ml
Meprobamate	4.924	236784	886.50	26.7	2854.84	11272	1049.7878 ng/ml *
Methadone	5.646	929415	73507.43	45.3	805.86	42446	955.9228 ng/ml
Methamphetamine	3.237	359710	834.25	38.0	2146.44	13788	1066.7861 ng/ml
Metoprolol	4.326	97659	∞	91.5	3107.25	42752	1065.2145 ng/ml
Mirtazapine	4.637	769761	∞	47.2	28979.41	21876	1183.4724 ng/ml
Mitragynine	5.236	178687	19338.96	40.1	10622.46	42446	1093.5946 ng/ml
Morphine	1.260	29585	1656.43	28.2	261.75	389	929.8158 ng/ml *
Norbuprenorphine	4.992	1668	∞	89.2	∞	778	101.8685 ng/ml *
Nordiazepam	5.899	273509	633.47	58.8	1011.82	9382	997.4300 ng/ml
Norfentanyl	4.086	86778	∞	34.1	799.72	38071	89.6769 ng/ml
Norhydrocodone	3.073	34932	285.68	42.6	97.05	3532	853.0074 ng/ml
Noroxycodone	2.916	235046	1812.73	43.4	2381.33	8316	1020.0700 ng/ml
O-desmethyl-tramadol	3.376	780989	32301.86	6.7	5830.93	47619	984.5283 ng/ml
Oxazepam	5.756	506800	9207.99	75.0	794.45	20286	1048.7330 ng/ml
Oxycodone	2.841	414636	1128.55	27.5	1122.49	18064	1025.5345 ng/ml
Oxymorphone	1.418	201845	1129.07	43.9	∞	8137	925.4371 ng/ml
Phentermine	3.789	157029	1647.43	4.4	136.72	17782	1080.3078 ng/ml *
Promethazine	5.531	949915	1233.62	27.7	1942.64	42584	931.7671 ng/ml
Pseudoephedrine	2.610	919148	931.49	16.8	1226.47	44592	949.3703 ng/ml
Quetiapine	5.555	551103	18622.06	58.2	39678.29	7749	949.4495 ng/ml
Sertraline	5.775	287707	∞	100.2	9047.57	15152	906.2462 ng/ml
Temazepam	5.823	840695	32115.79	28.5	65535.39	40368	944.8960 ng/ml
Tramadol	4.245	893020	24103.15	3.5	291.17	42752	1098.4232 ng/ml
Trazodone	5.183	603290	207.33	80.2	1411.27	26662	1041.9131 ng/ml
Venlafaxine	5.036	806175	1020.02	39.4	1076.64	41158	989.2278 ng/ml
Zolpidem	4.941	923853	10662.83	31.1	21071.93	45468	1031.2315 ng/ml

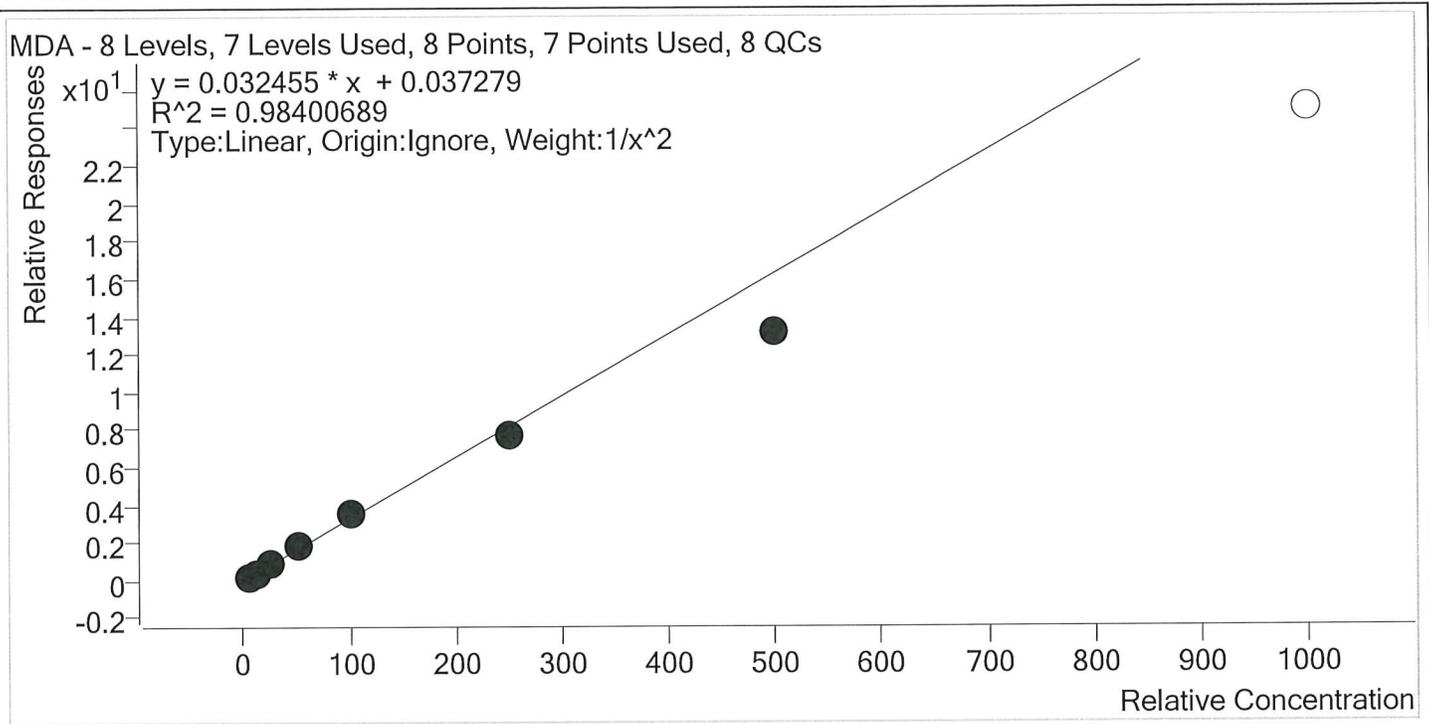
\*Outside curve range

2/25/21  
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 57



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

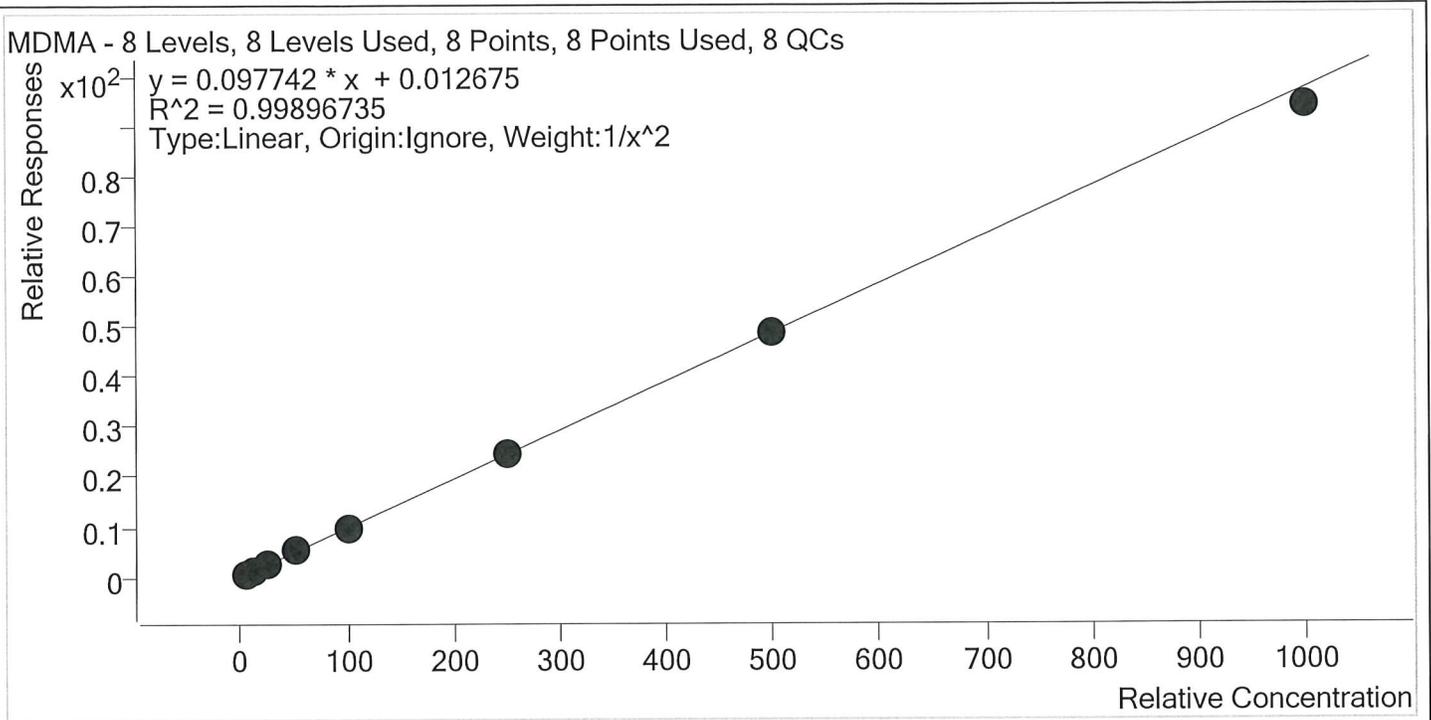


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.7
p1 Cal 4-50ng	4	✓	50.0	56.4	112.9
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	235.1	94.1
p1 Cal 7-500ng	7	✓	500.0	403.4	80.7
p1 Cal 8-1000ng	8	×	1000.0	768.7	76.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

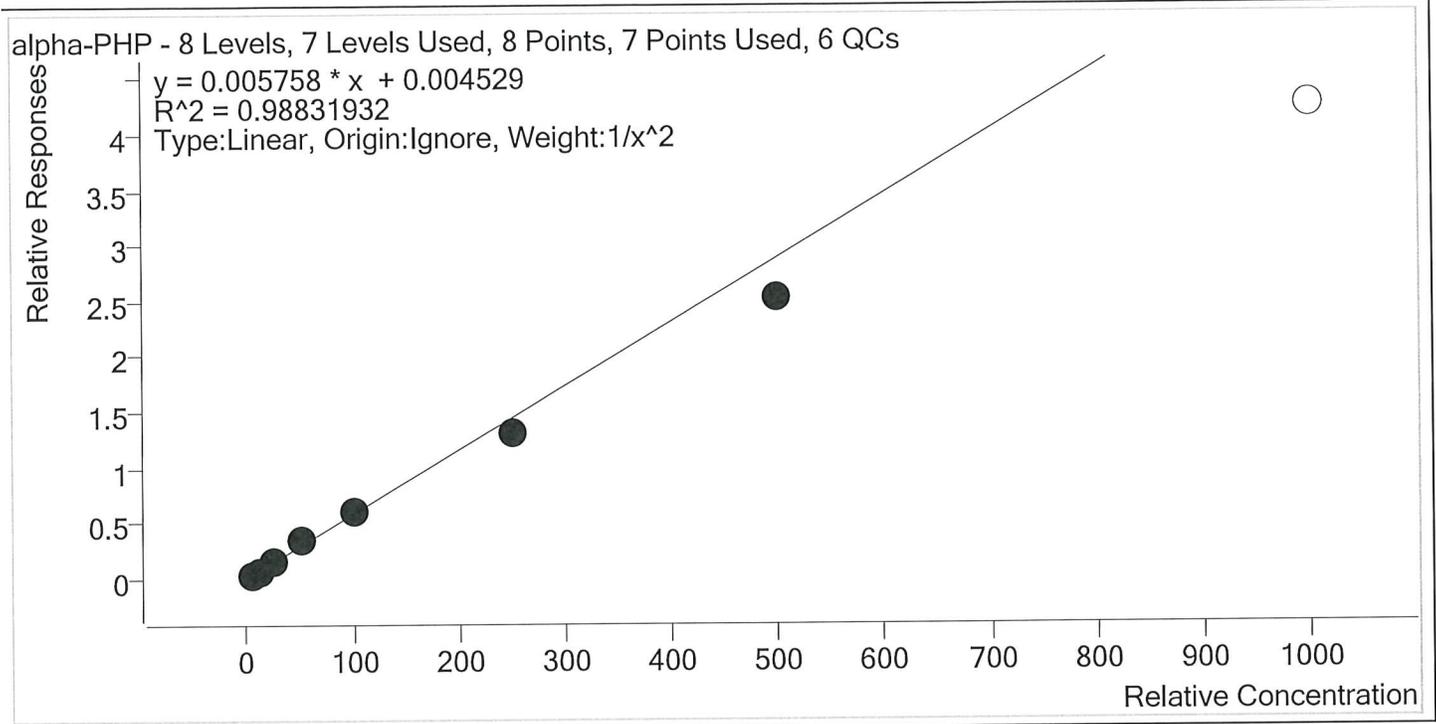


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	250.1	100.1
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	965.2	96.5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8



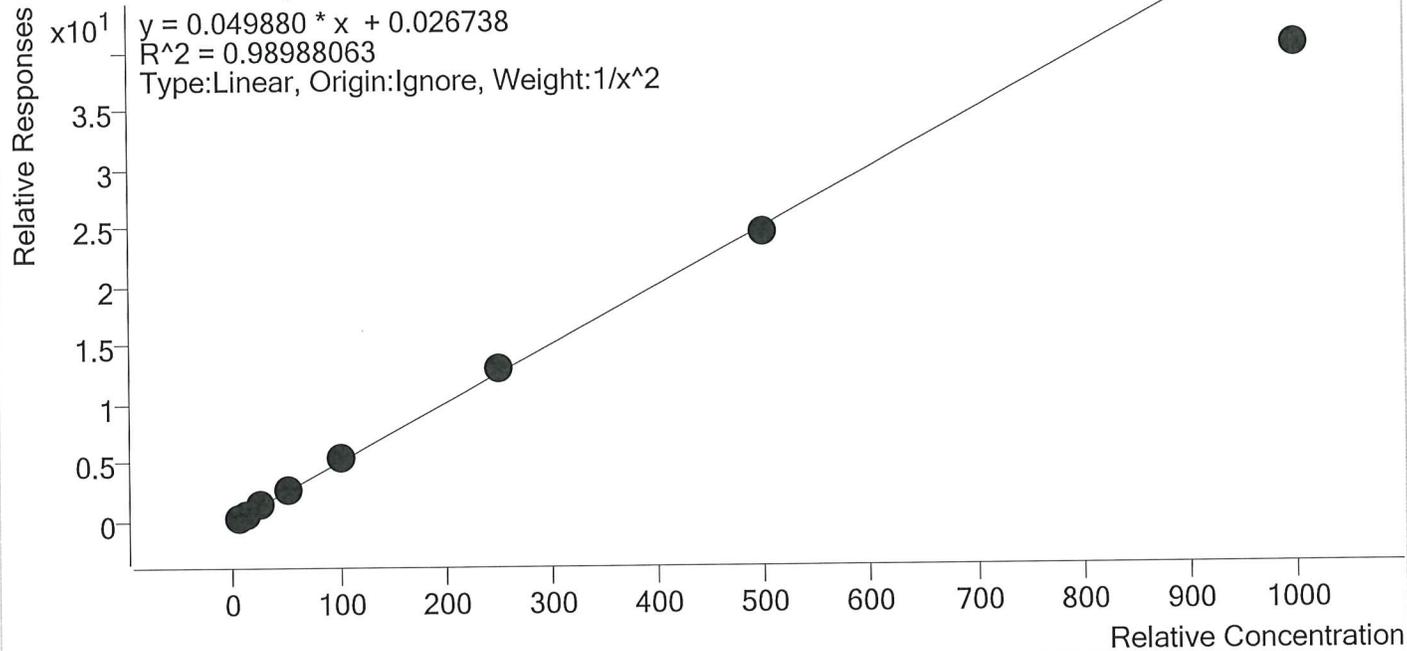
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	56.8	113.6
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	224.2	89.7
p1 Cal 7-500ng	7	✓	500.0	439.3	87.9
p1 Cal 8-1000ng	8	×	1000.0	737.5	73.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

Clonazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs



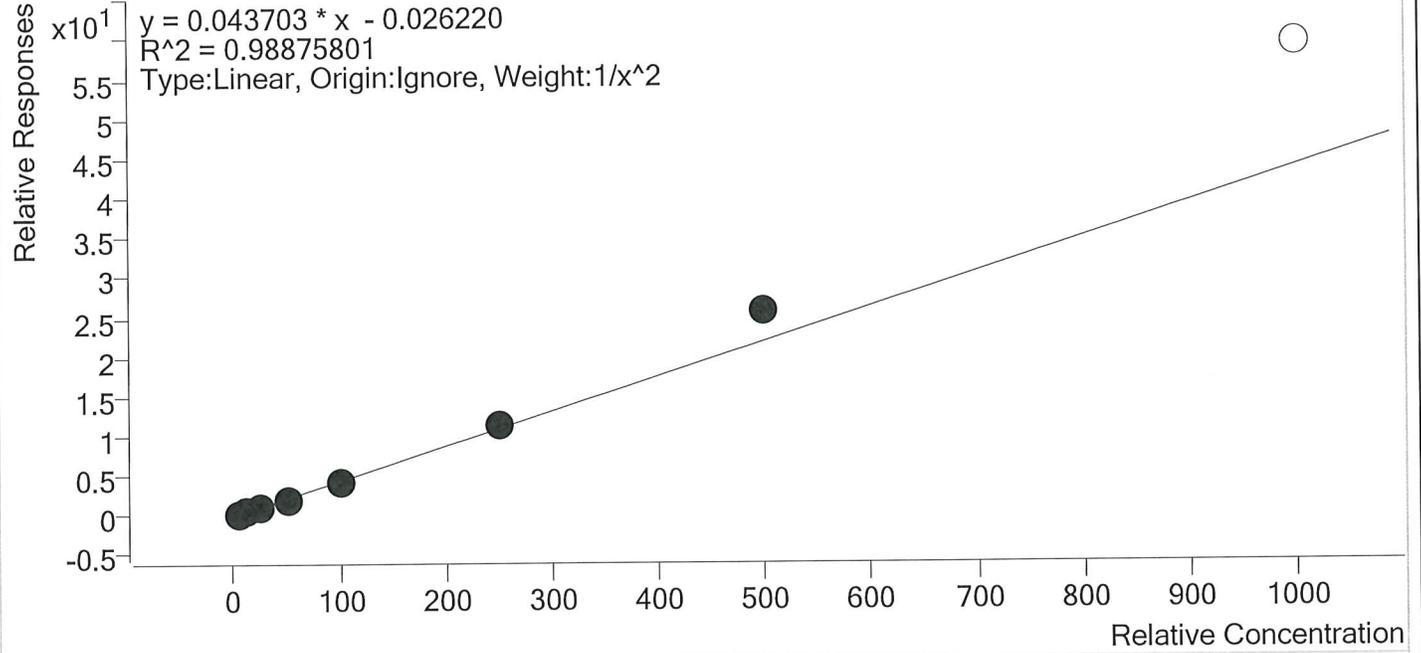
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	54.7	109.3
p1 Cal 5-100ng	5	✓	100.0	107.0	107.0
p1 Cal 6-250ng	6	✓	250.0	259.3	103.7
p1 Cal 7-500ng	7	✓	500.0	493.8	98.8
p1 Cal 8-1000ng	8	✓	1000.0	806.3	80.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

Etizolam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 8 QCs

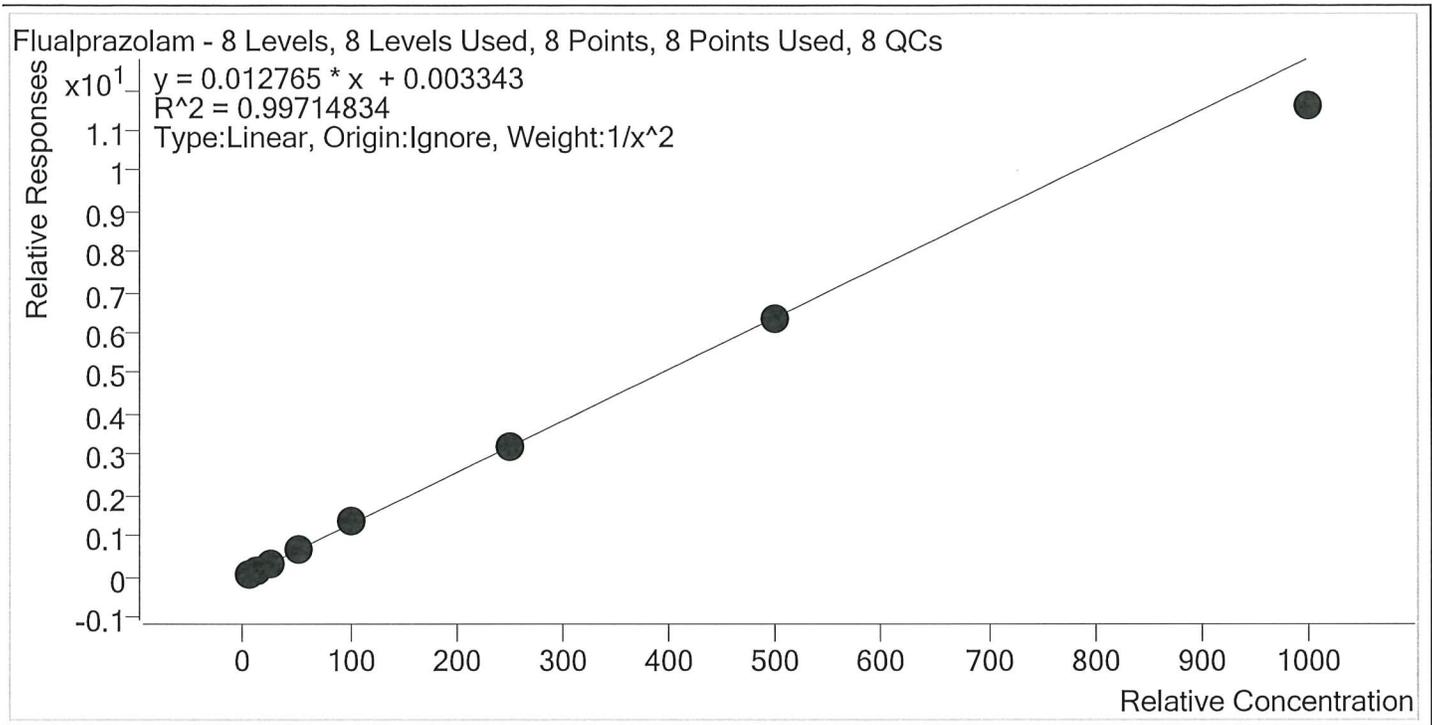


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.7
p1 Cal 2- 10ng	2	✓	10.0	9.5	95.5
p1 Cal 3 -25ng	3	✓	25.0	22.5	89.9
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	93.7	93.7
p1 Cal 6-250ng	6	✓	250.0	258.2	103.3
p1 Cal 7-500ng	7	✓	500.0	583.3	116.7
p1 Cal 8-1000ng	8	×	1000.0	1356.3	135.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



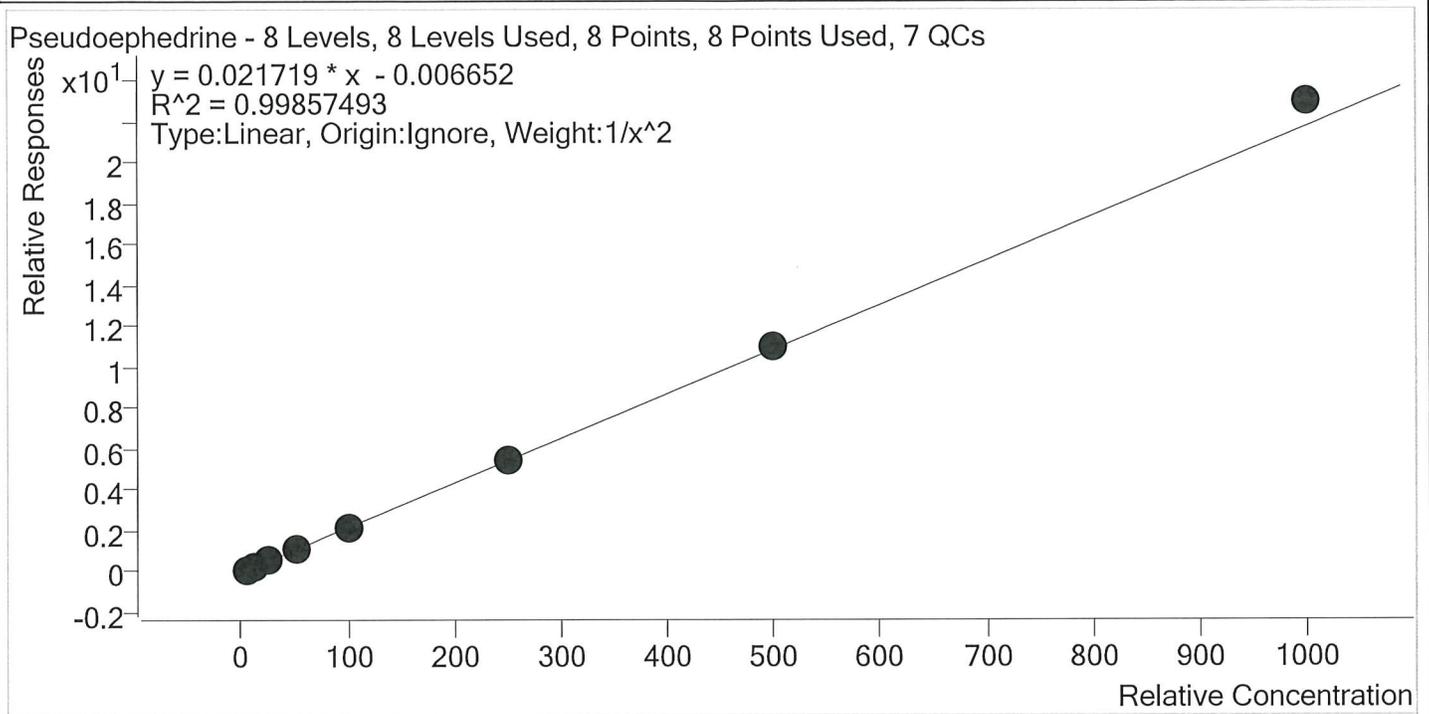
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	53.0	106.1
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	908.1	90.8

ST



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	504.6	100.9
p1 Cal 8-1000ng	8	✓	1000.0	1056.1	105.6

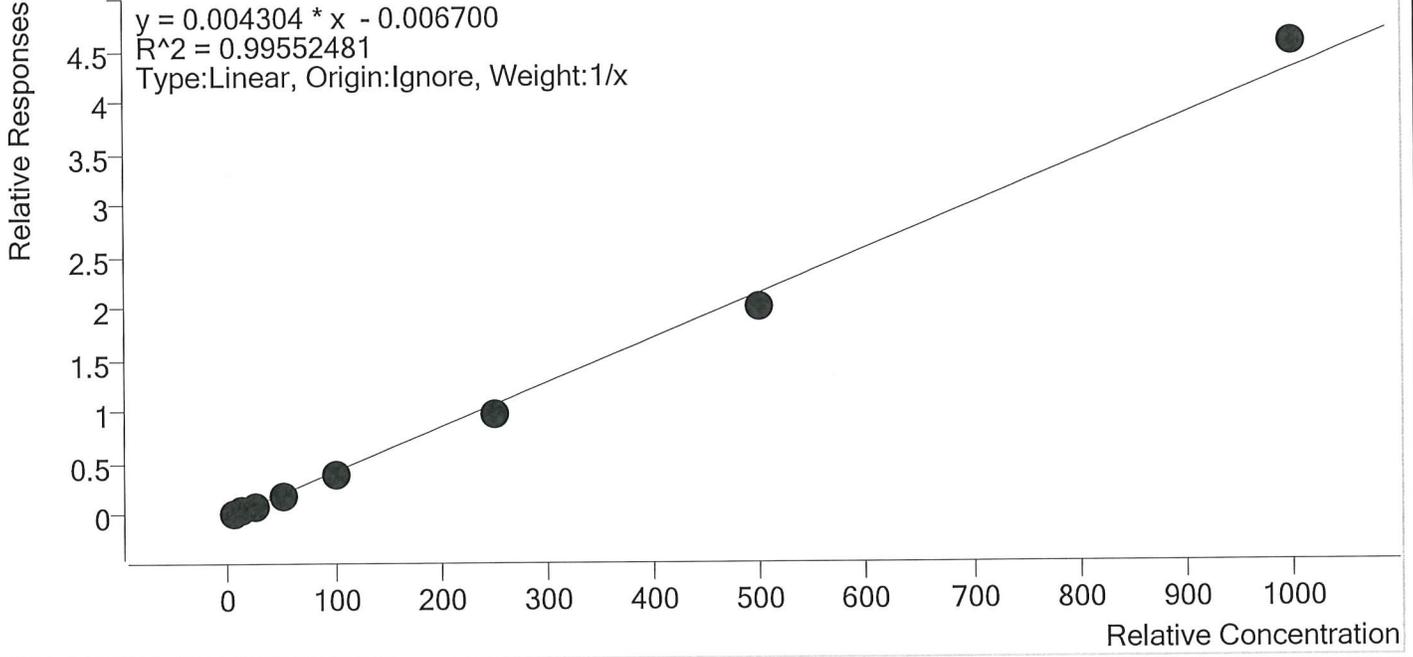
SS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.1	123.0
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	90.9	90.9
p1 Cal 6-250ng	6	✓	250.0	230.8	92.3
p1 Cal 7-500ng	7	✓	500.0	471.1	94.2
p1 Cal 8-1000ng	8	✓	1000.0	1059.4	105.9

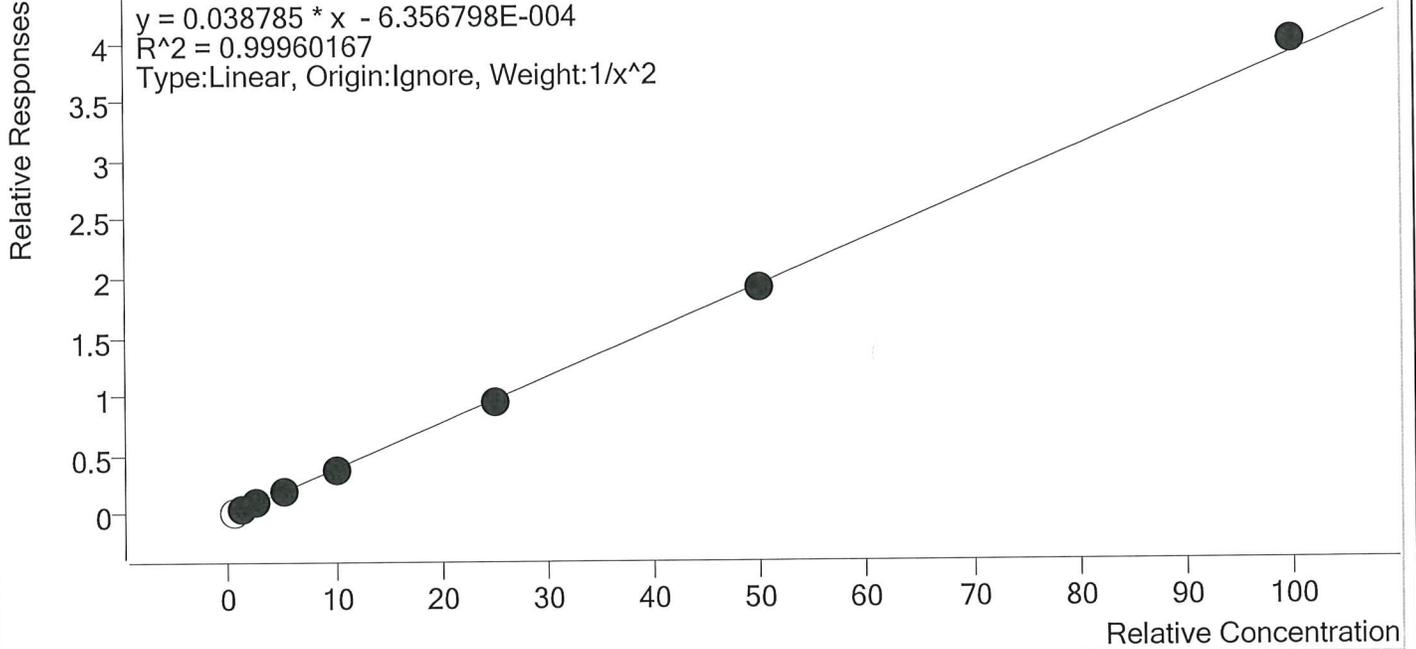
SJ



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

6-MAM - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 8 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	×	0.5	0.5	95.7
p1 Cal 2- 10ng	2	✓	1.0	1.0	100.5
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.3
p1 Cal 4-50ng	4	✓	5.0	5.1	101.6
p1 Cal 5-100ng	5	✓	10.0	9.9	99.5
p1 Cal 6-250ng	6	✓	25.0	24.5	98.2
p1 Cal 7-500ng	7	✓	50.0	49.6	99.2
p1 Cal 8-1000ng	8	✓	100.0	102.8	102.8

