




















**REVIEWED**

By Anne Nord at 8:49 am, Mar 26, 2021

TS

3/24/2021

**Worklist: 4845**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-5295	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2021-0319	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2021-0371	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2021-0395	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2021-0464	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
M2021-0532	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0129	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0217	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0218	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0236	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0285	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0312	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0380	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0395	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0445	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0448	3	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0542	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0577	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2021-0579	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	

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

TS

Extraction Date: 3/18/2021

Analyst: Tamara Salazar – HOA Amber Gerheart

Plate lot#: 201207

Plate Expiration: 6/7/2021

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

**Blank Blood Lot:** 20L20724    **Blank Urine Lot:** POC031319

**Column:** Agilent 120 EC-C18 (2.1x 100-2.7um)    **LCMS-QQ ID:** 069901

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: 42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5M 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: *Curve ranges:* Alpha-hydroxyalprazolam 5-250 ng/mL, Alpha-PHP 5-500 ng/mL, BZE 10-1000 ng/mL, Codeine 5-500 ng/mL, Dihydrocodeine 5-500 ng/mL, Etizolam 5-500 ng/mL, Fentanyl 1-100 ng/mL, Lamotrigine 5-250 ng/mL, Levetiracetam 25-1000 ng/mL, Lorazepam 5-100 ng/mL, Meprobamate 5-250 ng/mL, Mirtazapine 5-250 ng/mL

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2021-0319-2	P2021-0236-1	IS + Cal. 1	IS + QC_1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2021-0371-2	P2021-0285-1	IS + Cal. 2	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	M2021-0395-2	P2021-0312-1	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	M2021-0464-1	P2021-0380-1	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	M2021-0532-2	P2021-0395-1	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Negative Blood	P2021-0129-1	P2021-0445-1	IS + Cal. 6	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	Negative Urine	P2021-0217-1	P2021-0448-3	IS + Cal. 7	P2021-0579-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2020-5295-2	P2021-0218-1	P2021-0542-1	IS + Cal. 8	P2021-0577-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

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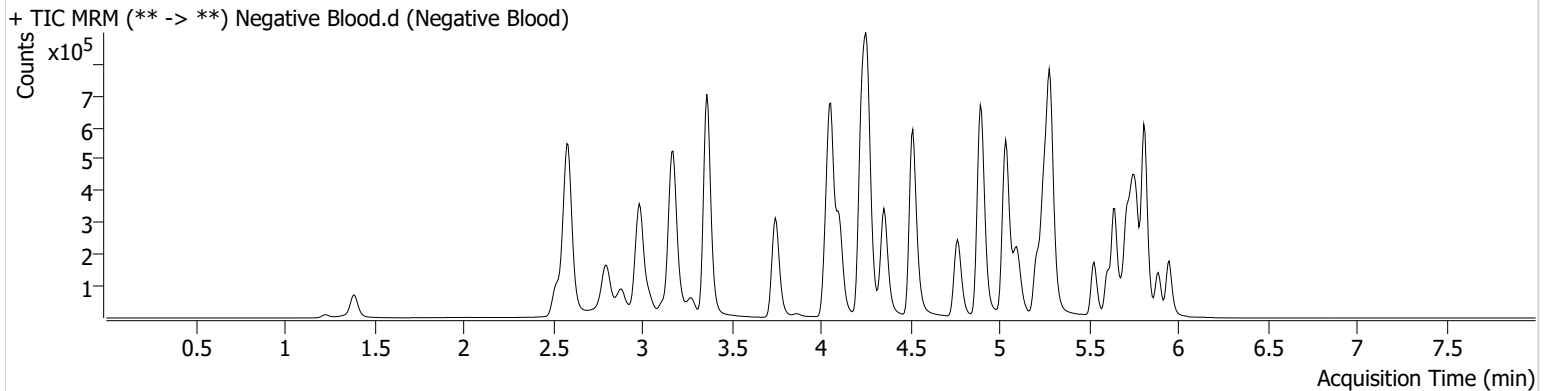


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 PM

<b>Instrument Type</b>	Instrument 1 Sample	<b>Data File</b>	Negative Blood.d
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Sample</b>	Negative Blood
<b>Sample Position</b>	P6-F2	<b>Operator</b>	Tamara Salazar
<b>Injection Volume</b>	2	<b>Comment</b>	
<b>Acq. Date-Time</b>	3/19/2021 11:37:56 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



# AM #28 Multi-Drug Quant. Results

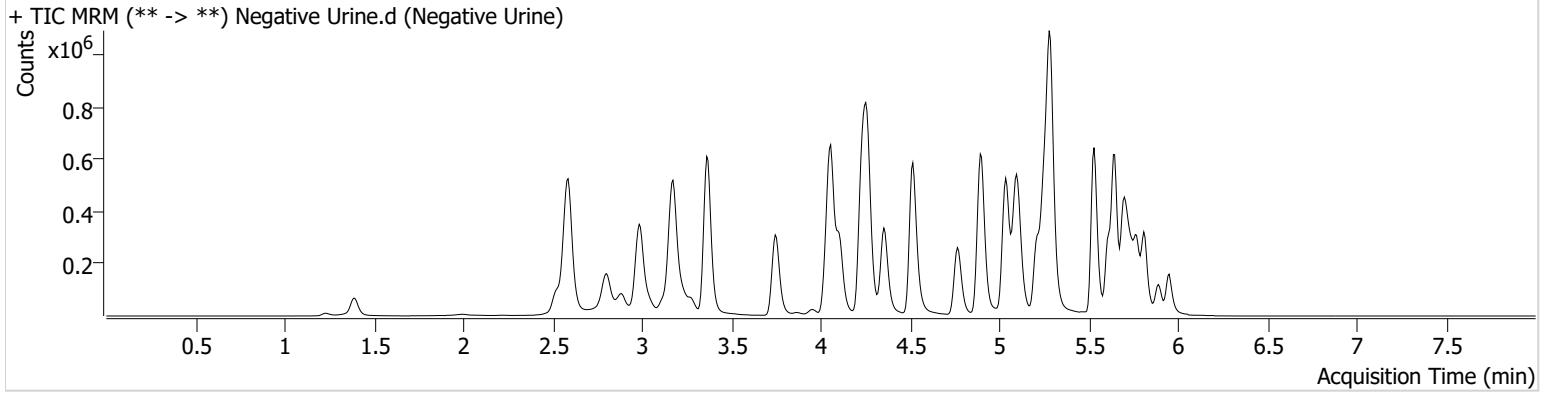
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 PM

<b>Instrument Type</b>	Instrument 1 Sample	<b>Data File</b>	Negative Urine.d
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Sample</b>	Negative Urine
<b>Sample Position</b>	P6-G2	<b>Operator</b>	Tamara Salazar
<b>Injection Volume</b>	2	<b>Comment</b>	
<b>Acq. Date-Time</b>	3/19/2021 11:59:10 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



# AM #28 Multi-Drug Quant. Results

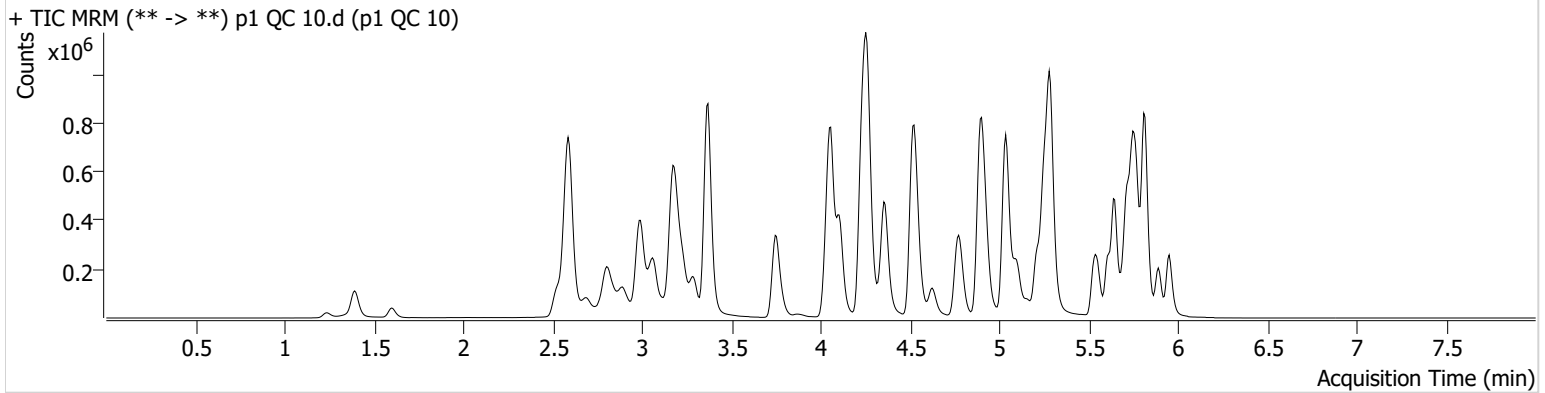
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 10.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 10
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-A2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	3/19/2021 10:02:27 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	4265	562.79	68.1	3358.84	111215	0.9925 ng/ml
7-aminoclonazepam	4.271	70627	5368.04	77.8	524.39	274778	9.4426 ng/ml
a-hydroxyalprazolam	5.699	45654	608.02	58.2	273.51	508752	10.7217 ng/ml
alpha-PHP	4.930	60539	634.00	265.7	1810.42	1016384	10.4133 ng/ml
alpha-PVP	4.370	225397	303.67	52.9	645.28	1016384	9.7701 ng/ml
Alprazolam	5.775	138270	278.20	112.1	513.11	508752	9.7419 ng/ml
Amphetamine	3.069	424029	2304.46	47.9	1172.52	440511	10.5292 ng/ml
Benzoylcegonine	3.899	5439	173.60	7.3	671.65	21294	9.5848 ng/ml
Buprenorphine	5.819	3290	88.09	16.4	4680.25	128807	0.9879 ng/ml
Bupropion	4.788	219831	492.62	62.2	272.21	787920	9.8658 ng/ml
Carisoprodol	5.724	142933	750.66	59.7	112.18	752769	9.5838 ng/ml
Citalopram	5.212	116020	593.42	41.8	532.83	555595	9.6447 ng/ml
Clonazepam	5.612	163500	1240.90	32.5	2127.03	199238	10.1012 ng/ml
Clonazepam	5.555	108518	46239.67	38.0	1202.69	199238	9.9451 ng/ml
Cocaine	4.257	175398	3484.01	52.4	9711.72	1710391	9.7122 ng/ml
Codeine	2.580	21135	478.09	100.0	716.60	100487	10.5560 ng/ml
Cyclobenzaprine	5.615	21608	596.69	9.7	172.39	96491	9.3937 ng/ml
Dextromethorphan	5.262	56052	28793.43	80.6	316.54	262737	10.2227 ng/ml
Dextrophan	4.111	65195	1051.19	203.6	596.65	772535	10.0466 ng/ml
Diazepam	5.960	90062	3974.97	88.8	463.64	424029	9.8861 ng/ml
Dihydrocodeine	2.559	49839	1617.30	69.0	393.44	305916	10.0363 ng/ml
Diphenhydramine	5.289	297930	222.60	34.4	4543.62	1855633	9.5074 ng/ml
Doxylamine	4.536	438450	2031.83	95.3	2638.47	1926393	10.0571 ng/ml
EDDP	5.254	183372	6197.36	42.1	8848.10	959693	9.6464 ng/ml
Etizolam	5.813	86447	3265.96	26.6	40690.91	199238	9.8579 ng/ml
Fentanyl	5.103	4884	224.98	58.9	4238.58	240998	0.9446 ng/ml
Flualprazolam	5.705	63752	328.53	105.6	1766.37	508752	9.6384 ng/ml
Fluoxetine	5.700	12960	467.64	8.7	82.66	55569	9.7202 ng/ml
Hydrocodone	3.018	78653	189.87	39.9	382.95	932960	10.3552 ng/ml
Hydromorphone	1.601	72295	1465.48	79.3	987.97	9289	9.9746 ng/ml
Ketamine	4.051	162769	2839.68	36.2	567.96	780226	9.8174 ng/ml
Lamotrigine	4.273	14651	434.74	77.4	269.44	780226	10.4592 ng/ml
* Levetiracetam	<del>2.690</del>	<del>69032</del>	<del>884.31</del>	<del>165.3</del>	<del>855.03</del>	<del>2060792</del>	<del>12.9333 ng/ml</del>

\* Outside of Curve Range

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# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	151495	1922.75	58.2	236.26	199238	10.1955 ng/ml
MDA	3.203	282706	653.06	25.3	488.29	722776	10.2313 ng/ml
MDMA	3.290	166927	3302.72	80.4	1720.80	158210	9.8394 ng/ml
Meprobamate	4.924	88302	133.70	28.1	831.03	396862	10.3562 ng/ml
Methadone	5.646	165790	874.84	51.7	374.87	818188	9.4023 ng/ml
Methamphetamine	3.231	352545	1600.12	36.9	445.27	1204168	10.9018 ng/ml
Metoprolol	4.326	41414	764.93	94.3	574.19	1884197	10.3867 ng/ml
Mirtazapine	4.624	195968	947.37	53.0	858.34	1016384	10.1373 ng/ml
Mitragynine	5.230	24758	58682.27	39.6	1371.07	818188	9.7805 ng/ml
Morphine	1.240	9989	554.31	36.9	1221.33	9289	9.6955 ng/ml
Norbuprenorphine	4.986	517	466.67	102.9	348.12	20071	0.9989 ng/ml
Nordiazepam	5.900	89039	626.83	55.3	234.85	310375	9.5682 ng/ml
Norfentanyl	4.079	36852	4409.02	34.0	277.71	1649541	0.9653 ng/ml
Norhydrocodone	3.066	12924	56.37	39.7	39.61	123141	9.4129 ng/ml
Noroxycodone	2.909	88228	927.94	44.2	366.05	313743	9.6993 ng/ml
O-desmethyl-tramadol	3.369	348606	9998.23	6.8	1478.67	2197089	9.4861 ng/ml
Oxazepam	5.749	175278	885.87	73.6	135.07	719103	9.8724 ng/ml
Oxycodone	2.834	157941	848.53	28.1	348.85	715826	9.8733 ng/ml
Oxymorphone	1.398	79110	205.81	43.5	649.46	279547	10.3272 ng/ml
Phentermine	3.783	89022	750.02	4.6	12.78	1032752	10.3625 ng/ml
Promethazine	5.532	59967	347.69	26.9	102.07	252808	10.2247 ng/ml
Pseudoephedrine	2.596	414437	4483.96	17.0	3517.91	2060792	9.5292 ng/ml
Quetiapine	5.548	121992	21554.10	57.6	133.52	173814	9.8108 ng/ml
Sertraline	5.769	2701	17.93	103.2	14.35	13492	9.7053 ng/ml
Temazepam	5.816	300756	1680.27	28.7	129.89	1467639	9.8664 ng/ml
Tramadol	4.246	382699	1314.33	3.8	50.51	1884197	10.1918 ng/ml
Trazodone	5.156	87591	679.06	80.8	674.59	368637	9.9018 ng/ml
Venlafaxine	5.037	338838	12394.69	37.3	2615.35	1718481	10.0183 ng/ml
Zolpidem	4.914	346785	4216.54	31.3	3487.47	1800223	9.6703 ng/ml

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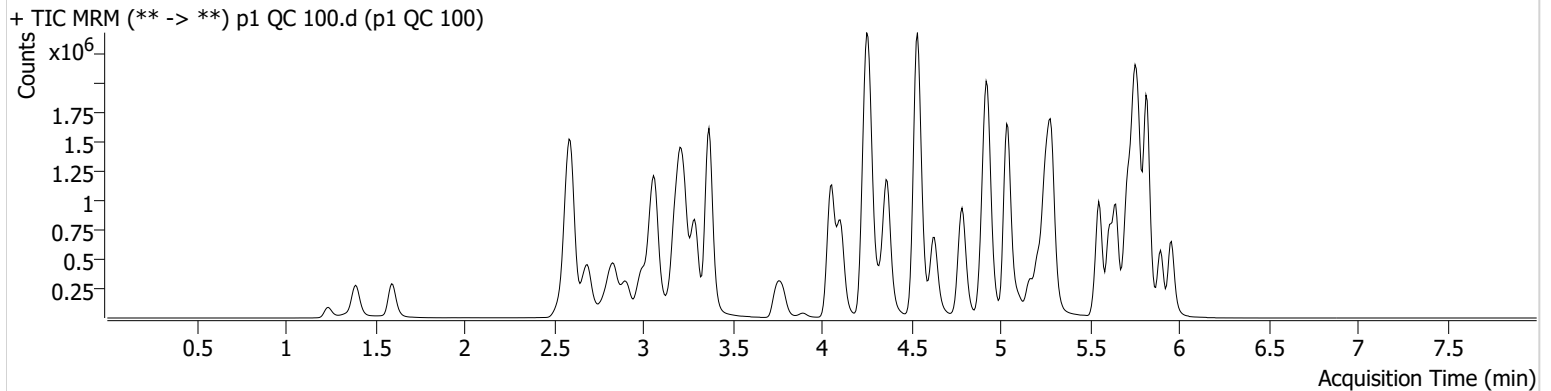


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 100.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 100
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	3/19/2021 7:03:37 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	34396	2038.39	66.6	740.37	83345	10.4194 ng/ml
7-aminoclonazepam	4.278	522995	20015.31	76.5	6672.05	186915	96.9686 ng/ml
a-hydroxyalprazolam	5.699	303655	2396.89	56.1	1688.59	342457	114.7879 ng/ml
alpha-PHP	4.937	438009	1112.88	267.9	49101.30	760957	106.0864 ng/ml
alpha-PVP	4.370	1779663	1548.52	51.9	10138.98	760957	101.5002 ng/ml
Alprazolam	5.775	1056963	6707.16	111.0	6425.87	342457	109.5891 ng/ml
Amphetamine	3.063	2895960	805.44	46.3	1198.10	293003	119.5760 ng/ml
Benzoylcegonine	3.892	43197	1771.62	8.3	6597.44	16710	98.0847 ng/ml
Buprenorphine	5.833	20271	560.77	14.4	4634.47	75493	10.5700 ng/ml
Bupropion	4.788	1590516	702.93	60.7	1265.65	544049	103.1877 ng/ml
Carisoprodol	5.730	944358	1821451.14	61.1	10653.44	480881	95.7572 ng/ml
Citalopram	5.212	752441	5835.42	38.7	4093.38	338810	101.5412 ng/ml
Clonazepam	5.612	1200702	1695.63	31.9	408293.93	139747	107.6231 ng/ml
Clonazepam	5.555	781809	3743.86	37.2	18425.59	139747	100.9602 ng/ml
Cocaine	4.264	1410092	54667.16	51.6	50480.82	1261909	104.4938 ng/ml
Codeine	2.580	158712	504.93	99.7	690.33	74801	112.3405 ng/ml
Cyclobenzaprine	5.615	104451	302259.58	9.1	216.59	44828	95.4461 ng/ml
Dextromethorphan	5.262	310579	254.13	81.3	528.84	145940	100.5904 ng/ml
Dextrophan	4.111	486152	717.90	201.5	205422.38	553952	103.5327 ng/ml
Diazepam	5.960	691233	546.76	87.8	14007.57	310505	103.0095 ng/ml
Dihydrocodeine	2.552	393348	19157.30	69.3	1112.64	231963	109.2213 ng/ml
Diphenhydramine	5.289	1882156	1514.41	32.9	699.13	1120522	97.0988 ng/ml
Doxylamine	4.536	3418965	59077.35	96.9	118985.92	1452640	103.9983 ng/ml
EDDP	5.254	1351415	20211.14	41.8	744.20	680732	98.6374 ng/ml
Etizolam	5.813	667185	7774.44	26.2	264022.21	139747	102.2179 ng/ml
Fentanyl	5.103	25550	48.93	62.2	33058.89	127097	9.6110 ng/ml
Flualprazolam	5.705	462263	21144.11	99.1	824.47	342457	103.5217 ng/ml
Fluoxetine	5.700	54033	976.42	8.4	54.78	23218	99.3499 ng/ml
Hydrocodone	3.012	582730	1041.81	41.4	182.98	731949	102.2268 ng/ml
Hydromorphone	1.595	568365	563741.56	79.4	1734703.53	6471	115.3008 ng/ml
Ketamine	4.051	1313565	32318.65	35.7	4884.64	598988	105.7162 ng/ml
Lamotrigine	4.280	104534	2085.68	81.2	4329.77	598988	104.8234 ng/ml
Levetiracetam	2.690	550743	2909.17	168.2	5507.37	1509329	94.8594 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	5.747	928257	7539.40	58.8	867.04	139747	98.8424 ng/ml
MDA	3.196	1898366	3512.16	24.1	2408.54	459497	116.5120 ng/ml
MDMA	3.290	1332756	3170.75	75.5	1911.59	114574	106.9443 ng/ml
Meprobamate	4.924	567264	15582.50	29.1	6737.25	276938	99.4904 ng/ml
Methadone	5.646	984299	1225.96	52.9	1930.23	462024	97.7595 ng/ml
Methamphetamine	3.231	2355754	1727.22	36.6	4256.31	916541	107.5258 ng/ml
Metoprolol	4.326	326399	31275.47	92.9	2911.04	1524229	105.1570 ng/ml
Mirtazapine	4.631	1263816	4796.99	55.3	31028.34	760957	91.1017 ng/ml
Mitragynine	5.237	133286	230595.34	39.0	48814.94	462024	101.7790 ng/ml
Morphine	1.240	79317	2704.66	40.9	213.74	6471	110.9137 ng/ml
Norbuprenorphine	4.986	2547	5895.12	97.1	7998.23	12245	9.3228 ng/ml
Nordiazepam	5.900	718515	1591.58	54.3	733.58	232358	103.7614 ng/ml
Norfentanyl	4.079	295245	2040.72	34.2	568.74	1238263	9.6132 ng/ml
Norhydrocodone	3.059	79823	658.34	42.2	65.67	65008	106.2638 ng/ml
Noroxycodone	2.903	673962	2939.20	43.2	1806.84	219213	103.6209 ng/ml
O-desmethyl-tramadol	3.369	2953706	7895.18	6.6	∞	1716176	101.5701 ng/ml
Oxazepam	5.756	1154188	497.20	73.0	3504.61	463997	102.3105 ng/ml
Oxycodone	2.834	1275262	3696.20	27.4	1402.50	552210	104.4975 ng/ml
Oxymorphone	1.391	599057	∞	42.9	∞	205286	108.1846 ng/ml
Phentermine	3.783	647396	17074.04	4.4	180.40	760549	108.8699 ng/ml
Promethazine	5.532	296928	5530.81	28.0	1566.61	124878	100.6821 ng/ml
Pseudoephedrine	2.596	3314562	26561.77	16.7	83299.06	1509329	99.5980 ng/ml
Quetiapine	5.548	786884	232707.83	58.5	499.04	106742	104.2632 ng/ml
Sertraline	5.769	12027	91.60	91.1	8460.11	6233	91.6647 ng/ml
Temazepam	5.823	2134490	27783.11	29.0	540.05	997558	97.9492 ng/ml
Tramadol	4.246	3104142	1328.04	3.6	390.83	1524229	102.9877 ng/ml
Trazodone	5.163	524909	658439.13	83.6	269.70	210687	102.7647 ng/ml
Venlafaxine	5.037	2731631	108684.47	35.7	384.43	1297829	103.6871 ng/ml
Zolpidem	4.921	2621766	11390.64	30.9	7079.76	1330056	103.6648 ng/ml

TS



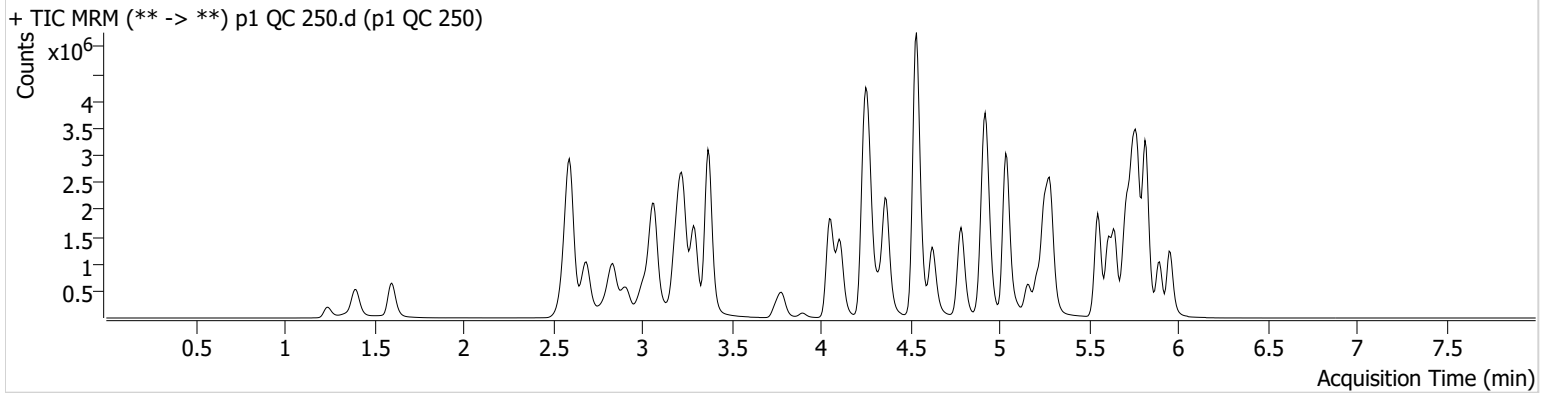
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 PM

**Instrument** Instrument 1  
**Type** QC  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-C2  
**Injection Volume** 2  
**Acq. Date-Time** 3/19/2021 10:23:40 AM  
**Sample Info.**

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

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	82985	1219.31	70.1	1941.00	86183	24.2749 ng/ml
7-aminoclonazepam	4.278	1073526	∞	76.8	8743.55	152656	242.8202 ng/ml
a-hydroxyalprazolam	5.692	524136	430.09	59.1	2811.01	316832	215.0221 ng/ml
alpha-PPH	4.937	807306	5828.74	267.1	71307.70	646116	231.0217 ng/ml
alpha-PVP	4.370	3666273	67533.44	52.3	40935.53	646116	246.0359 ng/ml
Alprazolam	5.775	2295803	9014.79	108.8	3167.58	316832	257.1525 ng/ml
Amphetamine	3.069	4864932	2128.41	47.4	1762.86	238226	248.3841 ng/ml
Benzoylcegonine	3.899	103264	250.99	8.0	33085.94	16224	241.6688 ng/ml
Buprenorphine	5.826	27257	559.67	14.5	7487.21	44339	24.2246 ng/ml
Bupropion	4.788	2910590	82775.79	61.6	2010.50	419442	244.8992 ng/ml
Carisoprodol	5.724	1889369	2193535.60	58.0	11188.53	381230	241.1099 ng/ml
Citalopram	5.212	1255301	13958.21	40.5	690.00	234881	244.2069 ng/ml
Clonazepam	5.612	2462214	22234.50	31.7	73572.23	122755	251.5081 ng/ml
Clonazepam	5.555	1733990	361833.28	37.6	602458.42	122755	254.7213 ng/ml
Cocaine	4.264	2888875	100741.59	52.7	4535096.19	1091114	247.4033 ng/ml
Codeine	2.580	318093	14941.68	96.8	502.31	70846	238.4434 ng/ml
Cyclobenzaprine	5.615	202872	141.89	8.8	129.93	34547	240.1817 ng/ml
Dextromethorphan	5.262	525492	11606.82	80.5	592.83	100373	247.2377 ng/ml
Dextrophan	4.111	992761	920.97	205.0	827.26	472396	247.7826 ng/ml
Diazepam	5.960	1452294	14825.39	88.0	6355.96	273930	245.2331 ng/ml
Dihydrocodeine	2.552	895544	20064.65	68.2	2654.48	238878	242.0802 ng/ml
Diphenhydramine	5.289	3314825	26380.52	33.0	19573.63	801775	238.6281 ng/ml
Doxylamine	4.536	7641744	98906.82	96.9	165628.47	1329312	254.0122 ng/ml
EDDP	5.254	2718920	25422.86	41.8	507.78	564669	238.9982 ng/ml
Etizolam	5.813	1422752	20993.07	25.5	18890.09	122755	247.2566 ng/ml
Fentanyl	5.103	44434	773.76	65.9	28110.03	88073	24.1612 ng/ml
Flualprazolam	5.705	1031059	10712.79	99.0	50613.00	316832	249.5330 ng/ml
Fluoxetine	5.700	99358	3355.36	8.4	295.70	17774	239.0197 ng/ml
Hydrocodone	3.018	1347386	1758.21	40.2	261.74	699566	248.0560 ng/ml
Hydromorphone	1.601	1253770	1081.39	78.7	6153521.05	6612	249.1953 ng/ml
Ketamine	4.051	2897493	52636.08	35.7	13610.45	558968	250.2480 ng/ml
Lamotrigine	4.280	200115	2178.96	81.2	813.68	558968	216.0011 ng/ml
Levetiracetam	2.690	1222176	5388.89	166.5	4872.08	1350373	228.3989 ng/ml

# AM #28 Multi-Drug Quant. Results

TS



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	<del>5.747</del>	<del>1331331</del>	<del>49726.52</del>	<del>58.2</del>	<del>1210.61</del>	<del>122755</del>	<del>162.1848 ng/ml</del>
MDA	3.203	3204111	4864.68	24.7	2311.56	365603	248.1465 ng/ml
MDMA	3.290	2626333	110496.88	79.9	3383.51	96669	249.5758 ng/ml
Meprobamate	4.924	1111151	33029.01	28.9	9764.28	245193	220.7251 ng/ml
Methadone	5.646	1767554	27757.81	50.1	1290.73	330489	245.2475 ng/ml
Methamphetamine	3.231	4745871	3610.41	37.0	92448.01	793111	252.3499 ng/ml
Metoprolol	4.326	670450	21043.24	93.5	7452.29	1320240	249.9968 ng/ml
Mirtazapine	4.624	2289211	6637.45	51.9	12482.08	646116	194.9096 ng/ml
Mitragynine	5.230	214735	2328.69	39.2	929.58	330489	230.4891 ng/ml
Morphine	1.240	183301	963.25	37.4	1437.48	6612	250.8685 ng/ml
Norbuprenorphine	4.992	4306	2694.10	97.9	1731.16	8677	22.4909 ng/ml
Nordiazepam	5.900	1448489	15311.82	54.0	773.76	198158	245.3659 ng/ml
Norfentanyl	4.079	622998	18342.71	33.9	1210.37	1049787	23.8209 ng/ml
Norhydrocodone	3.066	173205	204.71	41.7	265.92	59523	251.3327 ng/ml
Noroxycodone	2.909	1341664	3890.94	42.6	26665.92	186579	242.0332 ng/ml
O-desmethyl-tramadol	3.369	6899692	10163.90	6.6	2522.39	1638383	248.3325 ng/ml
Oxazepam	5.749	1961030	4992.75	73.4	5377.06	321248	251.3211 ng/ml
Oxycodone	2.834	2978035	3147.61	27.8	837.44	541573	248.9877 ng/ml
Oxymorphone	1.398	1330146	∞	43.7	∞	188479	261.8911 ng/ml
Phentermine	3.783	1262992	∞	4.5	128.12	649146	249.7891 ng/ml
Promethazine	5.532	523011	624.43	28.9	897.51	91754	241.0836 ng/ml
Pseudoephedrine	2.596	7302175	58953.86	16.3	50872.14	1350373	244.5913 ng/ml
Quetiapine	5.548	1438861	77869.50	57.9	38843.09	80786	252.0895 ng/ml
Sertraline	5.769	31924	72.56	95.5	612.49	6991	216.6529 ng/ml
Temazepam	5.823	4179917	45503.64	28.4	8945.71	787947	242.0430 ng/ml
Tramadol	4.246	6730588	1706.99	3.5	1773.22	1320240	257.9393 ng/ml
Trazodone	5.156	992535	1150.27	81.7	34400.83	169794	240.9631 ng/ml
Venlafaxine	5.037	5658296	150411.56	36.3	947.99	1126941	246.8797 ng/ml
Zolpidem	4.914	5651906	162411.91	30.5	3599.74	1198531	248.7113 ng/ml

\* Outside of Curve Range

TS

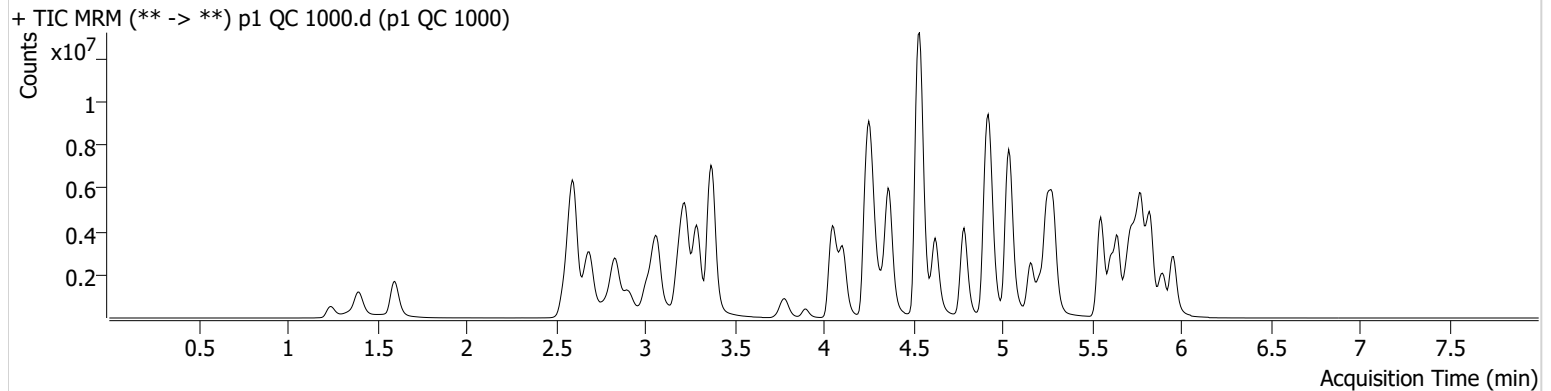


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 1000.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 1000
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-D2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	3/19/2021 10:44:53 AM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	300520	2836.59	67.8	2245.07	75599	100.1322 ng/ml
7-aminoclonazepam	4.285	1957785	14807.46	77.9	5667.87	69313	973.5148 ng/ml
* a-hydroxyalprazolam	<del>5.685</del>	<del>832601</del>	<del>6557.51</del>	<del>59.4</del>	<del>118.96</del>	<del>198169</del>	<del>547.6294 ng/ml</del>
* alpha-PHP	<del>4.937</del>	<del>1873625</del>	<del>8802.90</del>	<del>274.1</del>	<del>62255.10</del>	<del>465475</del>	<del>745.6352 ng/ml</del>
alpha-PVP	4.370	11070125	290256.57	52.4	45521.97	465475	1030.6805 ng/ml
Alprazolam	5.775	5767740	∞	107.6	2143.62	198169	1032.5878 ng/ml
Amphetamine	3.069	9017991	4406.39	47.3	57650.30	124410	884.7882 ng/ml
Benzoylecgonine	3.899	517570	1418.76	8.0	439.78	18076	1087.5419 ng/ml
Buprenorphine	5.826	43497	2182.55	14.4	9331.22	16824	101.9428 ng/ml
Bupropion	4.788	7607845	4905.38	61.2	47926.55	270347	993.0975 ng/ml
Carisoprodol	5.730	3520598	6970221.92	59.7	9395.54	162178	1054.8959 ng/ml
Citalopram	5.212	2891226	∞	39.8	18269.91	133046	992.6478 ng/ml
Clonazepam	5.612	5335154	39452.53	31.1	2487.16	72702	920.6835 ng/ml
Clonazepam	5.555	3833661	225322.28	38.4	1428623.78	72702	950.5232 ng/ml
Cocaine	4.264	8092048	1968.23	52.0	1429.94	745255	1014.1947 ng/ml
* Codeine	<del>2.573</del>	<del>700691</del>	<del>252.75</del>	<del>98.7</del>	<del>∞</del>	<del>45657</del>	<del>816.5633 ng/ml</del>
Cyclobenzaprine	5.615	643956	57633.94	9.0	186.06	27567	954.6962 ng/ml
Dextromethorphan	5.262	1131772	26447.40	79.1	543.02	53053	1006.9499 ng/ml
Dextrophan	4.111	2573159	2762.04	205.4	74221.15	291355	1040.9801 ng/ml
Diazepam	5.960	4159283	5933.70	87.0	879.19	198184	970.5741 ng/ml
* Dihydrocodeine	<del>2.545</del>	<del>2595809</del>	<del>8554.58</del>	<del>68.6</del>	<del>430.18</del>	<del>223272</del>	<del>751.7979 ng/ml</del>
Diphenhydramine	5.289	8023048	406618.39	32.9	∞	464166	996.8576 ng/ml
Doxylamine	4.535	22805445	597679.08	96.3	9529.25	1104693	912.1906 ng/ml
EDDP	5.254	8623817	67249.13	40.3	84924.71	420452	1017.5130 ng/ml
* Etizolam	<del>5.813</del>	<del>4094799</del>	<del>6197.34</del>	<del>24.9</del>	<del>2384.85</del>	<del>72702</del>	<del>1199.1369 ng/ml</del>
Fentanyl	5.103	133274	6824.84	65.8	220539.97	64188	99.5208 ng/ml
Flualprazolam	5.705	2496326	50466.52	96.1	39755.72	198169	965.8255 ng/ml
Fluoxetine	5.700	263550	19725.30	8.6	2779.14	12396	909.8017 ng/ml
Hydrocodone	3.012	3965147	831.37	41.4	771.79	578262	884.4675 ng/ml
Hydromorphone	1.601	3736759	4299318.33	78.8	4927313.37	5114	961.1680 ng/ml
Ketamine	4.051	8949309	523694.01	34.9	752.60	458365	943.3015 ng/ml
* Lamotrigine	<del>4.287</del>	<del>451601</del>	<del>12125.64</del>	<del>83.6</del>	<del>19764.79</del>	<del>458365</del>	<del>596.0460 ng/ml</del>
Levetiracetam	2.690	3821068	21918.64	168.1	61865.70	838678	1130.9841 ng/ml

\* Outside of Curve Range

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	<del>5.747</del>	<del>1371308</del>	<del>41803.64</del>	<del>59.0</del>	<del>3895.19</del>	<del>72702</del>	<del>282.9994 ng/ml</del>
MDA	3.196	6079192	14085.30	23.4	959.95	199422	865.3322 ng/ml
MDMA	3.290	7179002	7607.85	79.9	13544.76	64315	1024.9168 ng/ml
* Meprobamate	<del>4.938</del>	<del>1874922</del>	<del>28889.59</del>	<del>28.9</del>	<del>13290.84</del>	<del>150384</del>	<del>608.1360 ng/ml</del>
Methadone	5.646	4399517	102452.25	51.8	1359.70	207529	971.7669 ng/ml
Methamphetamine	3.231	10505659	62062.58	35.8	115848.86	521881	852.5224 ng/ml
Metoprolol	4.326	1726299	353163.75	93.5	26953.84	999618	851.2530 ng/ml
* Mirtazapine	<del>4.624</del>	<del>6472597</del>	<del>275100.16</del>	<del>51.5</del>	<del>327155.99</del>	<del>465475</del>	<del>766.4149 ng/ml</del>
Mitragynine	5.230	439078	12264.42	38.7	62038.05	207529	752.7859 ng/ml
Morphine	1.240	551428	∞	40.9	∞	5114	976.0191 ng/ml
Norbuprenorphine	4.986	8573	2159.03	97.8	56.69	4130	94.6249 ng/ml
Nordiazepam	5.900	3467941	∞	54.5	16421.39	120651	965.0206 ng/ml
Norfentanyl	4.079	1811242	71943.72	34.8	3951.62	665808	108.9390 ng/ml
Norhydrocodone	3.059	517150	1143.21	38.9	128.18	40272	1107.9190 ng/ml
Noroxycodone	2.903	2936345	5924.41	41.6	3833.71	99890	988.6632 ng/ml
O-desmethyl-tramadol	3.369	20894048	267252.24	7.0	131980.57	1267412	971.7364 ng/ml
Oxazepam	5.749	1983995	7777.19	72.9	9936.52	89817	909.8724 ng/ml
Oxycodone	2.827	9743987	∞	27.3	1022.15	461944	955.4550 ng/ml
Oxymorphone	1.398	3802620	288.23	43.3	1010.79	145195	972.3810 ng/ml
Phentermine	3.783	2944586	∞	4.4	2457.81	451279	839.4443 ng/ml
Promethazine	5.532	1583139	47021.24	28.1	1127.25	68642	974.8468 ng/ml
Pseudoephedrine	2.603	19318590	184882.28	16.3	48713.82	838678	1040.4264 ng/ml
Quetiapine	5.548	4468387	1896.47	58.4	157085.53	62134	1018.2644 ng/ml
Sertraline	5.769	117763	15123.23	97.4	16794.39	5278	1057.7212 ng/ml
Temazepam	5.830	7018649	63489.20	27.3	18715.20	299870	1066.0971 ng/ml
Tramadol	4.239	17959582	1822.46	3.6	771.61	999618	909.2557 ng/ml
Trazodone	5.156	4127785	91471.95	81.7	956.03	172036	988.7167 ng/ml
Venlafaxine	5.037	17296206	294026.65	36.4	1060.76	833782	1018.9441 ng/ml
Zolpidem	4.914	18778588	190249.82	30.4	76217.17	1111945	892.0132 ng/ml

