

**REVIEWED**

By Anne Nord at 9:35 am, Mar 03, 2021

SC

2/24/2021

**Worklist: 4803**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-0052	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0182	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0402	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0404	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0434	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0075	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0095	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0101	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0127	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0245	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0247	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0279	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0280	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0289	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0290	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0291	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0292	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0293	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0295	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0296	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0315	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Worklist: 4803**

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-0332	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 02/24/21  
 Plate lot#: IDP-121-201207

Analyst: Sarah Collins  
 Plate Expiration: 06/07/2021

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

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

**Blank Blood Lot:** Lampire 20L20724

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

**LCMS-QQQ ID:** 069901

**Pre-Analytic:**

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

**Analytic:**

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #16**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250 µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300 µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
**(Load at 85-100 PSI- Selector to the right)**
- 8. Wait 5 minutes.
- 9. Add **900 µL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 10-15 seconds. **(12-15 PSI- Selector to the left).**
- 12. Add **900 µL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. **(12-15 PSI- Selector to the left).**
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100 µL 20% LCMS MeOH in water** and heat seal plate with foil. Place in autosampler and run worklist.

**Post-Analytic**

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

**COMMENTS:**

*Curves limited: Alpha-hydroxyalprazolam 5-250 (reported qualitatively), Alpha-PHP 5-500, Buprenorphine 0.5-50, Codeine 5-500, Dihydrocodeine 5-500, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-250, Norbuprenorphine 1-100, Norfentanyl 0.5-50*

*Hydromorphone ISTD missing. Morphine-D6 used as the Hydromorphone ISTD and thus reported qualitatively. Alprazolam-D5 used as alpha-hydroxyalprazolam ISTD and thus reported qualitatively*

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<b>Compound</b>	<b>Reason</b>
<i>Alpha-hydroxyalprazolam</i>	<i>Calibrators 7 and 8 dropped due to low accuracy</i>
<i>Alpha-PHP</i>	<i>Calibrator 8 dropped due to low accuracy</i>
<i>Buprenorphine</i>	<i>Calibrator 8 dropped due to high accuracy</i>
<i>Codeine</i>	<i>Calibrator 8 dropped due to low accuracy</i>
<i>Dihydrocodeine</i>	<i>Calibrator 8 dropped due to low accuracy</i>
<i>Lamotrigine</i>	<i>Calibrators 7 and 8 dropped due to low accuracy</i>
<i>Lorazepam</i>	<i>Calibrators 6, 7, and 8 dropped due to low accuracy</i>
<i>Meprobamate</i>	<i>Calibrators 7 and 8 dropped due to low accuracy</i>
<i>Norbuprenorphine</i>	<i>Calibrator 1 dropped due to low ratio</i>
<i>Norfentanyl</i>	<i>Calibrator 8 dropped due to high accuracy</i>

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1			IS + Cal. 1	IS + QC_1			p2021-0332-1	p2021-0280-1	p2021-0075-1	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2			IS + Cal. 2	IS + QC_2			p2021-0293-1	p2021-0101-1	m2021-0052-3	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3			IS + Cal. 3	IS + QC_3			p2021-0292-1	p2021-0279-1	negative	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4			IS + Cal. 4	IS + QC_4			m2021-0434-3	m2021-0404-2	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2			IS + Cal. 5	IS + QC_2		p2021-0291-1	p2021-0290-1	p2021-0127-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6				IS + Cal. 6			p2021-0315-1	p2021-0245-1	m2021-0402-6	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7				IS + Cal. 7			p2021-0296-1 blanks start	p2021-0289-1	p2021-0247-3	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8				IS + Cal. 8			p2021-0295-1	p2021-0095-2	m2021-0182-1	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

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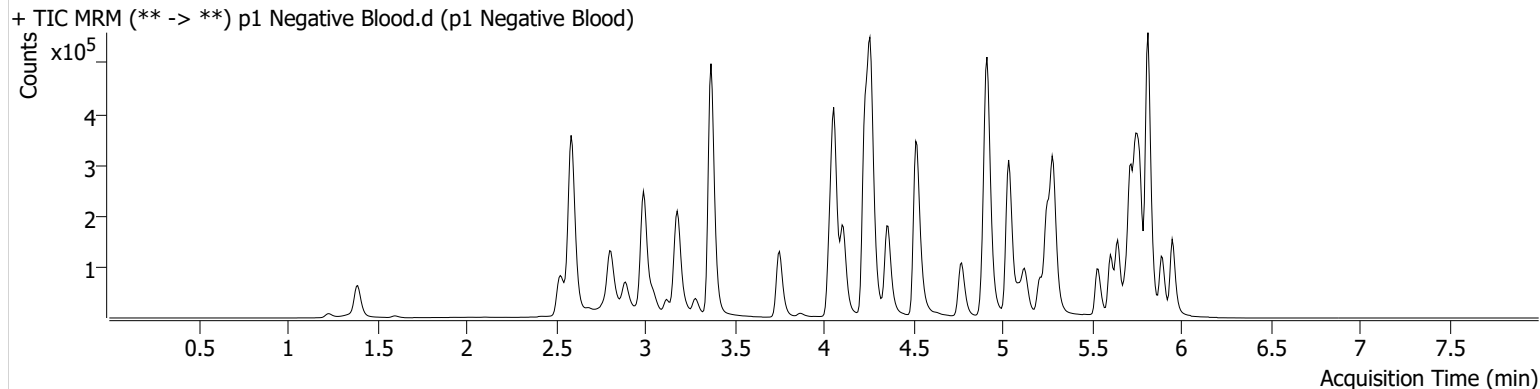


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

<b>Instrument Type</b>	Instrument 1 Sample	<b>Data File</b>	p1 Negative Blood.d
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Sample</b>	p1 Negative Blood
<b>Sample Position</b>	P2-C11	<b>Operator</b>	Sarah Collins
<b>Injection Volume</b>	2	<b>Comment</b>	
<b>Acq. Date-Time</b>	2/24/2021 2:28:53 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



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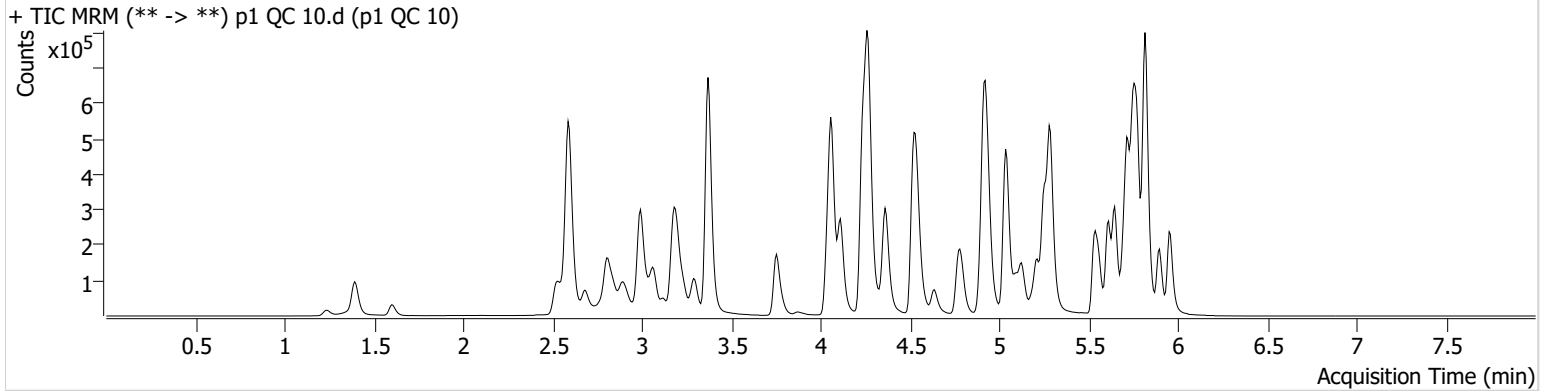


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 10:50:27 AM

<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>	Sarah Collins
<b>Sample Position</b>	P2-H11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/24/2021 2:50:04 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	3036	6570.39	69.4	1697.04	77057	0.9993 ng/ml
7-aminoclonazepam	4.278	67517	159.75	80.4	296.01	261369	9.4973 ng/ml
a-hydroxyalprazolam	5.698	38366	217.09	58.6	∞	442662	10.5357 ng/ml
alpha-PHP	4.937	31861	1387.42	263.7	1212.09	571320	10.0063 ng/ml
alpha-PVP	4.369	128962	360.94	51.7	982.80	571320	10.0821 ng/ml
Alprazolam	5.775	114306	550.63	112.4	741.03	442662	9.6588 ng/ml
Amphetamine	3.069	172090	1923.81	51.3	1568.91	196625	10.0319 ng/ml
Benzoylecgonine	3.899	4225	54.57	9.1	137.34	17192	8.7821 ng/ml
Buprenorphine	5.887	1520	55.37	17.9	208.74	62754	0.7894 ng/ml
Bupropion	4.794	108739	700.92	60.8	392.87	404313	9.6172 ng/ml
Carisoprodol	5.730	120974	239386.36	55.9	∞	620509	9.6113 ng/ml
Citalopram	5.212	53207	494.62	45.0	671.10	251886	9.5578 ng/ml
Clonazepam	5.611	142088	3751.85	31.7	371.04	166453	10.3461 ng/ml
Clonazepam	5.548	92534	2416.53	34.5	∞	166453	10.1480 ng/ml
Cocaine	4.264	108992	2915.32	52.1	1131.87	1046936	9.8085 ng/ml
Codeine	2.580	15193	474.11	103.9	205.14	78333	9.8407 ng/ml
Cyclobenzaprine	5.614	37415	3899.54	8.6	64.76	152364	9.8842 ng/ml
Dextromethorphan	5.261	29525	3259.07	80.7	105.05	145097	9.5519 ng/ml
Dextrophan	4.111	36617	3812.41	213.8	12059.29	455920	9.6397 ng/ml
Diazepam	5.960	74427	611.88	88.9	674.59	361051	9.6136 ng/ml
Dihydrocodeine	2.559	38921	286.02	61.8	249.47	222031	10.5365 ng/ml
Diphenhydramine	5.289	144208	295.76	33.7	536.22	901398	9.4342 ng/ml
Doxylamine	4.542	263278	6725.07	100.6	10477.26	1178679	9.6976 ng/ml
EDDP	5.254	91913	913.30	42.9	452.19	492983	9.4661 ng/ml
Etizolam	5.819	65229	7742.02	24.5	6733.83	166453	9.5007 ng/ml
Fentanyl	5.109	4297	143.79	62.6	204.89	202751	0.9964 ng/ml
Flualprazolam	5.705	56320	1438.52	93.7	934.09	442662	9.9146 ng/ml
Fluoxetine	5.707	42504	400.58	8.1	∞	172012	9.9768 ng/ml
Hydrocodone	3.018	54570	352.49	38.8	∞	651281	9.8538 ng/ml
Hydromorphone	1.601	48746	849.23	76.0	1828.79	9248	9.7456 ng/ml
Ketamine	4.058	104156	1959.51	39.3	703.68	518359	9.5787 ng/ml
Lamotrigine	4.287	11758	408.27	75.2	286.58	518359	9.6275 ng/ml
Levetiracetam	2.683	53078	1191.69	166.5	1204.99	1256879	9.2733 ng/ml

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# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	123107	249.59	58.8	620.22	166453	10.2336 ng/ml
MDA	3.203	161587	796.73	25.0	690.17	439515	10.4242 ng/ml
MDMA	3.296	98008	4264.88	77.0	2381.55	97205	10.0925 ng/ml
Meprobamate	4.924	71010	7479.21	28.3	100.20	331846	9.7633 ng/ml
Methadone	5.646	94234	645.73	45.0	∞	438170	9.7193 ng/ml
Methamphetamine	3.237	89456	229.76	38.5	109.94	354824	9.6048 ng/ml
Metoprolol	4.326	25823	∞	90.4	937.89	1193592	9.6000 ng/ml
Mirtazapine	4.637	106078	4251.31	49.0	3677.24	571320	9.5760 ng/ml
Mitragynine	5.236	17351	2492.51	39.0	8050.97	438170	10.5738 ng/ml
Morphine	1.239	7306	1651.68	27.3	1112.72	9248	9.4543 ng/ml
Norbuprenorphine	4.985	183	13.89	94.2	356.80	9941	0.6989 ng/ml
Nordiazepam	5.899	74941	485.98	58.6	451.82	260099	9.7610 ng/ml
Norfentanyl	4.086	22049	2392.47	35.9	115.63	993030	0.9580 ng/ml
Norhydrocodone	3.066	9140	146.33	42.4	113.75	89223	9.3775 ng/ml
Noroxycodone	2.909	63595	455.31	42.1	394.28	221339	10.2637 ng/ml
O-desmethyl-tramadol	3.376	224221	1041.90	6.9	3464.07	1438822	9.3608 ng/ml
Oxazepam	5.756	149593	2167.44	72.7	∞	602157	9.7150 ng/ml
Oxycodone	2.834	115269	1245.14	27.2	588.06	508629	9.7332 ng/ml
Oxymorphone	1.398	59862	2210.07	43.5	2725.96	220253	9.8478 ng/ml
Phentermine	3.790	37964	898.52	4.8	51.51	445727	9.7256 ng/ml
Promethazine	5.531	73465	3585.50	27.0	349.21	316052	9.7489 ng/ml
Pseudoephedrine	2.603	246185	5601.41	17.1	984.21	1256879	9.3196 ng/ml
Quetiapine	5.562	72835	∞	58.2	80.93	100097	9.8701 ng/ml
Sertraline	5.775	21180	877.46	98.2	154.14	102239	10.1025 ng/ml
Temazepam	5.823	251957	∞	29.0	276.68	1232817	9.8331 ng/ml
Tramadol	4.245	239777	22947.00	3.6	127.34	1193592	9.8140 ng/ml
Trazodone	5.183	71005	6468.61	80.7	11557.94	305484	9.6503 ng/ml
Venlafaxine	5.036	179669	1471.37	40.7	173.98	945944	9.6444 ng/ml
Zolpidem	4.941	268831	5719.01	31.1	1032.05	1306176	9.7976 ng/ml



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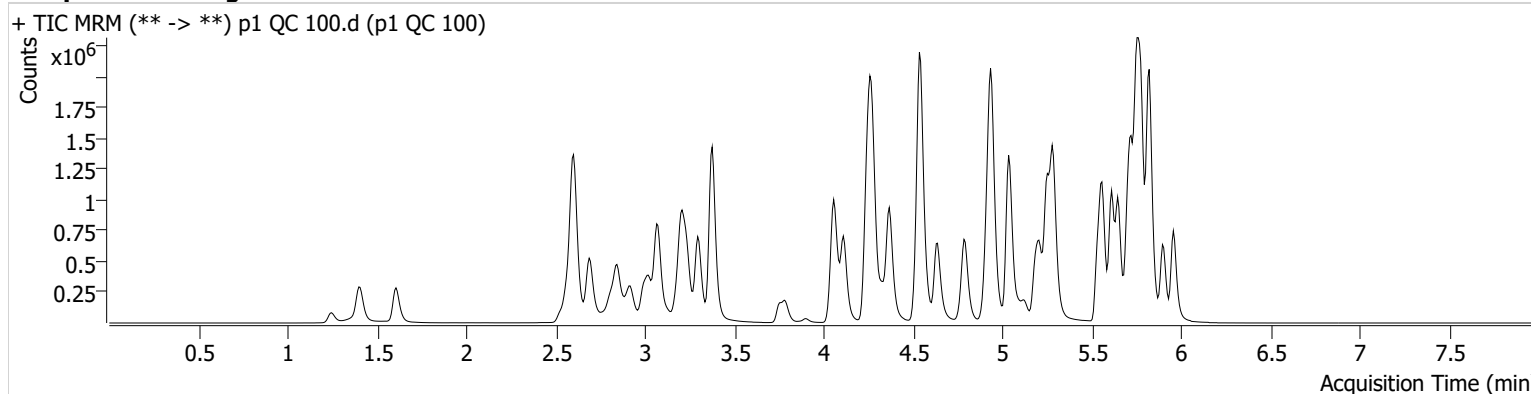


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

<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>	Sarah Collins
<b>Sample Position</b>	P2-G11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/24/2021 8:39:48 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	29189	911.49	71.3	26593.91	72882	10.3449 ng/ml
7-aminoclonazepam	4.278	580300	502.80	81.2	10113.58	203535	105.9709 ng/ml
a-hydroxyalprazolam	5.698	297695	584.71	58.6	1649.87	370676	104.6834 ng/ml
alpha-PHP	4.937	287676	5837.21	262.1	6500.69	500340	110.7664 ng/ml
alpha-PVP	4.369	1202436	1989.90	53.2	12007.59	500340	106.1472 ng/ml
Alprazolam	5.775	1049493	1962.46	114.5	11628.64	370676	106.2039 ng/ml
Amphetamine	3.076	1366123	24193.92	50.6	10670.75	159003	108.2461 ng/ml
Benzoylecgonine	3.899	48514	474.85	7.8	306.91	15265	115.8990 ng/ml
Buprenorphine	5.887	15554	320.43	14.7	1576.66	54297	9.4792 ng/ml
Bupropion	4.794	977462	38339.90	60.4	1482.42	335409	106.0556 ng/ml
Carisoprodol	5.730	1025771	24550.10	53.8	7077.99	466798	105.1494 ng/ml
Citalopram	5.212	526368	21193.41	44.9	7626.10	233584	101.4194 ng/ml
Clonazepam	5.611	1222836	∞	32.8	775.77	139159	113.3818 ng/ml
Clonazepam	5.548	821152	4286.22	37.3	18073.11	139159	112.5037 ng/ml
Cocaine	4.264	1028710	118918.70	52.3	1147434.82	892804	107.6501 ng/ml
Codeine	2.586	134403	∞	105.8	∞	66495	110.8345 ng/ml
Cyclobenzaprine	5.614	371021	16451.80	8.8	931.18	141076	106.1582 ng/ml
Dextromethorphan	5.261	299954	6789.51	78.4	41930.53	134381	104.9545 ng/ml
Dextrophan	4.111	365021	831.87	209.0	22834.07	407992	107.0232 ng/ml
Diazepam	5.959	688387	1269.22	87.8	6905.87	307923	105.3970 ng/ml
Dihydrocodeine	2.559	369602	745.66	62.4	2081.02	207070	111.8825 ng/ml
Diphenhydramine	5.289	1462779	152628.28	33.1	∞	829873	102.5966 ng/ml
Doxylamine	4.536	2723063	∞	97.0	306019.45	1105045	109.1210 ng/ml
EDDP	5.254	1014330	19974.86	43.6	25549.89	501944	102.3215 ng/ml
Etizolam	5.819	582062	1960.94	25.3	2392.77	139159	99.4518 ng/ml
Fentanyl	5.109	40441	1680.66	71.7	96977.72	183254	10.3549 ng/ml
Flualprazolam	5.705	500193	1560.31	97.0	4277.45	370676	109.3250 ng/ml
Fluoxetine	5.707	374984	1117.75	8.7	325.71	142978	110.1373 ng/ml
Hydrocodone	3.025	549900	∞	35.2	∞	601608	116.3496 ng/ml
Hydromorphone	1.608	456649	1719.23	76.8	6361.21	8625	102.7041 ng/ml
Ketamine	4.058	998870	2565.42	38.2	6217.16	464576	107.7633 ng/ml
Lamotrigine	4.287	102795	5456.73	79.6	6356.02	464576	100.0874 ng/ml
Levetiracetam	2.690	512973	45692.53	163.2	17238.84	1064864	96.0976 ng/ml

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# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	891264	∞	59.0	∞	139159	96.9596 ng/ml
MDA	3.209	1348681	∞	25.3	7127.07	370184	110.9319 ng/ml
MDMA	3.296	941024	1243119.46	79.7	13028.79	87043	109.2681 ng/ml
Meprobamate	4.924	604047	41925.36	27.5	6501.97	294800	102.7612 ng/ml
Methadone	5.652	980937	3588.87	44.7	∞	414093	105.9591 ng/ml
Methamphetamine	3.237	803291	3874.55	38.3	1287.02	306947	113.2442 ng/ml
Metoprolol	4.326	248778	760091.49	89.9	14892.42	1045413	111.3615 ng/ml
Mirtazapine	4.637	1077627	8658.22	47.7	35449.94	500340	108.7916 ng/ml
Mitragynine	5.236	167256	4752.13	39.5	106585.79	414093	114.7618 ng/ml
Morphine	1.246	70804	494.84	26.7	254.16	8625	101.4986 ng/ml
Norbuprenorphine	4.985	1970	182.39	108.2	∞	9460	10.2149 ng/ml
Nordiazepam	5.906	689750	535.27	58.1	788.67	218507	108.0427 ng/ml
Norfentanyl	4.086	221529	426.47	33.7	3233.34	887488	10.2188 ng/ml
Norhydrocodone	3.066	80554	∞	41.1	227.42	70606	101.0733 ng/ml
Noroxycodone	2.916	573435	6094.10	40.9	494.55	189475	110.5317 ng/ml
O-desmethyl-tramadol	3.376	2222064	65044.89	6.8	737.97	1274772	104.3634 ng/ml
Oxazepam	5.756	1205568	∞	73.7	7622.42	443666	110.7284 ng/ml
Oxycodone	2.841	1118651	2168.47	27.2	3154.20	466578	106.9175 ng/ml
Oxymorphone	1.405	567284	∞	40.5	1070.06	195417	109.1952 ng/ml
Phentermine	3.790	354770	3688.95	4.9	1239.53	392262	111.7885 ng/ml
Promethazine	5.531	742465	44818.55	28.2	228.78	298338	105.9811 ng/ml
Pseudoephedrine	2.603	2355595	∞	16.7	6821.99	1064864	102.4485 ng/ml
Quetiapine	5.562	736051	∞	58.4	200.82	91554	110.1213 ng/ml
Sertraline	5.775	180215	2249.03	102.5	20778.46	85517	102.6779 ng/ml
Temazepam	5.823	2128055	71887.92	28.5	6716.14	968875	103.3154 ng/ml
Tramadol	4.245	2279362	∞	3.7	∞	1045413	111.3272 ng/ml
Trazodone	5.183	727656	10706.92	79.4	666236.69	292885	106.7391 ng/ml
Venlafaxine	5.036	1835161	1356.15	40.4	797.91	871511	105.5775 ng/ml
Zolpidem	4.941	2550449	81862.37	30.7	125591.44	1188388	108.6076 ng/ml

8C

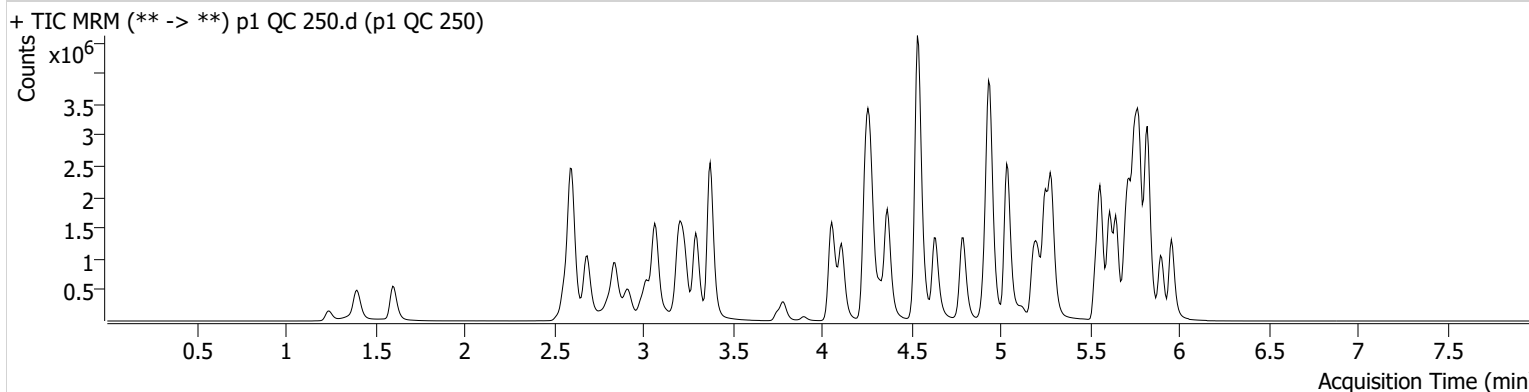


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 QC 250.d
<b>Type</b>	QC	<b>Sample</b>	p1 QC 250
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-F11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/24/2021 3:11:17 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	66829	2553.99	71.8	779.85	69538	24.8526 ng/ml
7-aminoclonazepam	4.278	1091171	30322.56	78.9	39231.44	166510	243.7190 ng/ml
a-hydroxyalprazolam	5.691	485773	3051.88	59.4	2667.61	315300	201.6052 ng/ml
alpha-PHP	4.937	570901	24929.60	261.4	34579.91	477313	231.3056 ng/ml
alpha-PVP	4.369	2641916	76391.61	52.7	26460.20	477313	244.3098 ng/ml
Alprazolam	5.775	2085597	14265.80	115.3	3793.32	315300	248.1600 ng/ml
Amphetamine	3.069	2883494	23320.82	50.1	21004.86	150168	243.2866 ng/ml
Benzoylecgonine	3.899	104696	2667.58	7.8	530.61	14963	255.3990 ng/ml
Buprenorphine	5.887	30121	1720.59	16.2	14685.93	40239	24.7915 ng/ml
Bupropion	4.794	2108284	100127.51	61.0	2674.99	317876	241.6073 ng/ml
Carisoprodol	5.730	1746600	139722.17	55.1	35488.25	349509	238.7276 ng/ml
Citalopram	5.212	1053724	1113.77	43.5	374.65	196602	241.1425 ng/ml
Clonazepam	5.611	2282288	45766.83	32.8	527.69	118259	249.8996 ng/ml
Clonazepam	5.548	1594867	5648.55	37.5	∞	118259	257.7668 ng/ml
Cocaine	4.264	2161071	419606.09	52.2	42355.05	826777	244.0924 ng/ml
Codeine	2.580	251903	9474.61	106.0	10419.43	62269	222.7073 ng/ml
Cyclobenzaprine	5.614	616672	483.07	8.9	787.55	100059	248.8173 ng/ml
Dextromethorphan	5.261	529475	183765.21	80.0	401.26	103043	241.6310 ng/ml
Dextrophan	4.111	772275	1408.68	207.8	1807.62	376427	245.3698 ng/ml
Diazepam	5.959	1395774	26195.40	88.5	847.41	271991	242.0849 ng/ml
Dihydrocodeine	2.559	785310	4380.51	62.3	1419.96	204179	241.6659 ng/ml
Diphenhydramine	5.289	2880631	3137.20	33.5	1413.70	700407	239.2092 ng/ml
Doxylamine	4.536	6073791	170381.66	97.5	151232.74	1066041	252.5791 ng/ml
EDDP	5.254	2171814	46910.97	42.1	1360.98	452477	242.9965 ng/ml
Etizolam	5.819	1224983	3224.38	24.8	∞	118259	245.9946 ng/ml
Fentanyl	5.109	75312	291.74	71.6	1124906.25	148495	23.7947 ng/ml
Flualprazolam	5.705	962777	4696.64	100.2	19516.86	315300	247.9357 ng/ml
Fluoxetine	5.707	472267	35449.01	8.9	1342.55	81635	243.4754 ng/ml
Hydrocodone	3.018	1102769	∞	38.1	∞	589382	239.1030 ng/ml
Hydromorphone	1.601	954712	6559.81	74.5	1244.51	7687	241.6426 ng/ml
Ketamine	4.058	2193889	88809.51	37.9	940.55	448432	245.9018 ng/ml
Lamotrigine	4.287	203802	7542.39	82.1	4100.29	448432	206.3208 ng/ml
Levetiracetam	2.690	1066475	∞	163.9	43313.73	986653	214.4672 ng/ml

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# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.746	1242208	190.49	55.1	283.77	118259	159.7192 ng/ml
MDA	3.209	2633898	1035.94	24.8	587.23	331030	243.2826 ng/ml
MDMA	3.296	2013401	∞	79.1	55887.96	81954	248.4438 ng/ml
Meprobamate	4.924	987237	141666.70	27.1	22177.16	257050	193.5602 ng/ml
Methadone	5.646	1820205	157453.76	46.3	1015.24	338925	240.0824 ng/ml
Methamphetamine	3.237	1507001	1364.29	38.6	833.41	265437	247.3621 ng/ml
Metoprolol	4.326	523241	∞	91.7	4702.92	1001091	245.2805 ng/ml
Mirtazapine	4.637	2263442	404524.62	47.7	166224.85	477313	239.2692 ng/ml
Mitragynine	5.236	301578	23257.89	40.1	18075.05	338925	253.7225 ng/ml
Morphine	1.239	147162	1314.95	27.7	359.20	7687	237.1657 ng/ml
Norbuprenorphine	4.992	3857	122.20	100.7	270.66	7678	24.9610 ng/ml
Nordiazepam	5.899	1315896	∞	59.1	1251.12	190209	236.9200 ng/ml
Norfentanyl	4.086	494691	4195.29	33.8	863.15	809974	24.9253 ng/ml
Norhydrocodone	3.066	149987	247.06	41.5	113.30	56015	236.7664 ng/ml
Noroxycodone	2.916	1082658	733.99	41.8	494.02	162492	243.6441 ng/ml
O-desmethyl-tramadol	3.376	4997651	199857.61	6.8	24337.35	1238093	241.6335 ng/ml
Oxazepam	5.756	1836987	∞	74.7	∞	311883	240.5389 ng/ml
Oxycodone	2.841	2486926	4824.27	26.9	17017.87	453057	245.3185 ng/ml
Oxymorphone	1.398	1106183	∞	42.3	∞	167000	249.6901 ng/ml
Phentermine	3.789	707640	12850.17	4.5	1507.21	360451	243.6937 ng/ml
Promethazine	5.531	1232381	1050.50	28.3	17804.51	218112	240.8273 ng/ml
Pseudoephedrine	2.603	5141564	∞	16.6	2275.22	986653	240.9708 ng/ml
Quetiapine	5.562	1590951	726715.43	58.9	1975.55	87215	249.9995 ng/ml
Sertraline	5.775	234105	12077.93	102.7	10150.24	46848	243.4640 ng/ml
Temazepam	5.823	3767595	23586.25	29.0	11476.72	716447	247.0225 ng/ml
Tramadol	4.245	4874603	282525.89	3.7	959.23	1001091	249.2251 ng/ml
Trazodone	5.183	1596240	218444.07	80.0	869.95	279674	245.6917 ng/ml
Venlafaxine	5.036	4072839	177795.51	39.3	271494.14	828600	246.2684 ng/ml
Zolpidem	4.941	5663081	∞	30.3	99114.04	1146730	250.8048 ng/ml

\*OCR

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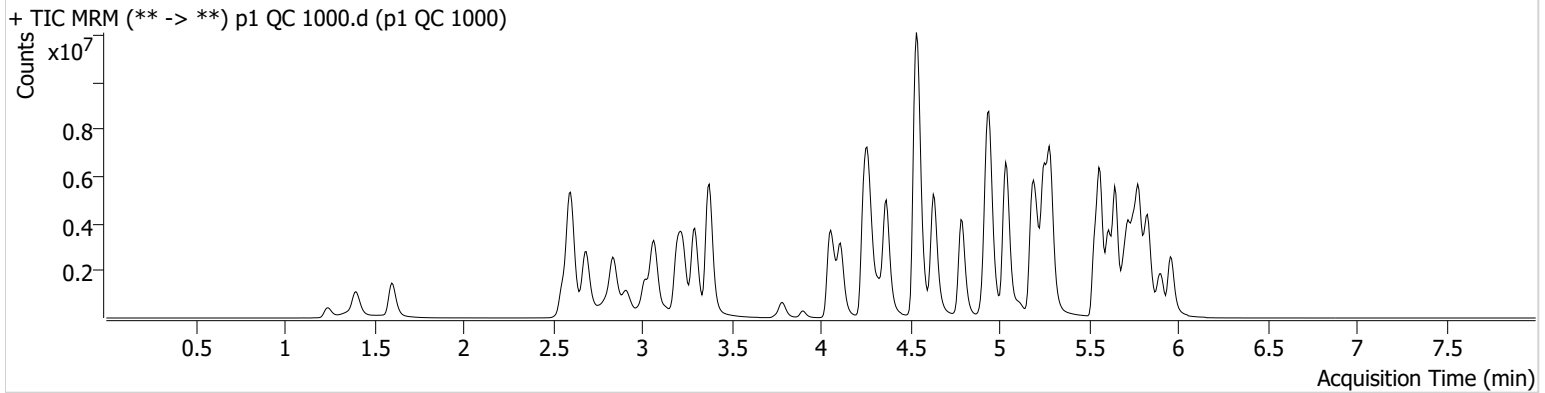