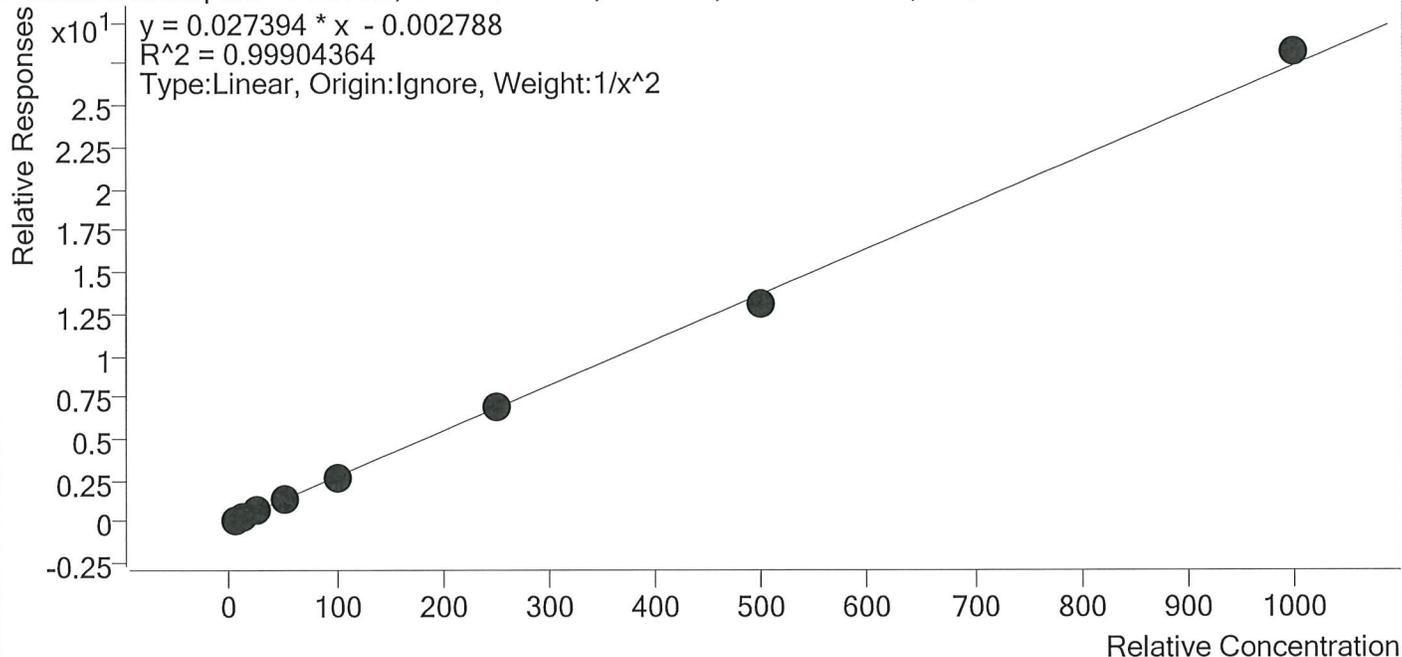
57



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



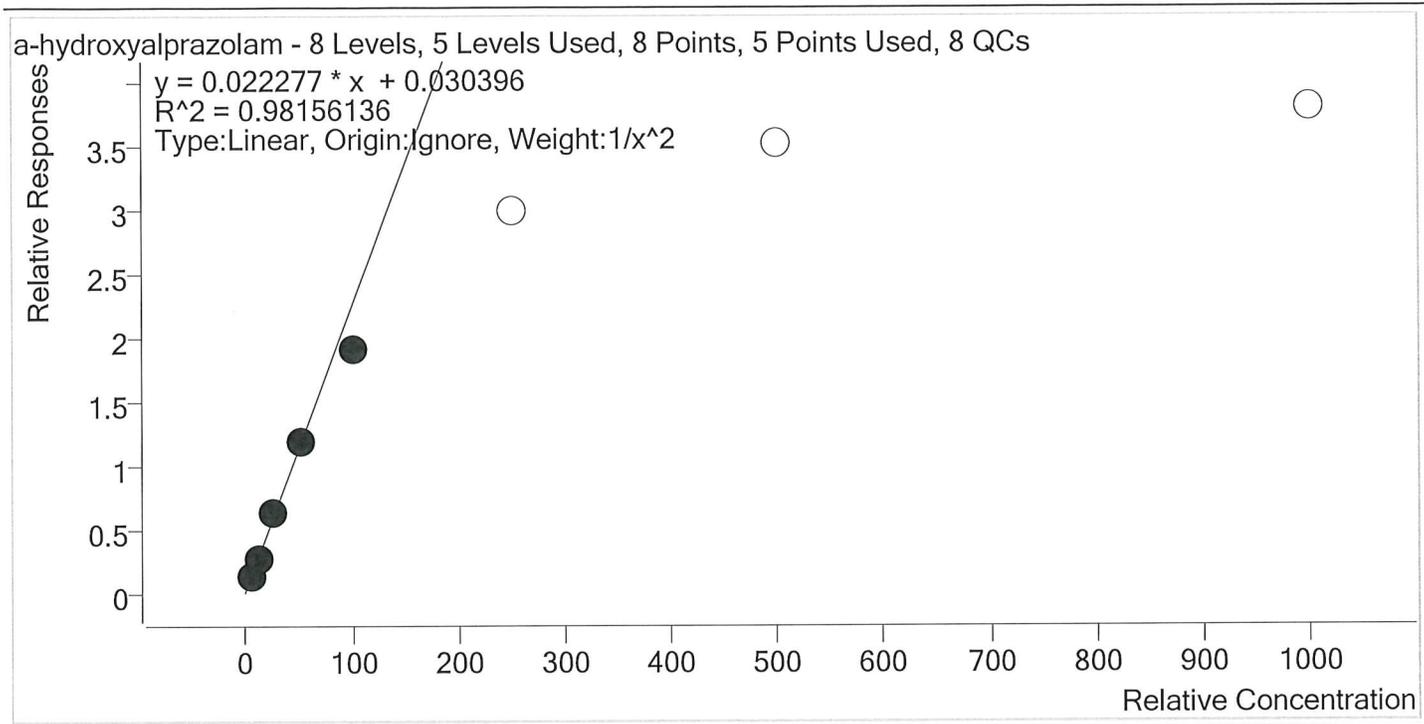
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	476.4	95.3
p1 Cal 8-1000ng	8	✓	1000.0	1029.7	103.0

SJ



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



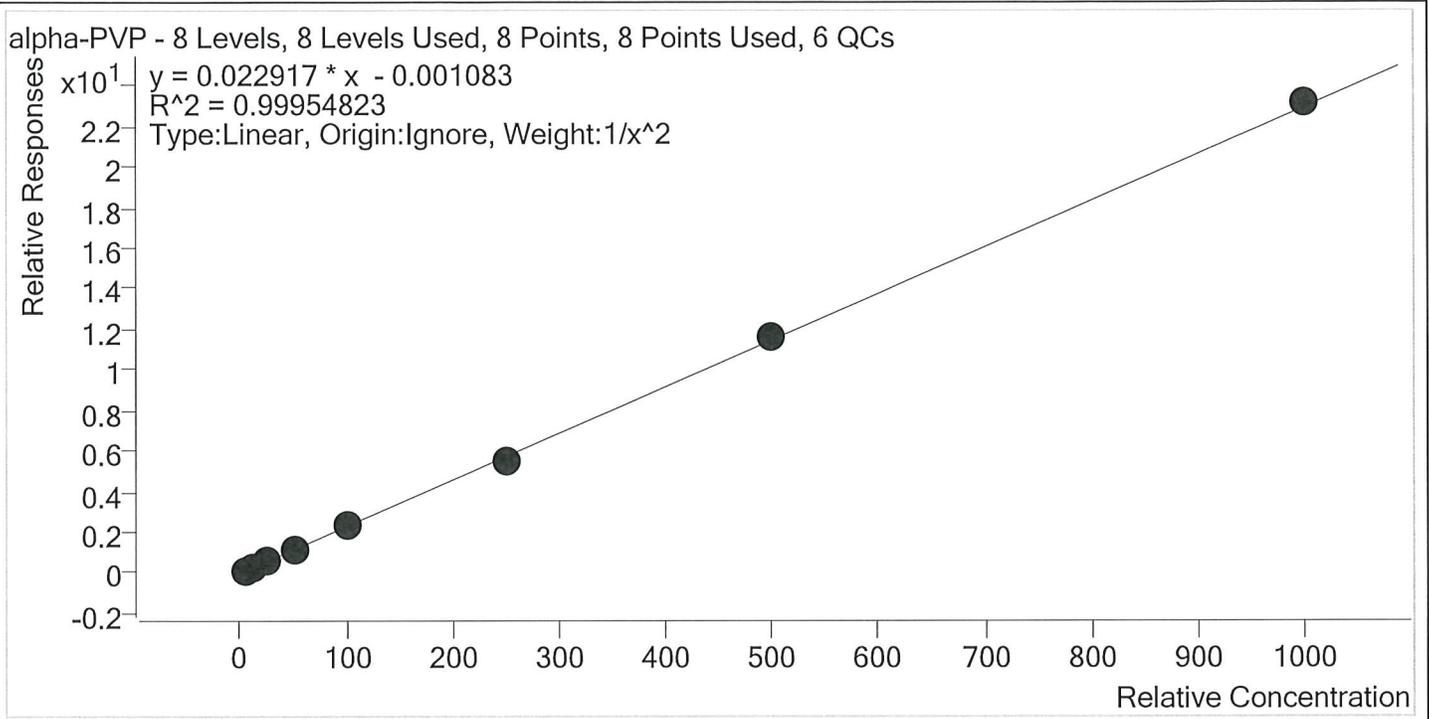
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.9
p1 Cal 2- 10ng	2	✓	10.0	11.0	109.8
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.4
p1 Cal 4-50ng	4	✓	50.0	52.1	104.3
p1 Cal 5-100ng	5	✓	100.0	84.5	84.5
p1 Cal 6-250ng	6	×	250.0	134.2	53.7
p1 Cal 7-500ng	7	×	500.0	157.9	31.6
p1 Cal 8-1000ng	8	×	1000.0	169.7	17.0

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

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Last Cal. Update 2/25/2021 1:58 PM  
 Analyst Name ISP\datastor  
 Analyte alpha-PVP Internal Standard alpha-PVP-d8



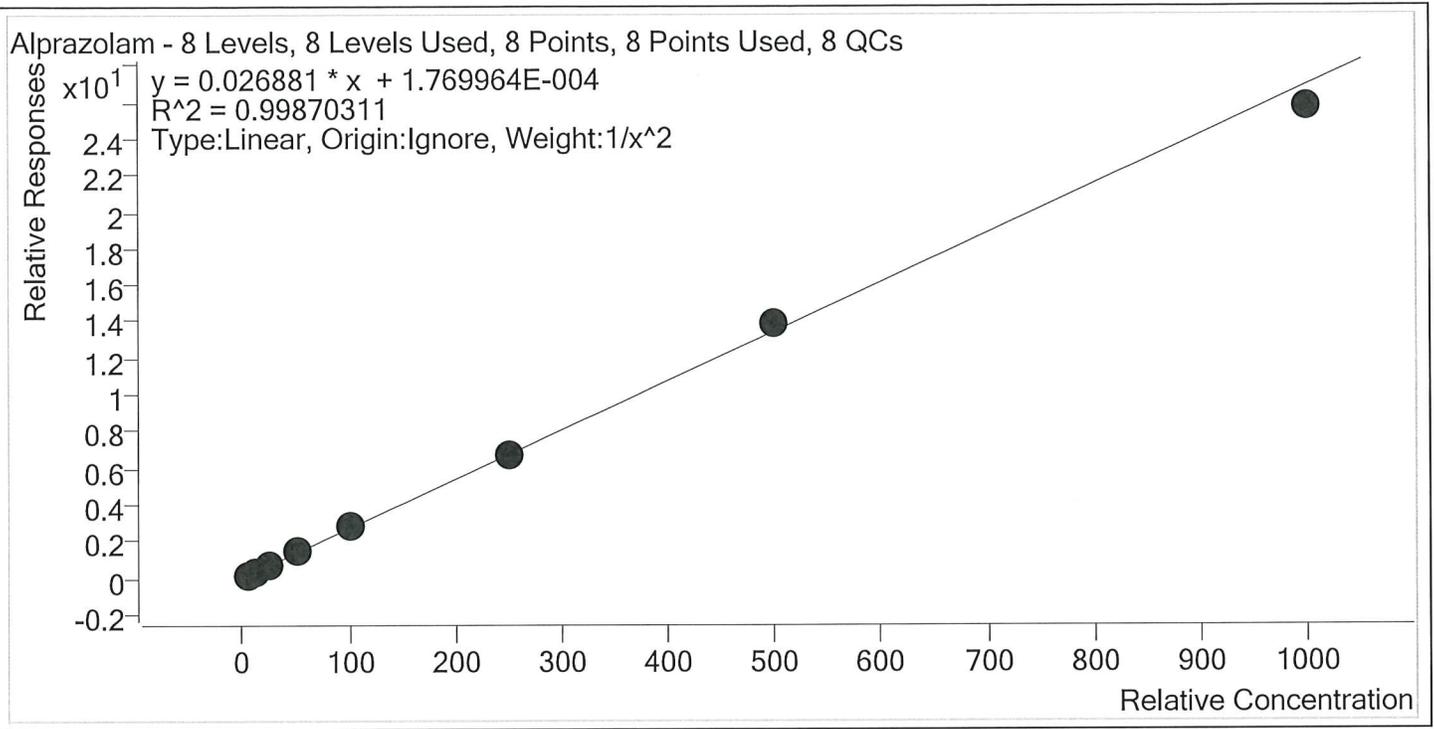
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	509.0	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1010.2	101.0

5J



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	513.8	102.8
p1 Cal 8-1000ng	8	✓	1000.0	956.4	95.6

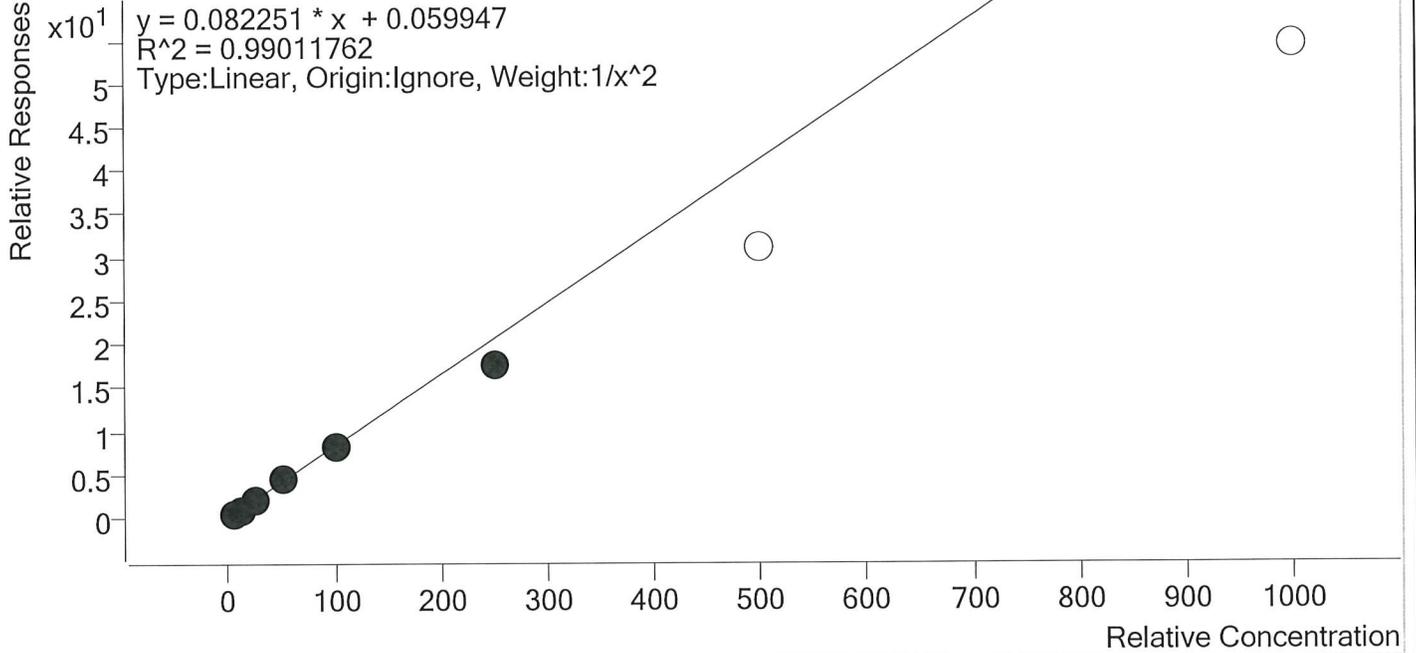
SJ



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

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Last Cal. Update 2/25/2021 1:58 PM  
 Analyst Name ISP\datastor  
 Analyte Amphetamine Internal Standard Amphetamine-D11

Amphetamine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 7 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	214.3	85.7
p1 Cal 7-500ng	7	×	500.0	379.2	75.8
p1 Cal 8-1000ng	8	×	1000.0	660.0	66.0

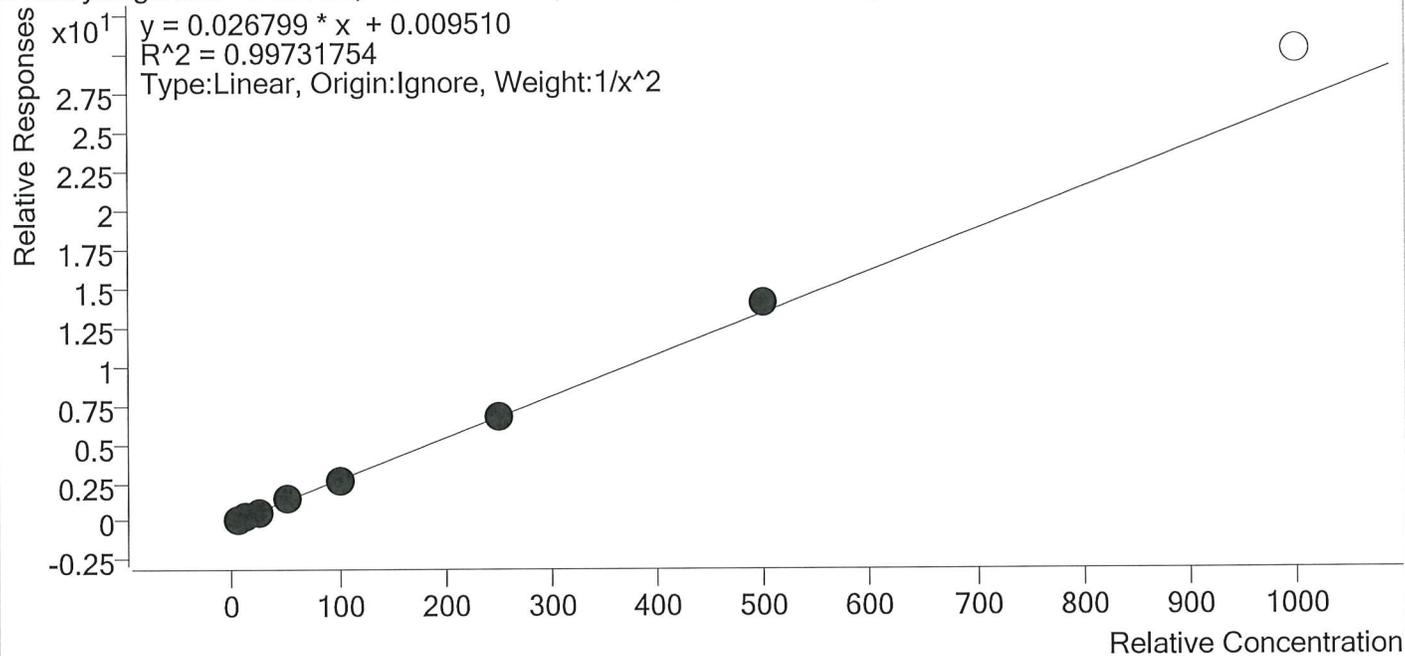
ST



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



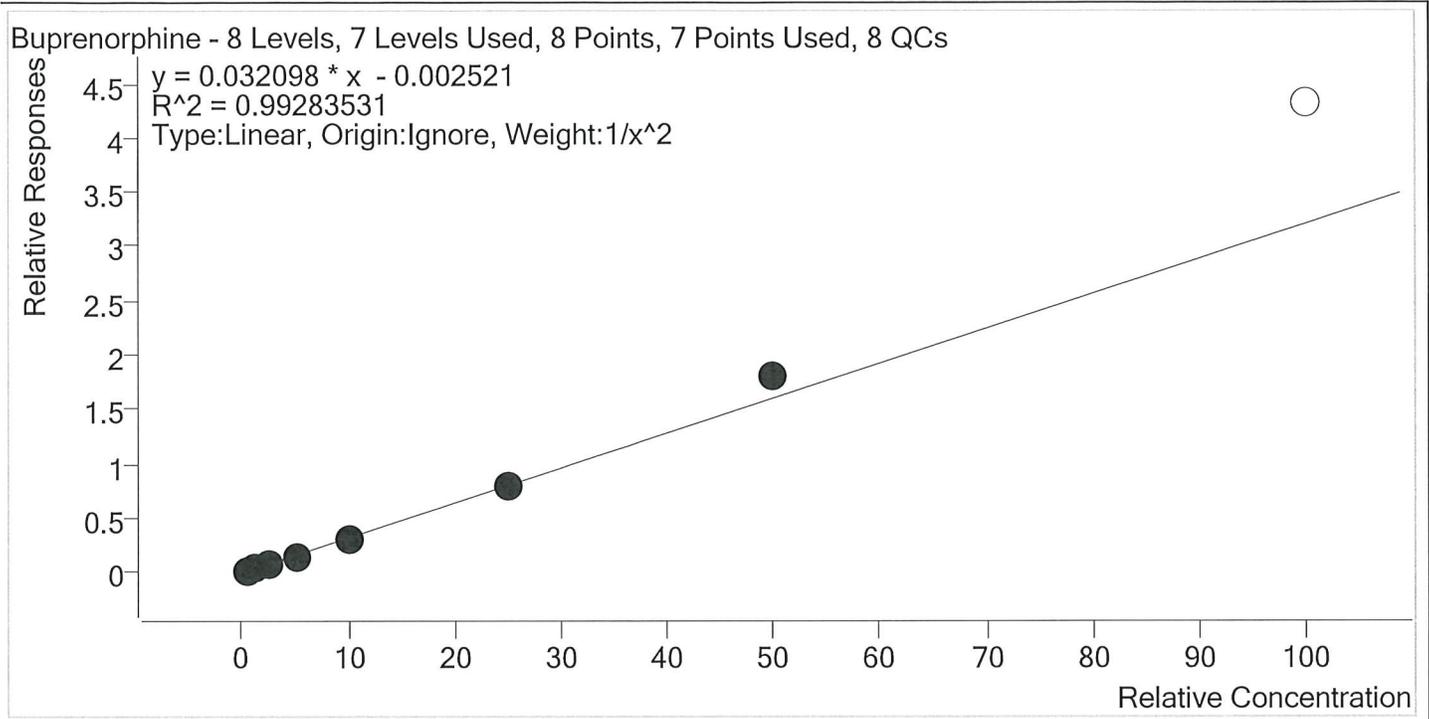
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2- 10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	52.4	104.7
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	523.5	104.7
p1 Cal 8-1000ng	8	×	1000.0	1129.8	113.0

ST



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

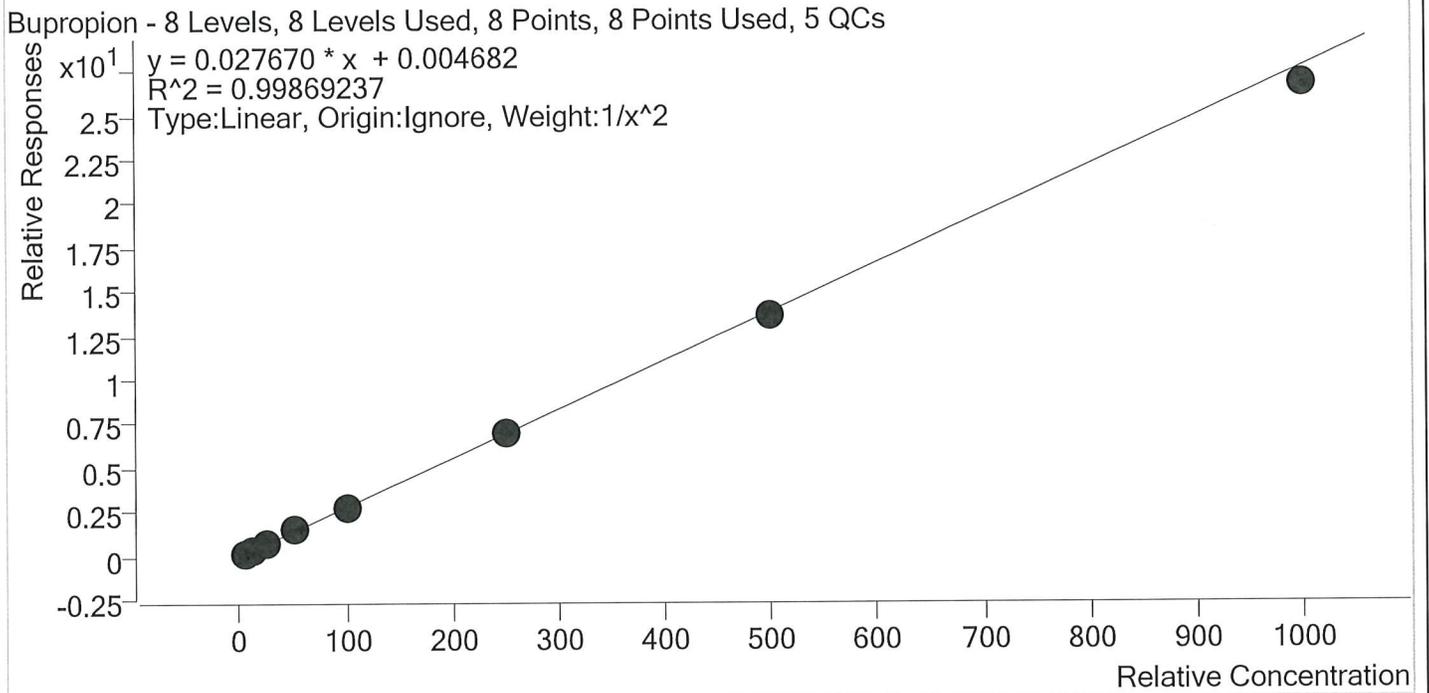


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	95.1
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.9
p1 Cal 4-50ng	4	✓	5.0	4.8	96.9
p1 Cal 5-100ng	5	✓	10.0	9.7	97.1
p1 Cal 6-250ng	6	✓	25.0	25.3	101.2
p1 Cal 7-500ng	7	✓	50.0	56.7	113.5
p1 Cal 8-1000ng	8	×	100.0	134.6	134.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

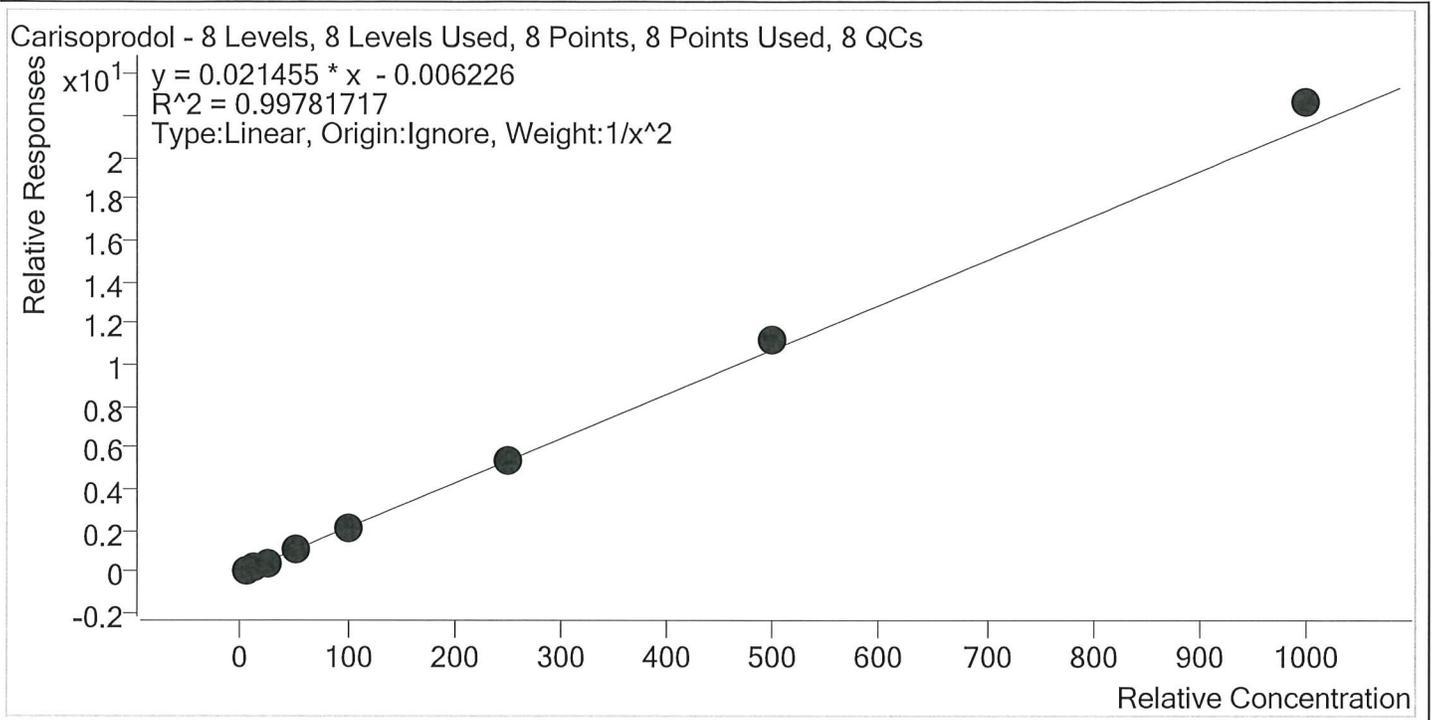


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	248.6	99.5
p1 Cal 7-500ng	7	✓	500.0	492.6	98.5
p1 Cal 8-1000ng	8	✓	1000.0	964.7	96.5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

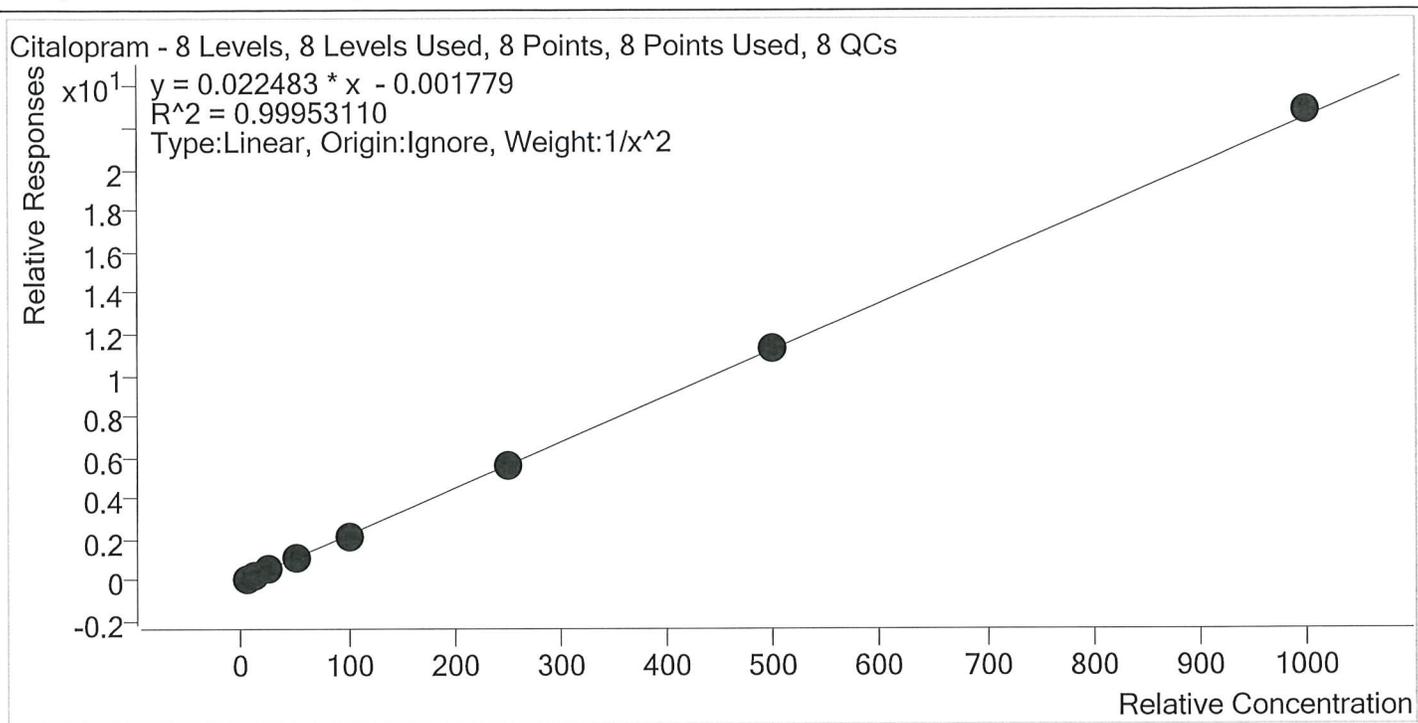


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	523.9	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1056.1	105.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1016.2	101.6