\* Outside of Curve Range

TS

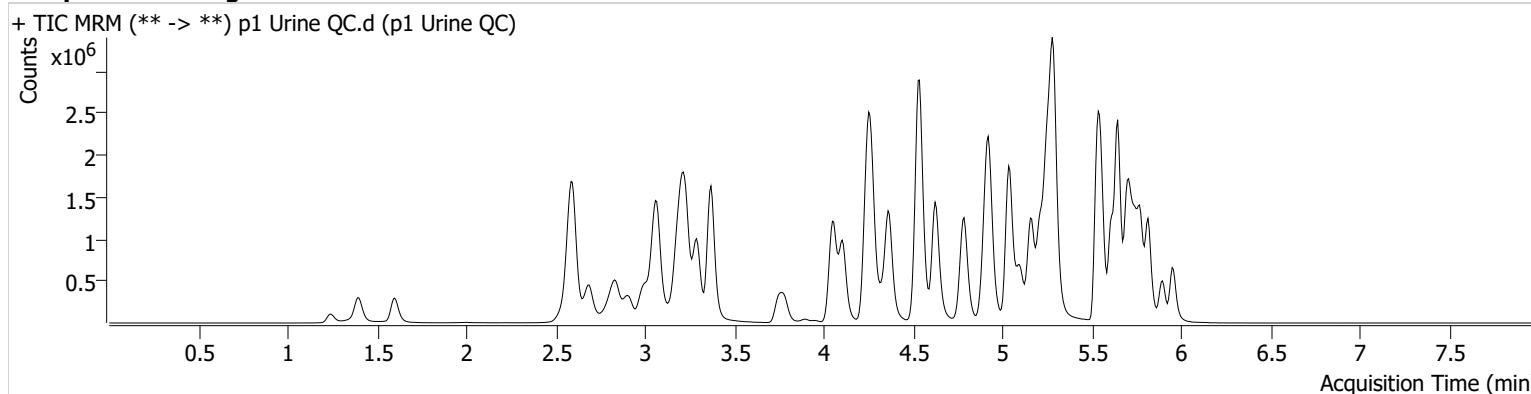


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Urine QC.d
<b>Type</b>	QC	<b>Sample</b>	p1 Urine QC
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-E2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	3/19/2021 11:16:43 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	35506	509.91	69.2	43347.24	85084	10.5355 ng/ml
7-aminoclonazepam	4.278	589800	6631.66	74.7	3186.55	197792	103.3021 ng/ml
a-hydroxyalprazolam	5.692	220891	512.91	58.3	495.99	246181	116.1691 ng/ml
alpha-PHP	4.937	497287	650.73	265.1	1542.19	806615	113.6707 ng/ml
alpha-PVP	4.370	1949913	2620.69	52.5	4972.95	806615	104.9097 ng/ml
Alprazolam	5.775	756946	2342.52	110.0	1505.45	246181	109.1756 ng/ml
Amphetamine	3.069	3356771	2032.52	47.5	711.01	371073	109.3378 ng/ml
Benzoylecgonine	3.899	43448	2876.36	7.5	185.62	16272	101.3096 ng/ml
Buprenorphine	5.826	35363	185.73	14.2	17039.79	126430	11.0115 ng/ml
Bupropion	4.788	2054276	45612.70	61.9	6727.79	687140	105.5212 ng/ml
Carisoprodol	5.724	730211	132252.91	58.3	2229.33	344722	103.2602 ng/ml
Citalopram	5.212	1583430	1512.29	39.8	14455.30	699859	103.4441 ng/ml
Clonazepam	5.612	820074	2630.29	32.2	11620.49	96926	105.9775 ng/ml
Clonazepam	5.555	467095	8536.99	38.3	82460.08	96926	86.9854 ng/ml
Cocaine	4.264	1391709	26546.13	52.7	53139.40	1245961	104.4516 ng/ml
Codeine	2.573	163230	266.49	97.7	∞	74239	116.4363 ng/ml
Cyclobenzaprine	5.615	1108944	627.71	9.2	258.44	439961	103.2308 ng/ml
Dextromethorphan	5.262	928193	16398.66	81.7	9235.69	418877	104.7332 ng/ml
Dextrophan	4.111	574133	958.70	205.0	912.49	642818	105.3648 ng/ml
Diazepam	5.960	663400	6426.50	88.7	3715.77	291842	105.1825 ng/ml
Dihydrocodeine	2.552	409998	9127.55	68.3	8733.51	234833	112.4683 ng/ml
Diphenhydramine	5.289	3969094	72606.40	33.5	1028.09	2255482	101.7137 ng/ml
Doxylamine	4.536	4008538	4473.72	95.7	21672.78	1636458	108.2358 ng/ml
EDDP	5.254	1724931	1078.74	42.1	10597.30	858264	99.8553 ng/ml
Etizolam	5.813	540598	7427.17	25.5	2364.00	96926	119.3095 ng/ml
Fentanyl	5.103	165949	210.47	67.7	355627.33	747369	10.6187 ng/ml
Flualprazolam	5.705	410368	24867.66	99.8	6028.30	246181	127.8329 ng/ml
Fluoxetine	5.700	1411189	10837.69	8.8	856.89	553837	108.8042 ng/ml
Hydrocodone	3.012	629087	∞	41.1	517.81	766760	105.3649 ng/ml
Hydromorphone	1.601	540504	14472.63	81.6	1083349.74	7743	91.5715 ng/ml
Ketamine	4.051	1368460	42078.68	35.8	3180.09	627191	105.1805 ng/ml
Lamotrigine	4.280	126092	4815.77	81.0	1270.21	627191	120.8944 ng/ml
Levetiracetam	2.690	507840	6815.46	167.9	2983.58	1570695	84.5826 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	450059	3717.52	57.0	365.71	96926	68.7147 ng/ml
MDA	3.196	2273248	1170.49	24.5	1674.26	550234	116.5126 ng/ml
MDMA	3.290	1490277	7443.62	79.1	3361.27	127095	107.8024 ng/ml
Meprobamate	4.924	521741	12873.68	28.8	625.79	241223	105.0829 ng/ml
Methadone	5.646	2704601	2777.29	50.4	35037.74	1179569	105.2058 ng/ml
Methamphetamine	3.231	2756550	1678.37	36.9	1671.78	999467	115.4914 ng/ml
Metoprolol	4.326	357996	7803.33	92.7	7383.39	1508282	116.6055 ng/ml
Mirtazapine	4.624	2676838	38425.72	52.9	7229.81	806615	182.5320 ng/ml
Mitragynine	5.230	546403	20915.32	39.6	1578.64	1179569	164.0345 ng/ml
Morphine	1.240	90797	377.92	38.7	736.04	7743	106.0951 ng/ml
Norbuprenorphine	4.992	6356	3516.18	96.9	2025.91	28349	10.0630 ng/ml
Nordiazepam	5.900	614232	6985.21	54.7	817.12	188436	109.3803 ng/ml
Norfentanyl	4.079	323437	34964.57	34.4	859.85	1311010	9.9443 ng/ml
Norhydrocodone	3.059	78711	69.91	43.3	104.79	69507	98.0303 ng/ml
Noroxycodone	2.909	680742	845.67	43.0	861.07	218385	105.0569 ng/ml
O-desmethyl-tramadol	3.369	2876477	72887.00	6.7	706.81	1635712	103.7772 ng/ml
Oxazepam	5.749	534249	3258.68	72.9	208.84	241677	90.9028 ng/ml
Oxycodone	2.834	1358916	1367.37	27.9	6457.20	570335	107.8174 ng/ml
Oxymorphone	1.398	616879	∞	43.3	1870.45	214923	106.4048 ng/ml
Phentermine	3.783	761042	420.28	4.5	978.63	855668	113.7874 ng/ml
Promethazine	5.532	2775185	135503.05	28.5	1049.01	1099249	106.8889 ng/ml
Pseudoephedrine	2.596	3569721	19337.80	16.4	5787.35	1570695	103.0587 ng/ml
Quetiapine	5.548	1631048	15827.39	59.9	82360.21	212289	108.6721 ng/ml
Sertraline	5.769	269372	663.89	97.3	44412.34	127385	100.4403 ng/ml
Temazepam	5.816	1154366	9464.58	29.8	312.93	536465	98.4994 ng/ml
Tramadol	4.246	3196647	1114.74	3.7	681.75	1508282	107.1817 ng/ml
Trazodone	5.156	2048079	2001.05	81.2	2148.34	801866	105.3492 ng/ml
Venlafaxine	5.037	2957210	53660.28	36.6	1877.20	1401284	103.9615 ng/ml
Zolpidem	4.921	2902734	12018.45	30.9	2354.62	1420366	107.4954 ng/ml

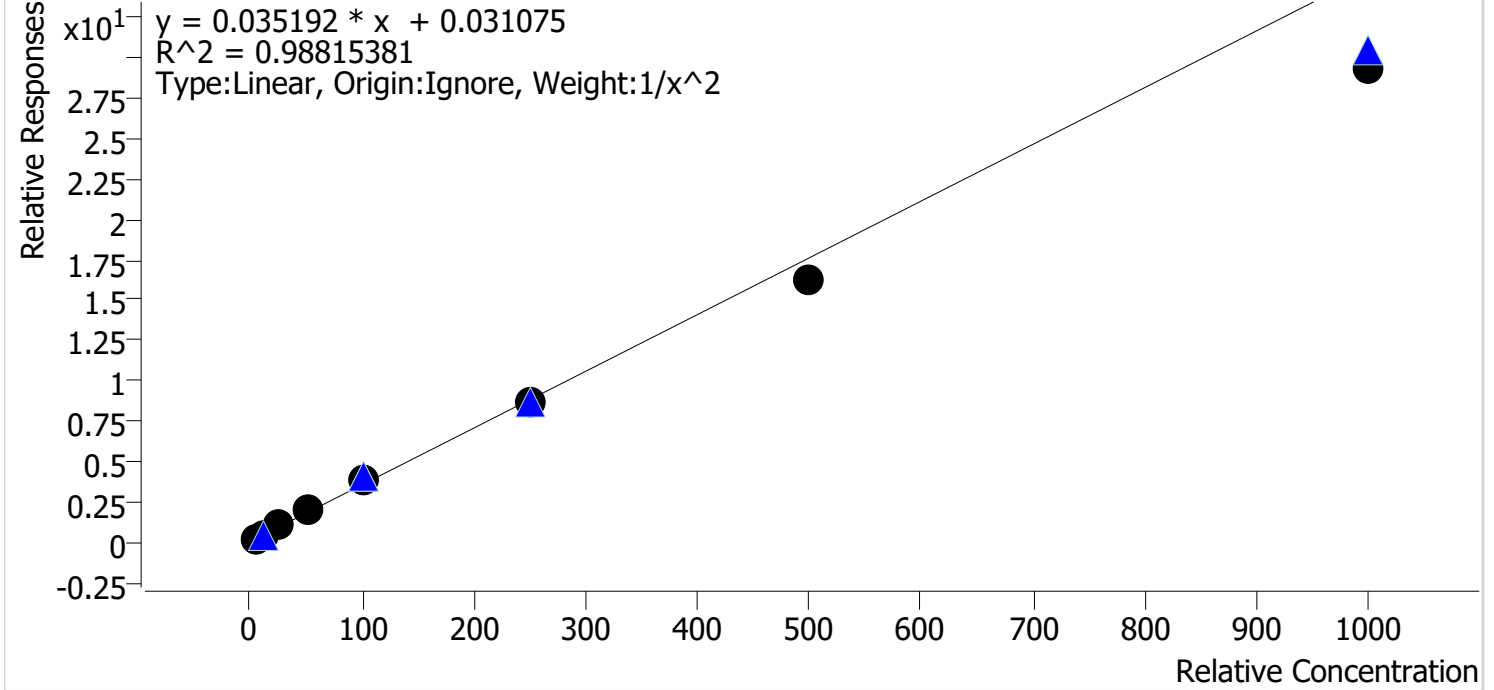
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.4
p1 Cal 4-50ng	4	✓	50.0	56.5	113.1
p1 Cal 5-100ng	5	✓	100.0	107.0	107.0
p1 Cal 6-250ng	6	✓	250.0	245.6	98.3
p1 Cal 7-500ng	7	✓	500.0	460.9	92.2
p1 Cal 8-1000ng	8	✓	1000.0	836.5	83.7

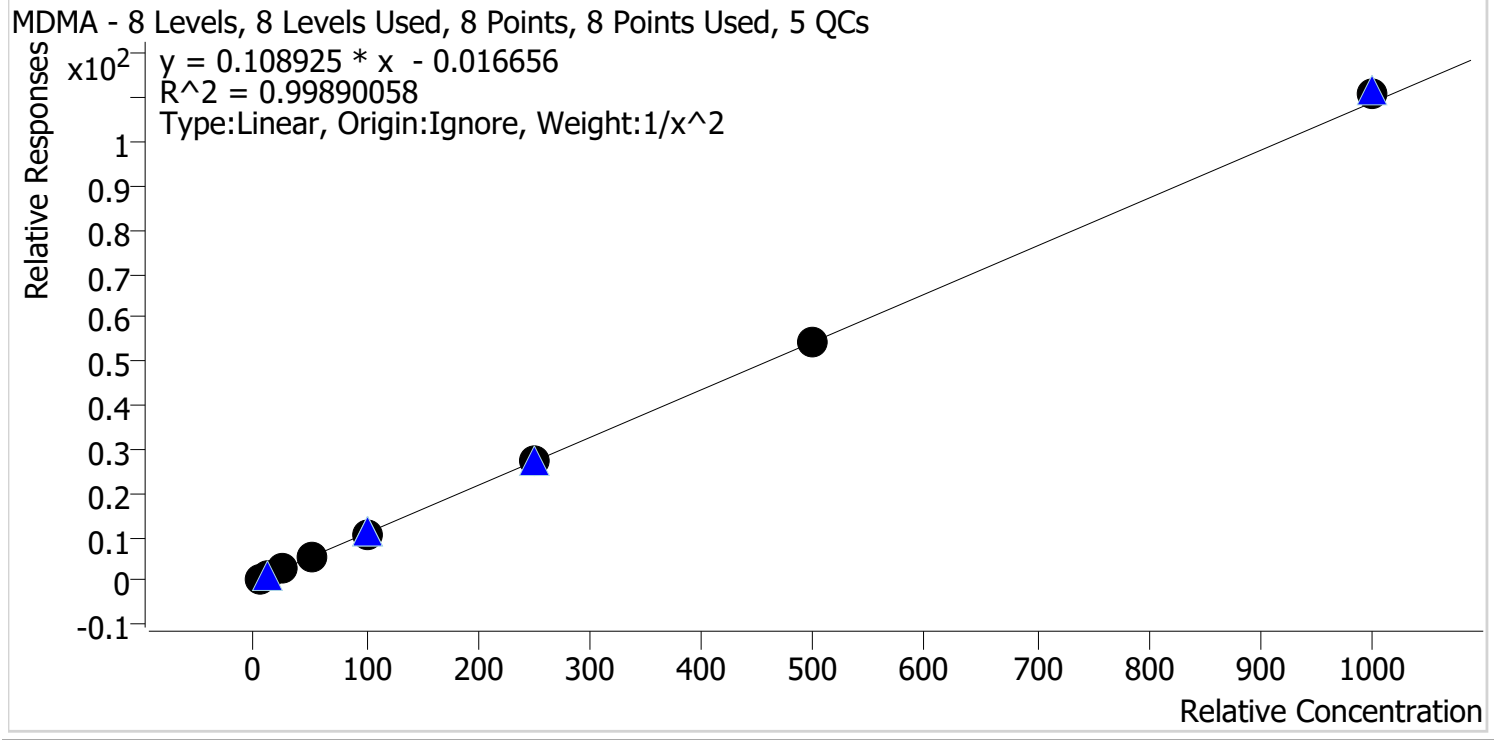


TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	501.1	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1017.1	101.7

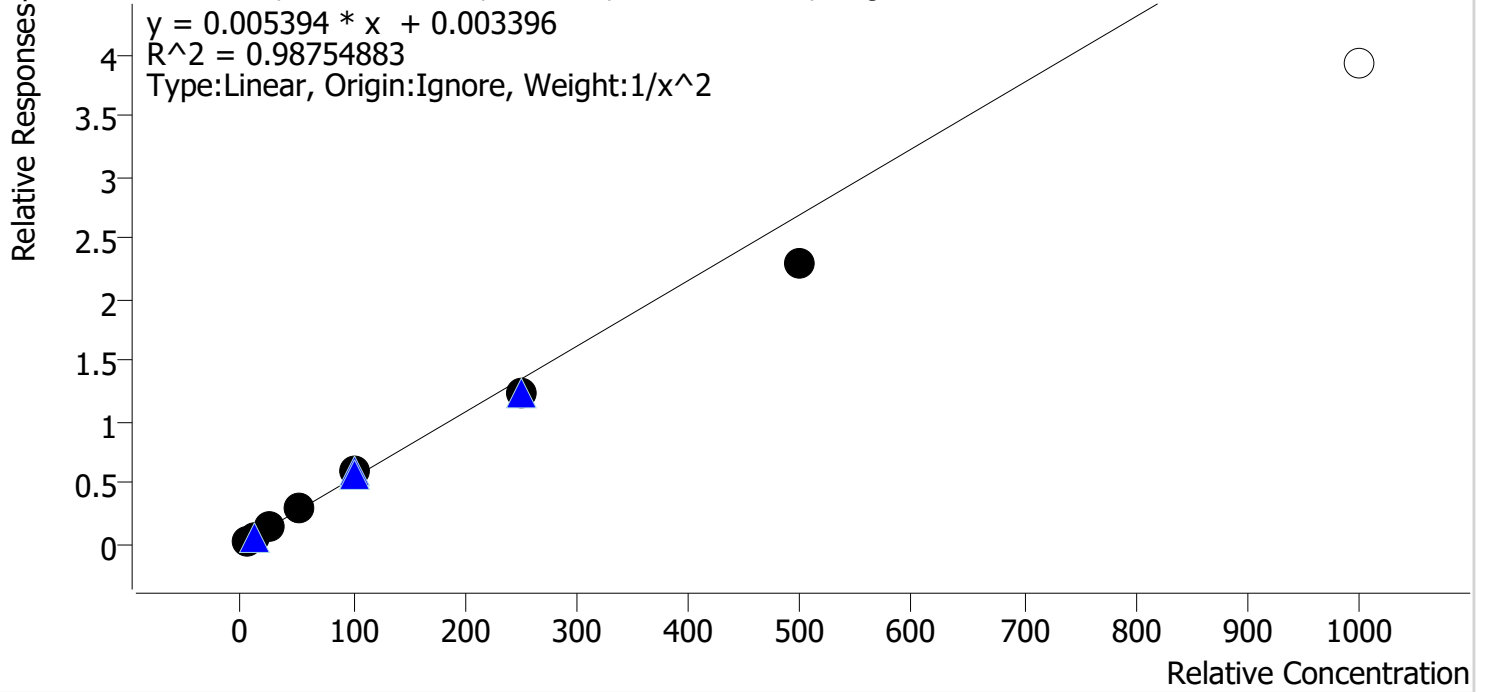


TS

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

Batch results D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
 Last Cal. Update 3/24/2021 3:12 PM  
 Analyst Name ISP\Datastor  
 Analyte alpha-PHP Internal Standard alpha-PVP-d8

alpha-PHP - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



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	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	55.8	111.6
p1 Cal 5-100ng	5	✓	100.0	108.9	108.9
p1 Cal 6-250ng	6	✓	250.0	230.1	92.1
p1 Cal 7-500ng	7	✓	500.0	424.8	85.0
p1 Cal 8-1000ng	8	✗	1000.0	732.0	73.2

Cal 8 dropped due to linearity

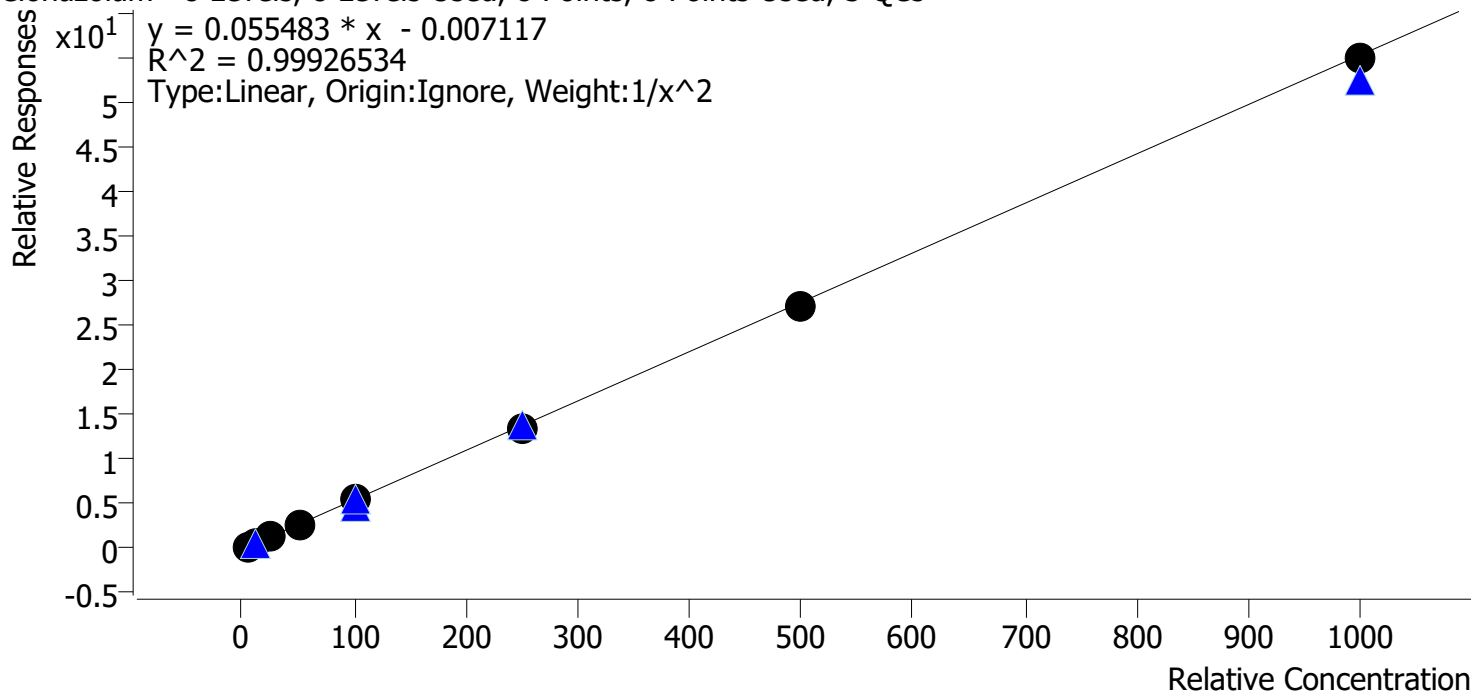
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	247.4	98.9
p1 Cal 7-500ng	7	✓	500.0	492.7	98.5
p1 Cal 8-1000ng	8	✓	1000.0	993.0	99.3

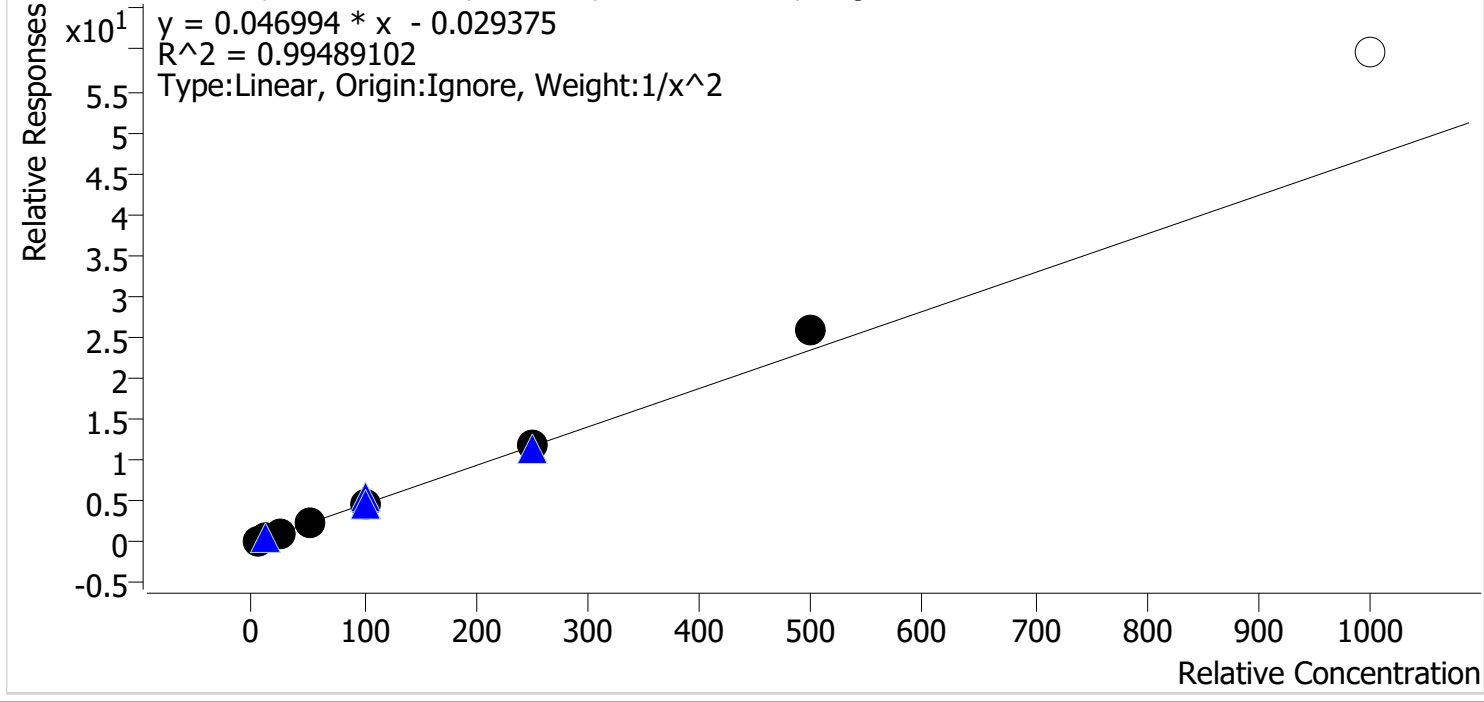
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4

Etizolam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.6
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	555.6	111.1
p1 Cal 8-1000ng	8	✗	1000.0	1270.5	127.0

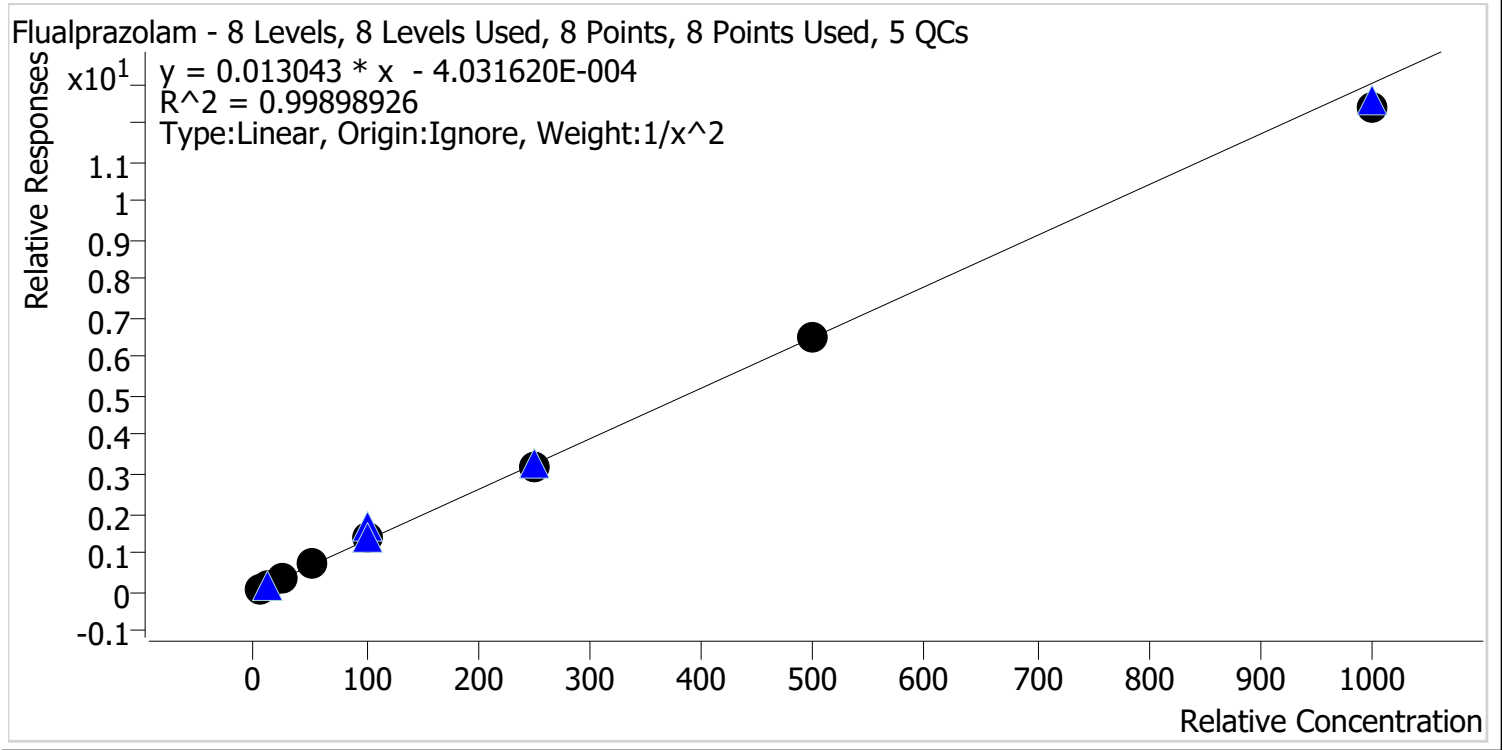
Cal 8 dropped due to linearity



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



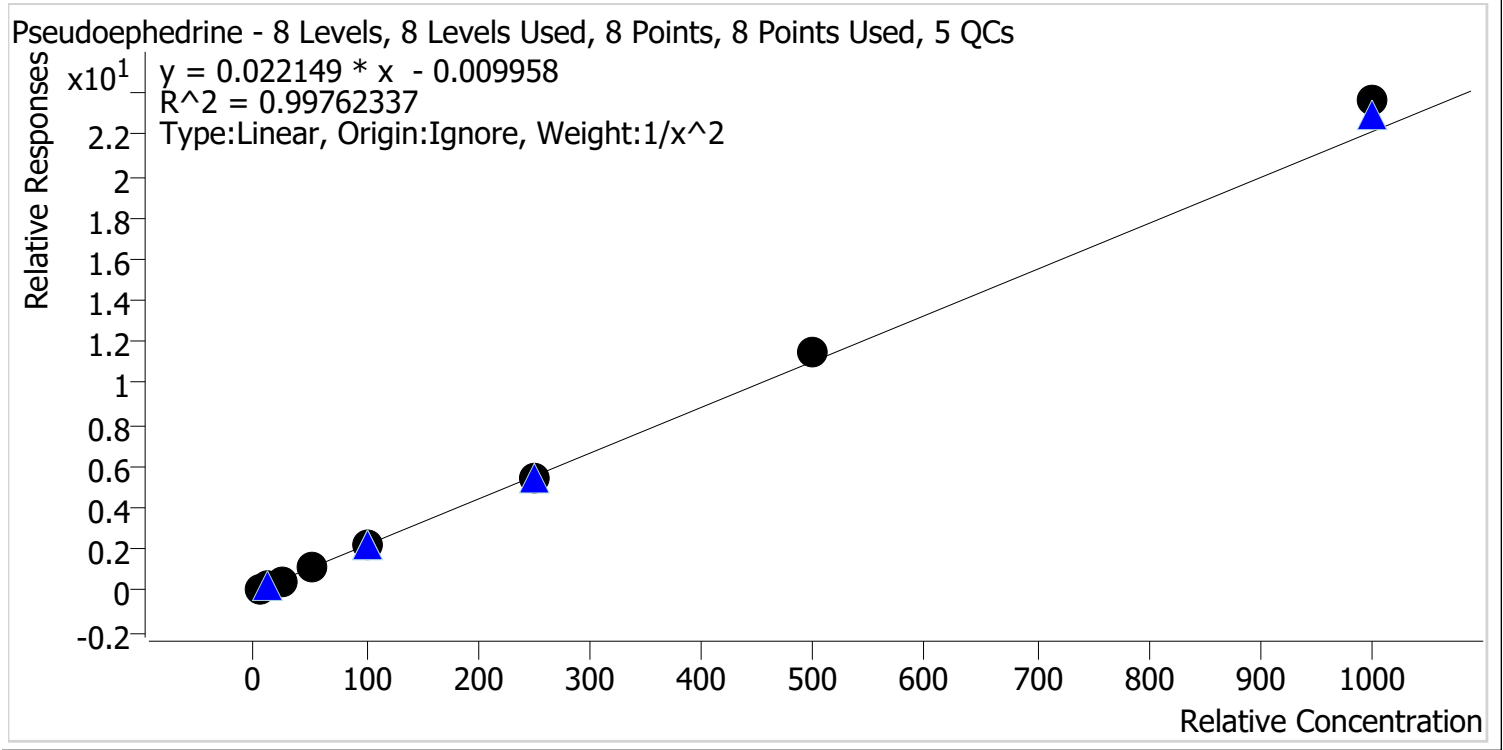
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	951.8	95.2



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datator  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	517.0	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1067.6	106.8

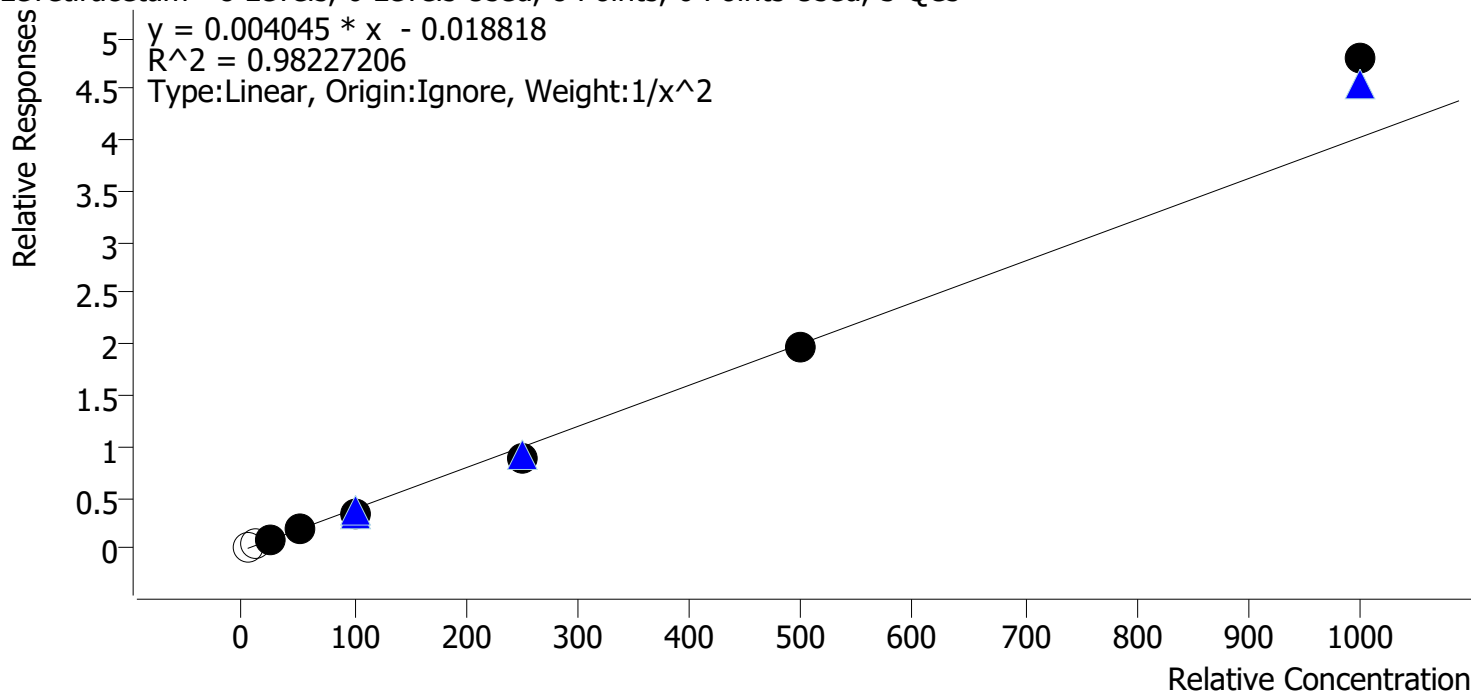
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	8.8	175.8
p1 Cal 2-10ng	2	x	10.0	12.5	125.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	90.6	90.6
p1 Cal 6-250ng	6	✓	250.0	223.4	89.4
p1 Cal 7-500ng	7	✓	500.0	491.0	98.2
p1 Cal 8-1000ng	8	✓	1000.0	1190.5	119.1

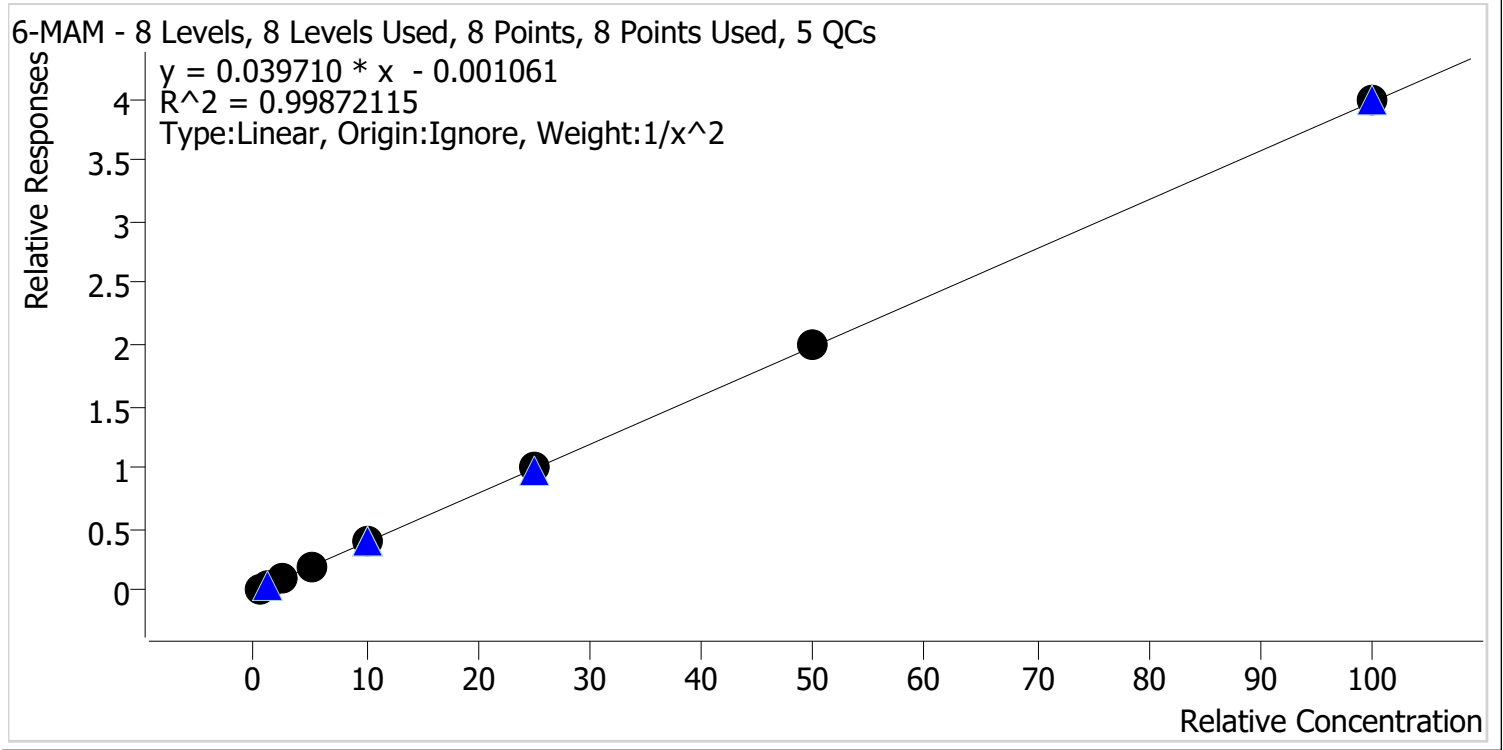
Cal 1 and 2 dropped due to high background

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.3
p1 Cal 2-10ng	2	✓	1.0	1.0	97.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.5
p1 Cal 4-50ng	4	✓	5.0	5.1	102.8
p1 Cal 5-100ng	5	✓	10.0	10.1	101.3
p1 Cal 6-250ng	6	✓	25.0	25.4	101.6
p1 Cal 7-500ng	7	✓	50.0	50.5	101.0
p1 Cal 8-1000ng	8	✓	100.0	100.3	100.3



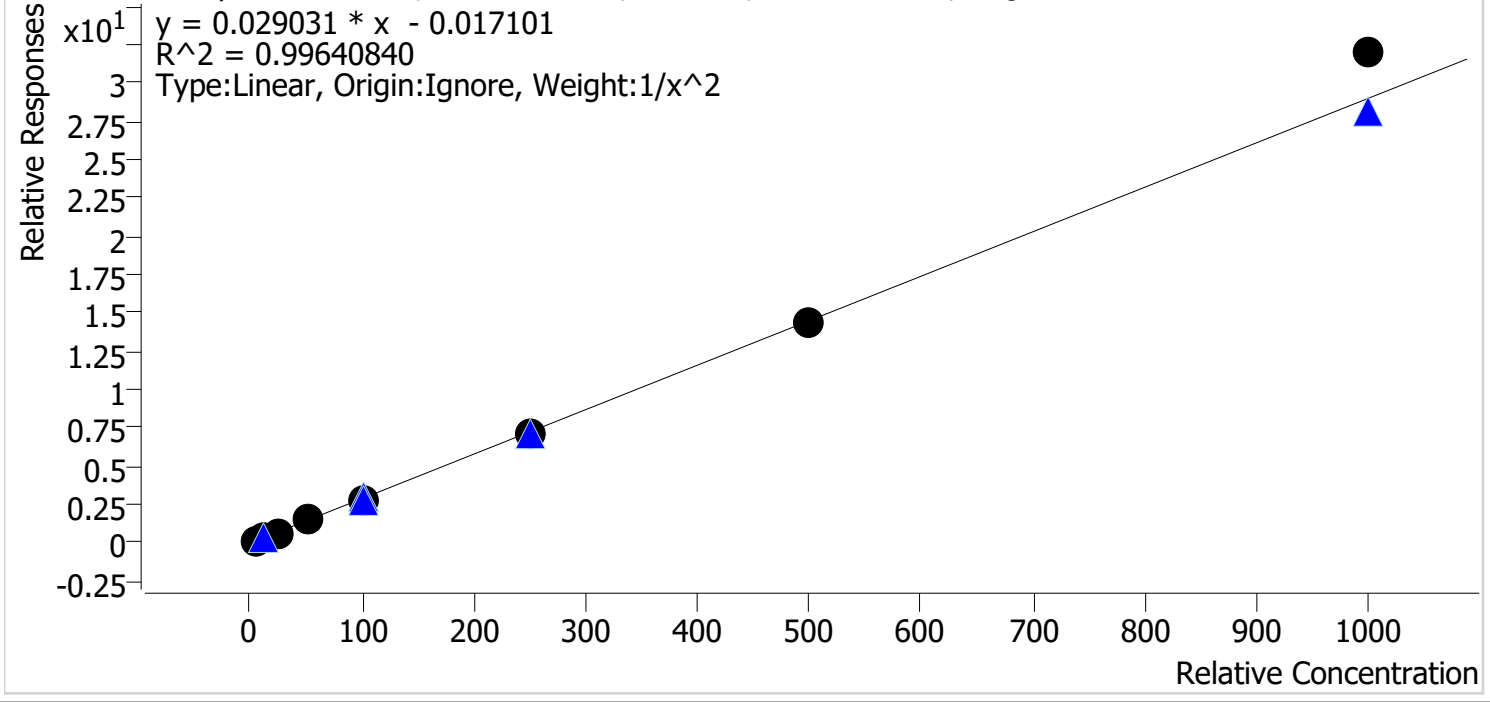
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.9
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	243.3	97.3
p1 Cal 7-500ng	7	✓	500.0	495.0	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1103.0	110.3