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

<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>	Sarah Collins
<b>Sample Position</b>	P2-E11	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/24/2021 3:32:29 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	246818	2062.41	71.3	21493.35	63410	100.7195 ng/ml
7-aminoclonazepam	4.284	1929985	11879.15	78.9	59773.51	69204	1037.5623 ng/ml
* a-hydroxyalprazolam	<del>5.691</del>	<del>739723</del>	<del>341.58</del>	<del>58.7</del>	<del>259.12</del>	<del>184339</del>	<del>526.4733 ng/ml</del>
* alpha-PHP	<del>4.937</del>	<del>1402256</del>	<del>207893.62</del>	<del>268.8</del>	<del>∞</del>	<del>355055</del>	<del>765.6468 ng/ml</del>
alpha-PVP	4.369	8235714	4194.24	52.5	1013.66	355055	1023.4434 ng/ml
Alprazolam	5.781	4871358	∞	112.3	2948.87	184339	991.5133 ng/ml
Amphetamine	3.069	6411516	31661.03	50.3	66130.68	100808	808.3938 ng/ml
Benzoylcegonine	3.899	487779	29080.70	7.9	∞	15261	1167.3650 ng/ml
* Buprenorphine	<del>5.887</del>	<del>106330</del>	<del>6609.79</del>	<del>14.5</del>	<del>24350.16</del>	<del>27366</del>	<del>128.7369 ng/ml</del>
Bupropion	4.788	6884710	462422.01	60.4	62837.32	257097	976.0710 ng/ml
Carisoprodol	5.730	3288876	∞	54.3	42236.75	143281	1095.4277 ng/ml
Citalopram	5.212	3539303	175017.83	43.3	14448.55	158087	1007.1162 ng/ml
Clonazepam	5.611	4246911	48211.22	32.6	34814.85	64351	856.3531 ng/ml
Clonazepam	5.555	2762947	84060.04	38.7	46469.51	64351	821.7238 ng/ml
Cocaine	4.264	6102099	322919.75	50.8	139931.26	555849	1024.8805 ng/ml
* Codeine	<del>2.580</del>	<del>579636</del>	<del>∞</del>	<del>97.4</del>	<del>37112.75</del>	<del>44291</del>	<del>722.4389 ng/ml</del>
Cyclobenzaprine	5.614	2508857	2218.39	8.7	11804.56	98159	1031.9762 ng/ml
Dextromethorphan	5.261	1597002	6140.14	79.2	23602.96	74416	1009.2221 ng/ml
Dextrophan	4.111	2308315	1282.22	208.4	1866.22	265883	1038.2142 ng/ml
Diazepam	5.959	3422893	5974.36	87.8	∞	171923	939.5505 ng/ml
* Dihydrocodeine	<del>2.552</del>	<del>2136822</del>	<del>40601.72</del>	<del>64.9</del>	<del>386.10</del>	<del>188108</del>	<del>714.7258 ng/ml</del>
Diphenhydramine	5.289	10102555	632242.75	33.8	71353.43	589120	996.9704 ng/ml
Doxylamine	4.536	18475045	569418.33	98.1	870653.90	932082	879.2324 ng/ml
EDDP	5.254	8116490	123451.96	42.8	97954.11	414195	991.9704 ng/ml
Etizolam	5.819	3073128	17695.91	25.1	656.20	64351	1133.3712 ng/ml
Fentanyl	5.109	337405	1007.28	72.6	2746009.45	162467	97.4278 ng/ml
Flualprazolam	5.705	2092086	6595.05	99.0	∞	184339	922.6900 ng/ml
Fluoxetine	5.707	1151907	30277.21	9.2	7897.74	53333	910.2041 ng/ml
Hydrocodone	3.018	3454175	∞	36.7	538.99	506418	873.9946 ng/ml
Hydromorphone	1.601	2751961	∞	75.9	∞	6019	890.9289 ng/ml
Ketamine	4.058	6870004	6083.02	37.4	4405.11	379706	910.8616 ng/ml
* Lamotrigine	<del>4.287</del>	<del>443964</del>	<del>2552.41</del>	<del>80.9</del>	<del>∞</del>	<del>379706</del>	<del>531.9114 ng/ml</del>
Levetiracetam	2.690	3028397	2067741.29	164.2	91240.13	608254	984.5185 ng/ml

8C



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* <del>Lorazepam</del>	<del>5.746</del>	<del>1417581</del>	<del>∞</del>	<del>57.0</del>	<del>2850.11</del>	<del>64351</del>	<del>336.1493 ng/ml</del>
MDA	3.203	6033740	82605.83	24.6	63787.38	227929	811.3988 ng/ml
MDMA	3.296	5810052	361412.30	80.6	11266.24	61585	954.3663 ng/ml
* <del>Meprobamate</del>	<del>4.917</del>	<del>1630119</del>	<del>152849.39</del>	<del>27.5</del>	<del>∞</del>	<del>190245</del>	<del>433.1672 ng/ml</del>
Methadone	5.646	7238803	165200.52	44.8	127826.59	319470	1012.5794 ng/ml
Methamphetamine	3.231	4399339	27555.29	38.4	14392.76	209929	916.9366 ng/ml
Metoprolol	4.326	1399285	8334971.53	91.7	4647.46	766584	858.0443 ng/ml
Mirtazapine	4.630	9214300	260570.21	48.0	96270.76	355055	1308.4809 ng/ml
Mitragynine	5.236	1002536	9519.54	39.1	57502.09	319470	896.7115 ng/ml
Morphine	1.239	456689	∞	28.0	1213.93	6019	940.9257 ng/ml
Norbuprenorphine	4.985	13937	30092.52	97.2	7082.45	6879	101.3645 ng/ml
Nordiazepam	5.906	2783857	26426.70	58.5	168762.15	102182	933.3307 ng/ml
* <del>Norfentanyl</del>	<del>4.086</del>	<del>1535678</del>	<del>23509.43</del>	<del>33.9</del>	<del>13563.34</del>	<del>504868</del>	<del>123.9226 ng/ml</del>
Norhydrocodone	3.066	469054	∞	41.8	464.03	37659	1100.1452 ng/ml
Noroxycodone	2.909	2448428	∞	43.7	952.96	96834	925.3182 ng/ml
O-desmethyl-tramadol	3.376	14428000	511813.47	7.1	1154.03	898499	961.1431 ng/ml
Oxazepam	5.756	2003345	14623.82	74.9	916.22	96486	849.0698 ng/ml
Oxycodone	2.834	8046901	4533.17	26.6	955.99	389813	923.6927 ng/ml
Oxymorphone	1.398	3227482	∞	41.9	2732.28	127856	952.7182 ng/ml
Phentermine	3.790	1810826	∞	4.5	1555.57	278164	810.1309 ng/ml
Promethazine	5.531	5025894	2580.72	28.3	2510.44	215076	996.5212 ng/ml
Pseudoephedrine	2.603	13762519	∞	16.4	6541.64	608254	1045.3652 ng/ml
Quetiapine	5.562	6765004	1010816.78	60.7	92744.71	96138	964.6851 ng/ml
Sertraline	5.775	629532	22458.42	100.5	98298.61	31298	979.9559 ng/ml
Temazepam	5.830	5956995	24818.02	28.6	21279.91	269407	1037.8862 ng/ml
Tramadol	4.245	12395175	∞	3.8	∞	766584	828.7305 ng/ml
Trazodone	5.183	8042301	1819235.98	80.8	∞	395036	877.3222 ng/ml
Venlafaxine	5.036	12553020	246031.77	40.3	1187.22	617971	1017.3213 ng/ml
Zolpidem	4.941	16062381	∞	31.7	6957.01	984083	830.5145 ng/ml

\*OCR

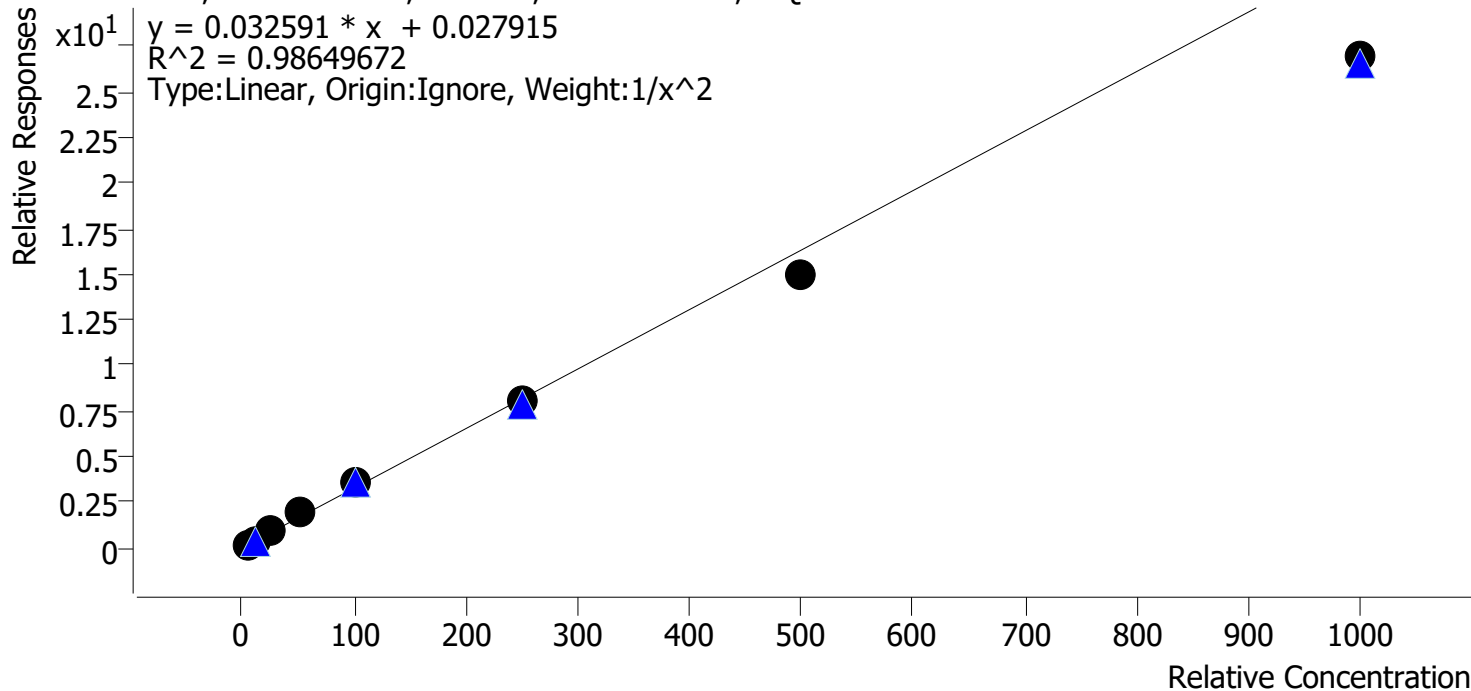
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	57.7	115.4
p1 Cal 5-100ng	5	✓	100.0	107.1	107.1
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	460.5	92.1
p1 Cal 8-1000ng	8	✓	1000.0	825.2	82.5

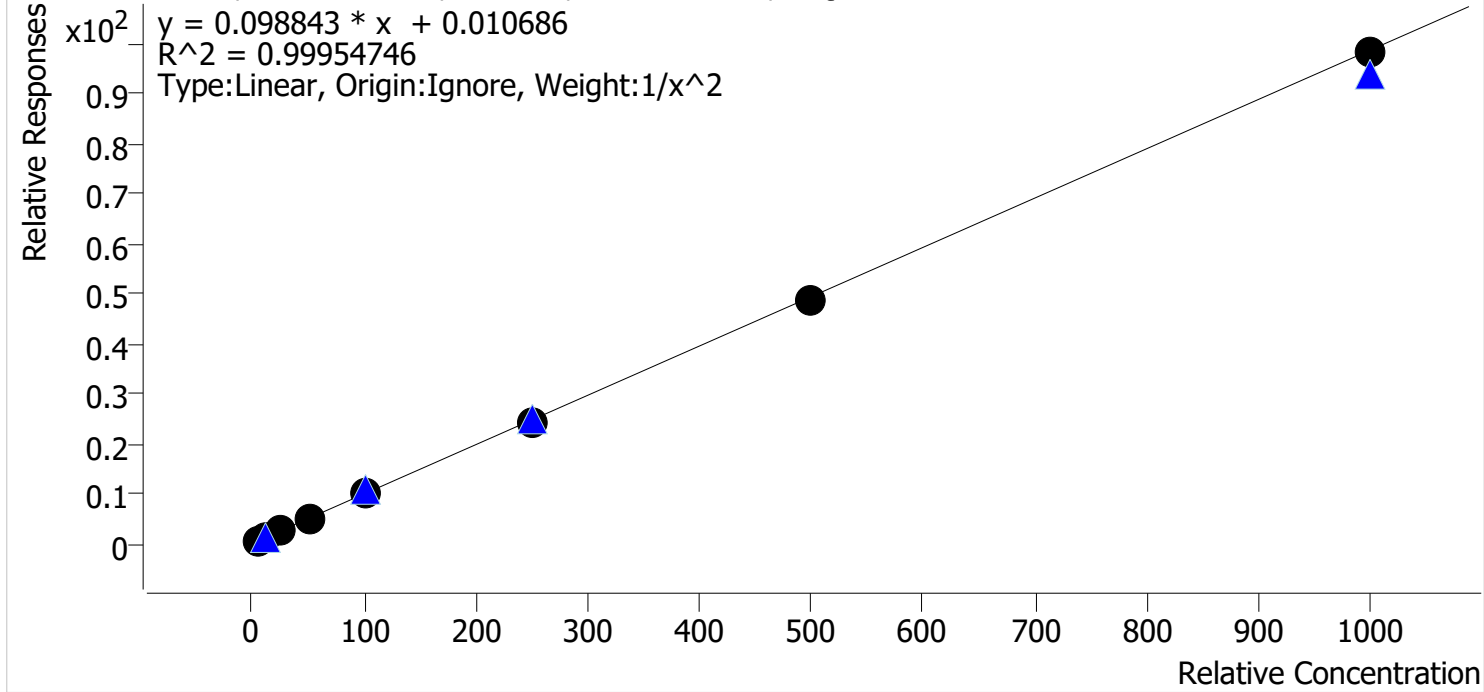
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	491.5	98.3
p1 Cal 8-1000ng	8	✓	1000.0	995.0	99.5



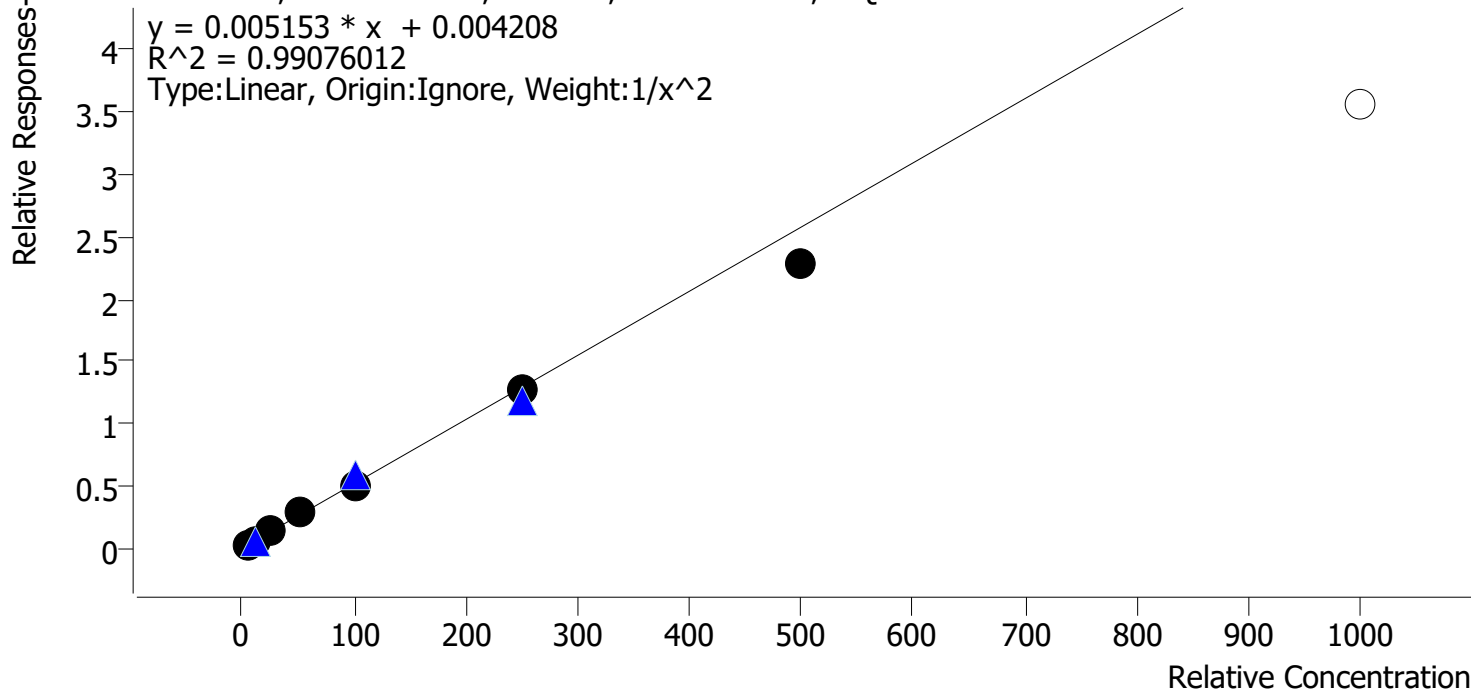
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

alpha-PHP - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.5	105.0
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	56.6	113.3
p1 Cal 5-100ng	5	✓	100.0	94.7	94.7
p1 Cal 6-250ng	6	✓	250.0	243.6	97.5
p1 Cal 7-500ng	7	✓	500.0	445.1	89.0
p1 Cal 8-1000ng	8	✗	1000.0	692.1	69.2

Cal 8 dropped due to not meeting accuracy requirement.

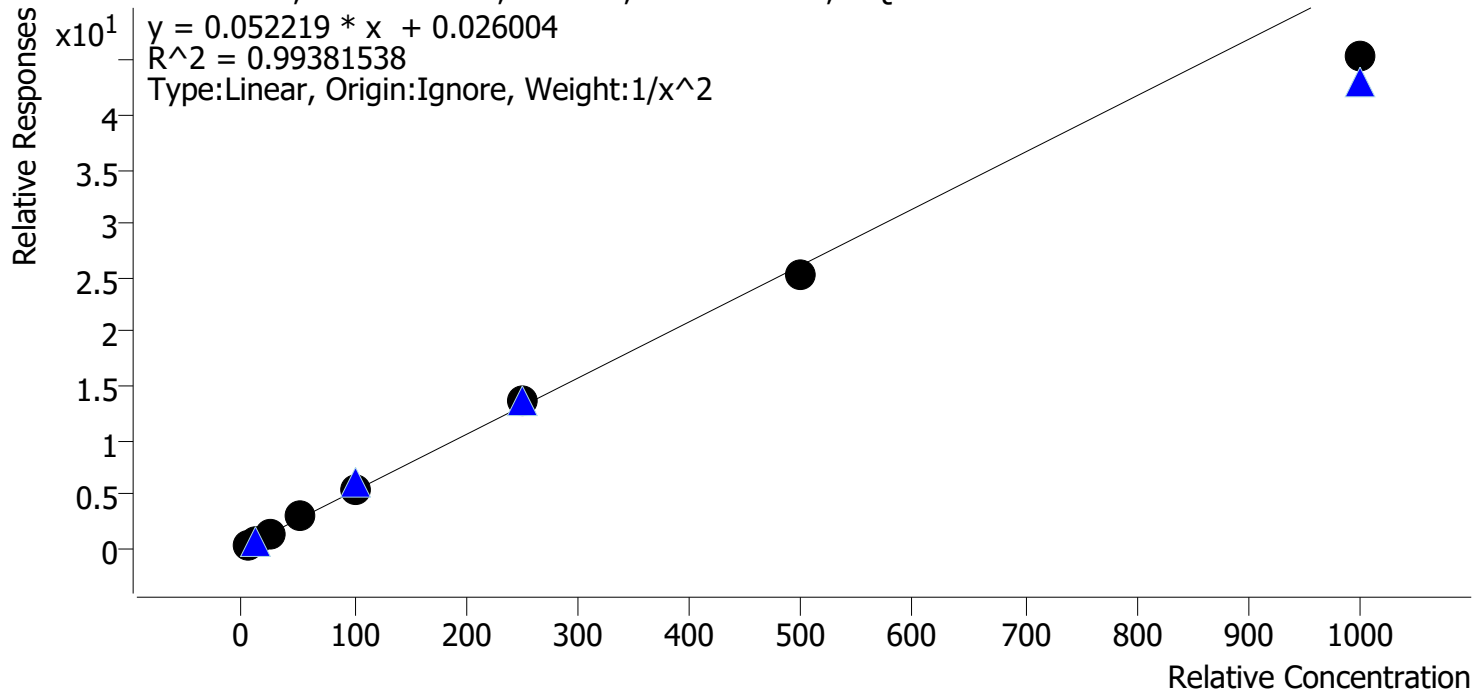
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

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



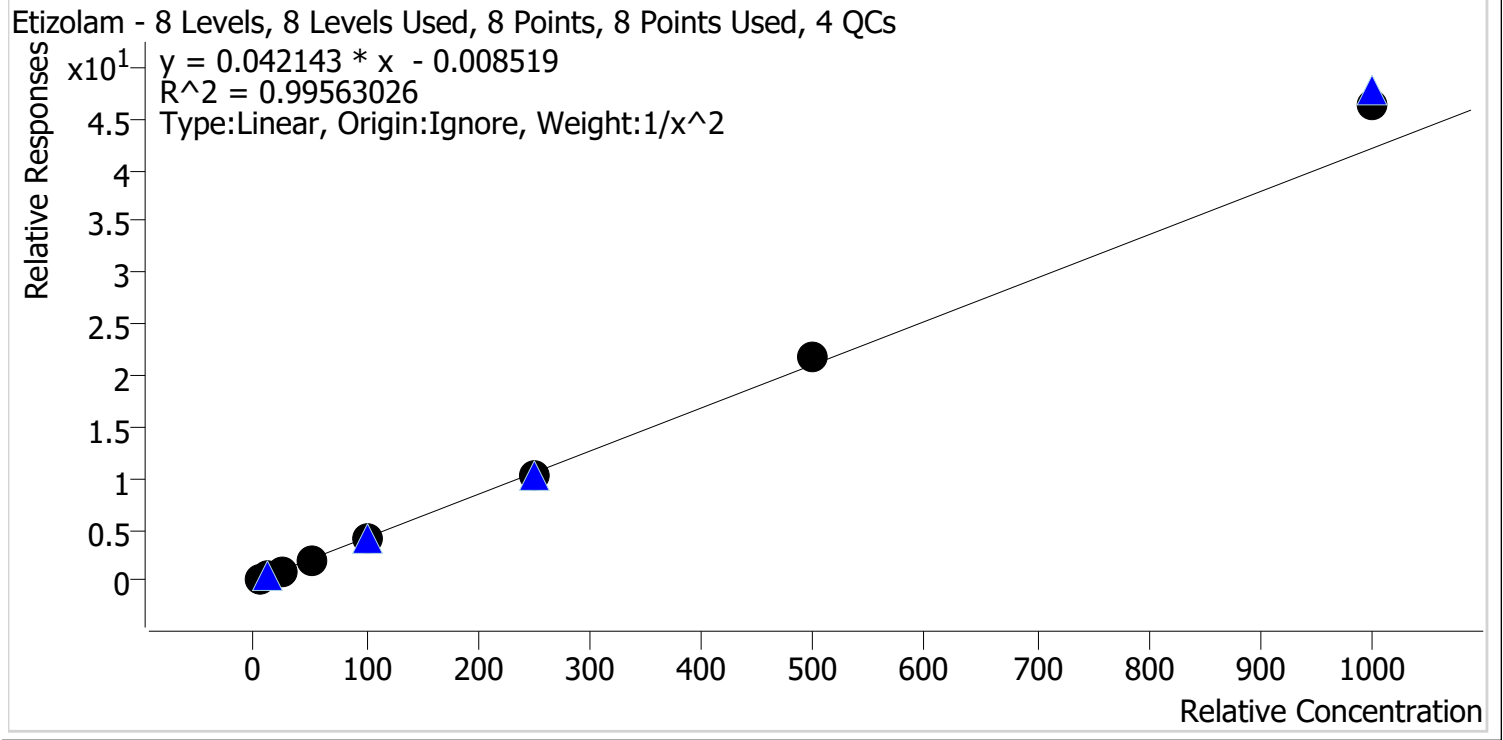
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	55.2	110.5
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	261.1	104.4
p1 Cal 7-500ng	7	✓	500.0	482.7	96.5
p1 Cal 8-1000ng	8	✓	1000.0	869.6	87.0

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4



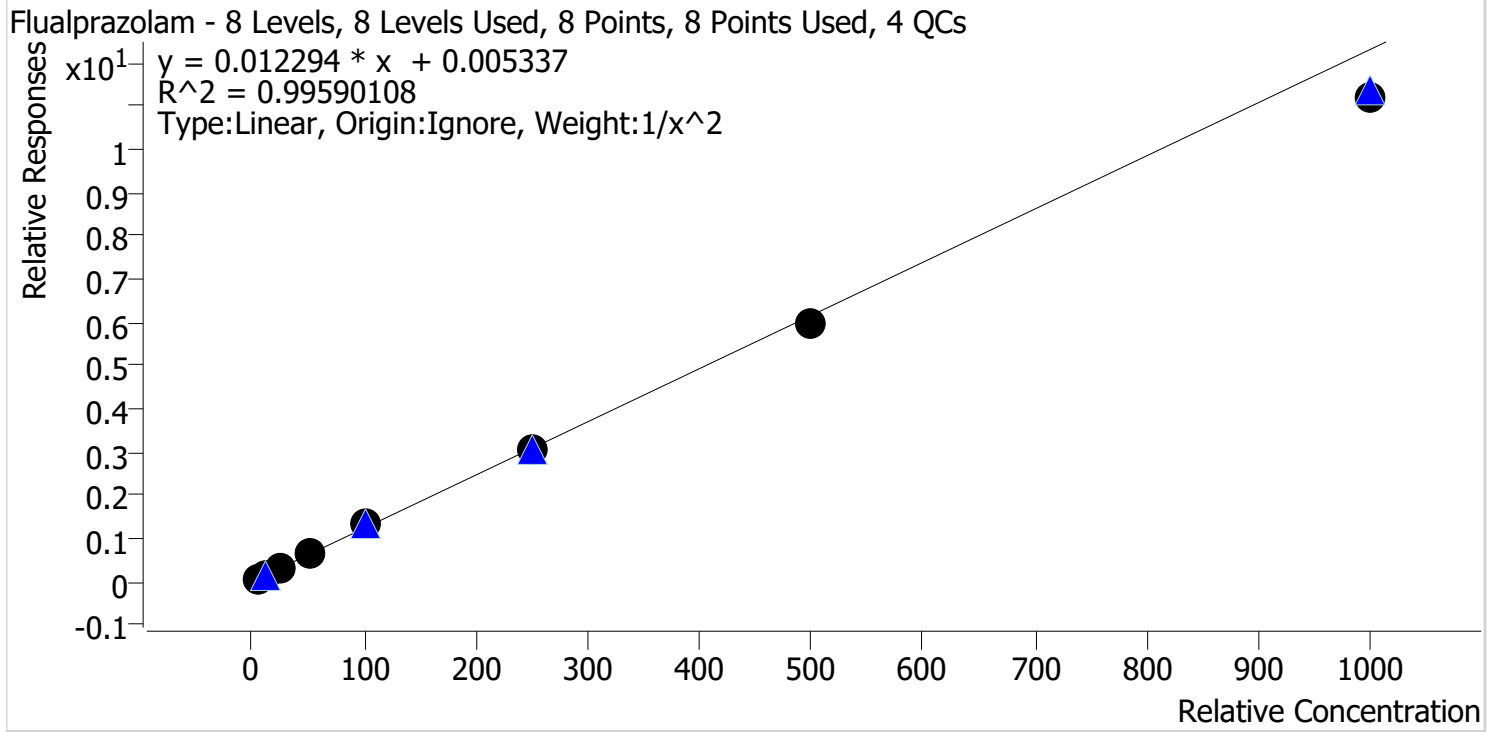
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.5
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	239.5	95.8
p1 Cal 7-500ng	7	✓	500.0	520.8	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1102.5	110.3

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



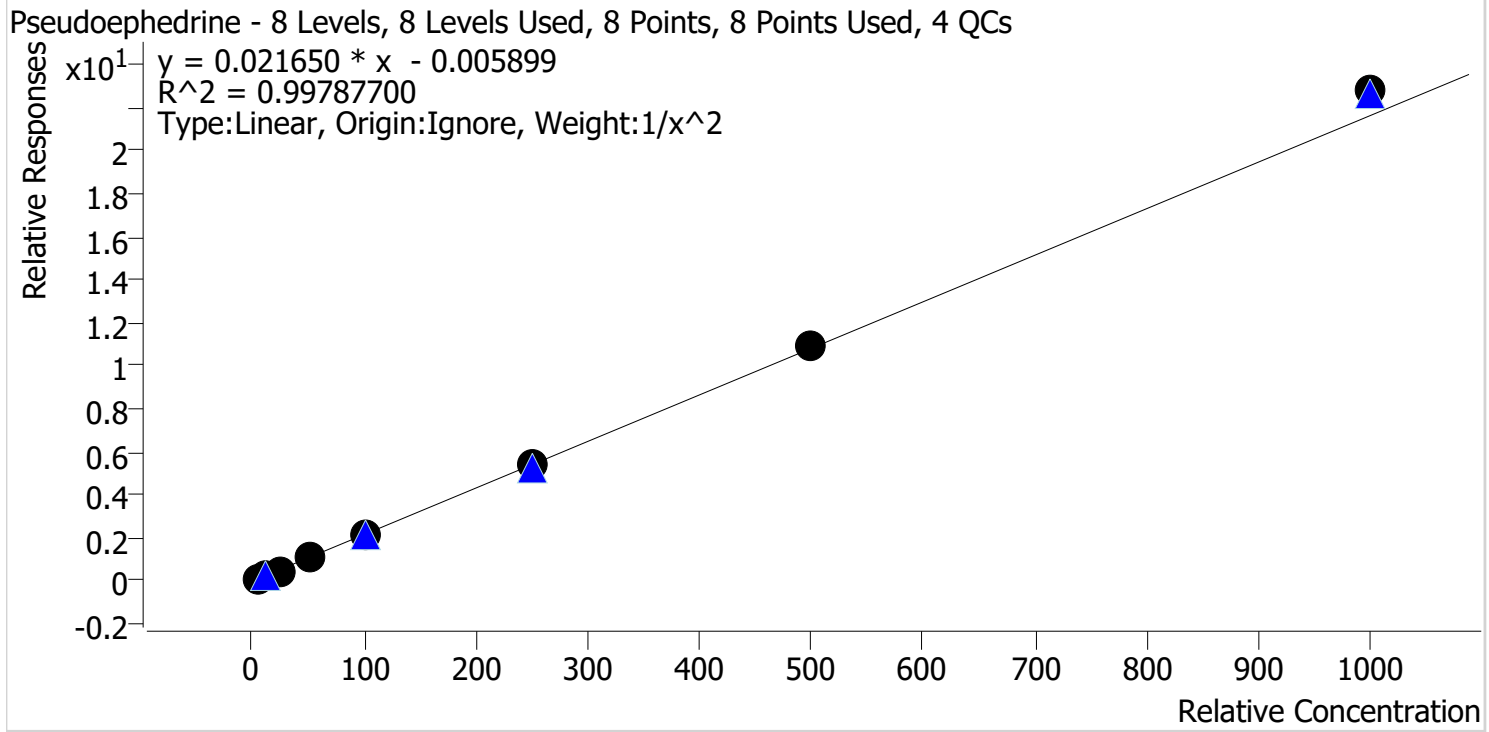
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	54.7	109.5
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	482.9	96.6
p1 Cal 8-1000ng	8	✓	1000.0	911.1	91.1

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	23.2	93.0
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	509.3	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1053.7	105.4

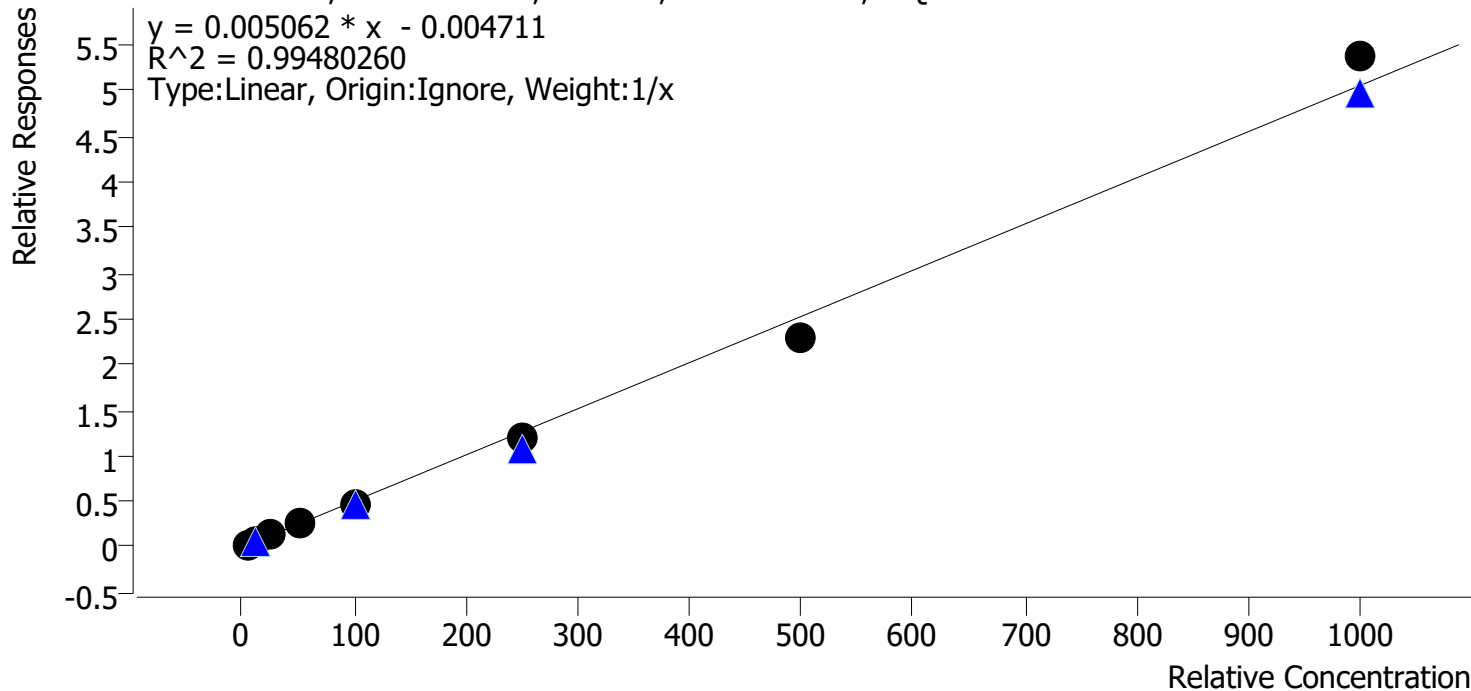
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	112.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	91.0	91.0
p1 Cal 6-250ng	6	✓	250.0	241.0	96.4
p1 Cal 7-500ng	7	✓	500.0	454.6	90.9
p1 Cal 8-1000ng	8	✓	1000.0	1062.5	106.3