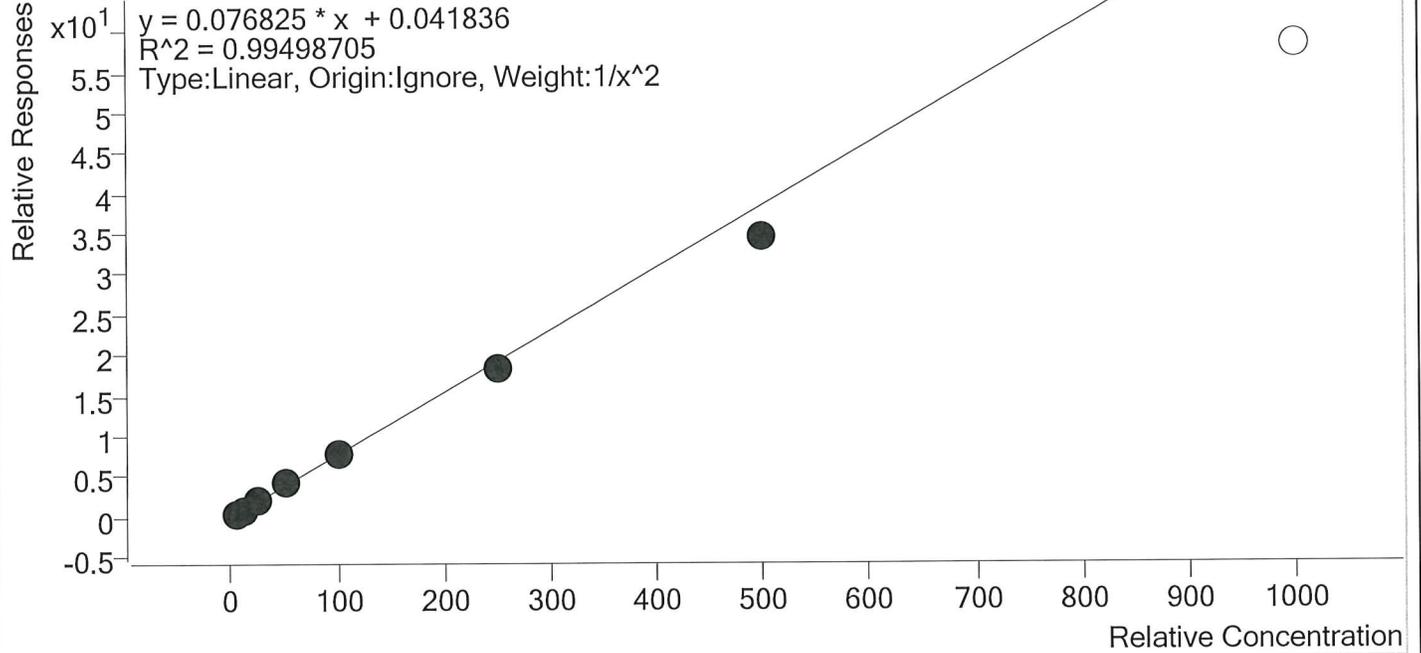
SP



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

Clonazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 8 QCs



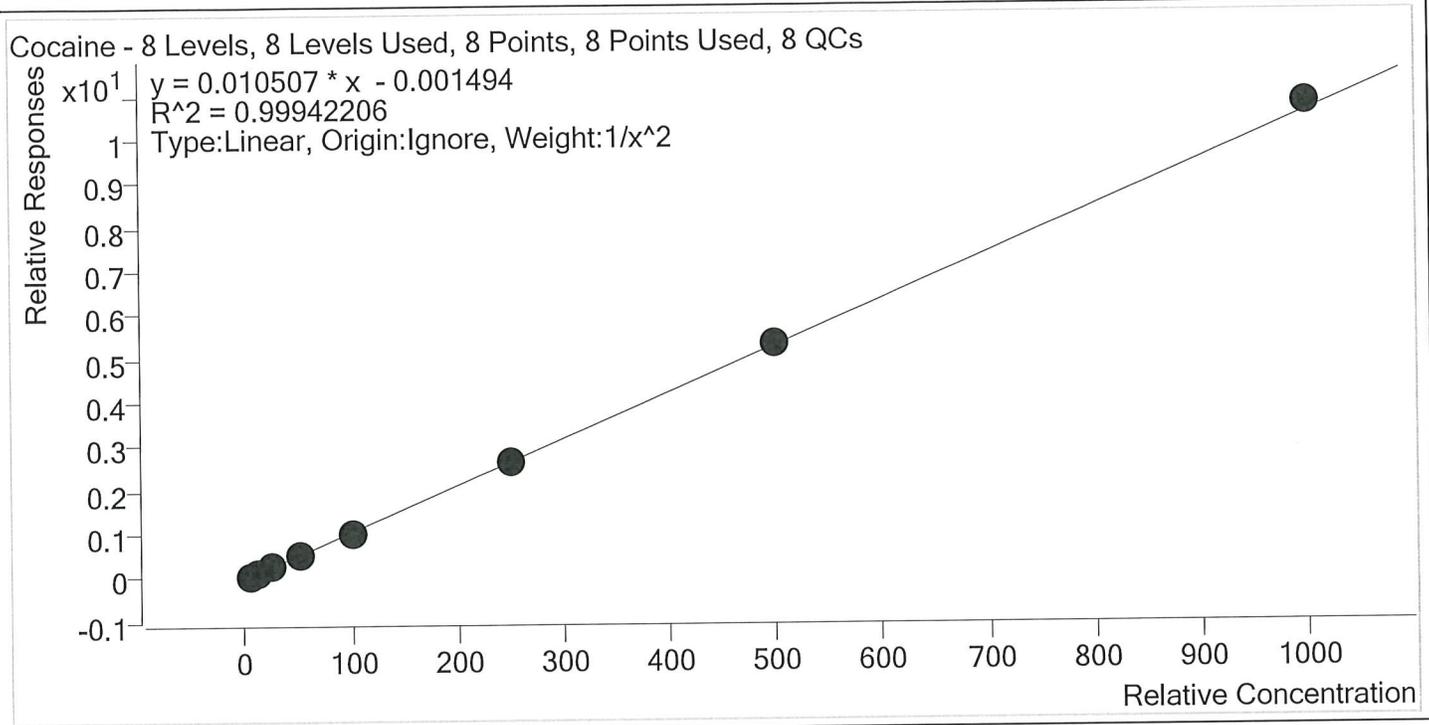
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng	4	✓	50.0	54.2	108.3
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	239.5	95.8
p1 Cal 7-500ng	7	✓	500.0	450.0	90.0
p1 Cal 8-1000ng	8	×	1000.0	757.6	75.8

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3



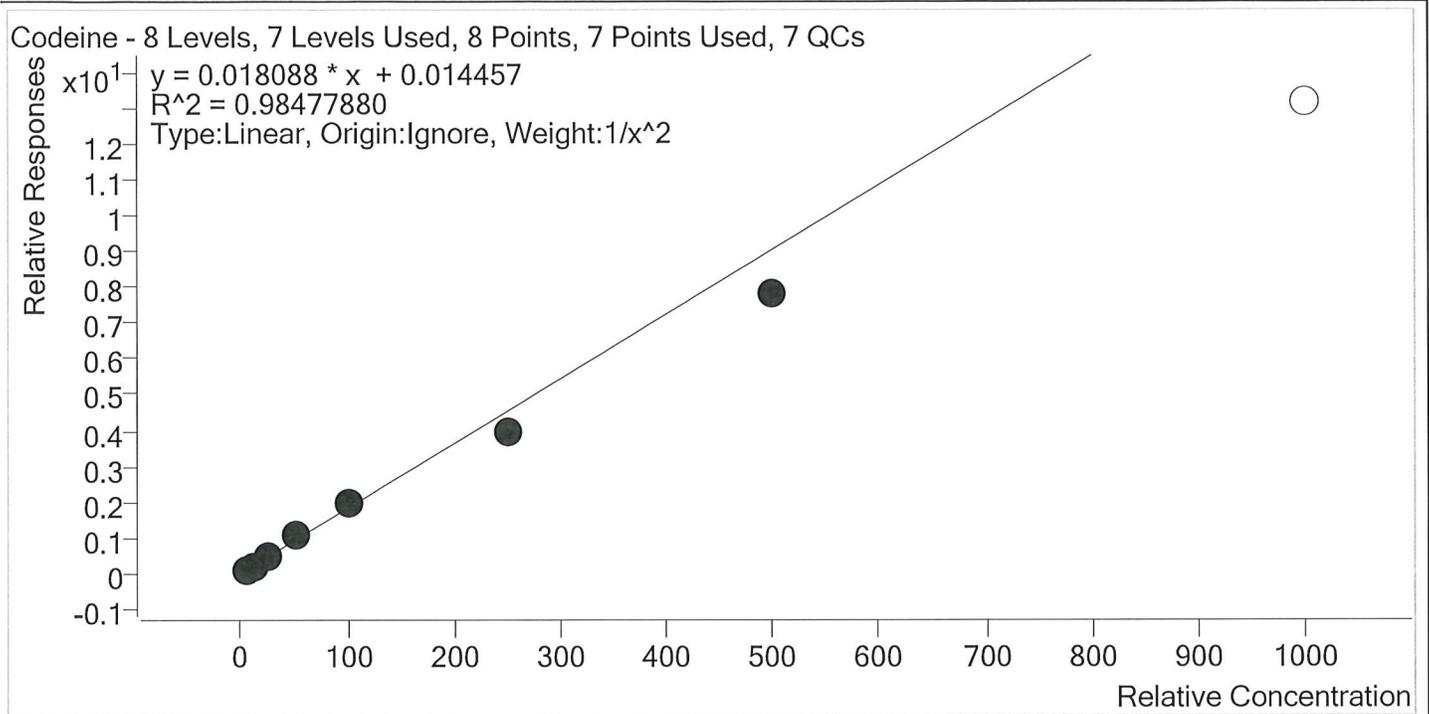
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	503.3	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1019.8	102.0

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



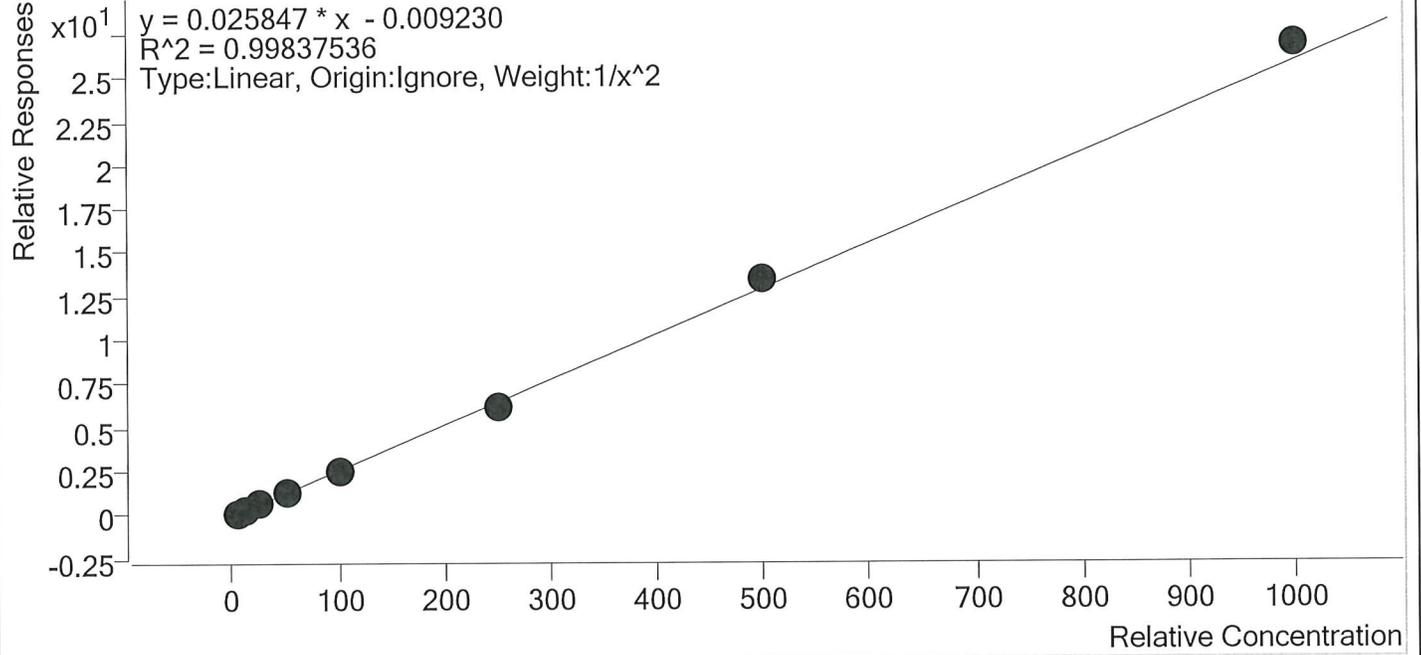
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2- 10ng	2	✓	10.0	10.5	105.5
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	57.0	114.0
p1 Cal 5-100ng	5	✓	100.0	106.5	106.5
p1 Cal 6-250ng	6	✓	250.0	219.6	87.8
p1 Cal 7-500ng	7	✓	500.0	430.4	86.1
p1 Cal 8-1000ng	8	×	1000.0	727.7	72.8



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

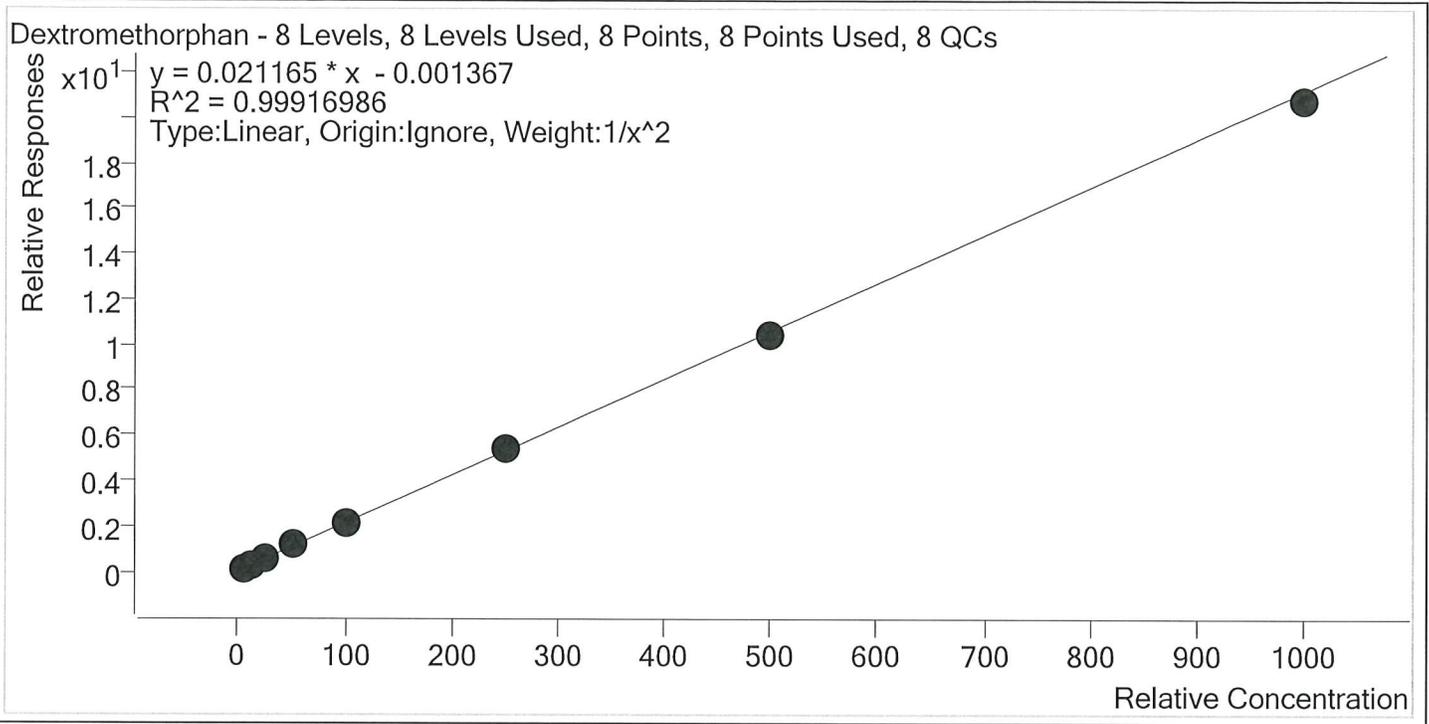


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.7	95.0
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	242.3	96.9
p1 Cal 7-500ng	7	✓	500.0	521.3	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1038.4	103.8



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



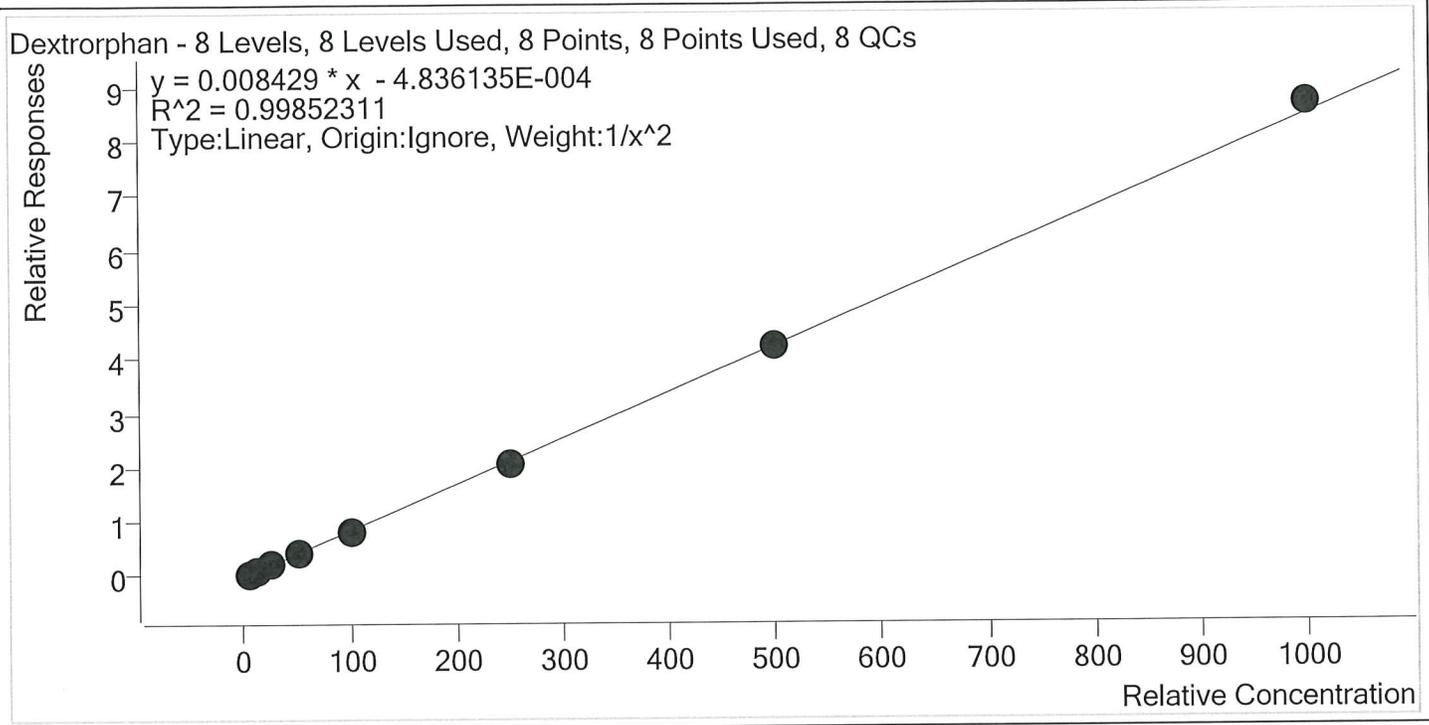
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	491.9	98.4
p1 Cal 8-1000ng	8	✓	1000.0	979.7	98.0

5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrophan **Internal Standard** Dextrophan-D3



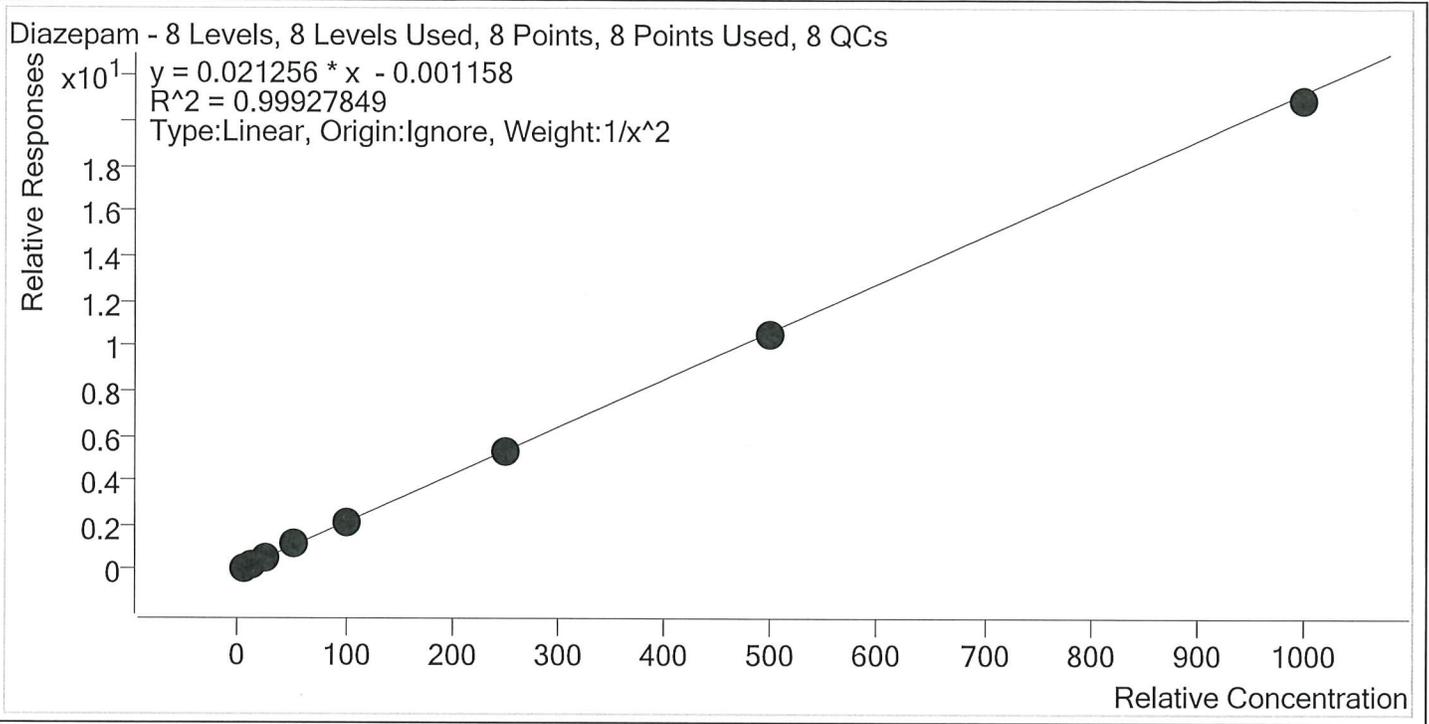
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	242.7	97.1
p1 Cal 7-500ng	7	✓	500.0	500.5	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1024.8	102.5

55



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



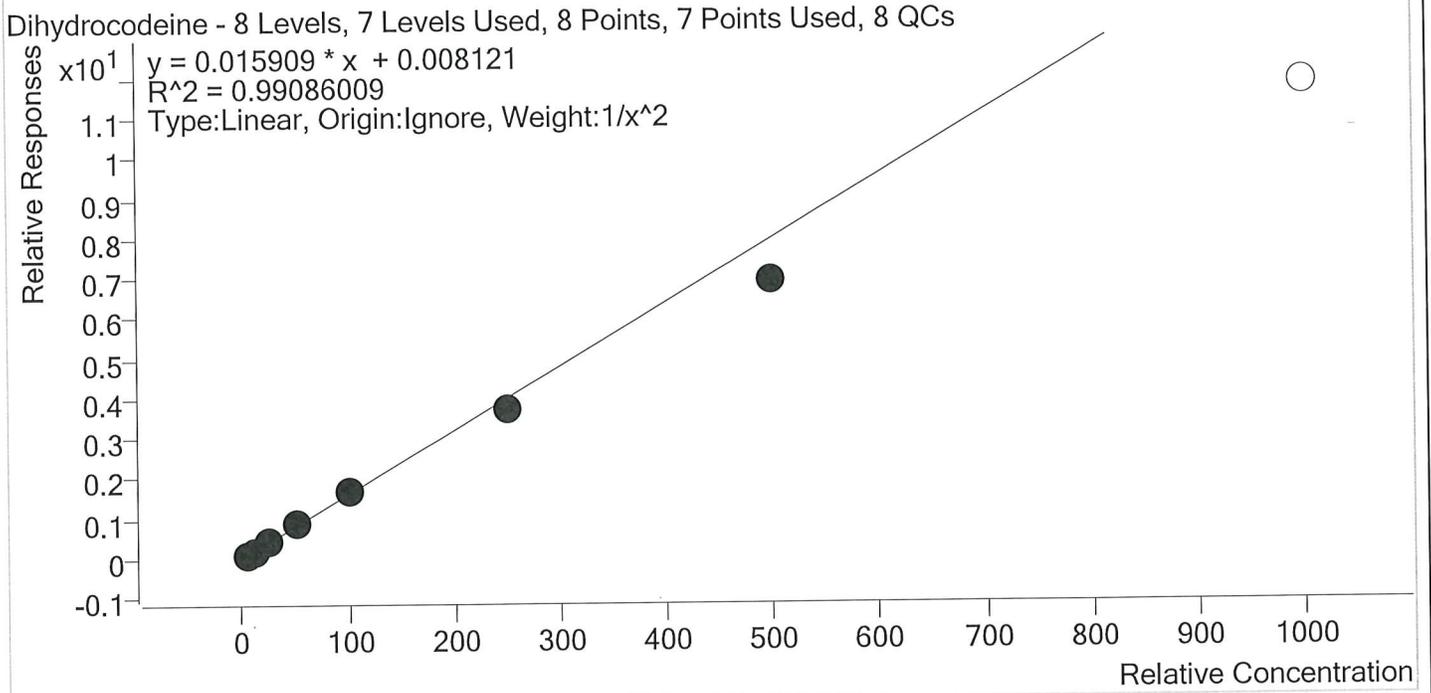
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	492.7	98.5
p1 Cal 8-1000ng	8	✓	1000.0	983.5	98.3

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



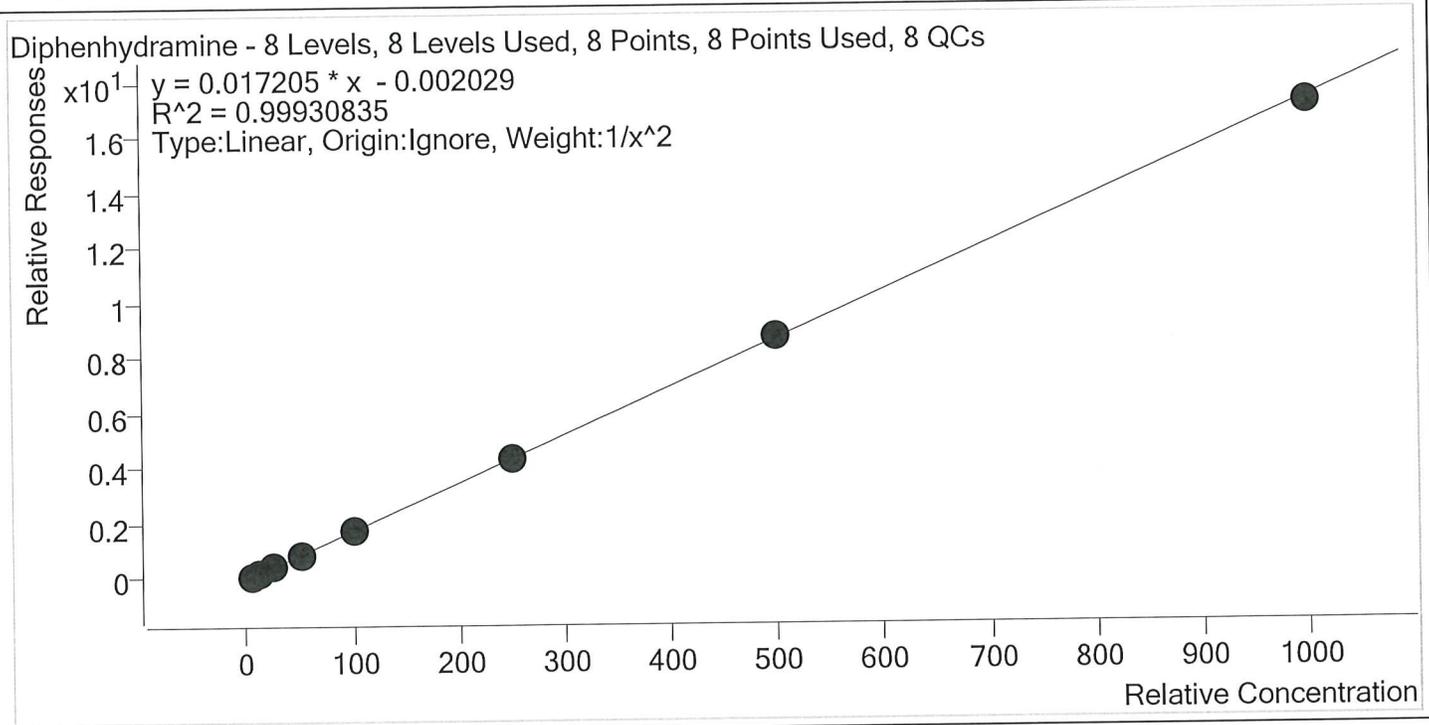
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	55.7	111.5
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	235.6	94.2
p1 Cal 7-500ng	7	✓	500.0	433.8	86.8
p1 Cal 8-1000ng	8	×	1000.0	741.6	74.2

SJ



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

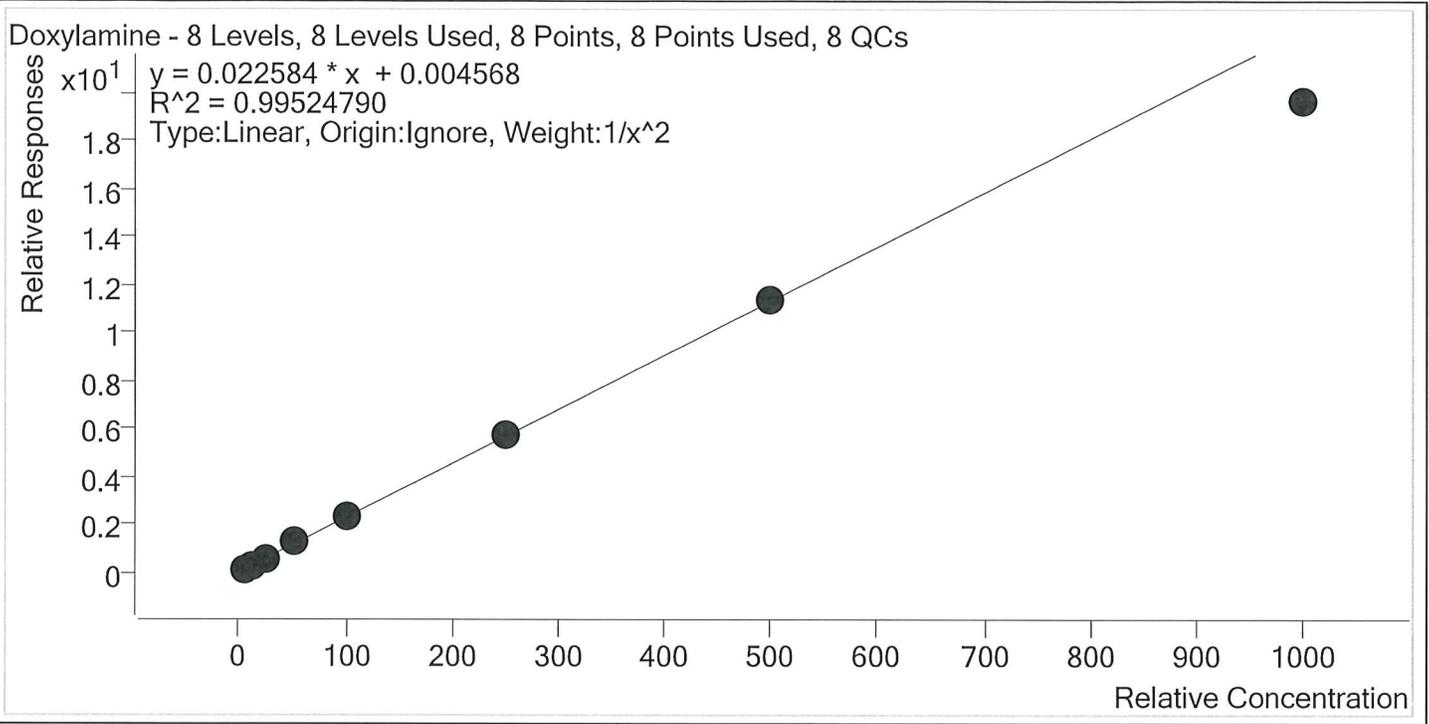


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	989.5	98.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

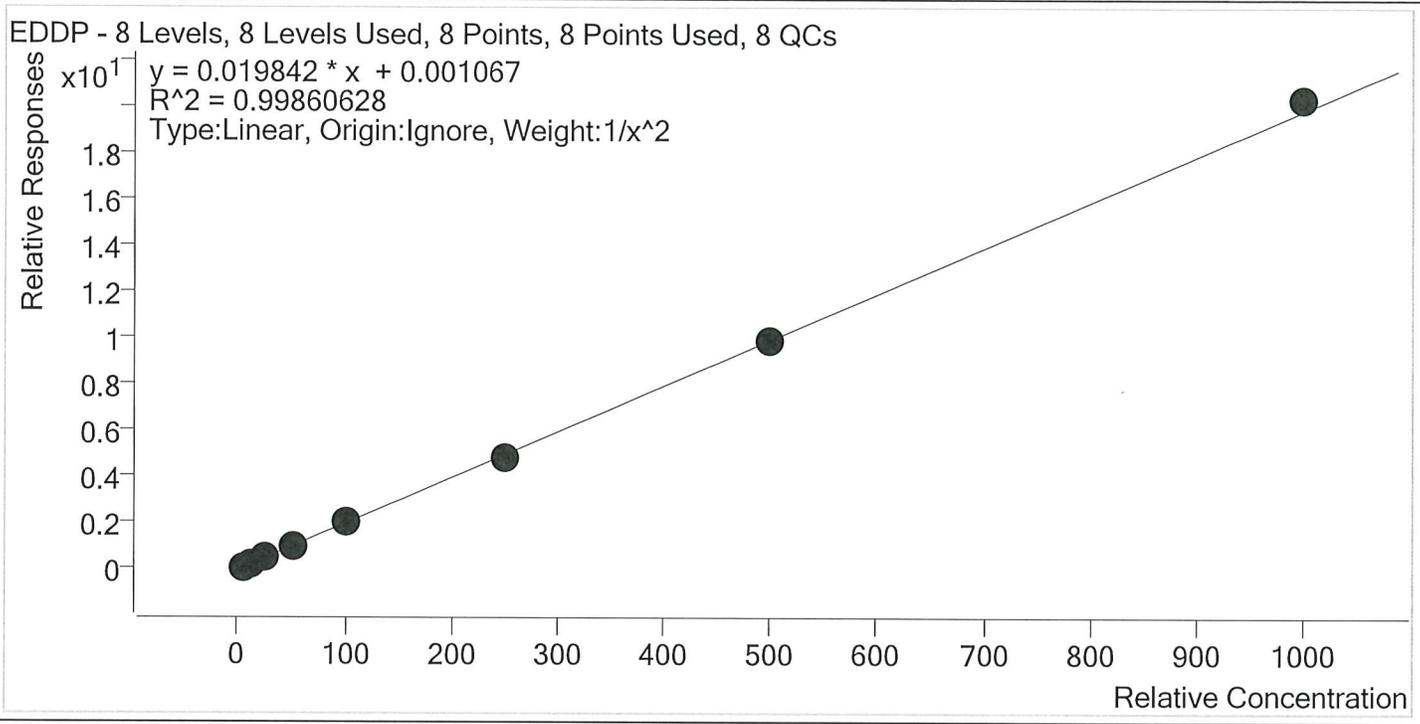


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	501.5	100.3
p1 Cal 8-1000ng	8	✓	1000.0	868.8	86.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