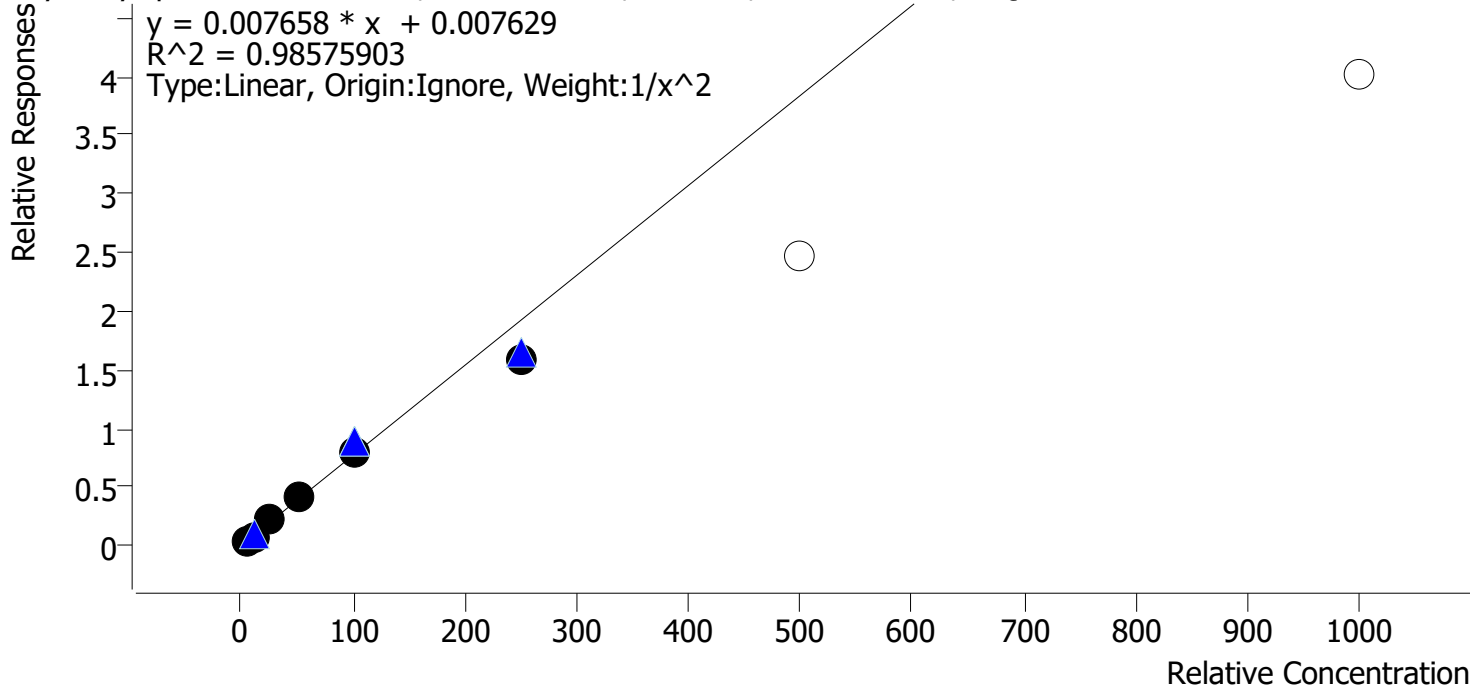
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5

a-hydroxyalprazolam - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.1
p1 Cal 4-50ng	4	✓	50.0	54.5	108.9
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	205.5	82.2
p1 Cal 7-500ng	7	x	500.0	322.5	64.5
p1 Cal 8-1000ng	8	x	1000.0	523.1	52.3

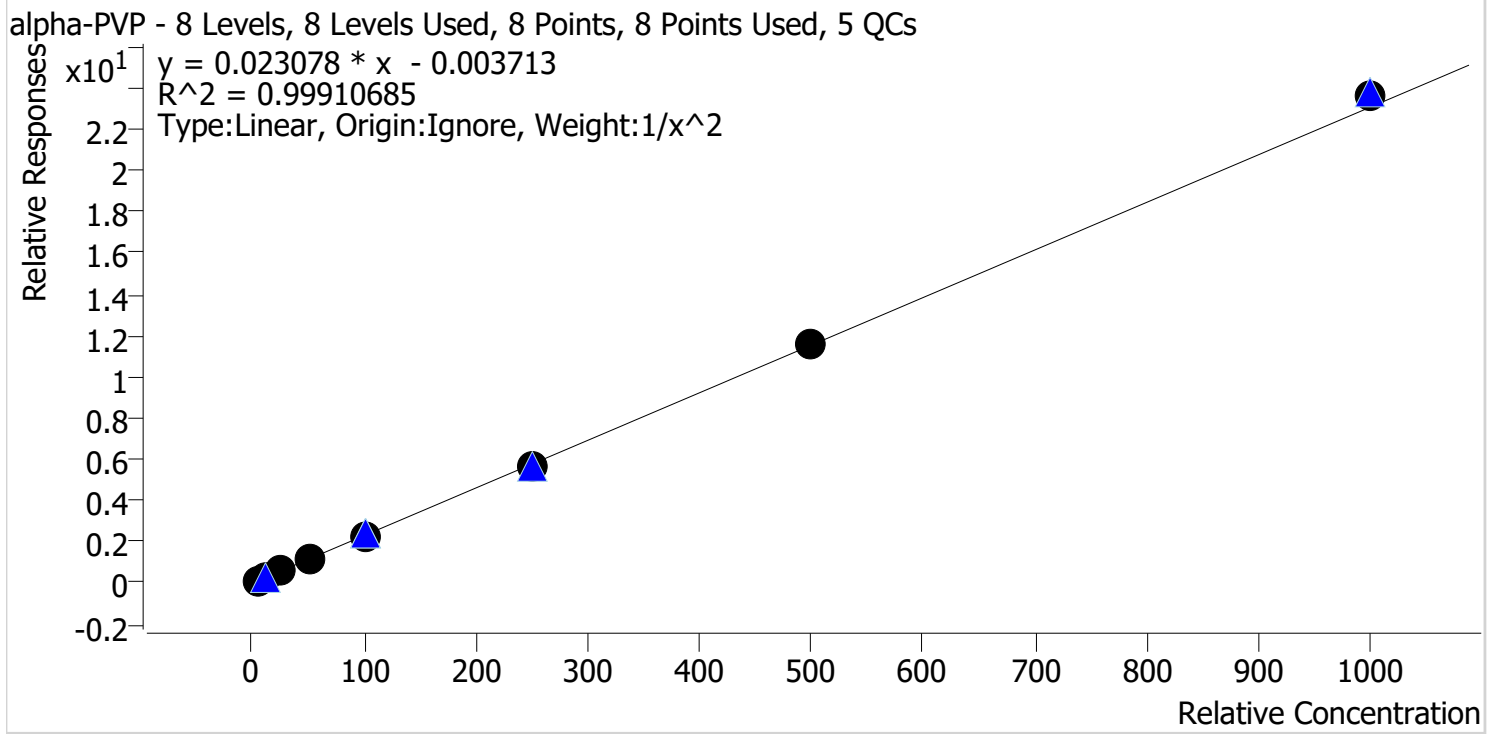
Cal 7 and 8 dropped due to linearity

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8



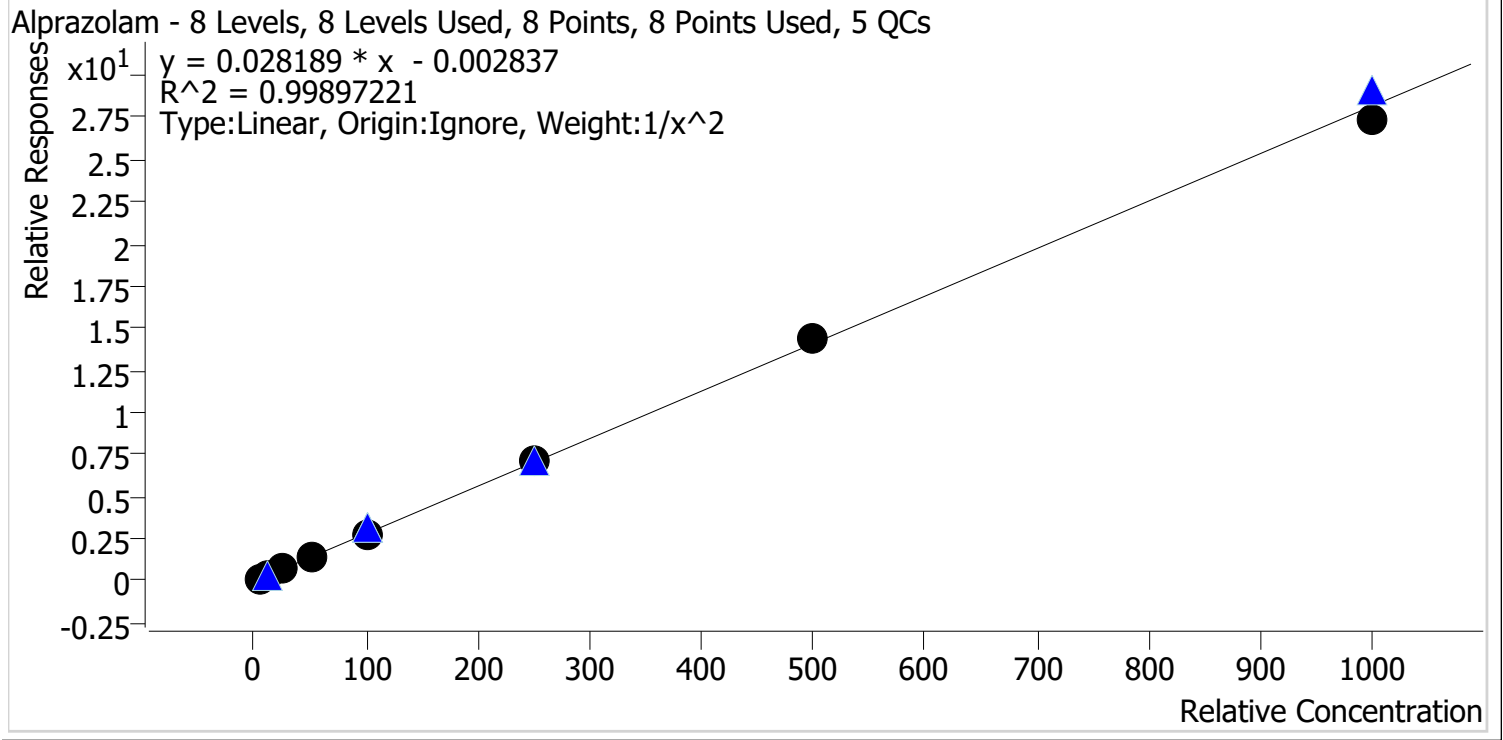
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	505.4	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1022.0	102.2

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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	101.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	514.0	102.8
p1 Cal 8-1000ng	8	✓	1000.0	969.8	97.0

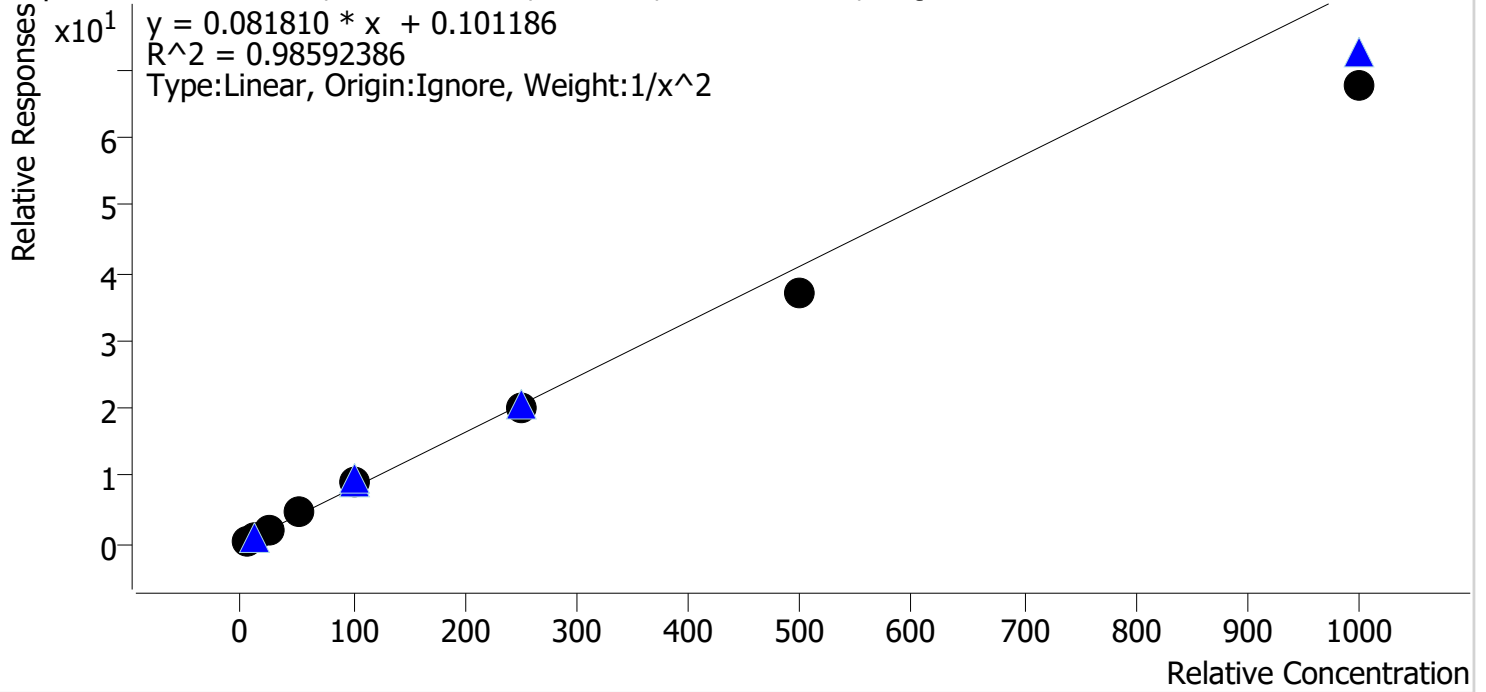


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.7
p1 Cal 4-50ng	4	✓	50.0	57.1	114.2
p1 Cal 5-100ng	5	✓	100.0	108.9	108.9
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	454.5	90.9
p1 Cal 8-1000ng	8	✓	1000.0	827.1	82.7

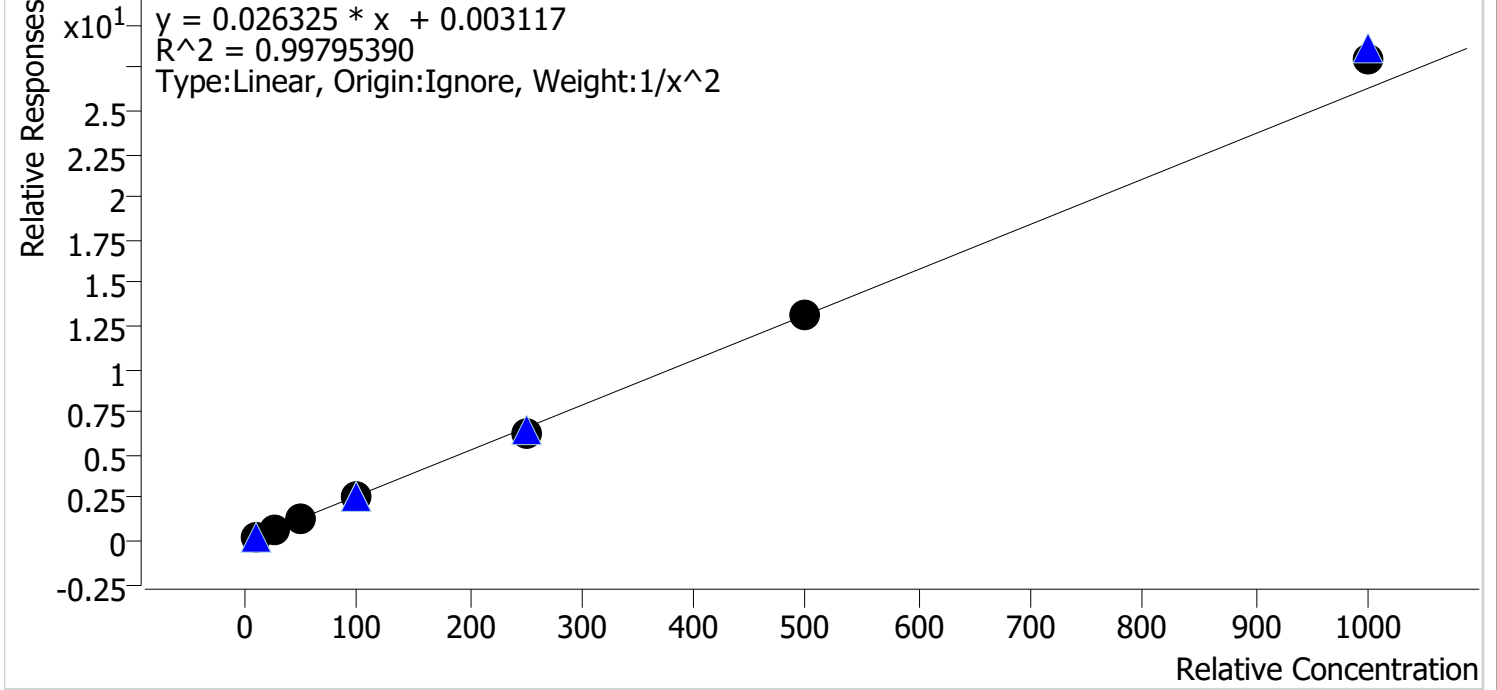


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

Benzoylecgonine - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 5 QCs



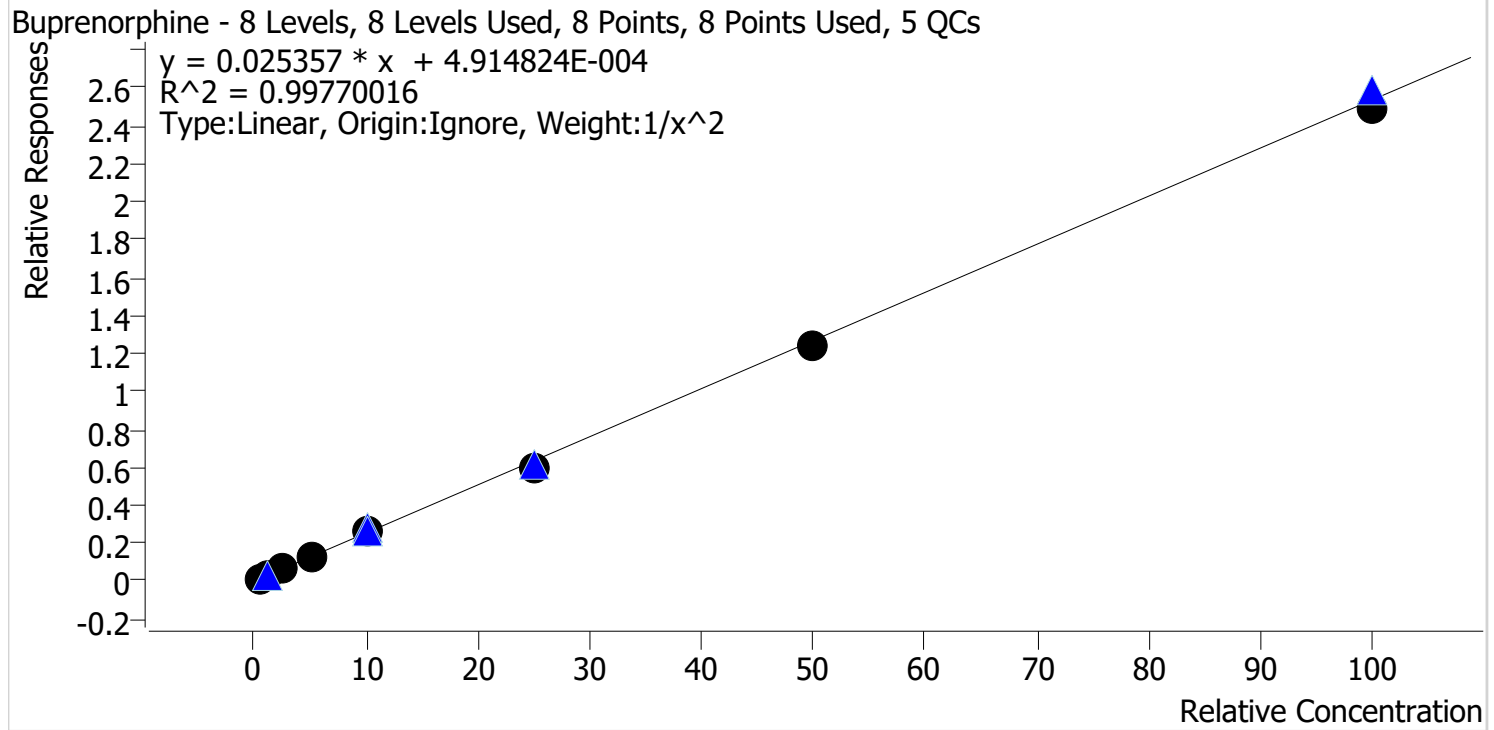
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	238.9	95.6
p1 Cal 7-500ng	7	✓	500.0	495.9	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1061.5	106.2

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4



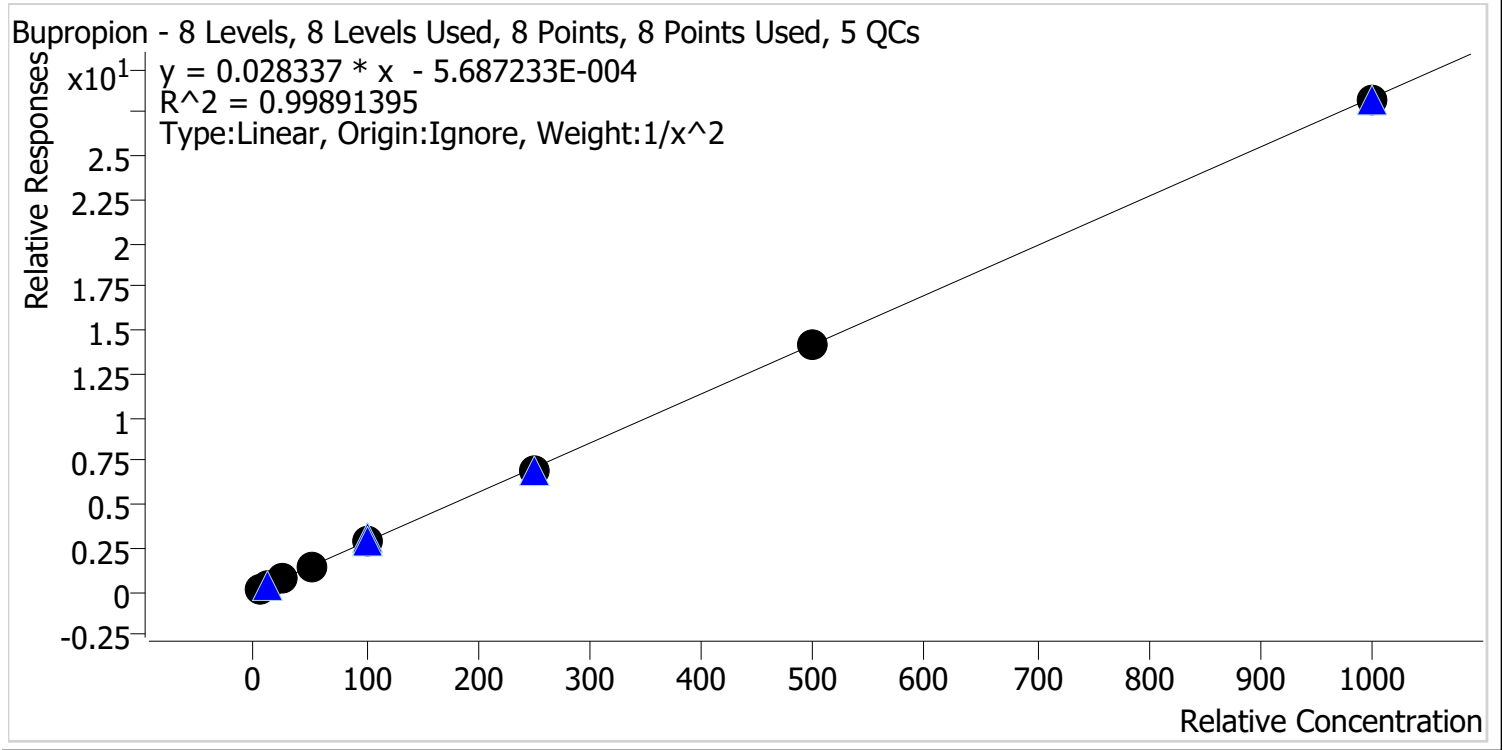
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	96.8
p1 Cal 2-10ng	2	✓	1.0	1.1	105.4
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.9
p1 Cal 4-50ng	4	✓	5.0	5.3	106.9
p1 Cal 5-100ng	5	✓	10.0	10.1	100.7
p1 Cal 6-250ng	6	✓	25.0	23.8	95.2
p1 Cal 7-500ng	7	✓	50.0	48.6	97.2
p1 Cal 8-1000ng	8	✓	100.0	98.0	98.0

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	52.6	105.3
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	243.1	97.3
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	994.1	99.4



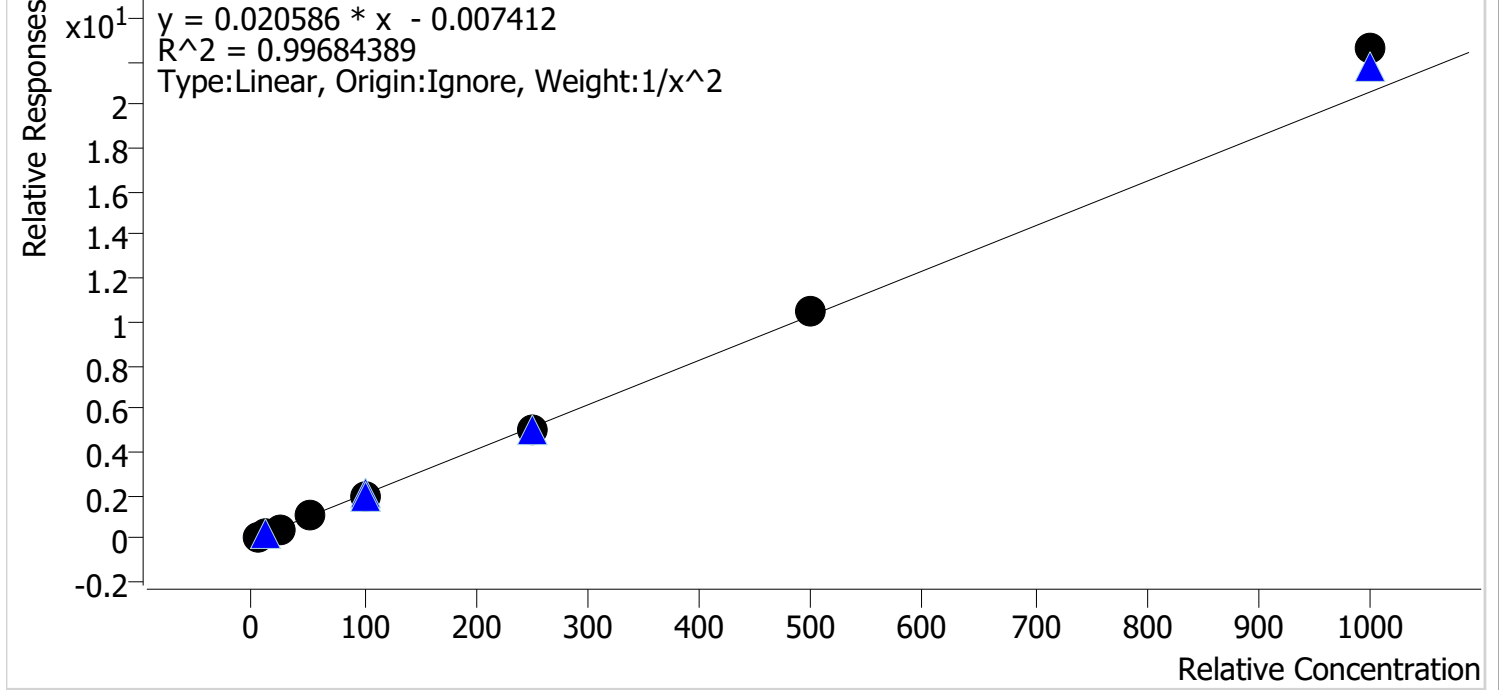


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	507.0	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1096.9	109.7

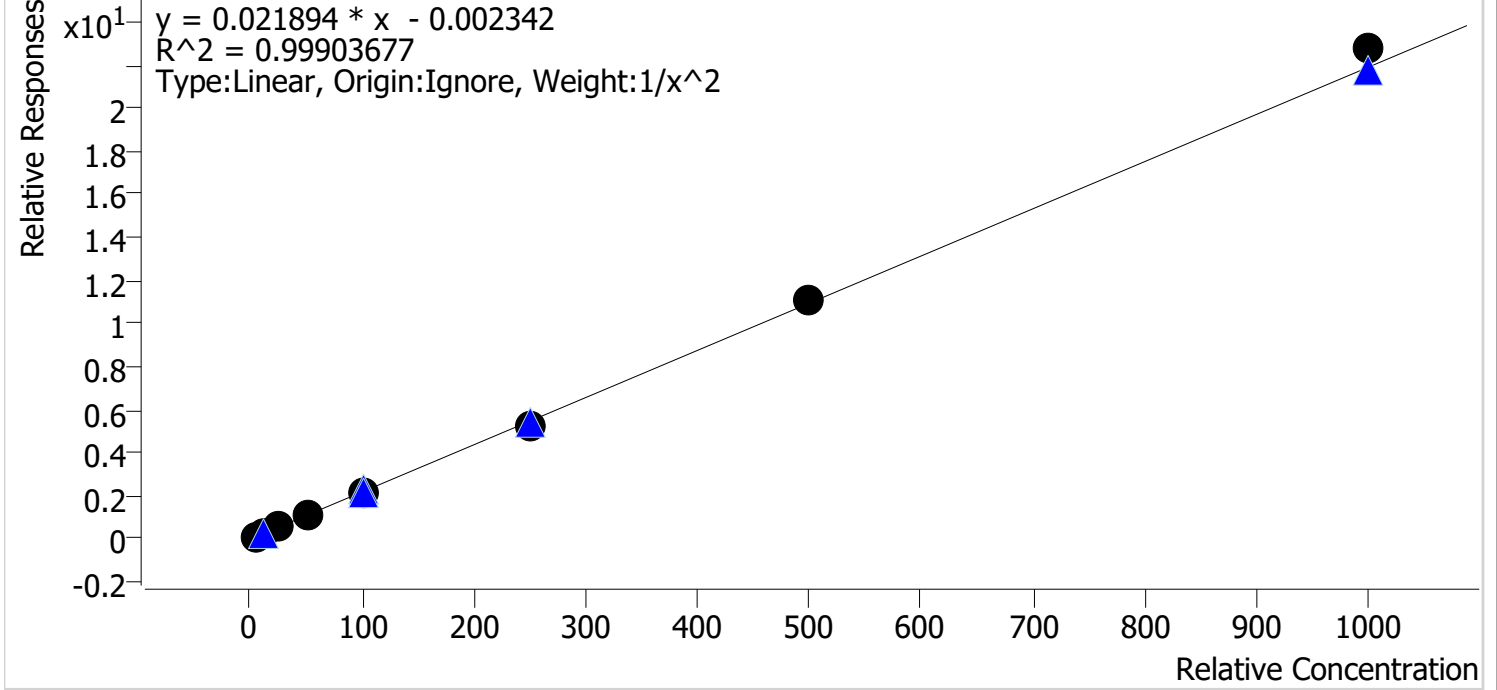


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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



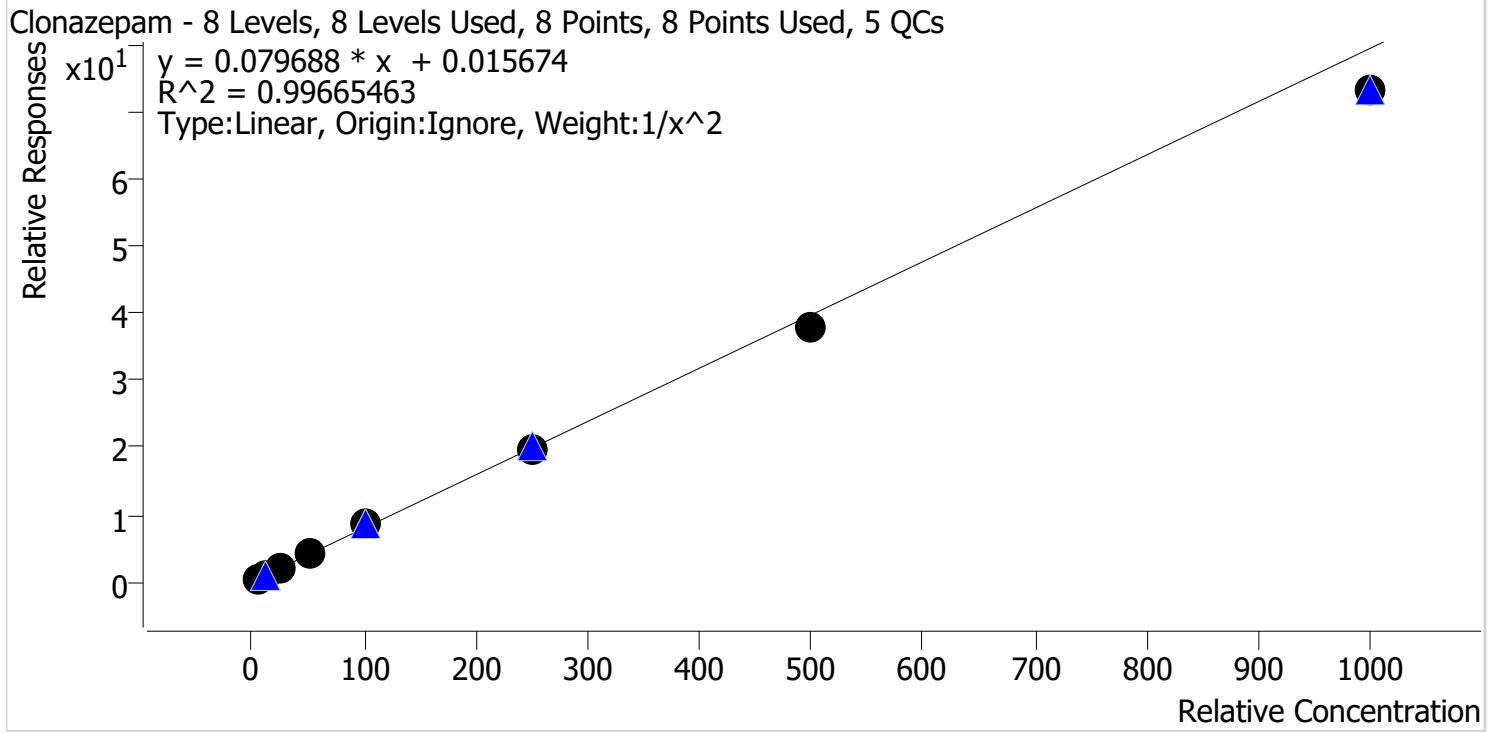
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	241.1	96.4
p1 Cal 7-500ng	7	✓	500.0	503.4	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1039.6	104.0

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



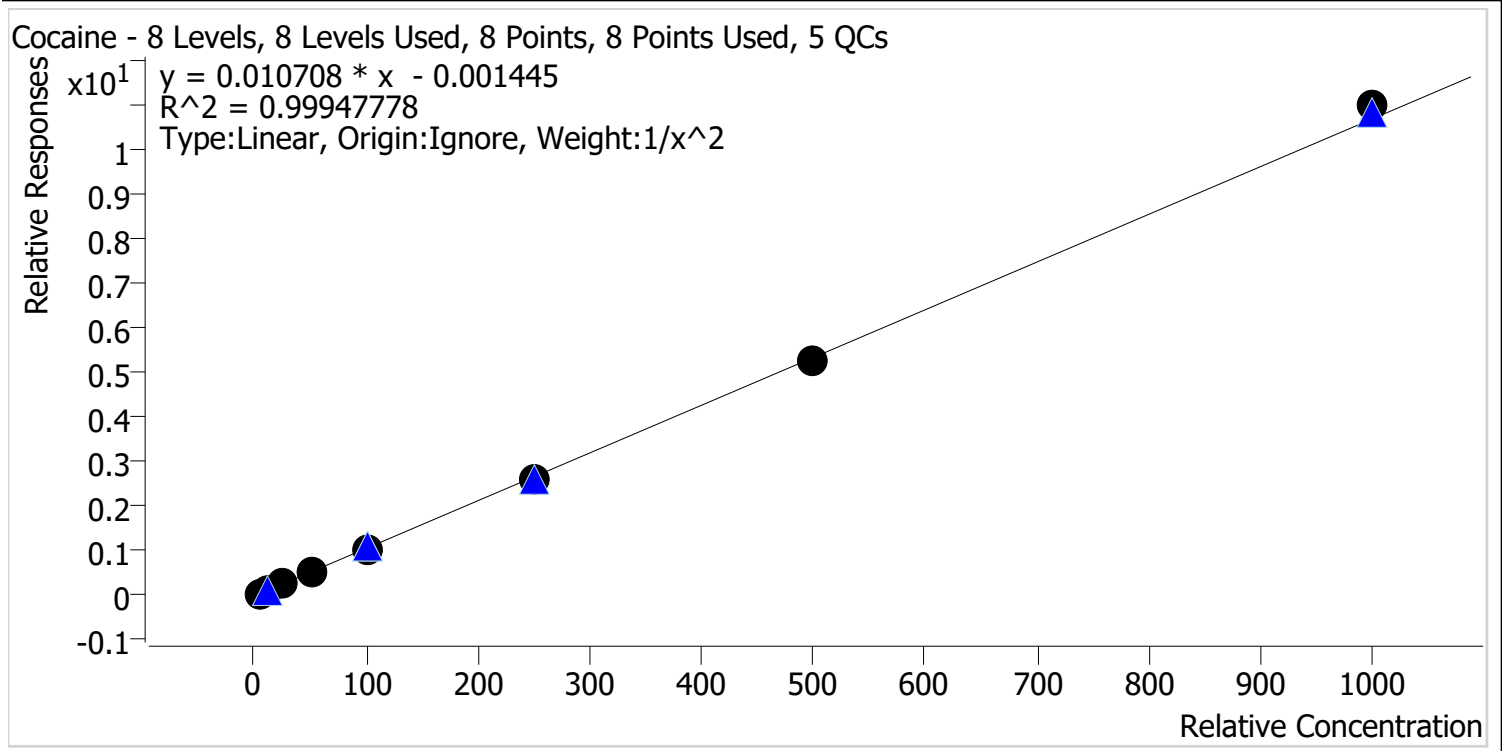
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	476.9	95.4
p1 Cal 8-1000ng	8	✓	1000.0	920.7	92.1



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	242.3	96.9
p1 Cal 7-500ng	7	✓	500.0	494.9	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1028.0	102.8

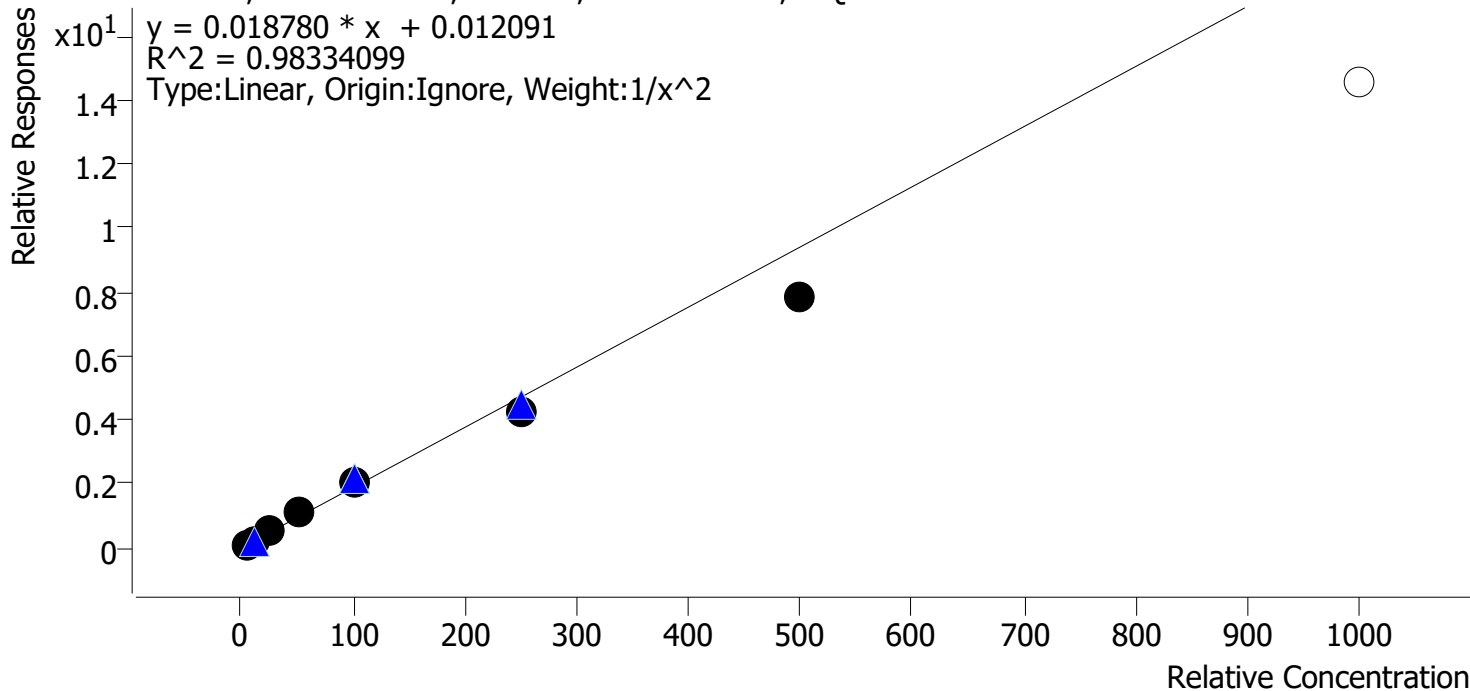
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

Codeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.8
p1 Cal 2-10ng	2	✓	10.0	10.6	106.1
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.4
p1 Cal 4-50ng	4	✓	50.0	57.5	115.1
p1 Cal 5-100ng	5	✓	100.0	106.9	106.9
p1 Cal 6-250ng	6	✓	250.0	227.5	91.0
p1 Cal 7-500ng	7	✓	500.0	414.0	82.8
p1 Cal 8-1000ng	8	✗	1000.0	773.8	77.4

Cal 8 dropped due to linearity

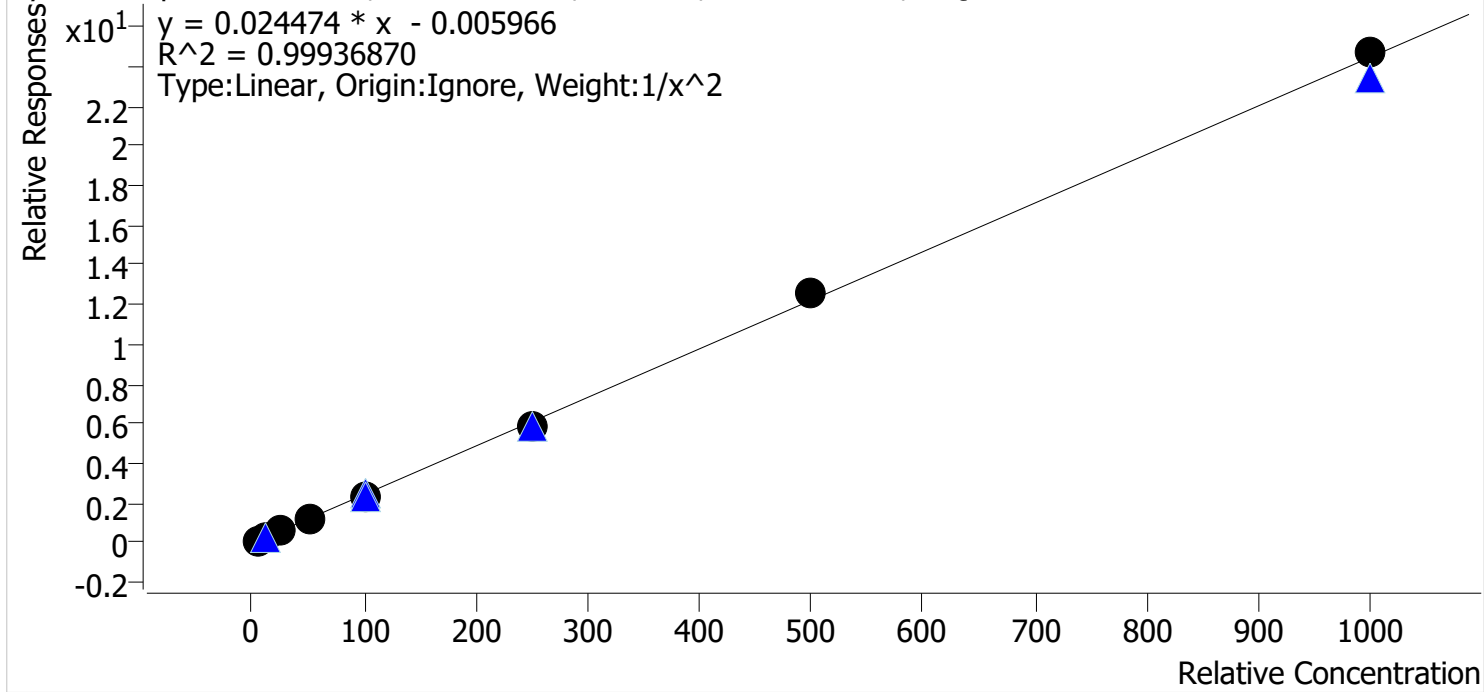
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	512.5	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1009.7	101.0

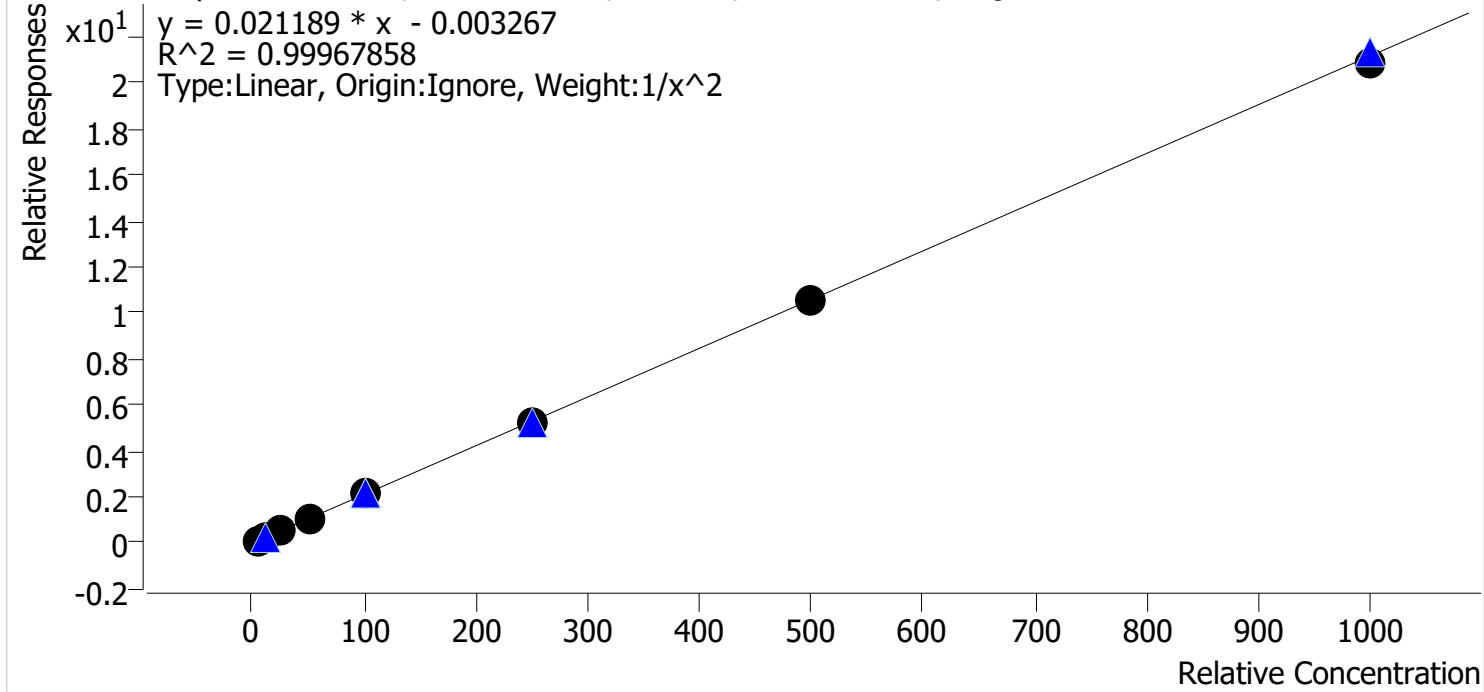
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



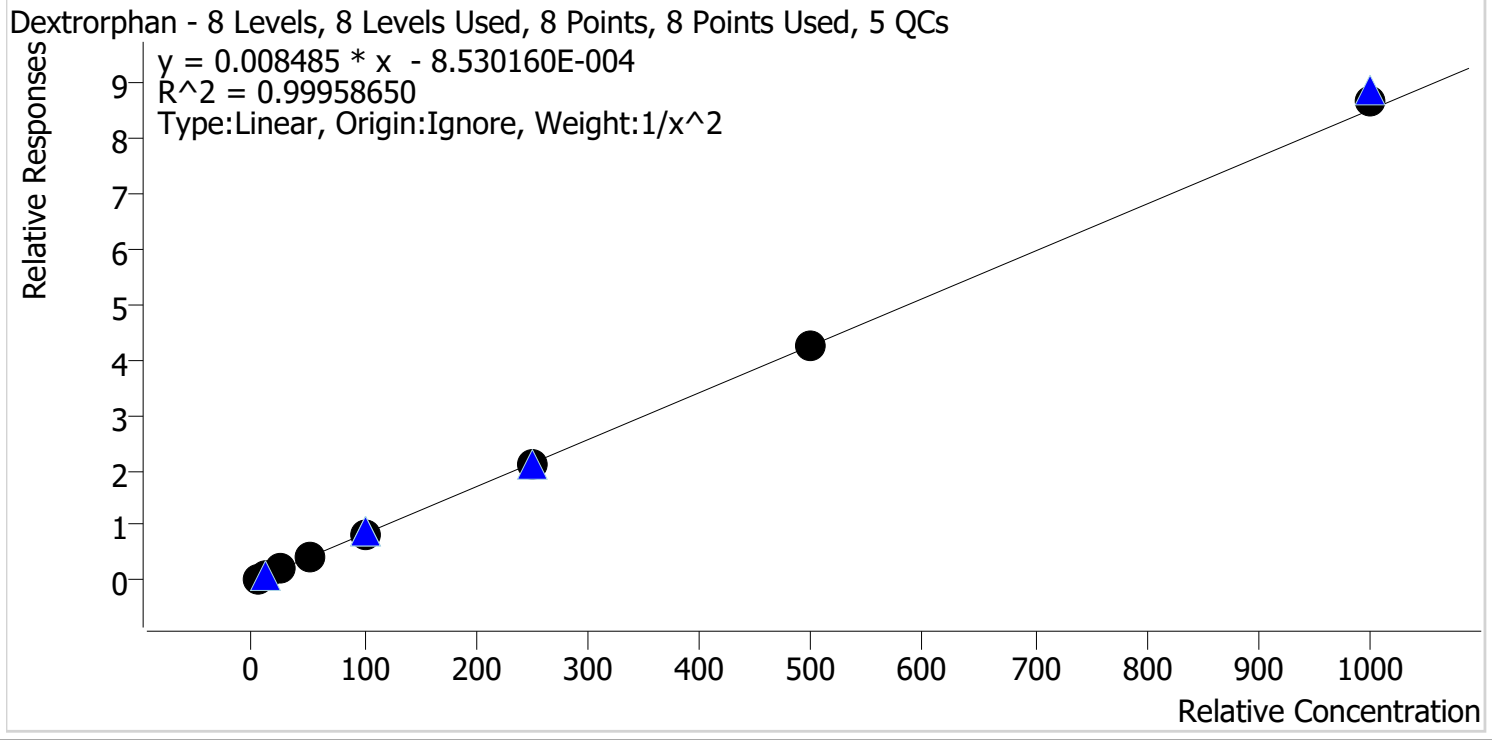
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	498.4	99.7
p1 Cal 8-1000ng	8	✓	1000.0	985.7	98.6

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	500.6	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1018.8	101.9

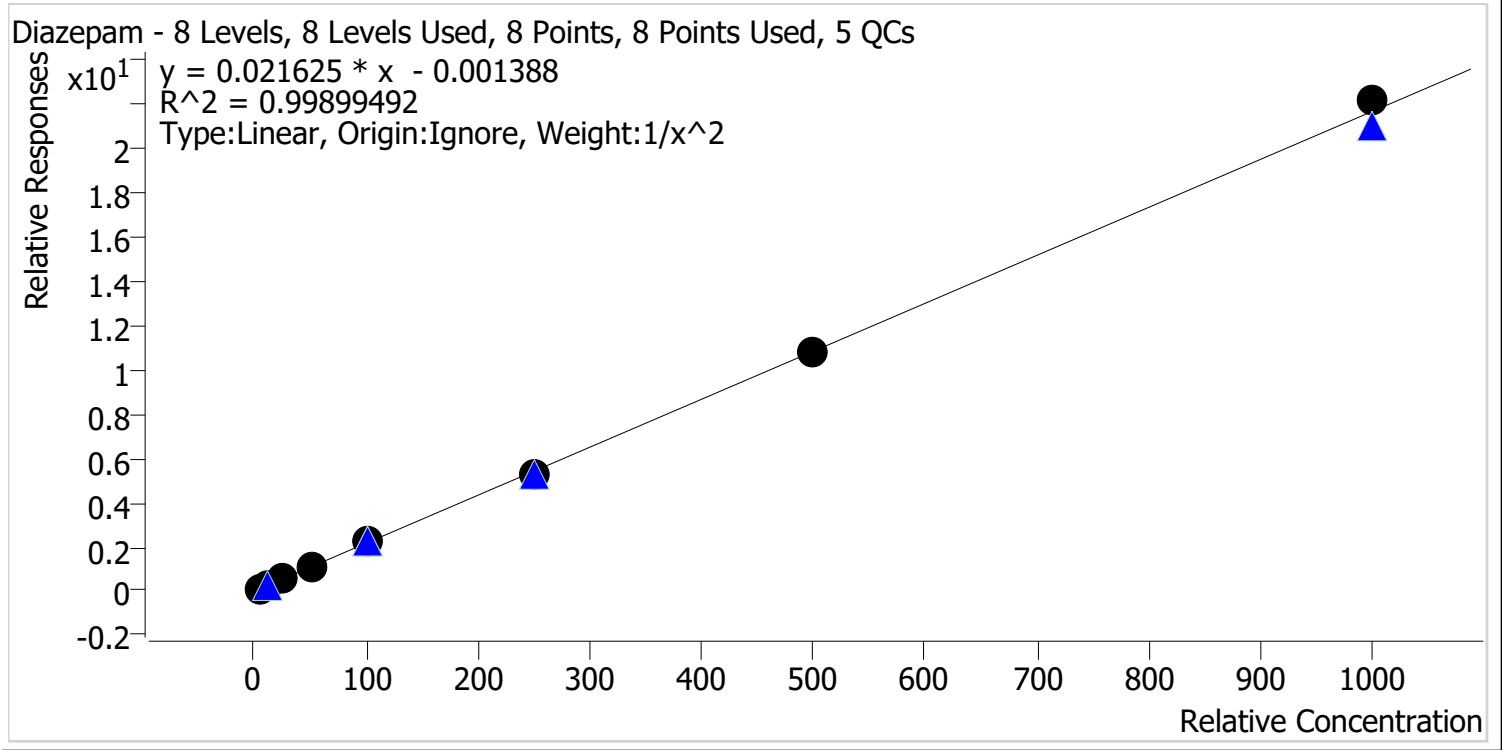


TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	243.9	97.6
p1 Cal 7-500ng	7	✓	500.0	498.3	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1022.6	102.3

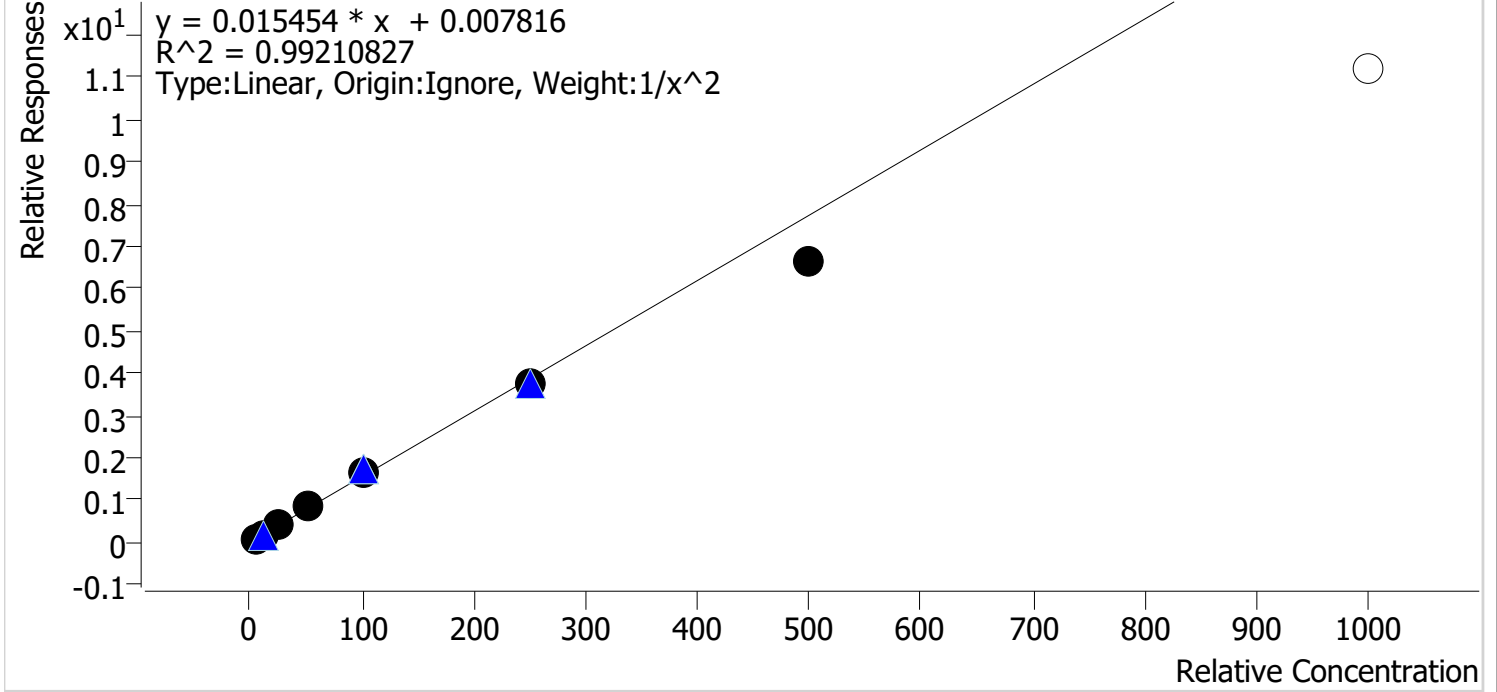


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

Dihydrocodeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	240.0	96.0
p1 Cal 7-500ng	7	✓	500.0	432.2	86.4
p1 Cal 8-1000ng	8	✗	1000.0	726.0	72.6

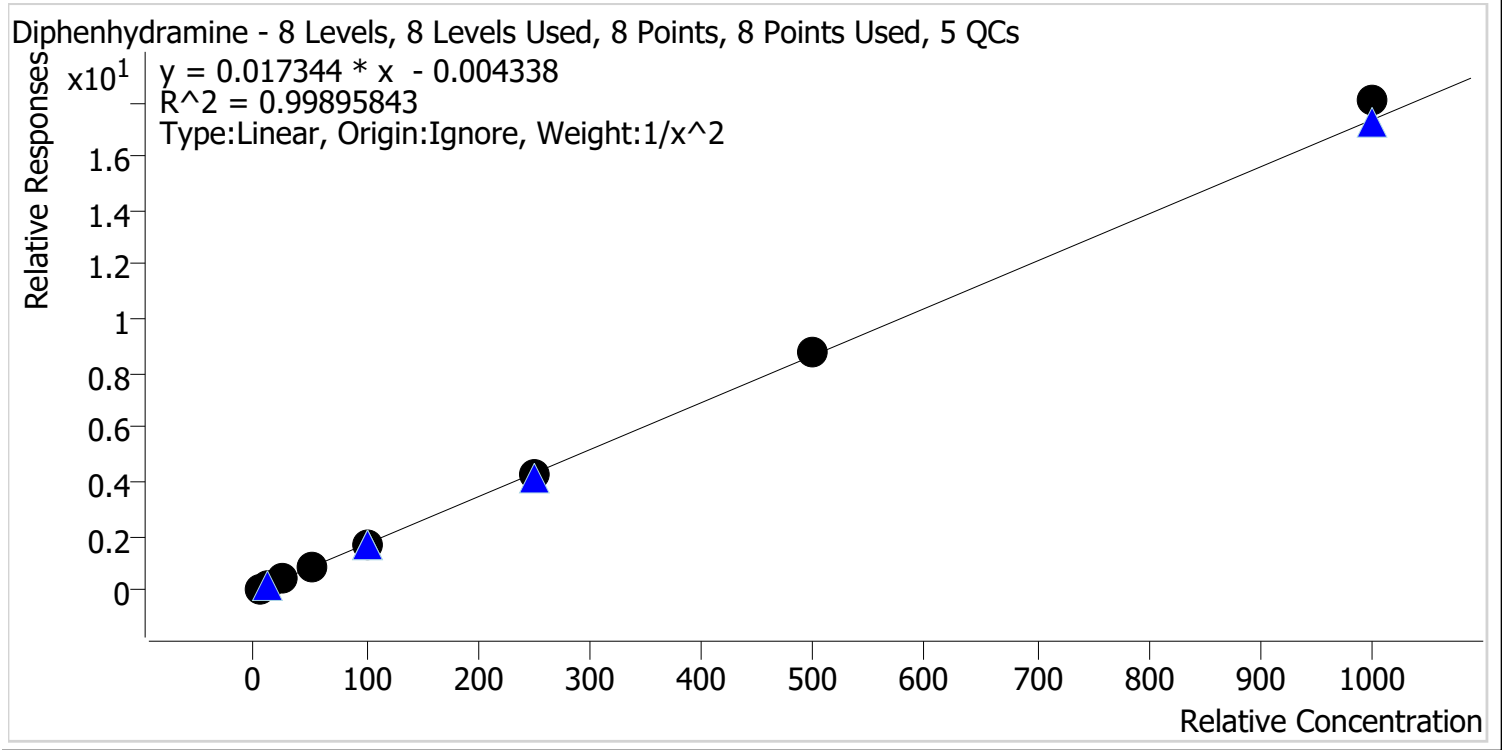
Cal 8 dropped due to linearity

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3



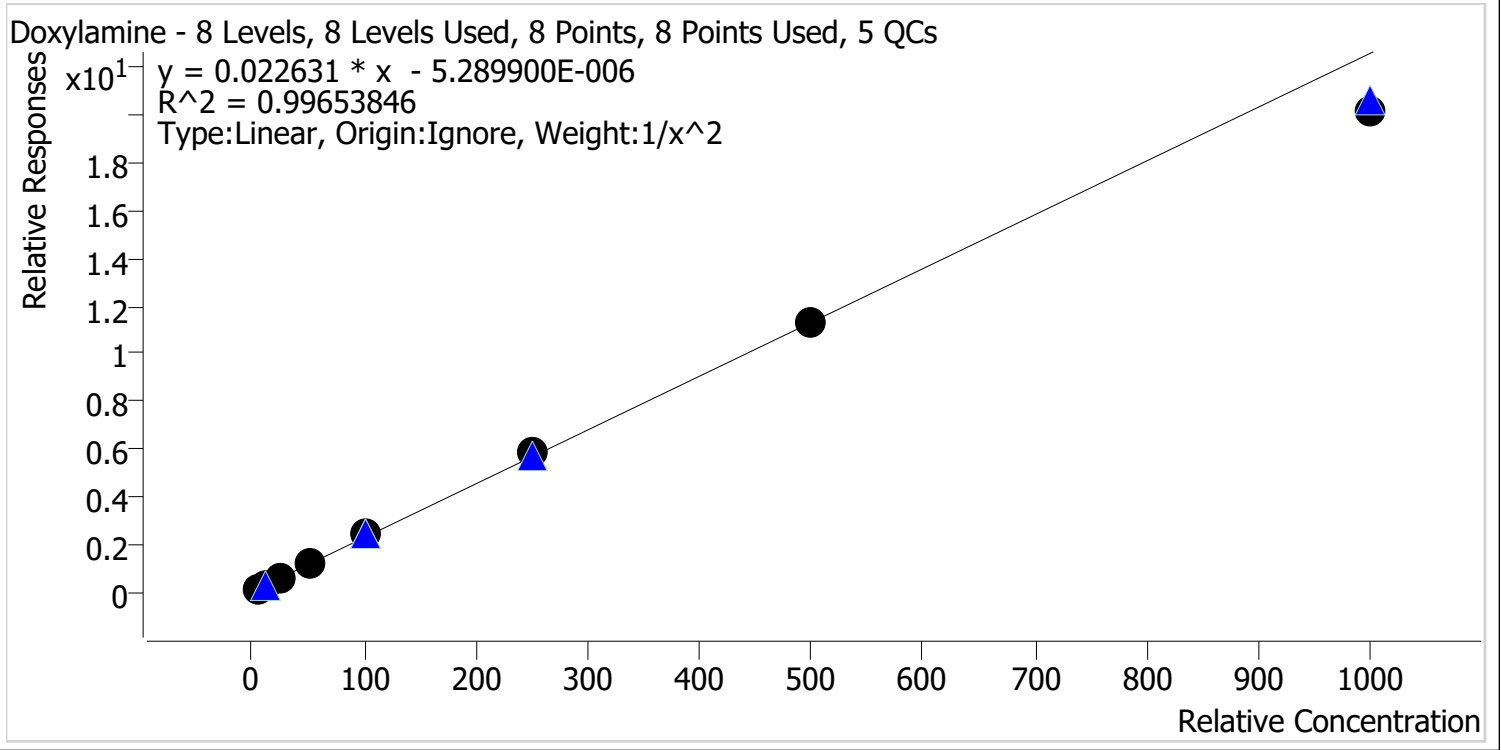
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	508.7	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1040.7	104.1



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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	100.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	261.6	104.6
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	892.1	89.2

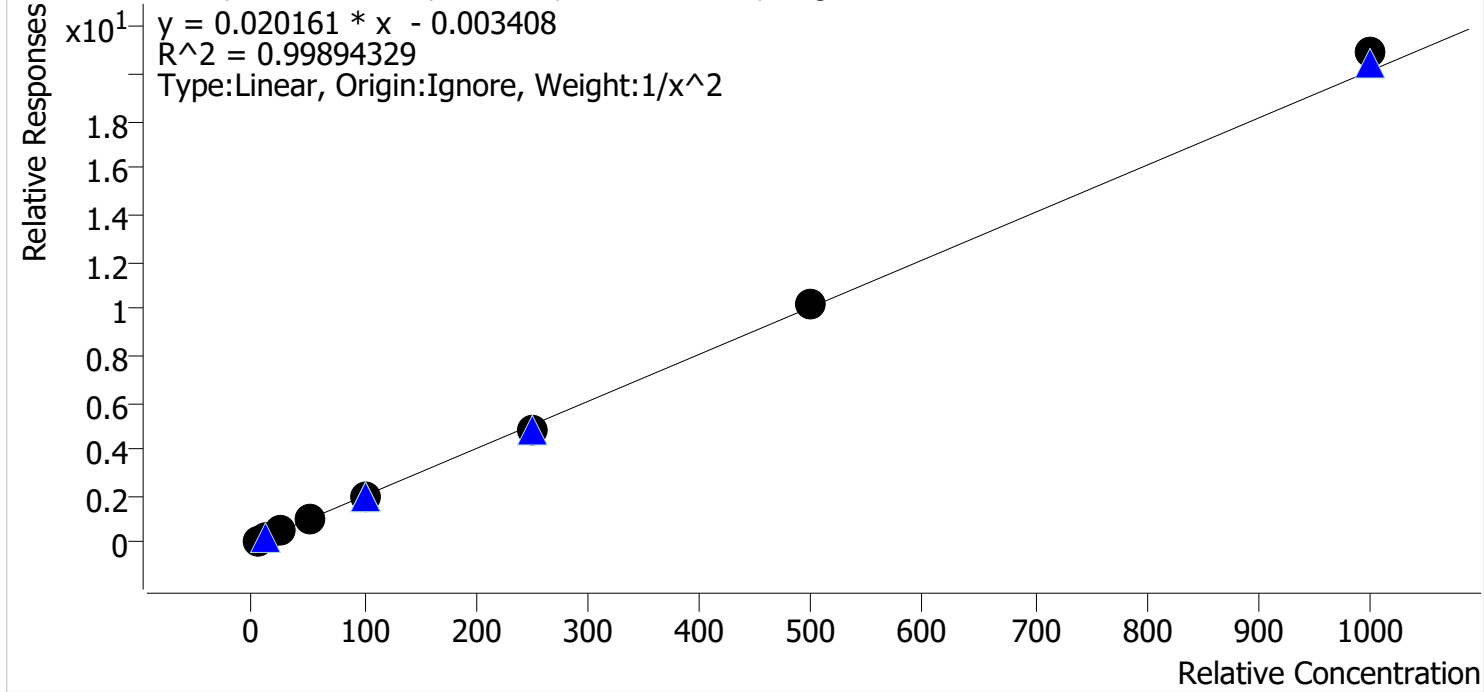
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	242.9	97.2
p1 Cal 7-500ng	7	✓	500.0	502.8	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1038.7	103.9

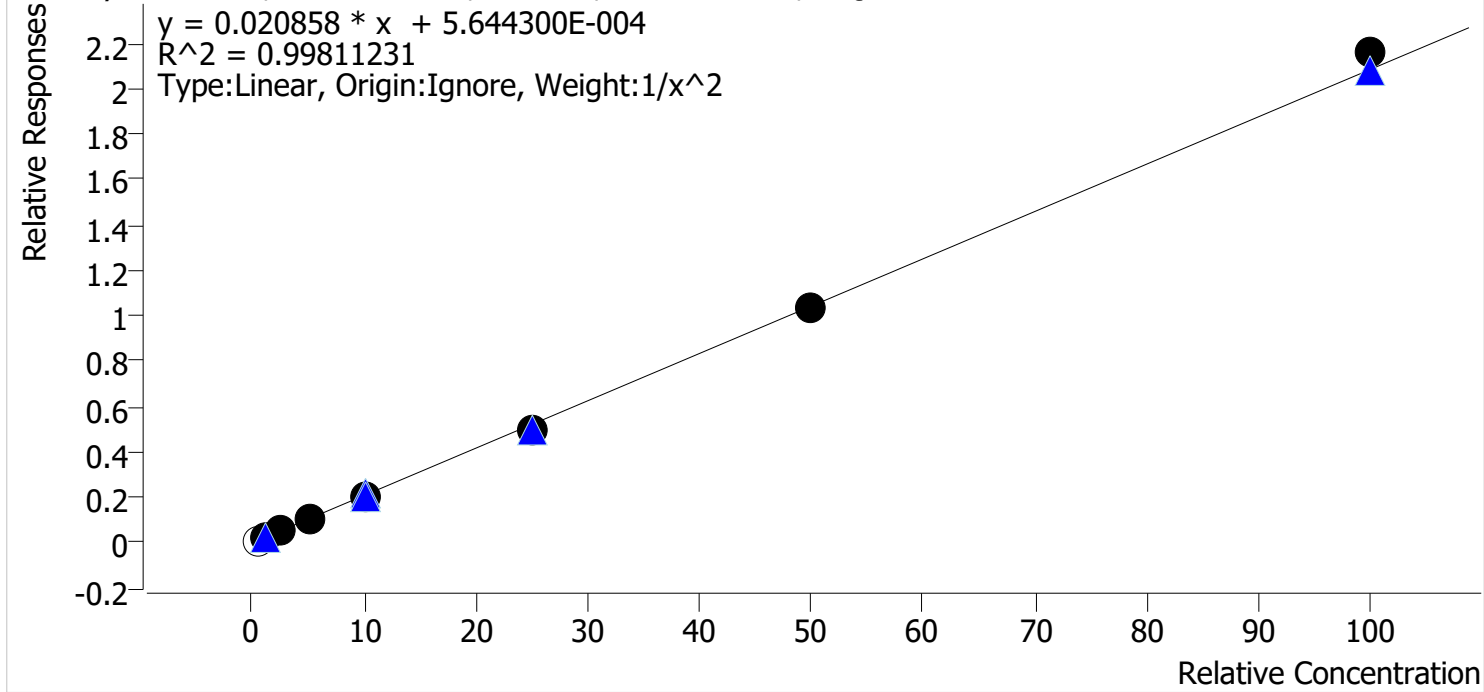
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.4	86.7
p1 Cal 2-10ng	2	✓	1.0	1.0	99.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.3
p1 Cal 4-50ng	4	✓	5.0	5.3	106.3
p1 Cal 5-100ng	5	✓	10.0	9.7	96.7
p1 Cal 6-250ng	6	✓	25.0	24.0	95.8
p1 Cal 7-500ng	7	✓	50.0	49.7	99.3
p1 Cal 8-1000ng	8	✓	100.0	103.6	103.6

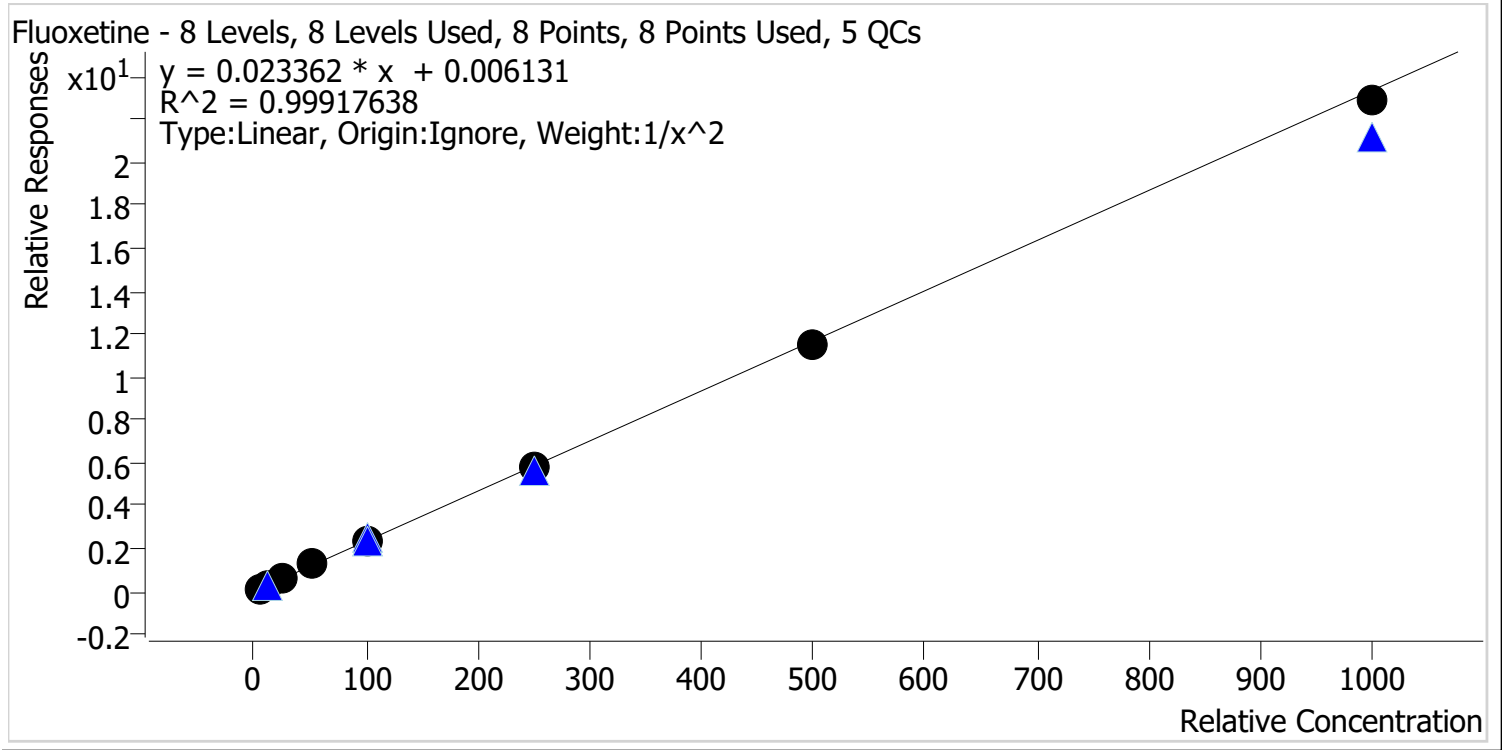
Cal 1 dropped due to S/N out

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	493.1	98.6
p1 Cal 8-1000ng	8	✓	1000.0	979.5	98.0

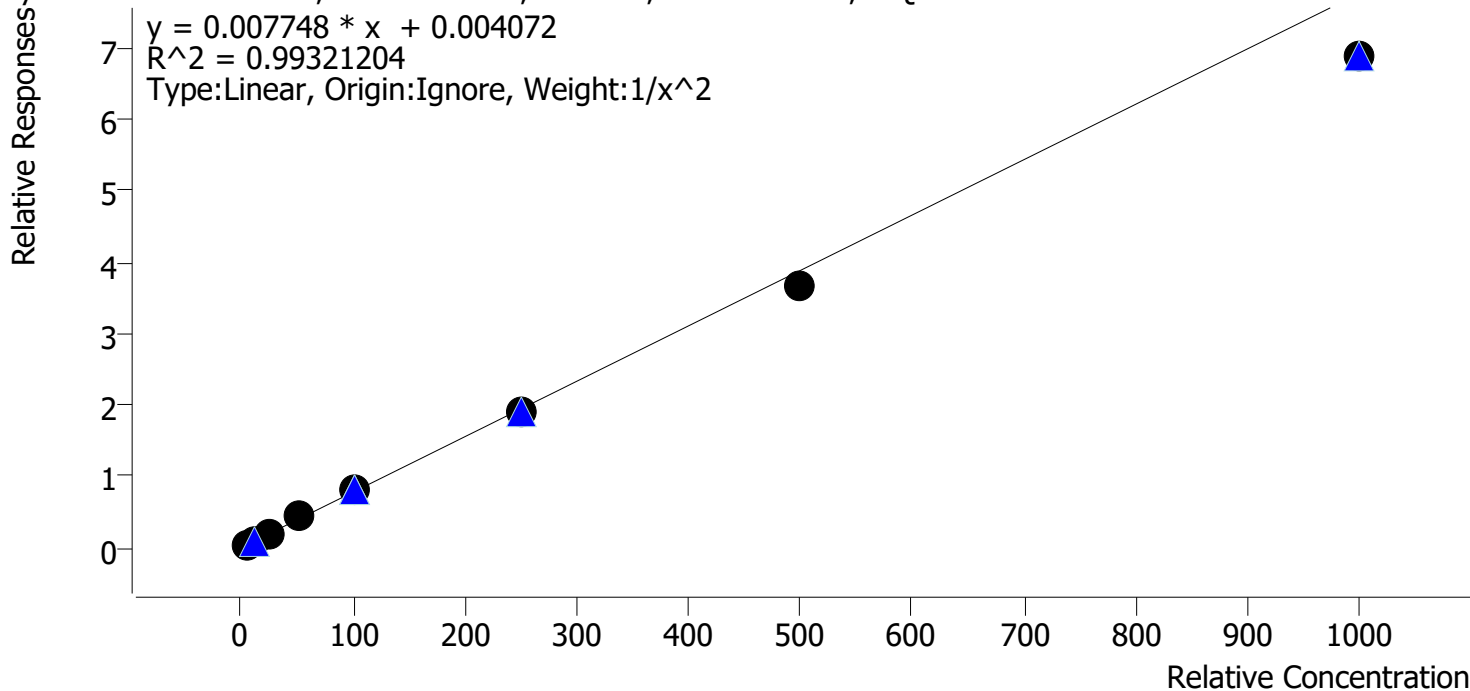
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	55.7	111.4
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	471.1	94.2
p1 Cal 8-1000ng	8	✓	1000.0	886.1	88.6



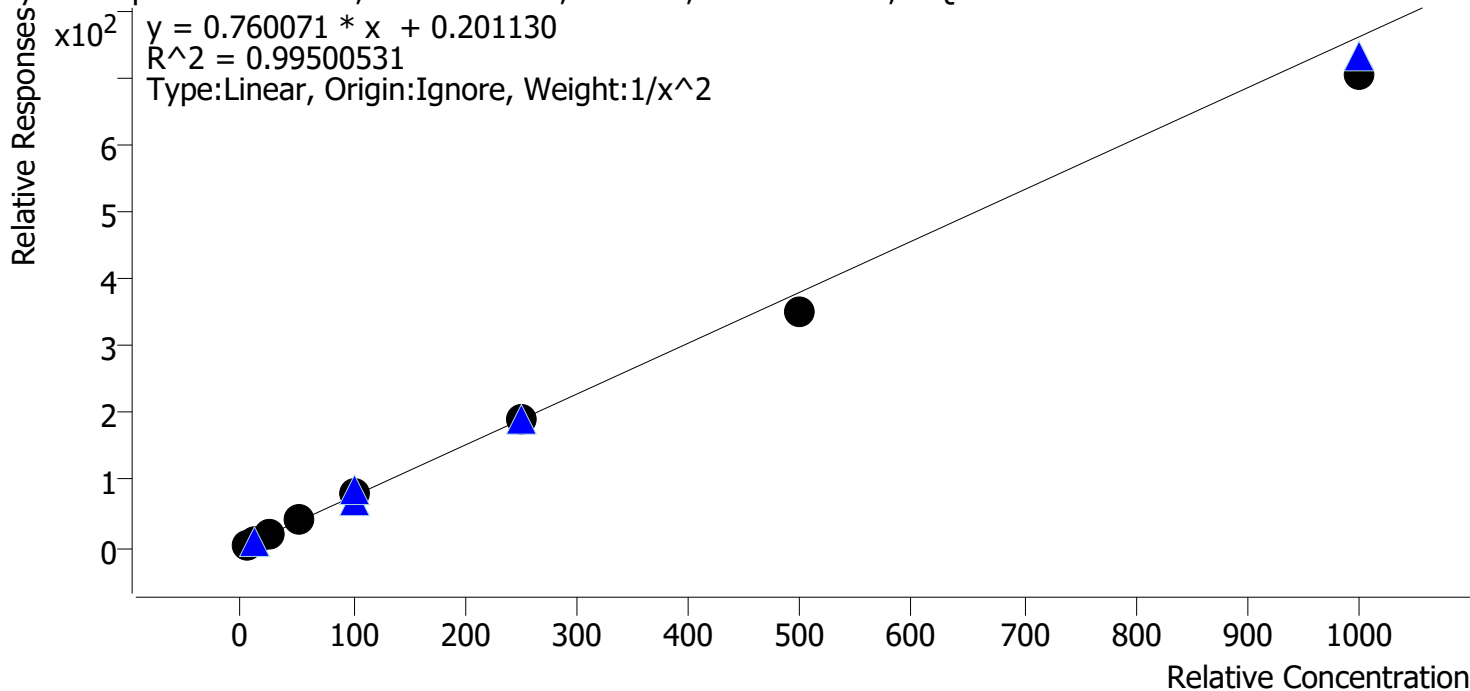
TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydromorphone **Internal Standard** Morphine-D6