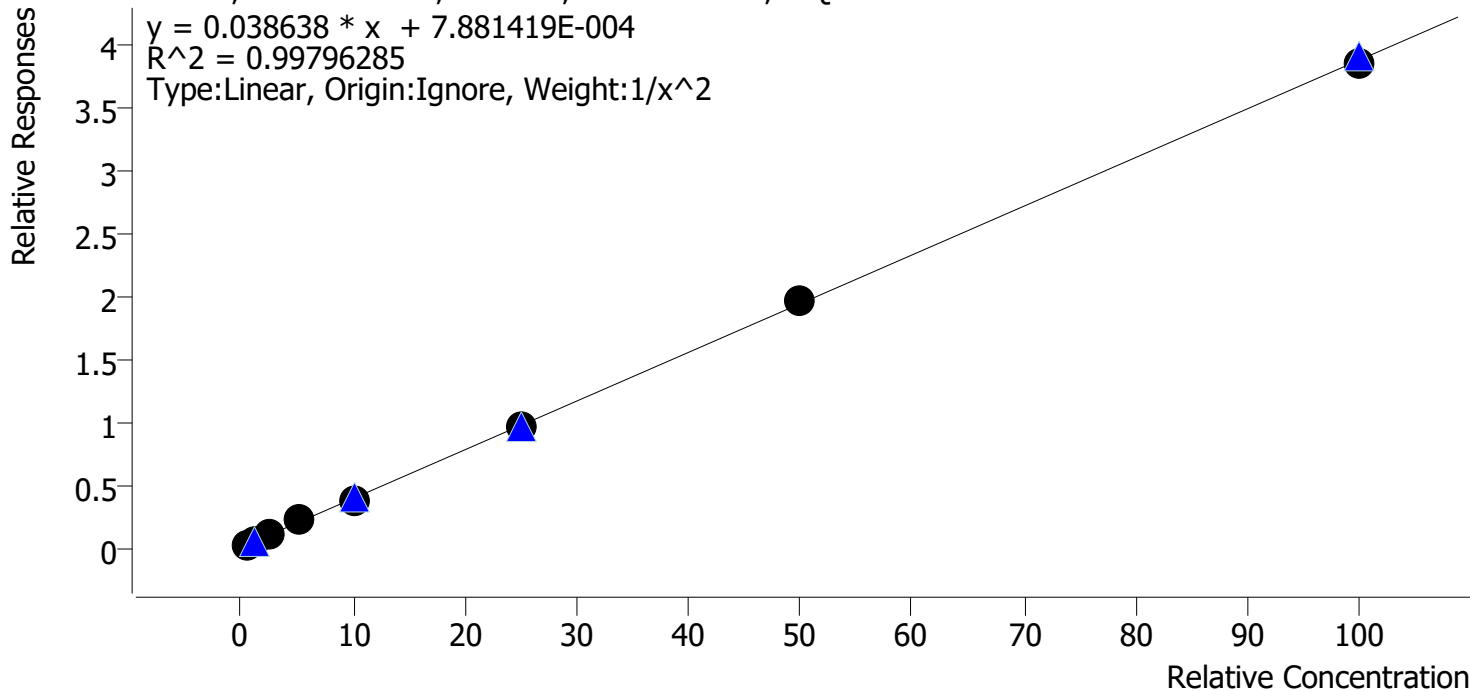
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.5
p1 Cal 2-10ng	2	✓	1.0	1.0	96.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.9
p1 Cal 4-50ng	4	✓	5.0	5.4	108.5
p1 Cal 5-100ng	5	✓	10.0	9.6	96.1
p1 Cal 6-250ng	6	✓	25.0	24.8	99.1
p1 Cal 7-500ng	7	✓	50.0	50.3	100.6
p1 Cal 8-1000ng	8	✓	100.0	99.2	99.2

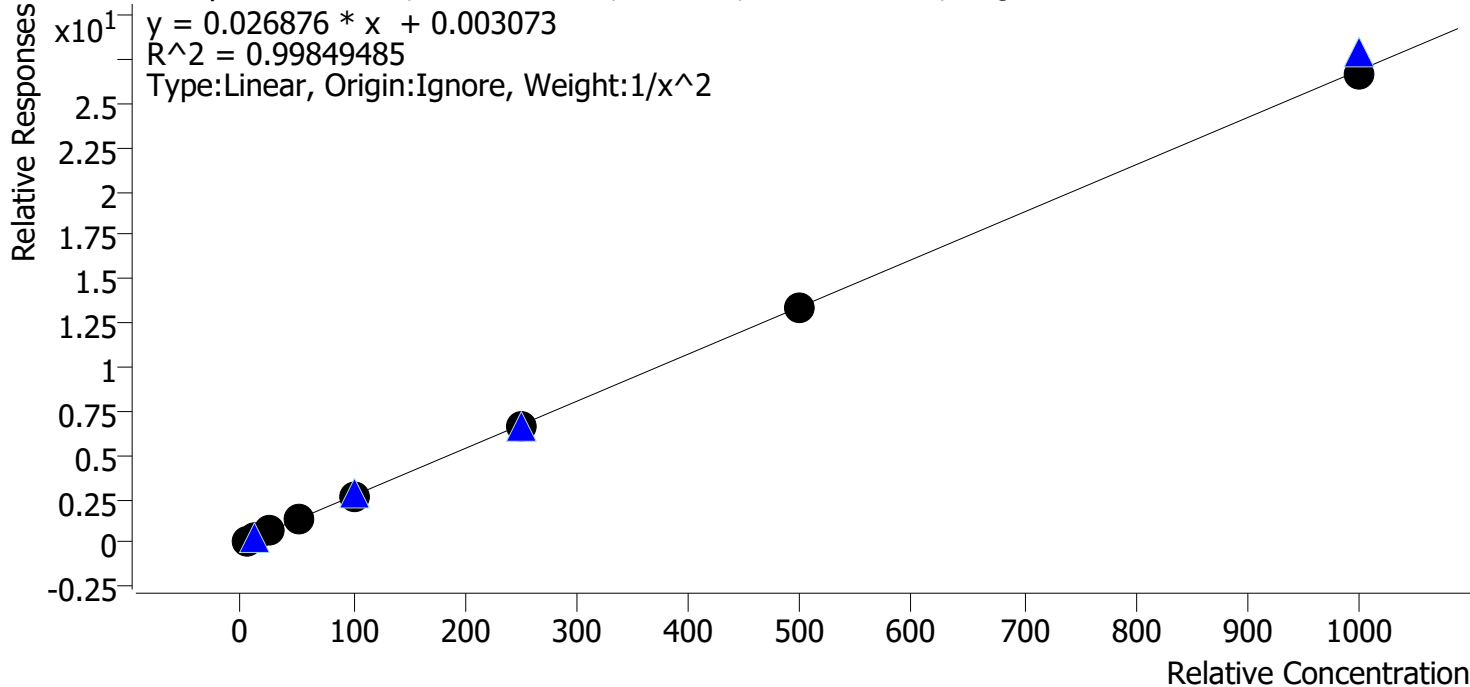
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	244.6	97.8
p1 Cal 7-500ng	7	✓	500.0	498.6	99.7
p1 Cal 8-1000ng	8	✓	1000.0	990.2	99.0



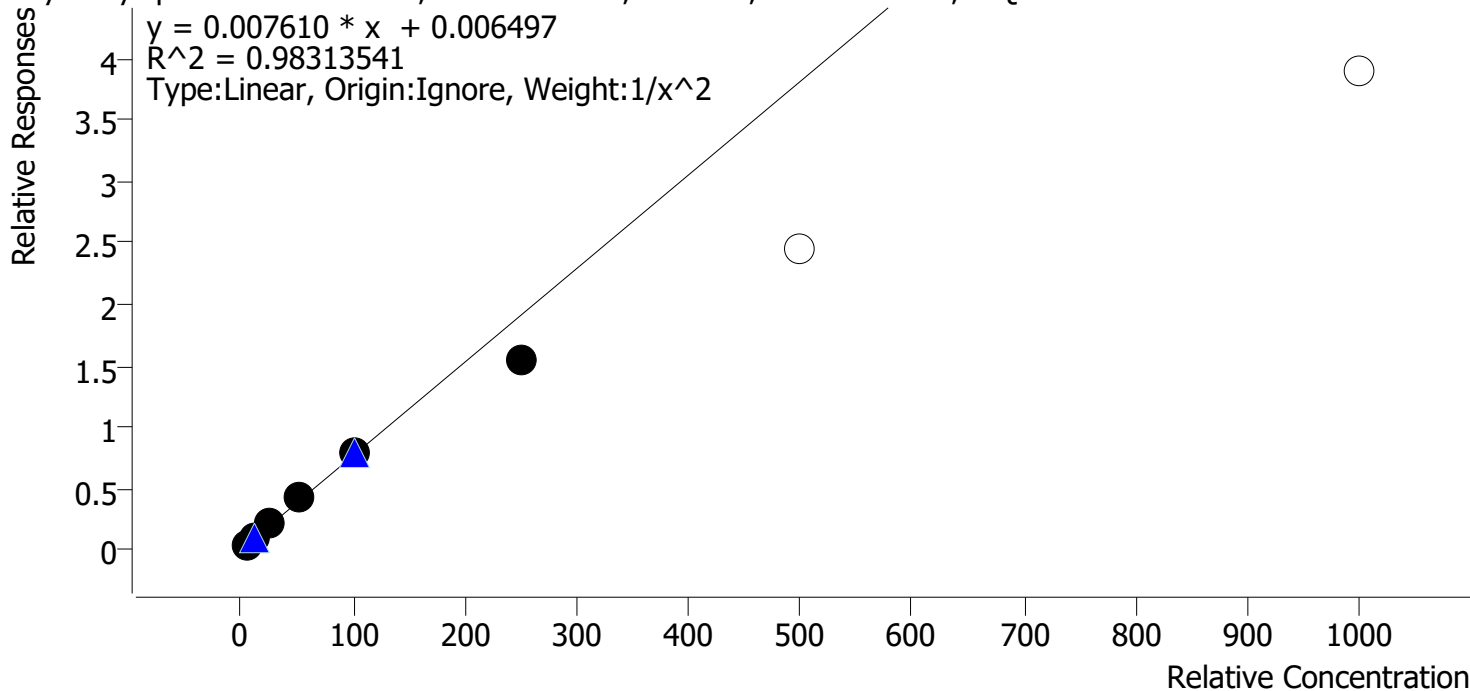
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5

a-hydroxyalprazolam - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.5	105.2
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	54.7	109.3
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	200.7	80.3
p1 Cal 7-500ng	7	x	500.0	320.3	64.1
p1 Cal 8-1000ng	8	x	1000.0	512.5	51.2

Cal 7 and 8 dropped due to not meeting accuracy requirement.

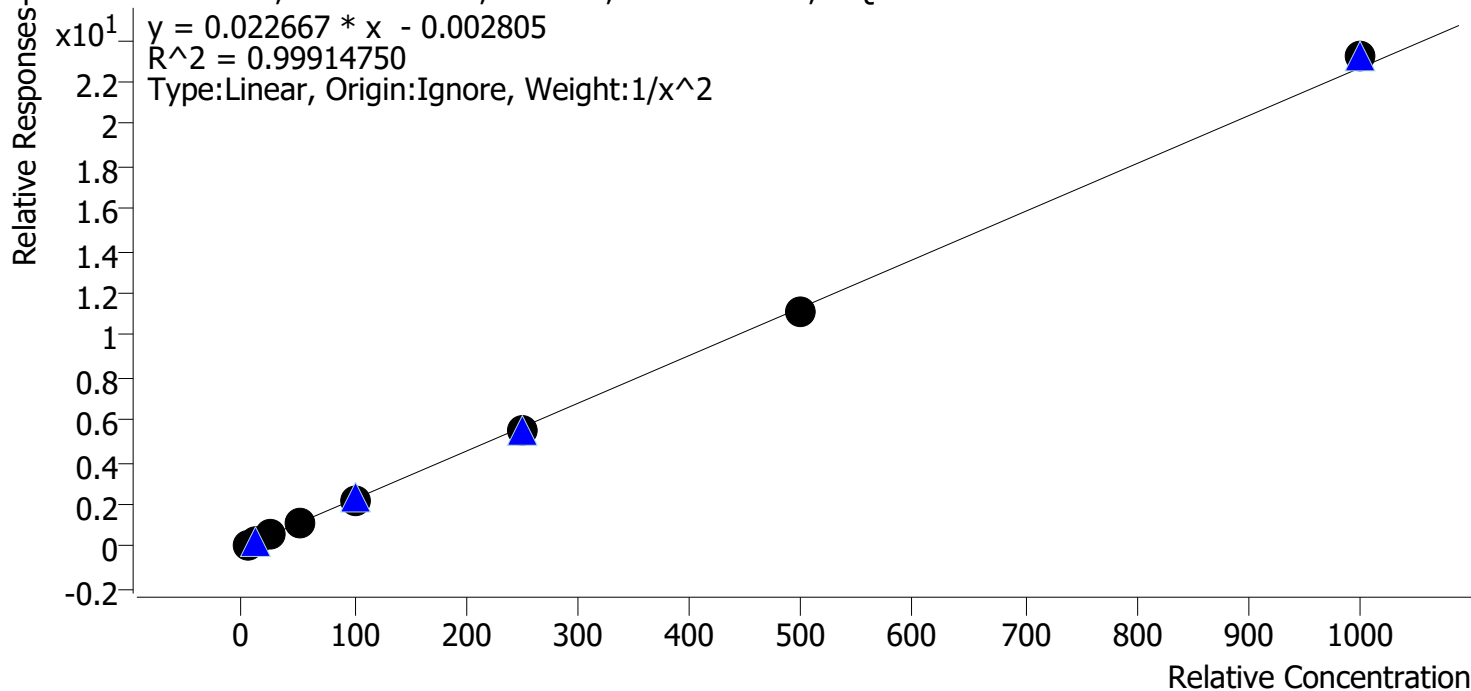
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	244.1	97.6
p1 Cal 7-500ng	7	✓	500.0	492.9	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1021.7	102.2

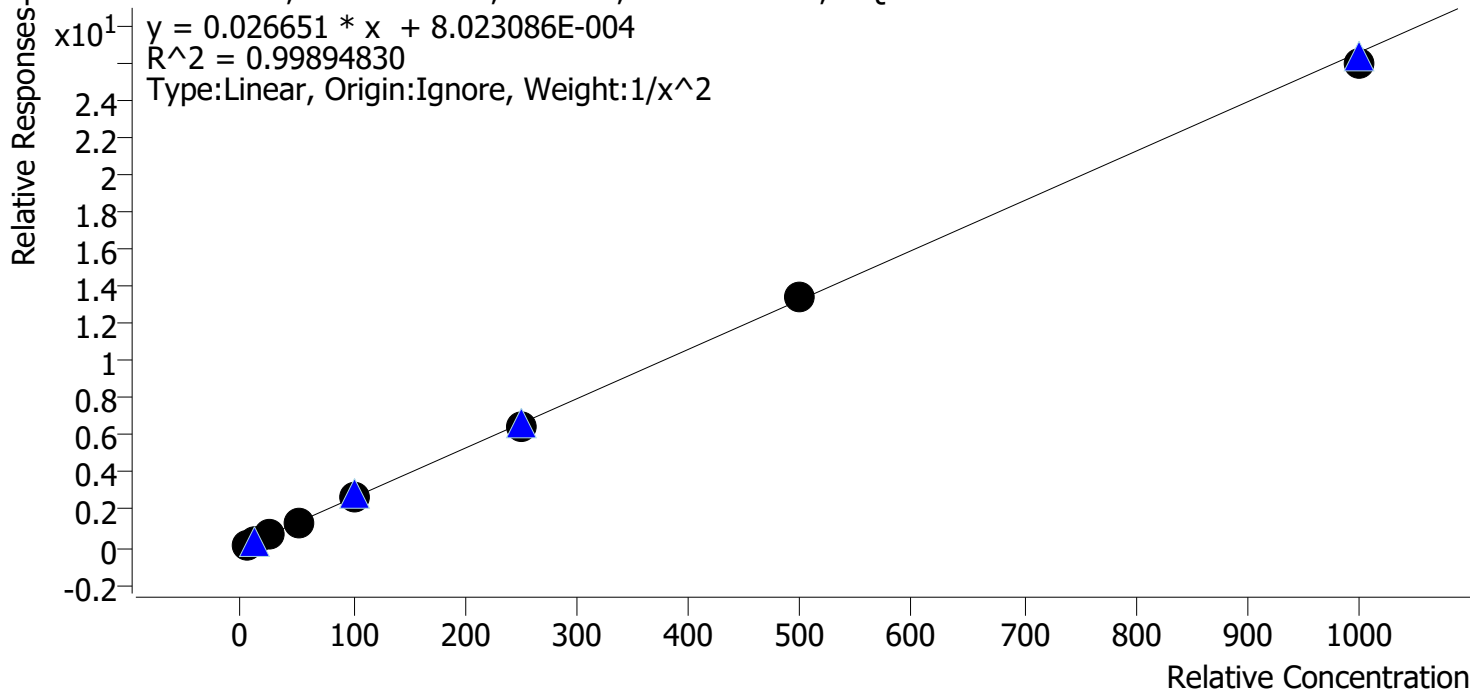
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	504.6	100.9
p1 Cal 8-1000ng	8	✓	1000.0	977.0	97.7

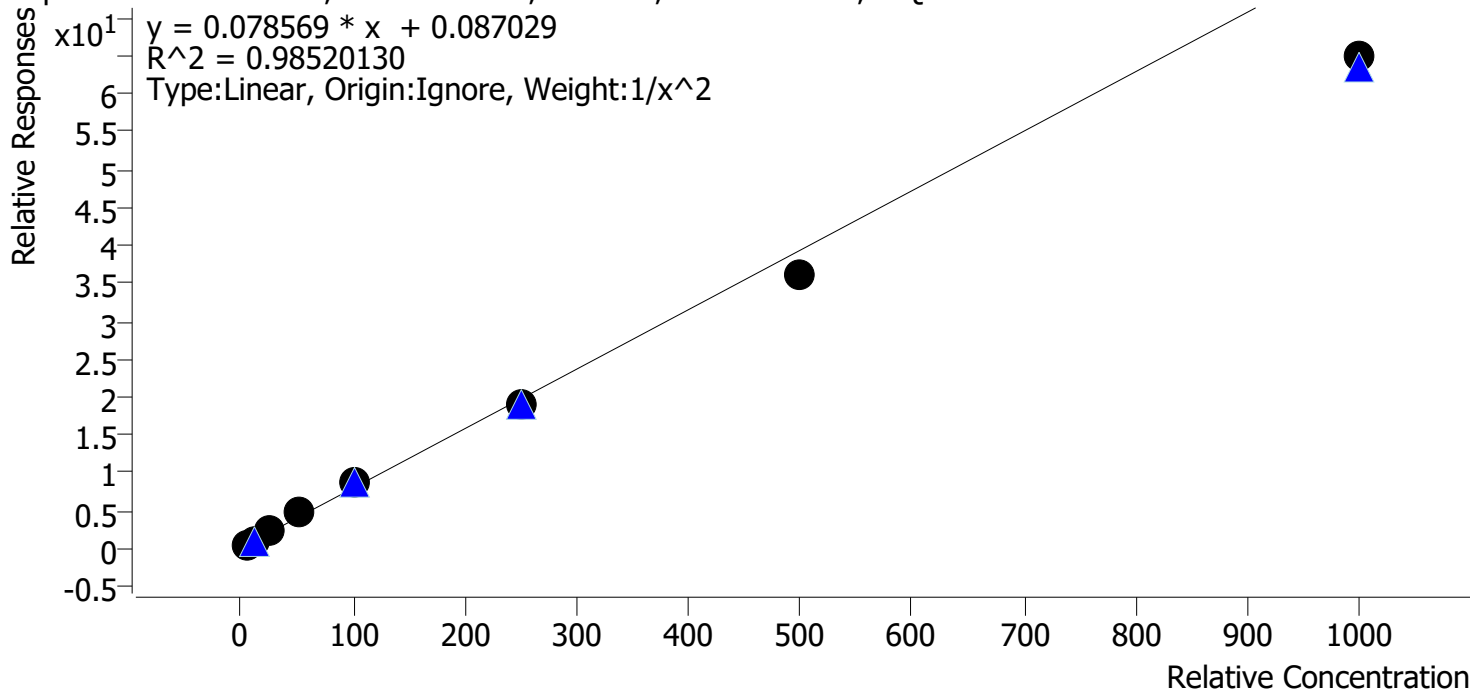
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



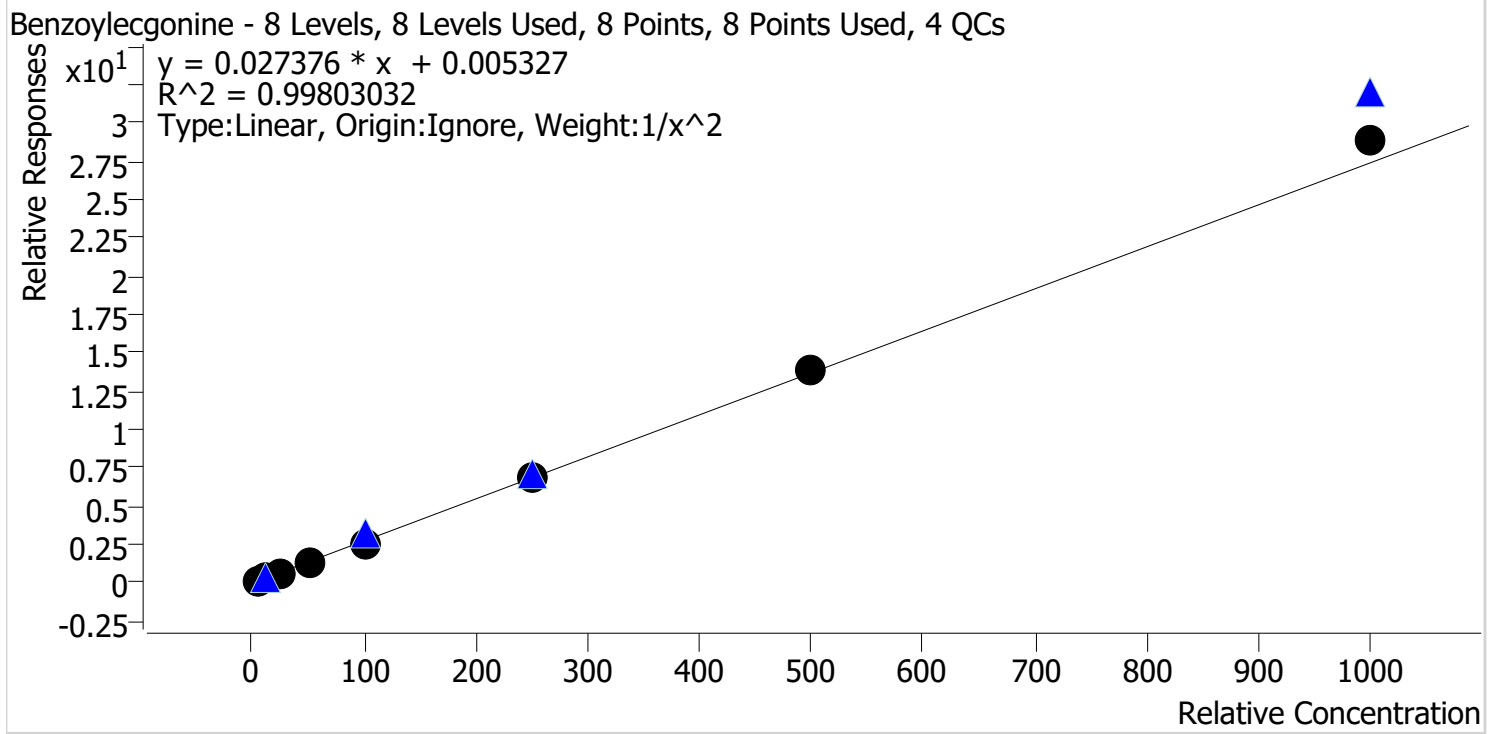
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	58.0	115.9
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	240.4	96.2
p1 Cal 7-500ng	7	✓	500.0	458.4	91.7
p1 Cal 8-1000ng	8	✓	1000.0	825.4	82.5

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	510.1	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1056.3	105.6

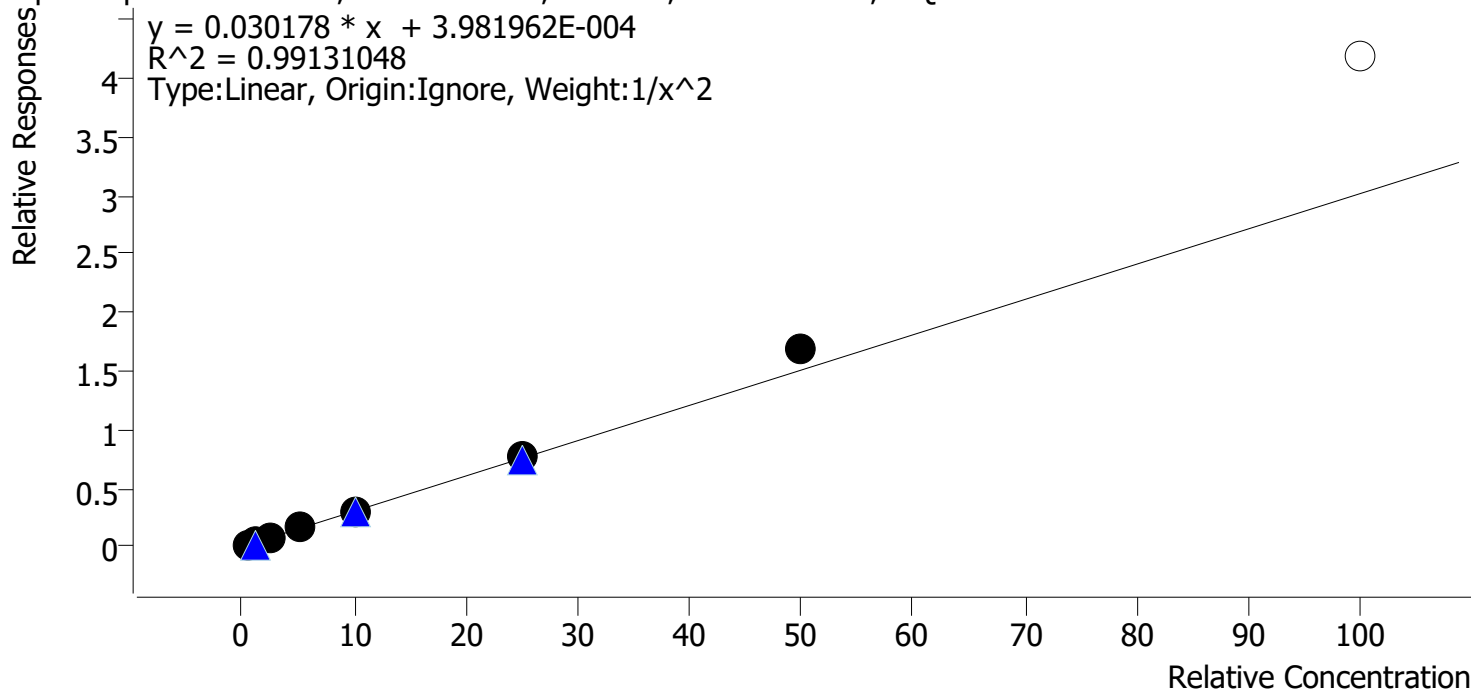
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.9
p1 Cal 2-10ng	2	✓	1.0	1.0	97.1
p1 Cal 3 -25ng	3	✓	2.5	2.2	86.5
p1 Cal 4-50ng	4	✓	5.0	5.1	102.9
p1 Cal 5-100ng	5	✓	10.0	9.6	96.1
p1 Cal 6-250ng	6	✓	25.0	25.4	101.5
p1 Cal 7-500ng	7	✓	50.0	56.0	112.0
p1 Cal 8-1000ng	8	✗	100.0	138.8	138.8

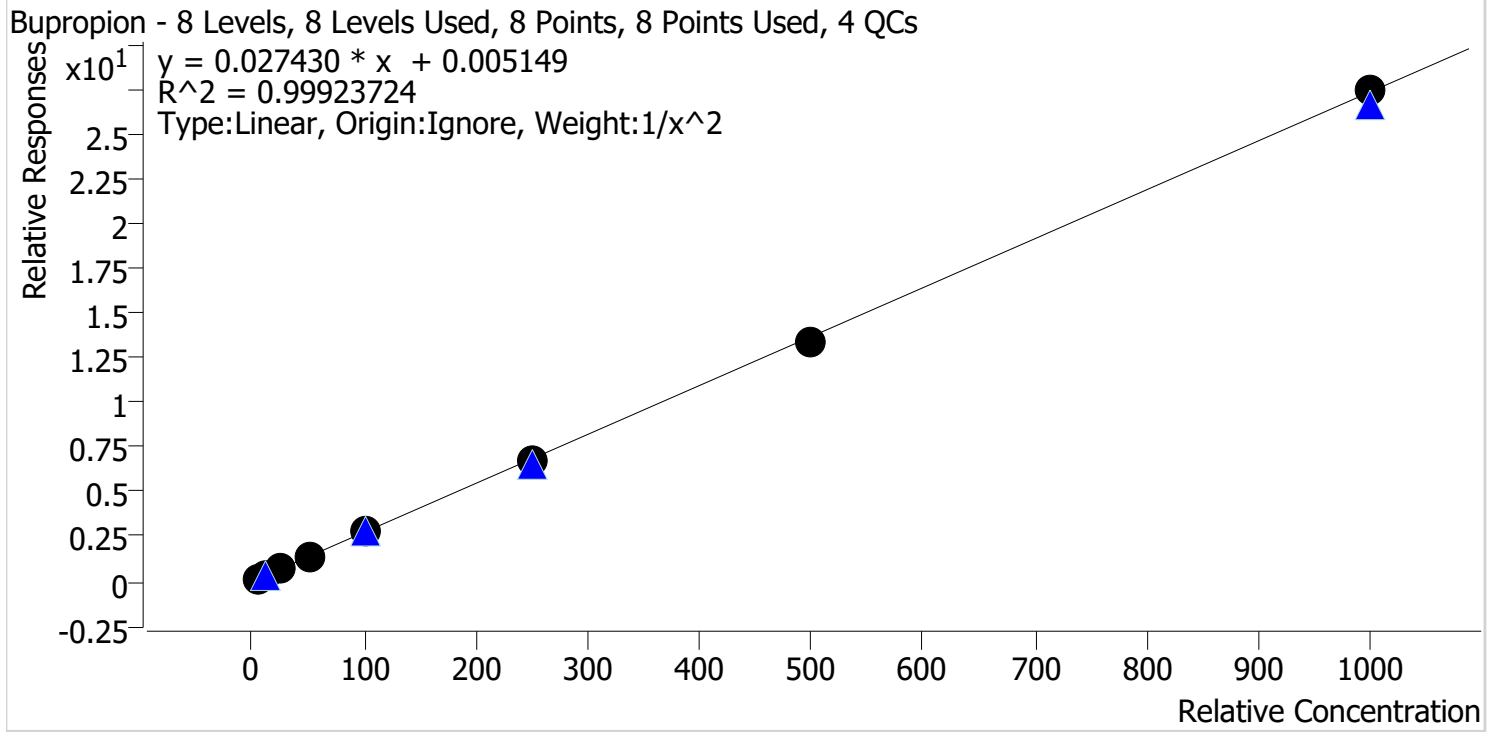
Cal 8 dropped due to not meeting accuracy requirement

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



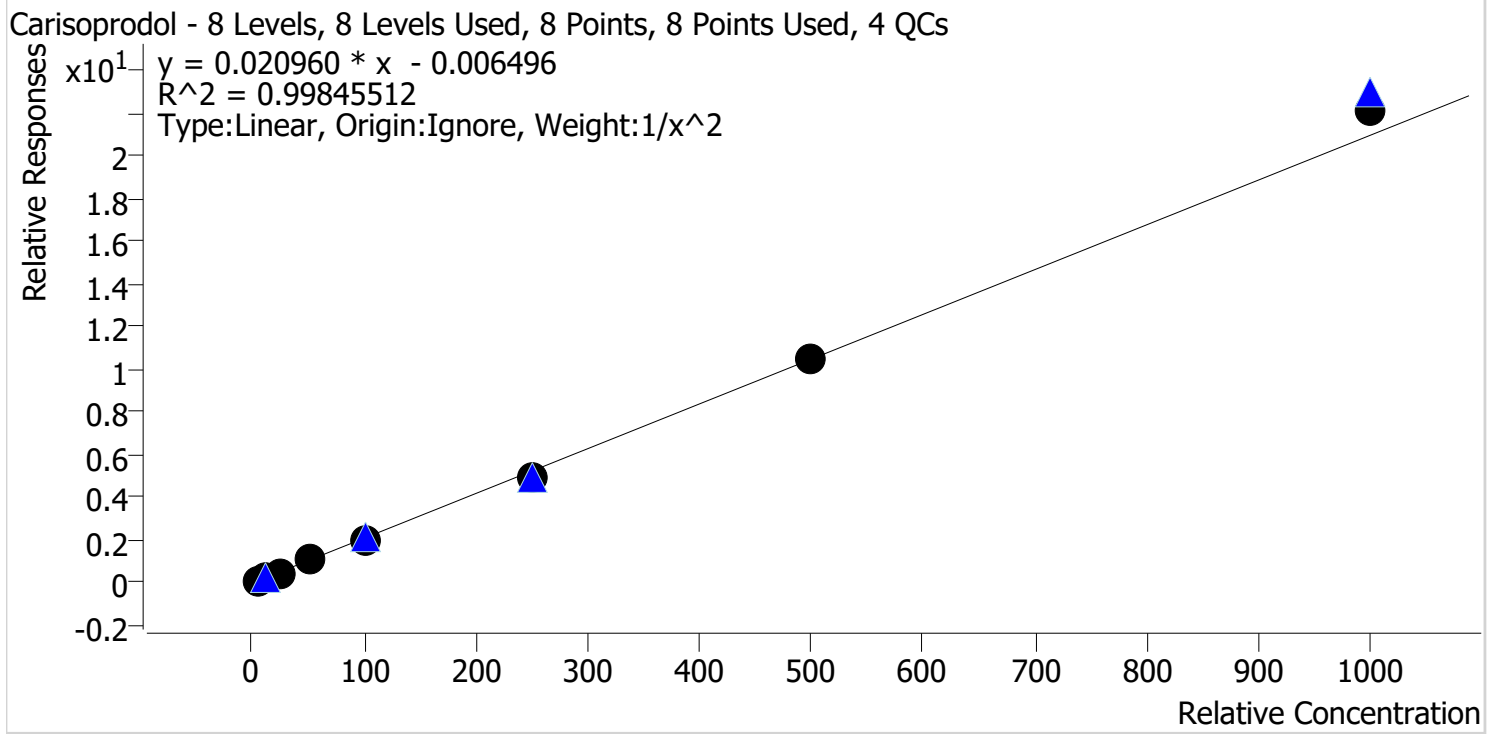
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	492.4	98.5
p1 Cal 8-1000ng	8	✓	1000.0	1002.8	100.3