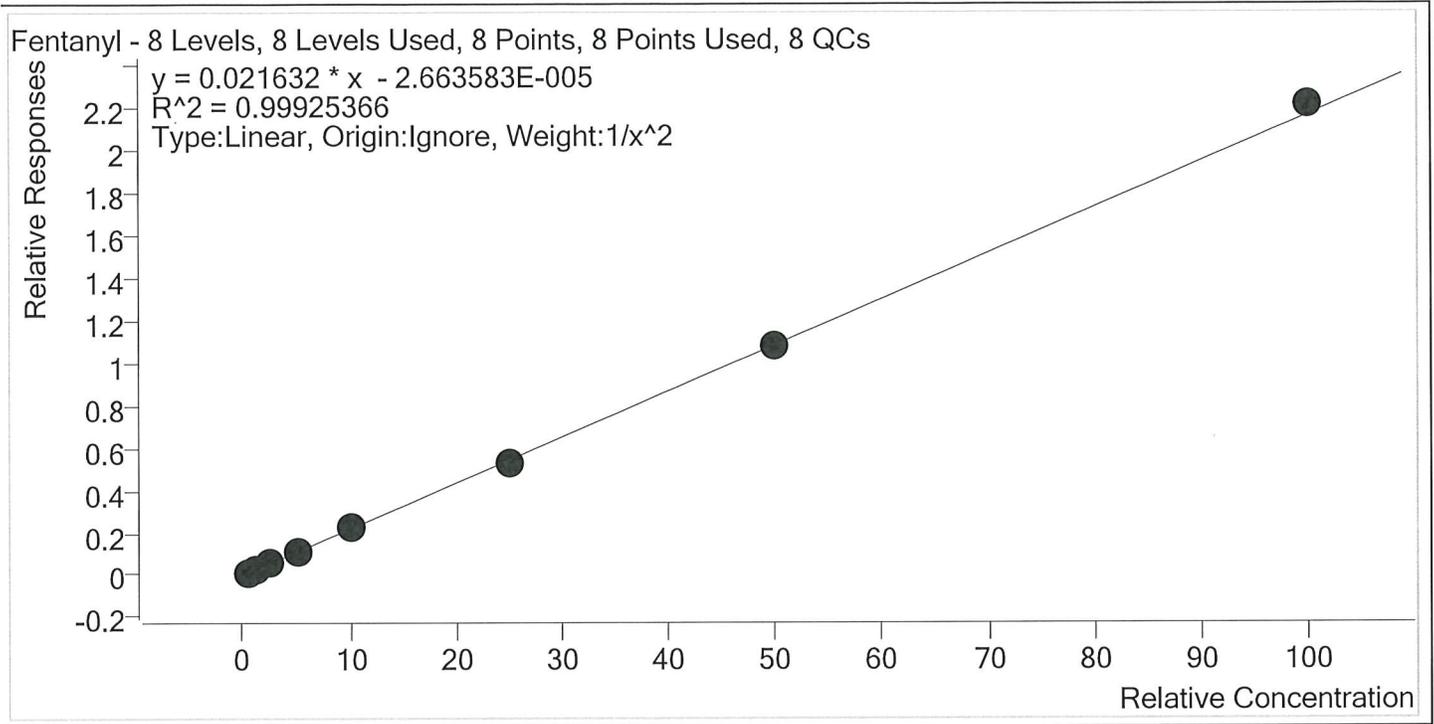


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	242.3	96.9
p1 Cal 7-500ng	7	✓	500.0	500.0	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1023.4	102.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

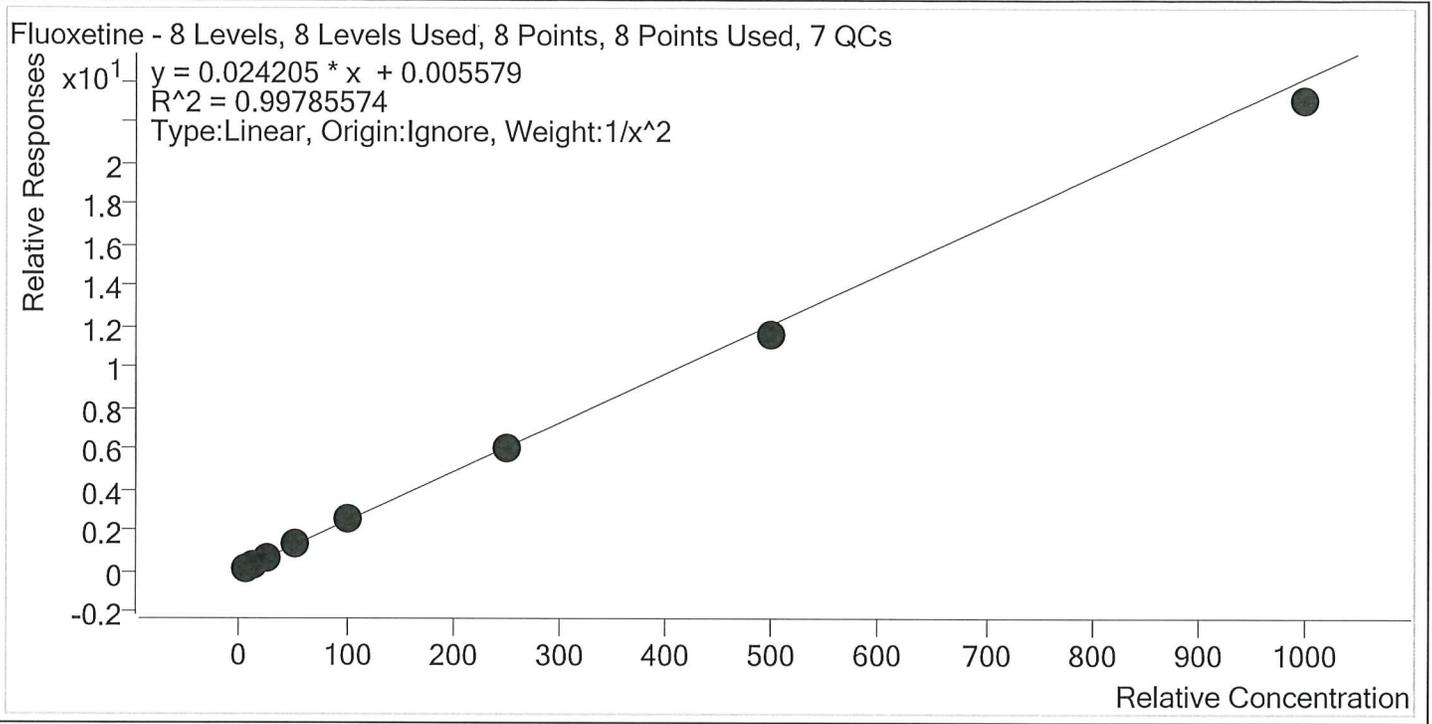


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.0
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.4
p1 Cal 4-50ng	4	✓	5.0	5.2	103.5
p1 Cal 5-100ng	5	✓	10.0	10.1	101.1
p1 Cal 6-250ng	6	✓	25.0	24.5	97.8
p1 Cal 7-500ng	7	✓	50.0	49.6	99.3
p1 Cal 8-1000ng	8	✓	100.0	102.3	102.3



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



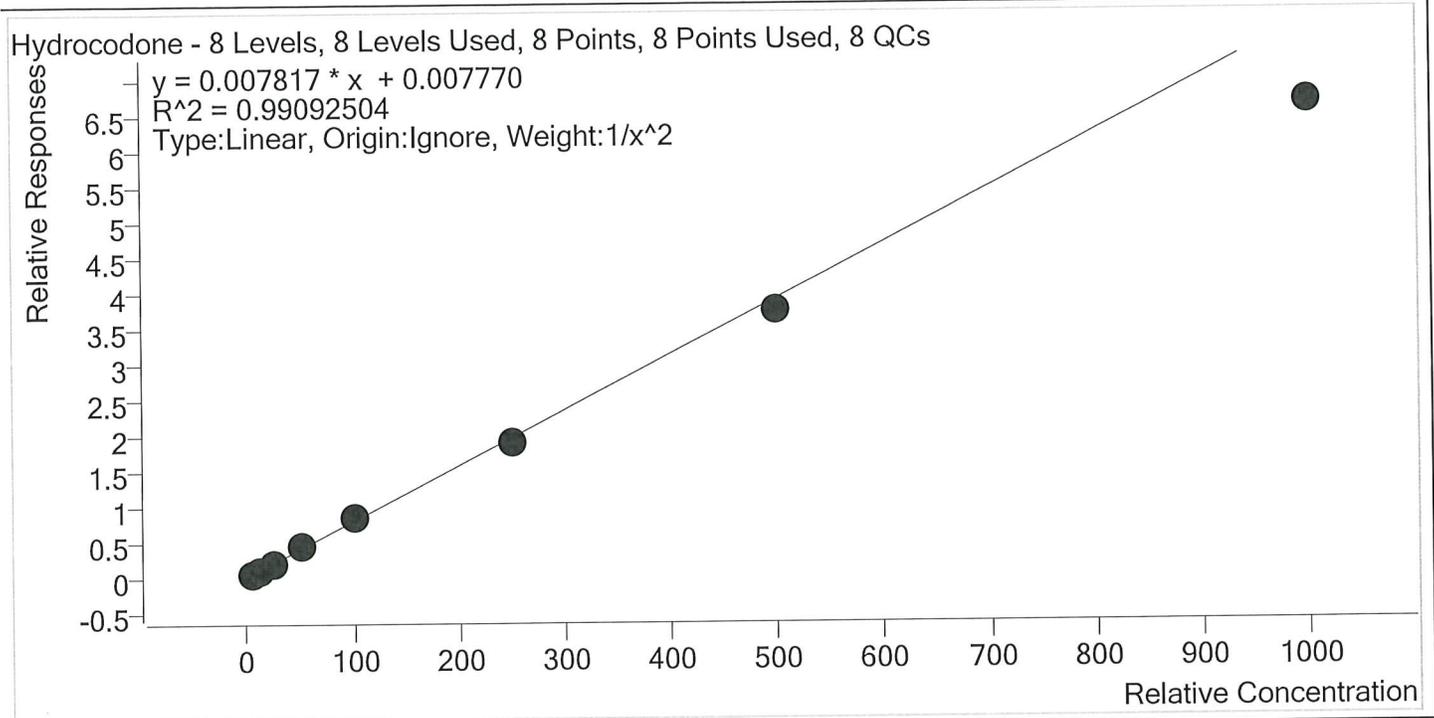
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.2
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	482.3	96.5
p1 Cal 8-1000ng	8	✓	1000.0	954.3	95.4

SP



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



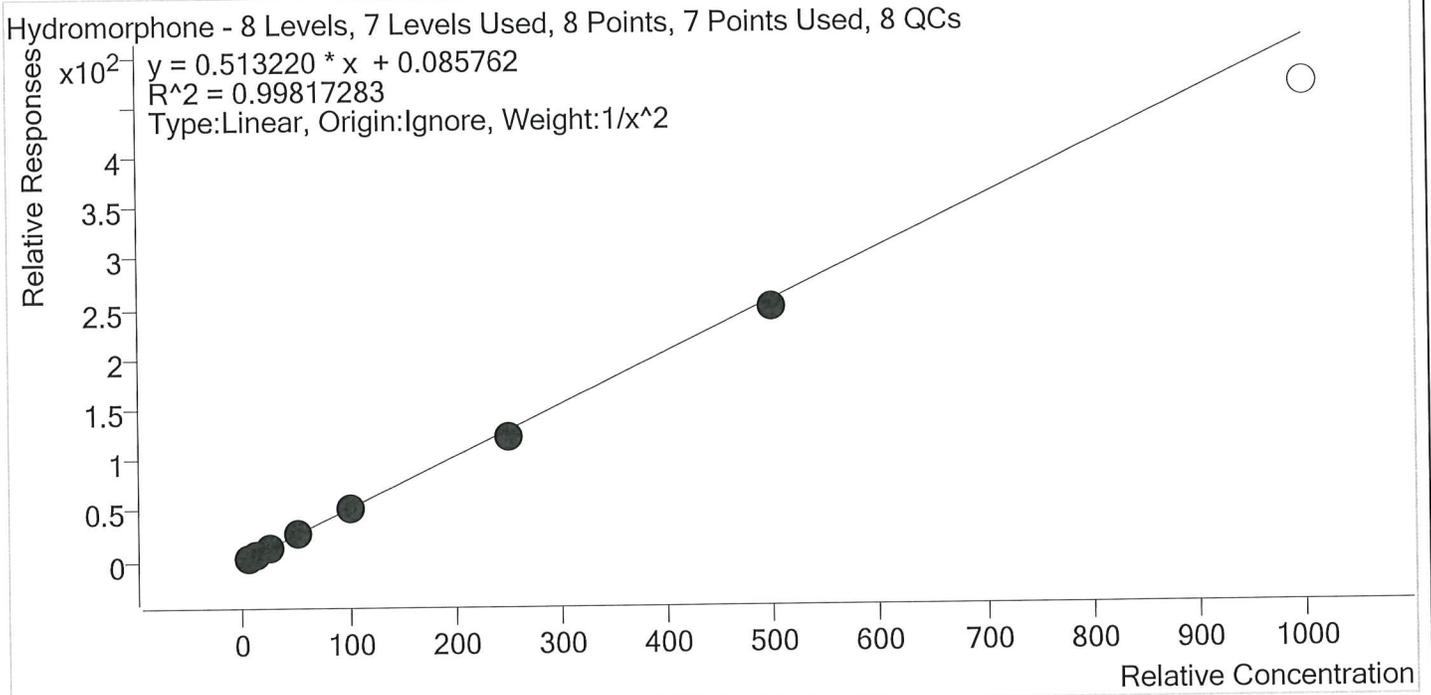
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.1
p1 Cal 2- 10ng	2	✓	10.0	10.8	107.8
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	480.2	96.0
p1 Cal 8-1000ng	8	✓	1000.0	851.4	85.1

5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Morphine-D6



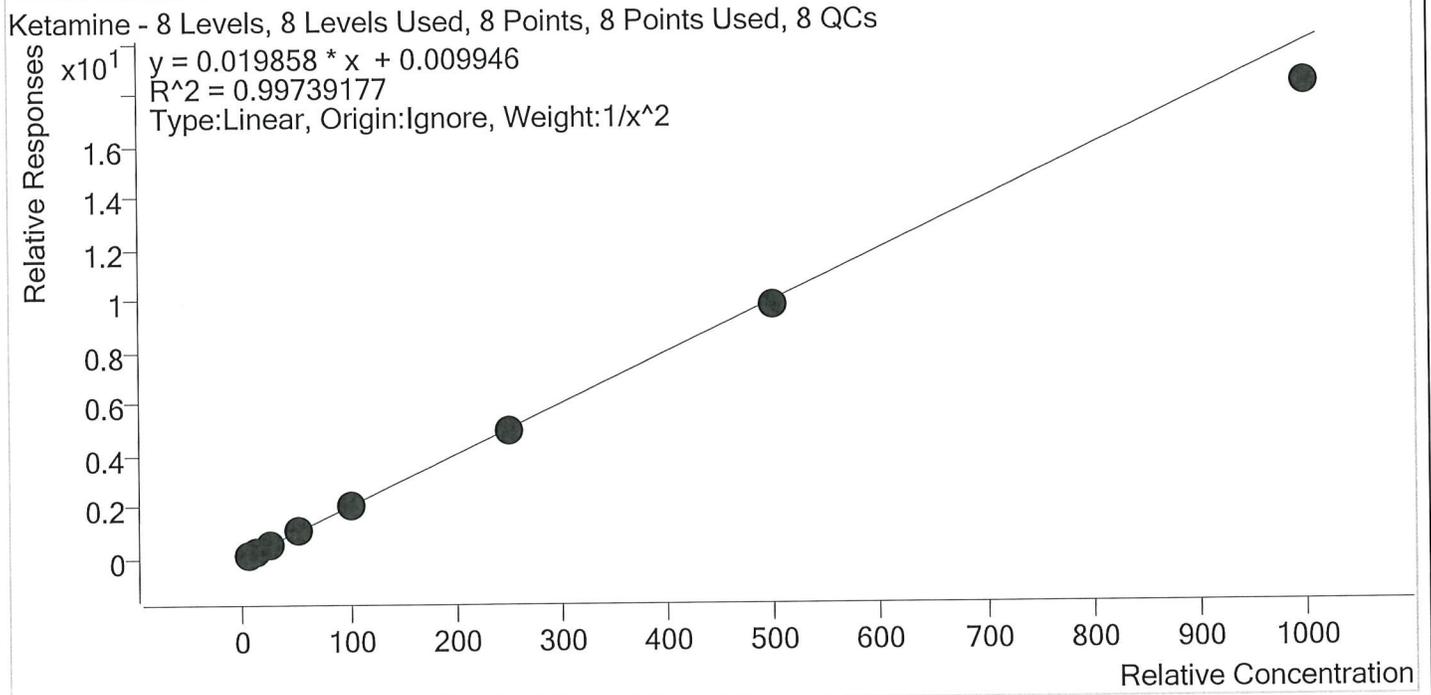
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	238.9	95.5
p1 Cal 7-500ng	7	✓	500.0	482.0	96.4
p1 Cal 8-1000ng	8	×	1000.0	909.4	90.9

ST



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

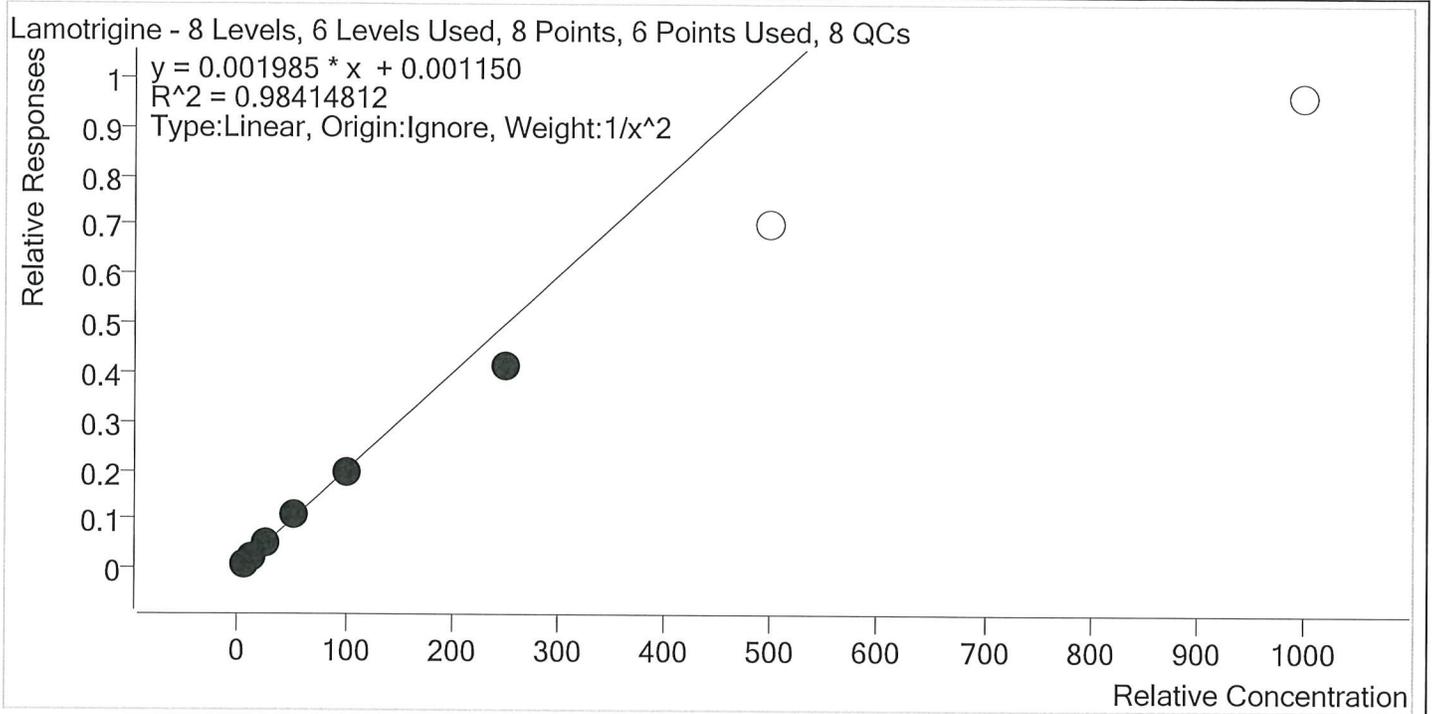


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	487.2	97.4
p1 Cal 8-1000ng	8	✓	1000.0	919.8	92.0



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



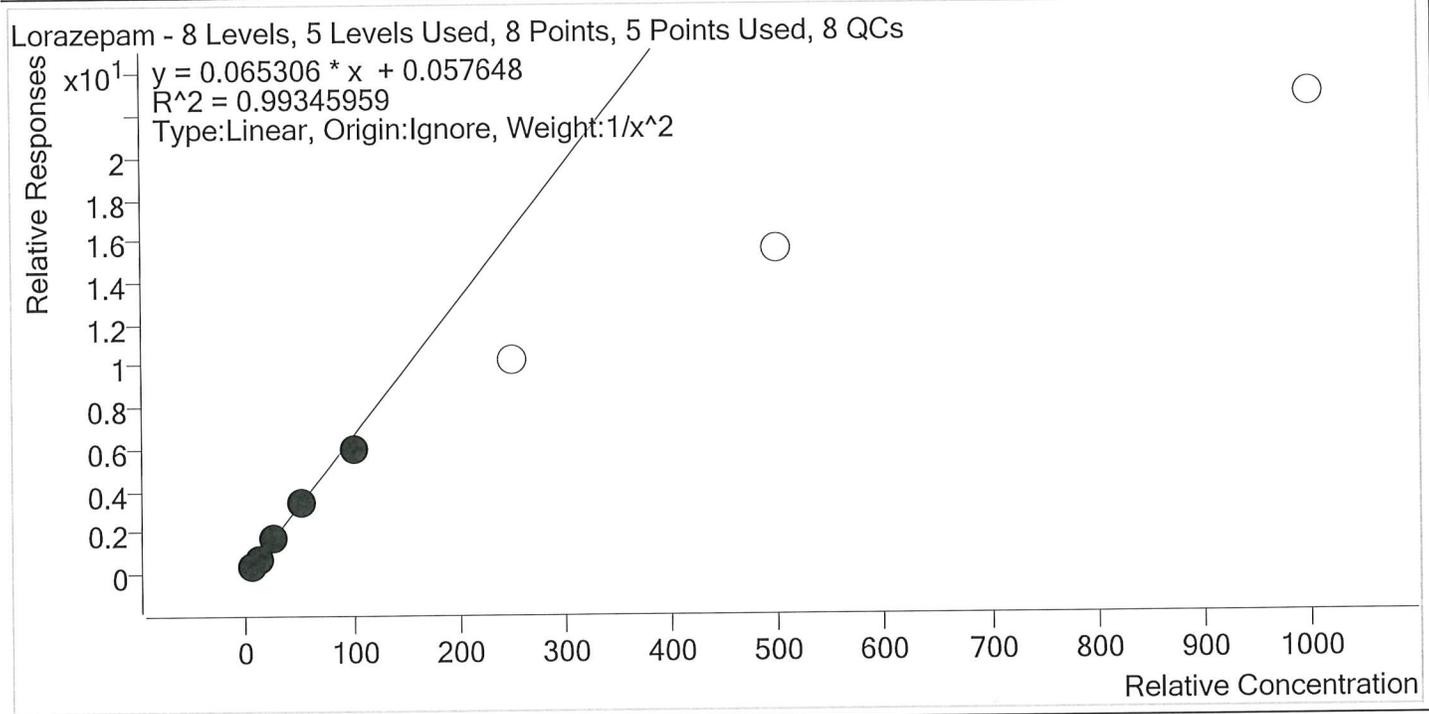
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.9
p1 Cal 2- 10ng	2	✓	10.0	10.9	109.2
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	206.5	82.6
p1 Cal 7-500ng	7	×	500.0	354.6	70.9
p1 Cal 8-1000ng	8	×	1000.0	484.2	48.4

5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

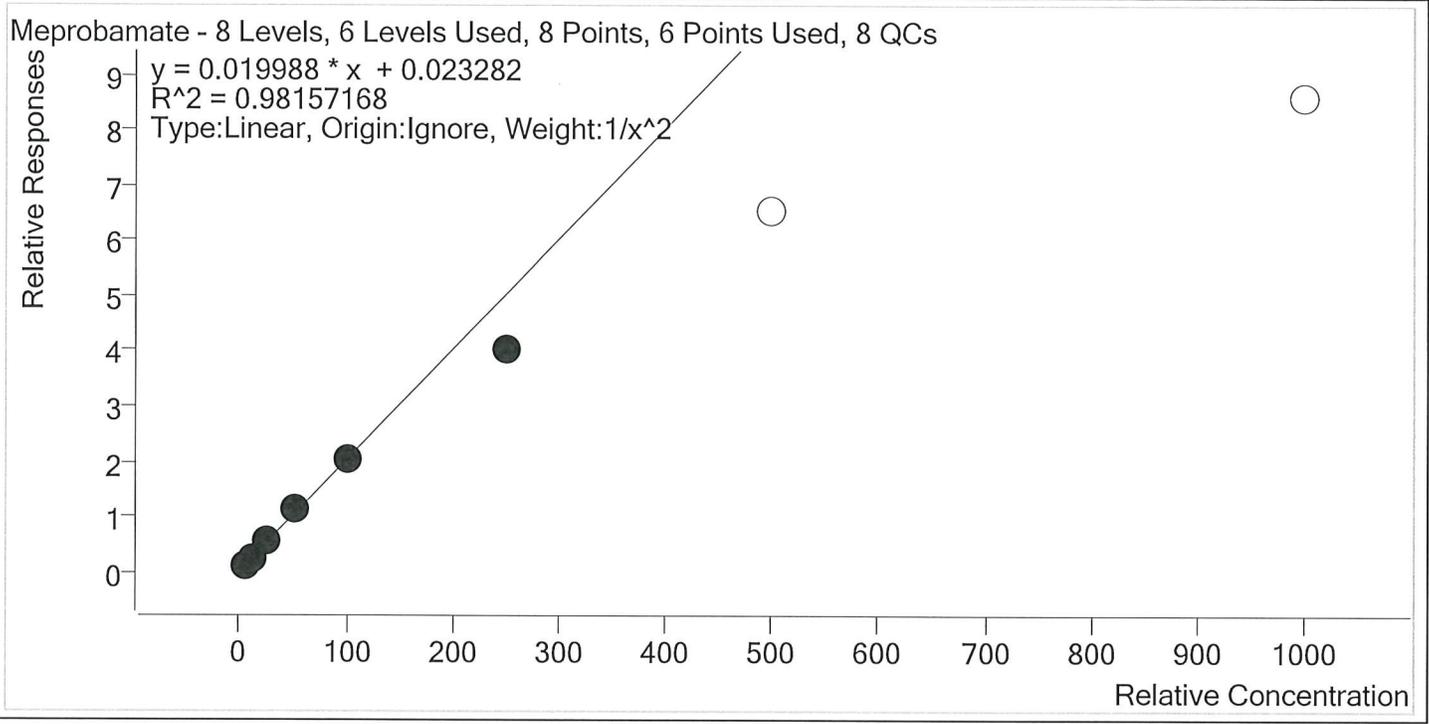


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.6
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	90.1	90.1
p1 Cal 6-250ng	6	×	250.0	156.6	62.7
p1 Cal 7-500ng	7	×	500.0	237.7	47.5
p1 Cal 8-1000ng	8	×	1000.0	349.1	34.9



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



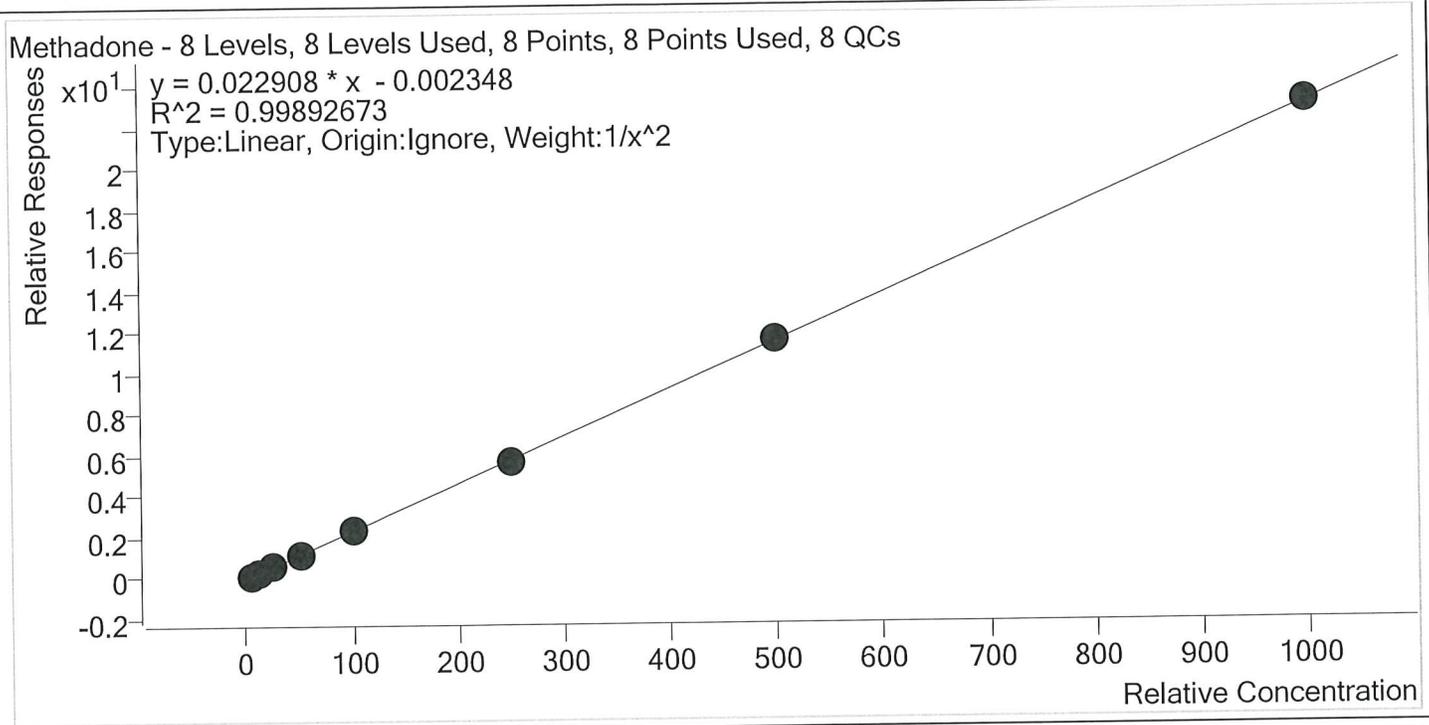
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	55.9	111.8
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	200.2	80.1
p1 Cal 7-500ng	7	×	500.0	325.3	65.1
p1 Cal 8-1000ng	8	×	1000.0	427.9	42.8

55



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9



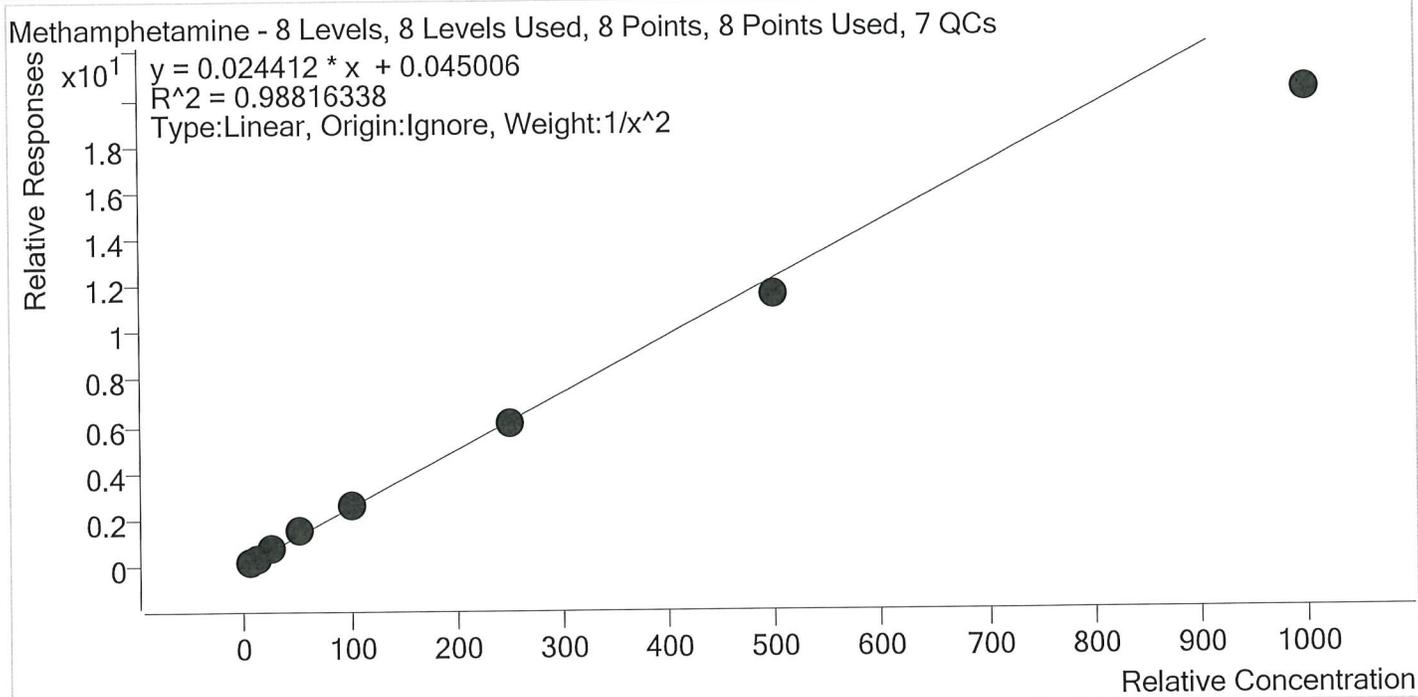
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.4
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1002.7	100.3

SS



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

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Last Cal. Update 2/25/2021 1:58 PM  
 Analyst Name ISP\datastor  
 Analyte Methamphetamine Internal Standard Methamphetamine-D11