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



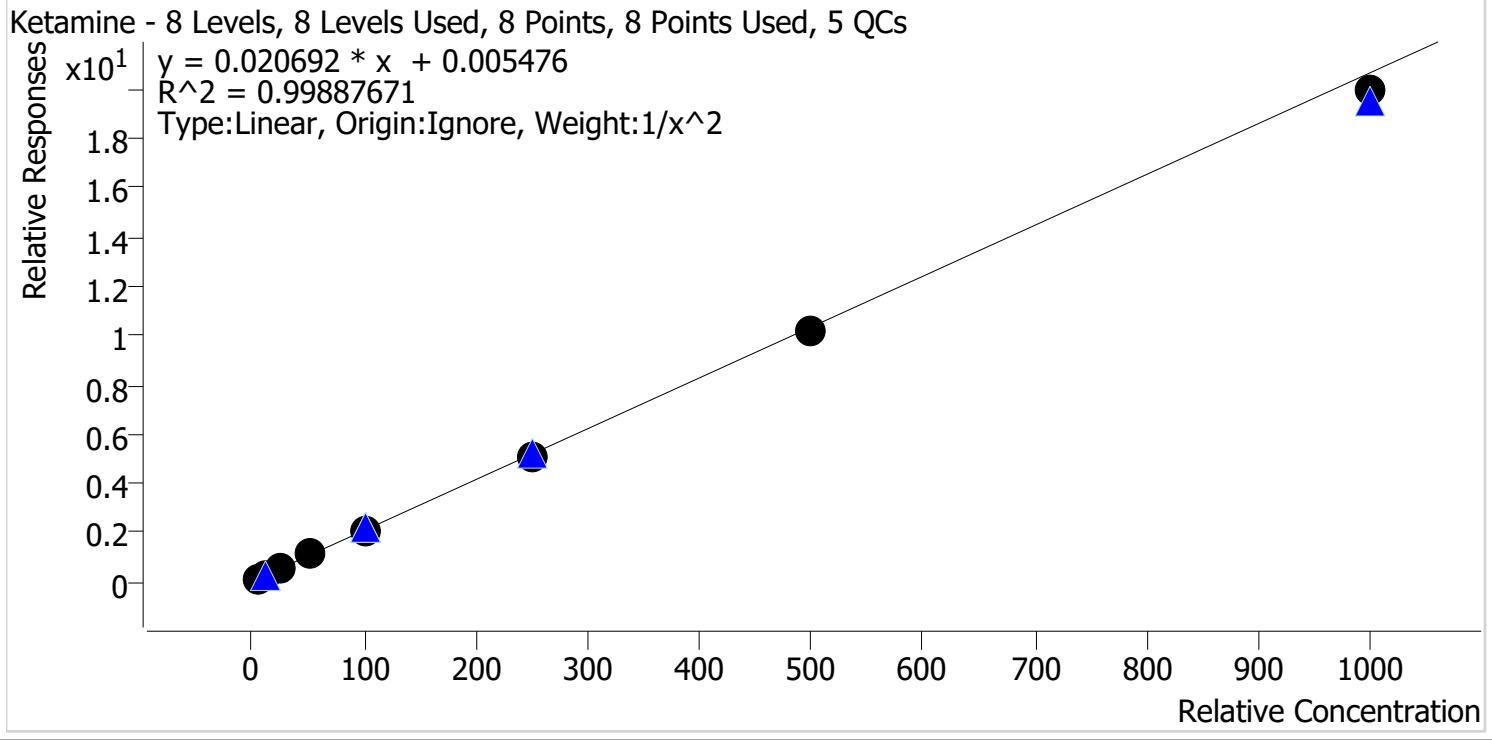
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	55.2	110.4
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	459.6	91.9
p1 Cal 8-1000ng	8	✓	1000.0	928.5	92.8

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



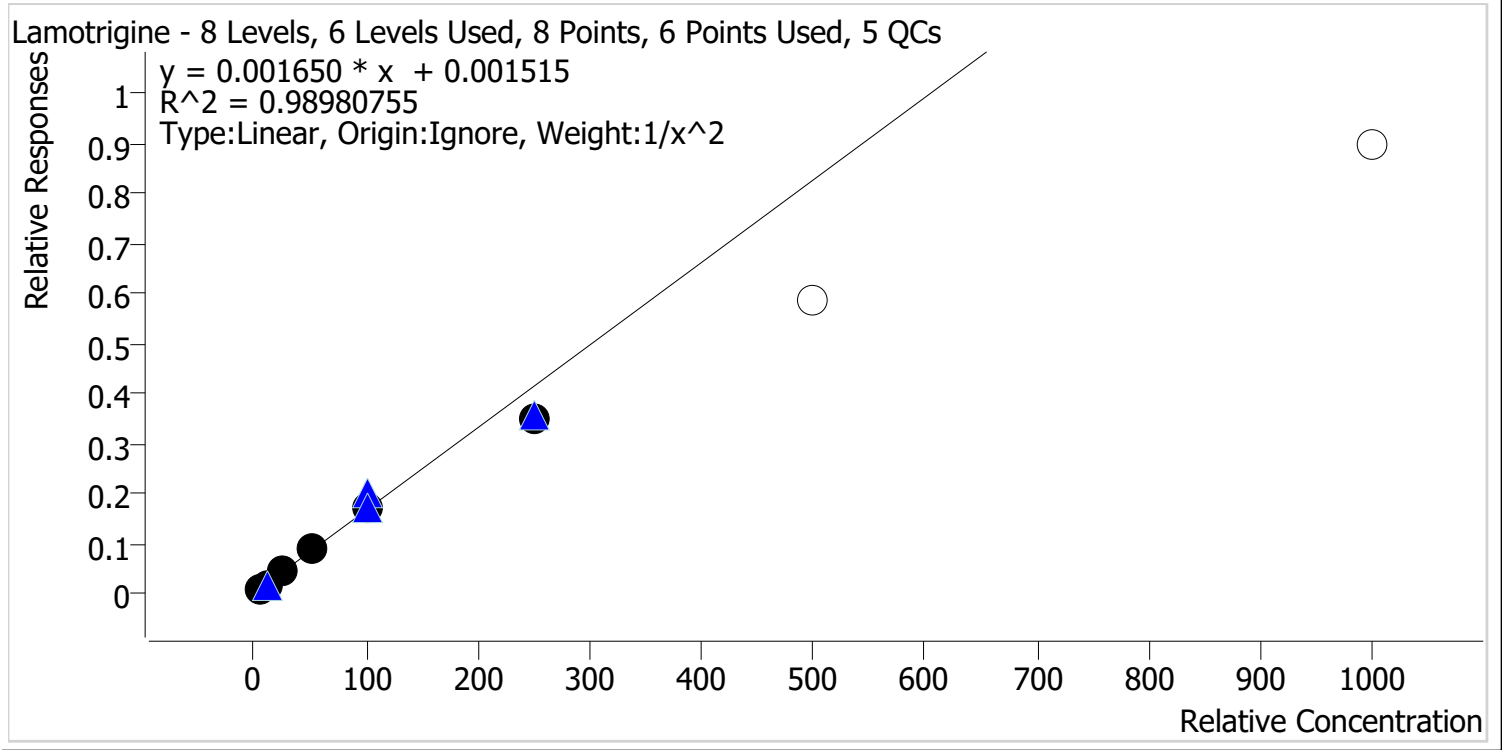
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	491.6	98.3
p1 Cal 8-1000ng	8	✓	1000.0	964.9	96.5

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	54.2	108.5
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	212.5	85.0
p1 Cal 7-500ng	7	x	500.0	353.7	70.7
p1 Cal 8-1000ng	8	x	1000.0	544.8	54.5

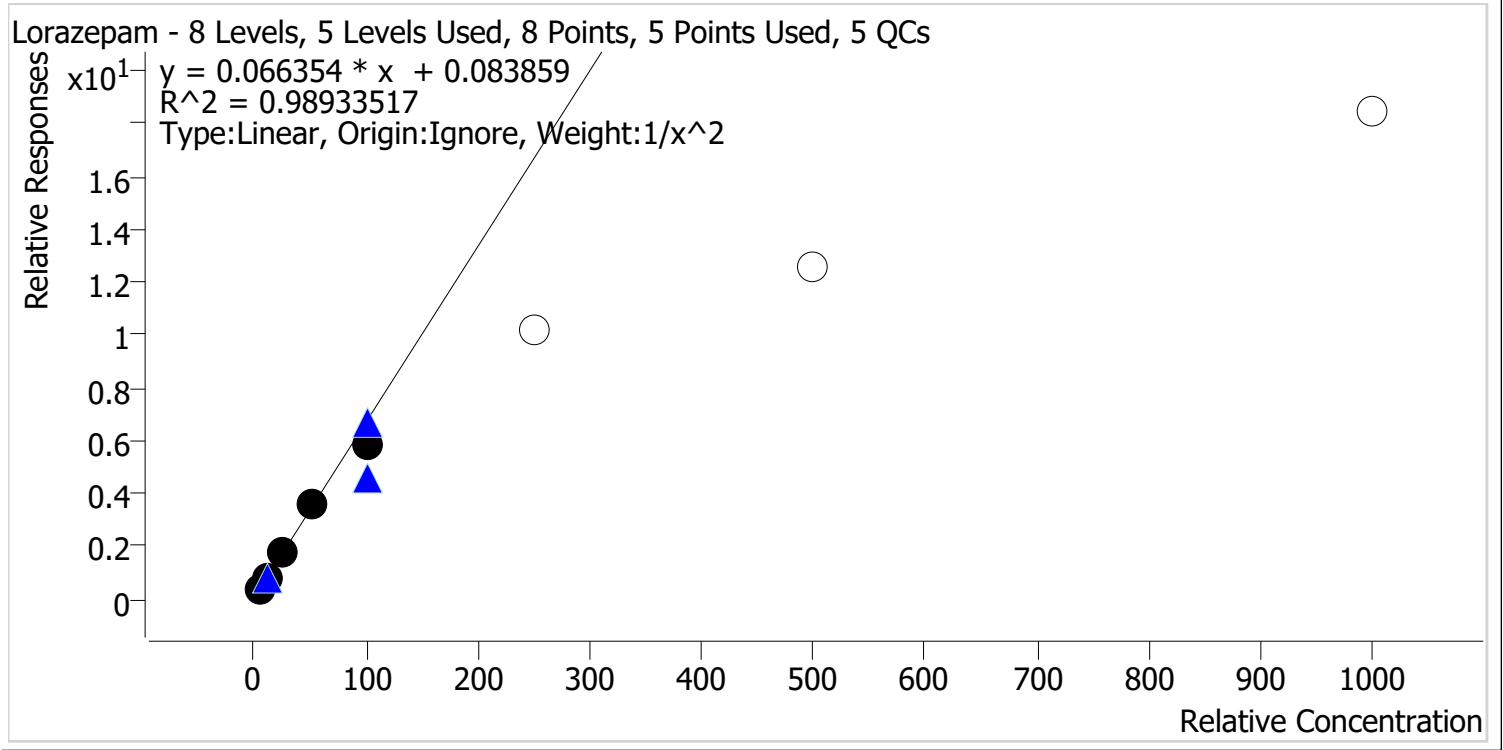
Cal 7 and 8 dropped due to linearity

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	87.4	87.4
p1 Cal 6-250ng	6	✗	250.0	151.5	60.6
p1 Cal 7-500ng	7	✗	500.0	188.5	37.7
p1 Cal 8-1000ng	8	✗	1000.0	277.5	27.8

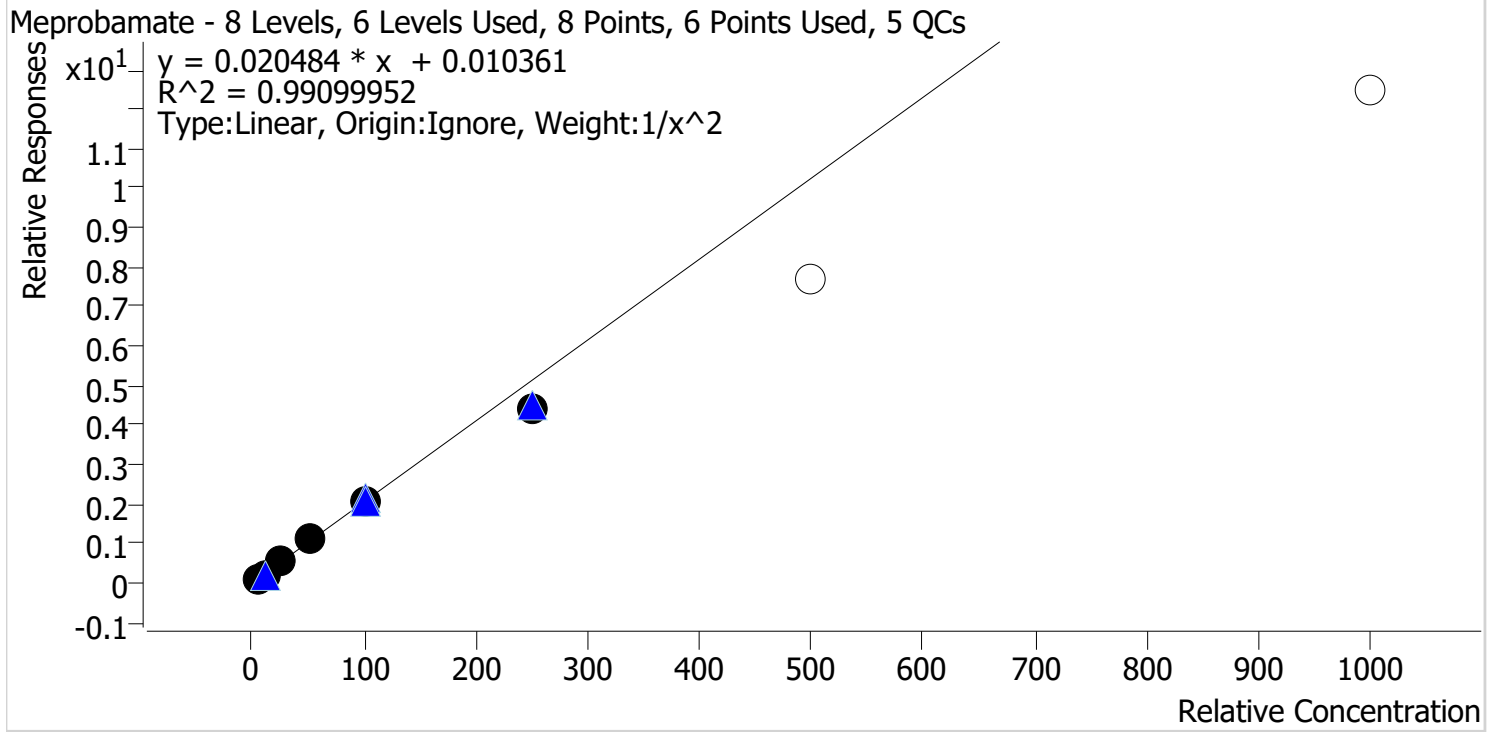
Cal 6, 7, and 8 dropped due to linearity

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	216.0	86.4
p1 Cal 7-500ng	7	x	500.0	374.2	74.8
p1 Cal 8-1000ng	8	x	1000.0	608.3	60.8

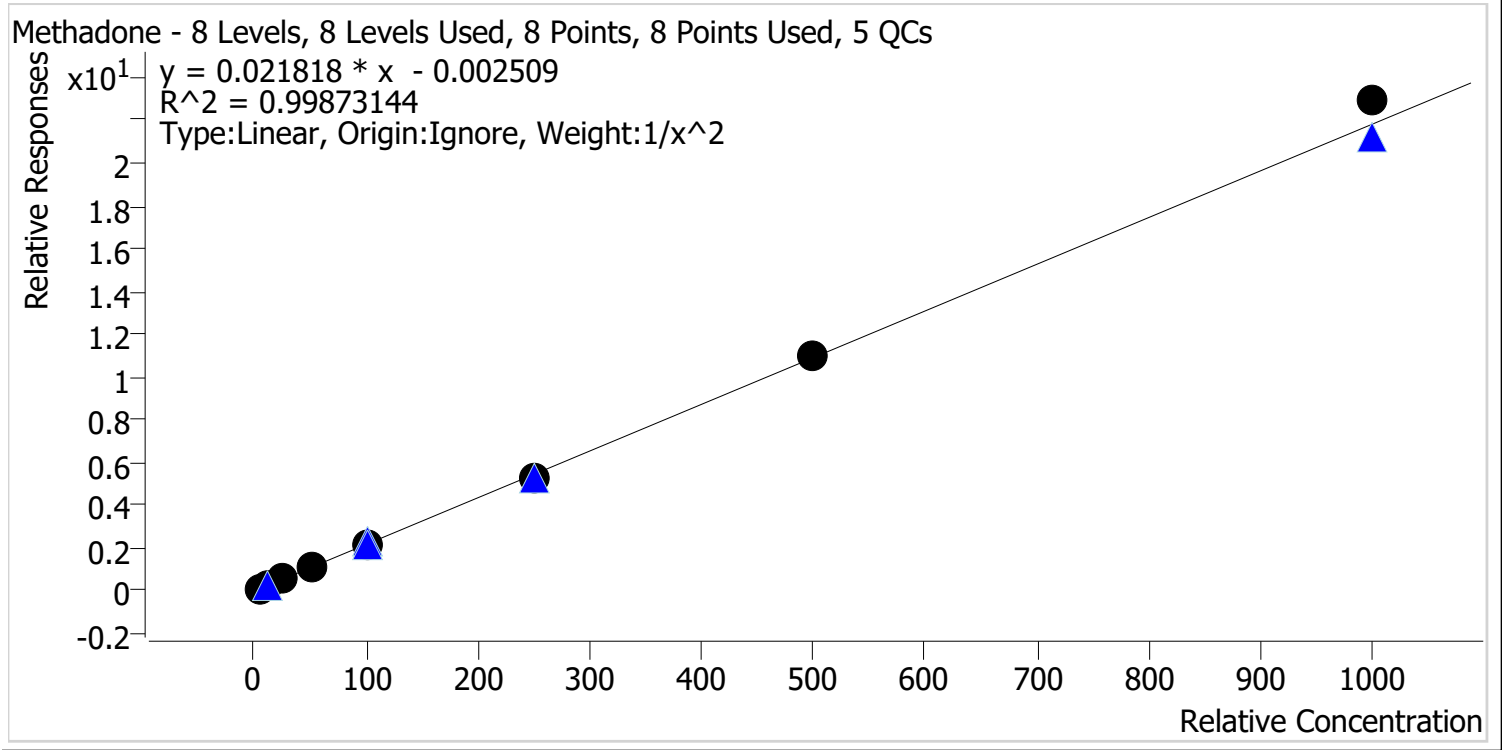
Cal 7 and 8 dropped due to linearity

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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	102.2
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	241.9	96.8
p1 Cal 7-500ng	7	✓	500.0	505.7	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1050.6	105.1

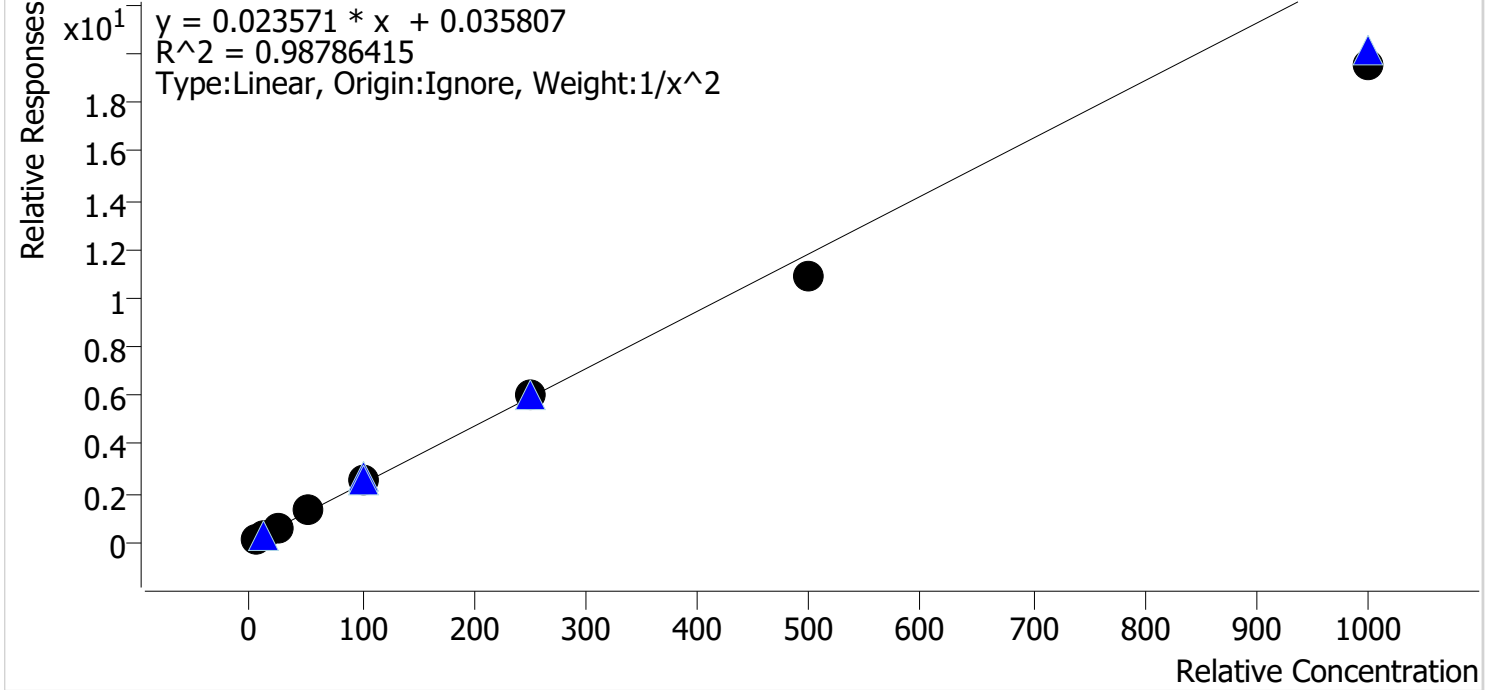


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11

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



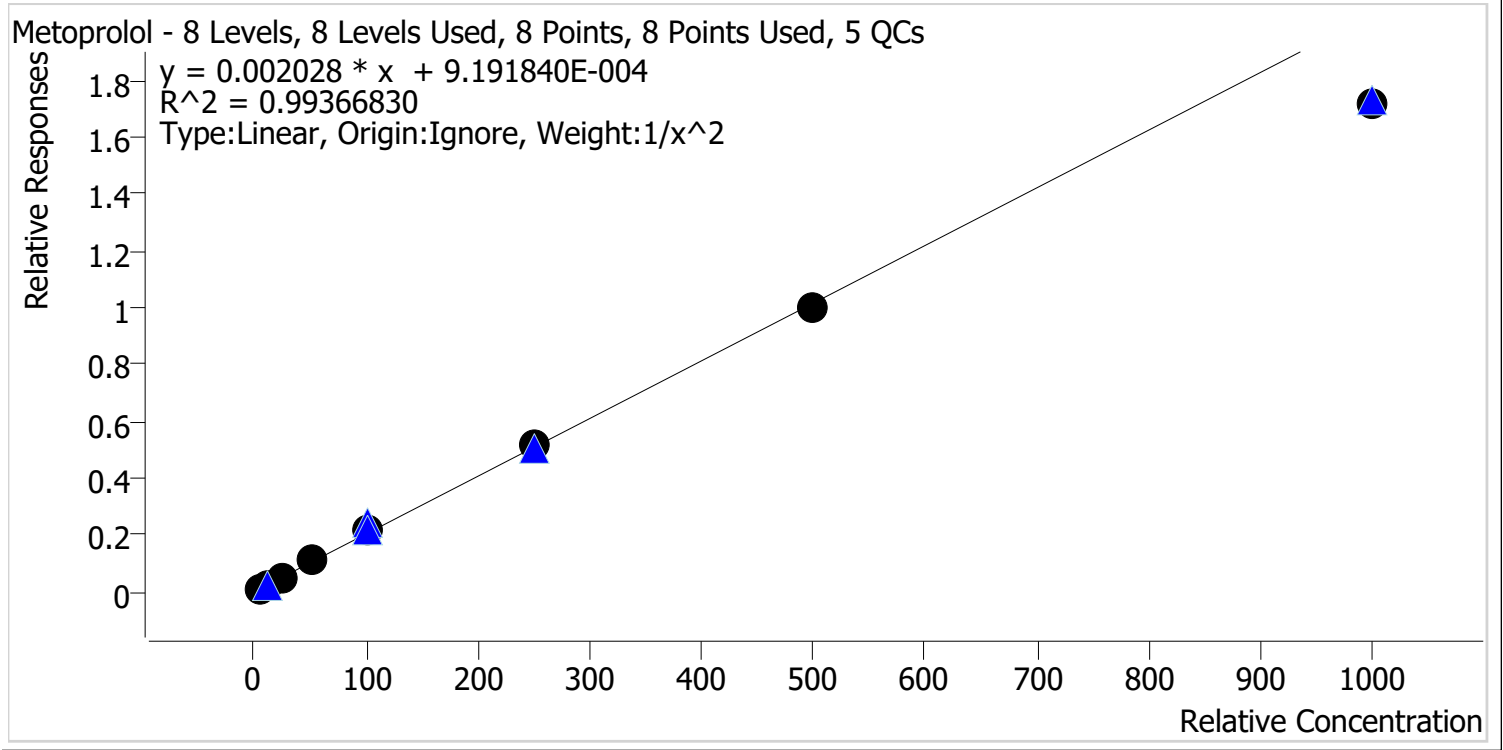
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	57.4	114.9
p1 Cal 5-100ng	5	✓	100.0	107.0	107.0
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	463.4	92.7
p1 Cal 8-1000ng	8	✓	1000.0	827.9	82.8

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	53.5	107.1
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	256.6	102.6
p1 Cal 7-500ng	7	✓	500.0	490.3	98.1
p1 Cal 8-1000ng	8	✓	1000.0	848.8	84.9

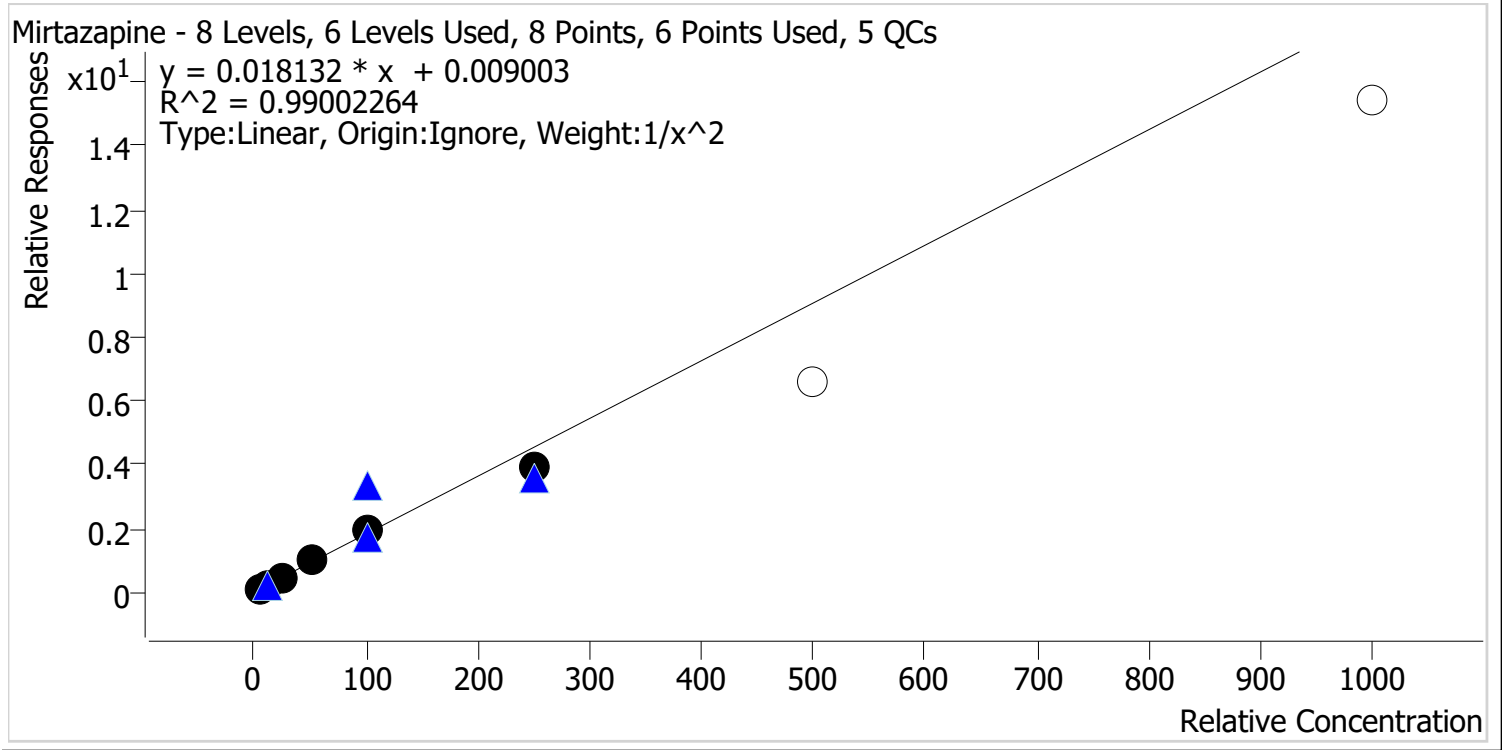


TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	214.7	85.9
p1 Cal 7-500ng	7	x	500.0	361.8	72.4
p1 Cal 8-1000ng	8	x	1000.0	850.5	85.1

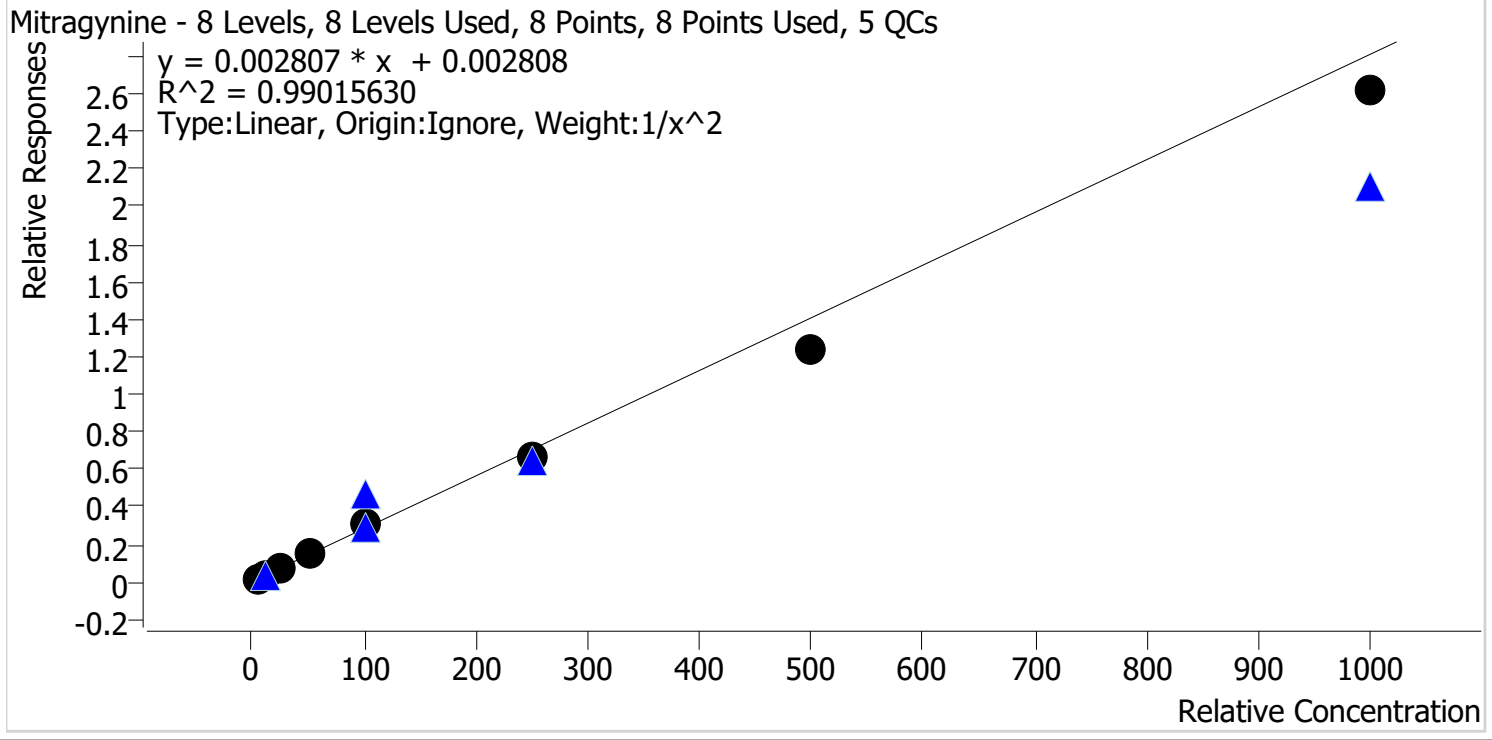
Cal 7 and 8 dropped due to linearity

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



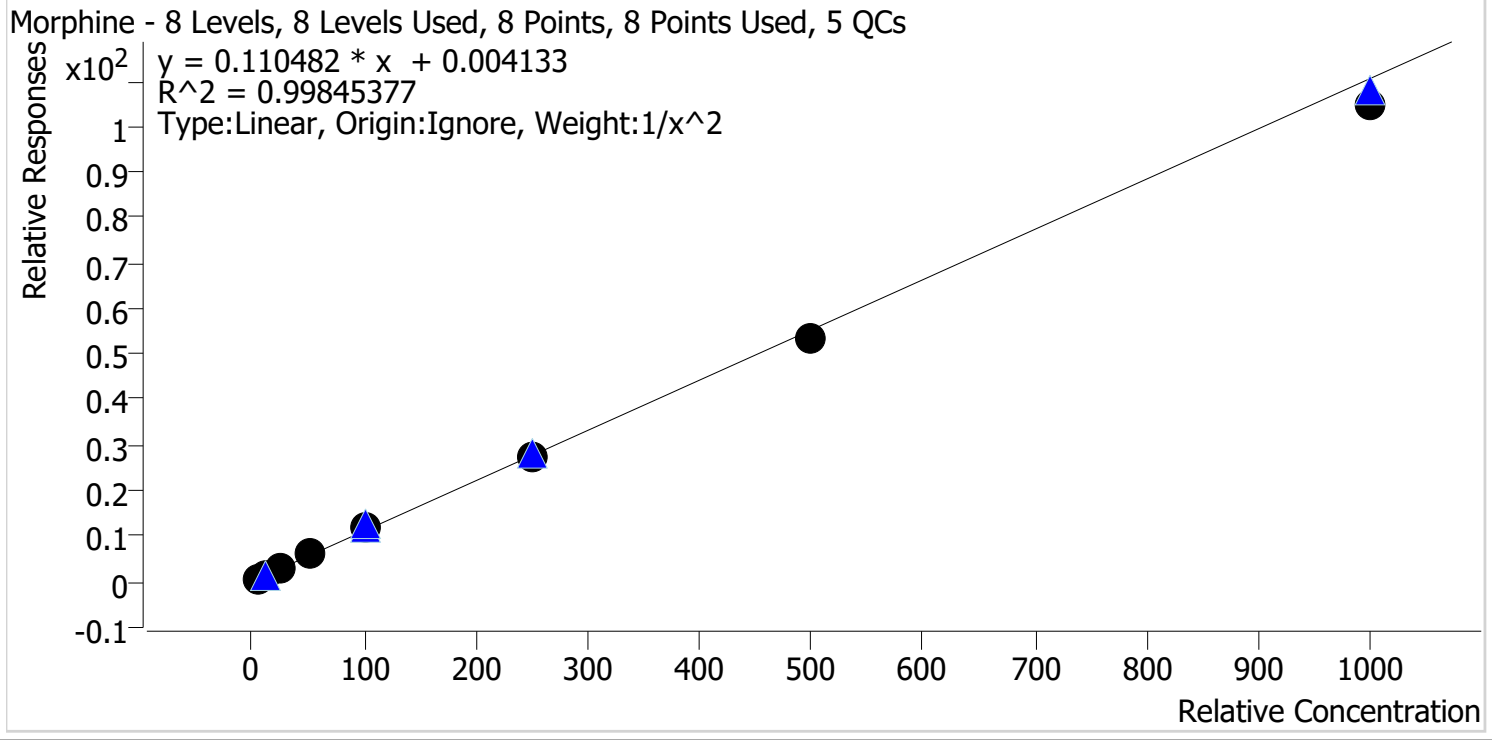
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	28.0	111.9
p1 Cal 4-50ng	4	✓	50.0	54.5	108.9
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	236.4	94.6
p1 Cal 7-500ng	7	✓	500.0	436.7	87.3
p1 Cal 8-1000ng	8	✓	1000.0	931.1	93.1

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



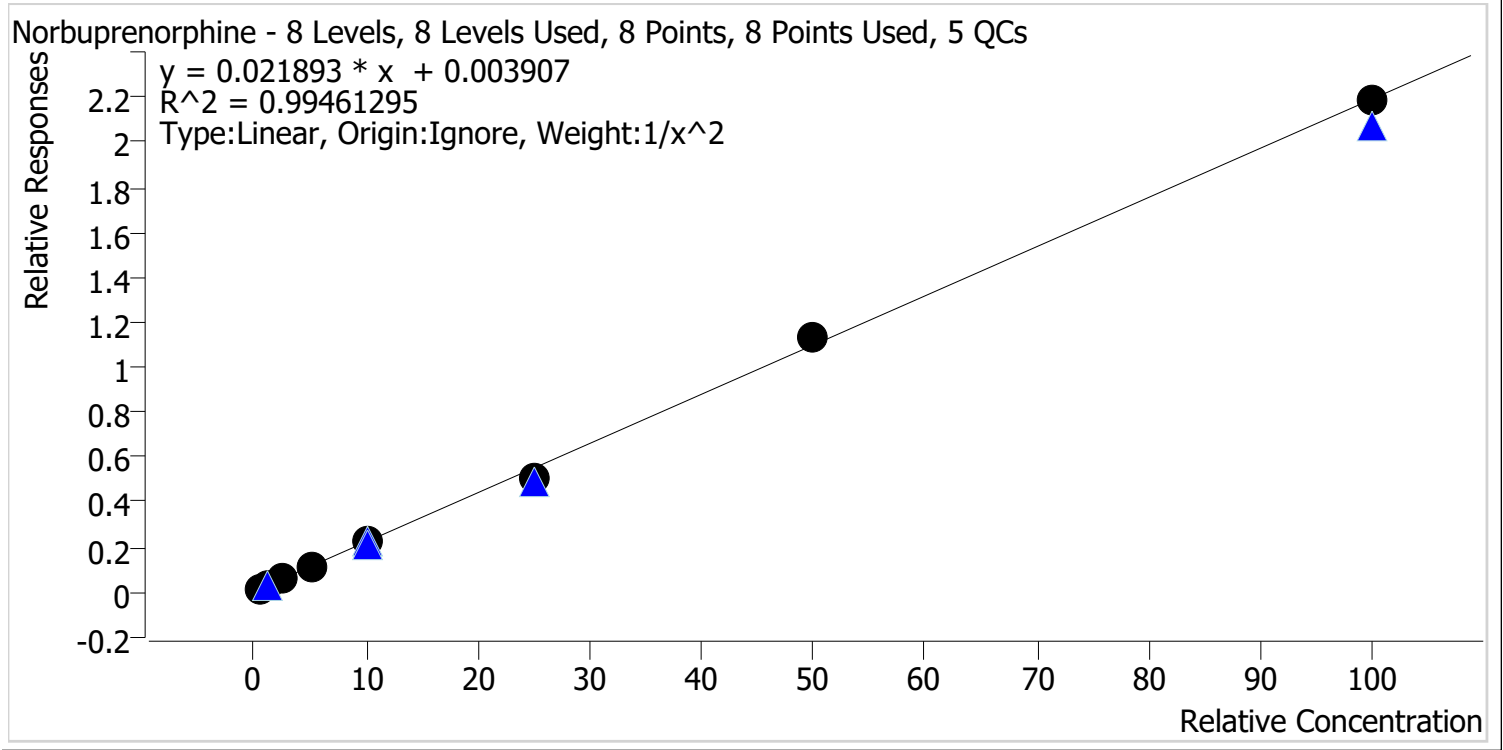
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.2
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	484.7	96.9
p1 Cal 8-1000ng	8	✓	1000.0	951.1	95.1