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	239.6	95.9
p1 Cal 7-500ng	7	✓	500.0	503.5	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1055.3	105.5



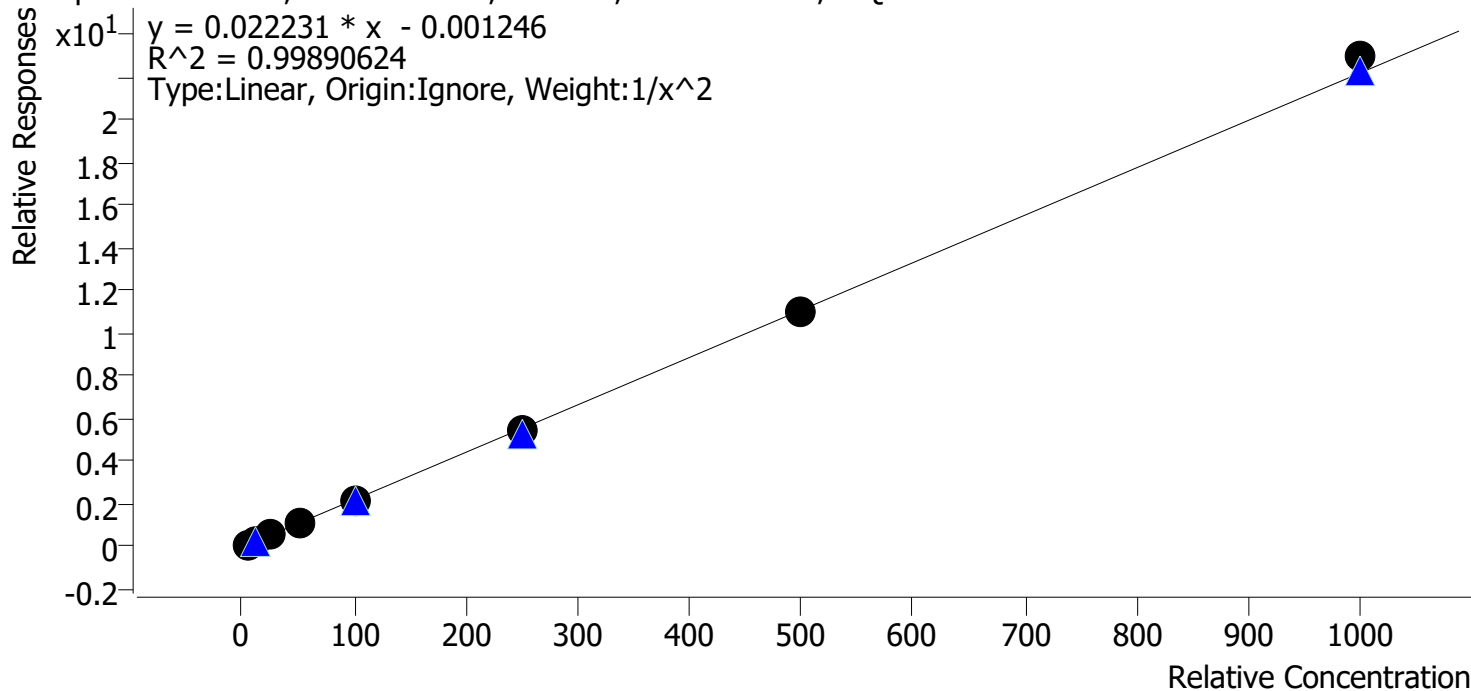
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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



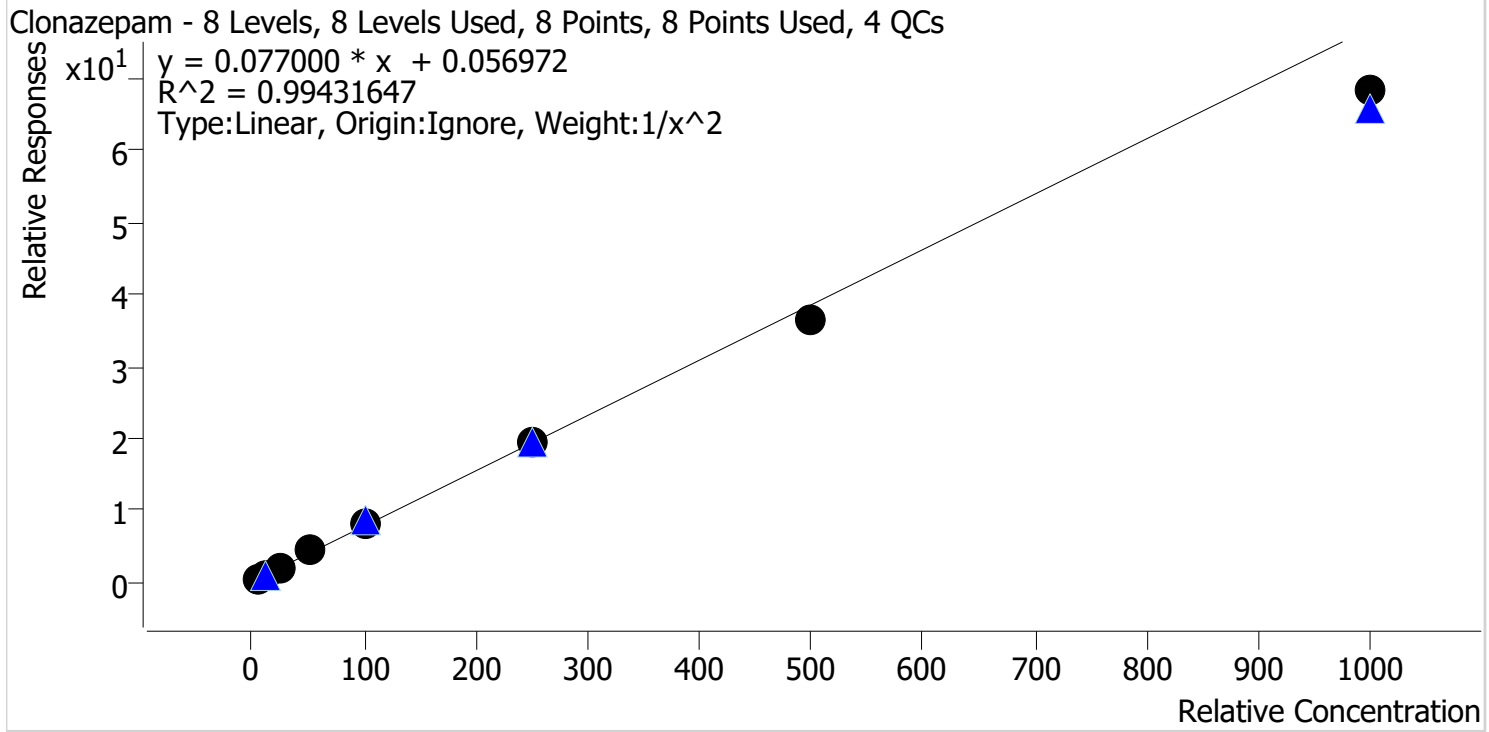
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	494.0	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1034.5	103.5

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	472.8	94.6
p1 Cal 8-1000ng	8	✓	1000.0	887.2	88.7

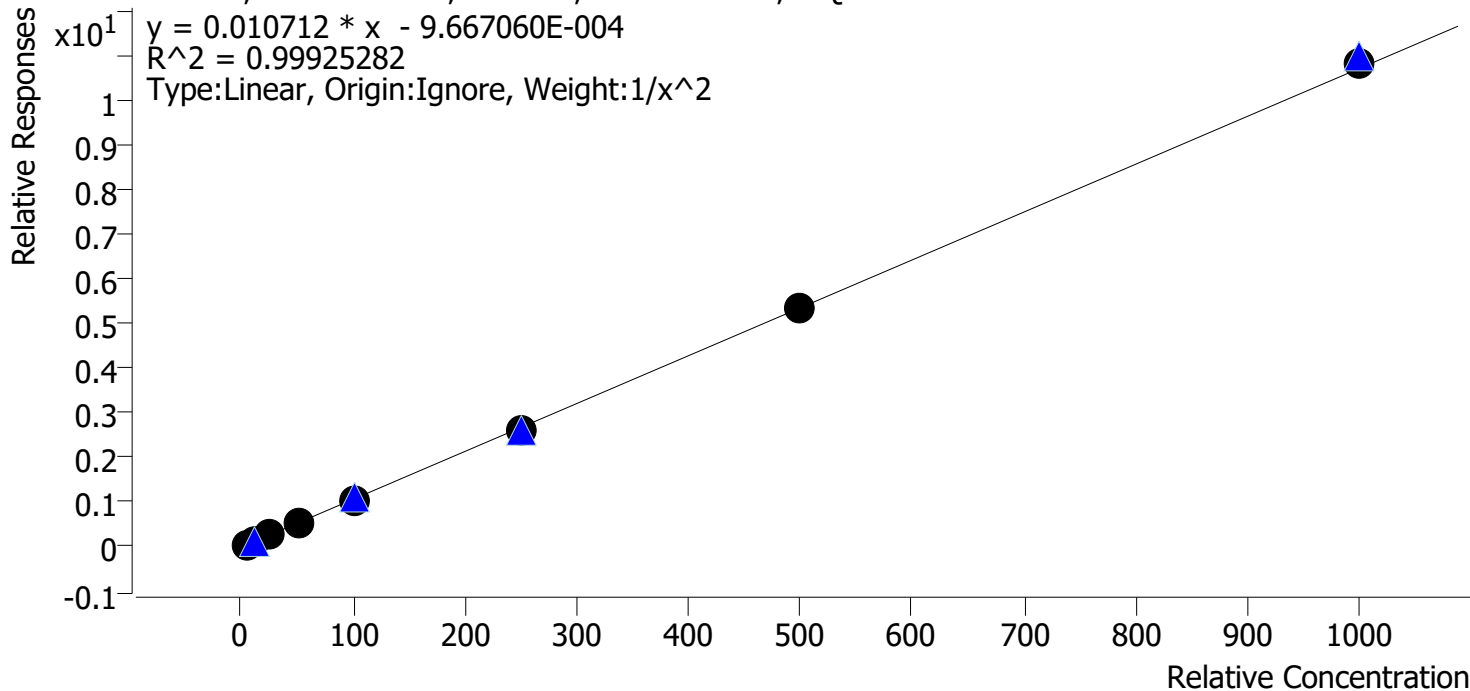
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	500.1	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1010.1	101.0

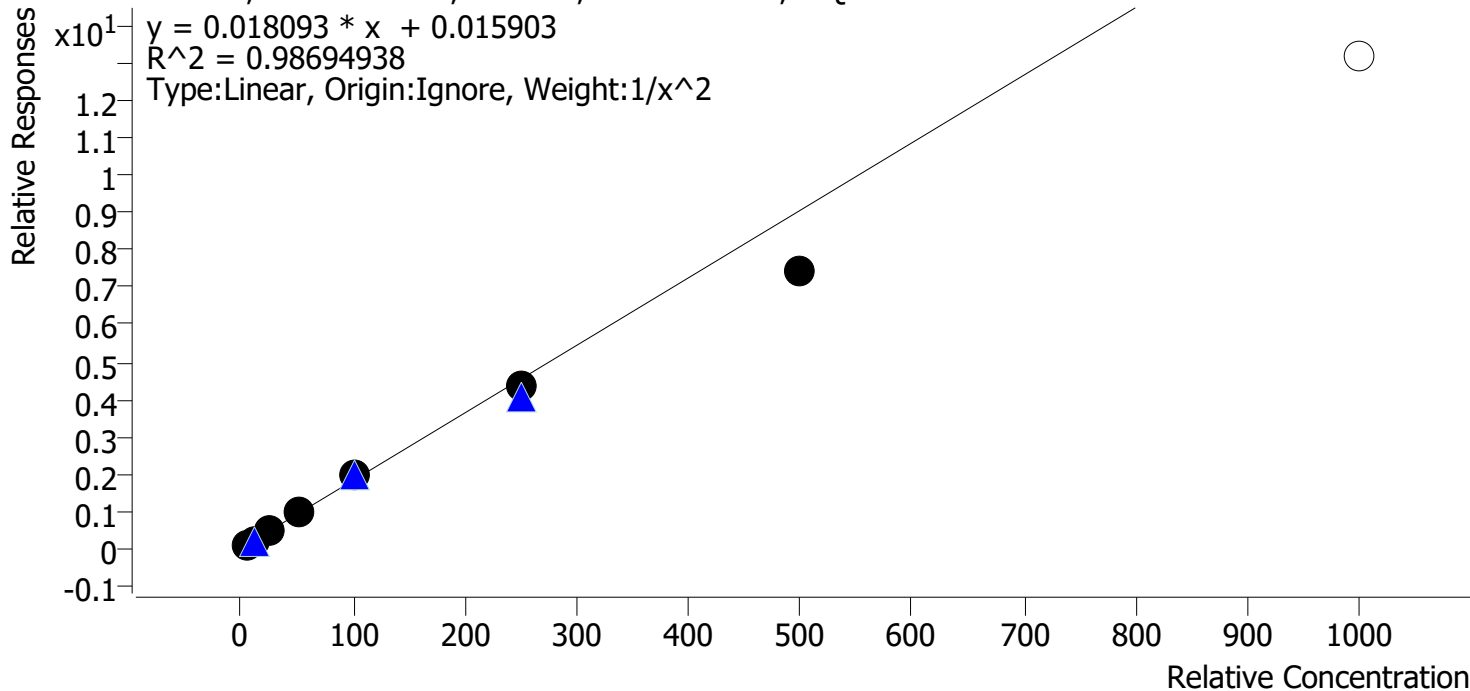
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2-10ng	2	✓	10.0	10.6	105.5
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	55.1	110.1
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	237.4	95.0
p1 Cal 7-500ng	7	✓	500.0	411.6	82.3
p1 Cal 8-1000ng	8	✗	1000.0	727.5	72.7

Cal 8 dropped due to not meeting accuracy requirement

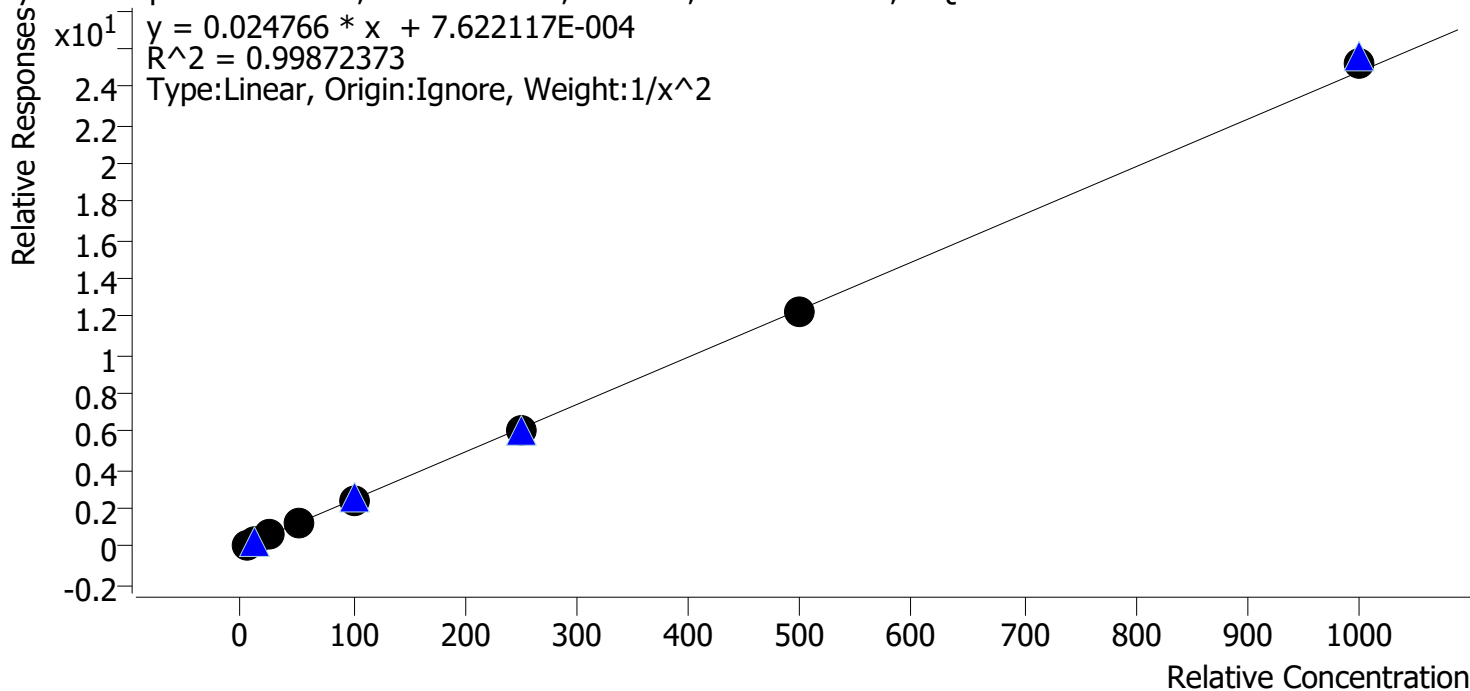
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



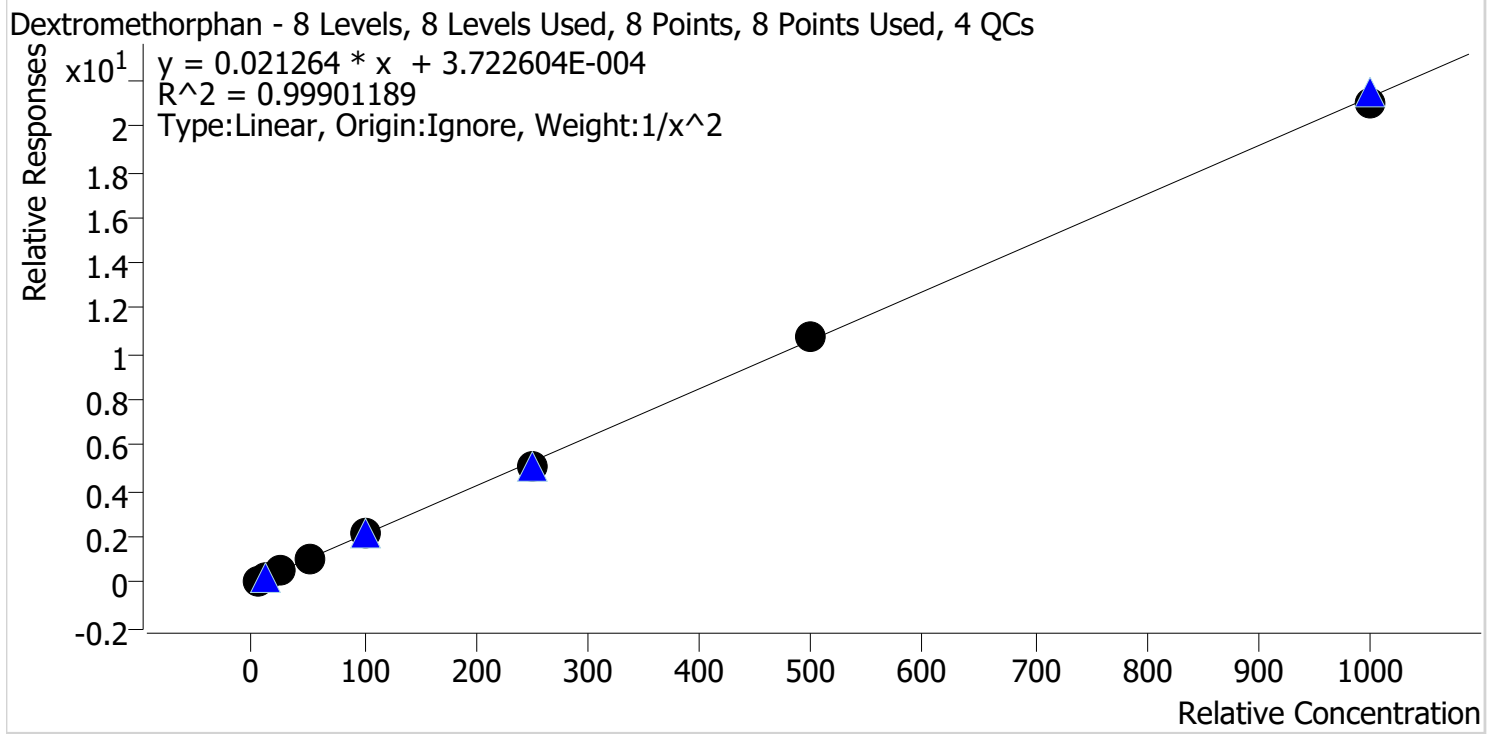
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	496.2	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1019.9	102.0

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3



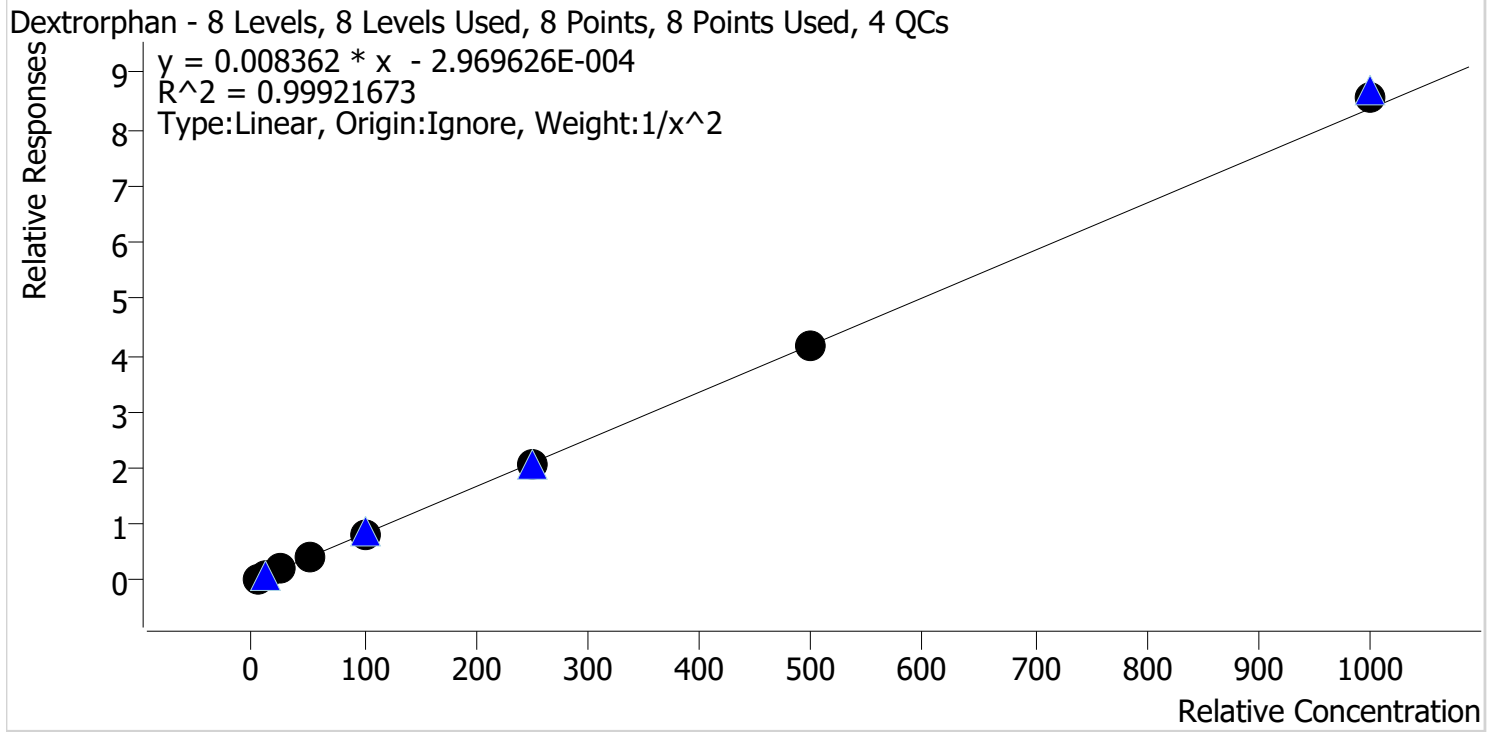
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	242.5	97.0
p1 Cal 7-500ng	7	✓	500.0	503.8	100.8
p1 Cal 8-1000ng	8	✓	1000.0	987.8	98.8

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3



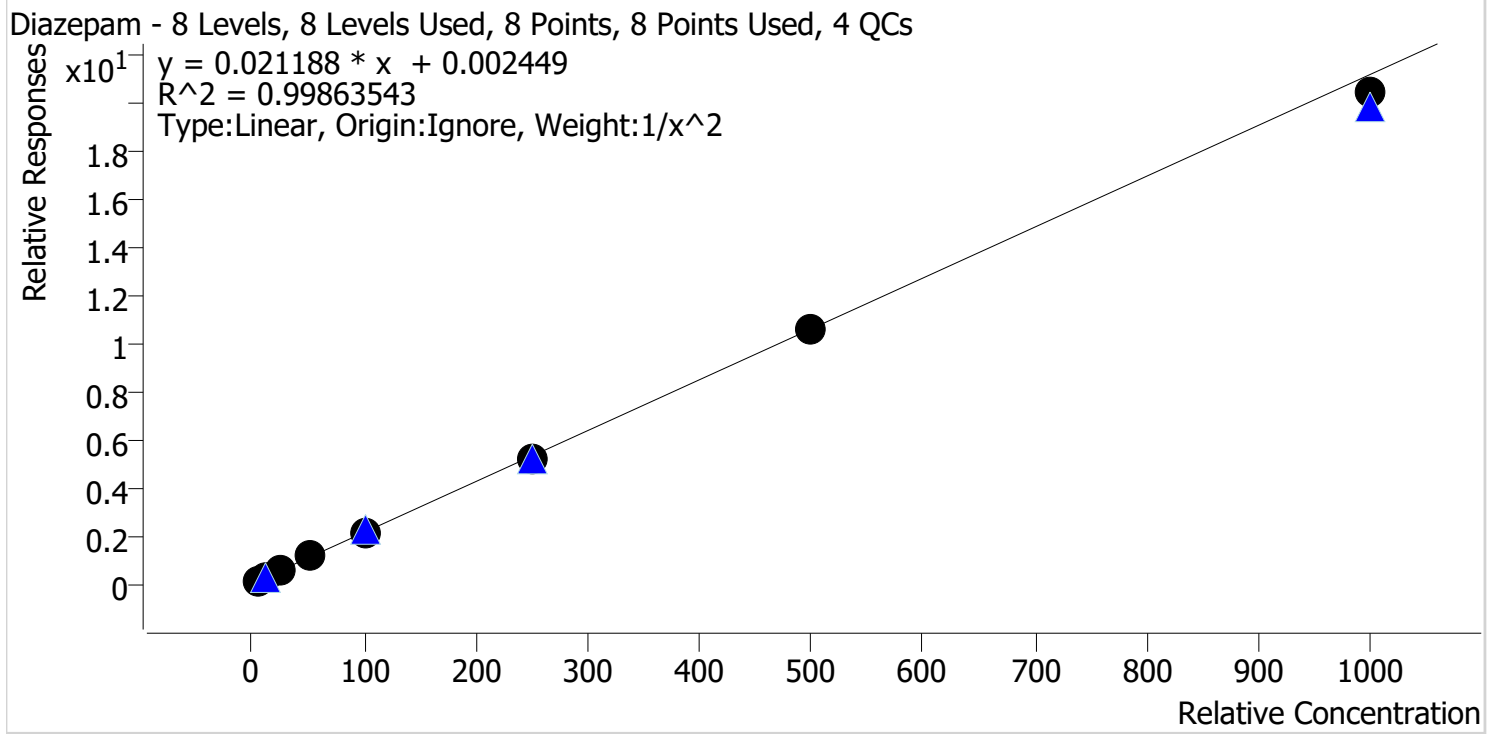
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	51.9	103.9
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	500.8	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1022.4	102.2

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.6
p1 Cal 4-50ng	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	500.8	100.2
p1 Cal 8-1000ng	8	✓	1000.0	964.4	96.4



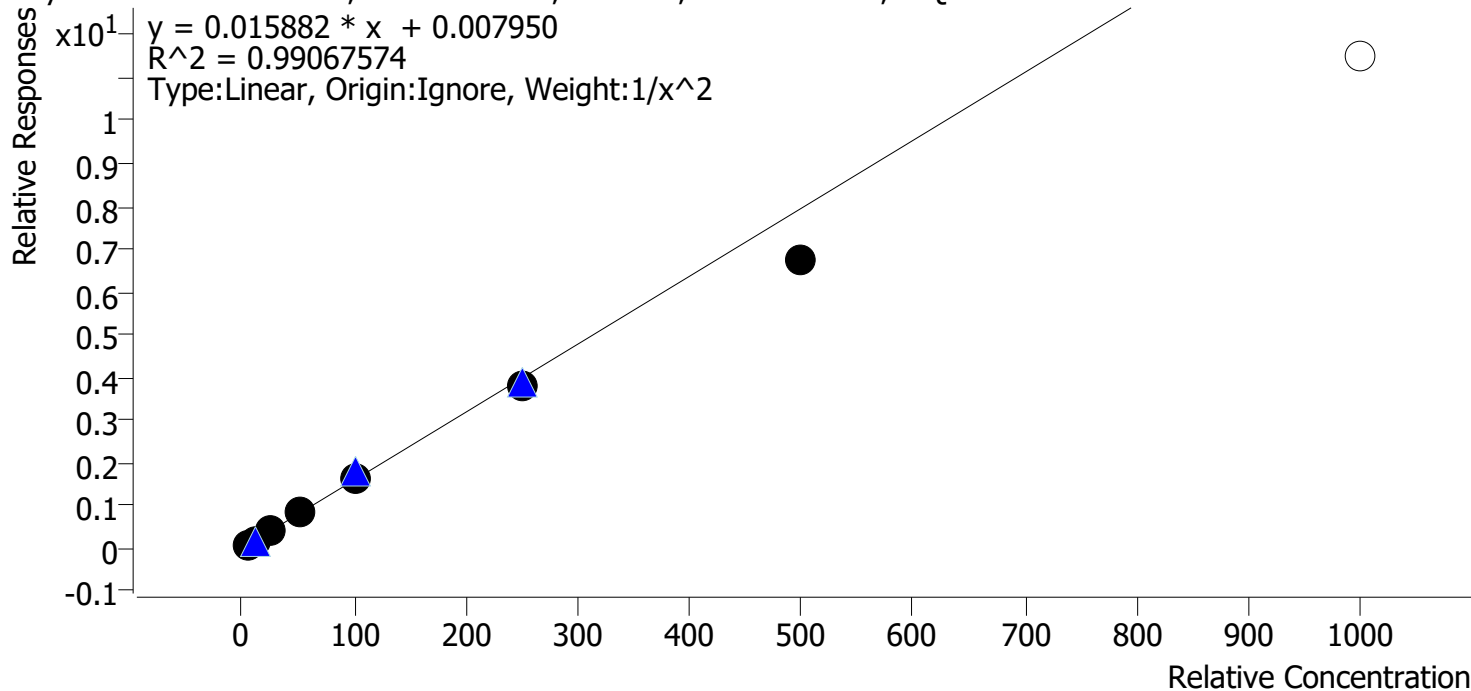
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	55.6	111.3
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	240.6	96.2
p1 Cal 7-500ng	7	✓	500.0	426.4	85.3
p1 Cal 8-1000ng	8	x	1000.0	723.3	72.3

Cal 8 dropped due to not meeting accuracy requirement.