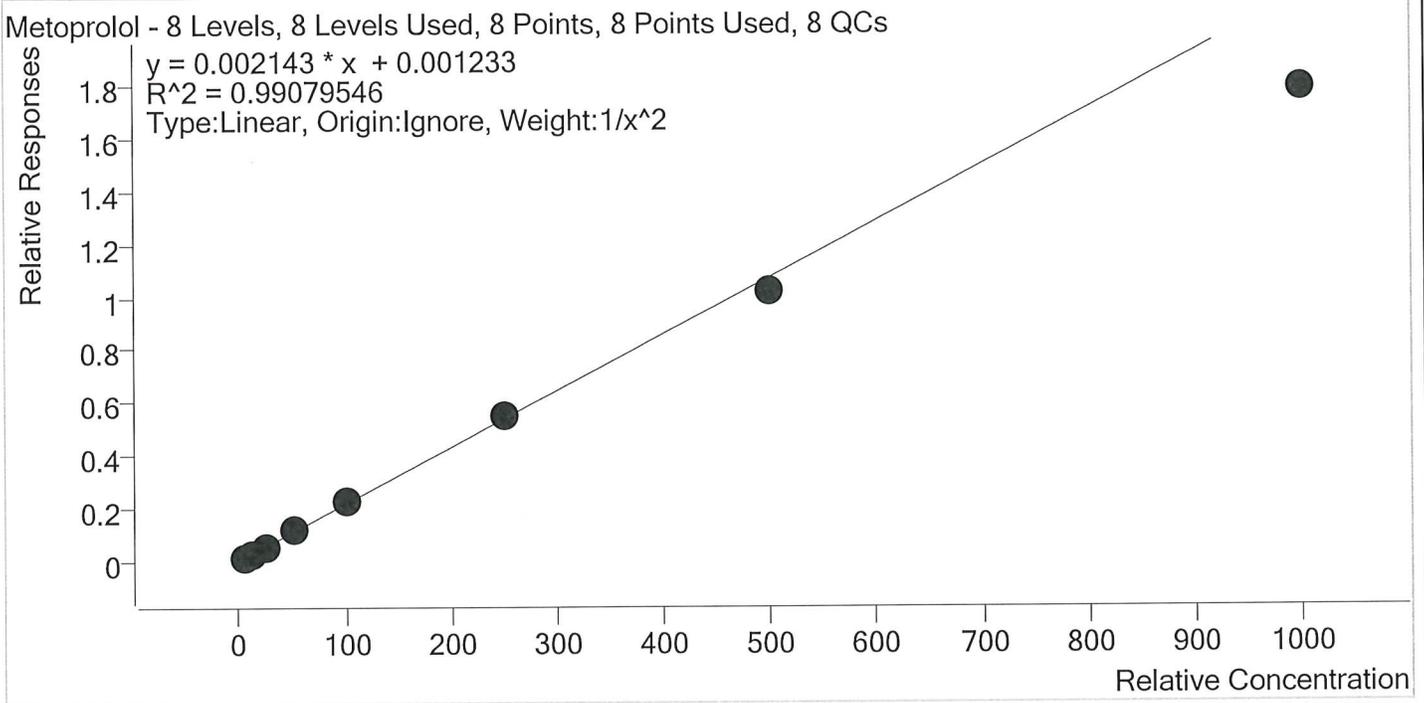


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	57.4	114.7
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	469.1	93.8
p1 Cal 8-1000ng	8	✓	1000.0	826.4	82.6



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

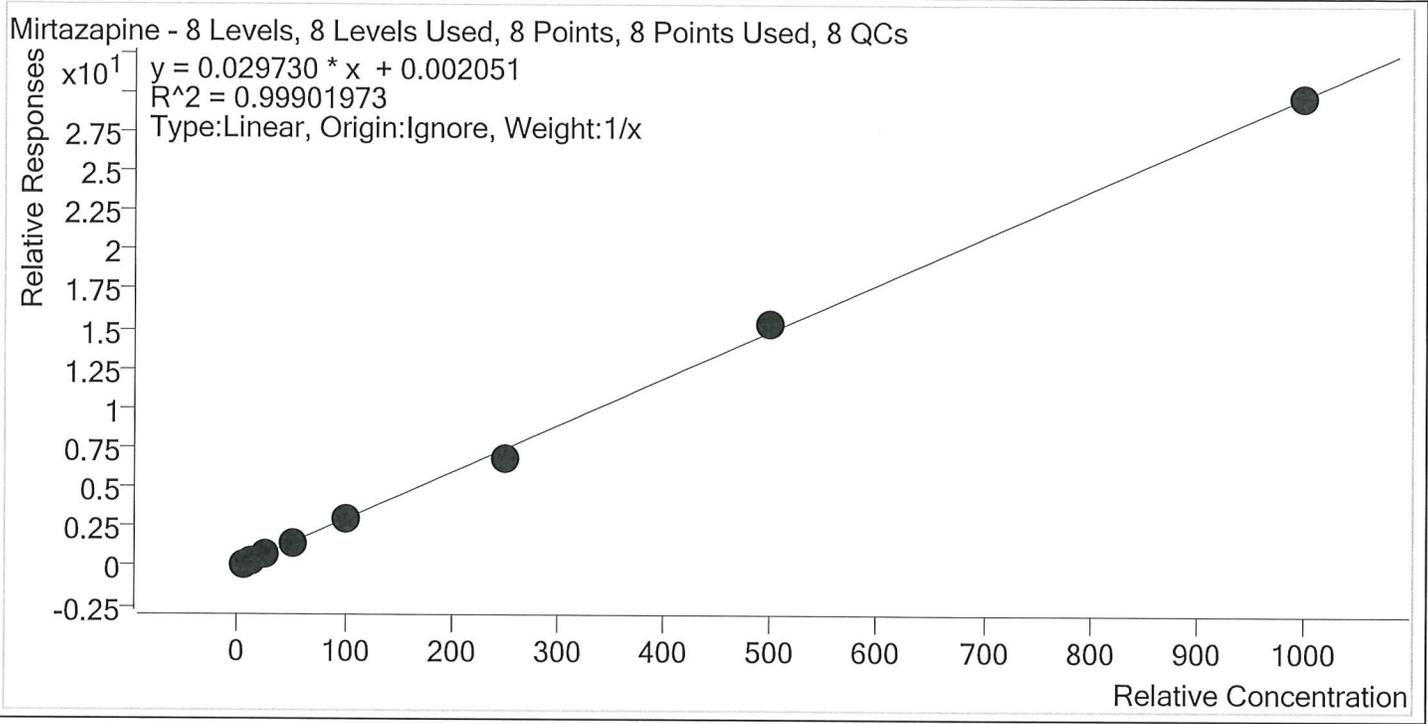


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	55.5	111.0
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	258.2	103.3
p1 Cal 7-500ng	7	✓	500.0	473.3	94.7
p1 Cal 8-1000ng	8	✓	1000.0	834.2	83.4



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



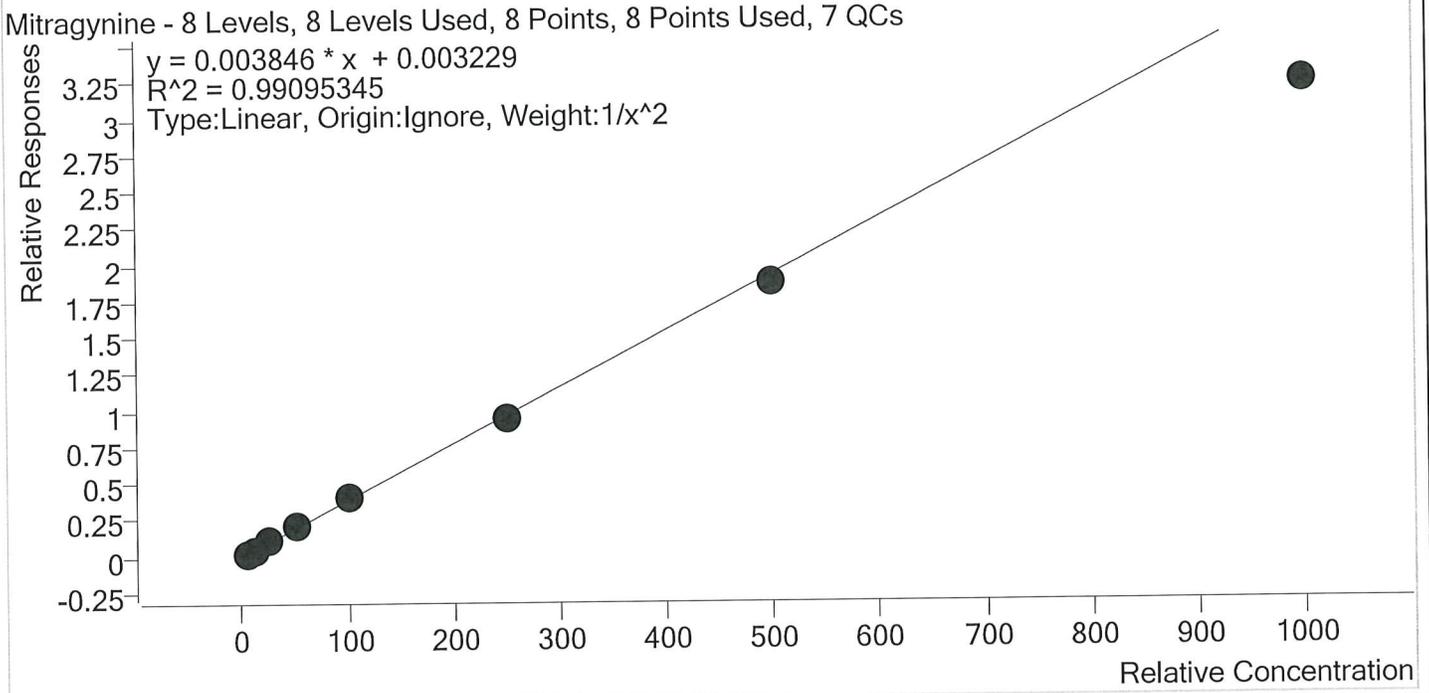
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	52.4	104.7
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	233.2	93.3
p1 Cal 7-500ng	7	✓	500.0	515.0	103.0
p1 Cal 8-1000ng	8	✓	1000.0	997.7	99.8

30



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

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Last Cal. Update 2/25/2021 1:58 PM  
 Analyst Name ISP\datastor  
 Analyte Mitragynine Internal Standard Methadone-D9

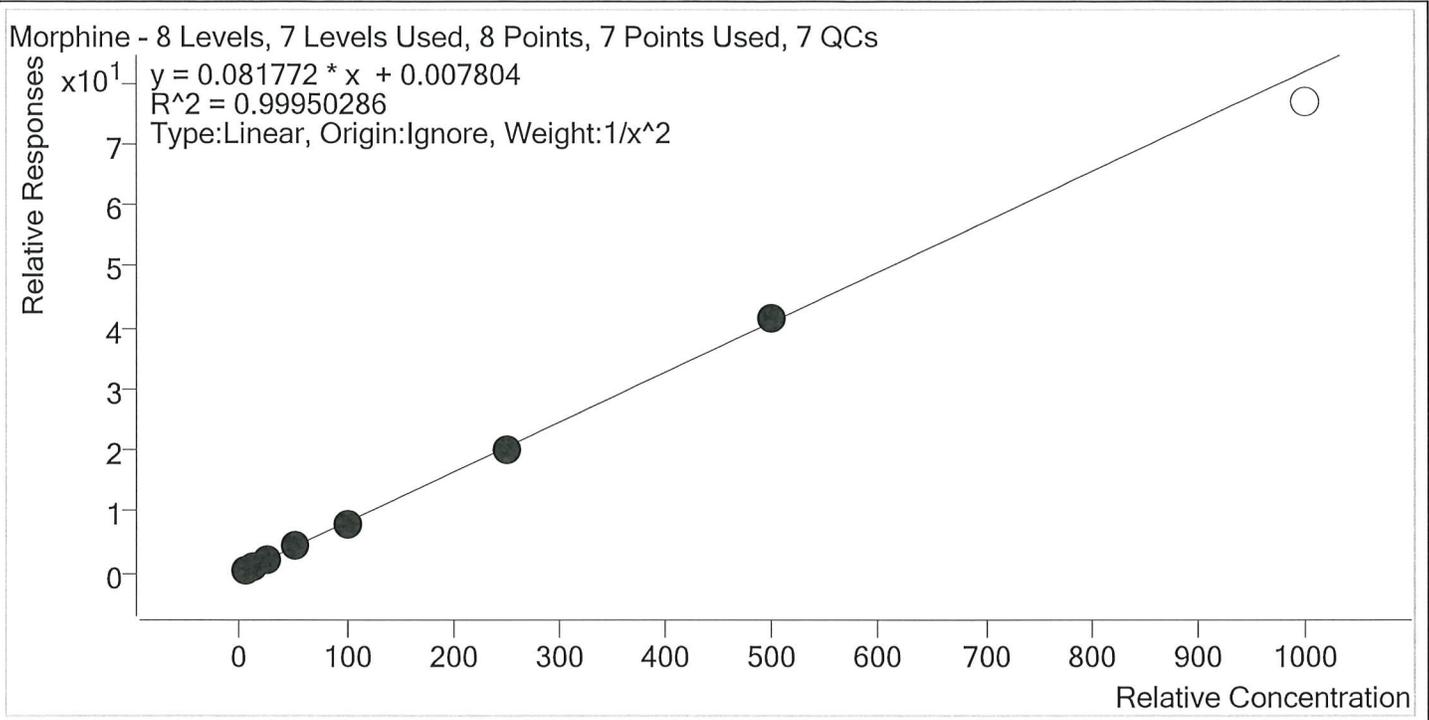


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	26.7	107.0
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	484.2	96.8
p1 Cal 8-1000ng	8	✓	1000.0	839.6	84.0



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



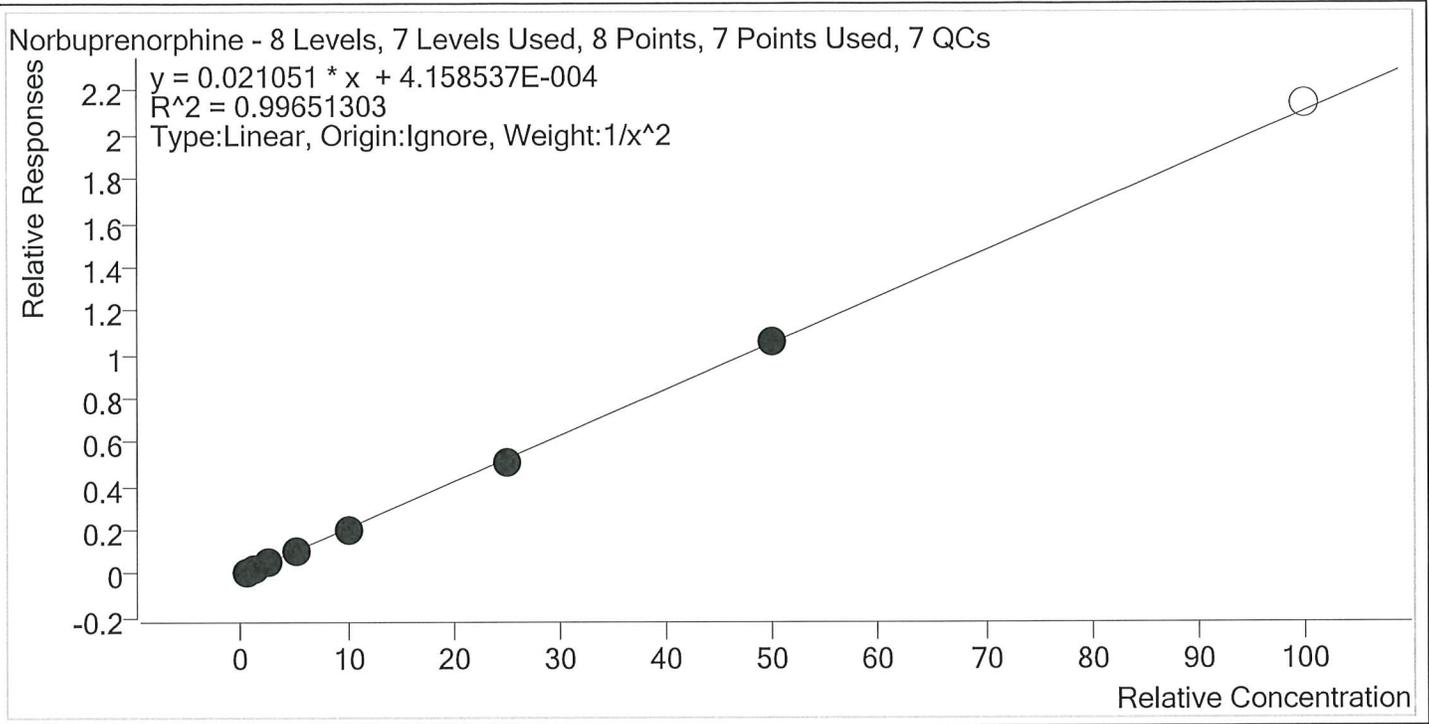
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	506.9	101.4
p1 Cal 8-1000ng	8	×	1000.0	939.2	93.9

50



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



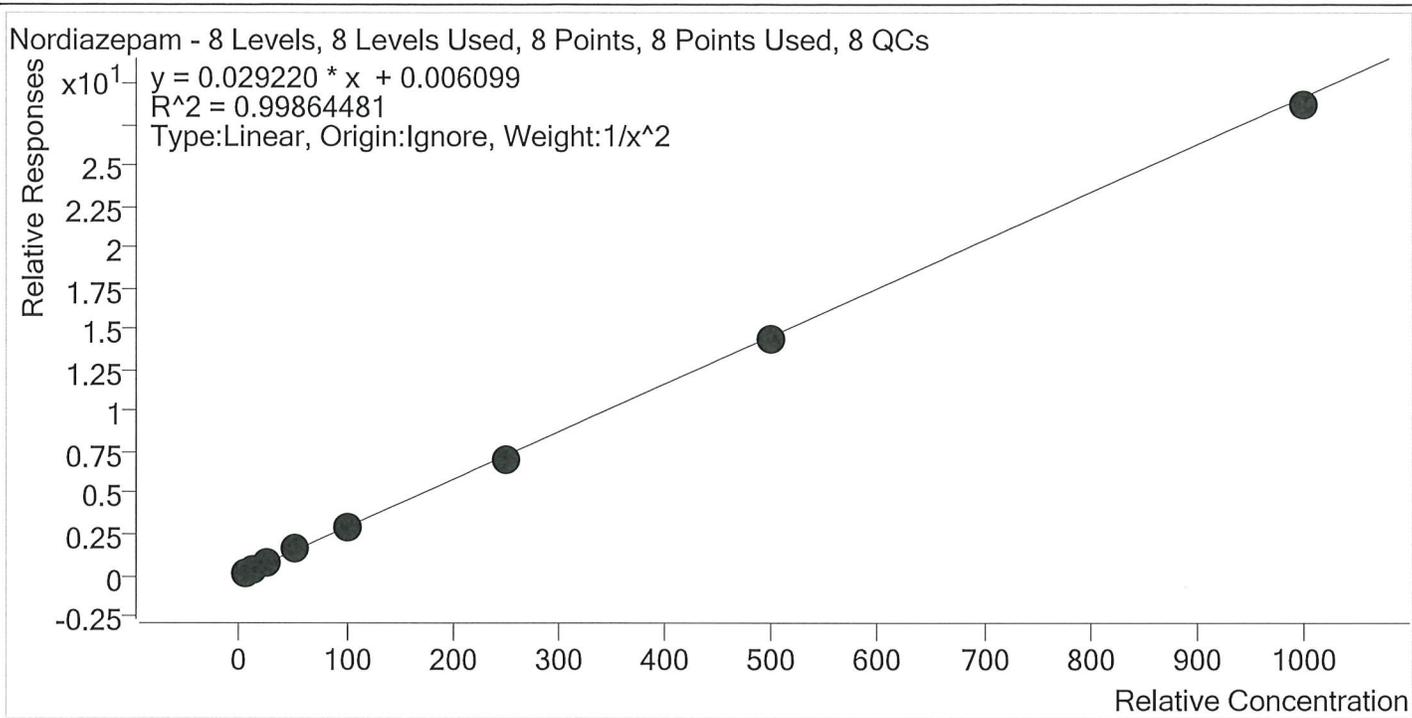
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	95.7
p1 Cal 2- 10ng	2	✓	1.0	1.1	109.3
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.0
p1 Cal 4-50ng	4	✓	5.0	5.2	103.9
p1 Cal 5-100ng	5	✓	10.0	9.8	98.5
p1 Cal 6-250ng	6	✓	25.0	23.9	95.6
p1 Cal 7-500ng	7	✓	50.0	50.0	100.0
p1 Cal 8-1000ng	8	×	100.0	101.7	101.7

SJ



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	242.6	97.0
p1 Cal 7-500ng	7	✓	500.0	492.1	98.4
p1 Cal 8-1000ng	8	✓	1000.0	982.9	98.3

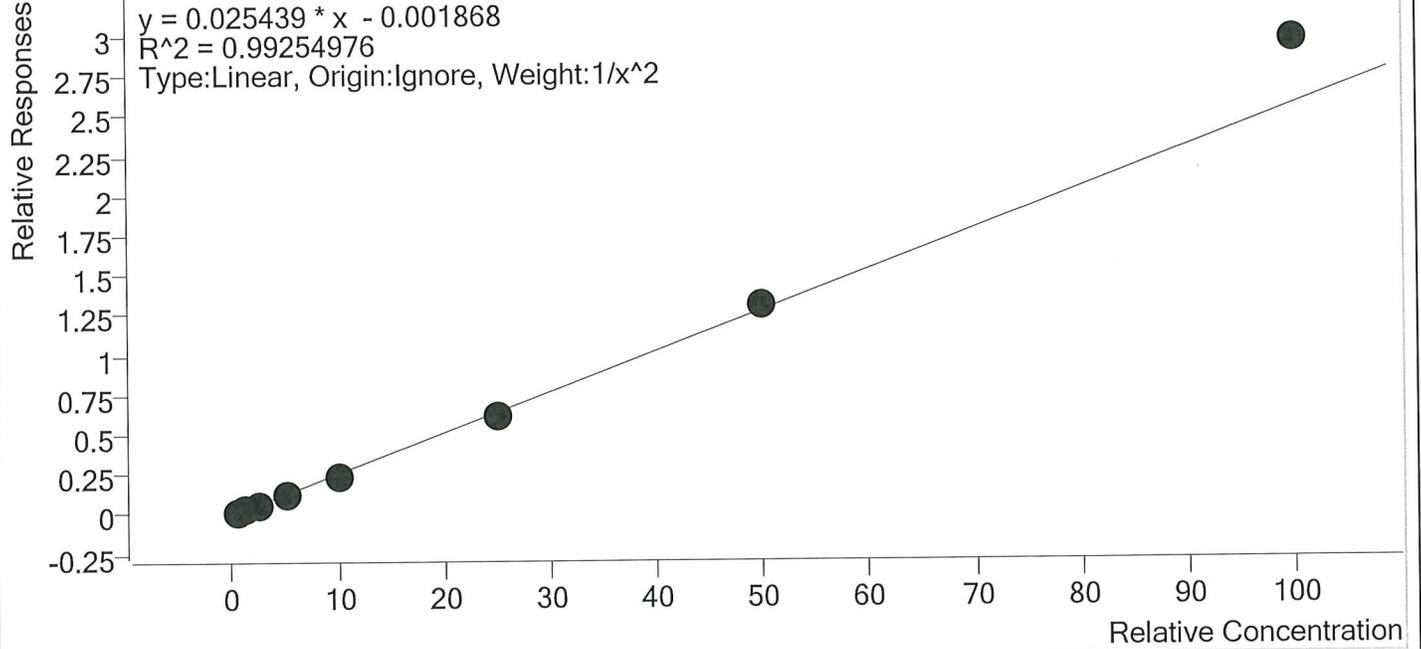
55



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

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Last Cal. Update 2/25/2021 1:58 PM  
 Analyst Name ISP\datastor  
 Analyte Norfentanyl Internal Standard Norfentanyl-D5

Norfentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs



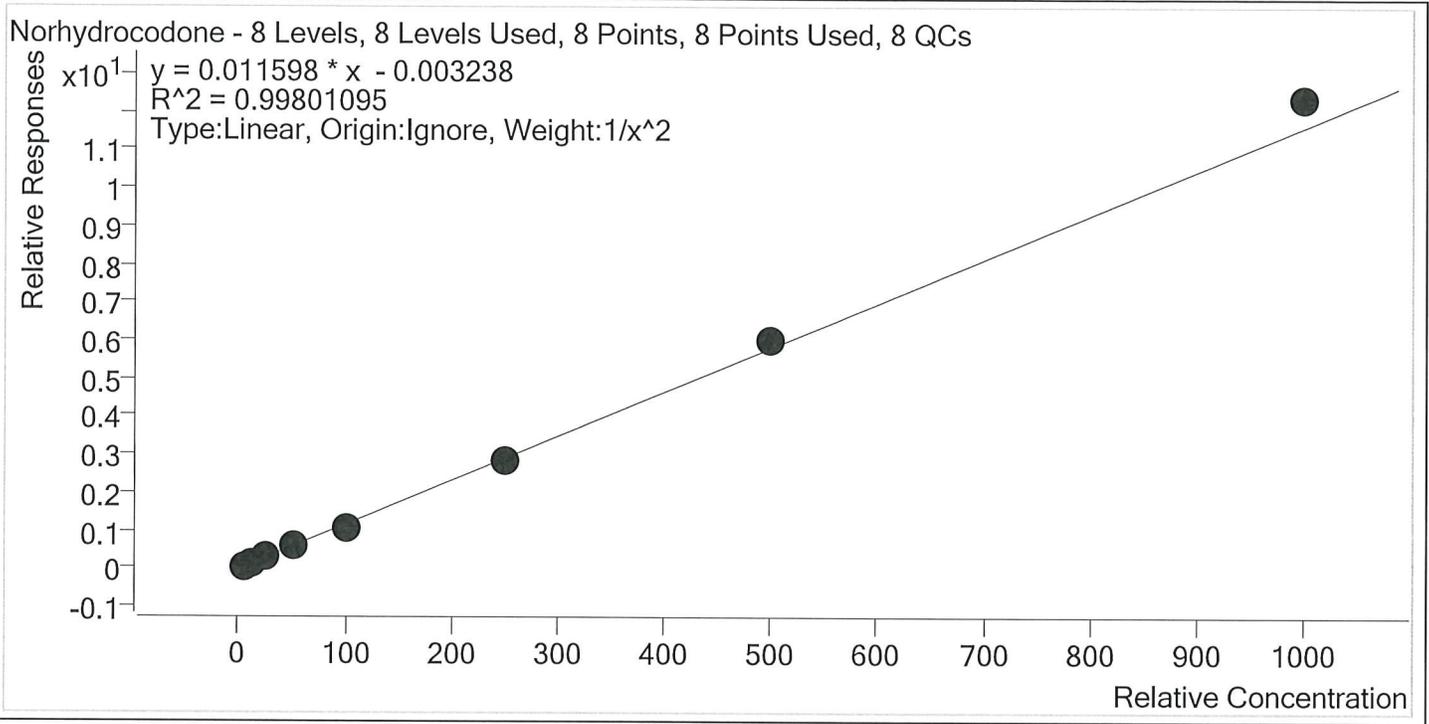
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.6
p1 Cal 2- 10ng	2	✓	1.0	1.0	96.6
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.4
p1 Cal 4-50ng	4	✓	5.0	4.9	98.4
p1 Cal 5-100ng	5	✓	10.0	9.4	94.2
p1 Cal 6-250ng	6	✓	25.0	24.1	96.5
p1 Cal 7-500ng	7	✓	50.0	51.1	102.1
p1 Cal 8-1000ng	8	✓	100.0	116.1	116.1

55



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

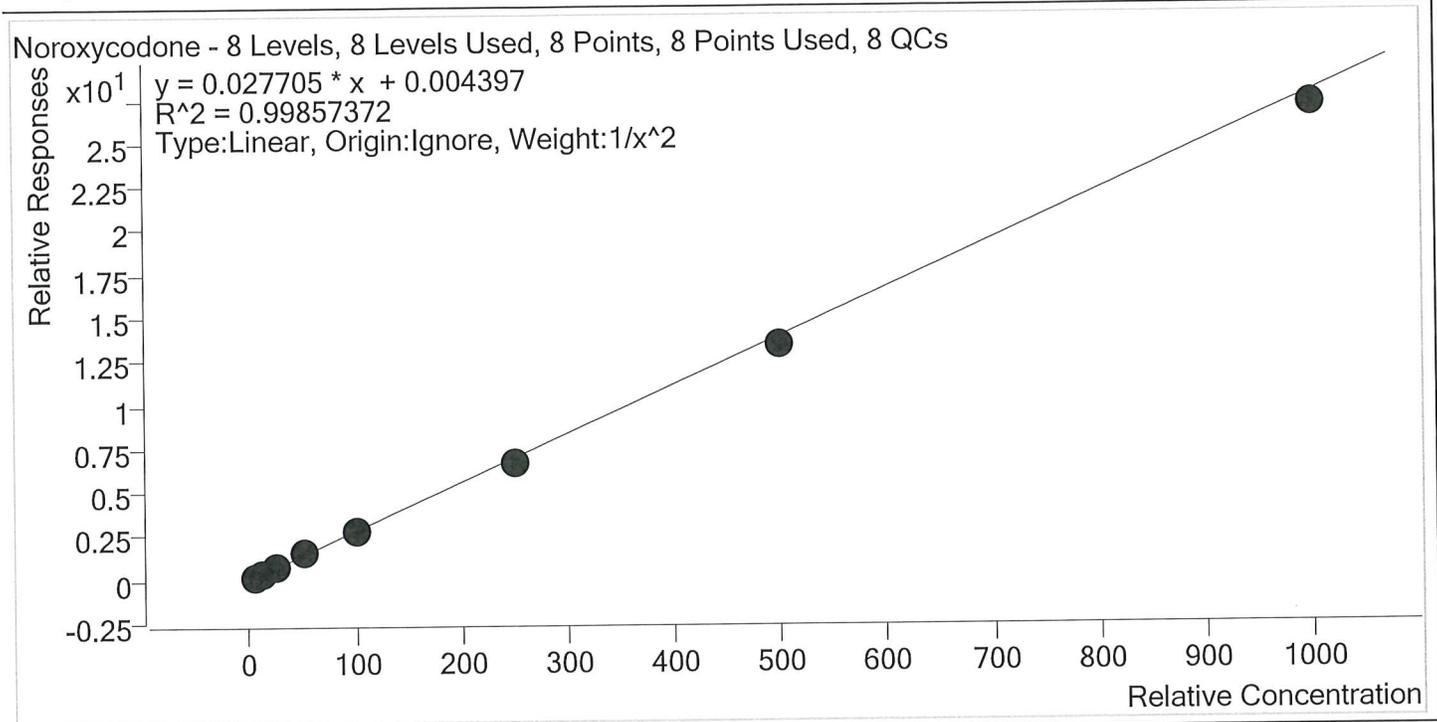


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	520.9	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1062.4	106.2



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



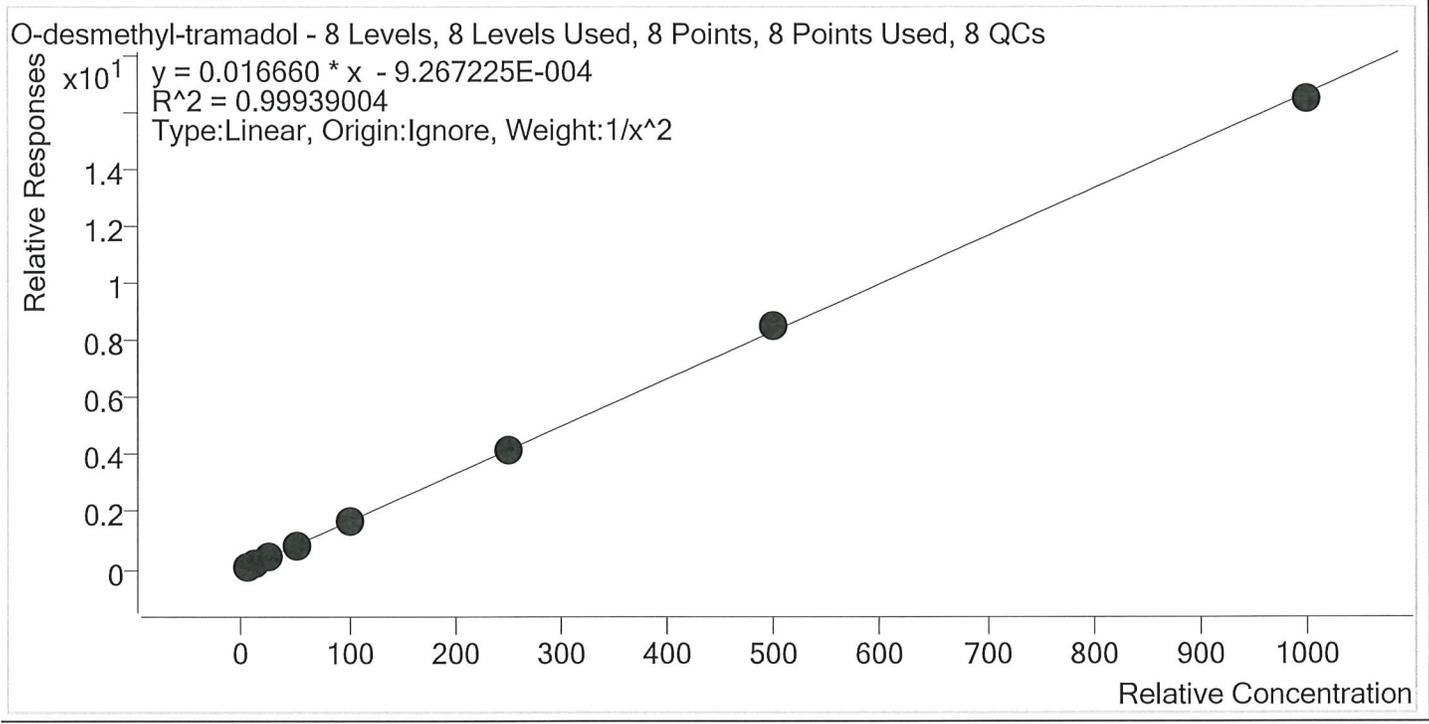
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	242.1	96.8
p1 Cal 7-500ng	7	✓	500.0	483.1	96.6
p1 Cal 8-1000ng	8	✓	1000.0	974.4	97.4

SS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	508.3	101.7
p1 Cal 8-1000ng	8	✓	1000.0	988.3	98.8

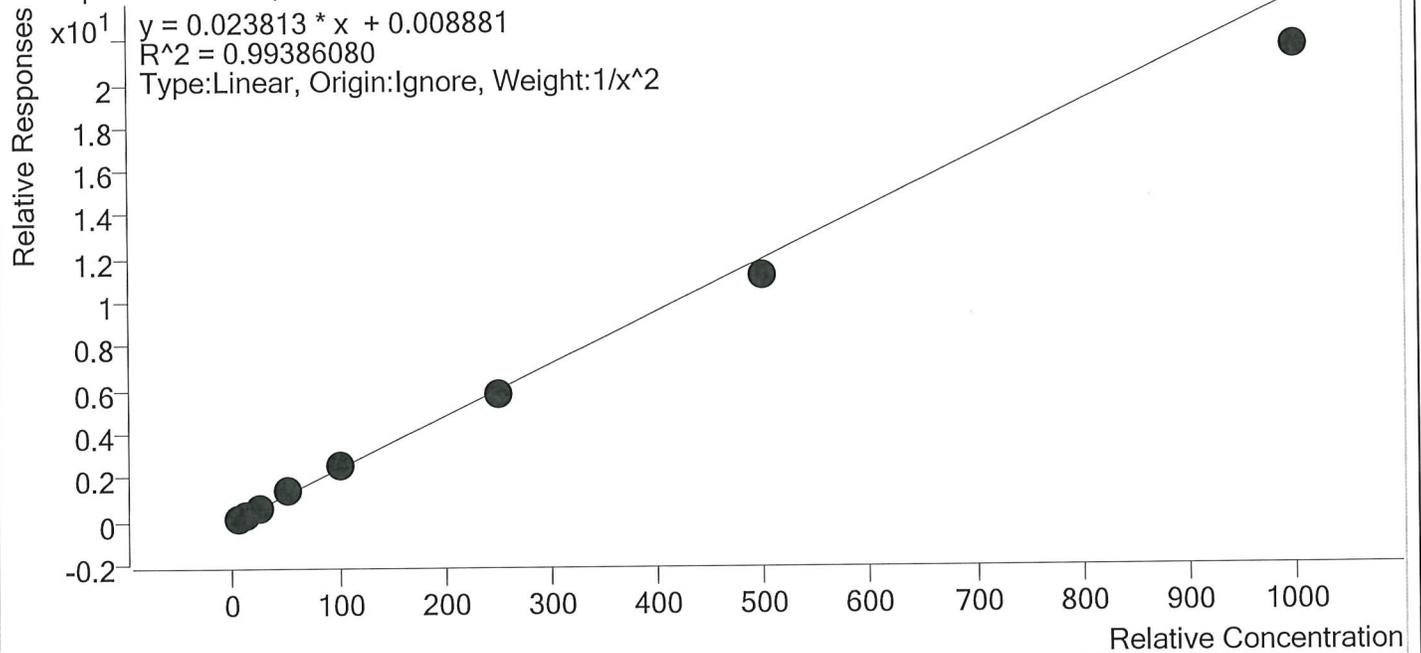
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# AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Last Cal. Update 2/25/2021 1:58 PM  
 Analyst Name ISP\datastor  
 Analyte Oxazepam Internal Standard Oxazepam-D5

Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

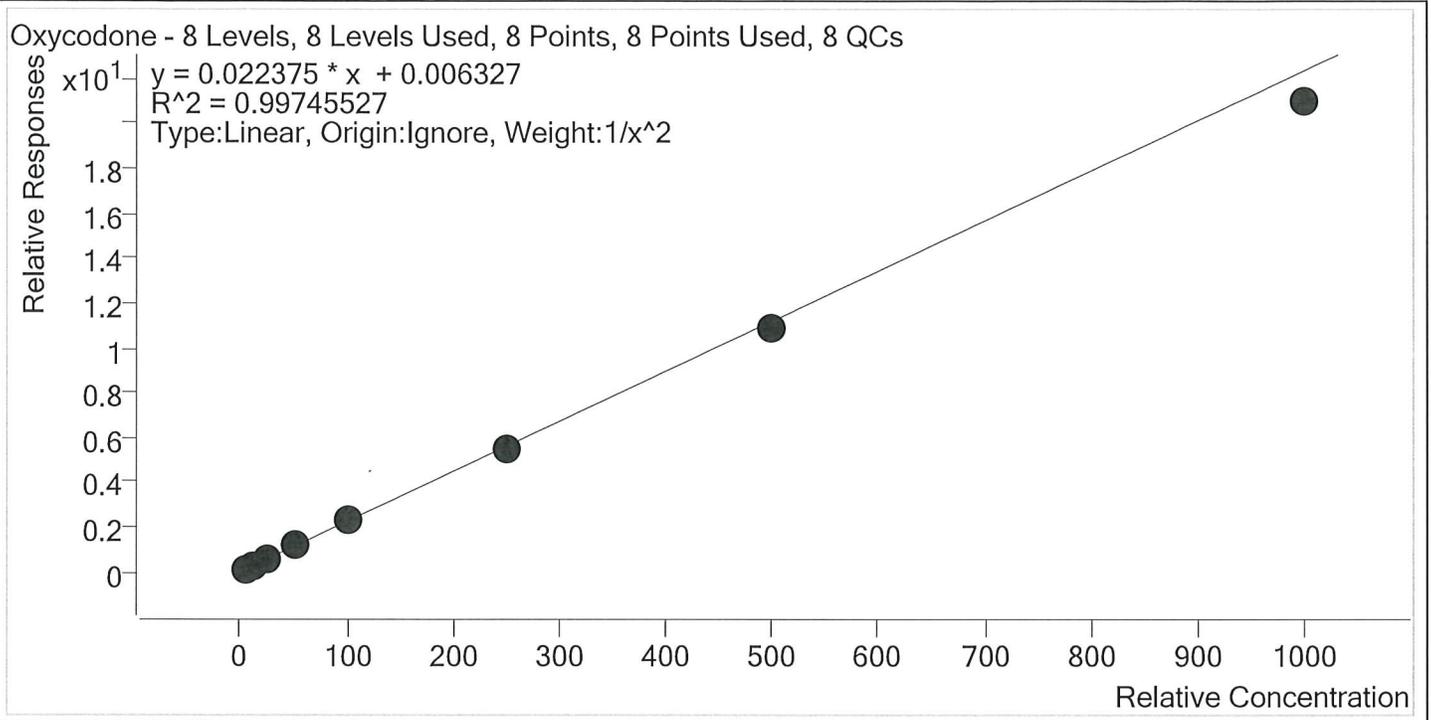


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	55.0	110.0
p1 Cal 5-100ng	5	✓	100.0	108.3	108.3
p1 Cal 6-250ng	6	✓	250.0	241.4	96.6
p1 Cal 7-500ng	7	✓	500.0	467.9	93.6
p1 Cal 8-1000ng	8	✓	1000.0	903.7	90.4



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6



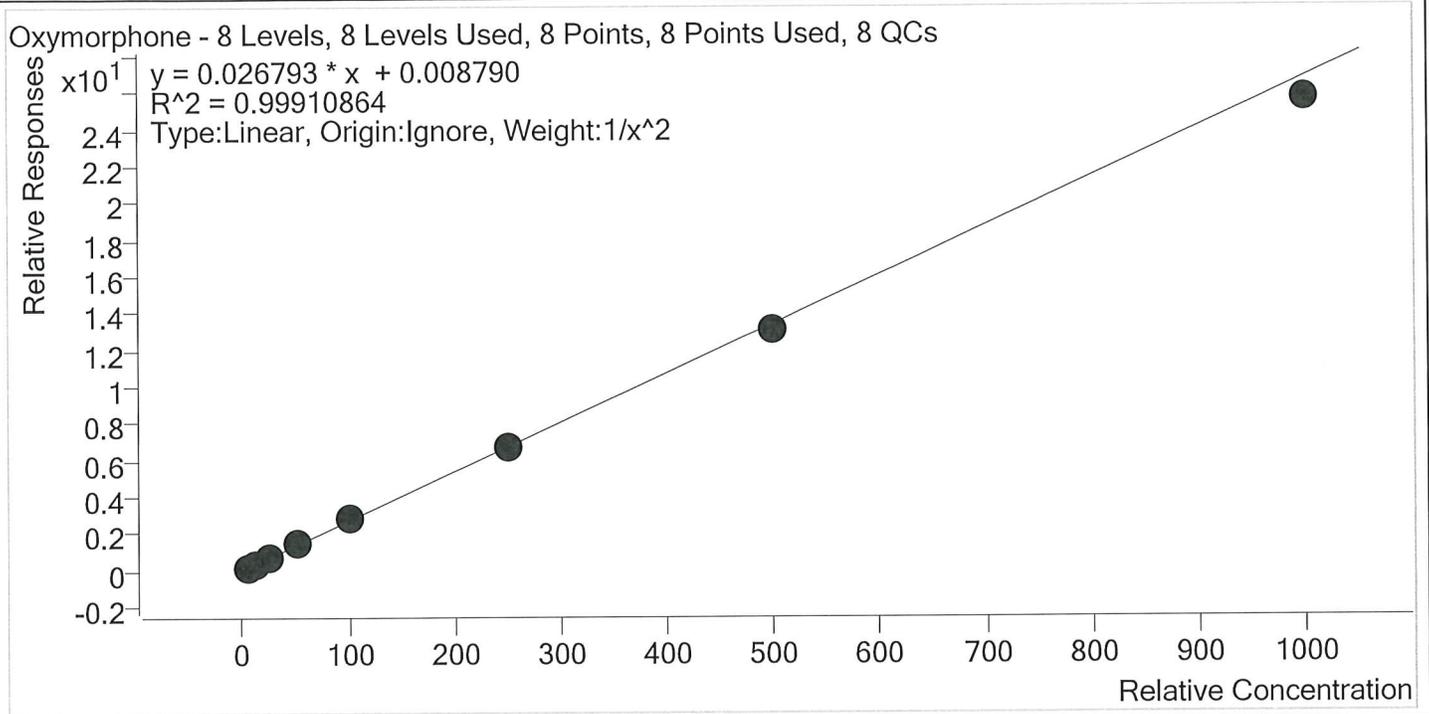
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	483.9	96.8
p1 Cal 8-1000ng	8	✓	1000.0	938.2	93.8

ST



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

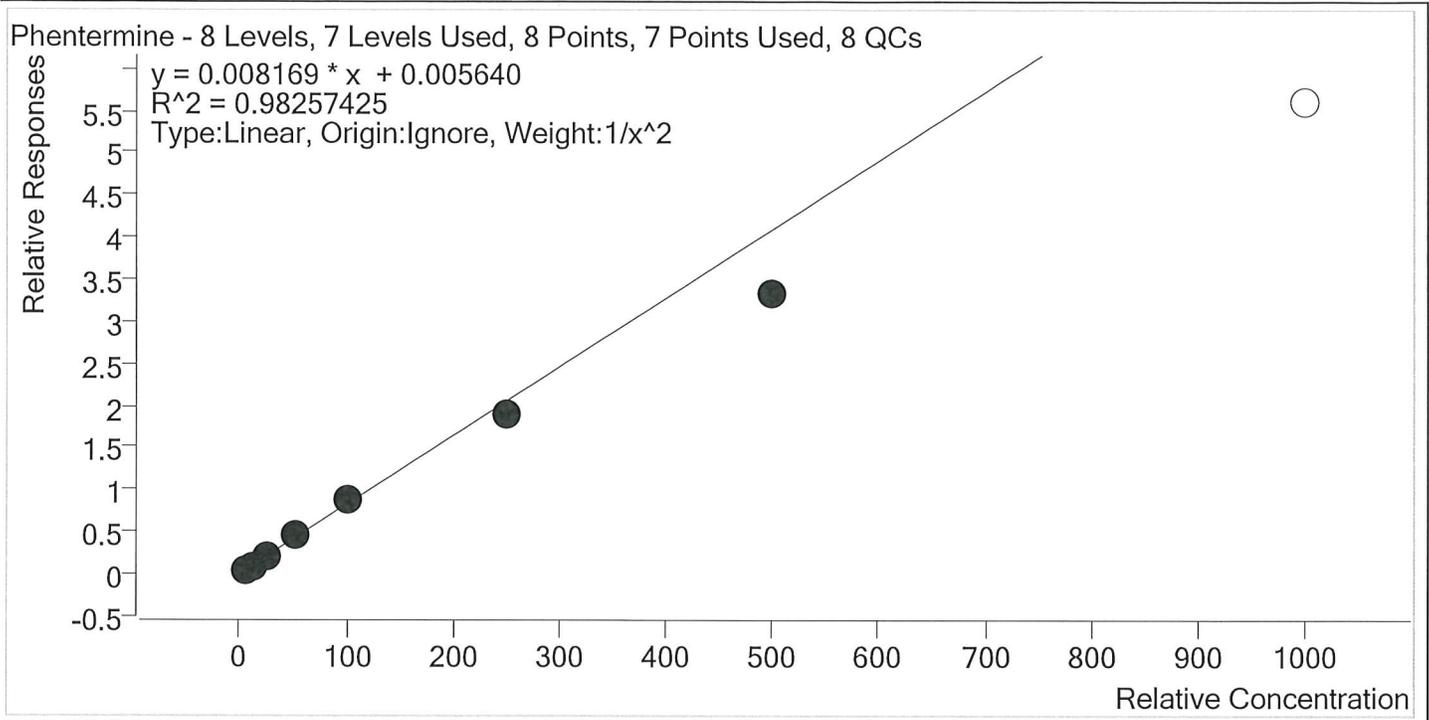


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	486.7	97.3
p1 Cal 8-1000ng	8	✓	1000.0	957.5	95.7



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



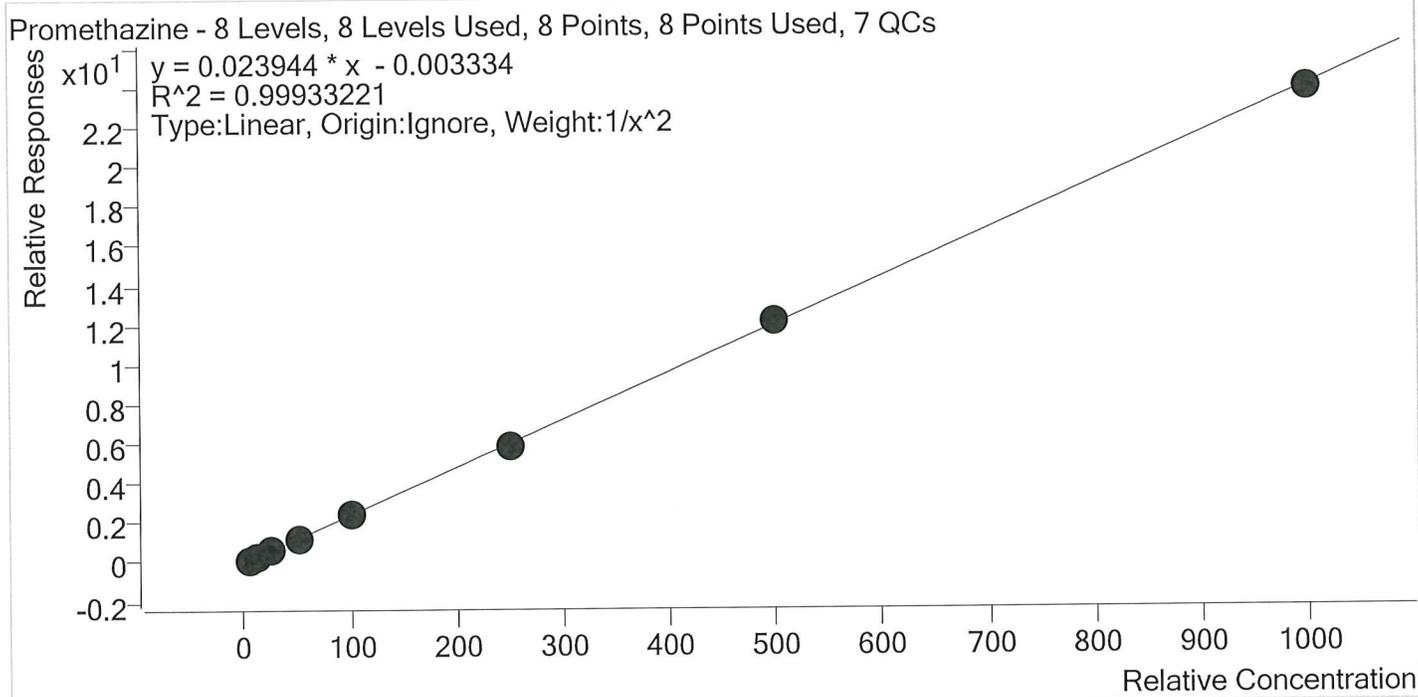
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	57.7	115.4
p1 Cal 5-100ng	5	✓	100.0	106.9	106.9
p1 Cal 6-250ng	6	✓	250.0	229.2	91.7
p1 Cal 7-500ng	7	✓	500.0	407.5	81.5
p1 Cal 8-1000ng	8	×	1000.0	685.5	68.5

B



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

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Last Cal. Update 2/25/2021 1:58 PM  
 Analyst Name ISP\datastor  
 Analyte Promethazine Internal Standard Promethazine-D3



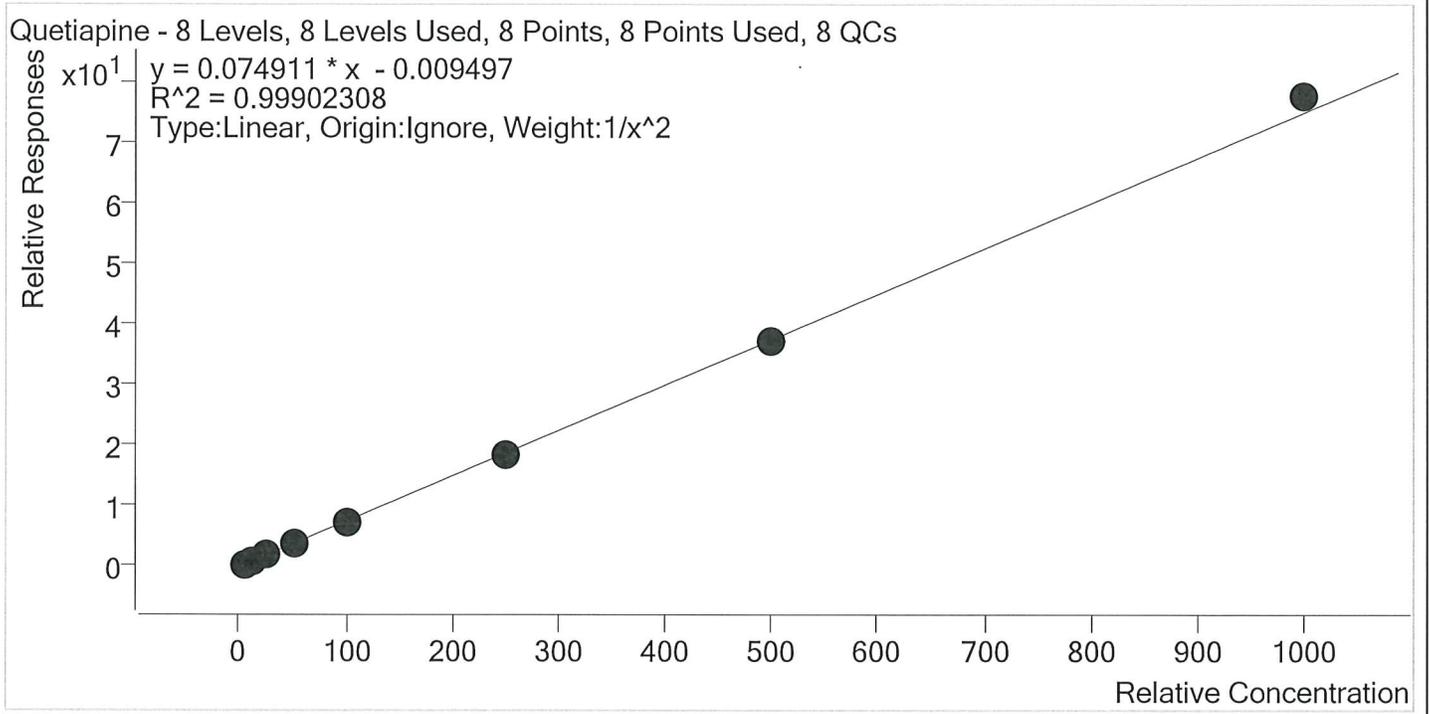
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	247.6	99.0
p1 Cal 7-500ng	7	✓	500.0	505.6	101.1
p1 Cal 8-1000ng	8	✓	1000.0	993.7	99.4

5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



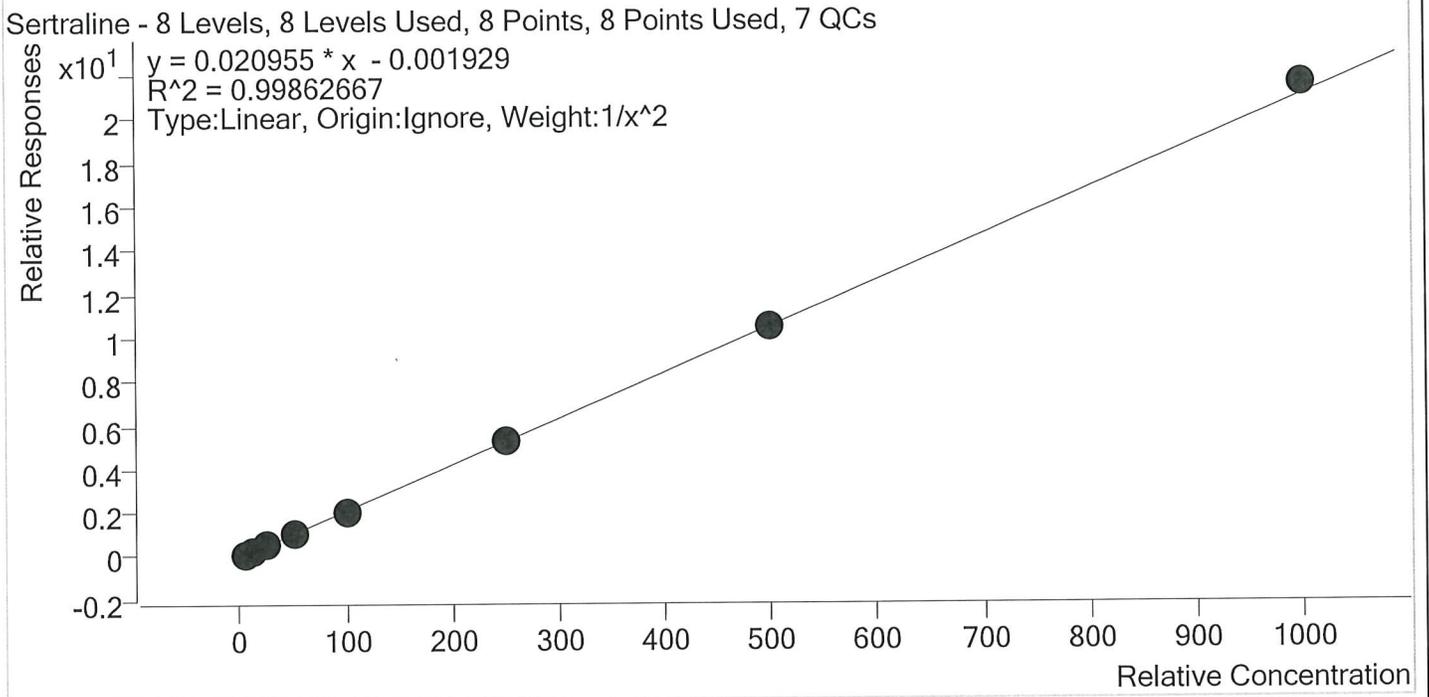
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	499.6	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1035.5	103.5

SJ



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

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Last Cal. Update 2/25/2021 1:58 PM  
 Analyst Name ISP\datastor  
 Analyte Sertraline Internal Standard Sertraline-D3



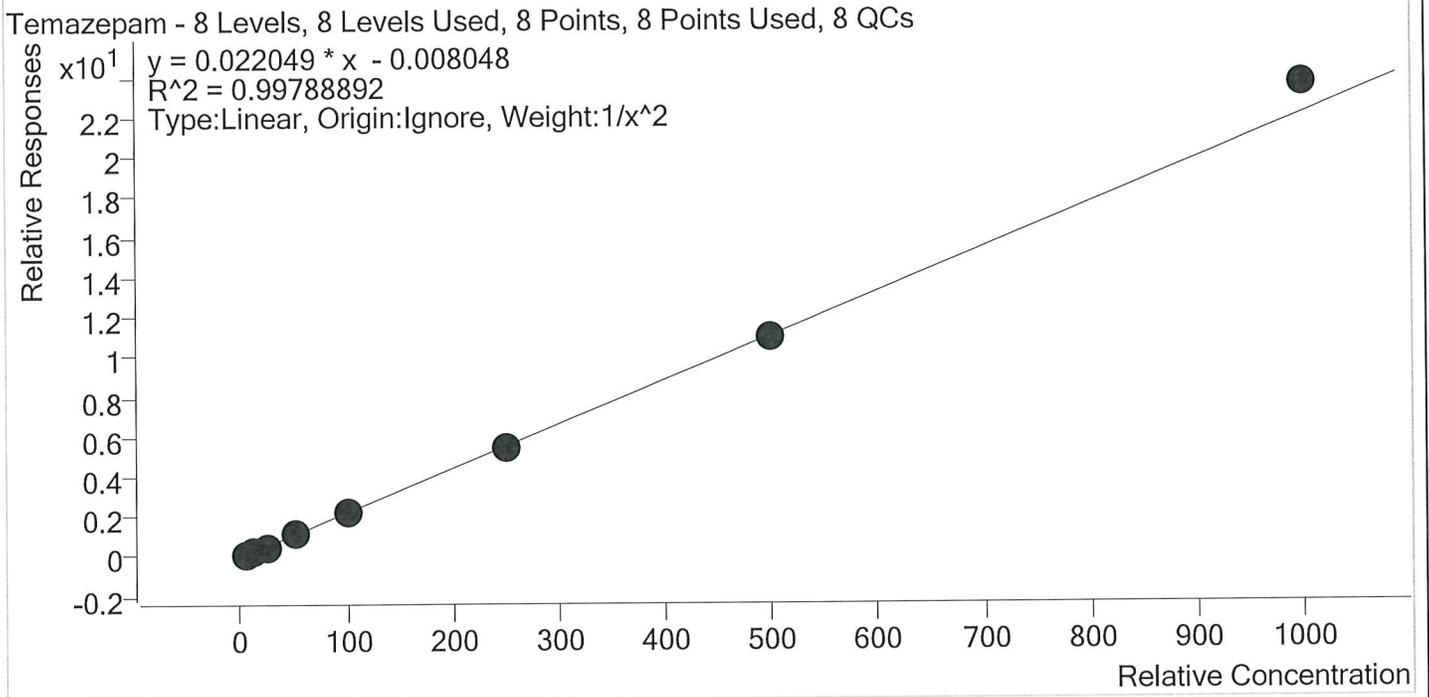
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.0
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1025.4	102.5

SJ



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



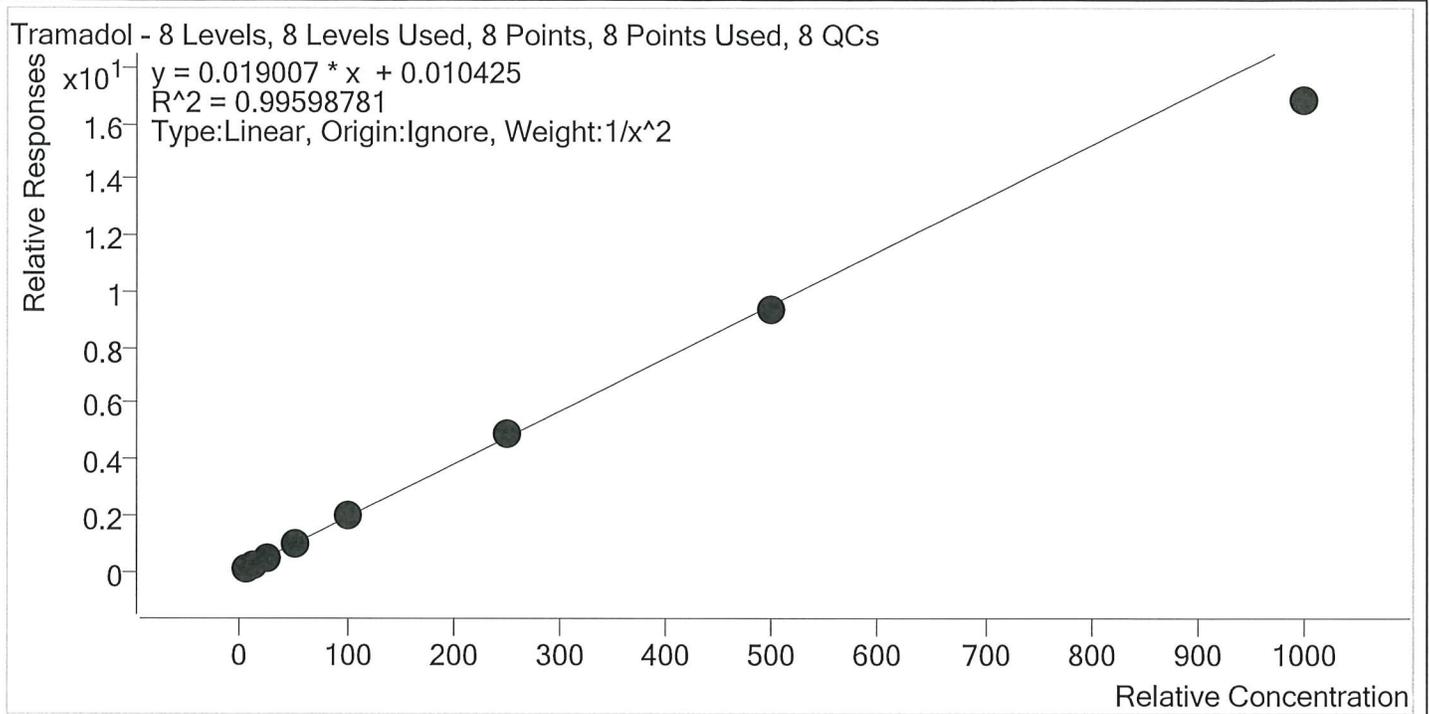
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	496.8	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1068.9	106.9

SJ



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

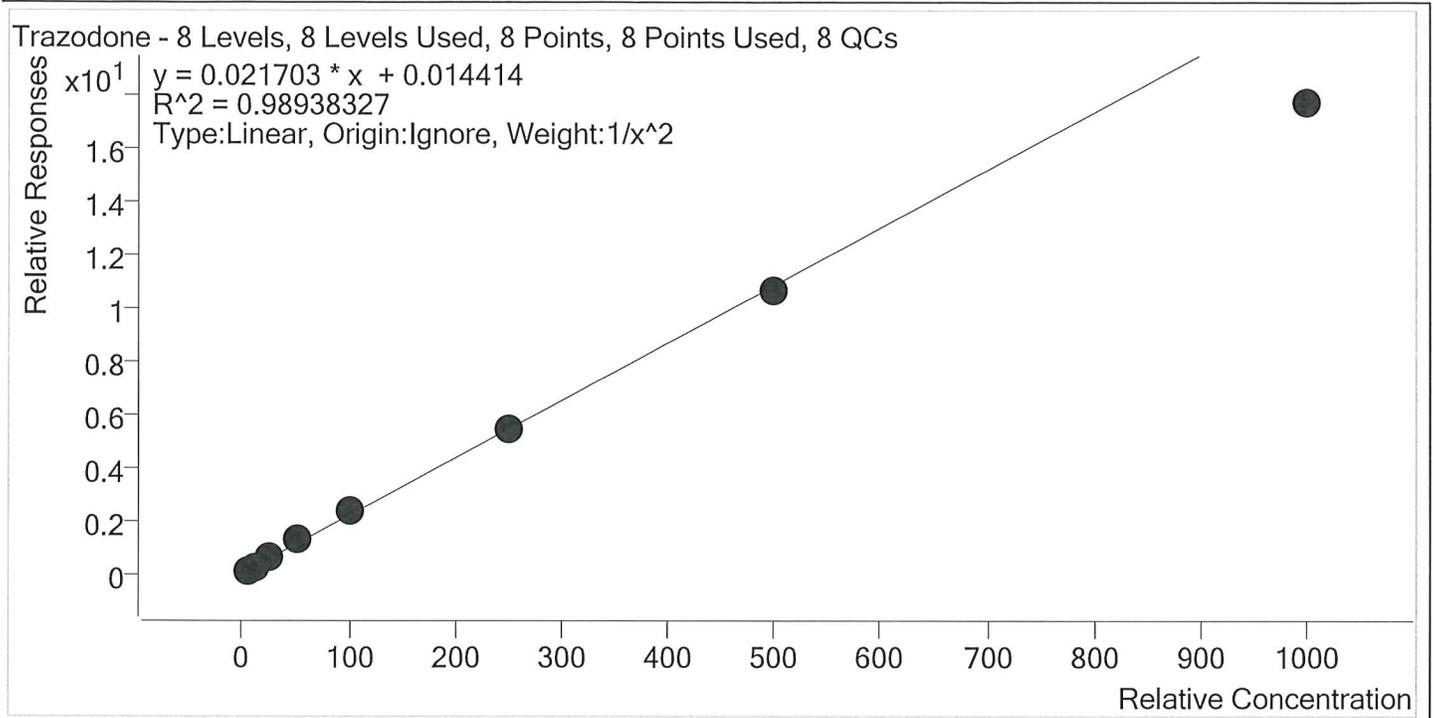


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	53.8	107.7
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	255.6	102.3
p1 Cal 7-500ng	7	✓	500.0	494.2	98.8
p1 Cal 8-1000ng	8	✓	1000.0	884.8	88.5



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 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	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	56.5	112.9
p1 Cal 5-100ng	5	✓	100.0	107.2	107.2
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	490.4	98.1
p1 Cal 8-1000ng	8	✓	1000.0	817.1	81.7