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



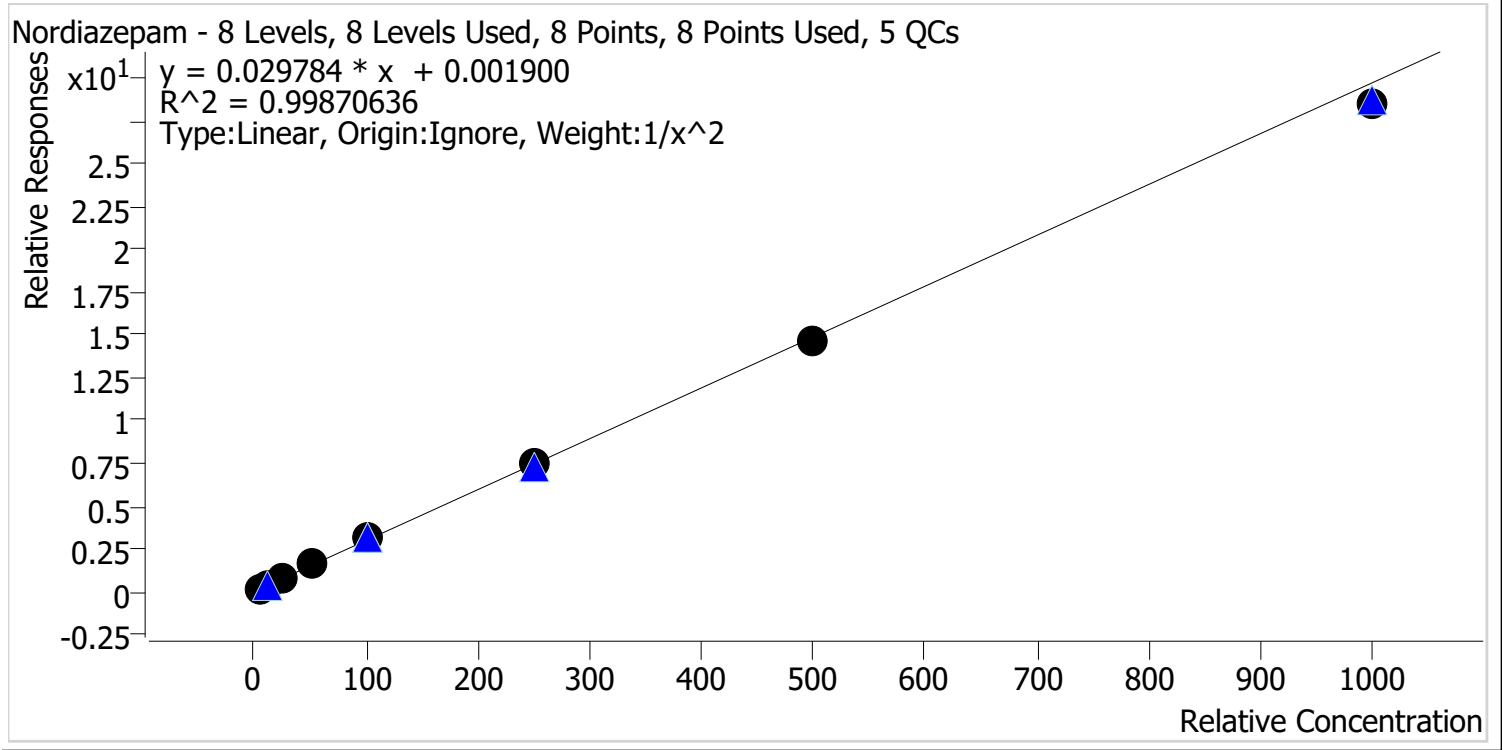
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	95.7
p1 Cal 2-10ng	2	✓	1.0	1.1	105.9
p1 Cal 3 -25ng	3	✓	2.5	2.8	110.9
p1 Cal 4-50ng	4	✓	5.0	4.6	92.9
p1 Cal 5-100ng	5	✓	10.0	9.9	99.3
p1 Cal 6-250ng	6	✓	25.0	23.2	92.6
p1 Cal 7-500ng	7	✓	50.0	51.5	103.0
p1 Cal 8-1000ng	8	✓	100.0	99.7	99.7



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5



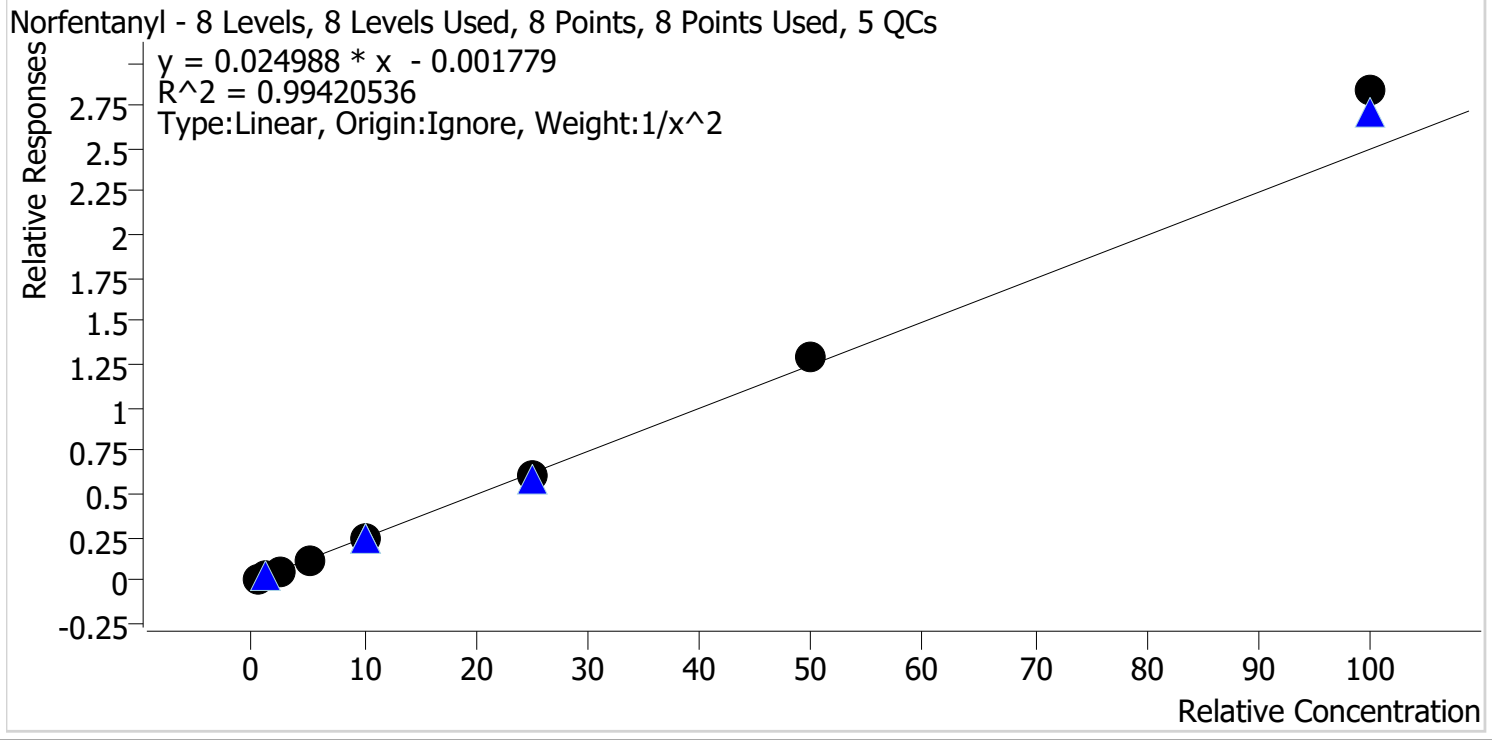
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	52.6	105.3
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	494.0	98.8
p1 Cal 8-1000ng	8	✓	1000.0	957.3	95.7

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



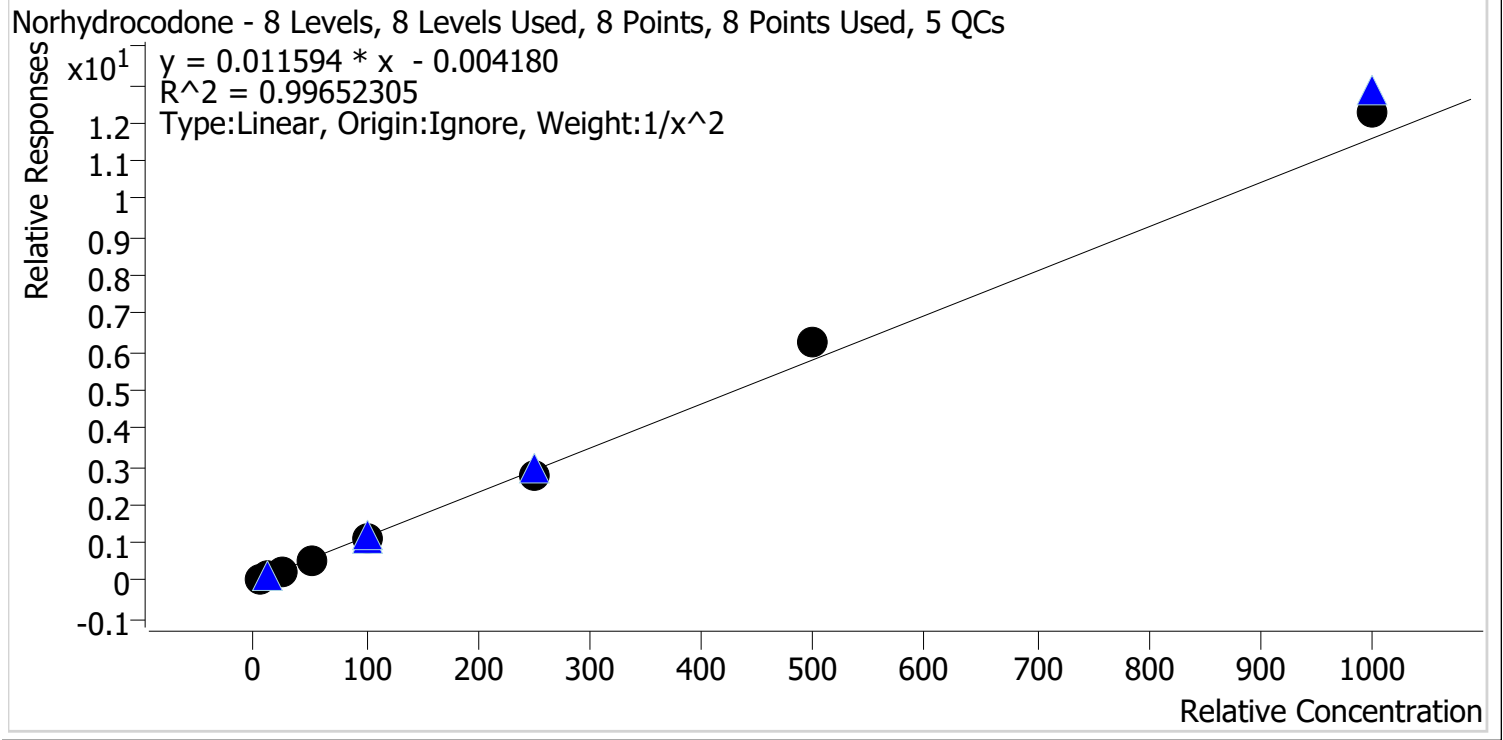
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.9
p1 Cal 2-10ng	2	✓	1.0	1.0	97.7
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.9
p1 Cal 4-50ng	4	✓	5.0	4.8	96.8
p1 Cal 5-100ng	5	✓	10.0	9.4	94.0
p1 Cal 6-250ng	6	✓	25.0	24.3	97.0
p1 Cal 7-500ng	7	✓	50.0	52.1	104.1
p1 Cal 8-1000ng	8	✓	100.0	113.6	113.6

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



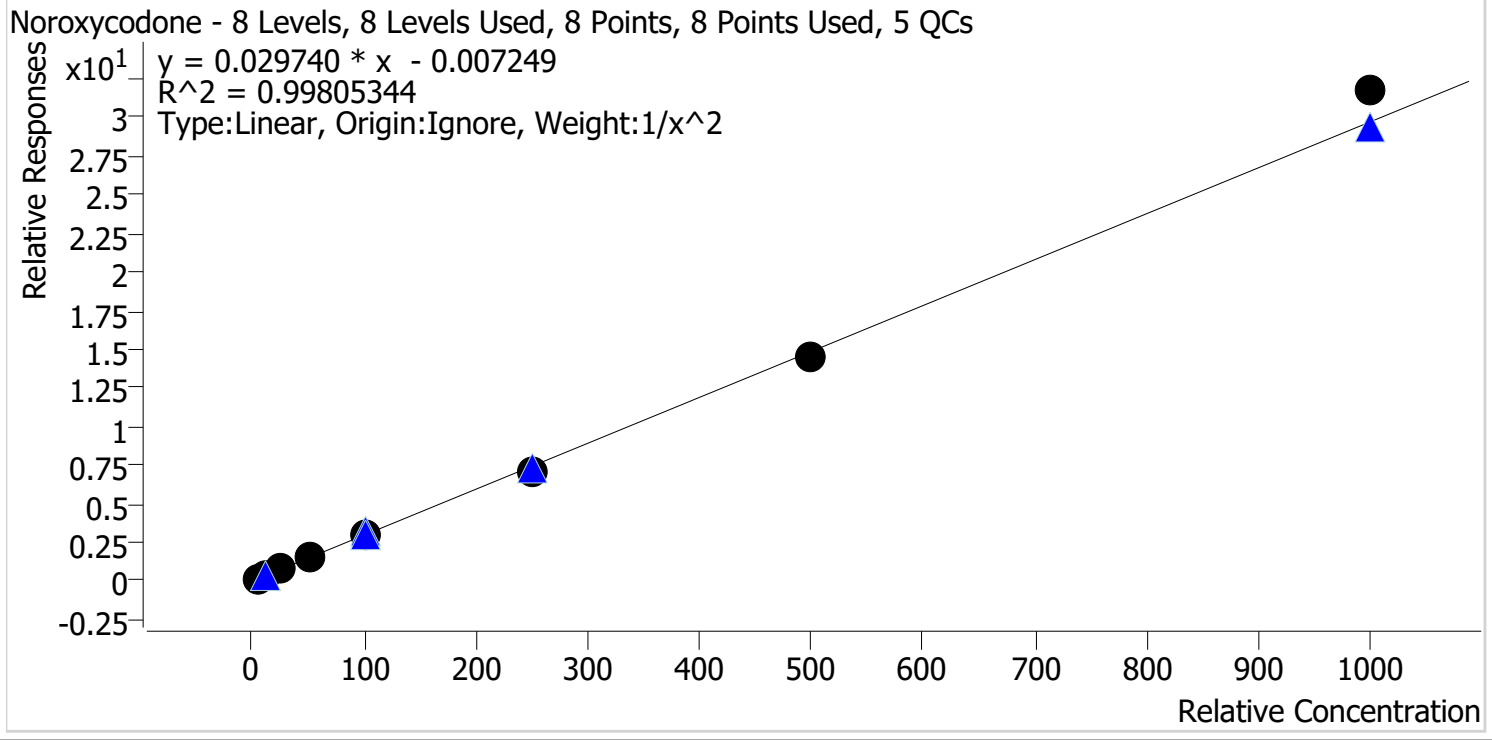
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.1
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	238.0	95.2
p1 Cal 7-500ng	7	✓	500.0	540.4	108.1
p1 Cal 8-1000ng	8	✓	1000.0	1059.3	105.9

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	239.4	95.8
p1 Cal 7-500ng	7	✓	500.0	490.8	98.2
p1 Cal 8-1000ng	8	✓	1000.0	1068.1	106.8

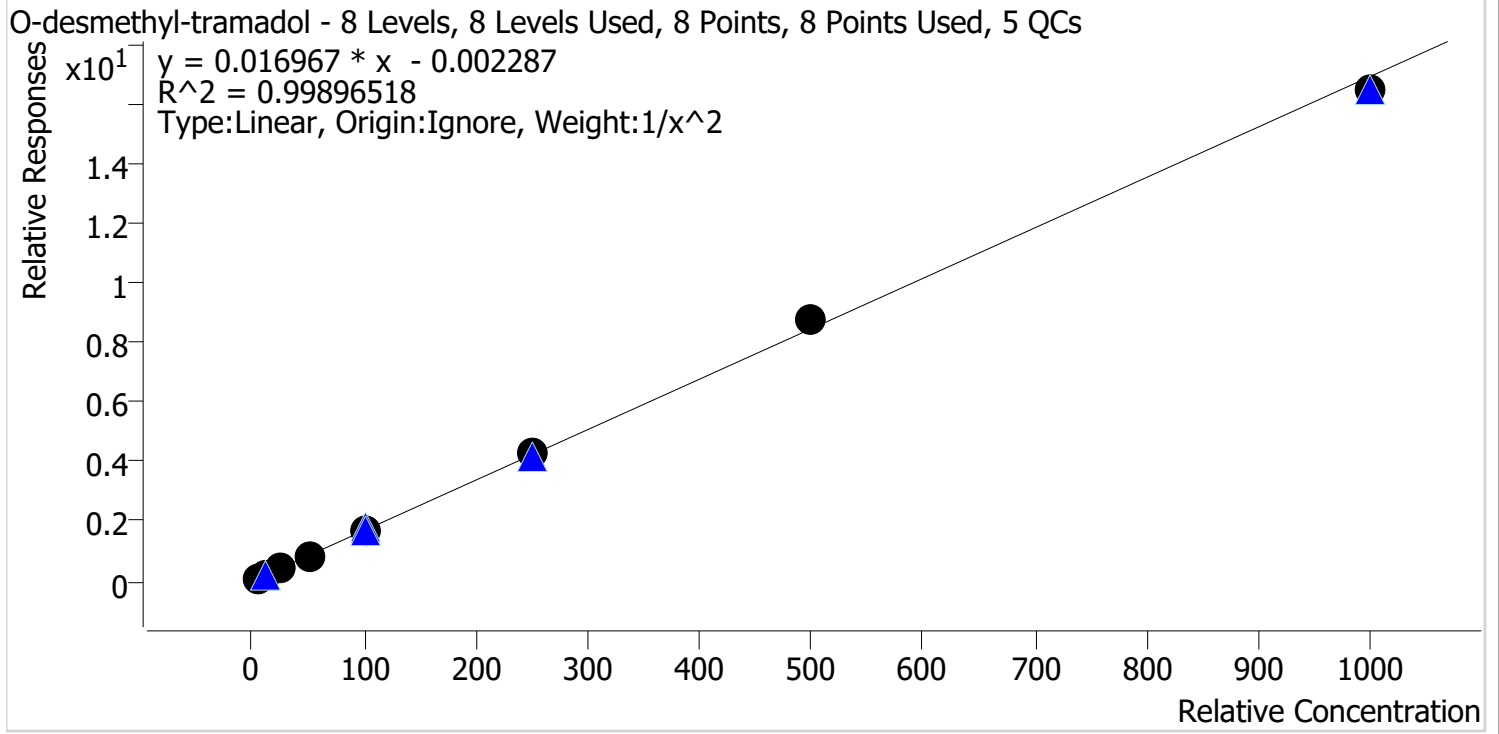




TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



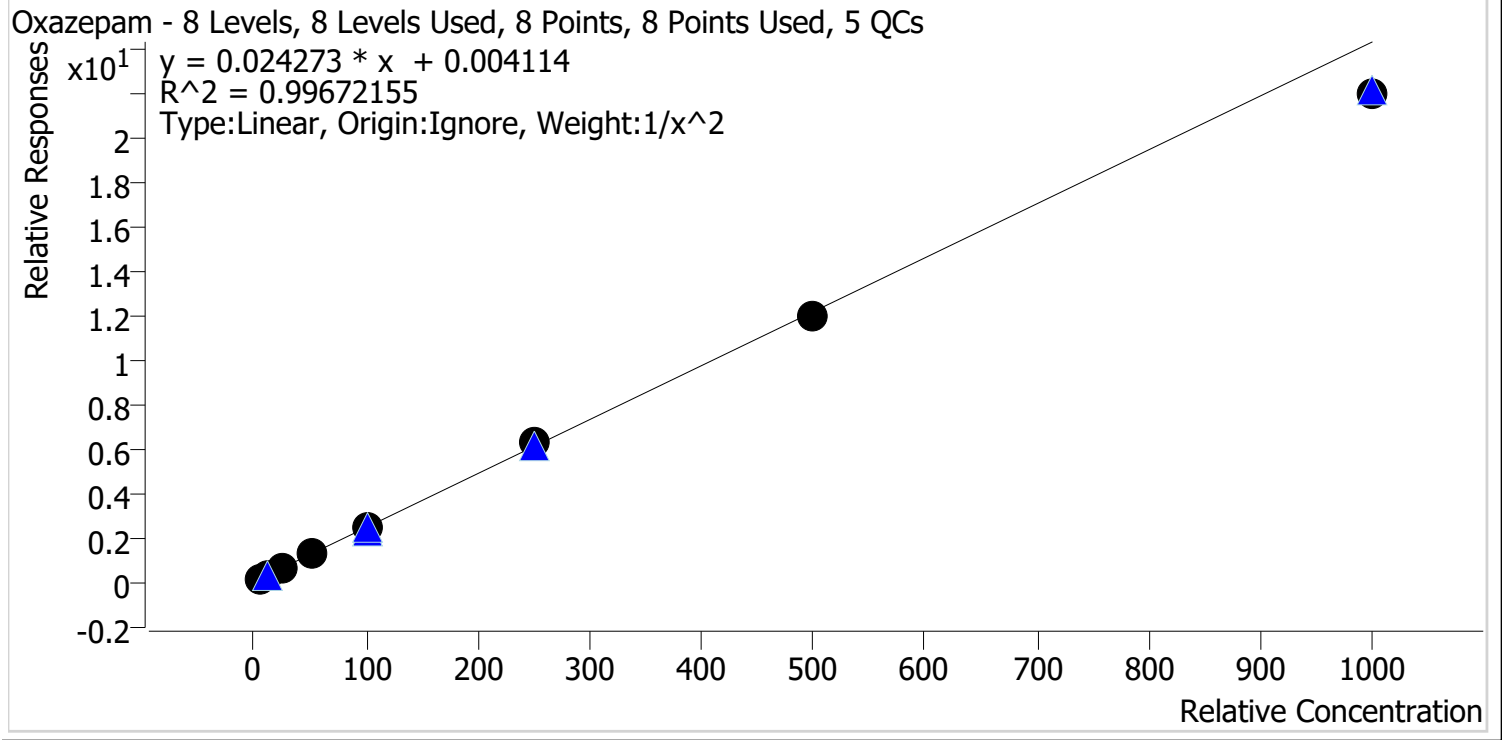
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	515.9	103.2
p1 Cal 8-1000ng	8	✓	1000.0	972.8	97.3

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam Internal Standard Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	255.1	102.1
p1 Cal 7-500ng	7	✓	500.0	494.9	99.0
p1 Cal 8-1000ng	8	✓	1000.0	901.1	90.1

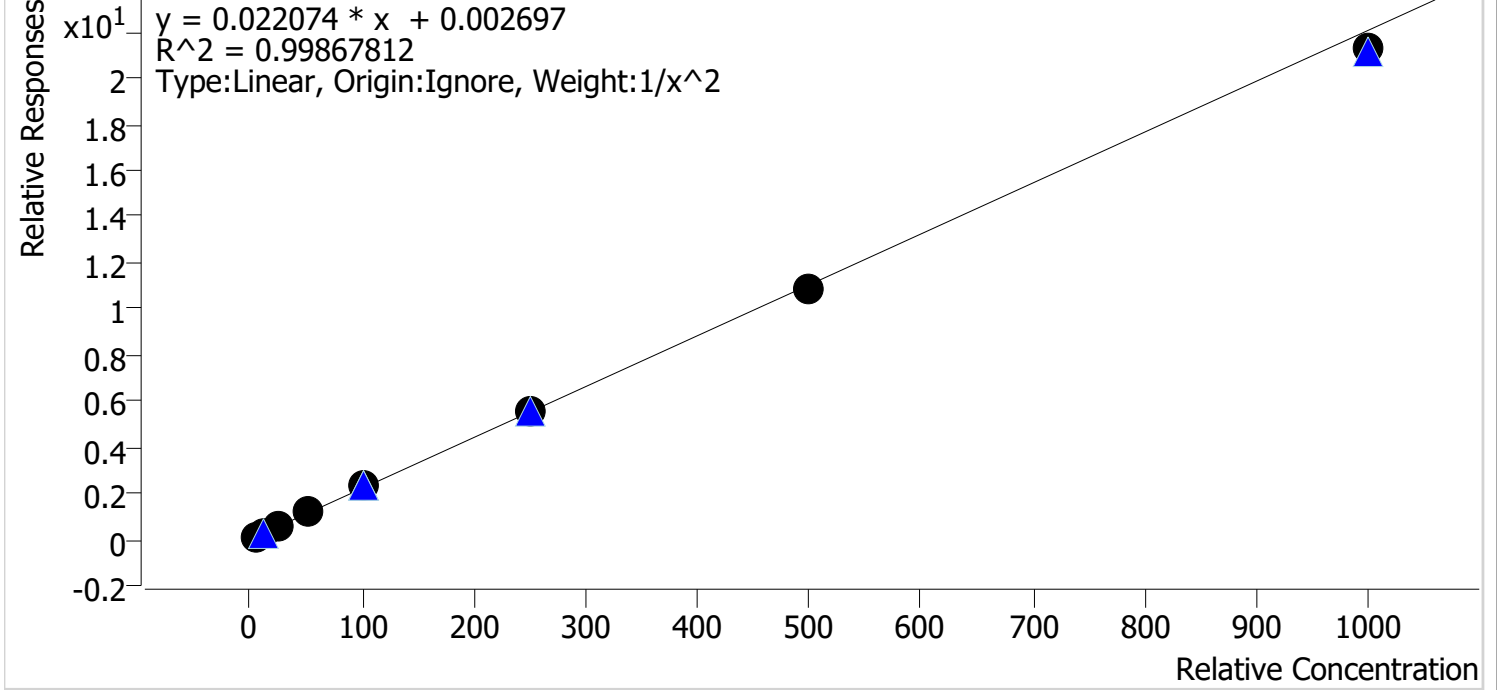


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	488.5	97.7
p1 Cal 8-1000ng	8	✓	1000.0	964.1	96.4

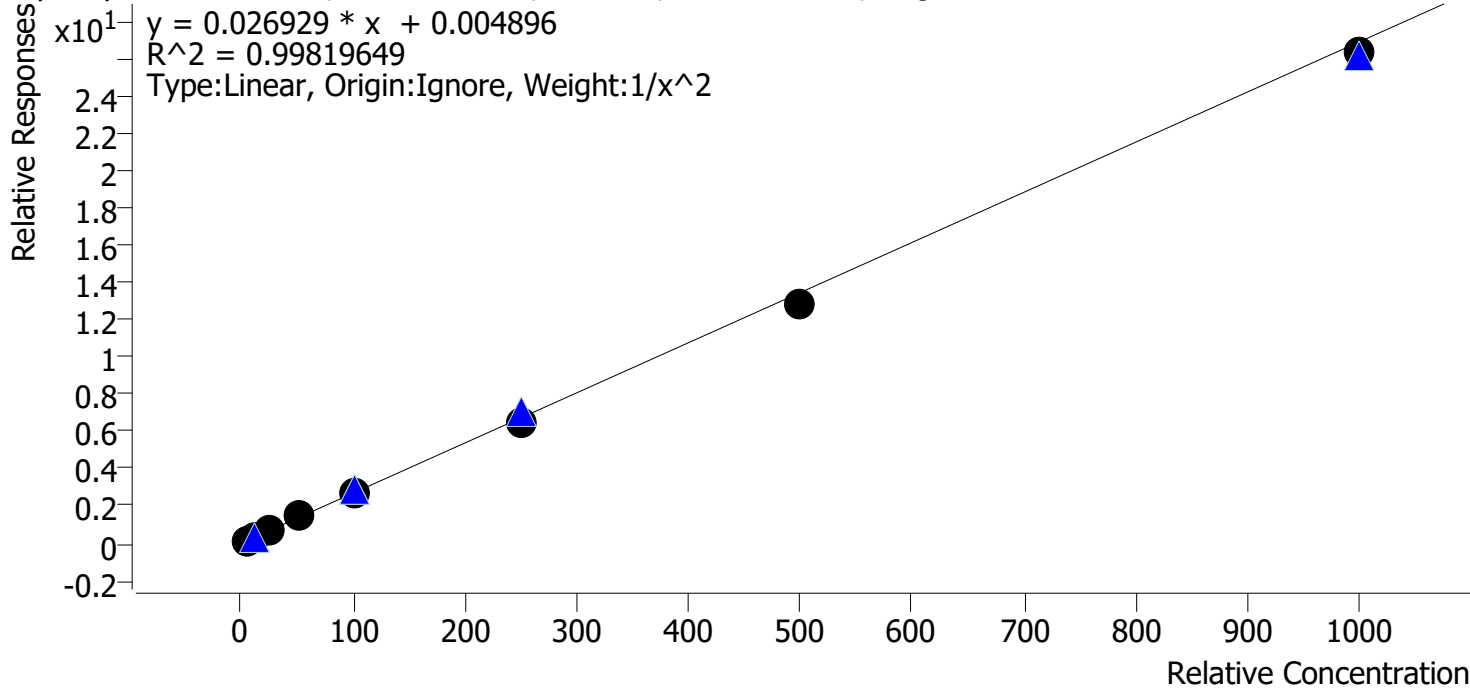


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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



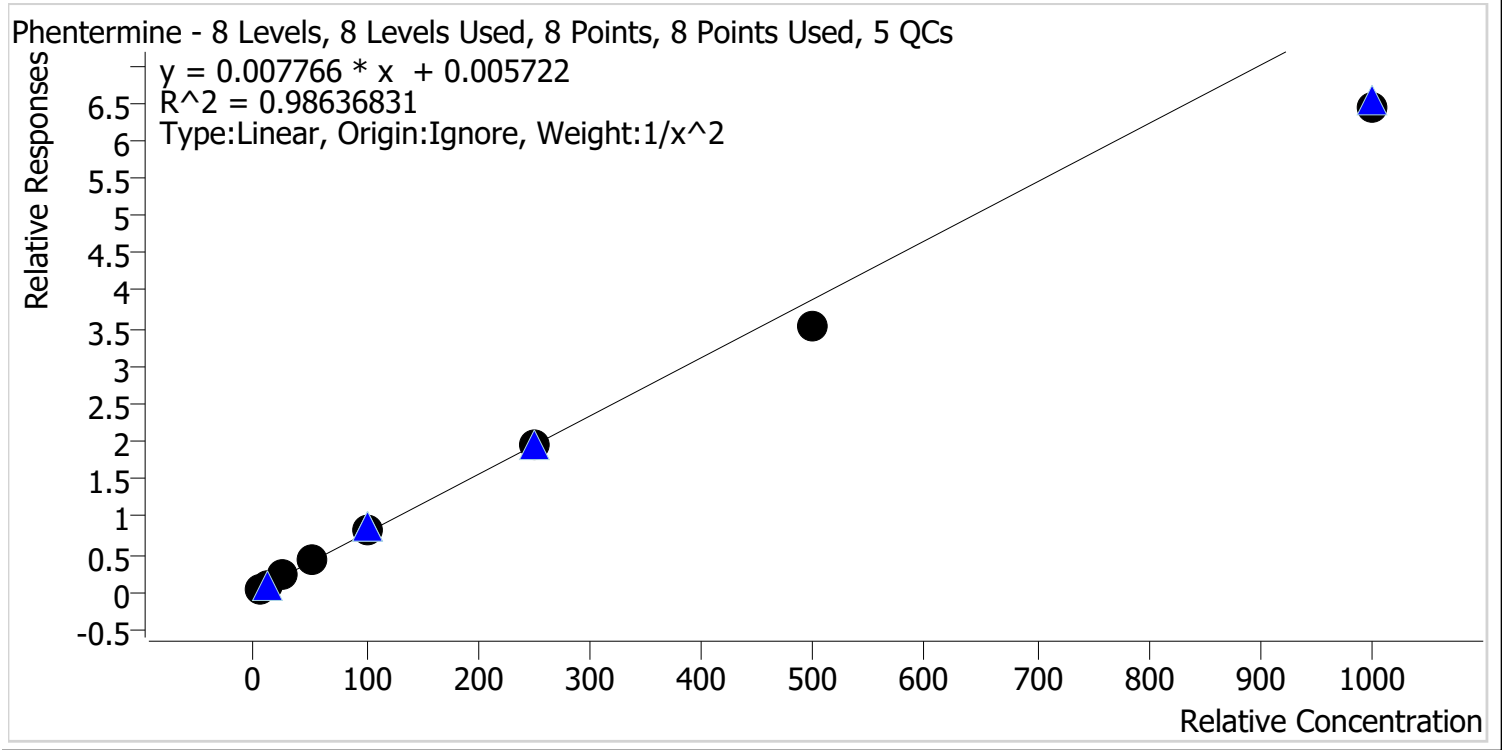
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	243.2	97.3
p1 Cal 7-500ng	7	✓	500.0	477.6	95.5
p1 Cal 8-1000ng	8	✓	1000.0	978.7	97.9

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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	95.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	57.4	114.8
p1 Cal 5-100ng	5	✓	100.0	107.5	107.5
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	452.5	90.5
p1 Cal 8-1000ng	8	✓	1000.0	828.1	82.8

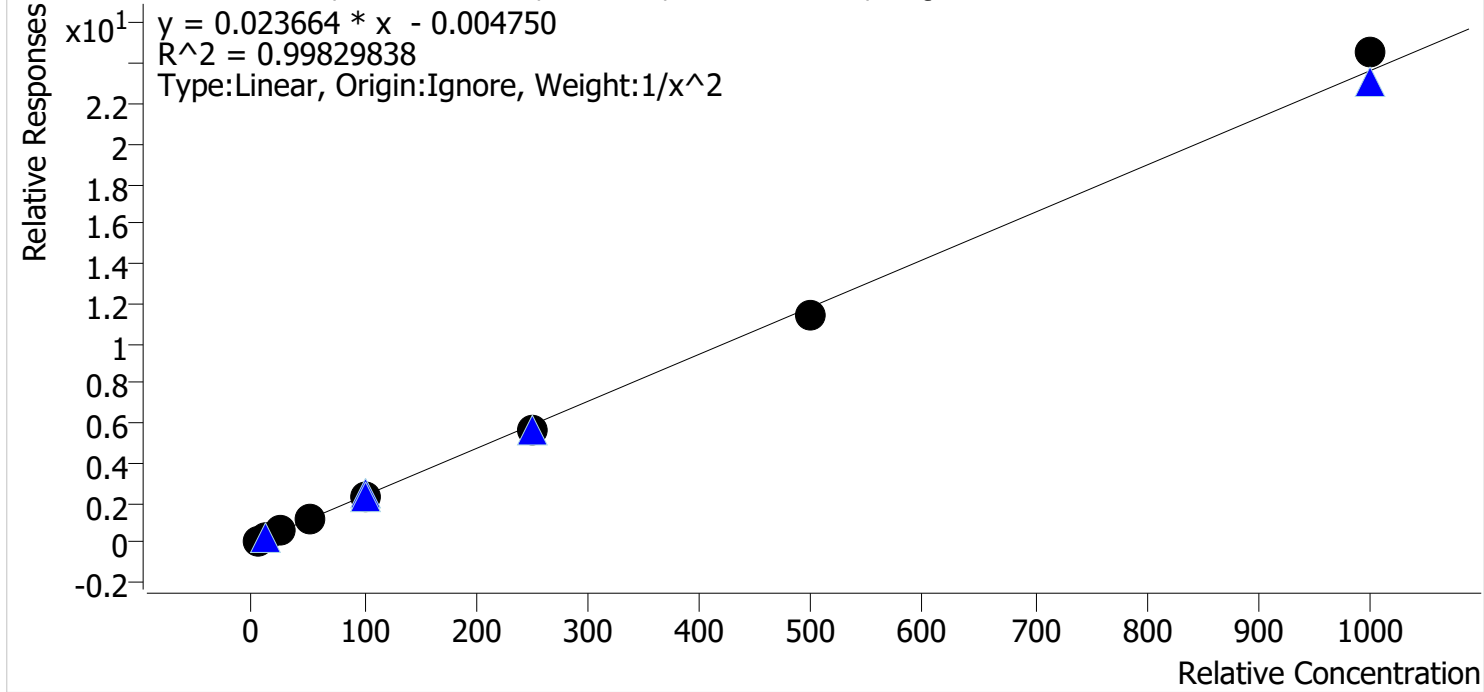


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	239.8	95.9
p1 Cal 7-500ng	7	✓	500.0	483.3	96.7
p1 Cal 8-1000ng	8	✓	1000.0	1038.3	103.8

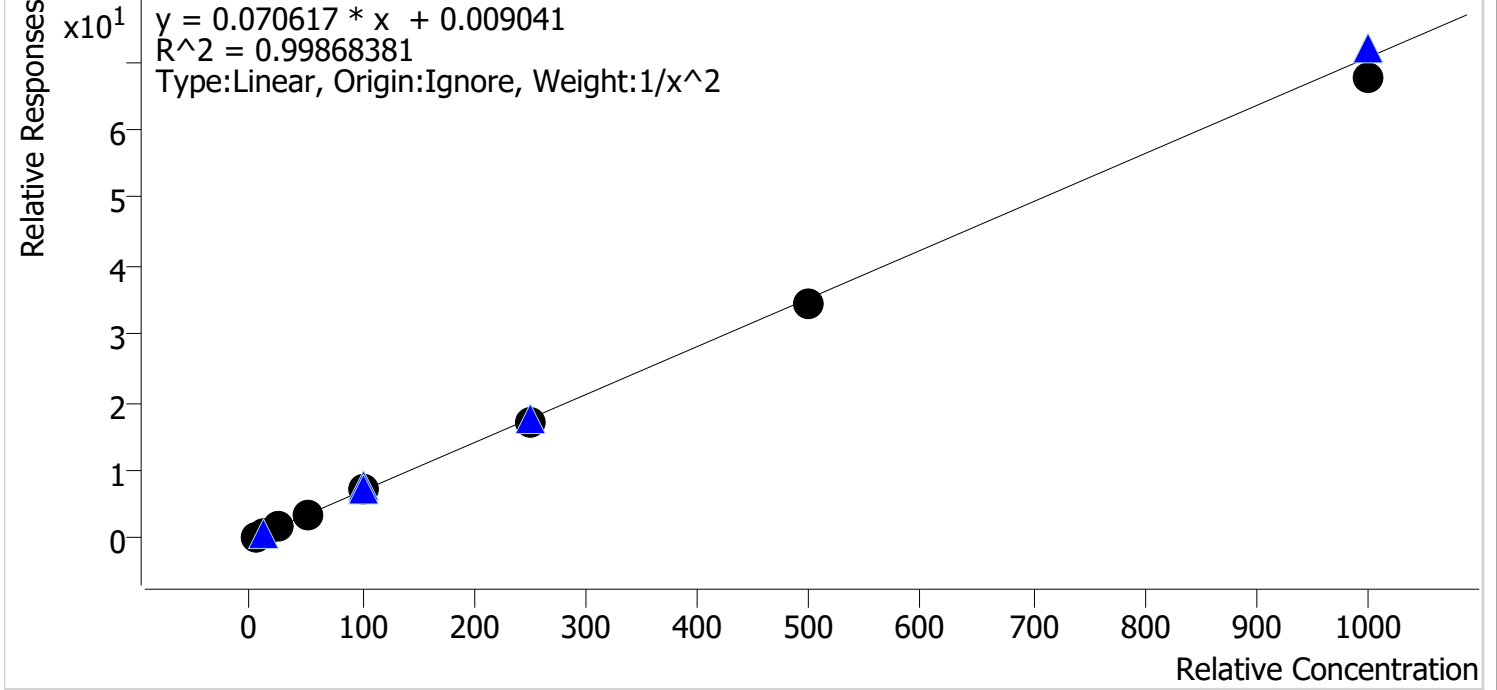


TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

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



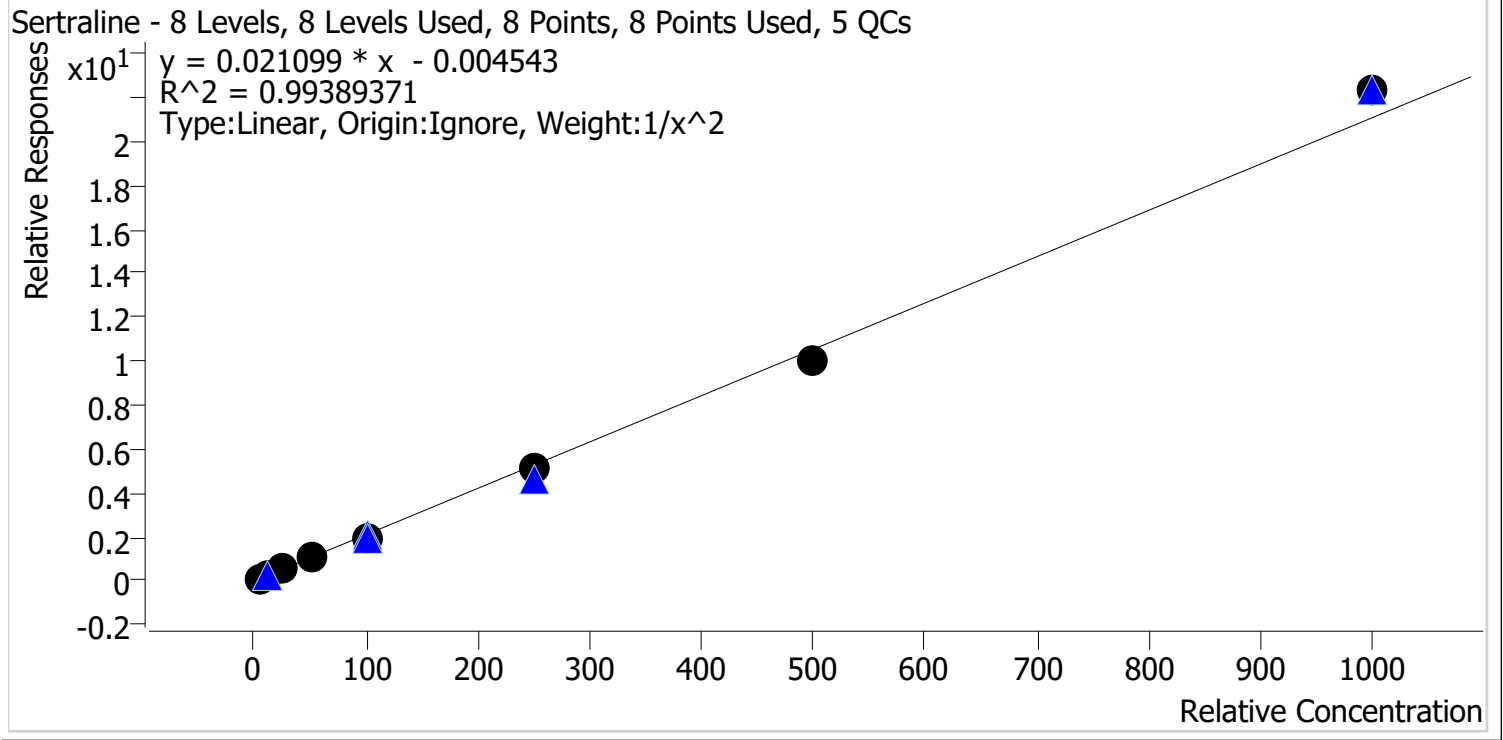
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	243.2	97.3
p1 Cal 7-500ng	7	✓	500.0	491.7	98.3
p1 Cal 8-1000ng	8	✓	1000.0	957.9	95.8



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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	4.8	95.3
p1 Cal 2-10ng	2	✓	10.0	11.1	111.2
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.2
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	93.9	93.9
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	475.8	95.2
p1 Cal 8-1000ng	8	✓	1000.0	1058.6	105.9