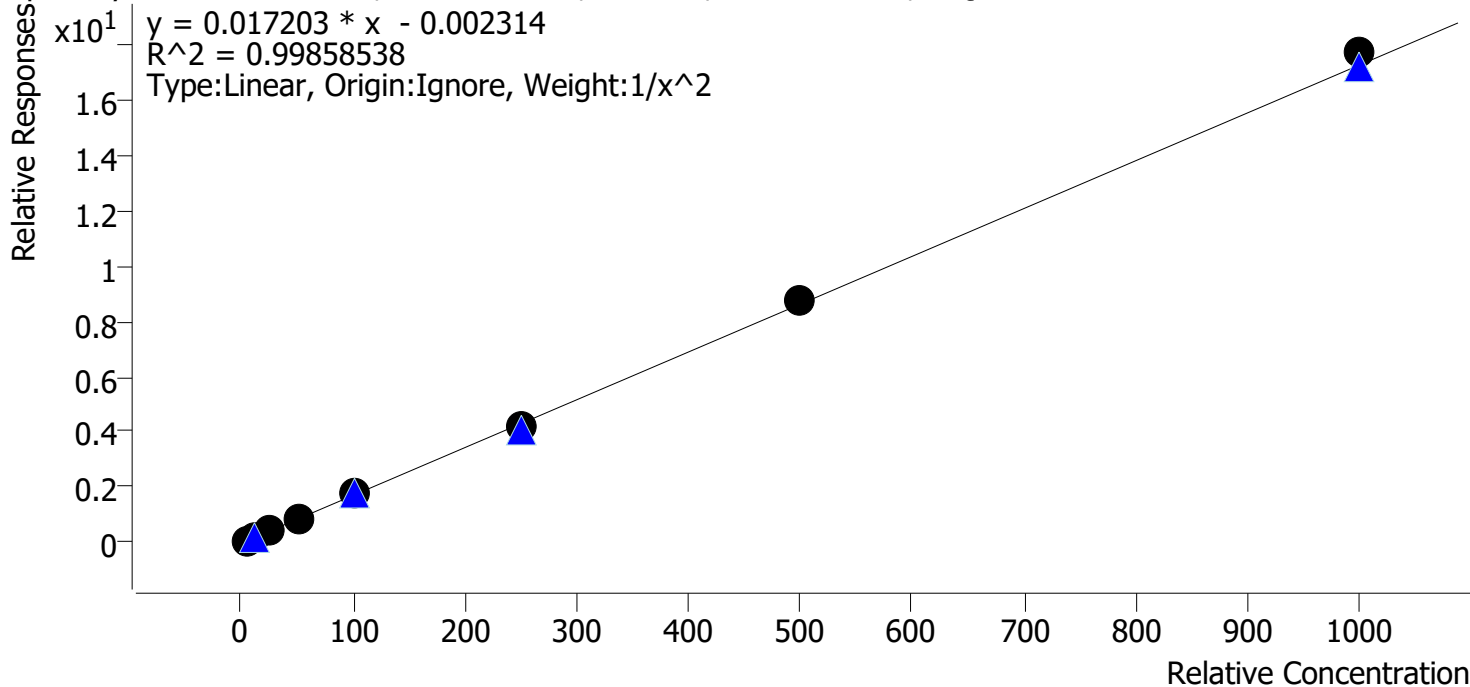
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



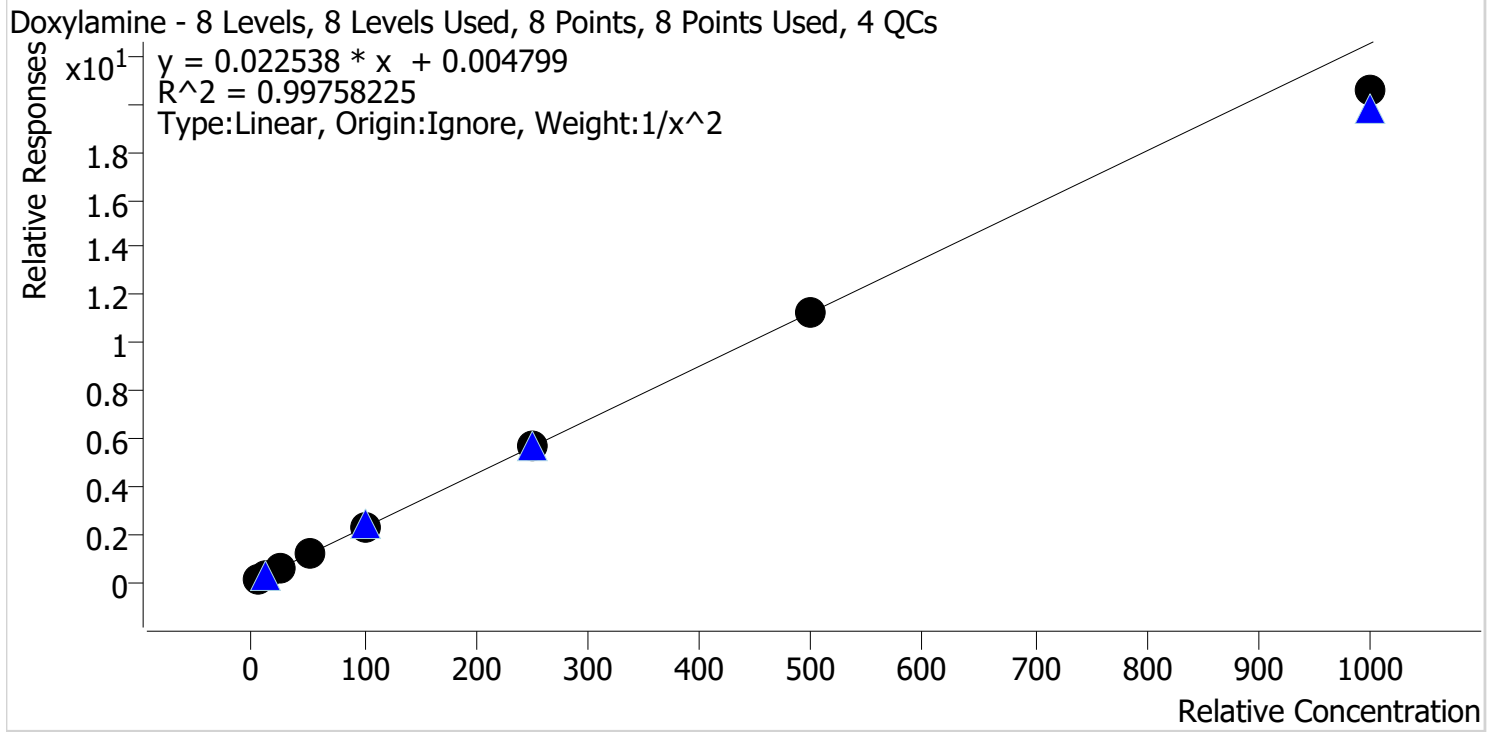
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	506.9	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1026.3	102.6

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	53.2	106.3
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	501.1	100.2
p1 Cal 8-1000ng	8	✓	1000.0	912.2	91.2

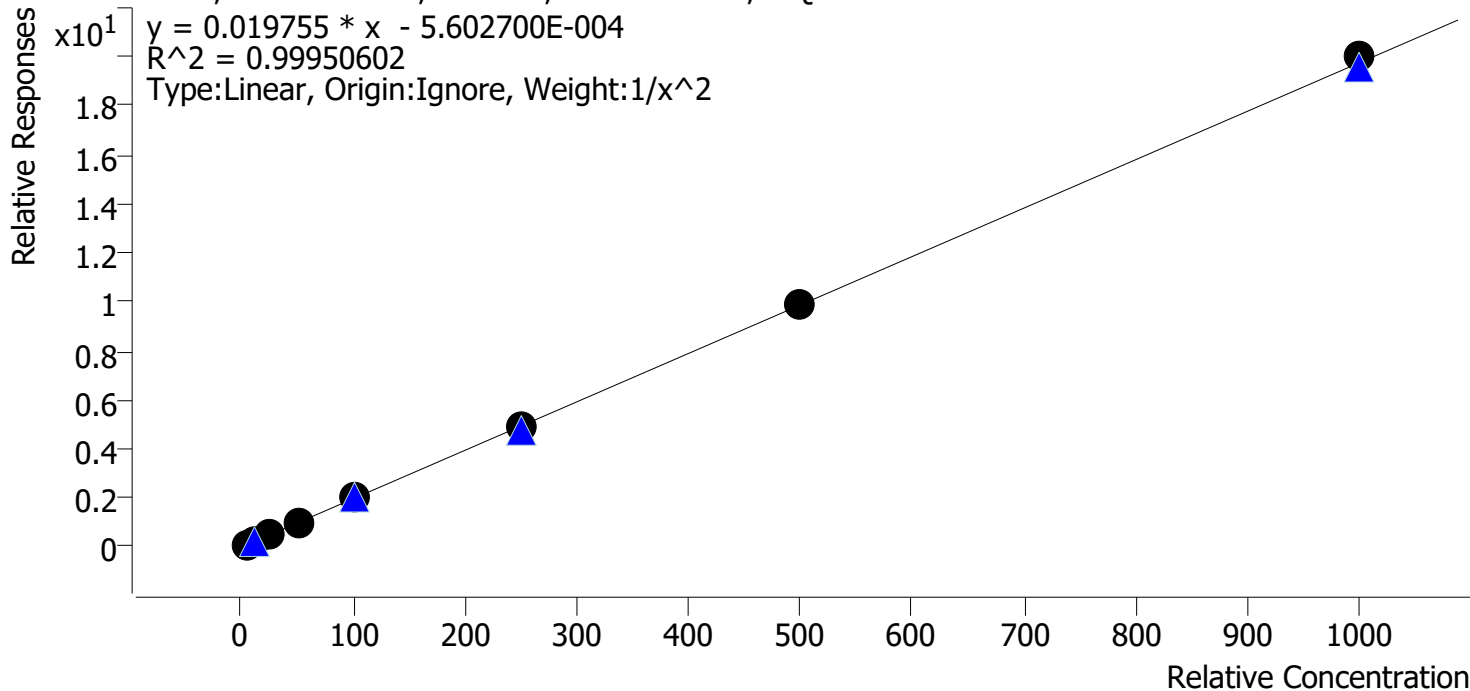
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	503.0	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1012.9	101.3

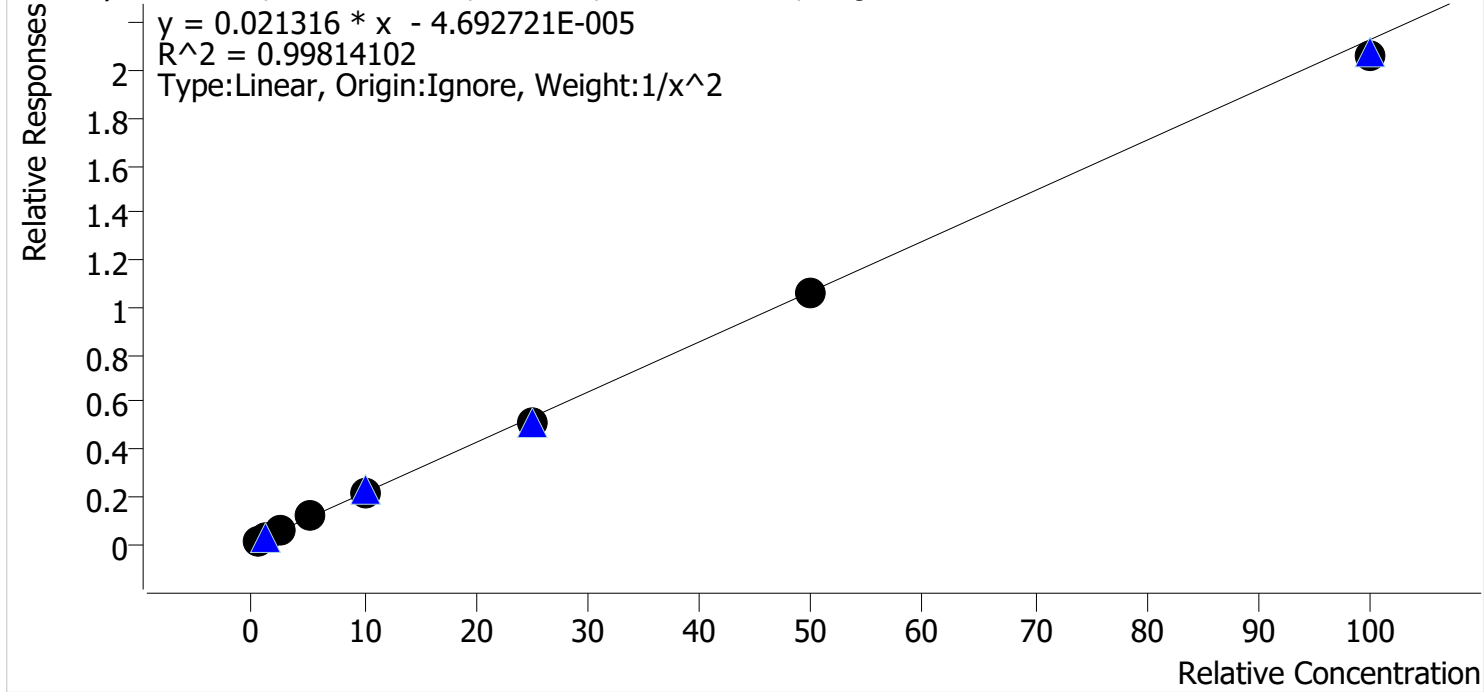
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



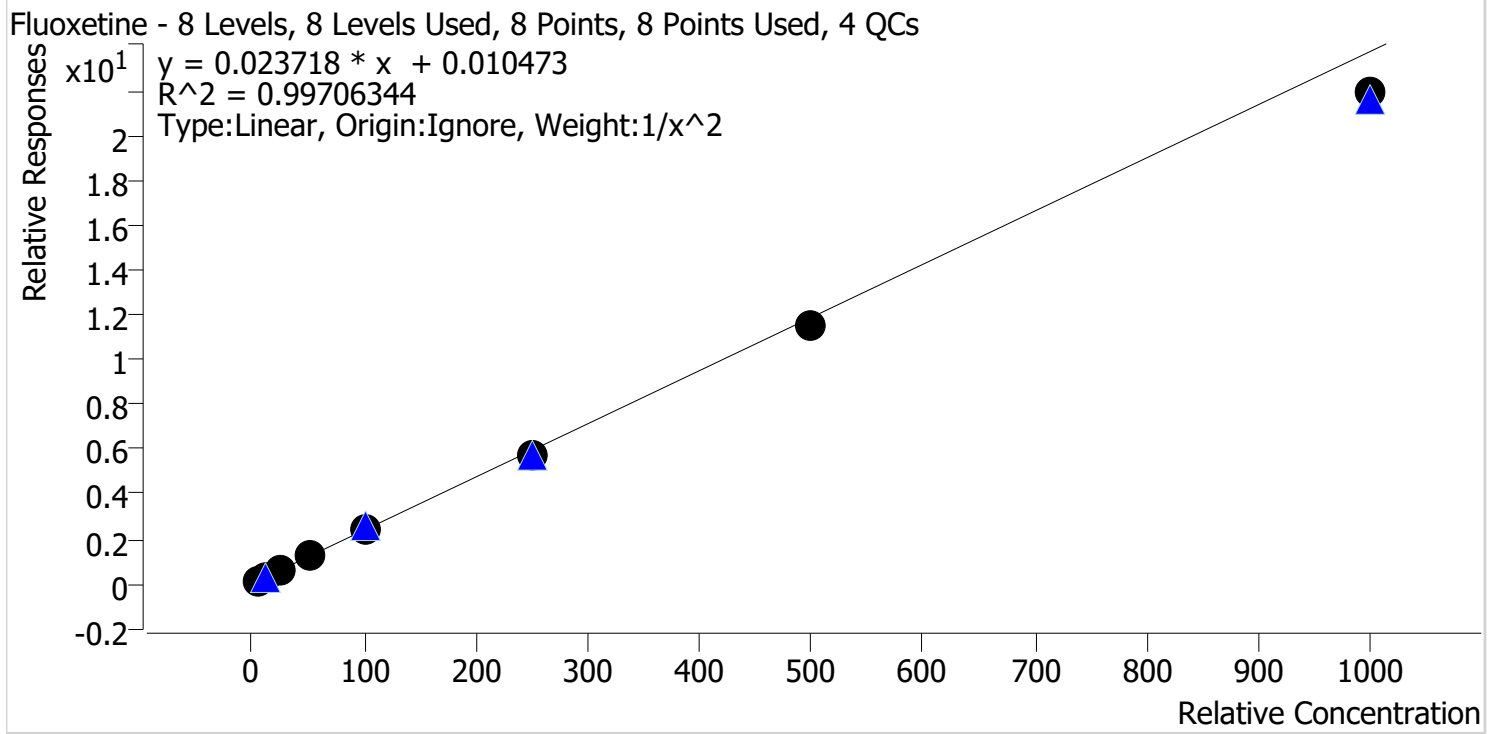
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.2
p1 Cal 2-10ng	2	✓	1.0	1.0	99.3
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.9
p1 Cal 4-50ng	4	✓	5.0	5.3	106.9
p1 Cal 5-100ng	5	✓	10.0	10.1	100.8
p1 Cal 6-250ng	6	✓	25.0	23.6	94.3
p1 Cal 7-500ng	7	✓	50.0	49.7	99.4
p1 Cal 8-1000ng	8	✓	100.0	97.2	97.2

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



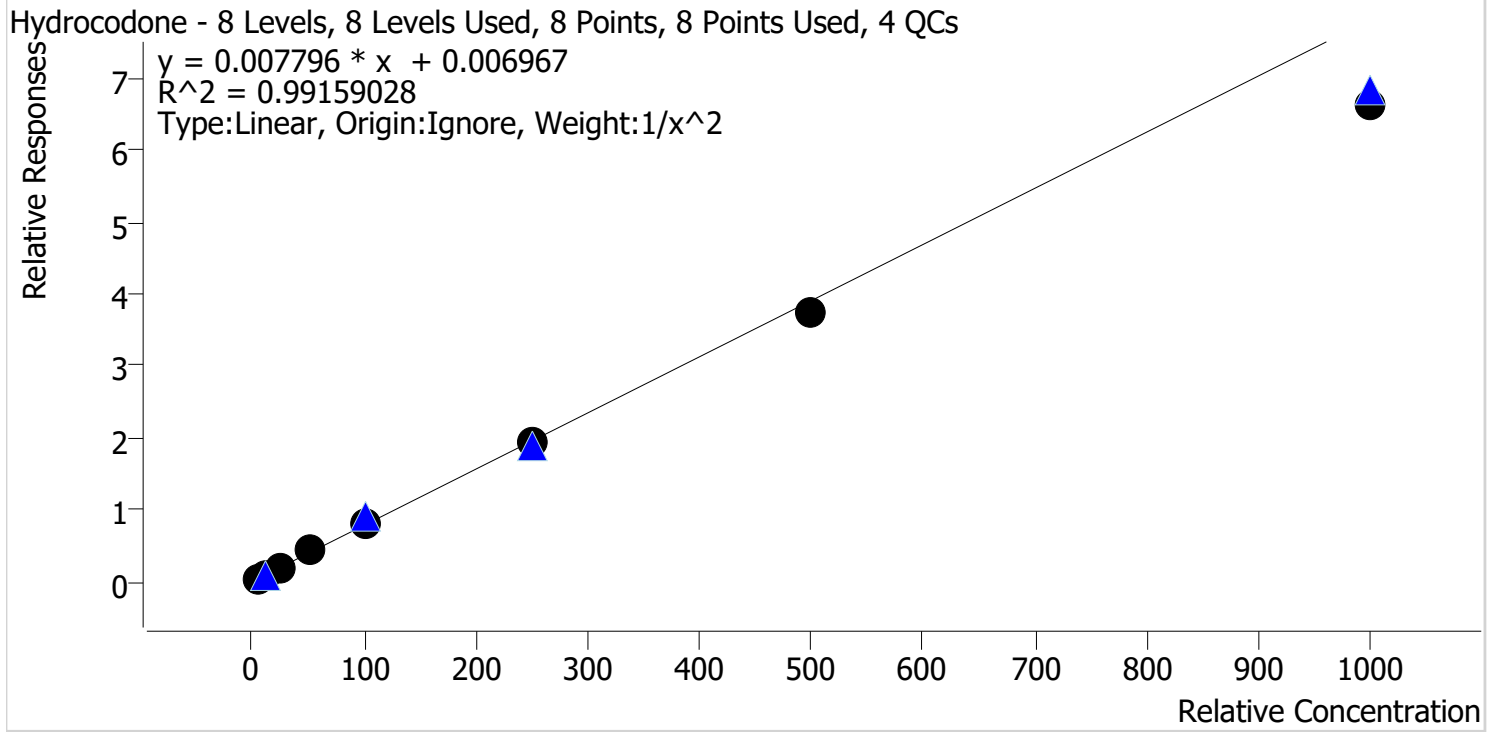
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	242.9	97.2
p1 Cal 7-500ng	7	✓	500.0	487.5	97.5
p1 Cal 8-1000ng	8	✓	1000.0	922.7	92.3

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



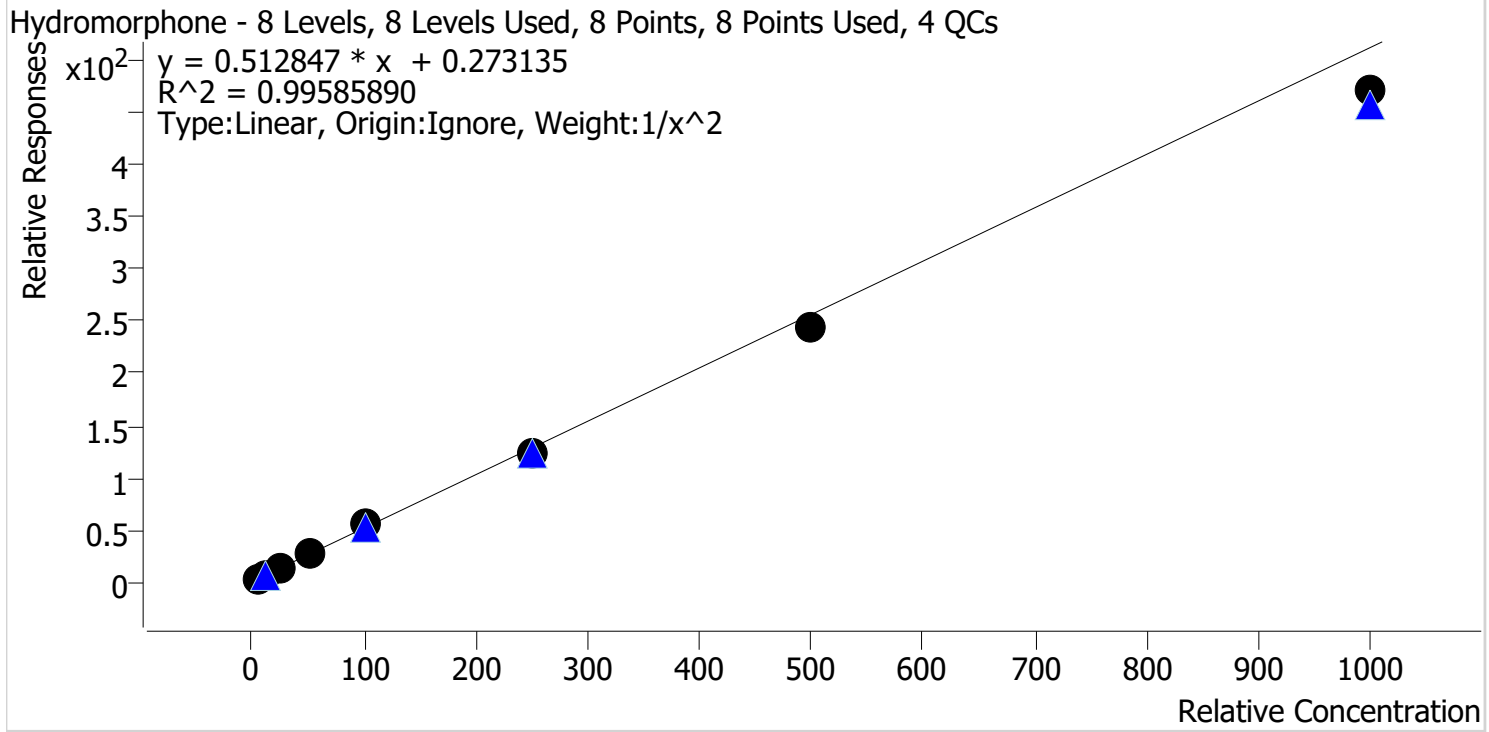
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	55.6	111.3
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	482.3	96.5
p1 Cal 8-1000ng	8	✓	1000.0	848.0	84.8

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Hydromorphone **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	243.2	97.3
p1 Cal 7-500ng	7	✓	500.0	479.2	95.8
p1 Cal 8-1000ng	8	✓	1000.0	919.4	91.9

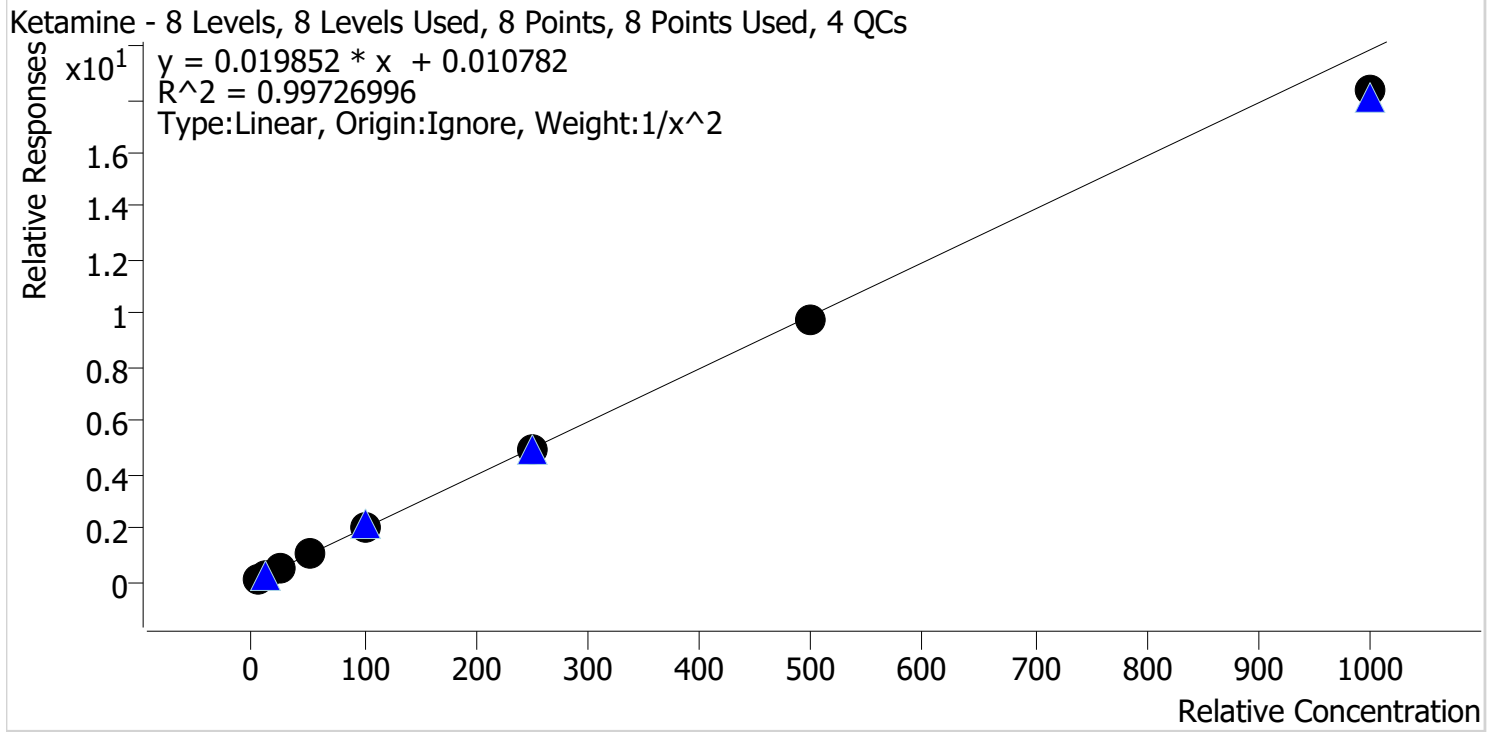


8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	250.6	100.3
p1 Cal 7-500ng	7	✓	500.0	490.2	98.0
p1 Cal 8-1000ng	8	✓	1000.0	923.2	92.3

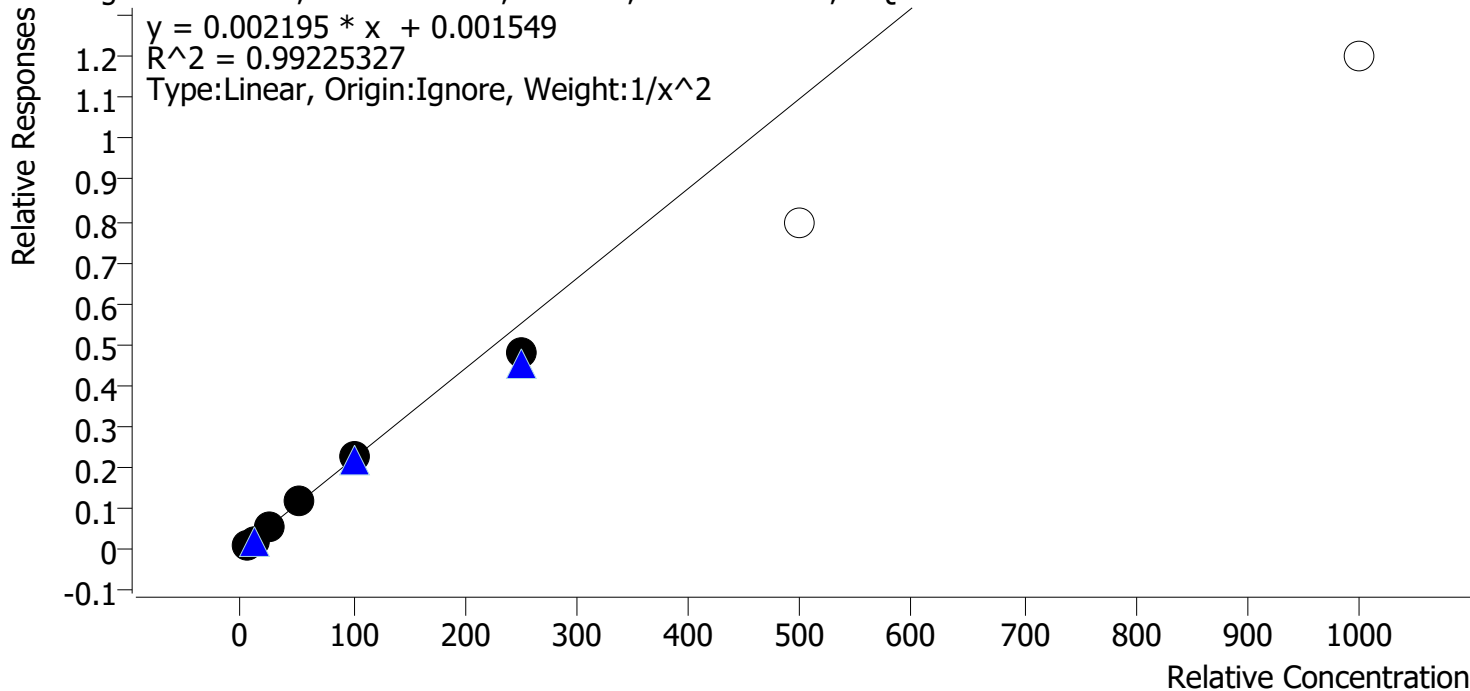
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	217.3	86.9
p1 Cal 7-500ng	7	x	500.0	363.7	72.7
p1 Cal 8-1000ng	8	x	1000.0	546.0	54.6

Cal 7 and 8 dropped due to not meeting accuracy requirement

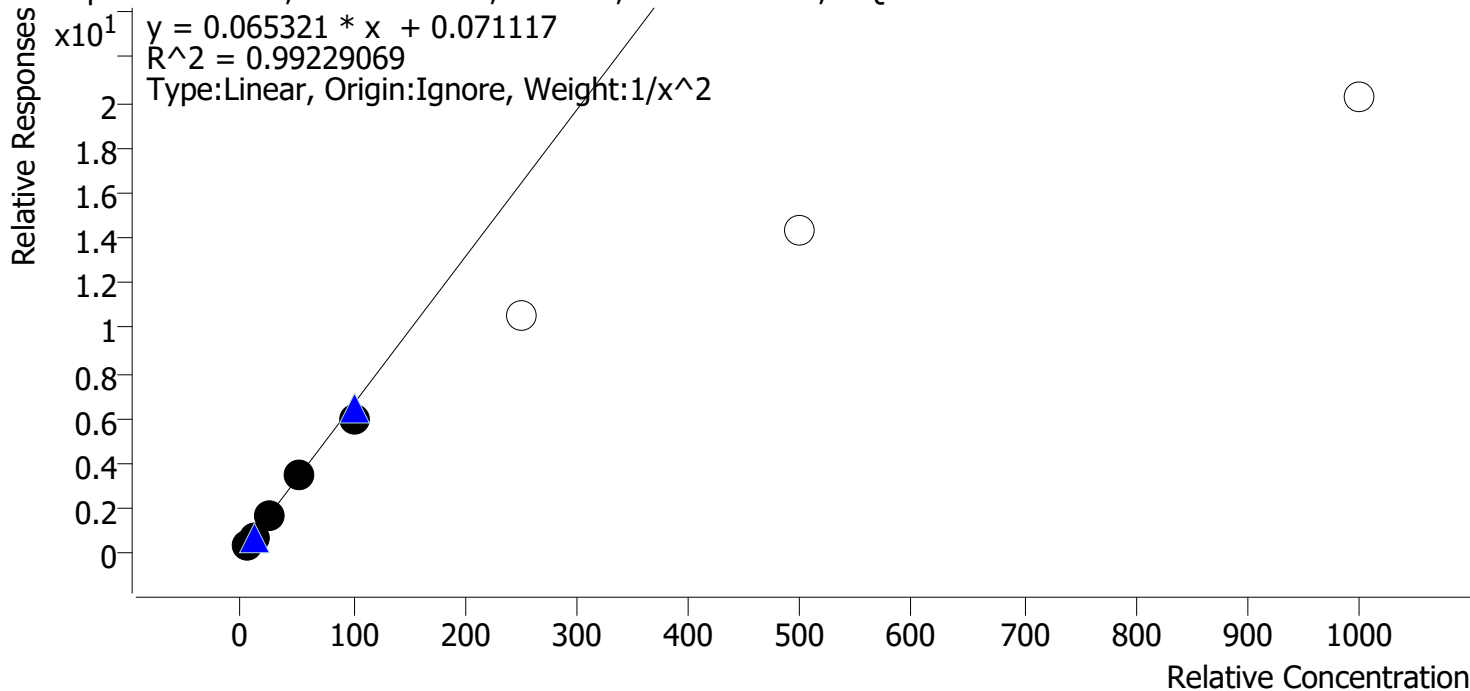
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.4	104.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	89.4	89.4
p1 Cal 6-250ng	6	x	250.0	161.4	64.5
p1 Cal 7-500ng	7	x	500.0	219.0	43.8
p1 Cal 8-1000ng	8	x	1000.0	308.1	30.8

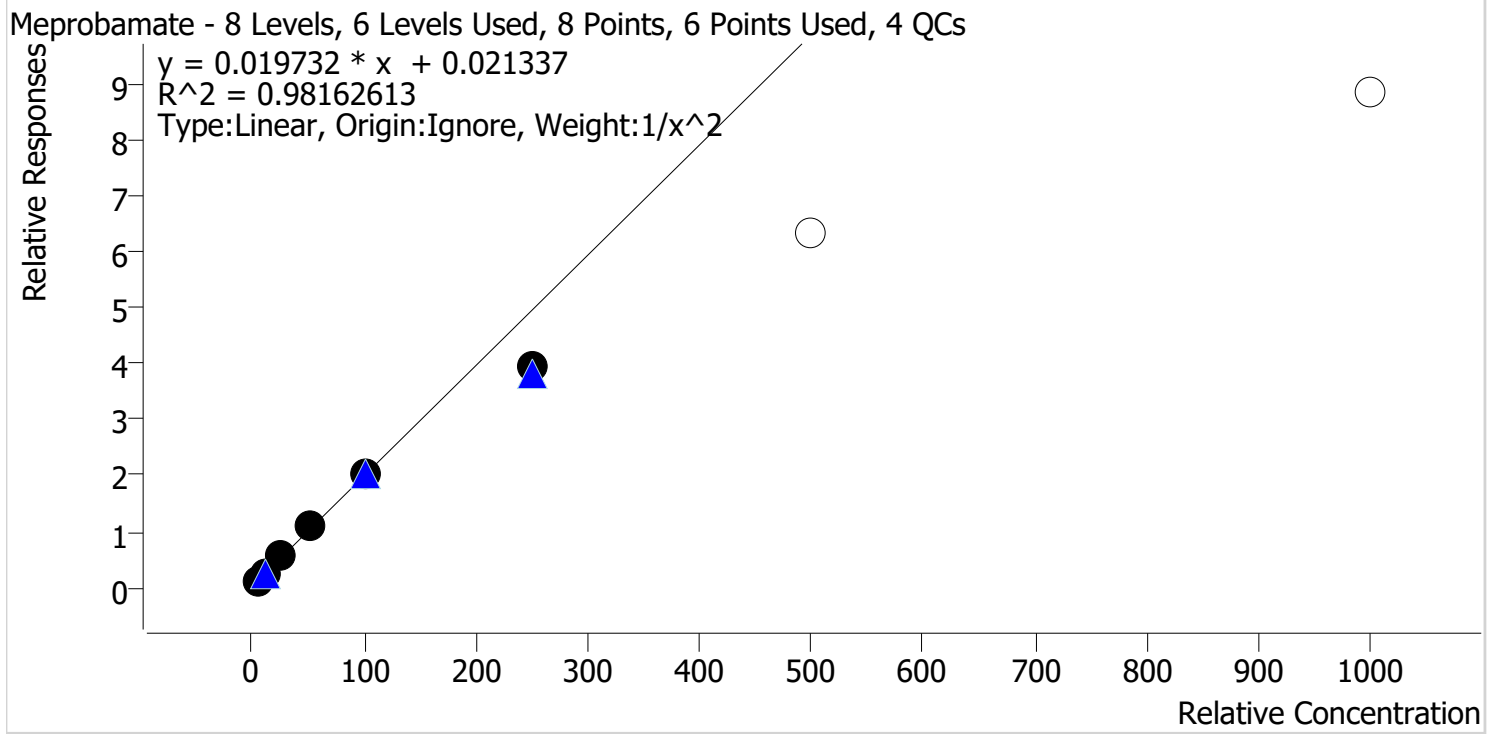
Cal 6-8 dropped due to not meeting accuracy requirement.