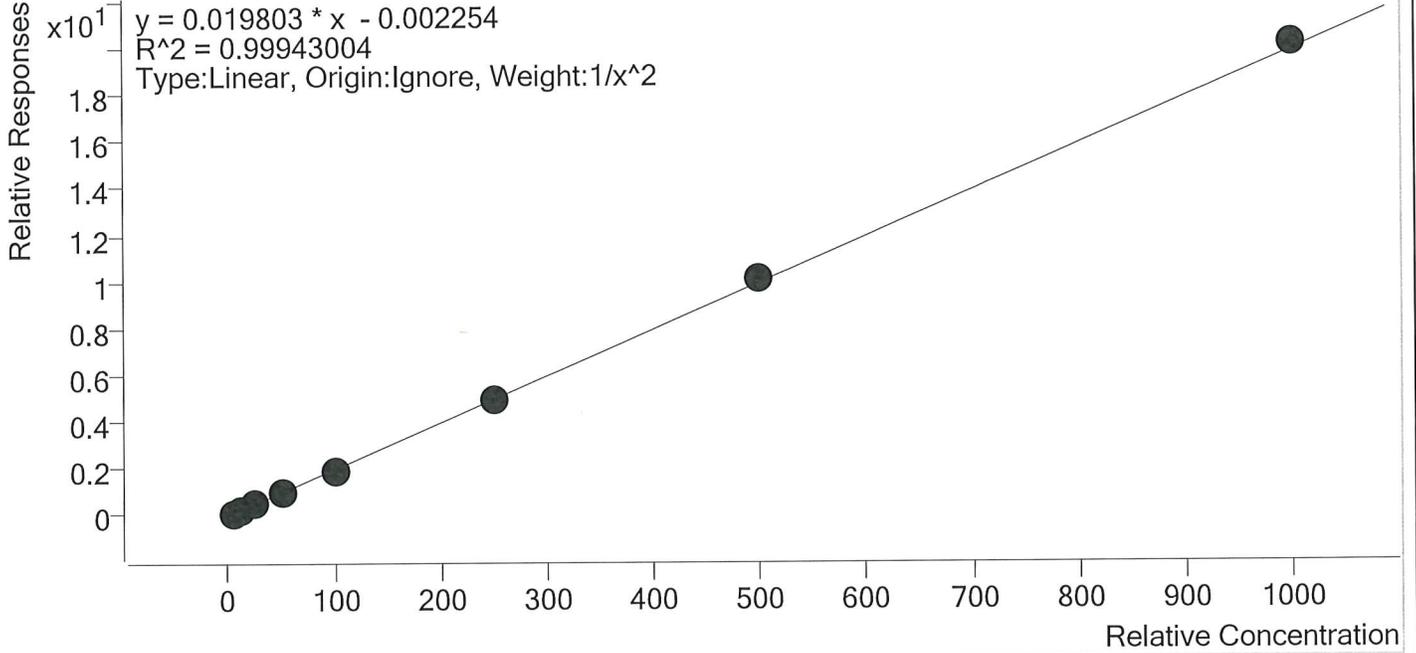
55



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6

Venlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs



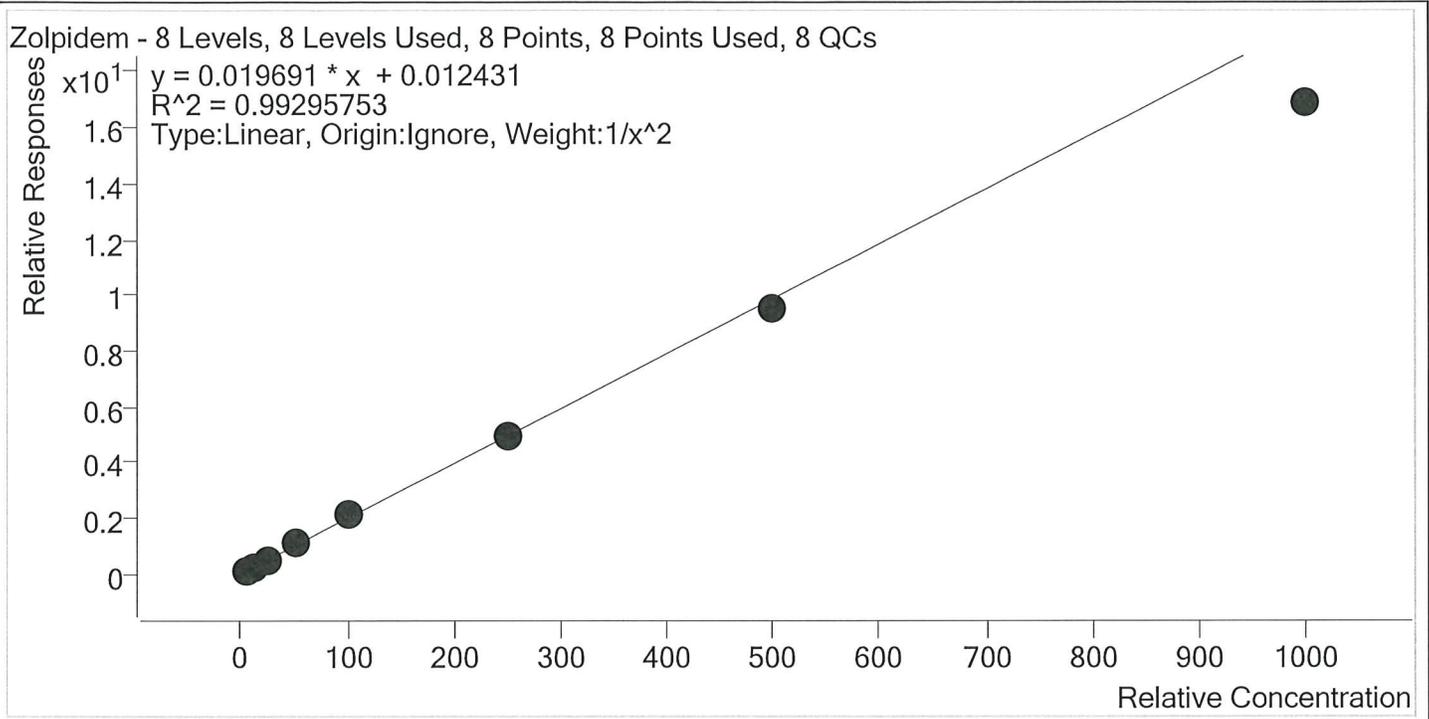
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	247.6	99.0
p1 Cal 7-500ng	7	✓	500.0	512.8	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1015.3	101.5

ST



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Last Cal. Update** 2/25/2021 1:58 PM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	54.8	109.7
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	479.6	95.9
p1 Cal 8-1000ng	8	✓	1000.0	857.0	85.7



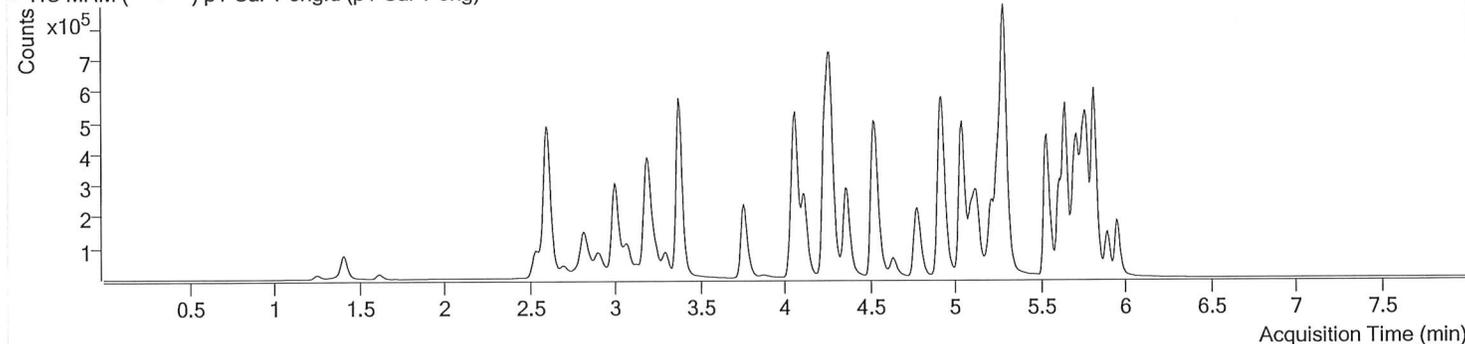
# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
Calibration Last Update 2/25/2021 1:58:46 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 1-5ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 1-5ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sophia Jackson
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/18/2021 12:08:24 PM		
<b>Sample Info.</b>			

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) p1 Cal 1-5ng.d (p1 Cal 1-5ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.144	1315	154.07	90.1 High	∞	73360	0.4786 ng/ml
7-aminoclonazepam	4.284	32654	3379.36	78.6	1041.83	241267	5.0425 ng/ml
a-hydroxyalprazolam	5.698	15621	409.12	63.4	1972.79	115681	4.6971 ng/ml
alpha-PHP	4.943	21039	326.79	264.9	∞	651915	4.8184 ng/ml
alpha-PVP	4.376	74844	466.78	52.9	265.14	651915	5.0569 ng/ml
Alprazolam	5.775	51704	358.61	115.1	66438.92	380228	5.0521 ng/ml
Amphetamine	3.083	136401	2923.72	52.3	1480.18	298905	4.8192 ng/ml
Benzoylcegonine	3.912	2119	22.92	8.6	21.99	14350	5.1566 ng/ml
Buprenorphine	5.873	1791	73.93	17.8	∞	125883	0.5218 ng/ml
Bupropion	4.794	79450	1512.98	60.9	208.05	553398	5.0192 ng/ml
Carisoprodol	5.730	55049	210490.58	53.8	264.99	529260	5.1380 ng/ml
Citalopram	5.218	55274	11975.52	41.1	3512.81	492940	5.0664 ng/ml
Clonazepam	5.611	61395	838.57	32.6	∞	147144	4.8866 ng/ml
Clonazolam	5.555	39694	702.68	37.2	23953.78	147144	4.8722 ng/ml
Cocaine	4.270	54968	93840.02	53.8	178.12	1060583	5.0750 ng/ml
Codeine	2.593	7234	139.68	104.9	7170.17	72153	4.7436 ng/ml
Cyclobenzaprine	5.614	46231	381.31	9.2	39.96	376553	5.1072 ng/ml
Dextromethorphan	5.261	33016	4586.72	81.1	1658.23	315532	5.0083 ng/ml
Dextrorphan	4.118	22152	658.09	210.5	640.28	523886	5.0738 ng/ml
Diazepam	5.959	34538	1516.60	90.8	183.54	328347	5.0030 ng/ml
Dihydrocodeine	2.572	17623	100.30	64.2	259.71	207519	4.8275 ng/ml
Diphenhydramine	5.289	148988	364.70	34.0	198.10	1754387	5.0540 ng/ml
Doxylamine	4.542	151385	11970.28	98.9	147069.75	1298113	4.9615 ng/ml
EDDP	5.254	53340	∞	41.2	892.44	523720	5.0791 ng/ml
Etizolam	5.819	29820	66749.26	23.6	∞	147144	5.2370 ng/ml
Fentanyl	5.109	5338	89.84	72.8	∞	489703	0.5051 ng/ml
Flualprazolam	5.705	25313	∞	94.8	655.78	380228	4.9533 ng/ml
Fluoxetine	5.700	54858	5556.62	9.0	15616.43	435391	4.9748 ng/ml
Hydrocodone	3.032	28695	280.28	37.4	124.26	644082	4.7052 ng/ml
Hydromorphone	1.621	24794	1605.36	74.7	1148.77	9447	4.9470 ng/ml
Ketamine	4.058	57328	1257.58	36.0	257.94	531695	4.9288 ng/ml
Lamotrigine	4.287	5569	326.51	81.2	3240.91	531695	4.6971 ng/ml
Levetiracetam	2.703	25627	609.92	161.9	1076.04	1296691	6.1490 ng/ml

ST



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	55472	313.06	58.5	407.39	147144	4.8900 ng/ml
MDA	3.216	104350	539.19	24.1	400.74	541668	4.7872 ng/ml
MDMA	3.303	55322	139401.80	82.7	1303.61	110161	5.0082 ng/ml
Meprobamate	4.931	33502	134.08	27.4	557.30	281648	4.7861 ng/ml
Methadone	5.646	110575	287.61	45.1	∞	961809	5.1210 ng/ml
Methamphetamine	3.244	98362	159.45	37.7	119.76	601786	4.8518 ng/ml
Metoprolol	4.332	14234	723.20	90.8	559.14	1229137	4.8278 ng/ml
Mirtazapine	4.637	96294	6716.40	47.5	5433.70	651915	4.8993 ng/ml
Mitragynine	5.243	20748	12894.66	40.7	45128.52	961809	4.7686 ng/ml
Morphine	1.260	3908	932.97	26.5	85.08	9447	4.9640 ng/ml
Norbuprenorphine	4.992	207	367.31	111.1	578.91	19733	0.4787 ng/ml
Nordiazepam	5.899	37049	6078.39	56.3	674.93	242297	5.0243 ng/ml
Norfentanyl	4.086	11652	408.32	35.3	180.09	1029881	0.5182 ng/ml
Norhydrocodone	3.080	5036	164.58	40.9	∞	91700	5.0143 ng/ml
Noroxycodone	2.923	30705	811.43	43.0	∞	218425	4.9153 ng/ml
O-desmethyl-tramadol	3.383	115266	498.40	6.9	538.82	1383955	5.0550 ng/ml
Oxazepam	5.756	67080	∞	69.5	672.30	534211	4.9001 ng/ml
Oxycodone	2.848	57545	712.85	27.6	307.18	489125	4.9752 ng/ml
Oxymorphone	1.418	28800	486.35	43.4	248.67	203496	4.9540 ng/ml
Phentermine	3.796	28723	2286.33	4.8	47.95	644610	4.7643 ng/ml
Promethazine	5.538	93374	991.89	28.0	849.10	787178	5.0933 ng/ml
Pseudoephedrine	2.616	135573	1884.08	17.1	∞	1296691	5.1203 ng/ml
Quetiapine	5.562	63892	655.70	60.2	65491.63	172292	5.0771 ng/ml
Sertraline	5.775	25106	634.52	98.8	∞	241353	5.0562 ng/ml
Temazepam	5.823	107052	1885.22	27.9	135.74	1015161	5.1477 ng/ml
Tramadol	4.252	127390	2498.33	3.4	70.51	1229137	4.9043 ng/ml
Trazodone	5.183	69015	∞	80.1	∞	569907	4.9155 ng/ml
Venlafaxine	5.043	114181	1631.56	38.8	529.03	1163661	5.0688 ng/ml
Zolpidem	4.941	133736	∞	30.9	599.91	1240100	4.8454 ng/ml

SJ

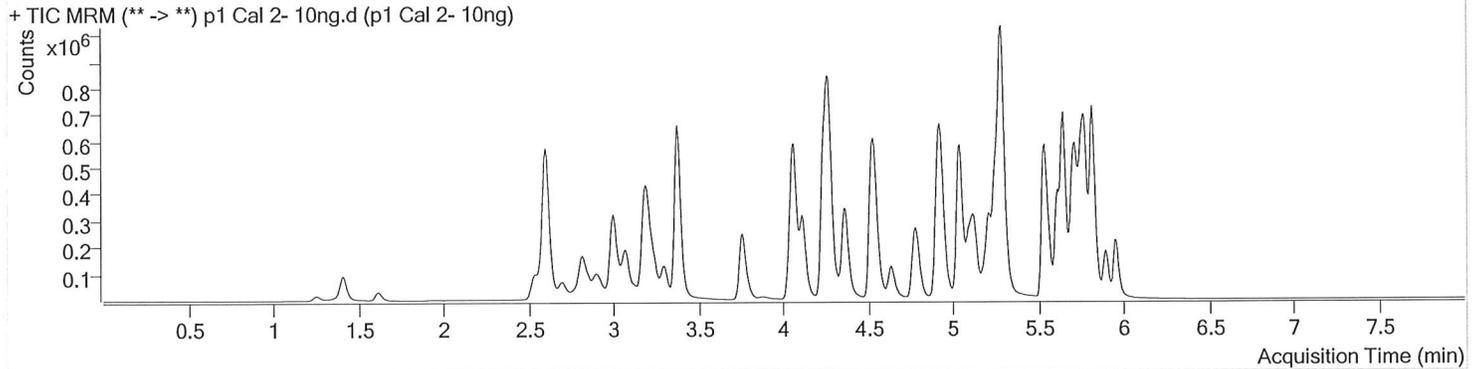


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 2/25/2021 1:58:46 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>	Sophia Jackson
<b>Sample Position</b>	P2-B1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/18/2021 12:19:10 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	2959	1309.62	73.0	2156.27	77198	1.0047 ng/ml
7-aminoclonazepam	4.284	67915	19173.39	79.8	28127.83	254094	9.8590 ng/ml
a-hydroxyalprazolam	5.698	34096	337.41	58.6	∞	123935	10.9849 ng/ml
alpha-PHP	4.937	43919	561.05	256.4	2958.84	689653	10.2739 ng/ml
alpha-PVP	4.376	154301	175360.95	52.6	234.22	689653	9.8101 ng/ml
Alprazolam	5.775	107436	1167.26	111.6	366.08	405545	9.8486 ng/ml
Amphetamine	3.076	285215	4001.11	52.1	2942.82	311516	10.4025 ng/ml
Benzoylcegonine	3.906	4025	137.76	8.3	69.40	15198	9.5264 ng/ml
Buprenorphine	5.873	3737	∞	16.3	1883.41	133391	0.9513 ng/ml
Bupropion	4.794	163093	10502.42	61.9	481.70	589868	9.8230 ng/ml
Carisoprodol	5.730	113758	323.23	54.3	400.10	561380	9.7350 ng/ml
Citalopram	5.218	117080	1077.39	42.1	246.20	536695	9.7818 ng/ml
Clonazepam	5.611	126585	2569.69	33.3	2894.45	153773	10.1706 ng/ml
Clonazolam	5.555	82569	1436.56	37.2	3930.42	153773	10.2289 ng/ml
Cocaine	4.264	114406	16078.56	53.8	3901.53	1127717	9.7976 ng/ml
Codeine	2.593	15341	431.55	100.7	213.28	74762	10.5455 ng/ml
Cyclobenzaprine	5.614	106042	295.46	8.4	100.80	436929	9.7471 ng/ml
Dextromethorphan	5.261	70714	∞	79.3	1955.58	337625	9.9602 ng/ml
Dextrorphan	4.118	45352	10239.31	211.2	447.28	555913	9.7359 ng/ml
Diazepam	5.960	73549	1687.66	87.7	2011.92	348690	9.9777 ng/ml
Dihydrocodeine	2.565	37907	40189.98	60.9	512.22	219104	10.3643 ng/ml
Diphenhydramine	5.289	314946	2176.64	33.4	183.52	1883984	9.8345 ng/ml
Doxylamine	4.542	320287	∞	99.5	10271.23	1399631	9.9304 ng/ml
EDDP	5.254	115430	2789.52	43.0	859.77	591829	9.7759 ng/ml
Etizolam	5.819	60138	762.88	25.2	∞	153773	9.5485 ng/ml
Fentanyl	5.109	11423	156.51	69.1	13282.44	535848	0.9867 ng/ml
Flualprazolam	5.705	53056	884.52	97.9	1131.95	405545	9.9869 ng/ml
Fluoxetine	5.700	126897	354815.25	8.8	2351.77	516541	9.9187 ng/ml
Hydrocodone	3.025	60686	142.46	36.9	111.82	659231	10.7821 ng/ml
Hydromorphone	1.621	51792	4701.25	75.4	875.87	9912	10.0140 ng/ml
Ketamine	4.058	115592	826.02	37.0	550.16	548651	10.1087 ng/ml
Lamotrigine	4.287	12523	1168.17	78.2	11128.56	548651	10.9191 ng/ml
Levetiracetam	2.703	52605	483.38	160.7	977.81	1385045	10.3820 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	5.746	111870	∞	57.8	353.43	153773	10.2571 ng/ml
MDA	3.216	209290	727.78	25.1	850.85	563861	10.2879 ng/ml
MDMA	3.303	116344	50604.19	81.6	18546.78	118128	9.9468 ng/ml
Meprobamate	4.931	69390	5526.01	26.8	720.35	300136	10.4018 ng/ml
Methadone	5.646	232683	7707.48	47.1	1166.27	1067295	9.6191 ng/ml
Methamphetamine	3.244	190860	555.92	38.7	513.77	657168	10.0532 ng/ml
Metoprolol	4.333	29934	76305.20	88.9	948.72	1283551	10.3059 ng/ml
Mirtazapine	4.637	204115	1529.79	48.5	14989.06	689653	9.8861 ng/ml
Mitragynine	5.236	46268	133642.79	36.5	34642.98	1067295	10.4306 ng/ml
Morphine	1.260	8322	300.16	27.3	416.48	9912	10.1715 ng/ml
Norbuprenorphine	4.992	506	675.90	96.1	1090.00	21607	1.0925 ng/ml
Nordiazepam	5.899	74744	1204.46	58.9	669.13	255256	9.8125 ng/ml
Norfentanyl	4.086	25014	∞	34.6	315.84	1101416	0.9662 ng/ml
Norhydrocodone	3.073	10798	97.35	42.1	75.55	93877	10.1962 ng/ml
Noroxycodone	2.923	66529	924.23	42.2	743.92	231851	10.1985 ng/ml
O-desmethyl-tramadol	3.383	238973	9547.39	6.8	334.10	1467868	9.8279 ng/ml
Oxazepam	5.756	138590	∞	74.8	4952.52	559016	10.0379 ng/ml
Oxycodone	2.848	118295	969.59	27.8	648.35	519594	9.8921 ng/ml
Oxymorphone	1.418	59440	477.73	43.2	200.70	213930	10.0419 ng/ml
Phentermine	3.796	61761	2036.91	4.5	95.83	679178	10.4413 ng/ml
Promethazine	5.538	206789	304.81	28.9	835.47	912015	9.6089 ng/ml
Pseudoephedrine	2.610	281623	778.92	16.8	789.82	1385045	9.6683 ng/ml
Quetiapine	5.562	135925	116858.58	61.2	109.94	188839	9.7354 ng/ml
Sertraline	5.775	59778	1664.32	97.7	483.17	288551	9.9785 ng/ml
Temazepam	5.823	220058	664.36	28.4	101.35	1081292	9.5951 ng/ml
Tramadol	4.252	262404	20148.44	3.4	94.53	1283551	10.2073 ng/ml
Trazodone	5.183	148311	638.26	81.5	67028.85	644822	9.9334 ng/ml
Venlafaxine	5.043	233752	6668.53	38.9	878.66	1216941	9.8135 ng/ml
Zolpidem	4.941	281418	37107.24	30.4	2024.13	1311448	10.2662 ng/ml

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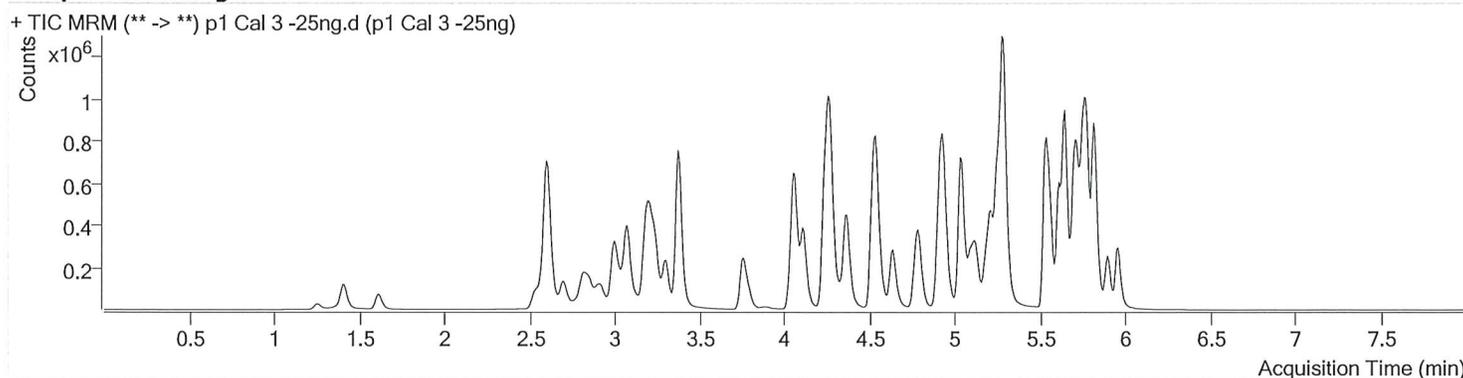


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
**Calibration Last Update** 2/25/2021 1:58:46 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>	Sophia Jackson
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/18/2021 12:29:45 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	6991	288.90	70.9	687.76	73841	2.4574 ng/ml
7-aminoclonazepam	4.284	156014	48375.25	81.4	10779.43	234294	24.4100 ng/ml
a-hydroxyalprazolam	5.698	74287	271.10	58.6	905.51	118199	26.8478 ng/ml
alpha-PHP	4.936	102300	1480.02	262.3	∞	657431	26.2391 ng/ml
alpha-PVP	4.369	368708	205040.88	52.4	583.87	657431	24.5193 ng/ml
Alprazolam	5.775	238552	2193.59	116.4	2603.25	369902	23.9846 ng/ml
Amphetamine	3.076	692923	11508.83	51.8	2344.44	311817	26.2885 ng/ml
Benzoylcegonine	3.906	9192	∞	8.4	222.13	14373	23.5080 ng/ml
Buprenorphine	5.873	9348	1732.21	16.4	2457.44	131326	2.2963 ng/ml
Bupropion	4.794	395951	27774.84	62.1	1059.18	574340	24.7455 ng/ml
Carisoprodol	5.730	255503	43035.02	54.8	1950.68	509111	23.6813 ng/ml
Citalopram	5.212	286493	23335.88	42.2	246.30	524259	24.3847 ng/ml
Clonazepam	5.611	290087	8096.93	33.3	3117.66	143656	25.7401 ng/ml
Clonazolam	5.555	184438	1417.50	38.5	5167.36	143656	25.2037 ng/ml
Cocaine	4.264	266251	∞	54.5	10072.31	1056530	24.1267 ng/ml
Codeine	2.586	34680	513.48	101.3	701.83	70680	26.3282 ng/ml
Cyclobenzaprine	5.614	277892	∞	8.3	222.18	459717	23.7445 ng/ml
Dextromethorphan	5.261	171795	5408.44	80.6	2373.96	333860	24.3765 ng/ml
Dextrorphan	4.118	107587	8263.85	206.9	385.97	529613	24.1574 ng/ml
Diazepam	5.959	169524	656.21	88.1	∞	327572	24.4010 ng/ml
Dihydrocodeine	2.565	86484	4086.97	64.0	1057.16	208173	25.6031 ng/ml
Diphenhydramine	5.289	764094	1422.81	33.6	247.94	1845313	24.1853 ng/ml
Doxylamine	4.542	754323	60948.82	97.0	∞	1313304	25.2303 ng/ml
EDDP	5.254	266433	20690.51	42.5	7811.27	563521	23.7745 ng/ml
Etizolam	5.819	137291	12215.17	25.9	1192.54	143656	22.4678 ng/ml
Fentanyl	5.109	28034	9574.64	68.6	71111.36	537897	2.4105 ng/ml
Flualprazolam	5.705	120543	1837.78	97.0	4849.77	369902	25.2671 ng/ml
Fluoxetine	5.700	330792	7167.21	8.7	2672.83	540577	25.0500 ng/ml
Hydrocodone	3.025	135475	227.74	37.8	123.26	639044	26.1254 ng/ml
Hydromorphone	1.615	122152	913.50	73.6	865.34	9240	25.5929 ng/ml
Ketamine	4.058	268620	652.10	38.1	450.98	529055	25.0676 ng/ml
Lamotrigine	4.287	27941	897.62	80.0	13926.29	529055	26.0258 ng/ml
Levetiracetam	2.697	124231	1565.50	159.1	2069.59	1309246	23.6048 ng/ml

SJ



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	253496	∞	58.8	1251.01	143656	26.1380 ng/ml
MDA	3.209	486703	625.59	25.1	2427.21	534190	26.9242 ng/ml
MDMA	3.303	268117	3590.47	82.6	5280.20	112002	24.3618 ng/ml
Meprobamate	4.931	154525	10678.07	27.0	7112.89	276641	26.7804 ng/ml
Methadone	5.646	575071	1504.44	46.8	6916.33	1057047	23.8508 ng/ml
Methamphetamine	3.244	478650	3084.14	38.9	672.12	695682	26.3401 ng/ml
Metoprolol	4.326	69440	267192.17	88.9	∞	1228146	25.8051 ng/ml
Mirtazapine	4.637	492303	∞	48.1	6063.25	657431	25.1182 ng/ml
Mitragynine	5.236	112132	210989.65	37.5	4913.94	1057047	26.7389 ng/ml
Morphine	1.260	18718	650.38	27.3	356.24	9240	24.6796 ng/ml
Norbuprenorphine	4.992	1116	4515.25	88.7	2846.38	21678	2.4261 ng/ml
Nordiazepam	5.899	176940	563.97	58.9	7557.51	243322	24.6778 ng/ml
Norfentanyl	4.086	59636	102881.73	34.2	252.48	1048432	2.3094 ng/ml
Norhydrocodone	3.073	23894	285.37	40.9	156.31	87241	23.8938 ng/ml
Noroxycodone	2.923	151233	1037.97	43.0	540.60	215850	25.1304 ng/ml
O-desmethyl-tramadol	3.383	559075	44230.91	6.9	437.67	1388521	24.2243 ng/ml
Oxazepam	5.756	319393	5671.95	72.9	352.26	513872	25.7276 ng/ml
Oxycodone	2.848	280344	1732.01	27.4	39391.16	492658	25.1488 ng/ml
Oxymorphone	1.411	138302	∞	42.6	625.89	201179	25.3296 ng/ml
Phentermine	3.796	145538	∞	4.7	187.69	661938	26.2244 ng/ml
Promethazine	5.538	560879	23862.89	27.4	∞	954982	24.6684 ng/ml
Pseudoephedrine	2.610	673105	4036.89	16.7	1393.05	1309246	23.9780 ng/ml
Quetiapine	5.562	336014	17686.11	60.7	711.90	185193	24.3475 ng/ml
Sertraline	5.775	147051	334.37	103.2	82811.19	302941	23.2570 ng/ml
Temazepam	5.823	502350	10776.68	28.3	780.73	980309	23.6061 ng/ml
Tramadol	4.252	596611	30727.20	3.9	∞	1228146	25.0093 ng/ml
Trazodone	5.183	357594	∞	80.9	63742.32	627325	25.6005 ng/ml
Venlafaxine	5.043	551762	36960.29	38.4	807.28	1152232	24.2954 ng/ml
Zolpidem	4.941	644338	5535.01	30.8	4717.56	1239659	25.7646 ng/ml

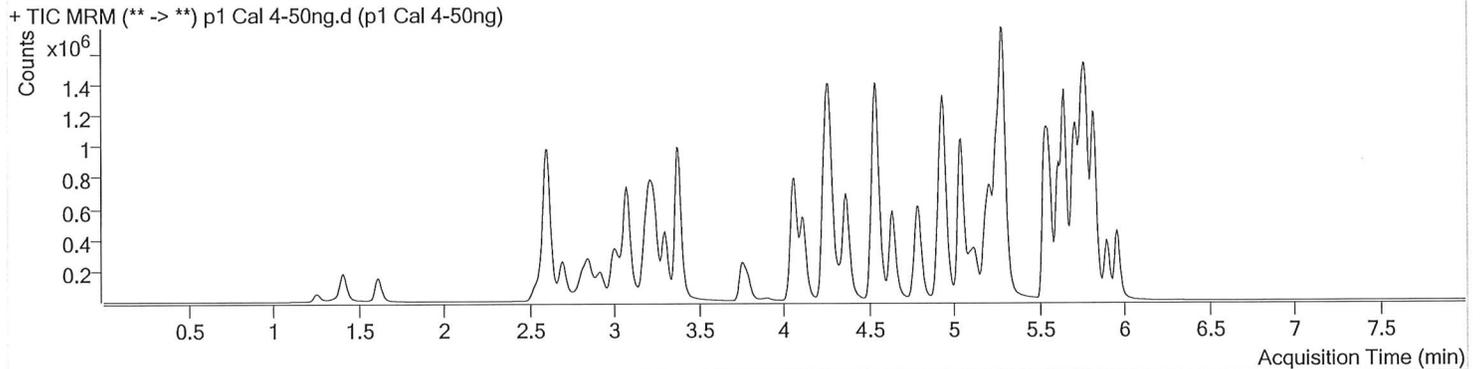
# AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Calibration Last Update 2/25/2021 1:58:46 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 4-50ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 4-50ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sophia Jackson
<b>Sample Position</b>	P2-D1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/18/2021 12:40:20 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	14122	548.50	70.7	14629.41	71887	5.0815 ng/ml
7-aminoclonazepam	4.284	318431	∞	81.1	696.35	225860	51.5684 ng/ml
a-hydroxyalprazolam	5.698	143039	565.46	61.1	391.92	120009	52.1389 ng/ml
alpha-PHP	4.937	215702	12636.15	259.8	16352.00	650793	56.7786 ng/ml
alpha-PVP	4.376	760467	10383.04	53.7	8881.15	650793	51.0362 ng/ml
Alprazolam	5.775	507586	912.18	111.7	7458.50	362337	52.1071 ng/ml
Amphetamine	3.076	1355323	23443.12	52.1	∞	299900	54.2155 ng/ml
Benzoylcegonine	3.906	19332	182.29	7.9	∞	13685	52.3596 ng/ml
Buprenorphine	5.873	19195	∞	14.9	31666.38	125410	4.8471 ng/ml
Bupropion	4.794	824920	20555.31	61.5	14087.74	555537	53.4946 ng/ml
Carisoprodol	5.730	499823	∞	56.4	1246.52	485558	48.2681 ng/ml
Citalopram	5.212	582709	1096.40	42.5	1559.43	505005	51.3999 ng/ml
Clonazepam	5.611	581203	10083.37	33.4	2238.20	138259	54.1737 ng/ml
Clonazepam	5.555	380710	2203.27	38.0	119694.31	138259	54.6688 ng/ml
Cocaine	4.264	557452	56232.00	54.3	40345.85	1037965	51.2571 ng/ml
Codeine	2.586	73310	2057.51	100.1	817.73	70151	56.9772 ng/ml
Cyclobenzaprine	5.614	546646	427.22	8.3	308.21	417238	51.0467 ng/ml
Dextromethorphan	5.261	344295	43524.18	81.1	10832.32	308936	52.7191 ng/ml
Dextropropion	4.118	232904	14407.10	204.0	12480.87	520070	53.1866 ng/ml
Diazepam	5.959	357211	3898.44	88.0	1124.54	320800	52.4392 ng/ml
Dihydrocodeine	2.565	186906	14943.05	62.5	649.10	208870	55.7369 ng/ml
Diphenhydramine	5.289	1563187	1740.51	33.7	235.42	1747408	52.1138 ng/ml
Doxylamine	4.542	1630231	33311.54	96.6	68429.51	1339381	53.6920 ng/ml
EDDP	5.254	596074	6248.70	42.4	1564.65	571216	52.5376 ng/ml
Etizolam	5.819	287134	3036.24	25.6	2698.65	138259	48.1202 ng/ml
Fentanyl	5.109	56266	5959.43	69.1	81529.95	502954	5.1728 ng/ml
Flualprazolam	5.705	246465	∞	96.8	15377.96	362337	53.0251 ng/ml
Fluoxetine	5.700	604998	∞	8.8	1071.61	458404	54.2942 ng/ml
Hydrocodone	3.025	283711	∞	38.9	∞	647296	55.0752 ng/ml
Hydromorphone	1.621	254569	2064.86	72.4	1876.74	9310	53.1128 ng/ml
Ketamine	4.058	564698	26135.33	38.2	632.80	525470	53.6163 ng/ml
Lamotrigine	4.287	57783	1509.74	82.7	11426.38	525470	54.8165 ng/ml
Levetiracetam	2.697	256326	13710.11	159.2	12235.14	1290765	47.6995 ng/ml