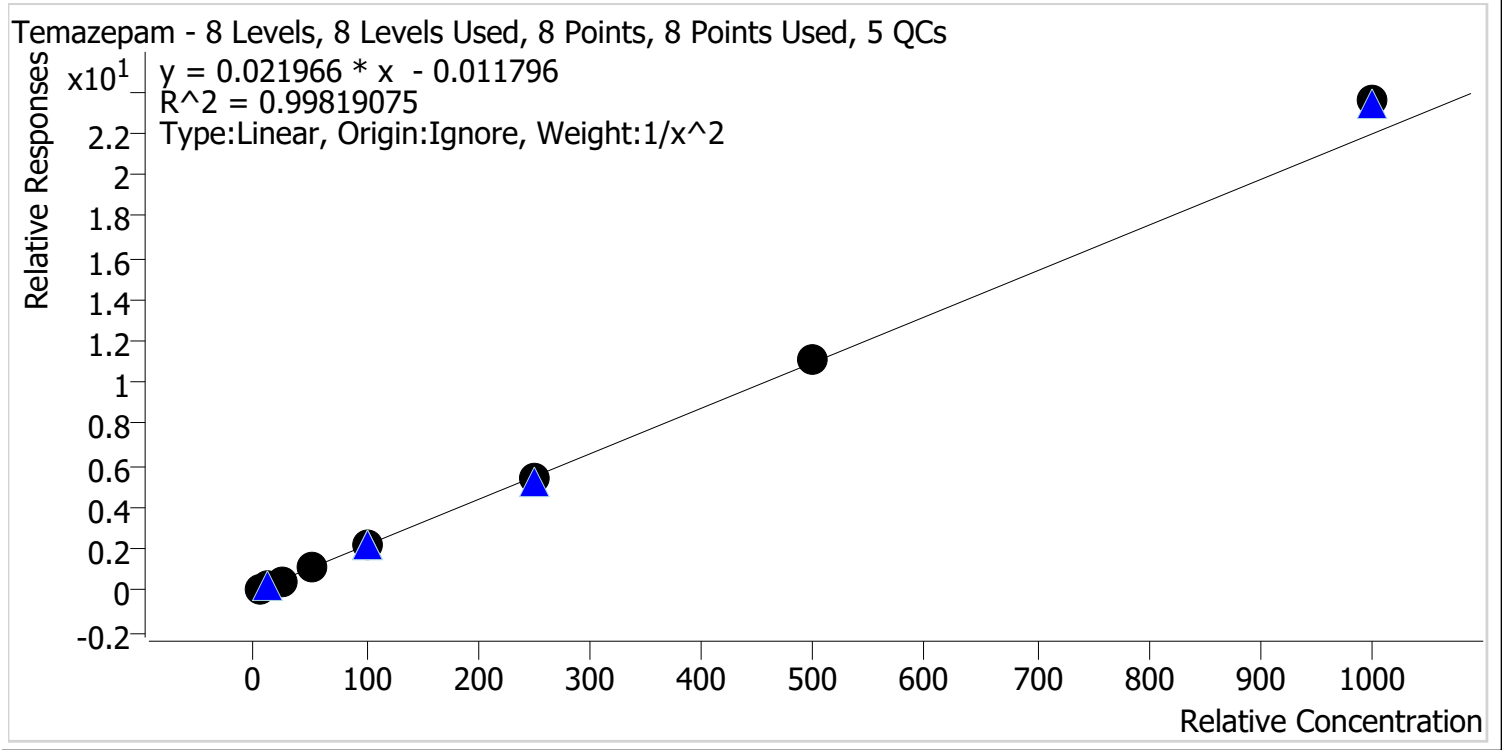


TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



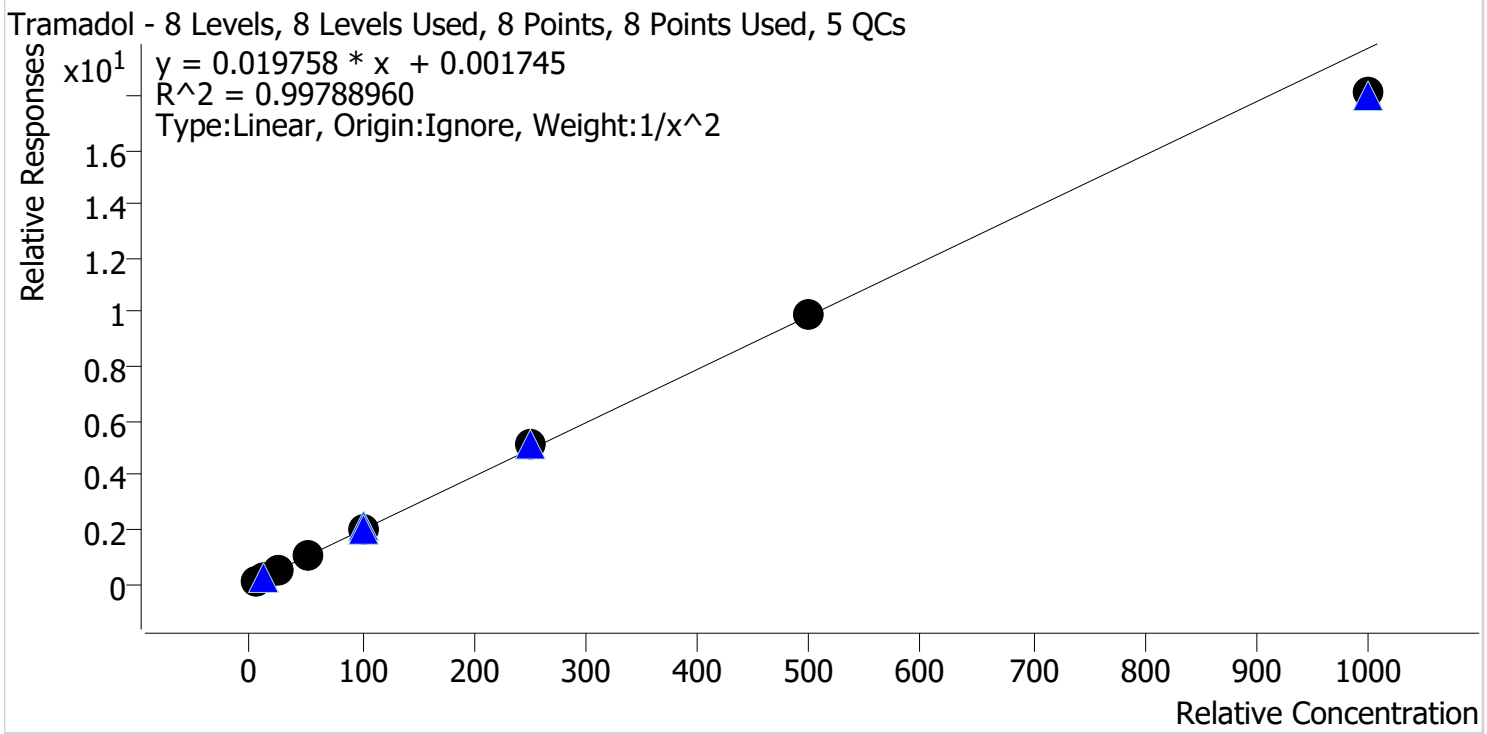
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	509.2	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1072.8	107.3



TS

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

Batch results D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
 Last Cal. Update 3/24/2021 3:12 PM  
 Analyst Name ISP\Datastor  
 Analyte Tramadol Internal Standard Tramadol-13C-D3



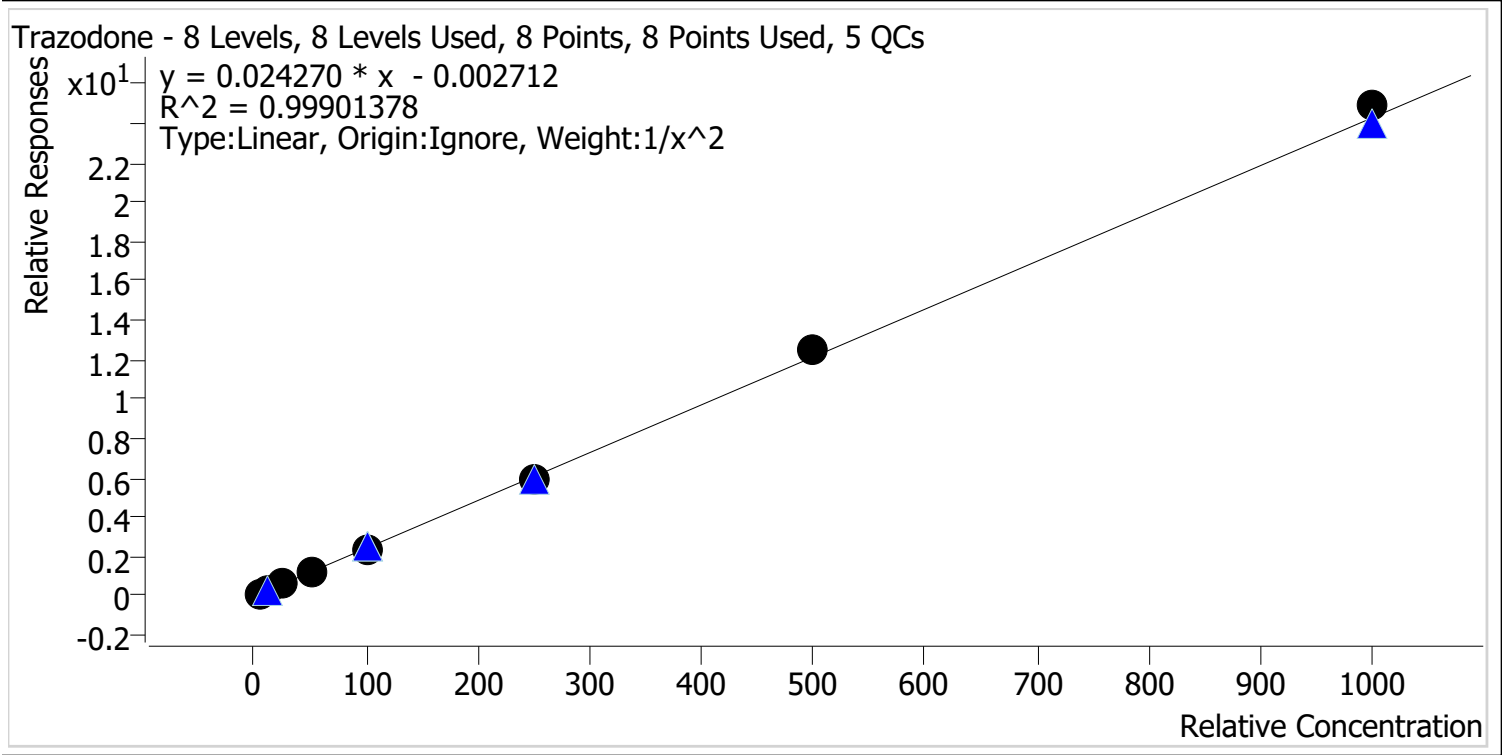
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	52.8	105.5
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	257.6	103.0
p1 Cal 7-500ng	7	✓	500.0	503.0	100.6
p1 Cal 8-1000ng	8	✓	1000.0	917.0	91.7



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



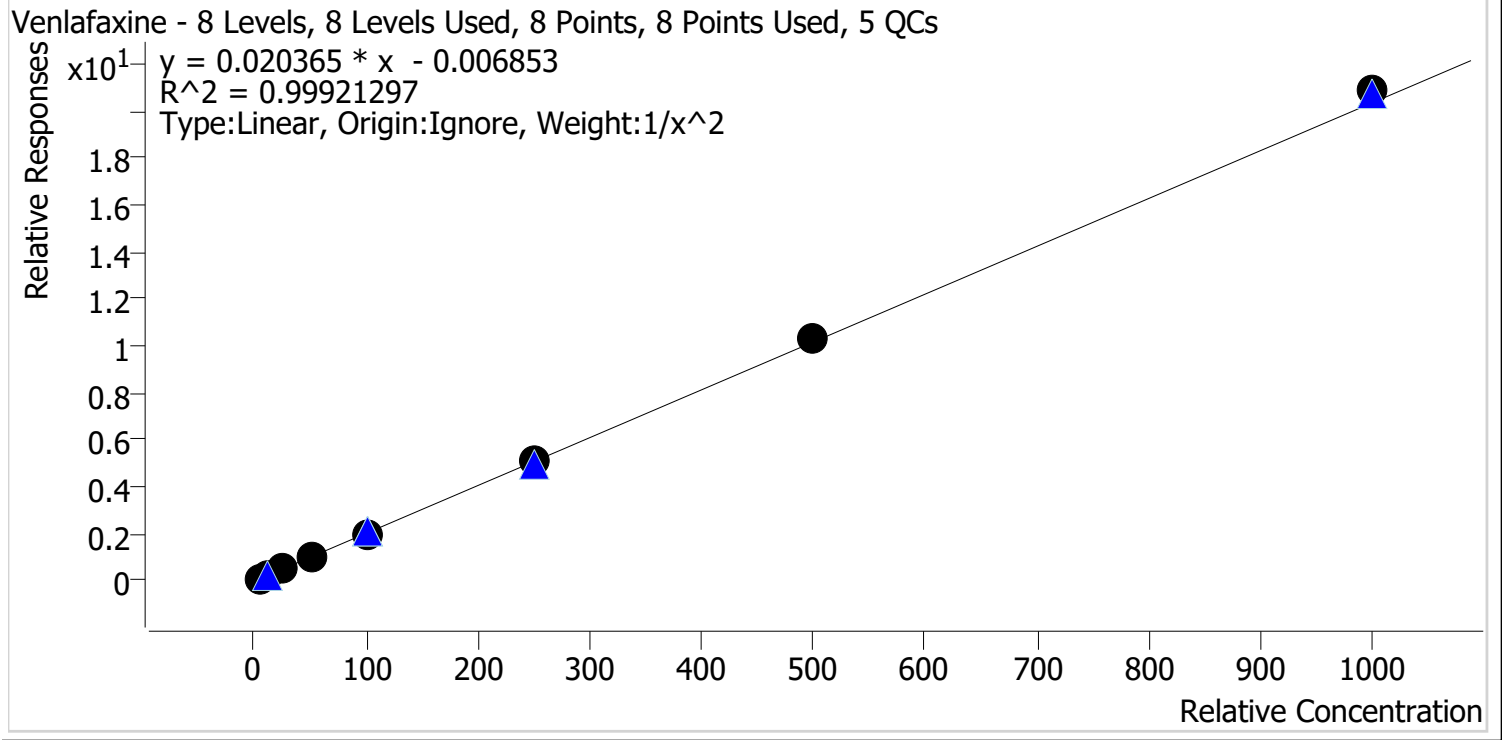
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	244.9	97.9
p1 Cal 7-500ng	7	✓	500.0	517.0	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1025.6	102.6



TS

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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 PM  
**Analyst Name** ISP\Datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



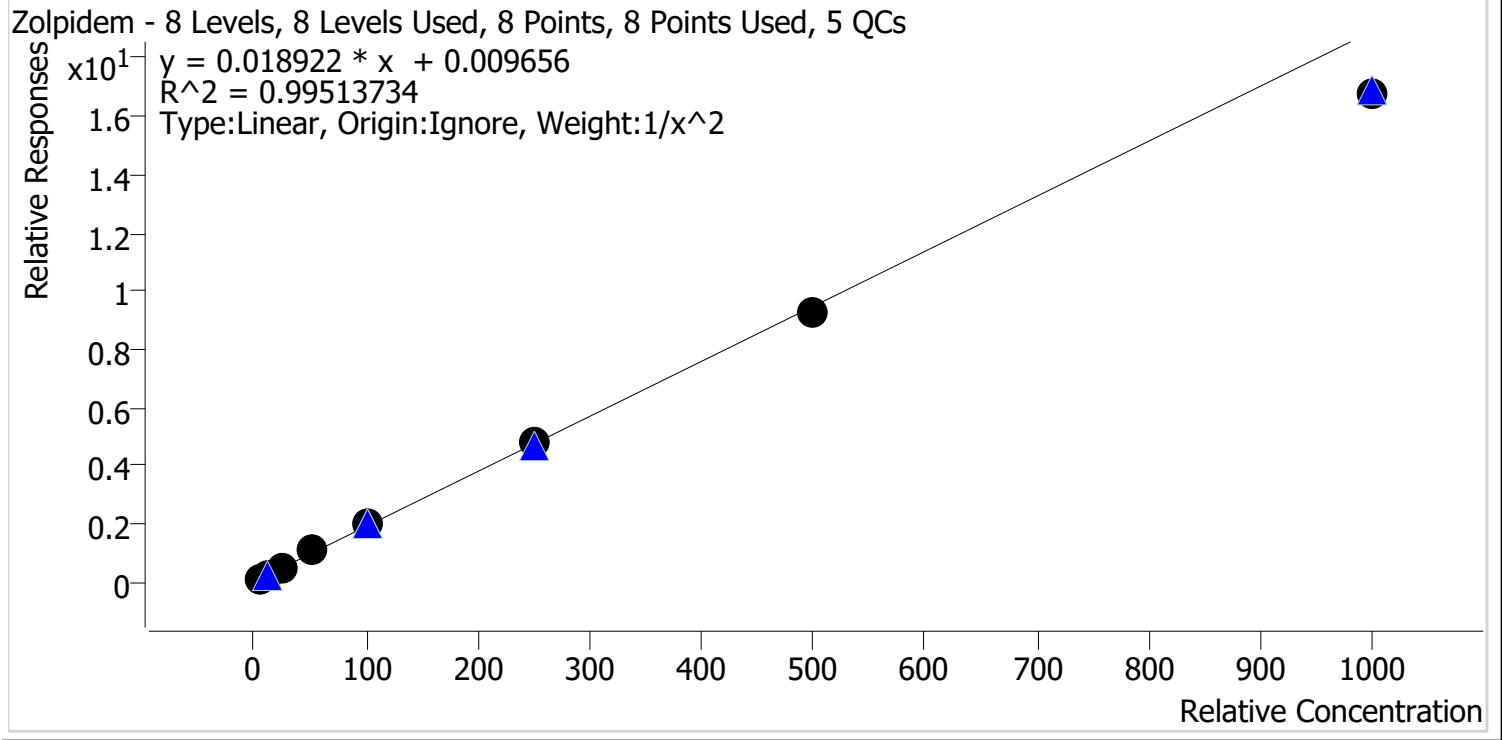
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	511.3	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1025.6	102.6

TS



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

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Last Cal. Update** 3/24/2021 3:12 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	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	55.2	110.5
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	487.1	97.4
p1 Cal 8-1000ng	8	✓	1000.0	888.8	88.9

# AM #28 Multi-Drug Quant. Results

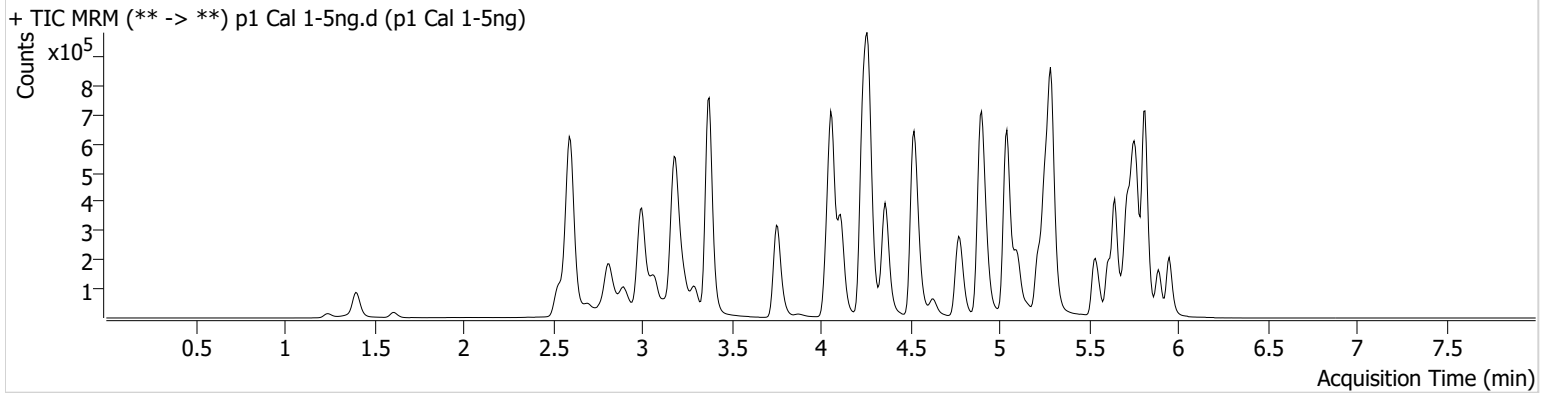
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 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>	Tamara Salazar
<b>Sample Position</b>	P6-A1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	3/19/2021 8:16:18 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	1954	507.17	74.3	4205.52	101573	0.5113 ng/ml
7-aminoclonazepam	4.278	32109	2956.57	77.2	388.25	242689	5.1464 ng/ml
a-hydroxyalprazolam	5.699	21342	677.34	59.9	8289.53	476854	4.8480 ng/ml
alpha-PHP	4.937	28341	527.56	274.5	1232.39	947305	4.9171 ng/ml
alpha-PVP	4.370	107877	6049.48	52.8	1376.54	947305	5.0954 ng/ml
Alprazolam	5.775	67050	532.13	110.9	1395.89	476854	5.0887 ng/ml
Amphetamine	3.076	208026	1690.52	47.9	948.68	422821	4.7770 ng/ml
Buprenorphine	5.819	1533	13.37	15.6	205.14	120181	0.4838 ng/ml
Bupropion	4.795	105184	281.98	61.0	511.44	734334	5.0748 ng/ml
Carisoprodol	5.724	67581	34628.06	56.9	262.60	691561	5.1071 ng/ml
Citalopram	5.219	55598	6787.94	41.2	890.50	512000	5.0667 ng/ml
Clonazepam	5.612	76821	155.20	33.1	42836.24	187258	4.9514 ng/ml
Clonazolam	5.555	50900	14040.38	37.9	27258.34	187258	5.0274 ng/ml
Cocaine	4.264	82569	205.56	52.3	7513.90	1578541	5.0200 ng/ml
Codeine	2.587	9573	19655.30	102.7	14323.47	94698	4.7389 ng/ml
Cyclobenzaprine	5.615	11355	12924.08	10.7	29.29	97009	5.0263 ng/ml
Dextromethorphan	<del>5.268</del>	26105	253.58	82.7	508.09	254987	4.9859 ng/ml
Dextrophan	4.111	30061	950.02	204.2	336.74	717289	5.0399 ng/ml
Diazepam	5.960	42216	297.30	87.8	252.54	388820	5.0851 ng/ml
Dihydrocodeine	2.565	23191	1905.09	68.2	331.56	280689	4.8406 ng/ml
Diphenhydramine	5.296	146621	4336.08	33.3	597.45	1748639	5.0847 ng/ml
Doxylamine	4.543	198096	768.54	98.1	626.28	1741829	5.0255 ng/ml
EDDP	5.261	84645	196.36	43.0	3225.32	851776	5.0981 ng/ml
Etizolam	5.813	40229	69853.37	27.0	6135.28	187258	5.1966 ng/ml
Fentanyl	5.109	2205	8.20 <b>Low</b>	78.7	2254.10	229407	0.4337 ng/ml
Flualprazolam	5.705	31065	12424.86	95.3	980.48	476854	5.0255 ng/ml
Fluoxetine	5.700	6943	114.17	10.5	634.58	56451	5.0023 ng/ml
Hydrocodone	3.025	37508	76.96	39.1	56.56	885308	4.9425 ng/ml
Hydromorphone	1.615	33545	376.67	78.4	2281.98	8446	4.9608 ng/ml
Ketamine	4.059	78954	4063.15	36.4	226.22	725380	4.9956 ng/ml
Lamotrigine	4.287	6934	208.83	84.4	221.76	725380	4.8742 ng/ml
Levetiracetam	2.697	31298	245.93	169.8	616.79	1869940	8.7899 ng/ml
Lorazepam	5.747	76694	894.43	53.4	90.23	187258	4.9086 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.209	137761	1362.21	25.2	182.85	690284	4.7879 ng/ml
MDMA	3.303	78655	119960.91	78.5	774.68	146225	5.0912 ng/ml
Meprobamate	4.931	42202	2166.77	28.6	∞	383327	4.8688 ng/ml
Methadone	5.646	82637	135270.57	49.4	197.52	758497	5.1085 ng/ml
Methamphetamine	3.238	167867	337.60	36.8	226.91	1115414	4.8658 ng/ml
Metoprolol	4.333	19590	2725.52	96.6	34670.88	1798127	4.9197 ng/ml
Mirtazapine	4.631	94903	1403.73	50.4	1276.91	947305	5.0287 ng/ml
Mitragynine	5.237	12285	1223.22	39.3	4907.72	758497	4.7702 ng/ml
Morphine	1.247	4710	168.05	36.2	12960.69	8446	5.0102 ng/ml
Norbuprenorphine	4.992	281	553.41	84.4	585.86	19545	0.4787 ng/ml
Nordiazepam	5.900	43525	1134.48	54.7	987.22	287553	5.0183 ng/ml
Norfentanyl	4.086	17134	2103.02	36.5	74.92	1546157	0.5147 ng/ml
Norhydrocodone	3.073	6549	55.39	41.4	147.30	117820	5.1545 ng/ml
Noroxycodone	2.916	41961	216.12	42.4	1424.02	295023	5.0262 ng/ml
O-desmethyl-tramadol	3.376	166838	693.02	6.6	376.37	1984149	5.0905 ng/ml
Oxazepam	5.756	85642	1880.45	75.5	69.95	684598	4.9843 ng/ml
Oxycodone	2.841	74862	370.68	27.4	608.89	662078	5.0002 ng/ml
Oxymorphone	1.405	36327	775.93	44.3	618.34	261514	4.9766 ng/ml
Phentermine	3.790	41081	290.34	5.0	33.85	957156	4.7897 ng/ml
Promethazine	5.538	29387	499.77	28.9	76.11	256207	5.0478 ng/ml
Pseudoephedrine	2.610	194543	1449.04	17.2	1062.89	1869940	5.1467 ng/ml
Quetiapine	5.548	56501	196.99	58.6	117.76	157357	4.9566 ng/ml
Sertraline	5.769	1294	11.24	96.4	118.47	13487	4.7630 ng/ml
Temazepam	5.816	142066	234.85	30.1	236.09	1412340	5.1164 ng/ml
Tramadol	4.252	179448	660.81	3.6	129.82	1798127	4.9628 ng/ml
Trazodone	5.156	42682	40020.77	81.6	50483.71	355647	5.0566 ng/ml
Venlafaxine	5.043	157367	503.49	38.1	2742.65	1621494	5.1020 ng/ml
Zolpidem	4.921	170649	690.40	30.7	1791.17	1647258	4.9647 ng/ml

TS

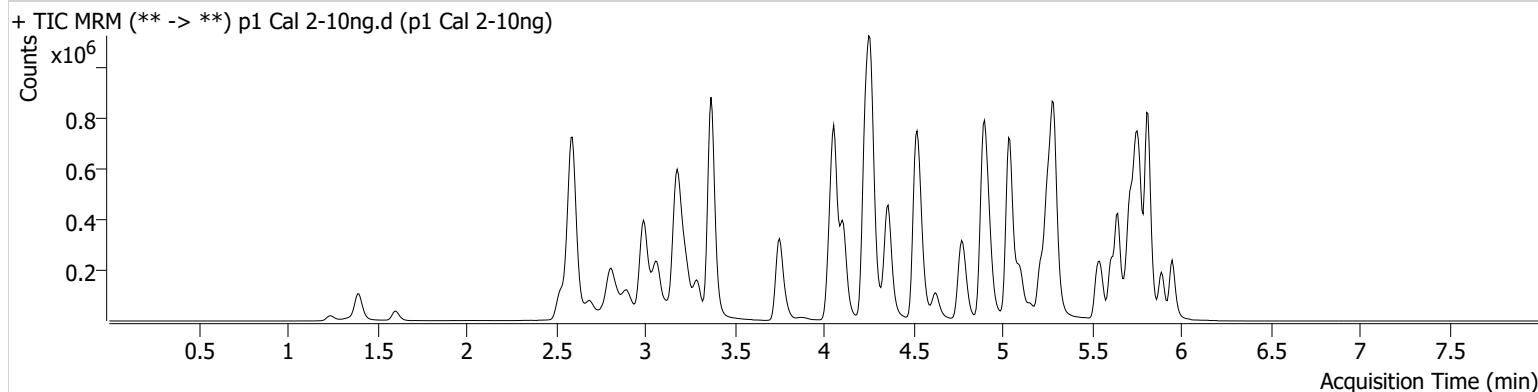


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 2-10ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 2-10ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-B1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	3/19/2021 8:27:03 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	4088	222.56	70.0	291.29	108759	0.9732 ng/ml
7-aminoclonazepam	4.278	65609	69.83	76.0	100.47	248881	9.6694 ng/ml
a-hydroxyalprazolam	5.699	41689	284.74	56.3	135.67	488275	10.1526 ng/ml
alpha-PHP	4.937	54541	3901.44	271.2	7110.07	965271	9.8460 ng/ml
alpha-PVP	4.370	213626	499.59	53.4	9419.16	965271	9.7506 ng/ml
Alprazolam	5.775	132123	381.74	110.7	787.38	488275	9.6997 ng/ml
Amphetamine	3.069	397494	3852.30	48.6	1034.04	422742	10.2565 ng/ml
Benzoylecgonine	3.899	5027	147.15	8.2	78.22	18653	10.1196 ng/ml
Buprenorphine	5.819	2873	73.40	12.5	402.12	105573	1.0537 ng/ml
Bupropion	4.788	198933	4411.03	62.1	377.26	726106	9.6884 ng/ml
Carisoprodol	5.724	137804	7896.01	60.2	573.00	706518	9.8350 ng/ml
Citalopram	5.219	99096	2796.89	40.2	697.10	466271	9.8140 ng/ml
Clonazepam	5.612	157191	6353.59	32.3	390.60	194142	9.9638 ng/ml
Clonazepam	5.555	105340	3618.15	37.8	52376.97	194142	9.9077 ng/ml
Cocaine	4.264	170611	88851.43	51.7	2717.68	1626215	9.9330 ng/ml
Codeine	2.580	20959	1262.26	94.5	26783.75	99167	10.6104 ng/ml
Cyclobenzaprine	5.615	21282	7346.71	8.6	32.81	89916	9.9145 ng/ml
Dextromethorphan	5.262	47815	702.93	77.3	93.73	228972	10.0097 ng/ml
Dextrophan	4.111	59706	405.56	203.1	521.64	719911	9.8750 ng/ml
Diazepam	5.960	80728	1563.75	89.9	211.60	386926	9.7124 ng/ml
Dihydrocodeine	2.559	48847	1611.43	67.7	400.47	293214	10.2740 ng/ml
Diphenhydramine	5.289	263391	368.41	33.4	450.65	1585256	9.8300 ng/ml
Doxylamine	4.536	401918	23485.52	97.4	115457.02	1806580	9.8306 ng/ml
EDDP	5.254	160383	1045.50	42.2	434.97	834804	9.6983 ng/ml
Etizolam	5.813	81197	195484.46	26.3	28580.61	194142	9.5248 ng/ml
Fentanyl	5.103	4386	24.32	61.2	5445.10	204978	0.9988 ng/ml
Flualprazolam	5.705	62197	1196.68	101.7	2061.10	488275	9.7970 ng/ml
Fluoxetine	5.700	13396	11064.26	9.0	54.70	56025	9.9721 ng/ml
Hydrocodone	3.018	73980	225.82	41.2	100.51	925652	9.7895 ng/ml
Hydromorphone	1.608	68939	255370.16	79.4	3113.99	8942	9.8783 ng/ml
Ketamine	4.051	159225	577.54	36.1	222.33	756080	9.9128 ng/ml
Lamotrigine	4.280	13806	452.42	82.1	4571.83	756080	10.1454 ng/ml
Levetiracetam	2.690	63764	793.50	169.2	1490.09	1996898	12.5460 ng/ml



TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	146377	2134.65	56.7	223.61	194142	10.0990 ng/ml
MDA	3.203	269199	526.43	25.6	250.32	686577	10.2583 ng/ml
MDMA	3.296	157523	3086.10	78.6	1269.59	150575	9.7571 ng/ml
Meprobamate	4.931	87638	102.26	26.6	272.12	397690	10.2522 ng/ml
Methadone	5.646	142345	207.69	52.3	238.54	685684	9.6299 ng/ml
Methamphetamine	3.238	307208	765.48	36.8	348.18	1129310	10.0219 ng/ml
Metoprolol	4.326	39277	76974.35	93.2	150.12	1849267	10.0215 ng/ml
Mirtazapine	4.624	175407	1160.52	52.4	1636.62	965271	9.5256 ng/ml
Mitragynine	5.237	21668	27712.93	38.4	11945.05	685684	10.2583 ng/ml
Morphine	1.247	9731	239.03	36.5	47.26	8942	9.8124 ng/ml
Norbuprenorphine	4.992	476	255.62	85.0	1160.43	17577	1.0588 ng/ml
Nordiazepam	5.900	84344	62479.95	54.8	627.64	284209	9.9004 ng/ml
Norfentanyl	4.086	35639	163.75	34.0	89.64	1574613	0.9770 ng/ml
Norhydrocodone	3.066	12947	123.51	41.7	23.14	120010	9.6655 ng/ml
Noroxycodone	2.916	87209	327.36	42.5	17.04	300238	10.0106 ng/ml
O-desmethyl-tramadol	3.376	345438	1321.98	6.6	134.39	2123243	9.7234 ng/ml
Oxazepam	5.756	169702	414.84	72.4	897.45	697279	9.8572 ng/ml
Oxycodone	2.834	154439	1055.77	26.7	804.16	697848	9.9035 ng/ml
Oxymorphone	1.398	75773	722.83	43.5	573.15	278280	9.9298 ng/ml
Phentermine	3.790	82438	1049.57	4.6	64.41	966831	10.2425 ng/ml
Promethazine	5.538	53035	260.42	28.7	299.81	235221	9.7289 ng/ml
Pseudoephedrine	2.603	407964	4947.23	16.5	1294.00	1996898	9.6734 ng/ml
Quetiapine	5.548	103363	165402.51	59.9	62527.64	144318	10.0143 ng/ml
Sertraline	5.769	3961	110.79	90.4	277.80	17211	11.1232 ng/ml
Temazepam	5.816	287302	∞	29.4	256.53	1421211	9.7402 ng/ml
Tramadol	4.246	371483	11939.84	3.6	79.80	1849267	10.0790 ng/ml
Trazodone	5.156	77516	571.54	81.1	9161.95	325040	9.9378 ng/ml
Venlafaxine	5.043	311900	12241.29	37.9	346.63	1625978	9.7556 ng/ml
Zolpidem	4.914	329802	4095.43	31.6	1236.02	1683492	9.8431 ng/ml

# AM #28 Multi-Drug Quant. Results

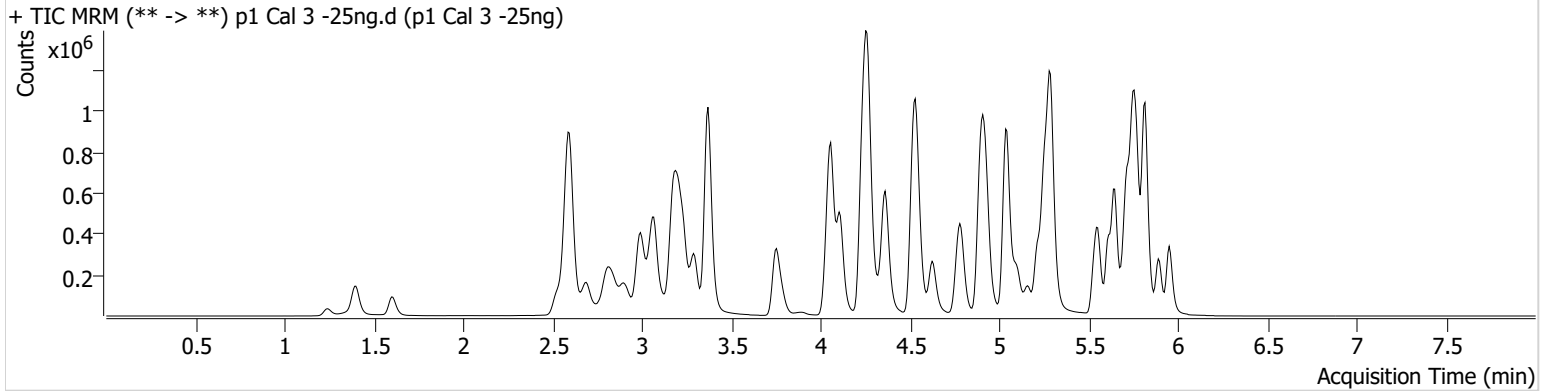
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 3 -25ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 3 -25ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-C1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	3/19/2021 8:37:39 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	9457	359.54	70.6	3392.48	103061	2.3374 ng/ml
7-aminoclonazepam	4.278	181671	131.78	77.6	3628.63	276338	23.2342 ng/ml
a-hydroxyalprazolam	5.699	99622	868.84	57.6	496.84	464072	27.0352 ng/ml
alpha-PHP	4.937	137556	1365.67	268.9	9010.41	943167	26.4098 ng/ml
alpha-PVP	4.370	514773	353.32	52.9	3863.18	943167	23.8107 ng/ml
Alprazolam	5.775	314407	617.53	112.0	619.65	464072	24.1344 ng/ml
Amphetamine	3.069	953677	461.22	48.5	3852.59	413846	26.9311 ng/ml
Benzoylecgonine	3.899	12357	17.41	7.6	291.62	19465	23.9957 ng/ml
Buprenorphine	5.819	7370	194.56	15.1	929.18	115499	2.4972 ng/ml
Bupropion	4.788	497834	22740.76	61.4	1195.64	721418	24.3724 ng/ml
Carisoprodol	5.724	327759	19356.38	57.3	350.38	688127	23.4979 ng/ml
Citalopram	5.219	269070	486.42	40.5	289.02	509604	24.2227 ng/ml
Clonazepam	5.612	379879	10108.25	32.1	1845.64	187484	25.2297 ng/ml
Clonazepam	5.555	250876	4626.67	37.7	172732.85	187484	24.2459 ng/ml
Cocaine	4.264	403518	499.28	52.0	12228.51	1537515	24.6455 ng/ml
Codeine	2.580	48043	334.99	103.5	147948.66	96603	25.8387 ng/ml
Cyclobenzaprine	5.615	57280	1760.95	9.1	571.37	95863	24.6576 ng/ml
Dextromethorphan	5.262	127491	360361.00	80.6	109.86	243302	24.8844 ng/ml
Dextrophan	4.111	149271	1687.38	204.3	67601.90	721291	24.4910 ng/ml
Diazepam	5.960	204831	3457.59	88.6	406.68	393507	24.1351 ng/ml
Dihydrocodeine	2.559	115773	1645.58	67.0	558.32	281308	26.1249 ng/ml
Diphenhydramine	5.289	699454	39360.49	33.3	193.79	1712982	23.7933 ng/ml
Doxylamine	4.536	999637	3932.05	96.9	36514.96	1800034	24.5389 ng/ml
EDDP	5.254	422501	2009.12	41.0	13621.23	874892	24.1219 ng/ml
Etizolam	5.813	198404	7062.96	25.9	75000.72	187484	23.1439 ng/ml
Fentanyl	5.103	11698	168.89	66.4	68.02	225681	2.4582 ng/ml
Flualprazolam	5.705	151154	89080.22	101.5	3507.86	464072	25.0029 ng/ml
Fluoxetine	5.700	30371	549.00	8.6	12501.79	52638	24.4351 ng/ml
Hydrocodone	3.018	182706	152.40	39.2	123.20	884836	26.1244 ng/ml
Hydromorphone	1.601	168531	2616.79	78.1	693.88	8705	25.2067 ng/ml
Ketamine	4.051	381449	6477.82	35.9	901.83	734208	24.8433 ng/ml
Lamotrigine	4.280	33148	631.21	79.8	1105.35	734208	26.4375 ng/ml
Levetiracetam	2.690	164163	1479.85	165.4	693.72	1917110	25.8213 ng/ml

# AM #28 Multi-Drug Quant. Results

TS



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	345923	3223.93	57.3	1154.84	187484	26.5429 ng/ml
MDA	3.203	659662	2833.49	25.0	376.77	675800	26.8538 ng/ml
MDMA	3.296	379839	2951.75	79.3	3747.37	148089	23.7007 ng/ml
Meprobamate	4.924	201343	278.75	28.3	1641.22	373886	25.7835 ng/ml
Methadone	5.646	386250	17640.07	49.5	1771.36	727322	24.4554 ng/ml
Methamphetamine	3.231	732811	1290.06	37.0	2194.63	1125702	26.0991 ng/ml
Metoprolol	4.326	95290	1991.05	93.8	1245.93	1799732	25.6592 ng/ml
Mirtazapine	4.624	459851	4016.31	52.3	718.04	943167	26.3935 ng/ml
Mitragynine	5.237	59128	53594.84	40.4	336.59	727322	27.9631 ng/ml
Morphine	1.247	24126	3974.94	36.9	157.16	8705	25.0481 ng/ml
Norbuprenorphine	4.986	1179	4761.13	77.6	234.94	18252	2.7730 ng/ml
Nordiazepam	5.900	210058	13961.56	55.6	1833.47	289146	24.3281 ng/ml
Norfentanyl	4.086	86130	92.25	34.1	405.64	1513455	2.3487 ng/ml
Norhydrocodone	3.066	30284	90.63	42.4	298.11	112732	23.5295 ng/ml
Noroxycodone	2.909	206134	2182.82	42.6	786.13	292511	23.9390 ng/ml
O-desmethyl-tramadol	3.376	820188	24654.62	6.8	4177.66	2023071	24.0286 ng/ml
Oxazepam	5.756	402621	605.51	73.6	2713.28	654047	25.1915 ng/ml
Oxycodone	2.834	375355	3039.88	27.3	520.06	684906	24.7051 ng/ml
Oxymorphone	1.398	178236	∞	43.9	1964.63	262217	25.0600 ng/ml
Phentermine	3.783	204407	1216.95	4.6	135.84	960592	26.6633 ng/ml
Promethazine	5.532	142579	650.03	28.0	477.23	244337	24.8604 ng/ml
Pseudoephedrine	2.603	976276	17956.46	16.5	3419.35	1917110	23.4412 ng/ml
Quetiapine	5.548	279744	396.41	56.9	14183.60	156238	25.2270 ng/ml
Sertraline	5.769	6391	86.12	101.8	206.72	12980	23.5512 ng/ml
Temazepam	5.816	673651	1281.55	28.6	1769.19	1311851	23.9151 ng/ml
Tramadol	4.246	881287	1133.93	3.7	563.09	1799732	24.6959 ng/ml
Trazodone	5.156	200591	331434.49	81.4	1086.52	348395	23.8345 ng/ml
Venlafaxine	5.043	760921	28454.10	37.2	160.88	1585501	23.9023 ng/ml
Zolpidem	4.914	817702	441.04	31.1	7696.01	1665565	25.4359 ng/ml