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	56.3	112.7
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	200.3	80.1
p1 Cal 7-500ng	7	x	500.0	319.6	63.9
p1 Cal 8-1000ng	8	x	1000.0	447.4	44.7

Cal 7 and 8 dropped due to not meeting accuracy requirement

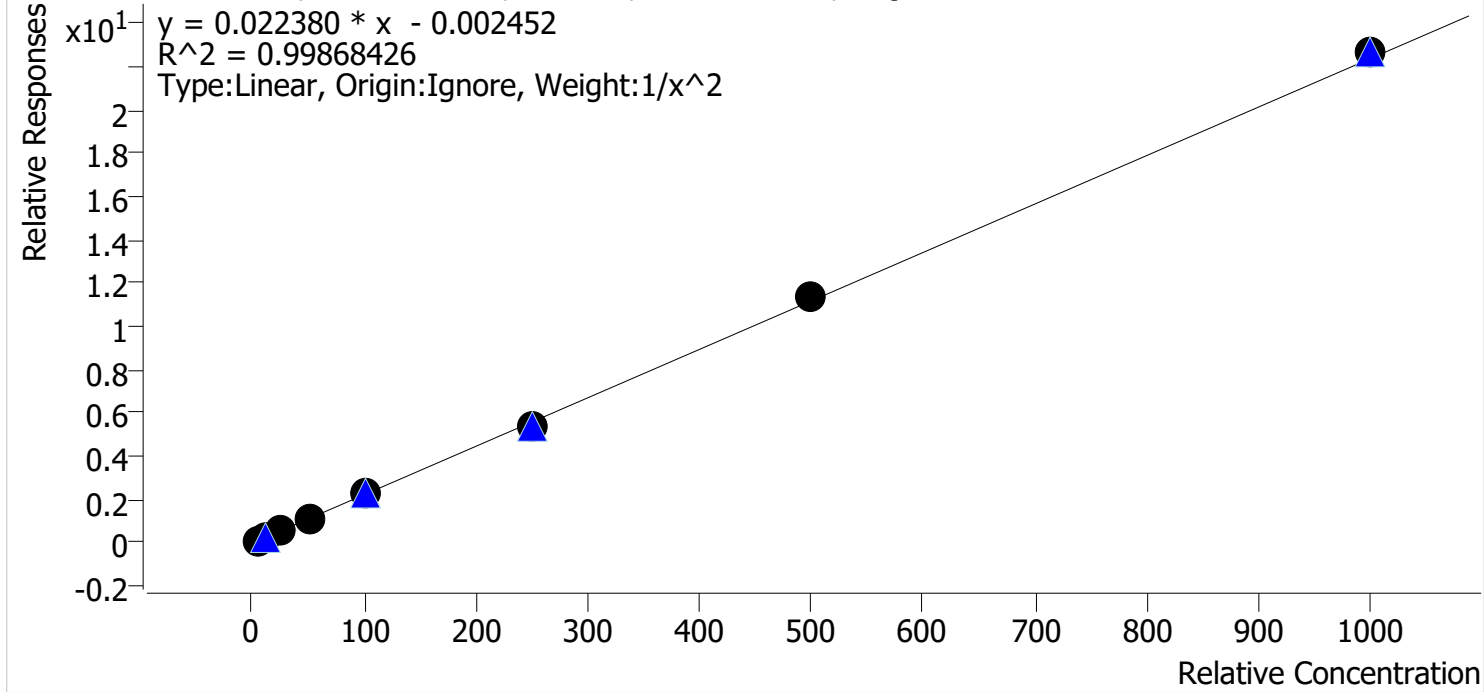
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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



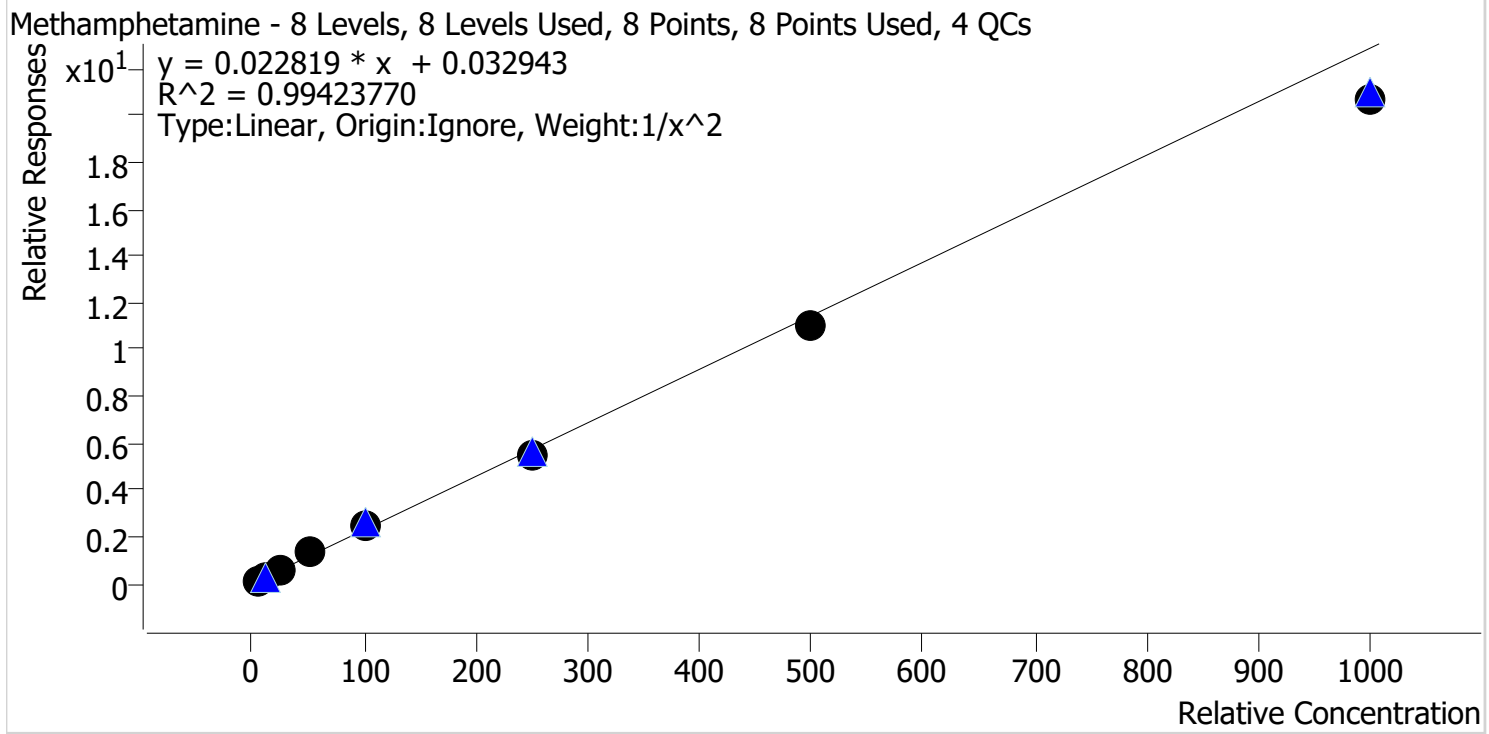
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	240.7	96.3
p1 Cal 7-500ng	7	✓	500.0	505.5	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1011.3	101.1

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	56.1	112.2
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	241.5	96.6
p1 Cal 7-500ng	7	✓	500.0	481.1	96.2
p1 Cal 8-1000ng	8	✓	1000.0	901.7	90.2

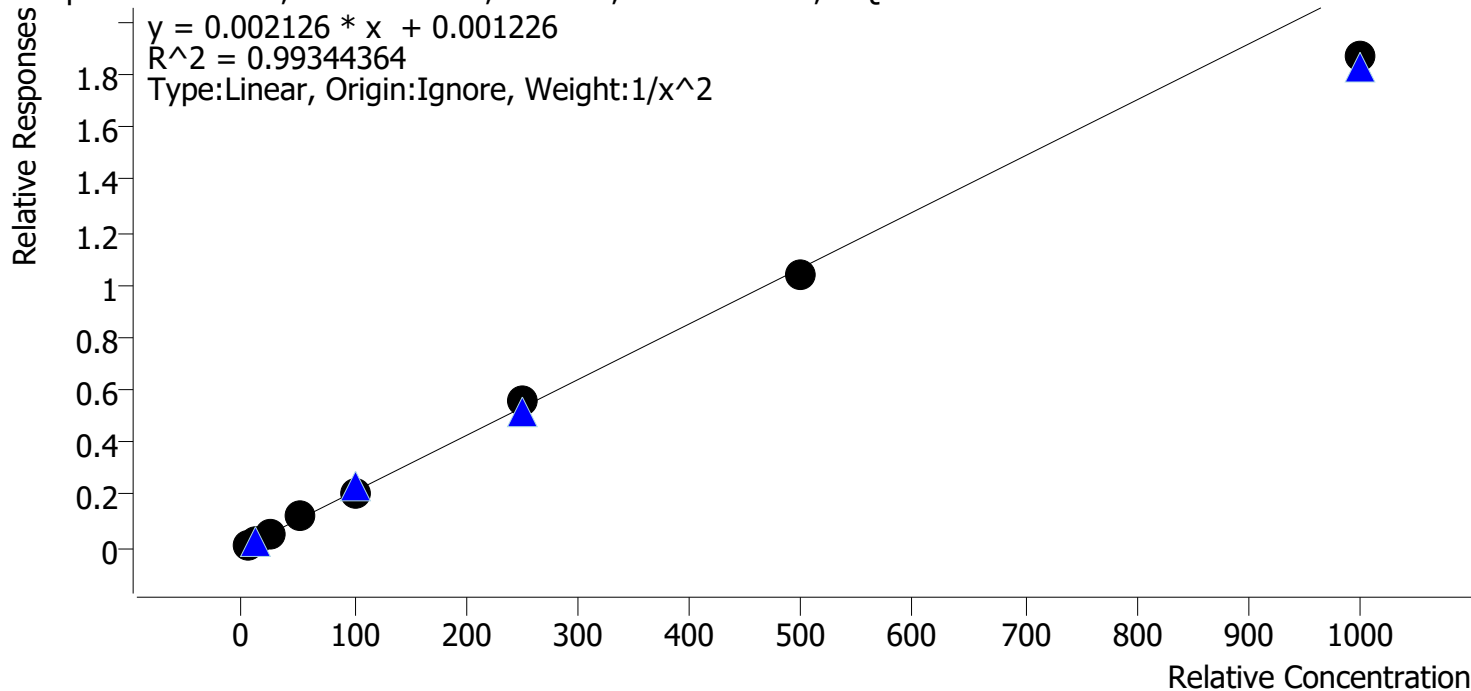
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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



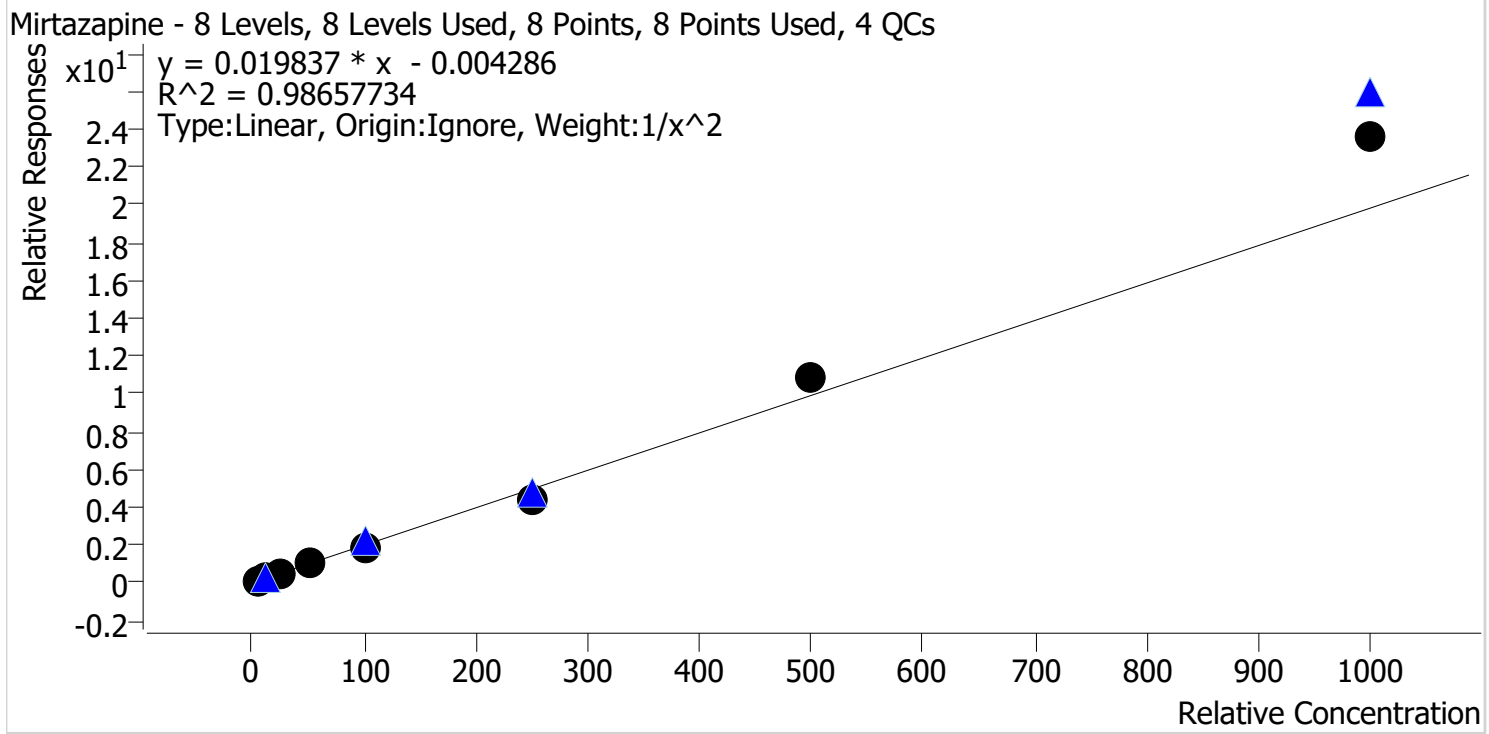
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	55.9	111.9
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	265.6	106.3
p1 Cal 7-500ng	7	✓	500.0	486.8	97.4
p1 Cal 8-1000ng	8	✓	1000.0	877.7	87.8

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.6
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	23.0	91.9
p1 Cal 4-50ng	4	✓	50.0	49.0	98.1
p1 Cal 5-100ng	5	✓	100.0	93.1	93.1
p1 Cal 6-250ng	6	✓	250.0	223.3	89.3
p1 Cal 7-500ng	7	✓	500.0	543.7	108.7
p1 Cal 8-1000ng	8	✓	1000.0	1191.1	119.1

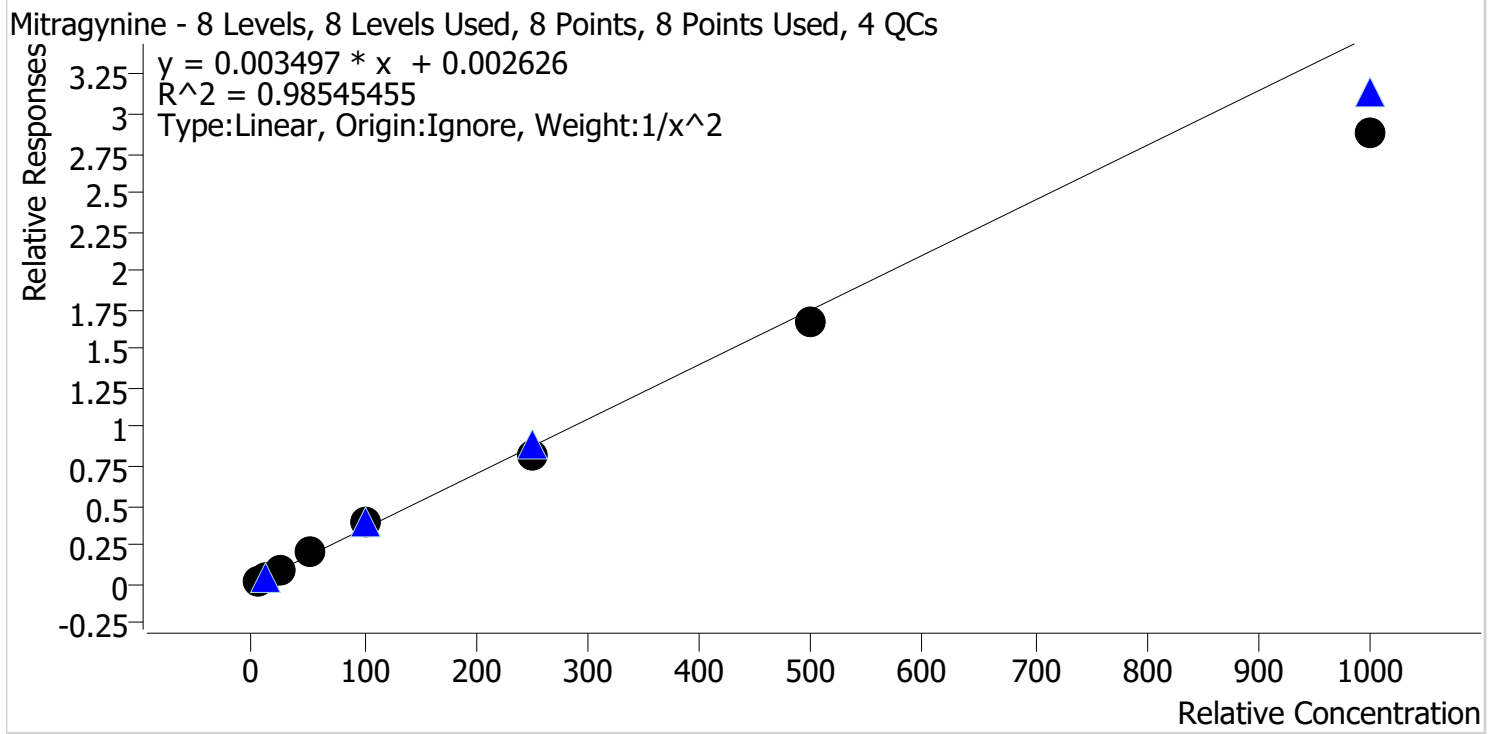


8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9



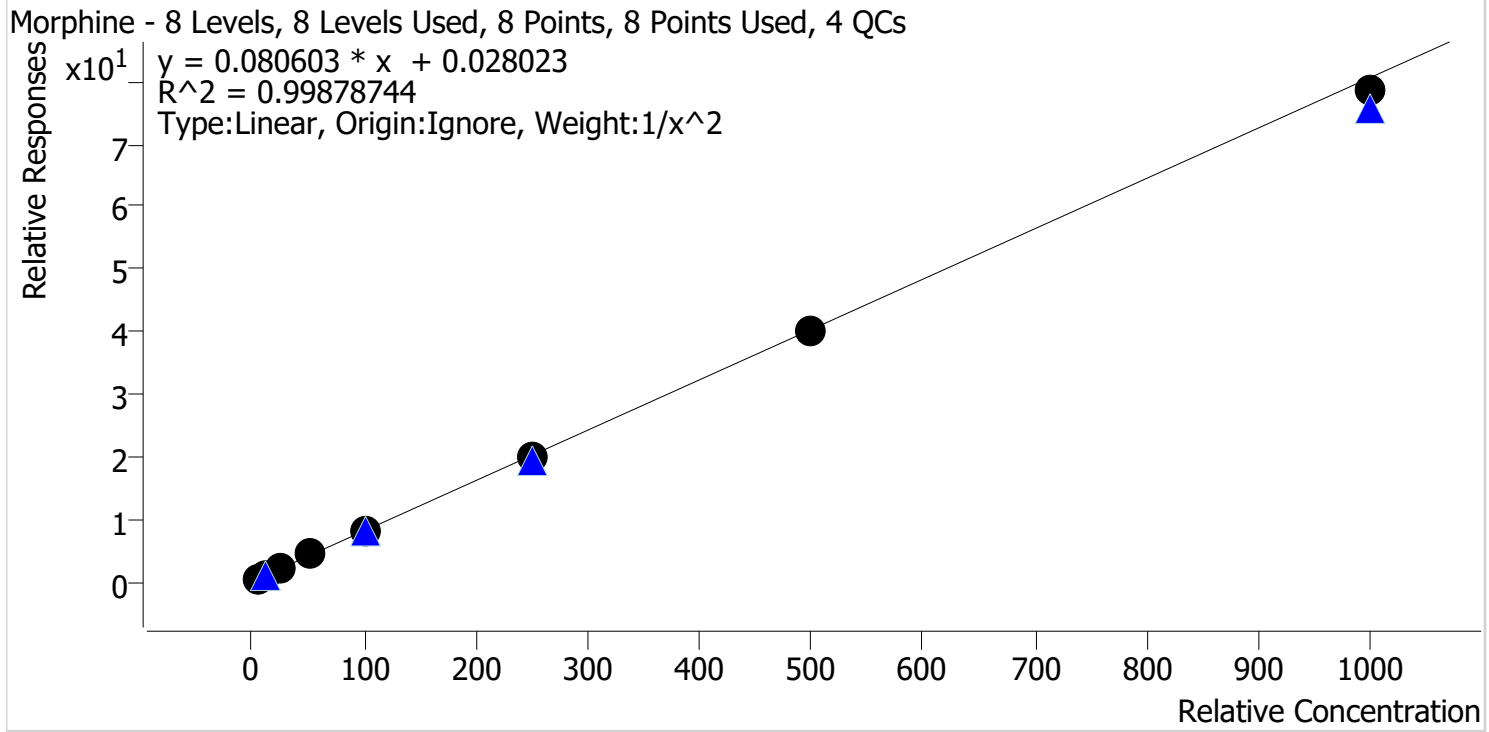
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	56.9	113.7
p1 Cal 5-100ng	5	✓	100.0	114.7	114.7
p1 Cal 6-250ng	6	✓	250.0	234.6	93.8
p1 Cal 7-500ng	7	✓	500.0	476.9	95.4
p1 Cal 8-1000ng	8	✓	1000.0	825.5	82.5

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	494.6	98.9
p1 Cal 8-1000ng	8	✓	1000.0	974.3	97.4

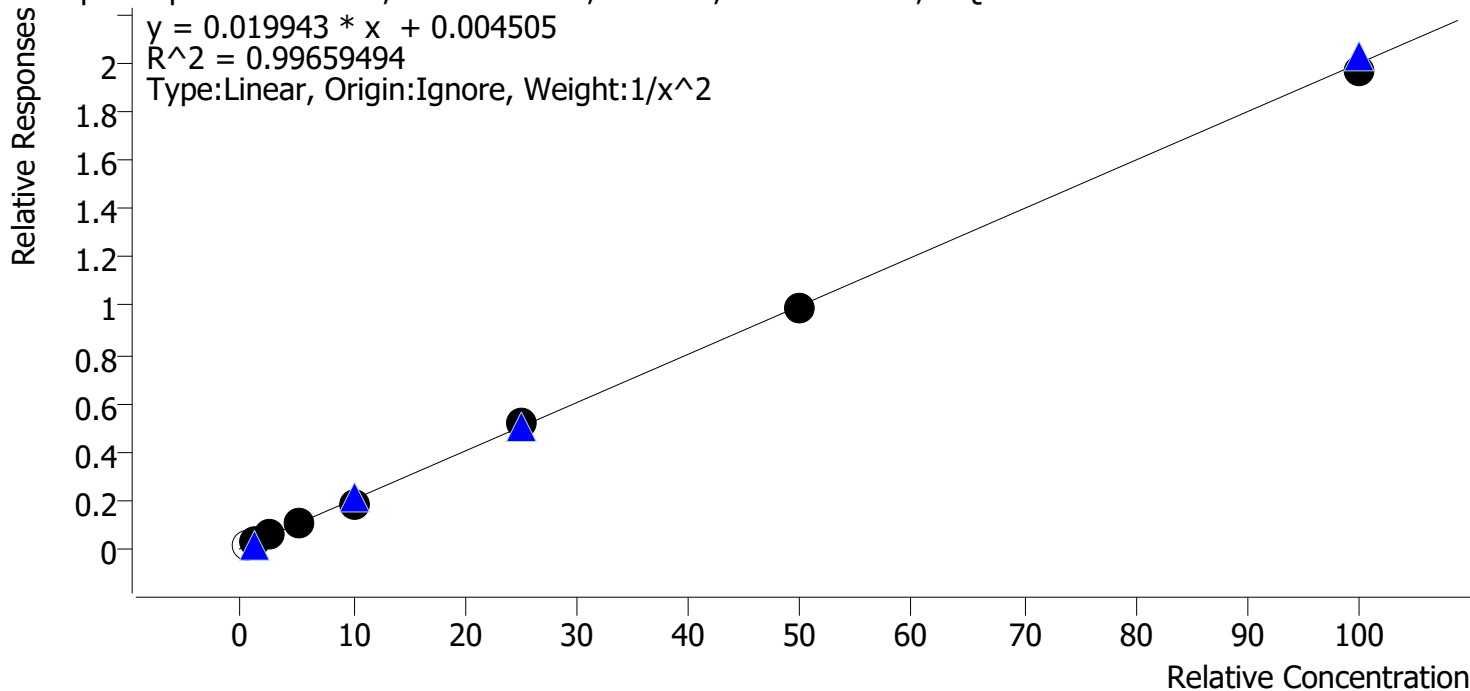
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.7	137.8
p1 Cal 2-10ng	2	✓	1.0	1.0	99.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.3
p1 Cal 4-50ng	4	✓	5.0	5.4	107.8
p1 Cal 5-100ng	5	✓	10.0	9.1	91.3
p1 Cal 6-250ng	6	✓	25.0	25.8	103.4
p1 Cal 7-500ng	7	✓	50.0	49.8	99.6
p1 Cal 8-1000ng	8	✓	100.0	98.5	98.5

Cal 1 dropped due to not meeting ratio requirement

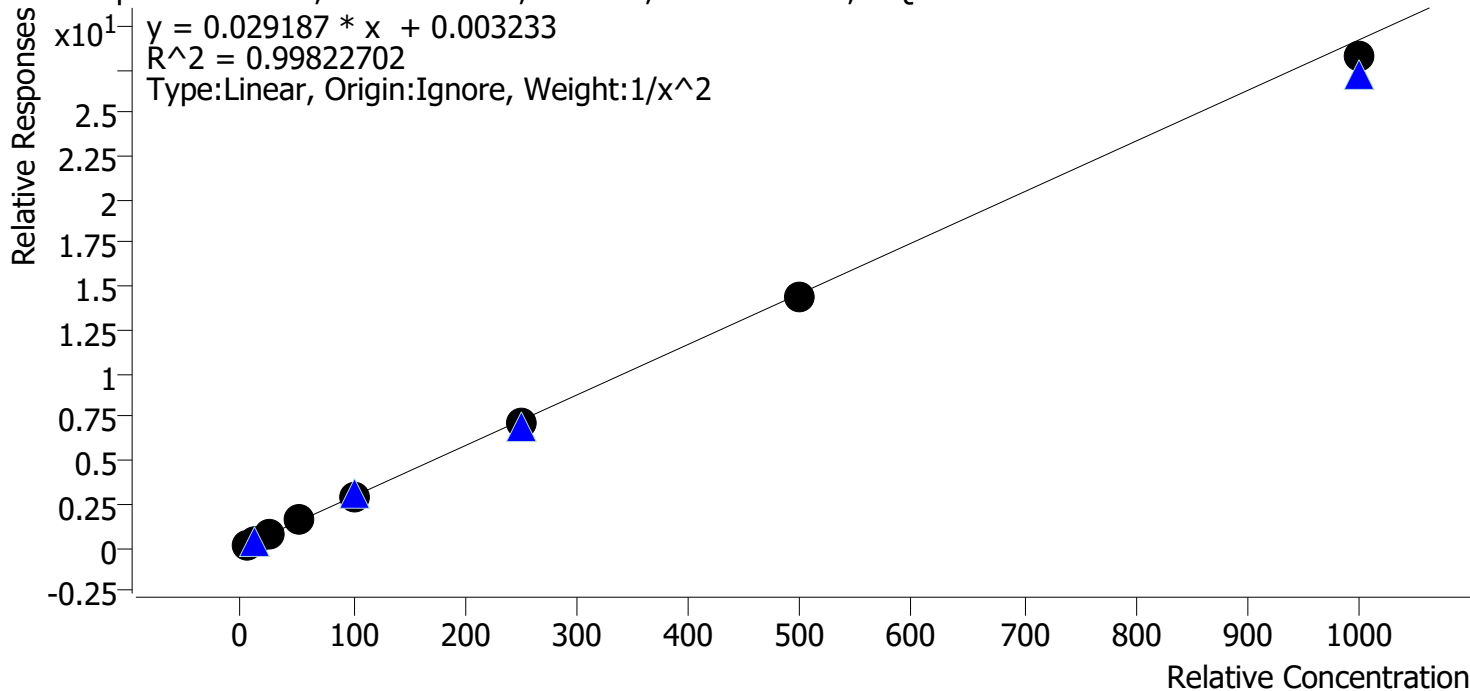
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Nordiazepam Internal Standard Nordiazepam-D5

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



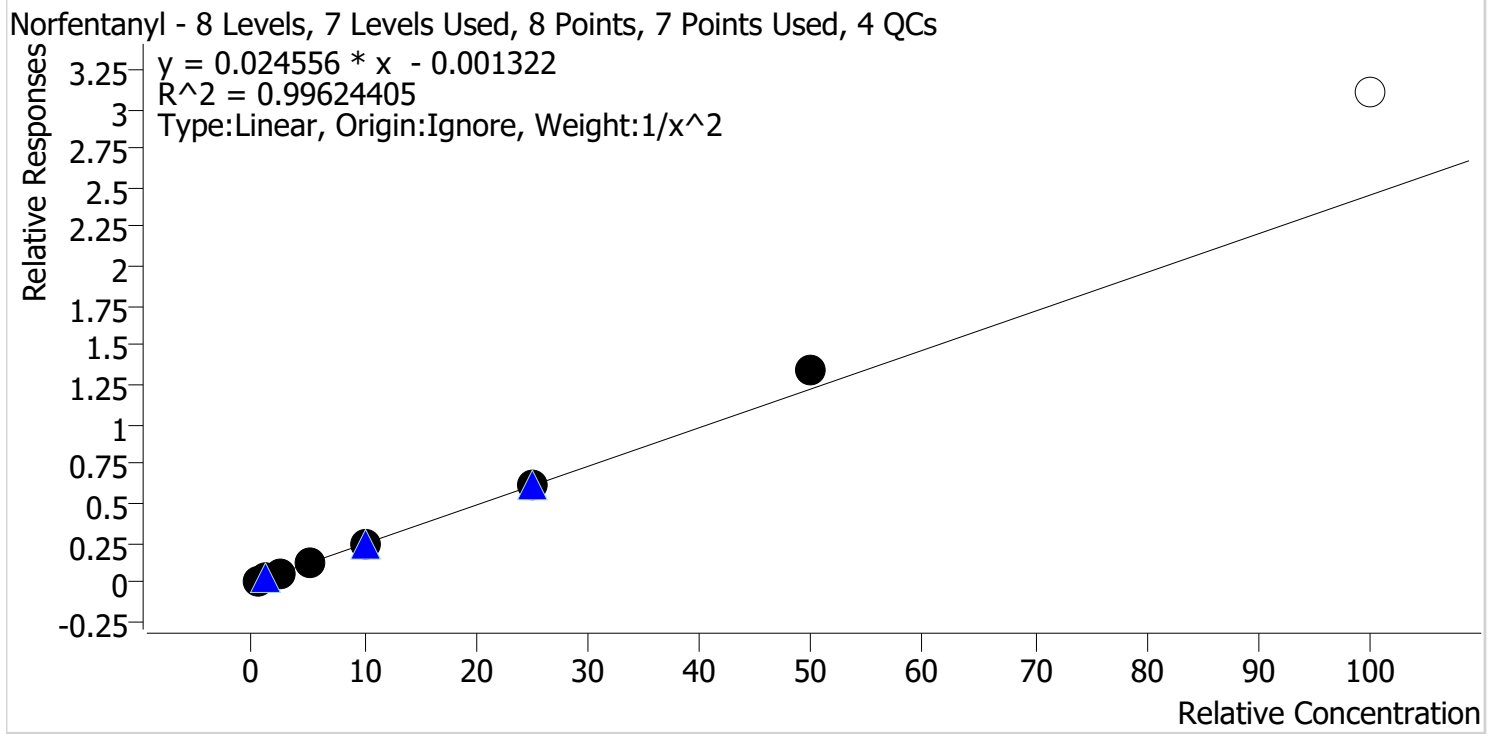
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	492.4	98.5
p1 Cal 8-1000ng	8	✓	1000.0	966.9	96.7