SJ



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	482083	∞	58.7	∞	138259	52.5093 ng/ml
MDA	3.216	962288	39494.42	25.0	5194.93	514974	56.4269 ng/ml
MDMA	3.303	574944	112454.85	82.1	26739.41	110834	52.9428 ng/ml
Meprobamate	4.931	314167	354613.31	27.1	2110.90	275456	55.8954 ng/ml
Methadone	5.646	1186589	900.43	45.2	1315.80	1007649	51.5064 ng/ml
Methamphetamine	3.244	928967	548.41	38.1	835.63	642696	57.3649 ng/ml
Metoprolol	4.333	147216	46345.98	90.4	2100.18	1224730	55.5079 ng/ml
Mirtazapine	4.637	1014547	9536.97	48.6	2913.93	650793	52.3668 ng/ml
Mitragynine	5.236	216847	22802.99	39.7	15048.40	1007649	55.1079 ng/ml
Morphine	1.260	39110	1199.57	28.8	4450.47	9310	51.2783 ng/ml
Norbuprenorphine	4.992	2260	8024.84	98.6	928.55	20577	5.1975 ng/ml
Nordiazepam	5.899	367718	72993.31	58.1	12062.78	234498	53.4569 ng/ml
Norfentanyl	4.086	127092	12130.15	34.0	983.93	1030639	4.9209 ng/ml
Norhydrocodone	3.073	45072	202.80	41.9	74.11	79841	48.9528 ng/ml
Noroxycodone	2.923	311043	1470.35	43.3	668.93	211487	52.9269 ng/ml
O-desmethyl-tramadol	3.383	1190126	27266.67	7.0	530.72	1379915	51.8254 ng/ml
Oxazepam	5.756	624066	14578.89	73.5	∞	473459	54.9782 ng/ml
Oxycodone	2.848	595747	3363.10	27.5	3333.08	489143	54.1492 ng/ml
Oxymorphone	1.412	277296	572.70	43.4	518.96	197703	52.0202 ng/ml
Phentermine	3.796	307424	308.47	4.5	216.51	644671	57.6853 ng/ml
Promethazine	5.531	1072831	2343.76	27.9	444.48	868456	51.7324 ng/ml
Pseudoephedrine	2.610	1417038	∞	16.7	2382.03	1290765	50.8540 ng/ml
Quetiapine	5.562	685110	776.06	59.7	48884.12	176671	51.8933 ng/ml
Sertraline	5.775	278693	465.83	98.8	11517.01	256414	51.9605 ng/ml
Temazepam	5.823	1018191	12387.23	28.2	721.25	909052	51.1639 ng/ml
Tramadol	4.252	1265875	64638.97	3.7	945.59	1224730	53.8308 ng/ml
Trazodone	5.183	748339	∞	79.1	69511.57	603659	56.4548 ng/ml
Venlafaxine	5.043	1162617	84906.86	39.2	2199.81	1154313	50.9749 ng/ml
Zolpidem	4.941	1340488	16501.17	30.8	13338.54	1227297	54.8361 ng/ml

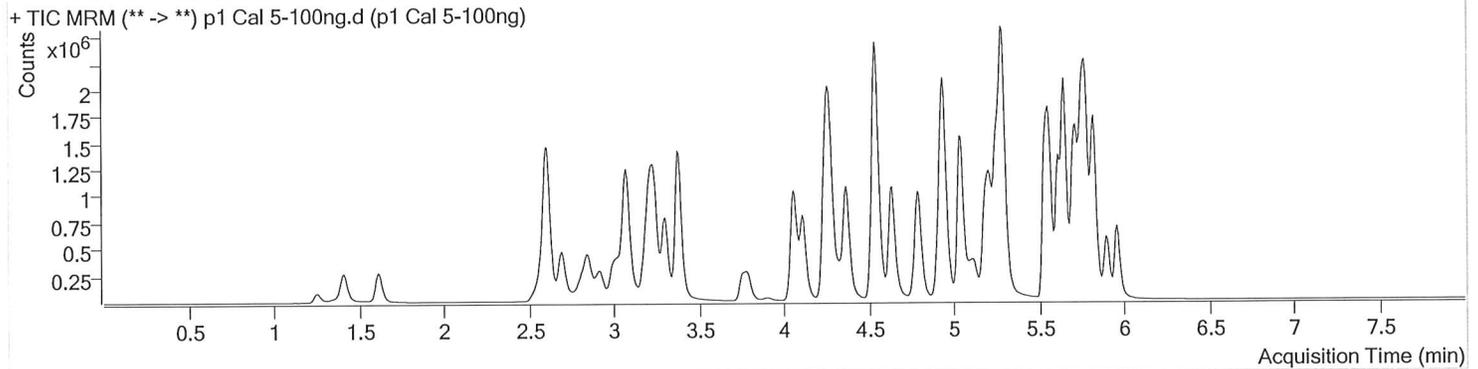
# AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Calibration Last Update 2/25/2021 1:58:46 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sophia Jackson
<b>Sample Position</b>	P2-E1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/18/2021 12:50:56 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	27930	937.99	68.3	20691.42	72496	9.9496 ng/ml
7-aminoclonazepam	4.278	567134	39813.02	81.5	220.63	206147	100.5308 ng/ml
a-hydroxyalprazolam	5.698	238970	911.93	59.7	1790.53	124873	84.5395 ng/ml
alpha-PHP	4.937	381964	27291.25	265.3	80908.51	627998	104.8498 ng/ml
alpha-PVP	4.369	1443510	30488.47	53.0	14916.81	627998	100.3469 ng/ml
Alprazolam	5.775	911295	532.91	113.8	1099.38	332191	102.0466 ng/ml
Amphetamine	3.076	2453530	27778.84	51.1	18945.19	295297	100.2870 ng/ml
Benzoylcegonine	3.906	38058	4129.43	8.6	352.38	14403	98.2449 ng/ml
Buprenorphine	5.873	35931	∞	15.8	40782.75	116243	9.7085 ng/ml
Bupropion	4.794	1547748	7829.75	61.4	494.46	553062	100.9677 ng/ml
Carisoprodol	5.730	877397	∞	54.6	6517.07	420543	97.5318 ng/ml
Citalopram	5.212	1069713	36570.25	43.1	36224.95	477286	99.7634 ng/ml
Clonazepam	5.611	1021135	3193.17	33.5	29475.81	127807	103.4539 ng/ml
Clonazolam	5.555	685487	∞	38.1	17803.48	127807	106.9920 ng/ml
Cocaine	4.264	1027926	111773.60	54.3	41445.76	990874	98.8761 ng/ml
Codeine	2.586	129486	6633.47	101.4	10833.58	66728	106.4851 ng/ml
Cyclobenzaprine	5.614	993109	29339.70	8.5	303.70	392337	98.2912 ng/ml
Dextromethorphan	5.261	619151	20045.10	78.9	25502.10	293056	99.8850 ng/ml
Dextrorphan	4.118	428369	15340.94	207.6	2005.37	516239	98.5003 ng/ml
Diazepam	5.959	658206	∞	88.3	935.73	304691	101.6832 ng/ml
Dihydrocodeine	2.565	343728	6398.23	62.8	1086.07	204916	104.9269 ng/ml
Diphenhydramine	5.289	2909018	1282.38	33.8	2674.10	1701610	99.4841 ng/ml
Doxylamine	4.542	3085436	155148.27	96.8	131659.94	1303399	104.6160 ng/ml
EDDP	5.254	1069541	35041.62	42.3	9883.65	532355	101.2000 ng/ml
Etizolam	5.819	520132	13495.82	25.8	2740.35	127807	93.7210 ng/ml
Fentanyl	5.109	107346	1636.10	69.2	311444.18	491050	10.1067 ng/ml
Flualprazolam	5.705	446673	6290.40	96.5	12817.93	332191	105.0751 ng/ml
Fluoxetine	5.700	1022876	25569.64	8.8	4587.20	413769	101.8994 ng/ml
Hydrocodone	3.025	526235	814.42	38.8	∞	637273	104.6404 ng/ml
Hydromorphone	1.615	470505	867.24	73.9	3216.78	9118	100.3786 ng/ml
Ketamine	4.058	1055392	44459.15	38.2	517.70	511613	103.3806 ng/ml
Lamotrigine	4.287	102694	10957.69	82.1	1779.56	511613	100.5386 ng/ml
Levetiracetam	2.697	483730	980.31	159.5	∞	1257842	90.9151 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	5.746	759048	1199.44	58.0	3036.76	127807	90.0591 ng/ml
MDA	3.209	1696341	30253.06	25.0	13371.66	487368	106.0956 ng/ml
MDMA	3.303	1064413	115071.29	82.7	11005.24	107824	100.8685 ng/ml
Meprobamate	4.924	529225	4895.40	26.5	10255.36	258482	101.2667 ng/ml
Methadone	5.646	2228786	5017.58	45.7	33580.86	954808	101.9985 ng/ml
Methamphetamine	3.244	1764265	2845.31	38.2	2133.93	669410	106.1160 ng/ml
Metoprolol	4.326	270202	502991.48	90.6	∞	1196474	104.7914 ng/ml
Mirtazapine	4.637	1904120	26657.00	47.8	149714.38	627998	101.9155 ng/ml
Mitragynine	5.236	385901	36411.67	40.6	5368.85	954808	104.2346 ng/ml
Morphine	1.260	72719	3621.55	28.1	884.39	9118	97.4357 ng/ml
Norbuprenorphine	4.992	4121	∞	104.5	257.77	19838	9.8475 ng/ml
Nordiazepam	5.899	662644	49862.59	58.5	1206.26	221817	102.0275 ng/ml
Norfentanyl	4.086	234557	28198.12	34.8	863.70	986165	9.4233 ng/ml
Norhydrocodone	3.073	78889	322.31	41.4	6792.07	71114	95.9262 ng/ml
Noroxycodone	2.916	556801	2311.78	42.5	1491.45	195882	102.4406 ng/ml
O-desmethyl-tramadol	3.383	2242479	368866.35	6.9	7162.71	1340829	100.4456 ng/ml
Oxazepam	5.756	1034029	∞	73.5	∞	399740	108.2531 ng/ml
Oxycodone	2.848	1115953	5176.25	27.4	1809.83	480060	103.6083 ng/ml
Oxymorphone	1.411	509932	420.48	42.4	817.60	186655	101.6354 ng/ml
Phentermine	3.789	562843	∞	4.6	1424.77	640670	106.8536 ng/ml
Promethazine	5.531	1977598	2562.29	27.8	984.31	823950	100.3804 ng/ml
Pseudoephedrine	2.610	2657162	∞	16.6	17683.46	1257842	97.5719 ng/ml
Quetiapine	5.562	1275011	∞	59.5	∞	171643	99.2880 ng/ml
Sertraline	5.775	476754	612.02	99.4	∞	228677	99.5845 ng/ml
Temazepam	5.823	1781675	1059.76	27.7	421.34	821223	98.7620 ng/ml
Tramadol	4.245	2344993	106825.61	3.7	1582.36	1196474	102.5663 ng/ml
Trazodone	5.183	1406677	102882.59	81.0	6521.32	600814	107.2126 ng/ml
Venlafaxine	5.043	2176444	1115.64	38.8	3399.32	1120258	98.2213 ng/ml
Zolpidem	4.941	2499219	11238.88	30.9	6381.50	1192787	105.7747 ng/ml

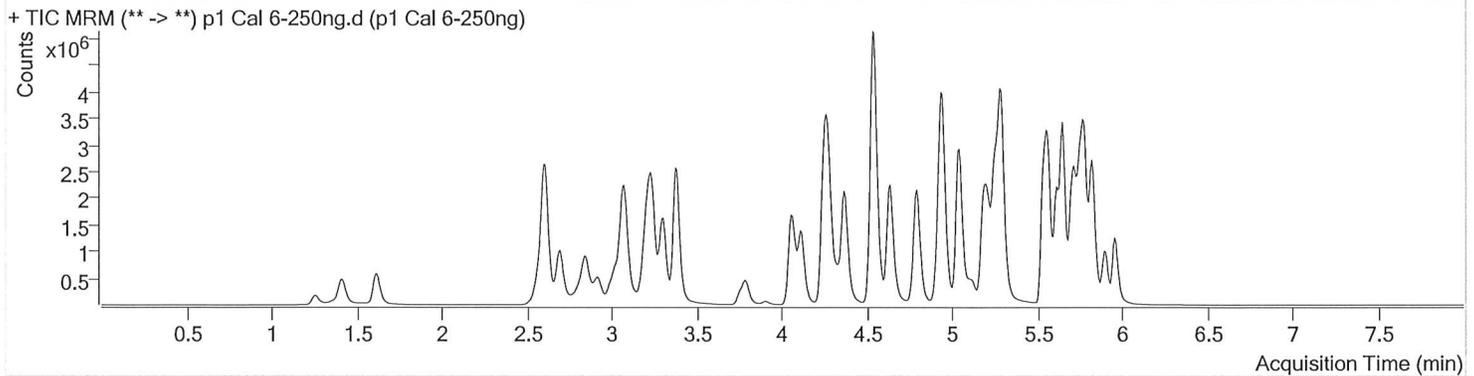


# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Calibration Last Update 2/25/2021 1:58:46 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 6-250ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 6-250ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sophia Jackson
<b>Sample Position</b>	P2-F1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/18/2021 1:01:32 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	67744	71626.15	70.9	1512.20	71196	24.5492 ng/ml
7-aminoclonazepam	4.284	1105463	∞	77.3	∞	159890	252.4926 ng/ml
a-hydroxylalprazolam	5.691	399831	2169.70	59.4	475.61	132381	134.2137 ng/ml
alpha-PHP	4.937	763629	4108.82	263.8	∞	589511	224.1913 ng/ml
alpha-PVP	4.369	3290538	211751.60	53.3	1830.90	589511	243.6113 ng/ml
Alprazolam	5.781	1881222	1341.62	112.4	1475.04	280265	249.6979 ng/ml
Amphetamine	3.076	4730320	68788.69	51.3	18371.71	267461	214.2950 ng/ml
Benzoylcegonine	3.906	98703	271.80	8.1	1848.01	14725	249.7685 ng/ml
Buprenorphine	5.873	69288	920.96	14.7	16206.46	85607	25.2945 ng/ml
Bupropion	4.794	3524690	1640.00	62.1	7738.95	511977	248.6327 ng/ml
Carisoprodol	5.730	1603374	∞	54.9	11217.01	297159	251.7753 ng/ml
Citalopram	5.212	1942835	66573.37	43.0	276623.62	350066	246.9240 ng/ml
Clonazepam	5.611	1896895	68035.98	33.4	16806.79	102865	239.4897 ng/ml
Clonazolam	5.555	1333364	64252.99	38.4	8155.85	102865	259.3347 ng/ml
Cocaine	4.264	2292083	75969.08	53.0	94905.87	873259	249.9525 ng/ml
Codeine	2.586	250337	12132.60	105.1	6213.54	62792	219.6145 ng/ml
Cyclobenzaprine	5.614	1856006	1301.12	8.5	8524.31	296778	242.3175 ng/ml
Dextromethorphan	5.261	1125686	999.72	79.4	20330.91	210589	252.6184 ng/ml
Dextrorphan	4.118	903550	28529.09	209.6	2102.33	441726	242.7275 ng/ml
Diazepam	5.959	1393092	12494.17	88.5	25452.14	264579	247.7615 ng/ml
Dihydrocodeine	2.559	773851	1981.20	63.4	3382.64	206024	235.5888 ng/ml
Diphenhydramine	5.289	5562428	180153.92	33.5	36694.91	1299302	248.9502 ng/ml
Doxylamine	4.542	7096272	308251.71	96.2	149905.44	1239071	253.3875 ng/ml
EDDP	5.254	2382074	37924.32	42.6	3607.12	495264	242.3465 ng/ml
Etizolam	5.819	1158001	11685.27	24.6	19976.36	102865	258.1898 ng/ml
Fentanyl	5.109	212405	284.45	70.1	213.85	401572	24.4524 ng/ml
Flualprazolam	5.705	888192	10450.93	99.8	27085.19	280265	248.0037 ng/ml
Fluoxetine	5.700	1772342	∞	8.8	6132.57	296365	246.8327 ng/ml
Hydrocodone	3.025	1178555	∞	38.1	272.20	615357	244.0103 ng/ml
Hydromorphone	1.615	1046269	1015.81	74.3	923.31	8529	238.8542 ng/ml
Ketamine	4.058	2470487	64804.92	37.7	6439.42	496480	250.0793 ng/ml
Lamotrigine	4.287	204068	73822.17	82.7	226580.86	496480	206.4809 ng/ml
Levetiracetam	2.697	1090126	18448.92	161.4	24996.72	1105106	230.7652 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	5.746	1058162	∞	57.0	218.51	102865	156.6360 ng/ml
MDA	3.209	3114560	33685.93	24.8	31337.05	406125	235.1465 ng/ml
MDMA	3.303	2351376	76691.55	82.1	122573.79	96127	250.1307 ng/ml
Meprobamate	4.924	927230	210886.43	26.7	158.28	230370	200.2011 ng/ml
Methadone	5.646	4190537	51154.93	46.7	1041.33	736352	248.5238 ng/ml
Methamphetamine	3.237	3838111	2831.02	37.8	1723.38	625787	249.3912 ng/ml
Metoprolol	4.326	600072	265304.30	90.8	5475.11	1082051	258.1708 ng/ml
Mirtazapine	4.637	4088040	244909.79	47.6	69936.67	589511	233.1808 ng/ml
Mitragynine	5.236	697095	∞	39.3	659686.45	736352	245.2777 ng/ml
Morphine	1.260	172525	829.39	26.8	4045.50	8529	247.2729 ng/ml
Norbuprenorphine	4.992	8131	120.95	104.9	1355.64	16150	23.8954 ng/ml
Nordiazepam	5.906	1309037	2752.50	59.4	22485.17	184508	242.5950 ng/ml
Norfentanyl	4.086	540336	1716.06	35.3	2292.39	883500	24.1150 ng/ml
Norhydrocodone	3.073	164420	∞	41.0	1286.32	57968	244.8355 ng/ml
Noroxycodone	2.916	1110283	1800.11	43.2	896.55	165417	242.1070 ng/ml
O-desmethyl-tramadol	3.383	5298805	3092.95	6.9	21702.27	1283618	247.8421 ng/ml
Oxazepam	5.756	1491765	∞	76.6	6253.17	259119	241.3847 ng/ml
Oxycodone	2.841	2602133	18193.77	27.2	10020.53	471833	246.1900 ng/ml
Oxymorphone	1.411	1149603	∞	41.2	525.54	170700	251.0271 ng/ml
Phentermine	3.789	1101824	5638.97	4.7	3184.83	586722	229.1959 ng/ml
Promethazine	5.531	3825813	5076.19	28.2	3759.05	645656	247.6144 ng/ml
Pseudoephedrine	2.610	5944243	∞	16.6	2641.33	1105106	247.9689 ng/ml
Quetiapine	5.562	2667209	315.52	60.3	78134.58	146625	242.9559 ng/ml
Sertraline	5.775	865622	1464.80	99.7	2213.75	166182	248.6700 ng/ml
Temazepam	5.830	3309682	45964.65	27.8	1230.22	605365	248.3258 ng/ml
Tramadol	4.245	5268997	∞	3.7	∞	1082051	255.6420 ng/ml
Trazodone	5.183	3001405	171272.70	80.9	4242.43	551517	250.0847 ng/ml
Venlafaxine	5.043	4996137	58896.19	39.0	19760.36	1019346	247.6196 ng/ml
Zolpidem	4.941	5729592	218882.84	30.5	∞	1157515	250.7436 ng/ml

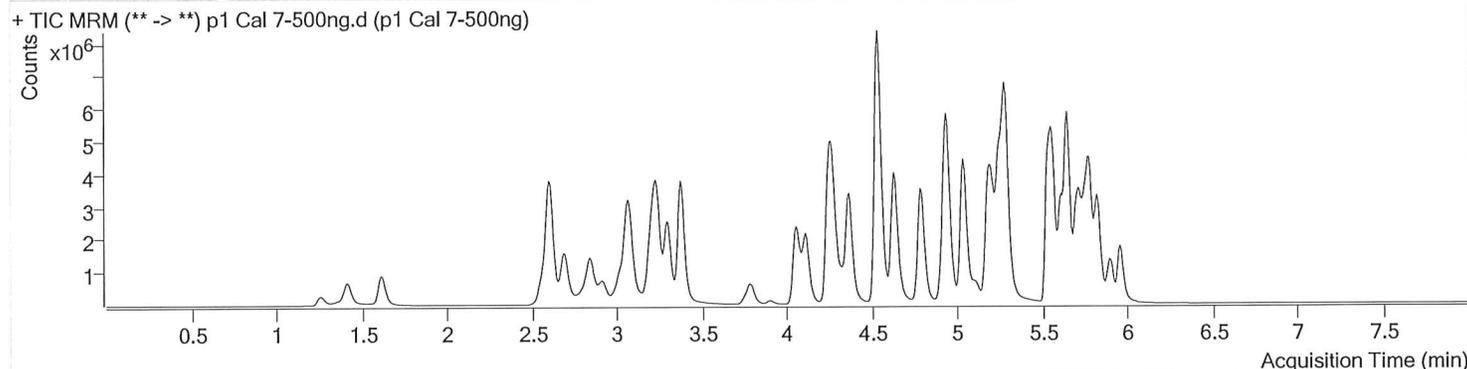
# AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Calibration Last Update 2/25/2021 1:58:46 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>	Sophia Jackson
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/18/2021 1:12:07 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	118411	2230.68	70.7	1775.70	61598	49.5791 ng/ml
7-aminoclonazepam	4.284	1400354	34291.82	83.7	23115.18	107323	476.4184 ng/ml
a-hydroxyalprazolam	5.691	486209	1612.58	60.8	1013.00	137062	157.8729 ng/ml
alpha-PHP	4.936	1223672	6300.54	261.1	125828.62	482966	439.2594 ng/ml
alpha-PVP	4.369	5633497	165229.21	52.9	2855.46	482966	509.0257 ng/ml
Alprazolam	5.775	2758494	738.50	111.8	3641.15	199730	513.7830 ng/ml
Amphetamine	3.069	7085872	164093.45	51.3	99943.36	226777	379.1553 ng/ml
Benzoylcegonine	3.899	176793	2781.64	8.0	1395.49	12593	523.5028 ng/ml
Buprenorphine	5.873	141071	8194.45	14.9	47386.17	77584	56.7279 ng/ml
Bupropion	4.788	6056718	1149.81	61.5	1089.32	444185	492.6148 ng/ml
Carisoprodol	5.730	2137731	∞	54.8	8216.29	190295	523.8797 ng/ml
Citalopram	5.212	3631171	117648.70	41.8	1300.74	321884	501.8266 ng/ml
Clonazepam	5.611	2417783	65933.64	33.0	44705.15	69848	450.0233 ng/ml
Clonazolam	5.555	1722187	2658.97	37.8	22228.82	69848	493.7769 ng/ml
Cocaine	4.264	3605533	∞	53.7	40249.22	681952	503.3398 ng/ml
Codeine	2.580	379231	∞	95.1	14601.89	48627	430.3726 ng/ml
Cyclobenzaprine	5.614	3711110	2904.08	8.1	236.79	275638	521.2655 ng/ml
Dextromethorphan	5.261	1912626	2946.47	79.9	2294.59	183726	491.9147 ng/ml
Dextrorphan	4.111	1576131	50940.40	207.5	5310.83	373674	500.4566 ng/ml
Diazepam	5.959	2160844	743.87	89.2	25709.42	206334	492.7364 ng/ml
Dihydrocodeine	2.559	1234530	594.05	63.9	955.71	178676	433.7917 ng/ml
Diphenhydramine	5.289	10197478	92562.48	33.5	1320.56	1167080	507.9784 ng/ml
Doxylamine	4.536	12155478	208775.68	97.7	120550.61	1072725	501.5408 ng/ml
EDDP	5.254	4720101	220181.07	41.8	40479.97	475677	500.0430 ng/ml
Etizolam	5.813	1778821	3157.99	24.6	46198.67	69848	583.3269 ng/ml
Fentanyl	5.109	437232	79367.11	70.2	1682.65	407299	49.6258 ng/ml
Flualprazolam	5.705	1260916	4020.04	104.0	677.18	199730	494.3023 ng/ml
Fluoxetine	5.700	2878809	198599.37	8.7	73827.64	246451	482.3493 ng/ml
Hydrocodone	3.018	1979690	∞	37.6	∞	526329	480.1677 ng/ml
Hydromorphone	1.615	1633768	1427.81	75.4	∞	6602	482.0158 ng/ml
Ketamine	4.058	4056344	30395.10	37.6	1072.49	418825	487.2165 ng/ml
Lamotrigine	4.287	295306	∞	82.0	61696.42	418825	354.6123 ng/ml
Levetiracetam	2.690	1743084	43181.98	160.9	92774.93	862528	471.1288 ng/ml

SS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	1088517	∞	59.2	∞	69848	237.7492 ng/ml
MDA	3.203	4107572	62245.35	25.7	20442.03	312873	403.3662 ng/ml
MDMA	3.296	3777318	12730.47	82.5	174406.73	77585	497.9748 ng/ml
Meprobamate	4.917	1168018	17545.19	27.2	5082.09	178997	325.2947 ng/ml
Methadone	5.646	8097091	61366.28	46.1	54052.33	698036	506.4582 ng/ml
Methamphetamine	3.237	6637695	17336.19	37.3	23594.05	577304	469.1354 ng/ml
Metoprolol	4.326	918728	17008.74	90.7	11493.01	904491	473.3401 ng/ml
Mirtazapine	4.630	7395174	114596.92	48.2	403095.71	482966	514.9578 ng/ml
Mitragynine	5.236	1302367	20703.12	40.1	112813.70	698036	484.2157 ng/ml
Morphine	1.260	273720	16628.74	27.6	6921.97	6602	506.9279 ng/ml
Norbuprenorphine	4.985	16558	268.11	97.5	194.83	15732	49.9807 ng/ml
Nordiazepam	5.906	1928430	∞	57.9	∞	134068	492.0558 ng/ml
Norfentanyl	4.086	864216	4488.17	34.6	2721.72	666228	51.0658 ng/ml
Norhydrocodone	3.066	267940	176.14	42.1	3425.68	44377	520.8598 ng/ml
Noroxycodone	2.916	1632378	3243.64	43.2	307.57	121933	483.0556 ng/ml
O-desmethyl-tramadol	3.376	8784954	124652.47	6.8	25322.91	1037554	508.2902 ng/ml
Oxazepam	5.756	1693490	∞	73.4	3913.12	151878	467.8652 ng/ml
Oxycodone	2.841	4360943	2990.92	26.8	2346.20	402559	483.8662 ng/ml
Oxymorphone	1.411	1796918	∞	42.6	∞	137693	486.7393 ng/ml
Phentermine	3.789	1686053	5302.48	4.5	2771.90	505634	407.5053 ng/ml
Promethazine	5.531	7677914	11960.23	28.0	2401.38	634448	505.5636 ng/ml
Pseudoephedrine	2.610	9447476	1370.59	16.3	∞	862528	504.6308 ng/ml
Quetiapine	5.555	4783185	65479.77	60.2	1043.85	127849	499.5554 ng/ml
Sertraline	5.768	1456546	36570.92	97.8	158988.99	138287	502.7361 ng/ml
Temazepam	5.830	4274303	81056.40	28.2	865.04	390513	496.7785 ng/ml
Tramadol	4.245	8505674	206162.77	3.7	5150.35	904491	494.2030 ng/ml
Trazodone	5.183	5705209	105609.92	81.0	216775.37	535288	490.4217 ng/ml
Venlafaxine	5.036	8288630	14586.21	38.6	14256.36	816412	512.7936 ng/ml
Zolpidem	4.934	9190855	613192.87	30.0	139033.90	971882	479.6189 ng/ml

# AM #28 Multi-Drug Quant. Results

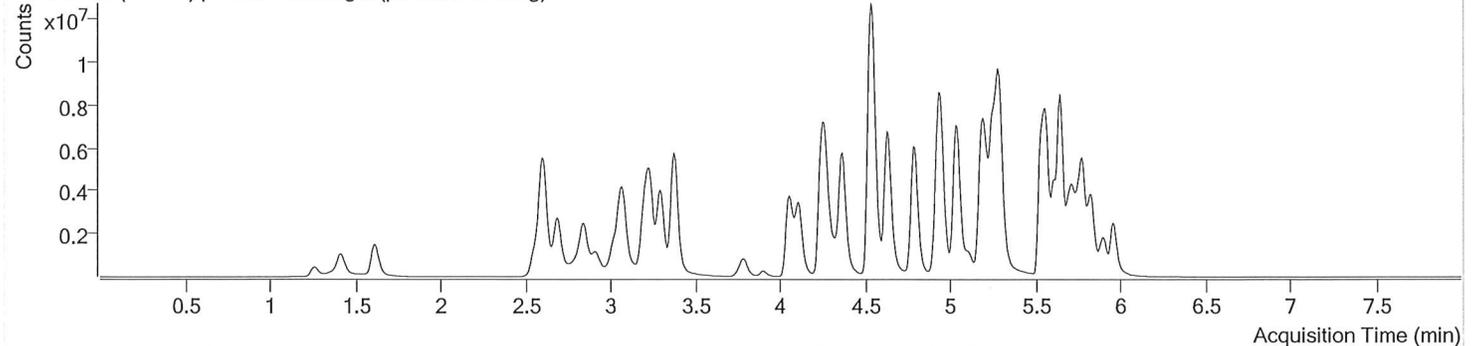


Batch results D:\MassHunter\Data\2021\AM 27-28\021821 AM 28 P1 SJ\QuantResults\AM 28 P1.batch.bin  
 Calibration Last Update 2/25/2021 1:58:46 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 8-1000ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 8-1000ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sophia Jackson
<b>Sample Position</b>	P2-H1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/18/2021 1:22:45 PM		
<b>Sample Info.</b>			

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) p1 Cal 8-1000ng.d (p1 Cal 8-1000ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	248302	20199.03	70.2	4972.36	62312	102.7564 ng/ml
7-aminoclonazepam	4.284	1727541	10561.39	80.3	22976.66	61249	1029.7282 ng/ml
a-hydroxyalprazolam	5.685	592464	62.80	59.7	902.84	155428	169.7449 ng/ml
alpha-PHP	4.936	1892884	4111.87	264.8	9649.01	445301	737.4921 ng/ml
alpha-PVP	4.369	10308207	1652.38	53.8	103725.01	445301	1010.1555 ng/ml
Alprazolam	5.781	4091064	1067.71	114.1	∞	159135	956.3657 ng/ml
Amphetamine	3.069	9678266	122818.44	50.7	123321.93	178079	660.0263 ng/ml
Benzoylcegonine	3.899	449085	24177.76	7.9	7540.78	14828	1129.7543 ng/ml
Buprenorphine	5.873	250463	∞	14.6	81287.42	58003	134.6100 ng/ml
Bupropion	4.788	11058451	6790.69	61.7	62407.04	414198	964.7017 ng/ml
Carisoprodol	5.730	2638001	2642154.84	55.7	∞	116453	1056.1118 ng/ml
Citalopram	5.212	5363653	802.32	42.4	527.61	234783	1016.1688 ng/ml
Clonazepam	5.611	2872535	33825.06	33.8	46752.86	49320	757.5810 ng/ml
Clonazolam	5.562	1984955	49702.31	38.7	12905.94	49320	806.3369 ng/ml
Cocaine	4.264	6088511	75949.41	52.5	110798.98	568311	1019.7863 ng/ml
Codeine	2.580	559297	∞	95.9	∞	42448	727.6654 ng/ml
Cyclobenzaprine	5.614	5482396	158130.51	8.1	886.67	204336	1038.4157 ng/ml
Dextromethorphan	5.261	2657912	6081.60	79.4	4619.23	128184	979.7351 ng/ml
Dextropropion	4.111	2771560	3823.49	207.9	25338.49	320873	1024.7840 ng/ml
Diazepam	5.959	3433646	442.14	88.9	∞	164262	983.4597 ng/ml
Dihydrocodeine	2.552	2155670	∞	63.9	931.19	182595	741.5647 ng/ml
Diphenhydramine	5.289	15514032	1595.05	35.4	920.71	911443	989.4624 ng/ml
Doxylamine	4.536	21091365	390019.21	97.6	159675.13	1074665	868.8170 ng/ml
EDDP	5.254	9024188	146930.76	42.1	1461.67	444390	1023.3780 ng/ml
Etizolam	5.819	2922161	1362.49	24.7	1235.75	49320	1356.3194 ng/ml
Fentanyl	5.109	838015	53428.76	70.1	1807952.45	378666	102.3053 ng/ml
Flualprazolam	5.705	1845187	∞	101.6	2648.08	159135	908.0910 ng/ml
Fluoxetine	5.700	3400552	49835.09	8.5	9389.30	147186	954.2594 ng/ml
Hydrocodone	3.018	3406609	994.60	38.4	498.62	511221	851.4489 ng/ml
Hydromorphone	1.615	2998669	∞	76.5	∞	6424	909.4011 ng/ml
Ketamine	4.058	7429516	233582.70	37.4	29901.49	406537	919.7922 ng/ml
Lamotrigine	4.287	391247	37419.38	83.4	25594.19	406537	484.2334 ng/ml
Levetiracetam	2.690	3061694	108876.60	162.3	101952.31	672537	1059.3556 ng/ml

ST



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	1127411	∞	58.1	4205.43	49320	349.1499 ng/ml
MDA	3.203	6518358	69498.34	24.3	34178.90	260884	768.7049 ng/ml
MDMA	3.296	6394285	∞	82.8	60244.17	67771	965.1840 ng/ml
Meprobamate	4.910	1362867	∞	27.2	20023.16	158905	427.9175 ng/ml
Methadone	5.646	12806920	129273.56	48.1	77387.94	557582	1002.7317 ng/ml
Methamphetamine	3.237	8908824	33935.35	37.4	26846.71	440596	826.4195 ng/ml
Metoprolol	4.326	1476275	170722.62	89.9	∞	825109	834.2088 ng/ml
Mirtazapine	4.630	13209140	338386.59	48.8	∞	445301	997.6755 ng/ml
Mitragynine	5.236	1802557	∞	39.8	∞	557582	839.6178 ng/ml
Morphine	1.260	493406	15902.79	27.4	6327.32	6424	939.2166 ng/ml
Norbuprenorphine	4.992	29076	9237.75	99.3	653.91	13585	101.6501 ng/ml
Nordiazepam	5.906	2783079	∞	57.7	992.09	96885	982.8710 ng/ml
Norfentanyl	4.086	1483985	7661.61	34.3	3561.73	502642	116.1317 ng/ml
Norhydrocodone	3.066	484761	959.67	45.0	138.36	39352	1062.3913 ng/ml
Noroxycodone	2.916	2560556	∞	43.2	500.39	94835	974.3945 ng/ml
O-desmethyl-tramadol	3.376	15489720	257475.52	7.0	27994.79	940815	988.3230 ng/ml
Oxazepam	5.749	1549941	27947.65	73.1	1401.77	71991	903.7245 ng/ml
Oxycodone	2.841	8324309	4418.16	26.6	1485.70	396399	938.2370 ng/ml
Oxymorphone	1.411	3184596	∞	42.5	1142.62	124094	957.4761 ng/ml
Phentermine	3.789	2473723	14864.68	4.7	5781.89	441332	685.4587 ng/ml
Promethazine	5.531	11490564	384566.29	28.2	8897.63	483023	993.6733 ng/ml
Pseudoephedrine	2.610	15420879	∞	16.6	∞	672537	1056.0553 ng/ml
Quetiapine	5.562	8354608	209178.49	59.6	838.26	107720	1035.4684 ng/ml
Sertraline	5.768	1713309	92449.60	99.5	33920.91	79742	1025.4351 ng/ml
Temazepam	5.830	5249647	126813.38	28.3	17348.82	222811	1068.9448 ng/ml
Tramadol	4.245	13884733	118243.92	3.8	13247.96	825109	884.7894 ng/ml
Trazodone	5.183	10352474	530964.56	81.3	337808.98	583277	817.1273 ng/ml
Venlafaxine	5.036	14701846	7663.47	39.0	6083.47	731309	1015.2952 ng/ml
Zolpidem	4.941	15898148	389296.46	30.9	∞	941352	857.0373 ng/ml