# AM #28 Multi-Drug Quant. Results

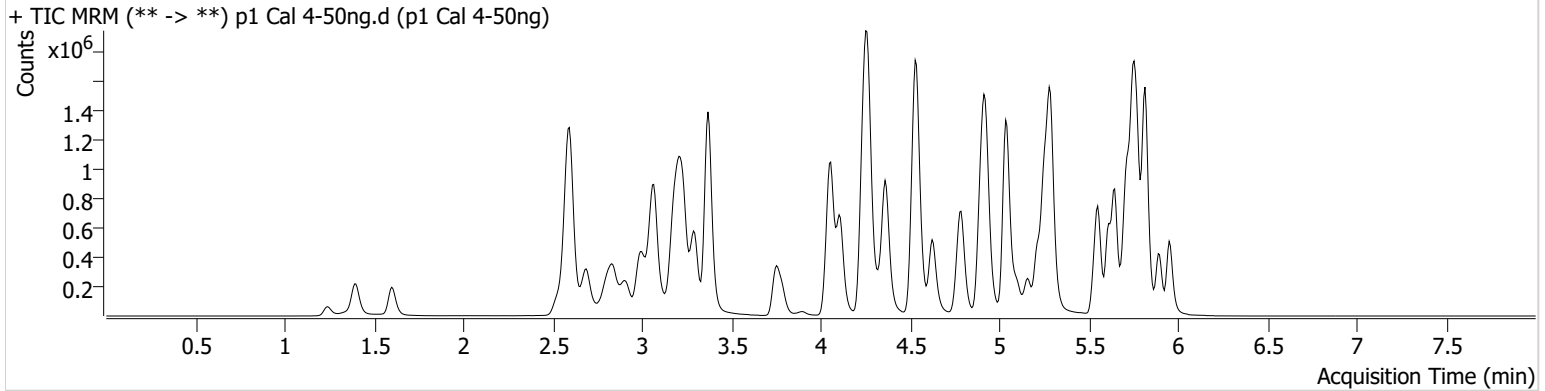
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 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>	Tamara Salazar
<b>Sample Position</b>	P6-D1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	3/19/2021 8:48:14 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	21183	7933.51	73.0	1573.86	104361	5.1381 ng/ml
7-aminoclonazepam	4.278	344530	8901.69	76.4	∞	235014	51.0859 ng/ml
a-hydroxyalprazolam	5.699	194929	241.77	59.3	2040.38	459044	54.4531 ng/ml
alpha-PHP	4.937	282847	3006.80	264.5	4986.26	928986	55.8185 ng/ml
alpha-PVP	4.370	1096407	50588.78	53.1	13314.34	928986	51.3012 ng/ml
Alprazolam	5.775	667546	5076.05	111.4	3761.95	459044	51.6877 ng/ml
Amphetamine	3.069	1886967	1489.09	48.8	842.89	395530	57.0778 ng/ml
Benzoylcegonine	3.899	26599	477.13	8.1	6100.58	19480	51.7493 ng/ml
Buprenorphine	5.819	13182	205.37	14.6	83.29	96957	5.3425 ng/ml
Bupropion	4.788	1026896	21455.10	61.8	2019.42	688848	52.6274 ng/ml
Carisoprodol	5.724	663648	742810.92	58.4	2847.92	643028	50.4955 ng/ml
Citalopram	5.212	524535	697.95	40.5	327.09	467629	51.3390 ng/ml
Clonazepam	5.612	777679	23557.33	32.1	1031.51	180035	54.0094 ng/ml
Clonazepam	5.555	520790	8737.84	38.2	465729.67	180035	52.2651 ng/ml
Cocaine	4.264	848279	19550.86	52.7	15373.13	1549335	51.2682 ng/ml
Codeine	2.580	101429	2585.75	99.8	5378.00	92840	57.5318 ng/ml
Cyclobenzaprine	5.615	99235	3611.09	9.2	20561.20	78910	51.6270 ng/ml
Dextromethorphan	5.262	241116	23804.84	81.1	2250.12	220257	51.8183 ng/ml
Dextrophan	4.111	303373	3224.58	208.1	908.65	697545	51.3583 ng/ml
Diazepam	5.960	425058	616.36	88.2	44967.92	377610	52.1184 ng/ml
Dihydrocodeine	2.559	243526	537.25	69.2	675.87	286038	54.5850 ng/ml
Diphenhydramine	5.289	1378132	70807.64	33.3	252.34	1572907	50.7681 ng/ml
Doxylamine	4.536	2096706	4355.02	97.4	12208.85	1773615	52.2359 ng/ml
EDDP	5.254	808753	341.87	41.6	465.15	784023	51.3339 ng/ml
Etizolam	5.813	413547	8507.29	26.1	181651.59	180035	49.5045 ng/ml
Fentanyl	5.103	20953	272.45	64.4	35006.42	188062	5.3147 ng/ml
Flualprazolam	5.705	311110	2744.30	103.3	5976.30	459044	51.9920 ng/ml
Fluoxetine	5.700	51904	308.12	8.8	7804.43	41844	52.8328 ng/ml
Hydrocodone	3.018	391462	1617.08	39.9	317.76	898413	55.7110 ng/ml
Hydromorphone	1.601	356931	3727.60	78.1	12993.19	8468	55.1908 ng/ml
Ketamine	4.051	824597	1042.01	35.4	2519.93	746912	53.0893 ng/ml
Lamotrigine	4.280	67987	1921.69	82.0	4124.29	746912	54.2341 ng/ml
Levetiracetam	2.690	343688	2651.08	167.6	5719.19	1884559	49.7371 ng/ml

# AM #28 Multi-Drug Quant. Results

TS



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	656065	4834.27	57.8	1678.75	180035	53.6554 ng/ml
MDA	3.203	1279859	6915.29	25.1	1623.37	633238	56.5482 ng/ml
MDMA	3.296	809298	7659.13	79.5	6162.04	142853	52.1634 ng/ml
Meprobamate	4.924	412917	347.72	28.1	2617.75	364474	54.8008 ng/ml
Methadone	5.646	733656	12223.37	50.5	433.56	659971	51.0660 ng/ml
Methamphetamine	3.231	1541042	2599.54	37.3	1475.21	1108732	57.4488 ng/ml
Metoprolol	4.326	197569	304056.79	93.8	2869.56	1804573	53.5414 ng/ml
Mirtazapine	4.624	906147	35362.04	52.6	4591.74	928986	53.2998 ng/ml
Mitragynine	5.237	102748	926.25	39.2	162.57	659971	54.4667 ng/ml
Morphine	1.240	49506	6005.45	37.1	254.17	8468	52.8773 ng/ml
Norbuprenorphine	4.986	1777	5469.53	103.2	5880.75	16818	4.6474 ng/ml
Nordiazepam	5.900	438062	44761.96	55.5	5009.70	279149	52.6257 ng/ml
Norfentanyl	4.079	176446	1390.41	34.7	352.16	1481423	4.8377 ng/ml
Norhydrocodone	3.066	58078	90.80	42.7	196.16	102994	48.9953 ng/ml
Noroxycodone	2.909	424616	899.61	43.5	7847.86	275976	51.9783 ng/ml
O-desmethyl-tramadol	3.376	1785078	6985.09	6.8	147599.18	2047080	51.5280 ng/ml
Oxazepam	5.756	805658	389.25	74.3	∞	612572	54.0146 ng/ml
Oxycodone	2.834	793465	1242.69	28.3	1141.81	673013	53.2877 ng/ml
Oxymorphone	1.398	370028	∞	43.5	∞	255169	53.6691 ng/ml
Phentermine	3.790	422973	388.57	4.5	582.63	937011	57.3881 ng/ml
Promethazine	5.532	258279	308.58	27.9	3584.42	206296	53.1083 ng/ml
Pseudoephedrine	2.603	2078270	886.15	16.8	22899.72	1884559	50.2389 ng/ml
Quetiapine	5.548	535104	14887.06	59.3	17350.48	142976	52.8706 ng/ml
Sertraline	5.769	12954	121.92	94.4	14620.59	11576	53.2521 ng/ml
Temazepam	5.816	1388064	1970.61	29.5	499.71	1286384	49.6613 ng/ml
Tramadol	4.246	1884171	1344.36	3.6	200.50	1804573	52.7576 ng/ml
Trazodone	5.156	385858	237848.01	80.2	878.24	312762	50.9440 ng/ml
Venlafaxine	5.037	1621376	182646.75	37.5	637.70	1595400	50.2390 ng/ml
Zolpidem	4.914	1708067	6406.87	30.3	3200.88	1618973	55.2474 ng/ml

# AM #28 Multi-Drug Quant. Results

TS

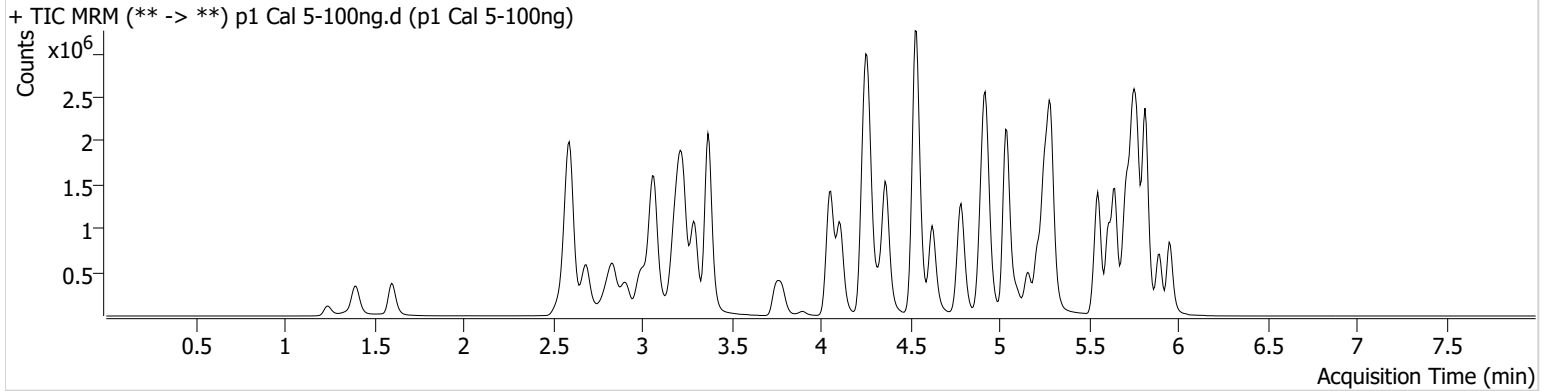


**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 PM

**Instrument** Instrument 1  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P6-E1  
**Injection Volume** 2  
**Acq. Date-Time** 3/19/2021 8:58:49 AM  
**Sample Info.**

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

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	42872	3154.29	68.4	1074.95	106907	10.1255 ng/ml
7-aminoclonazepam	4.278	685048	10495.89	78.3	7747.30	240634	98.6495 ng/ml
a-hydroxyalprazolam	5.692	356359	3133.90	56.5	292.38	450638	102.2644 ng/ml
alpha-PHP	4.937	561878	6640.82	261.6	743.54	951110	108.8966 ng/ml
alpha-PVP	4.370	2206217	45448.05	52.7	2171.92	951110	100.6729 ng/ml
Alprazolam	5.775	1285609	499.31	113.0	∞	450638	101.3042 ng/ml
Amphetamine	3.069	3617184	40377.17	47.6	1499.13	401576	108.8654 ng/ml
Benzoylecgonine	3.899	52682	670.59	7.9	146.19	20305	98.4378 ng/ml
Buprenorphine	5.826	25946	961.53	14.2	920.54	101399	10.0718 ng/ml
Bupropion	4.788	2069174	92657.22	61.2	17857.19	717059	101.8523 ng/ml
Carisoprodol	5.724	1165180	141564.82	59.2	∞	597248	95.1309 ng/ml
Citalopram	5.212	1054080	∞	40.2	1087.72	482546	99.8777 ng/ml
Clonazepam	5.612	1476582	52914.78	32.1	10854.24	175897	105.1458 ng/ml
Clonazepam	5.555	994872	18065.31	38.6	626510.80	175897	102.0689 ng/ml
Cocaine	4.264	1657205	1716.12	52.3	832.40	1542993	100.4398 ng/ml
Codeine	2.580	188863	4852.67	98.6	580.82	93533	106.8785 ng/ml
Cyclobenzaprine	5.615	191963	381736.94	9.0	1253.71	80756	97.3687 ng/ml
Dextromethorphan	5.262	469405	27423.47	80.4	332.51	222117	99.8919 ng/ml
Dextrophan	4.111	617954	1908.92	204.4	26568.80	729713	99.9074 ng/ml
Diazepam	5.960	854621	9178.29	87.7	∞	391902	100.9074 ng/ml
Dihydrocodeine	2.552	482942	2514.63	66.1	871.21	298005	104.3584 ng/ml
Diphenhydramine	5.289	2782681	610.54	33.0	382.90	1618557	99.3775 ng/ml
Doxylamine	4.536	4439578	209738.61	96.3	46248.29	1880439	104.3211 ng/ml
EDDP	5.254	1722615	26123.66	41.5	30557.08	853331	100.2970 ng/ml
Etizolam	5.813	808915	6352.85	25.8	4081.74	175897	98.4845 ng/ml
Fentanyl	5.103	40007	6534.82	68.2	87813.49	197713	9.6744 ng/ml
Flualprazolam	5.705	604600	11562.42	100.8	8806.40	450638	102.8940 ng/ml
Fluoxetine	5.700	86648	27370.12	8.5	166.59	37014	99.9408 ng/ml
Hydrocodone	3.018	747387	∞	40.2	∞	904090	106.1682 ng/ml
Hydromorphone	1.601	697425	3110909.71	78.6	1953512.19	8624	106.1331 ng/ml
Ketamine	4.051	1605056	42131.91	36.2	764.86	759812	101.8242 ng/ml
Lamotrigine	4.280	128859	1646.36	81.5	2765.28	759812	101.8396 ng/ml
Levetiracetam	2.690	665419	2724.05	165.2	6387.55	1913597	90.6171 ng/ml

TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1034317	16417.08	57.3	968.22	175897	87.3557 ng/ml
MDA	3.203	2321452	5981.93	24.7	1071.48	611171	107.0489 ng/ml
MDMA	3.296	1603788	5043.21	79.2	8200.50	147703	99.8383 ng/ml
Meprobamate	4.924	717973	30769.39	28.4	6963.78	345411	100.9677 ng/ml
Methadone	5.646	1498246	857.22	50.5	78647.08	697070	98.6276 ng/ml
Methamphetamine	3.231	3029684	47079.48	36.9	27664.36	1184437	107.0017 ng/ml
Metoprolol	4.326	404019	425767.90	91.8	7171.88	1870153	106.0915 ng/ml
Mirtazapine	4.624	1838540	8512.37	51.9	7999.52	951110	106.1153 ng/ml
Mitragynine	5.237	209778	2038.45	39.2	1071.98	697070	106.2180 ng/ml
Morphine	1.240	98557	388.86	36.5	205.59	8624	103.4012 ng/ml
Norbuprenorphine	4.992	3843	237.13	92.2	245.78	17373	9.9263 ng/ml
Nordiazepam	5.900	873489	697.36	54.2	2234.01	283006	103.5663 ng/ml
Norfentanyl	4.079	353659	21847.15	34.7	1094.31	1517798	9.3961 ng/ml
Norhydrocodone	3.059	106374	149.88	39.7	246.41	93093	98.9127 ng/ml
Noroxycodone	2.909	796748	4641.87	43.4	858.35	271490	98.9222 ng/ml
O-desmethyl-tramadol	3.376	3578095	14110.59	6.8	91861.71	2111311	100.0159 ng/ml
Oxazepam	5.756	1368329	13248.98	73.9	6984.48	552863	101.7955 ng/ml
Oxycodone	2.834	1599874	1360.52	27.4	2588.78	707550	102.3123 ng/ml
Oxymorphone	1.398	712741	∞	44.4	∞	256684	102.9324 ng/ml
Phentermine	3.783	825198	1647.21	4.6	602.47	981461	107.5260 ng/ml
Promethazine	5.532	489444	7695.56	28.0	270.96	207875	99.7002 ng/ml
Pseudoephedrine	2.596	4094455	35439.97	16.6	23380.59	1913597	97.0523 ng/ml
Quetiapine	5.548	1105410	2137.30	59.2	451890.61	152286	102.6624 ng/ml
Sertraline	5.769	19586	129.76	103.2	447.77	9909	93.8989 ng/ml
Temazepam	5.823	2596847	2361.00	28.3	875.16	1217954	97.6043 ng/ml
Tramadol	4.246	3710512	8055.06	3.6	1173.54	1870153	100.3323 ng/ml
Trazodone	5.163	778159	36740.18	81.1	47201.17	326359	98.3539 ng/ml
Venlafaxine	5.043	3307655	2817.97	37.5	861.80	1636300	99.5945 ng/ml
Zolpidem	4.914	3359634	5983.44	31.1	763.31	1710201	103.3106 ng/ml

# AM #28 Multi-Drug Quant. Results

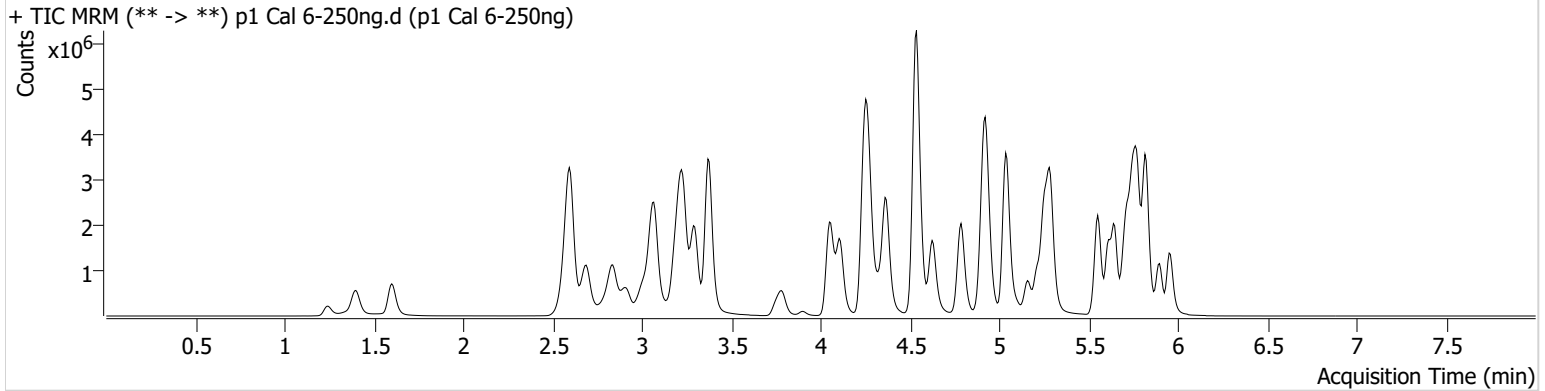
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 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>	Tamara Salazar
<b>Sample Position</b>	P6-F1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	3/19/2021 9:09:24 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	94337	2474.41	68.7	157670.07	93585	25.4116 ng/ml
7-aminoclonazepam	4.278	1179504	16595.05	78.3	10233.84	167372	243.3329 ng/ml
a-hydroxyalprazolam	5.692	564341	943.04	57.0	1507.21	356858	205.5043 ng/ml
alpha-PHP	4.937	941524	5110.64	266.2	7996.69	756400	230.1443 ng/ml
alpha-PVP	4.370	4308781	495948.14	52.4	9712.08	756400	246.9938 ng/ml
Alprazolam	5.775	2519941	1947.01	111.7	8218.57	356858	250.6020 ng/ml
Amphetamine	3.069	5848062	1310.50	48.0	25147.63	291686	243.8327 ng/ml
Benzoylcegonine	3.899	112087	139.42	8.3	∞	17815	238.8857 ng/ml
Buprenorphine	5.826	32816	8875.42	14.7	27296.91	54328	23.8021 ng/ml
Bupropion	4.788	3521137	76514.34	61.7	2518.83	511116	243.1320 ng/ml
Carisoprodol	5.724	2011412	75999.16	58.4	39929.32	398203	245.7365 ng/ml
Citalopram	5.212	1614494	581.09	40.4	428.68	305968	241.1134 ng/ml
Clonazepam	5.612	2701253	37648.88	31.8	4557.74	135747	249.5160 ng/ml
Clonazepam	5.555	1862164	743316.08	38.9	19247.69	135747	247.3732 ng/ml
Cocaine	4.264	3223061	1615.19	53.0	30725.08	1242844	242.3281 ng/ml
Codeine	2.580	336453	227.44	100.4	11887.23	78517	227.5358 ng/ml
Cyclobenzaprine	5.615	259835	32192.87	8.8	261.18	43552	244.0141 ng/ml
Dextromethorphan	5.262	683391	519.43	80.6	266.21	130552	247.2007 ng/ml
Dextrophan	4.111	1172617	161516.37	206.5	89864.35	565072	244.6735 ng/ml
Diazepam	5.960	1640488	3945.66	87.9	∞	311086	243.9254 ng/ml
Dihydrocodeine	2.552	982286	1661.66	66.7	1030.81	264333	239.9535 ng/ml
Diphenhydramine	5.289	4346113	58752.73	32.7	539.53	1022703	245.2748 ng/ml
Doxylamine	4.536	9118132	130795.80	96.6	189276.33	1540208	261.5867 ng/ml
EDDP	5.254	3136833	8837.04	41.5	101385.54	640933	242.9215 ng/ml
Etizolam	5.813	1584981	7497.06	25.6	108470.14	135747	249.0830 ng/ml
Fentanyl	5.103	58941	96.85	65.1	66005.76	117803	23.9609 ng/ml
Flualprazolam	5.705	1150838	1896.49	99.5	5764.64	356858	247.2820 ng/ml
Fluoxetine	5.700	107610	177695.71	8.2	159.15	18349	250.7703 ng/ml
Hydrocodone	3.018	1520972	1400.09	40.5	679.24	796769	245.8479 ng/ml
Hydromorphone	1.601	1380632	2535467.45	78.7	7970.83	7266	249.7377 ng/ml
Ketamine	4.051	3319092	91193.25	35.9	62874.41	648936	246.9145 ng/ml
Lamotrigine	4.280	228587	426.15	81.2	5348.23	648936	212.5108 ng/ml
Levetiracetam	2.690	1324170	10407.92	165.3	8620.12	1496334	223.4243 ng/ml



TS



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1376325	19563.27	58.8	3105.80	135747	151.5371 ng/ml
MDA	3.203	3692758	11074.76	24.5	1587.18	425637	245.6439 ng/ml
MDMA	3.296	3094168	6629.43	79.5	12179.13	114024	249.2789 ng/ml
Meprobamate	4.931	1183600	33312.40	28.9	11463.81	266882	215.9982 ng/ml
Methadone	5.646	2248928	2668.89	51.3	1150.20	426333	241.8901 ng/ml
Methamphetamine	3.231	5824441	23997.56	36.7	2547.69	975646	251.7543 ng/ml
Metoprolol	4.326	770841	10249.33	93.3	11608.20	1479096	256.5723 ng/ml
Mirtazapine	4.624	2951419	23608.10	51.6	8935.55	756400	214.7036 ng/ml
Mitragynine	5.230	284102	12824.30	39.7	3092.52	426333	236.4160 ng/ml
Morphine	1.240	201268	8296.74	36.7	∞	7266	250.6911 ng/ml
Norbuprenorphine	4.986	5504	∞	103.2	5203.50	10775	23.1544 ng/ml
Nordiazepam	5.900	1616331	74006.84	55.0	1530.97	217103	249.9064 ng/ml
Norfentanyl	4.079	681037	3185.47	34.9	685.32	1127039	24.2538 ng/ml
Norhydrocodone	3.059	190892	248.83	43.0	300.92	69269	238.0438 ng/ml
Noroxycodone	2.909	1464236	1338.24	42.7	395.06	205842	239.4281 ng/ml
O-desmethyl-tramadol	3.376	7795437	110561.97	6.6	29660.03	1814809	253.2936 ng/ml
Oxazepam	5.749	2085992	11637.33	73.2	10170.00	336611	255.1371 ng/ml
Oxycodone	2.834	3345310	3309.06	27.5	758.20	611178	247.8407 ng/ml
Oxymorphone	1.398	1396316	∞	43.4	∞	213087	243.1577 ng/ml
Phentermine	3.790	1498039	3016.14	4.5	966.07	773070	248.7794 ng/ml
Promethazine	5.532	656270	24169.01	28.7	598.74	115761	239.7750 ng/ml
Pseudoephedrine	2.596	8177482	61878.38	16.3	100197.88	1496334	247.1868 ng/ml
Quetiapine	5.548	1709459	57179.20	59.1	647.33	99474	243.2275 ng/ml
Sertraline	5.769	29895	243.04	97.1	20883.65	5795	244.7073 ng/ml
Temazepam	5.823	4585104	50381.85	27.8	3746.04	848912	246.4287 ng/ml
Tramadol	4.246	7529584	2691.70	3.6	557.32	1479096	257.5680 ng/ml
Trazodone	5.156	1222332	24001.83	80.5	58032.46	205775	244.8618 ng/ml
Venlafaxine	5.037	6651067	592953.33	36.4	30458.98	1309527	249.7302 ng/ml
Zolpidem	4.914	6692075	2978.21	30.3	26282.20	1405814	251.0678 ng/ml

# AM #28 Multi-Drug Quant. Results

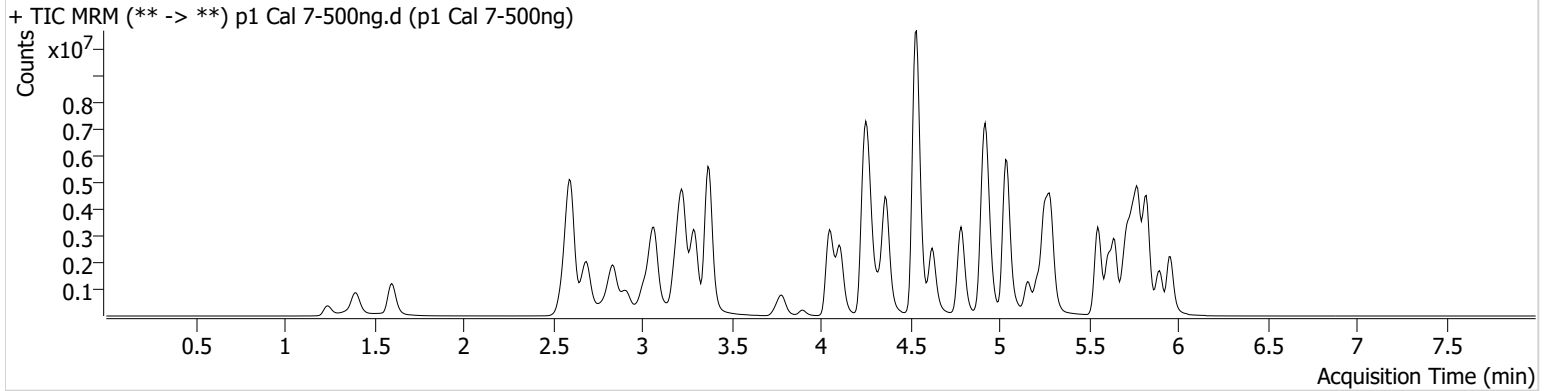
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 PM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 7-500ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 7-500ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Tamara Salazar
<b>Sample Position</b>	P6-G1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	3/19/2021 9:20:00 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	189024	1575.82	69.4	4539.16	94329	50.4896 ng/ml
7-aminoclonazepam	4.278	1749810	24031.18	77.9	18942.84	121920	494.9538 ng/ml
a-hydroxyalprazolam	5.685	728121	581.14	57.1	1118.46	293927	322.4775 ng/ml
alpha-PHP	4.937	1554325	14607.72	267.4	93398.73	677310	424.8327 ng/ml
alpha-PVP	4.370	7897108	1515.77	52.2	136297.06	677310	505.3811 ng/ml
Alprazolam	5.775	4257740	4313.08	110.1	668.27	293927	513.9719 ng/ml
Amphetamine	3.069	7895700	10334.31	47.8	28562.52	211760	454.5273 ng/ml
Benzoylecgonine	3.899	260219	474.17	7.9	6589.57	19929	495.8947 ng/ml
Buprenorphine	5.826	38837	3227.70	15.2	8532.13	31504	48.5974 ng/ml
Bupropion	4.788	6033926	2120.94	61.0	3051.11	424333	501.8263 ng/ml
Carisoprodol	5.724	2904842	4850707.06	58.9	34916.12	278505	507.0317 ng/ml
Citalopram	5.212	2275923	∞	40.2	7533.37	206547	503.3835 ng/ml
Clonazepam	5.612	4179523	33107.22	32.1	64797.15	109943	476.8530 ng/ml
Clonazepam	5.555	3004782	19363.97	38.1	2163123.18	109943	492.7165 ng/ml
Cocaine	4.264	5646324	1782.33	52.8	903.47	1065813	494.8950 ng/ml
Codeine	2.580	525989	281.62	97.3	10513.99	67543	414.0330 ng/ml
Cyclobenzaprine	5.615	384687	11339.71	8.6	3714.68	30685	512.4855 ng/ml
Dextromethorphan	5.262	864194	38503.98	80.9	1690.46	81865	498.3560 ng/ml
Dextrophan	4.111	2002657	1429.51	206.9	91625.03	471599	500.5838 ng/ml
Diazepam	5.960	2963889	500.62	88.3	27517.63	275102	498.2822 ng/ml
Dihydrocodeine	2.552	1755360	613.61	68.3	613.17	262502	432.1968 ng/ml
Diphenhydramine	5.289	6255412	88475.52	32.7	529.28	709372	508.6903 ng/ml
Doxylamine	4.536	16789236	165096.04	96.1	326899.22	1477995	501.9343 ng/ml
EDDP	5.254	5882966	58084.90	40.7	2166.26	580490	502.8429 ng/ml
Etizolam	5.813	2867301	16108.63	25.5	3810626.04	109943	555.5878 ng/ml
Fentanyl	5.103	81567	907.75	66.8	66749.02	78692	49.6689 ng/ml
Flualprazolam	5.705	1927081	53283.20	96.5	35822.57	293927	502.6971 ng/ml
Fluoxetine	5.700	150959	3865.22	9.4	715.23	13096	493.1383 ng/ml
Hydrocodone	3.012	2748205	1316.57	40.4	227.98	752107	471.0755 ng/ml
Hydromorphone	1.601	2537308	5886575.08	78.0	4264.20	7259	459.5812 ng/ml
Ketamine	4.051	6174381	160244.41	35.1	2208.46	606601	491.6438 ng/ml
Lamotrigine	4.280	355012	5386.76	81.3	12588.51	606601	353.6860 ng/ml
Levetiracetam	2.690	2481386	13543.81	167.8	30409.77	1261309	491.0034 ng/ml

# AM #28 Multi-Drug Quant. Results

TS



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1384122	1004.26	58.6	2587.98	109943	188.4683 ng/ml
MDA	3.196	4976814	12139.52	23.9	3831.89	306216	460.9410 ng/ml
MDMA	3.296	5279702	77601.50	79.2	11726.56	96764	501.0720 ng/ml
Meprobamate	4.931	1628671	22852.76	28.4	8664.25	212216	374.1532 ng/ml
Methadone	5.646	3257272	84588.57	50.3	1168.44	295298	505.6821 ng/ml
Methamphetamine	3.231	9399139	88514.33	36.1	1177.41	857760	463.3706 ng/ml
Metoprolol	4.326	1319891	89729.45	92.9	2202.20	1326335	490.3335 ng/ml
Mirtazapine	4.624	4449152	100206.47	51.1	91600.03	677310	361.7904 ng/ml
Mitragynine	5.230	362746	1276.50	39.1	3528.15	295298	436.6506 ng/ml
Morphine	1.240	388790	∞	37.3	6739.76	7259	484.7107 ng/ml
Norbuprenorphine	4.992	7033	54.12	98.8	15343.99	6219	51.4756 ng/ml
Nordiazepam	5.900	2642876	20528.09	55.8	1441.84	179591	494.0378 ng/ml
Norfentanyl	4.079	1202721	84700.59	34.3	4180.01	925746	52.0642 ng/ml
Norhydrocodone	3.059	350560	1103.21	42.5	205.25	55984	540.4302 ng/ml
Noroxycodone	2.909	2205679	925.61	44.1	820.22	151199	490.7551 ng/ml
O-desmethyl-tramadol	3.369	14686960	87105.13	6.6	24185.67	1678308	515.8901 ng/ml
Oxazepam	5.749	2181059	23721.28	73.3	2966.83	181494	494.9207 ng/ml
Oxycodone	2.834	6264496	40550.96	27.4	41231.75	580767	488.5327 ng/ml
Oxymorphone	1.398	2460253	∞	43.5	∞	191213	477.6206 ng/ml
Phentermine	3.783	2383765	5638.96	4.4	2426.89	677170	452.5364 ng/ml
Promethazine	5.532	971710	1933.83	29.0	1952.14	85003	483.2843 ng/ml
Pseudoephedrine	2.603	14430994	124124.34	16.0	76998.13	1261309	517.0070 ng/ml
Quetiapine	5.548	2761084	81038.27	59.0	108640.58	79503	491.6703 ng/ml
Sertraline	5.769	61381	1099.04	98.7	134225.99	6117	475.8025 ng/ml
Temazepam	5.823	6317980	39682.83	27.9	29145.16	565505	509.1639 ng/ml
Tramadol	4.246	13182494	1835.80	3.5	536.25	1326335	502.9608 ng/ml
Trazodone	5.156	2023056	1400.03	80.5	67788.34	161251	517.0397 ng/ml
Venlafaxine	5.037	12191757	3891.48	36.4	63624.06	1171540	511.3326 ng/ml
Zolpidem	4.914	12659606	204277.68	30.2	185070.71	1372061	487.1157 ng/ml

# AM #28 Multi-Drug Quant. Results

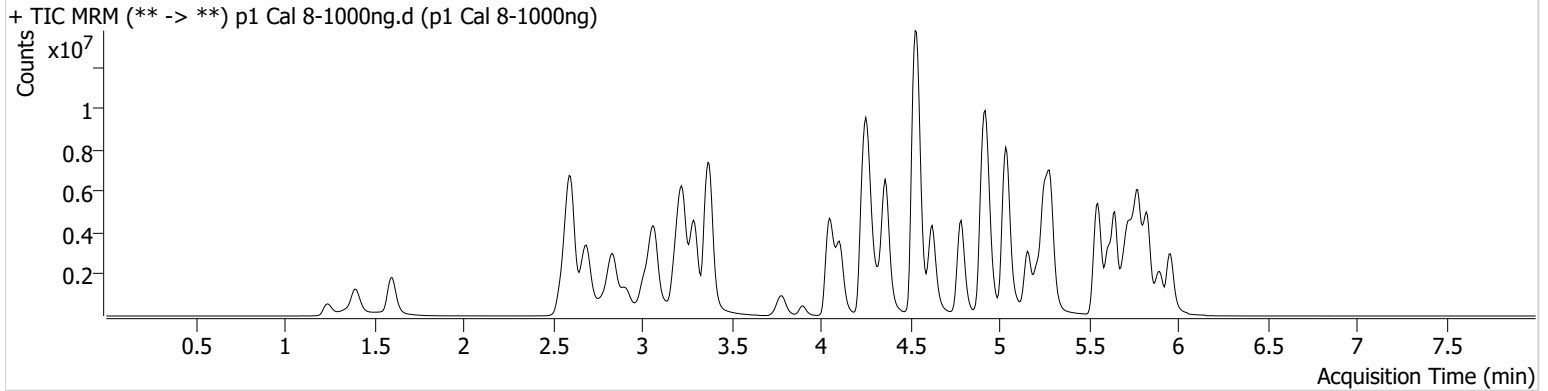
TS



**Batch results** D:\MassHunter\Data\2021\AM 27-28\P1 P2 Urine\_031821\_TS\QuantResults\AM 28 AG.batch.bin  
**Calibration Last Update** 3/24/2021 3:12:18 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>	Tamara Salazar
<b>Sample Position</b>	P6-H1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	3/19/2021 9:30:35 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	335638	4815.82	68.9	7072.96	84307	100.2828 ng/ml
7-aminoclonazepam	4.285	2208655	7989.71	77.7	5294.92	69013	1102.9601 ng/ml
a-hydroxyalprazolam	5.685	868077	992.23	55.6	368.11	216301	523.0559 ng/ml
alpha-PHP	4.937	2016627	22892.47	272.2	2478.13	510323	732.0043 ng/ml
alpha-PVP	4.363	12033962	794106.20	52.9	112787.82	510323	1021.9553 ng/ml
Alprazolam	5.775	5912450	610.22	112.0	∞	216301	969.7694 ng/ml
Amphetamine	3.068	10561738	6464.88	47.2	3917.84	155855	827.1027 ng/ml
Benzoylecgonine	3.899	602473	4380.63	8.1	5614.87	21557	1061.5146 ng/ml
Buprenorphine	5.826	58872	2455.02	14.0	9216.18	23681	98.0221 ng/ml
Bupropion	4.788	8490418	131067.39	61.6	1162.25	301420	994.0504 ng/ml
Carisoprodol	5.730	3729404	292396.55	57.2	22172.16	165211	1096.9319 ng/ml
Citalopram	5.212	3719694	1541.64	39.6	3419.43	163444	1039.5659 ng/ml
Clonazepam	5.612	5288237	35908.47	32.1	36468.13	72059	920.7363 ng/ml
Clonazepam	5.555	3969565	192397.24	38.1	246769.49	72059	993.0025 ng/ml
Cocaine	4.257	8706742	1637.54	51.7	1245.10	791089	1028.0093 ng/ml
Codeine	2.573	769435	201.15	95.4	333.04	52905	773.7973 ng/ml
Cyclobenzaprine	5.615	1501966	2752.34	8.9	162935.12	60792	1009.7324 ng/ml
Dextromethorphan	5.262	1546796	41456.82	81.3	61216.58	74073	985.6704 ng/ml
Dextrophan	4.111	2774956	69673.82	209.5	142435.41	321050	1018.7842 ng/ml
Diazepam	5.960	4438292	17003.61	86.6	26955.71	200712	1022.6321 ng/ml
Dihydrocodeine	2.545	2825173	452.67	68.5	485.65	251618	726.0318 ng/ml
Diphenhydramine	5.289	10149536	2131.44	33.3	1210.47	562437	1040.7233 ng/ml
Doxylamine	4.529	24521615	21151.82	96.3	46317.80	1214517	892.1422 ng/ml
EDDP	5.254	9199732	∞	40.2	441306.85	439395	1038.6651 ng/ml
Etizolam	5.813	4300080	14510.28	25.6	139654.87	72059	1270.4599 ng/ml
Fentanyl	5.103	235365	46071.65	65.5	∞	108923	103.5727 ng/ml
Flualprazolam	5.705	2685117	12770.45	95.1	29106.04	216301	951.7824 ng/ml
Fluoxetine	5.700	700575	25148.83	9.0	2326.55	30607	979.5082 ng/ml
Hydrocodone	3.012	4427078	2958.56	39.5	∞	644420	886.1264 ng/ml
Hydromorphone	1.601	4158607	1414356.35	78.9	17870.98	5891	928.4687 ng/ml
Ketamine	4.051	10135586	138773.99	34.3	57038.29	507506	964.9013 ng/ml
Lamotrigine	4.287	457135	27780.86	83.4	11830.52	507506	544.8489 ng/ml
Levetiracetam	2.690	4289639	20320.76	168.6	34336.32	894247	1190.5303 ng/ml

TS

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1333029	20222.66	57.5	5651.96	72059	277.5320 ng/ml
MDA	3.196	6369824	21393.04	23.6	3308.24	216143	836.5266 ng/ml
MDMA	3.290	7675773	6451.77	79.6	3519.15	69294	1017.1048 ng/ml
Meprobamate	4.938	1965216	131846.35	28.7	17846.52	157590	608.2765 ng/ml
Methadone	5.646	6273586	3405.03	48.7	23006.71	273729	1050.5769 ng/ml
Methamphetamine	3.231	13145108	86316.00	35.9	86216.46	672364	827.9257 ng/ml
Metoprolol	4.326	1800530	10164.03	93.0	136910.43	1045569	848.8361 ng/ml
Mirtazapine	4.624	7874647	126951.07	50.9	2403.85	510323	850.5412 ng/ml
Mitragynine	5.230	716163	8678.90	39.7	15175.01	273729	931.1311 ng/ml
Morphine	1.240	619041	896.12	36.8	∞	5891	951.0596 ng/ml
Norbuprenorphine	4.986	11788	455.36	95.8	4494.45	5392	99.6825 ng/ml
Nordiazepam	5.900	3523003	714.43	55.4	819.46	123556	957.2952 ng/ml
Norfentanyl	4.079	1897966	38472.39	34.6	13186.34	669294	113.5574 ng/ml
Norhydrocodone	3.059	531631	174.27	41.8	117.53	43300	1059.3081 ng/ml
Noroxycodone	2.909	3152239	3715.32	42.7	86823.75	99253	1068.1409 ng/ml
O-desmethyl-tramadol	3.372	22686609	106308.14	7.1	5433.65	1374712	972.7506 ng/ml
Oxazepam	5.749	1892114	7747.03	72.2	9195.90	86489	901.1188 ng/ml
Oxycodone	2.834	10860281	11193.09	27.2	1436.28	510245	964.1065 ng/ml
Oxymorphone	1.398	4140865	251.06	43.4	276.06	157087	978.7152 ng/ml
Phentermine	3.783	3279861	1235.65	4.4	2570.50	509559	828.0735 ng/ml
Promethazine	5.532	3576469	3541.40	28.7	2266.91	145592	1038.2926 ng/ml
Pseudoephedrine	2.603	21137000	9256.44	16.2	59967.56	894247	1067.6089 ng/ml
Quetiapine	5.548	4874340	4403.37	59.2	83093.76	72050	957.8891 ng/ml
Sertraline	5.769	303559	4806.98	96.9	49671.26	13594	1058.5755 ng/ml
Temazepam	5.830	7042064	47242.36	28.0	15431.12	298994	1072.7830 ng/ml
Tramadol	4.239	18946038	1325.90	3.7	1191.40	1045569	917.0438 ng/ml
Trazodone	5.156	5136212	2172.52	80.6	374.26	206369	1025.5818 ng/ml
Venlafaxine	5.037	18230178	506239.79	37.3	16818.34	873061	1025.6459 ng/ml
Zolpidem	4.914	20310154	1522.23	30.7	5571.90	1207031	888.7618 ng/ml