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.7
p1 Cal 2-10ng	2	✓	1.0	1.0	97.7
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.5
p1 Cal 4-50ng	4	✓	5.0	5.0	99.7
p1 Cal 5-100ng	5	✓	10.0	9.8	97.5
p1 Cal 6-250ng	6	✓	25.0	25.1	100.6
p1 Cal 7-500ng	7	✓	50.0	54.7	109.3
p1 Cal 8-1000ng	8	✗	100.0	126.4	126.4

Cal 8 dropped due to not meeting accuracy requirement

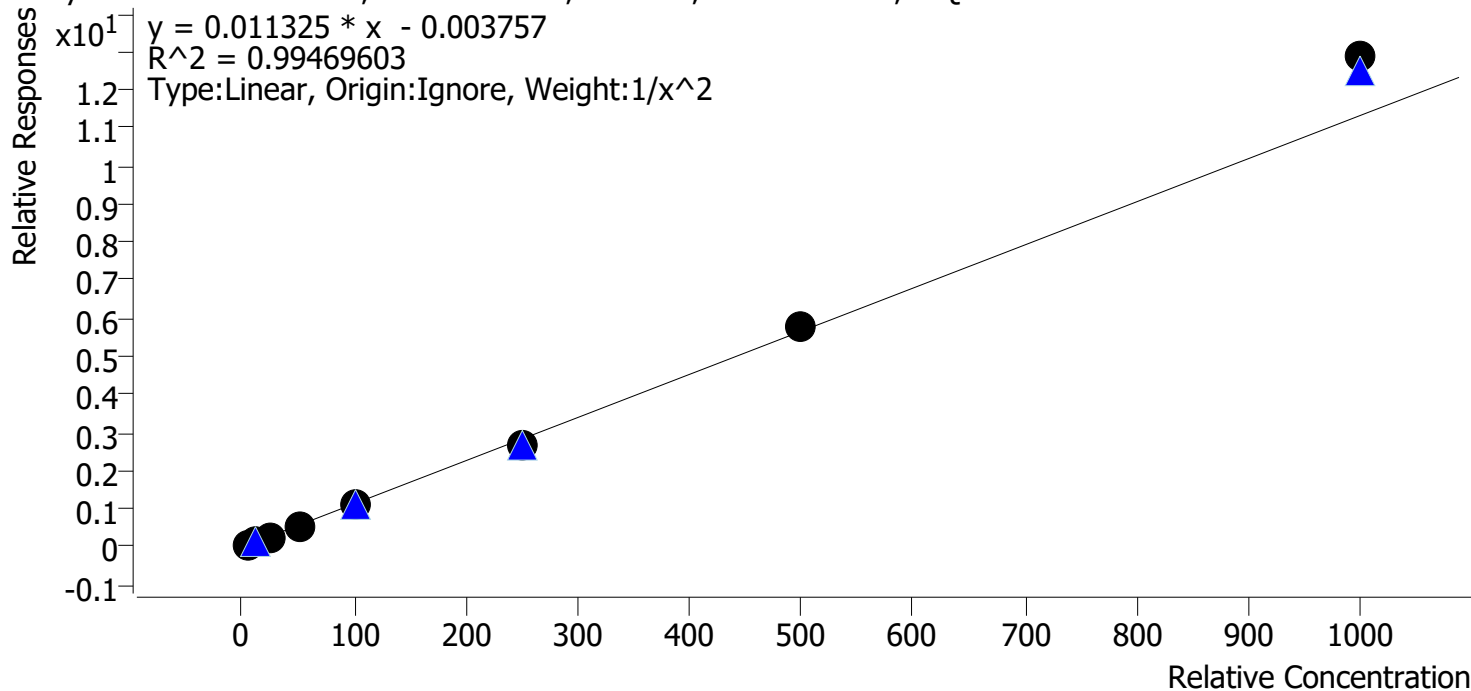
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	94.2	94.2
p1 Cal 6-250ng	6	✓	250.0	239.6	95.9
p1 Cal 7-500ng	7	✓	500.0	511.8	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1136.6	113.7

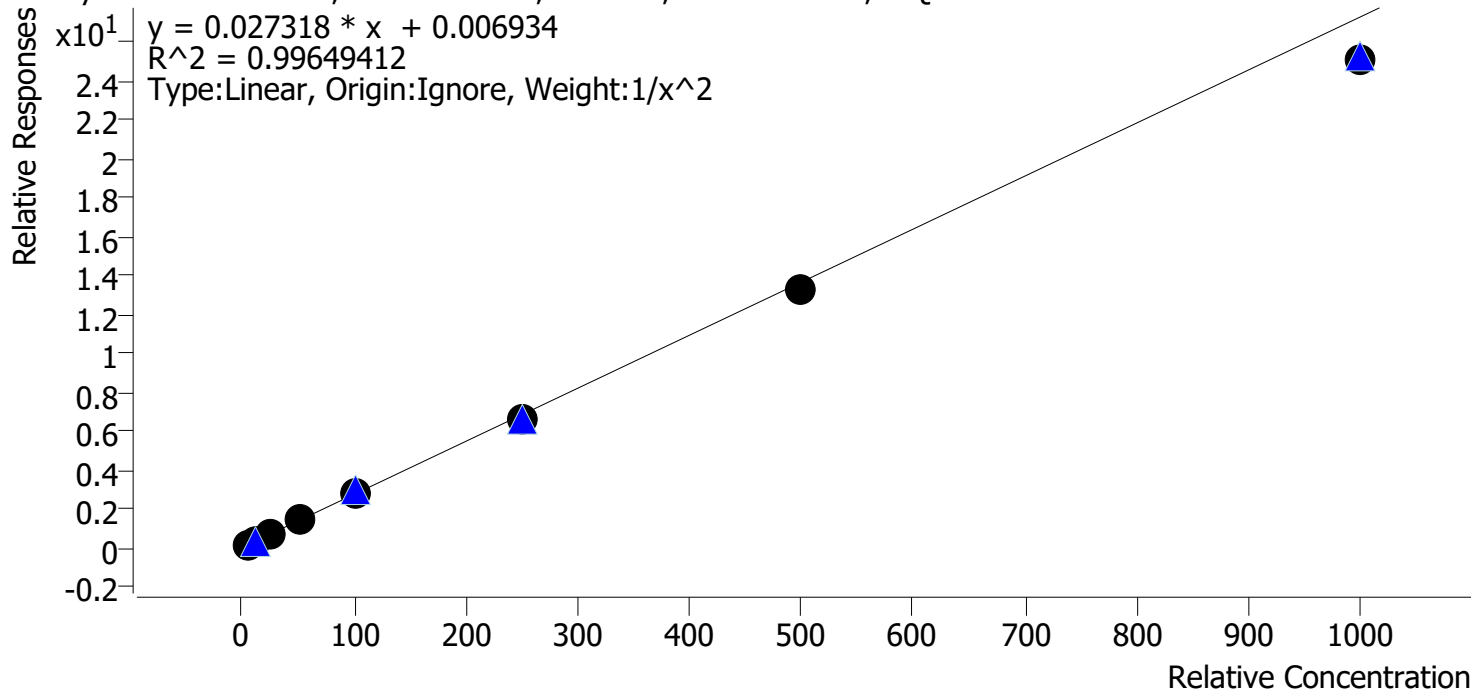
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

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



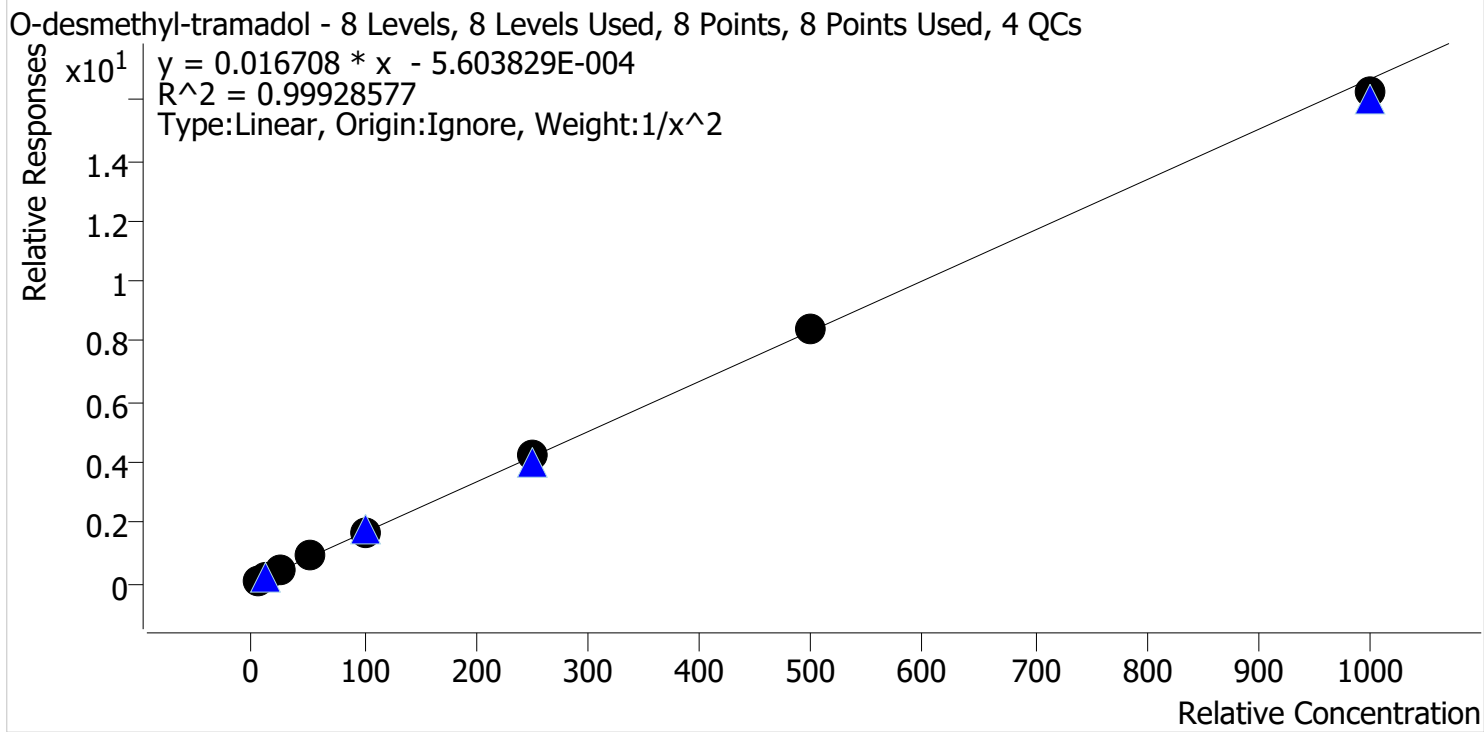
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	54.8	109.7
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	244.2	97.7
p1 Cal 7-500ng	7	✓	500.0	486.9	97.4
p1 Cal 8-1000ng	8	✓	1000.0	919.1	91.9

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	973.8	97.4



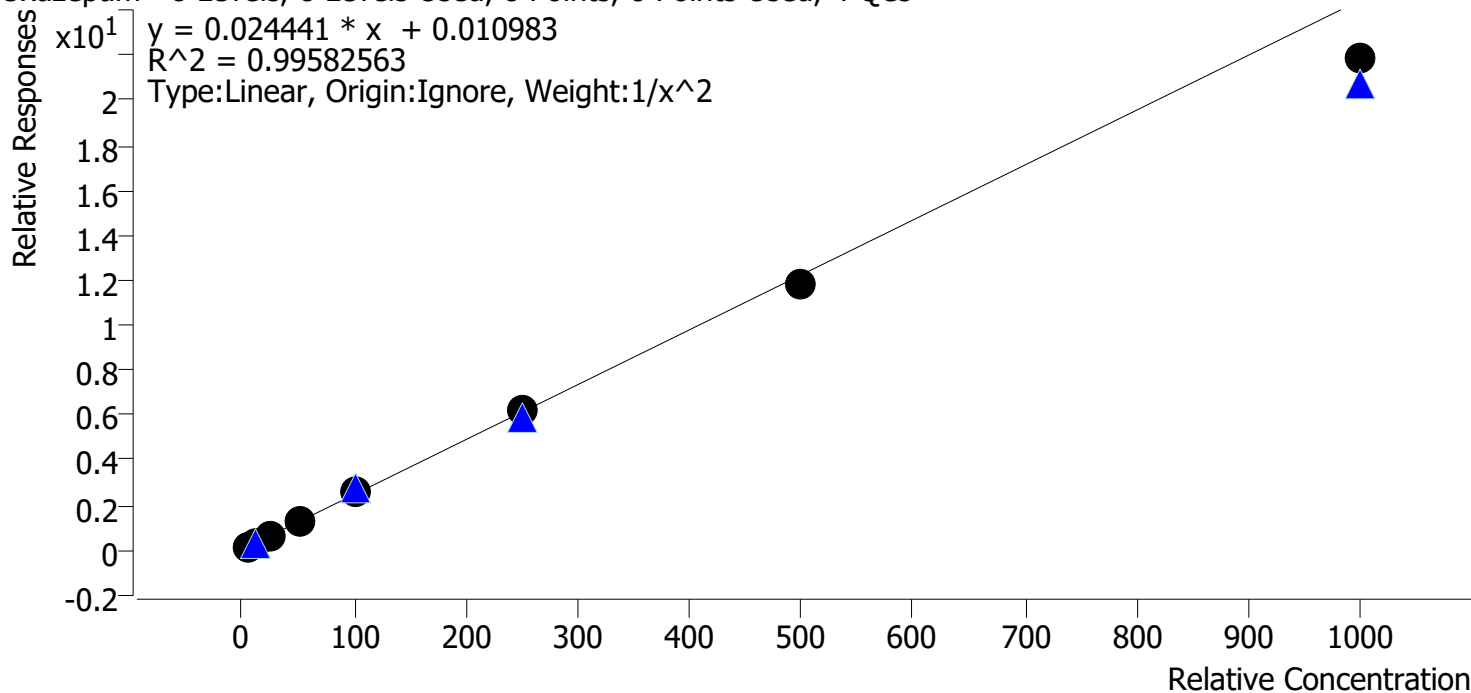
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

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



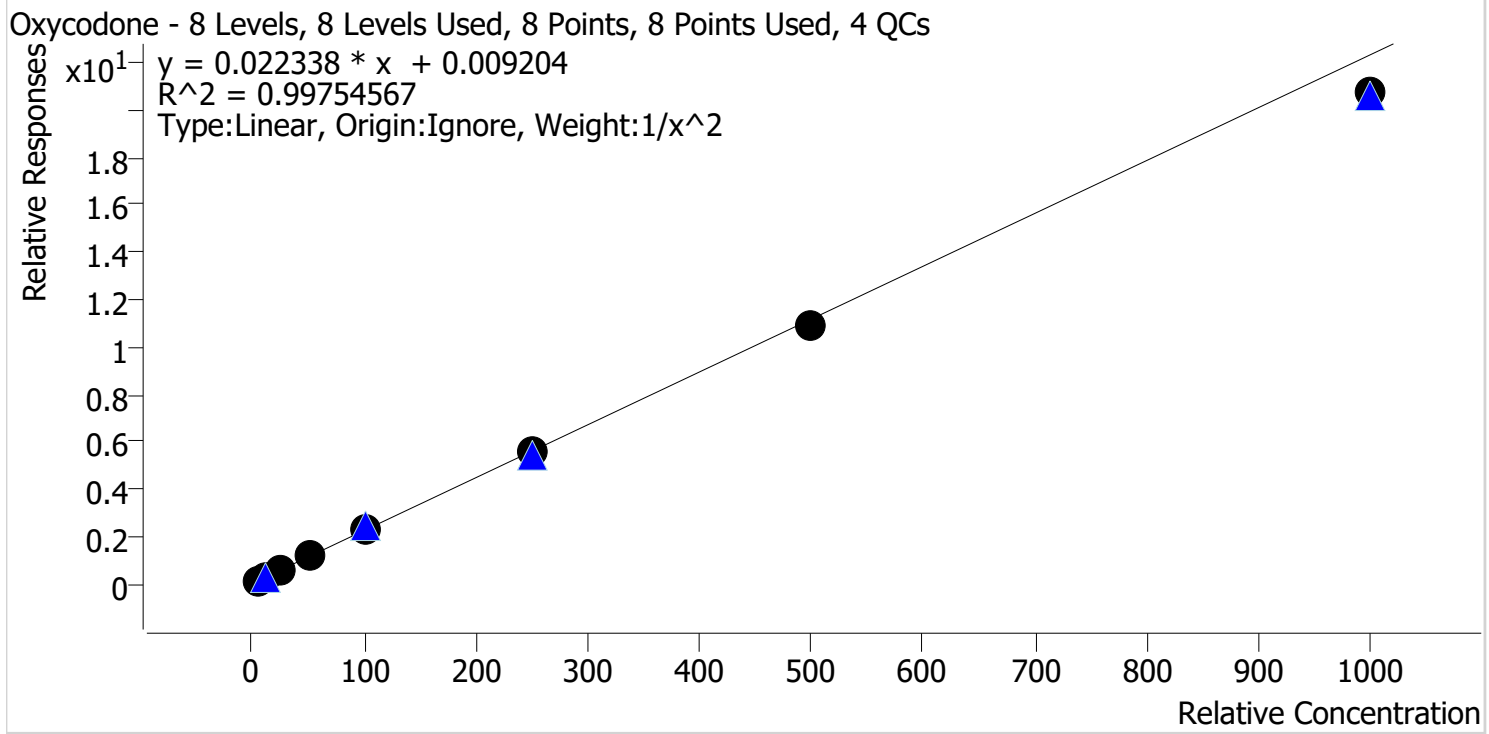
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	482.8	96.6
p1 Cal 8-1000ng	8	✓	1000.0	893.9	89.4

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	488.4	97.7
p1 Cal 8-1000ng	8	✓	1000.0	928.6	92.9

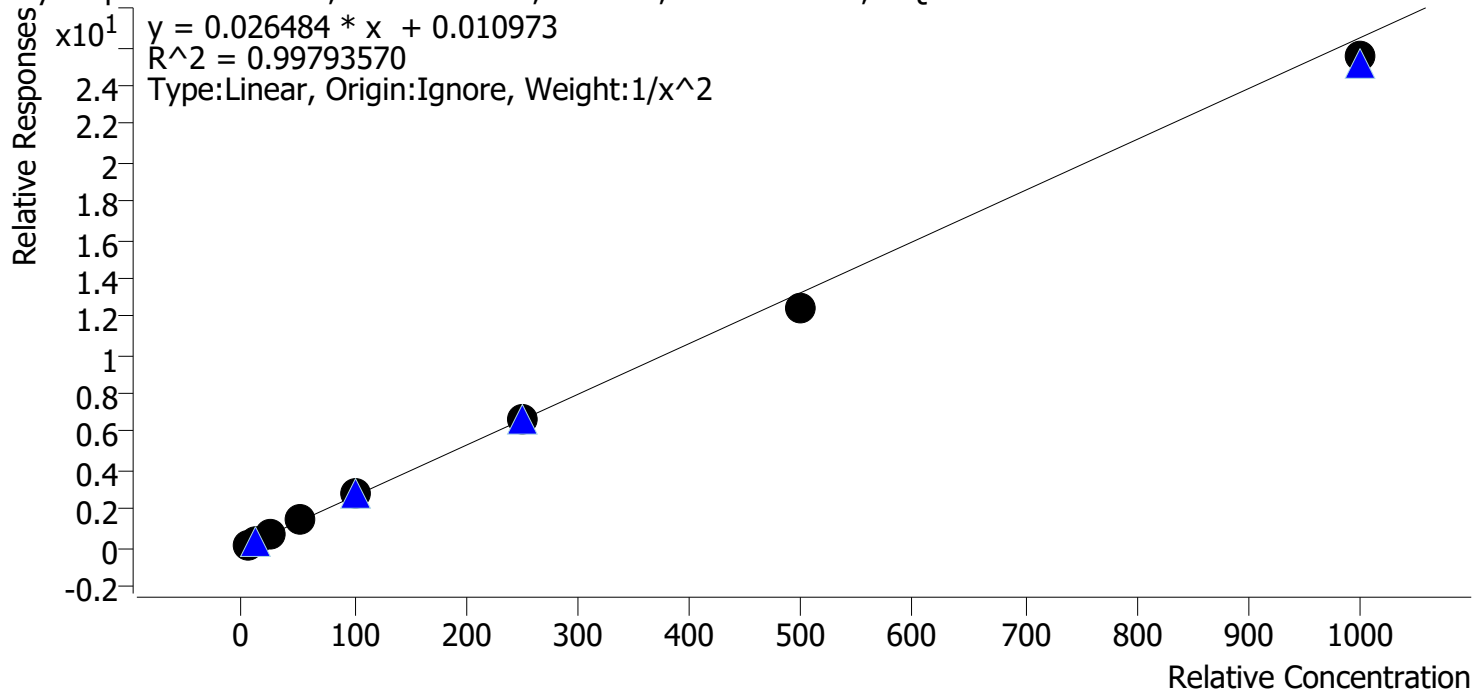
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3

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



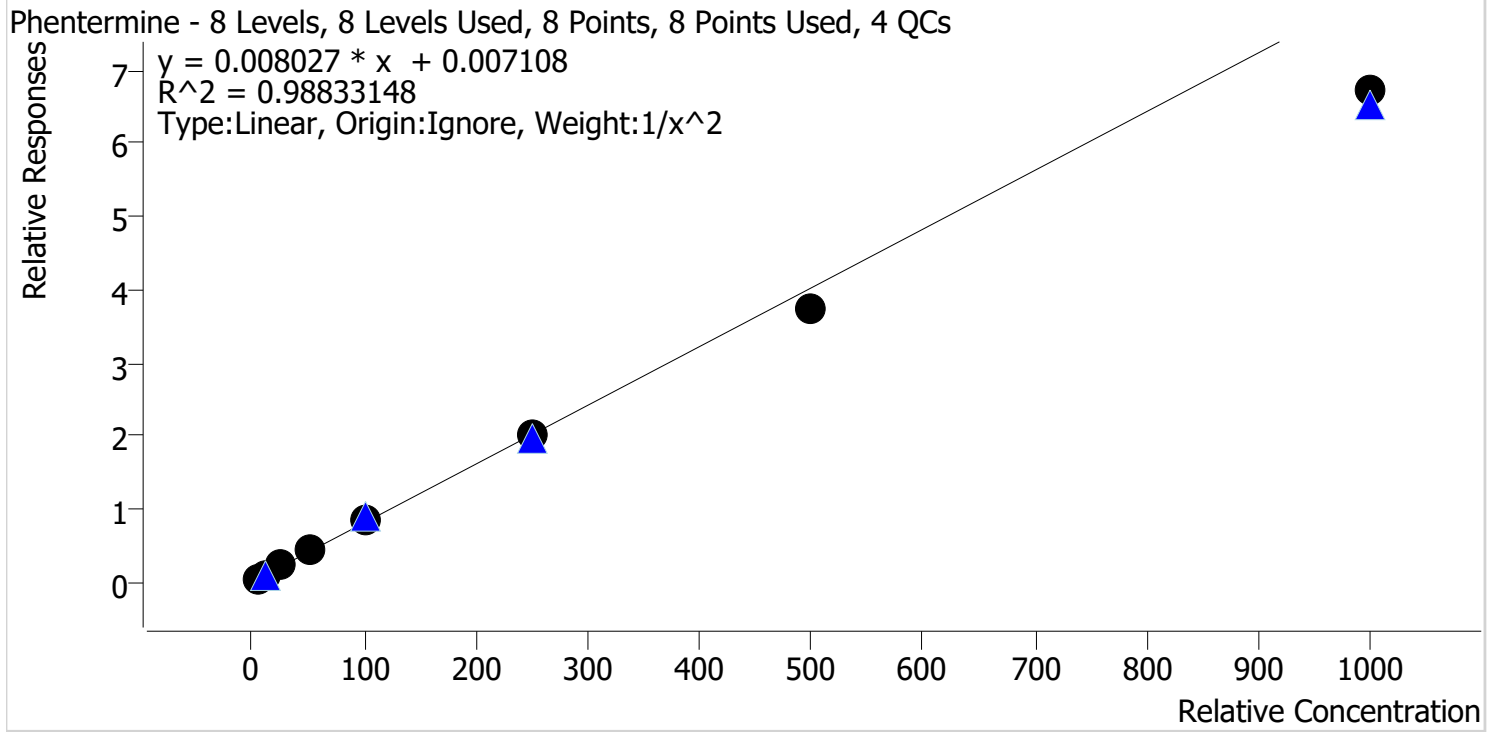
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	472.9	94.6
p1 Cal 8-1000ng	8	✓	1000.0	962.9	96.3

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



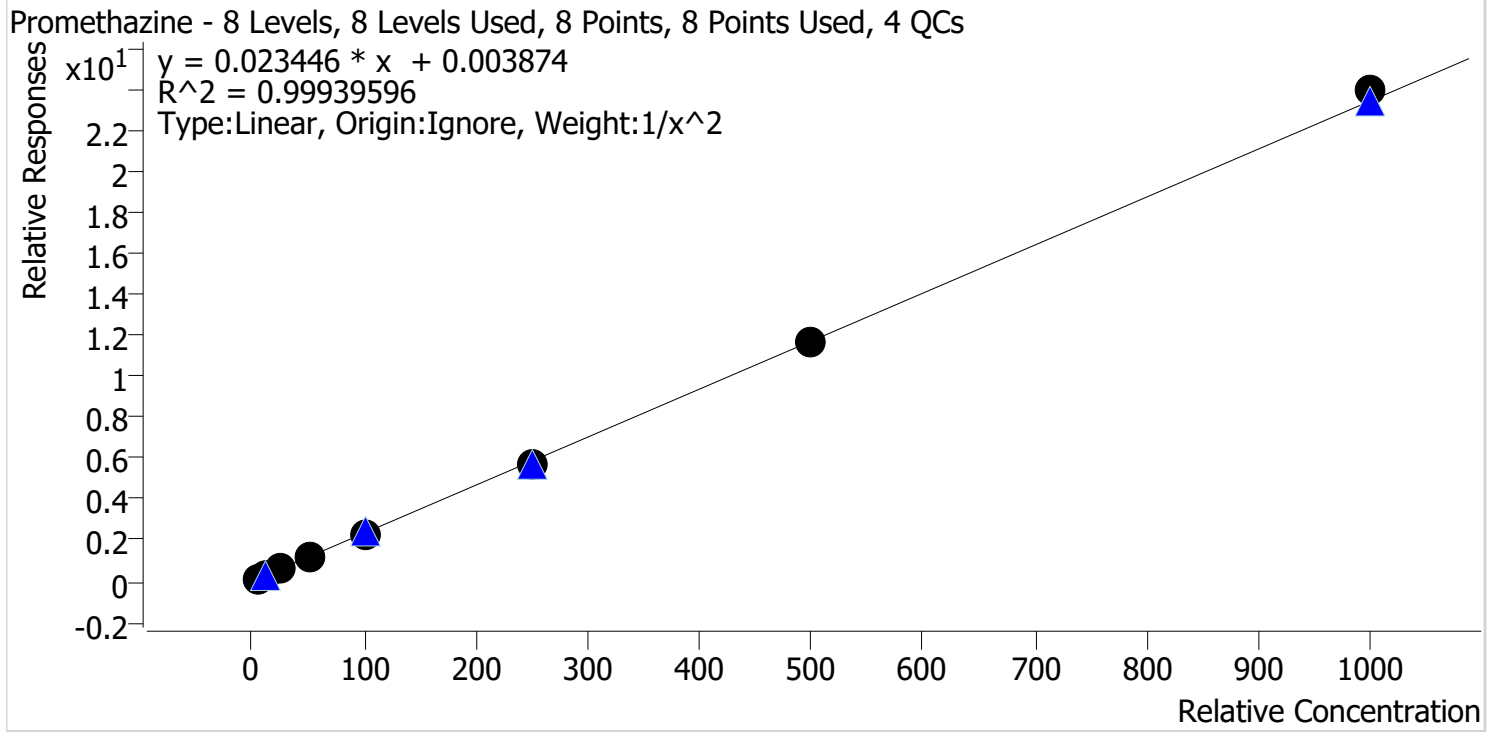
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.6
p1 Cal 4-50ng	4	✓	50.0	57.3	114.6
p1 Cal 5-100ng	5	✓	100.0	107.5	107.5
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	464.6	92.9
p1 Cal 8-1000ng	8	✓	1000.0	835.8	83.6

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	242.5	97.0
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1021.8	102.2

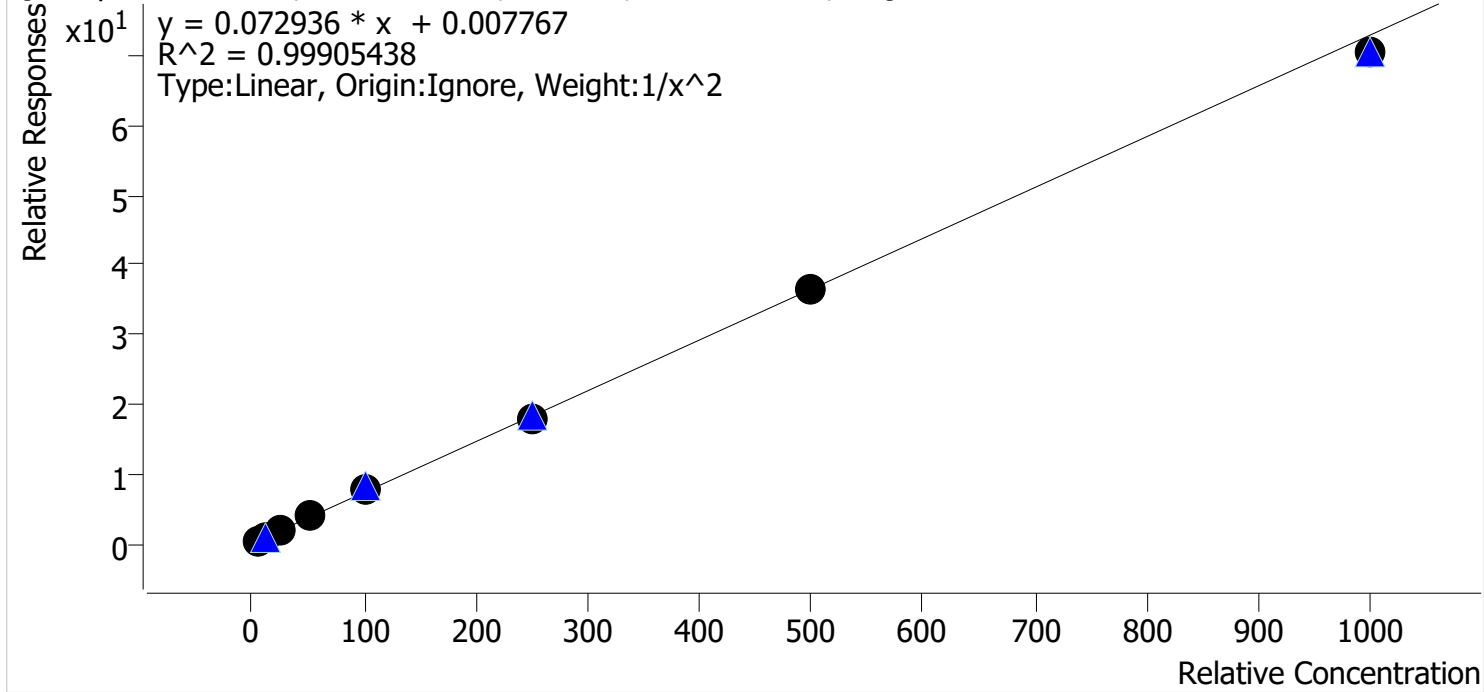
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

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



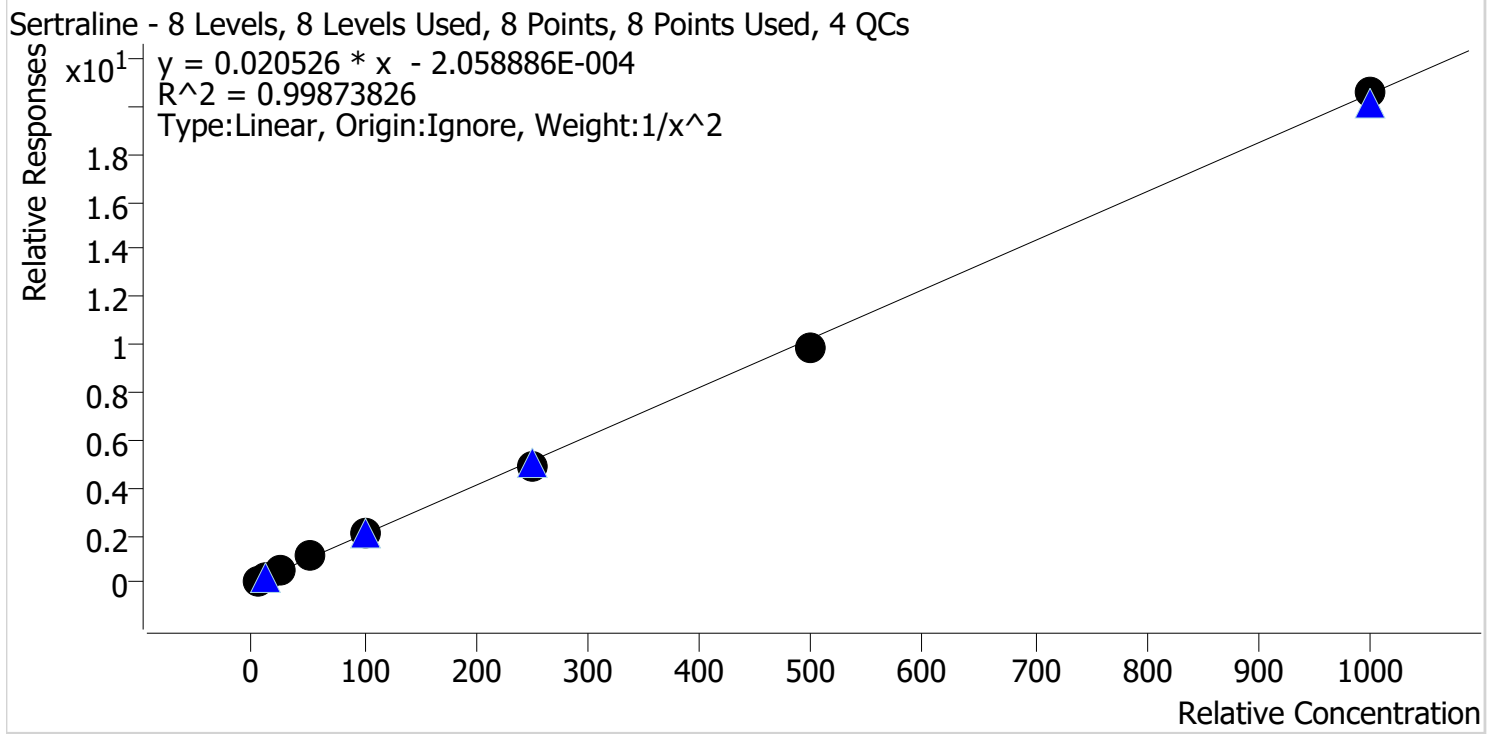
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	246.6	98.7
p1 Cal 7-500ng	7	✓	500.0	498.1	99.6
p1 Cal 8-1000ng	8	✓	1000.0	965.5	96.6

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



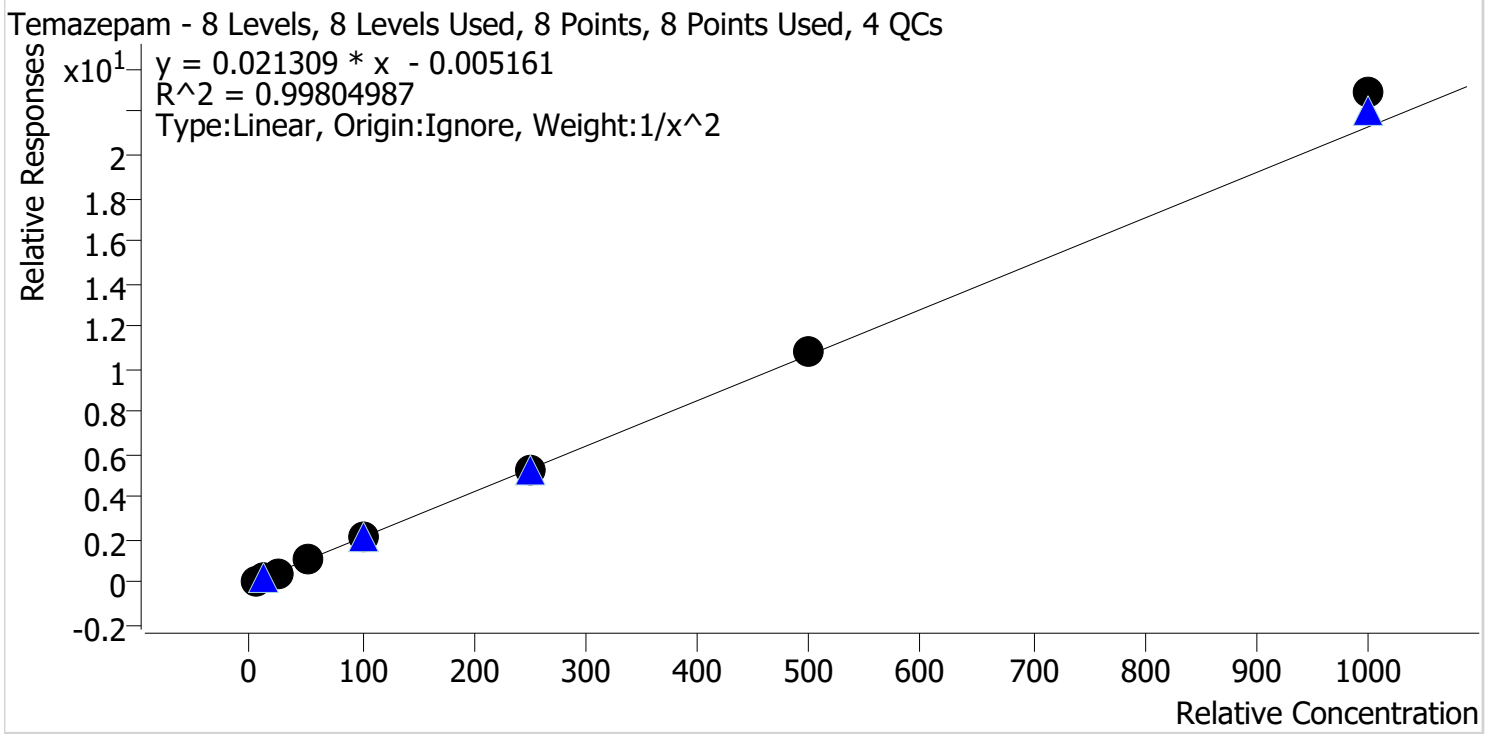
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	241.2	96.5
p1 Cal 7-500ng	7	✓	500.0	483.7	96.7
p1 Cal 8-1000ng	8	✓	1000.0	1002.7	100.3

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	503.7	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1075.2	107.5

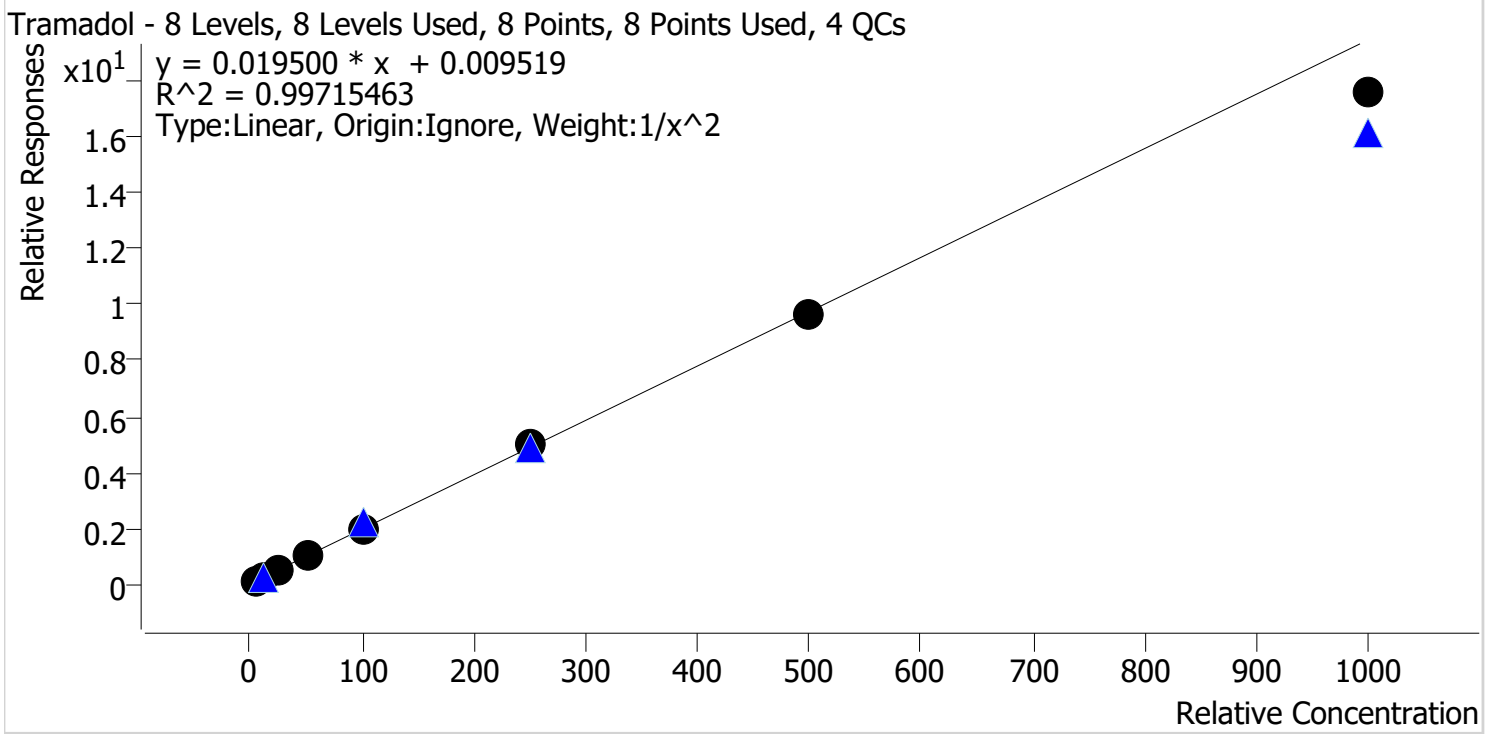


8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



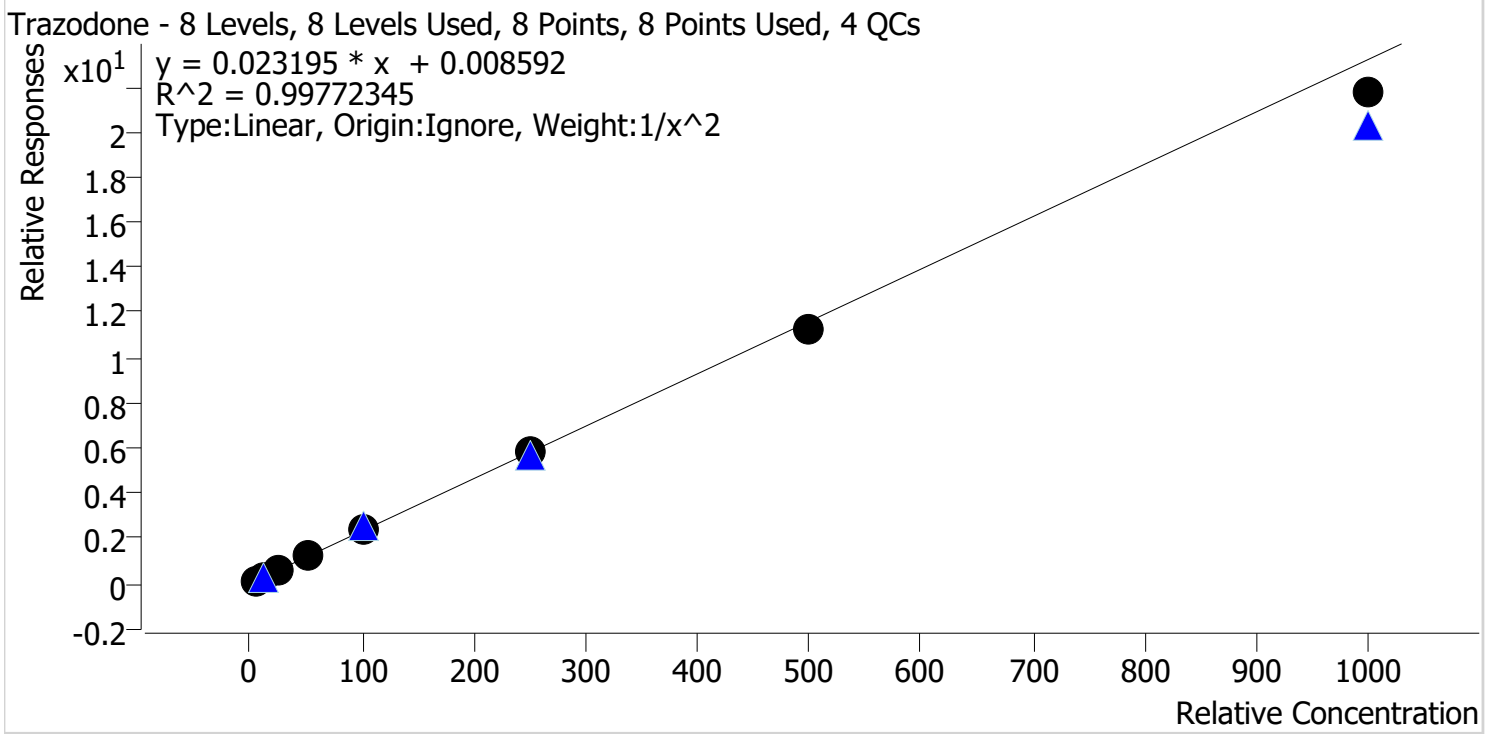
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✓	1000.0	903.0	90.3

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6



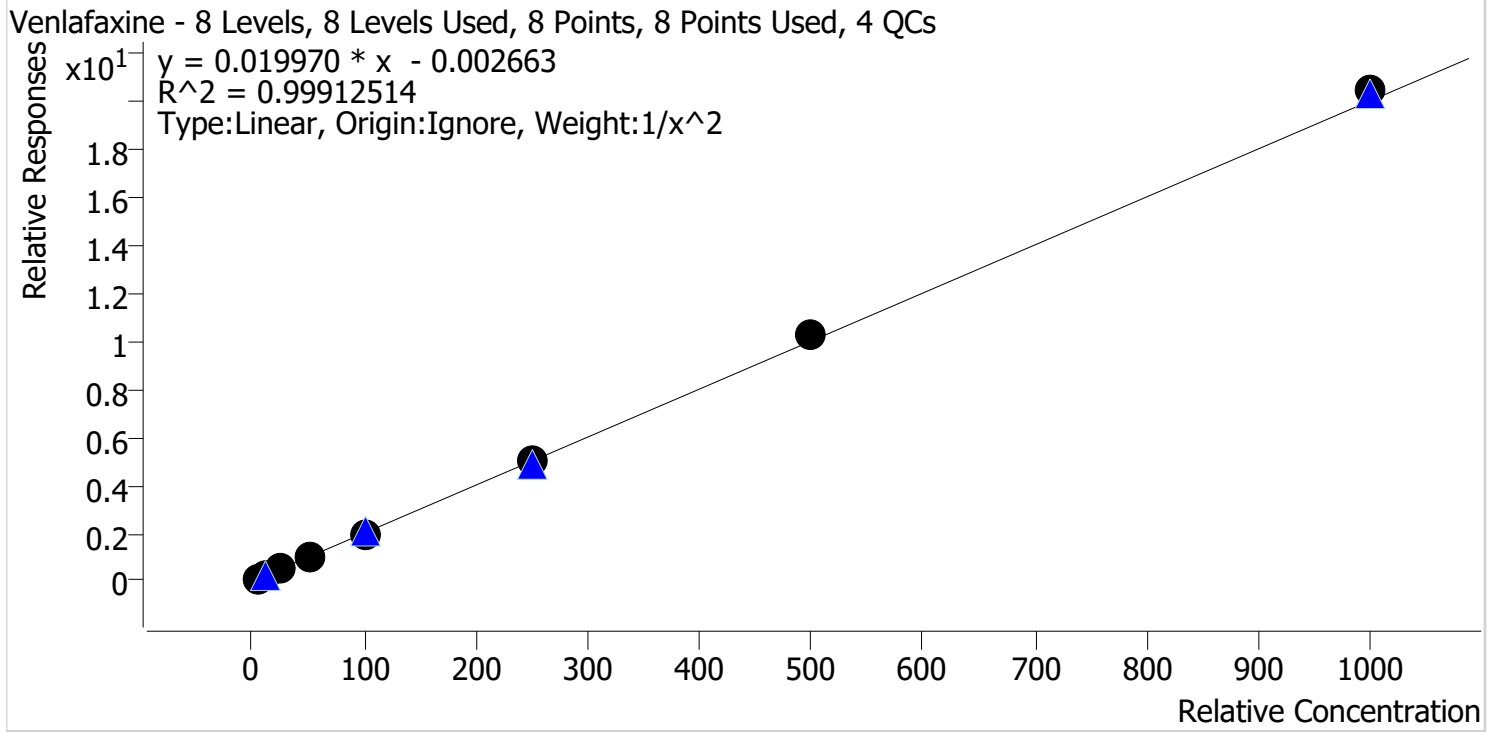
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	486.7	97.3
p1 Cal 8-1000ng	8	✓	1000.0	936.8	93.7

8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	511.2	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1021.4	102.1

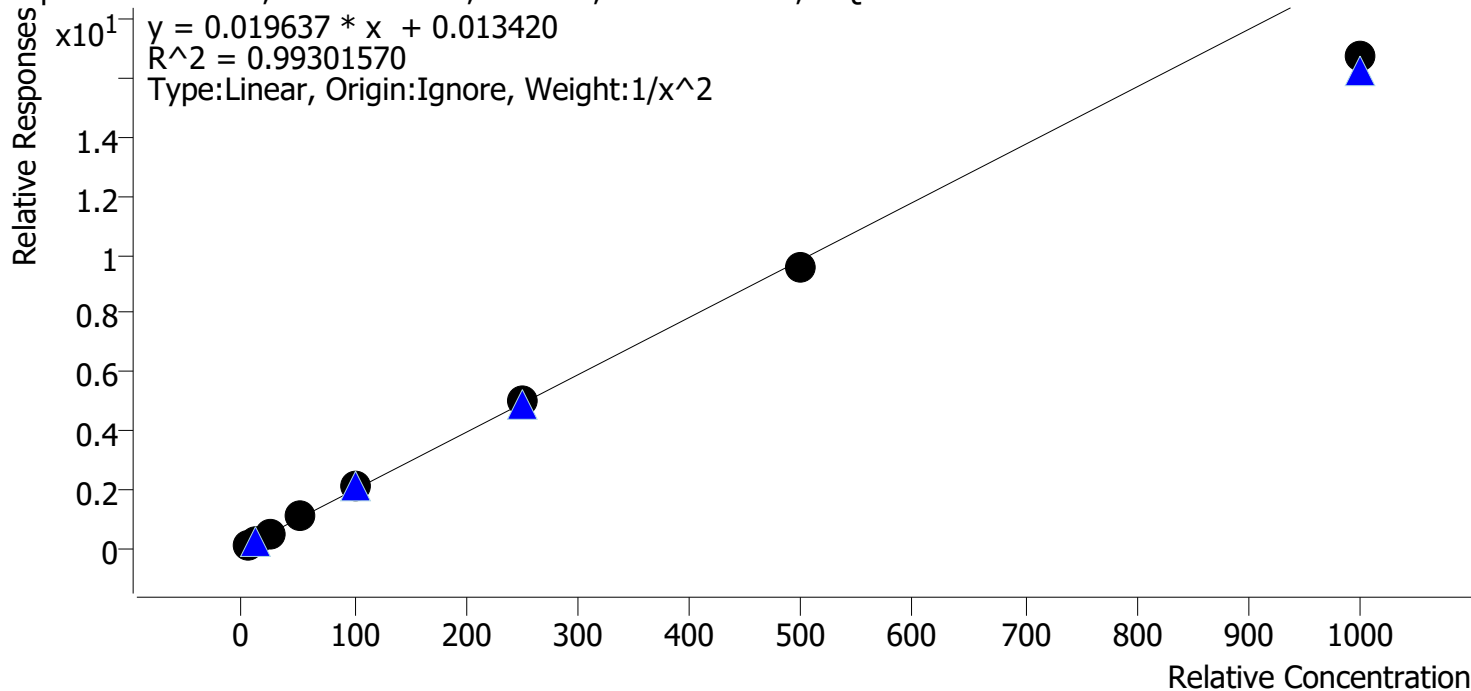
8C



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 3/2/2021 7:52 AM  
**Analyst Name** ISP\Datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	55.4	110.7
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	486.4	97.3
p1 Cal 8-1000ng	8	✓	1000.0	853.0	85.3

8C

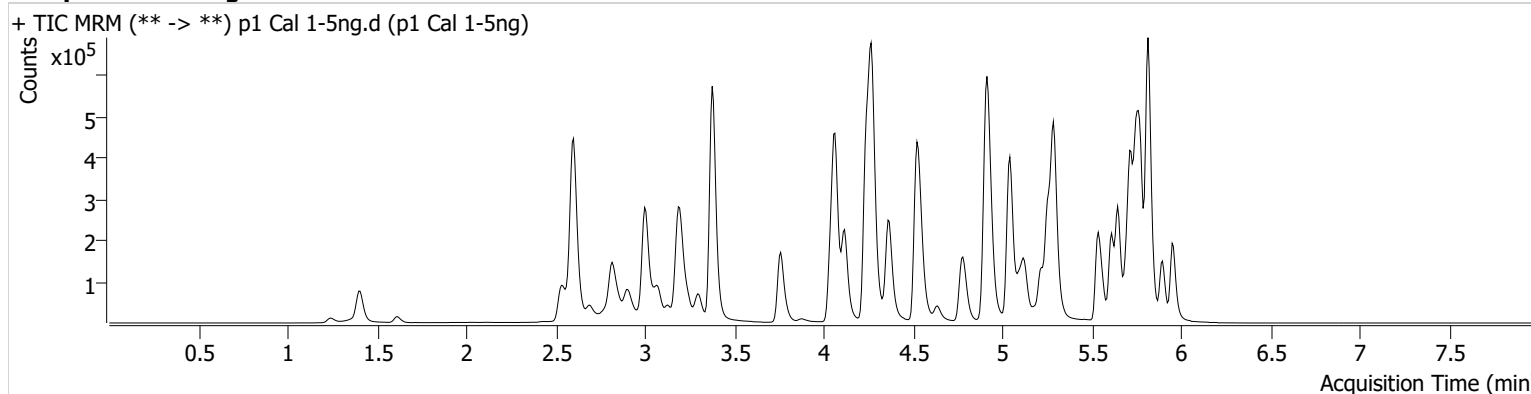


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

<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>	Sarah Collins
<b>Sample Position</b>	P2-H12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/24/2021 12:42:36 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	1476	217.39	67.5	2371.76	72336	0.5077 ng/ml
7-aminoclonazepam	4.278	35505	27094.20	80.6	413839.61	256952	5.0270 ng/ml
a-hydroxyalprazolam	5.698	18247	264.27	63.1	175.89	425596	4.7804 ng/ml
alpha-PHP	4.937	15830	1129.19	264.7	1735.83	548841	4.7808 ng/ml
alpha-PVP	4.376	61304	810.55	52.5	576.09	548841	5.0515 ng/ml
Alprazolam	5.775	57629	2991.63	116.2	835.47	425596	5.0505 ng/ml
Amphetamine	3.076	93872	1921.01	48.9	551.78	202778	4.7843 ng/ml
Benzoylecgonine	3.906	2244	35.78	6.6	∞	15525	5.0859 ng/ml
Buprenorphine	5.873	977	34.30	18.0	283.05	60757	0.5196 ng/ml
Bupropion	4.794	55241	7603.72	59.6	151.32	385108	5.0418 ng/ml
Carisoprodol	5.730	60062	97122.58	56.0	109.00	605612	5.0415 ng/ml
Citalopram	5.218	28746	269.27	43.9	834.57	259351	5.0417 ng/ml
Clonazepam	5.611	69924	1432.12	32.7	341.39	160953	4.9022 ng/ml
Clonazepam	5.555	45902	∞	36.6	140568.11	160953	4.9635 ng/ml
Cocaine	4.270	51688	6921.89	52.7	∞	970776	5.0605 ng/ml
Codeine	2.586	7286	139.08	105.6	31064.04	71458	4.7561 ng/ml
Cyclobenzaprine	5.621	20626	∞	8.2	39.23	163037	5.0774 ng/ml
Dextromethorphan	5.268	16209	162.43	80.5	752.04	152487	4.9814 ng/ml
Dextrophan	4.118	18246	464.73	212.6	1243.05	436412	5.0350 ng/ml
Diazepam	5.960	36344	135.14	89.2	261.85	338215	4.9561 ng/ml
Dihydrocodeine	2.565	17802	5608.17	63.9	332.66	209348	4.8536 ng/ml
Diphenhydramine	5.296	79565	10413.14	32.6	433.13	926752	5.1251 ng/ml
Doxylamine	4.542	130101	∞	99.1	9687.11	1114189	4.9679 ng/ml
EDDP	5.261	44666	815.81	41.7	804.96	448150	5.0735 ng/ml
Etizolam	5.819	33593	2150.84	26.1	70466.18	160953	5.1546 ng/ml
Fentanyl	5.109	2241	85.07	64.3	10154.51	212930	0.4959 ng/ml
Flualprazolam	5.705	28379	335.17	90.4	3210.47	425596	4.9896 ng/ml
Fluoxetine	5.707	22735	744.62	9.0	881.30	178683	4.9231 ng/ml
Hydrocodone	3.032	26585	147.39	37.1	82.96	600882	4.7813 ng/ml
Hydromorphone	1.615	23615	635.55	74.6	288.88	8404	4.9466 ng/ml
Ketamine	4.058	52494	252.23	36.9	249.33	477707	4.9923 ng/ml
Lamotrigine	4.293	5910	772.70	82.2	614.89	477707	4.9306 ng/ml
Levetiracetam	2.690	27212	265.45	161.3	685.29	1143695	5.6310 ng/ml

8C



# AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	62481	815.54	57.8	∞	160953	4.8541 ng/ml
MDA	3.216	80139	241.88	24.7	474.63	436630	4.7751 ng/ml
MDMA	3.303	47186	4481.57	79.9	1606.95	93462	4.9997 ng/ml
Meprobamate	4.931	38108	∞	27.2	141.71	327729	4.8116 ng/ml
Methadone	5.652	51031	2929.63	46.0	129.20	462910	5.0355 ng/ml
Methamphetamine	3.244	53014	331.12	37.3	208.68	363418	4.9492 ng/ml
Metoprolol	4.332	12838	6160.50	89.2	1200.79	1082349	5.0026 ng/ml
Mirtazapine	4.637	54587	1757.60	49.5	872.99	548841	5.2299 ng/ml
Mitragynine	5.243	9096	2486.08	41.9	619.26	462910	4.8688 ng/ml
Morphine	1.246	3649	∞	28.1	5174.02	8404	5.0385 ng/ml
Norbuprenorphine	4.985	181	20.02	74.6 <b>Low</b>	160.04	9890	0.6892 ng/ml
Nordiazepam	5.899	36689	643.22	58.7	665.07	245676	5.0058 ng/ml
Norfentanyl	4.086	10091	66.37	36.8	∞	894053	0.5135 ng/ml
Norhydrocodone	3.080	4752	135.59	38.7	55.83	87330	5.1364 ng/ml
Noroxycodone	2.923	28952	715.02	41.0	475.09	204284	4.9341 ng/ml
O-desmethyl-tramadol	3.383	112770	9177.34	6.9	721.62	1349684	5.0344 ng/ml
Oxazepam	5.756	76154	564.45	69.5	317.33	581319	4.9106 ng/ml
Oxycodone	2.848	56601	465.82	26.0	763.49	471900	4.9574 ng/ml
Oxymorphone	1.405	29643	185.90	43.9	424.51	207753	4.9731 ng/ml
Phentermine	3.796	20592	397.53	4.8	17.95	447743	4.8442 ng/ml
Promethazine	5.538	41030	7568.22	26.3	92.69	337231	5.0241 ng/ml
Pseudoephedrine	2.610	120169	1431.62	16.4	353.96	1143695	5.1256 ng/ml
Quetiapine	5.562	36071	1188.61	59.7	334.24	98067	4.9366 ng/ml
Sertraline	5.775	10817	204.98	103.4	∞	107077	4.9316 ng/ml
Temazepam	5.823	123781	3538.45	29.7	194.39	1199389	5.0853 ng/ml
Tramadol	4.252	114613	1175.89	3.7	97.85	1082349	4.9423 ng/ml
Trazodone	5.183	37341	5240.23	78.5	575.99	302119	4.9580 ng/ml
Venlafaxine	5.043	90619	480.04	39.2	192.05	914780	5.0939 ng/ml
Zolpidem	4.934	134135	14941.87	30.3	4096.43	1222510	4.9040 ng/ml

8C



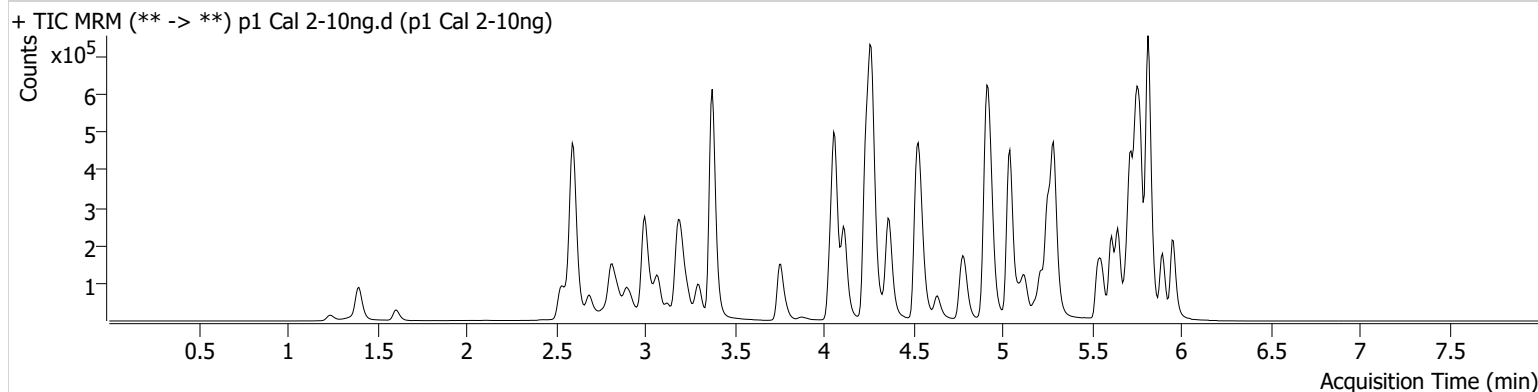
# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

**Instrument** Instrument 1  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-G12  
**Injection Volume** 2  
**Acq. Date-Time** 2/24/2021 12:53:24 PM  
**Sample Info.**

**Data File** p1 Cal 2-10ng.d  
**Sample** p1 Cal 2-10ng  
**Operator** Sarah Collins  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	2758	112.44	77.7	3536.83	72747	0.9607 ng/ml
7-aminoclonazepam	4.278	63833	14696.54	78.7	4354.59	237335	9.8932 ng/ml
a-hydroxyalprazolam	5.698	36303	95.81	58.3	992.73	419345	10.5225 ng/ml
alpha-PHP	4.937	30670	591.22	263.6	13836.92	526060	10.4980 ng/ml
alpha-PVP	4.376	115482	3402.76	52.8	187.55	526060	9.8084 ng/ml
Alprazolam	5.775	110366	466.55	116.7	1289.68	419345	9.8450 ng/ml
Amphetamine	3.076	149291	2730.30	49.5	604.23	167769	10.2182 ng/ml
Benzoylecgonine	3.906	4235	213.95	8.1	112.66	15386	9.8596 ng/ml
Buprenorphine	5.880	1576	66.90	15.5	900.34	53080	0.9706 ng/ml
Bupropion	4.794	101732	685.02	61.3	104.85	369469	9.8505 ng/ml
Carisoprodol	5.730	119597	∞	54.1	507.31	590817	9.9676 ng/ml
Citalopram	5.218	48156	805.75	41.4	∞	219806	9.9108 ng/ml
Clonazepam	5.611	134100	4964.20	32.9	213.76	160642	10.1014 ng/ml
Clonazepam	5.555	87537	1488.12	36.3	∞	160642	9.9373 ng/ml
Cocaine	4.264	101043	1700.69	52.3	300.12	969550	9.8188 ng/ml
Codeine	2.586	15021	4631.84	97.1	144.24	72622	10.5530 ng/ml
Cyclobenzaprine	5.614	21201	42138.43	9.2	176.14	86912	9.8189 ng/ml
Dextromethorphan	5.261	25250	450.43	80.2	237658.67	117595	10.0805 ng/ml
Dextrophan	4.118	35559	270.13	208.5	477.43	428734	9.9535 ng/ml
Diazepam	5.959	71261	3315.27	87.6	1522.95	326514	10.1850 ng/ml
Dihydrocodeine	2.565	35504	907.11	63.0	4601.21	209004	10.1949 ng/ml
Diphenhydramine	5.289	130116	4130.59	34.4	4544.69	798918	9.6017 ng/ml
Doxylamine	4.542	248899	10194.71	98.1	∞	1077885	10.0324 ng/ml
EDDP	5.254	90613	1724.57	42.8	649.30	470327	9.7808 ng/ml
Etizolam	5.819	64642	1421.18	25.4	∞	160642	9.7504 ng/ml
Fentanyl	5.109	2903	74.35	69.1	195.79	137448	0.9929 ng/ml
Flualprazolam	5.705	53030	∞	98.0	2922.74	419345	9.8519 ng/ml
Fluoxetine	5.707	22442	∞	8.7	3039.17	90140	10.0557 ng/ml
Hydrocodone	3.025	53448	∞	36.1	67.45	603878	10.4591 ng/ml
Hydromorphone	1.608	45463	1473.18	76.6	1708.96	8448	9.9611 ng/ml
Ketamine	4.058	98658	8970.29	37.9	1430.65	477282	9.8695 ng/ml
Lamotrigine	4.287	11259	∞	78.4	1743.90	477282	10.0399 ng/ml
Levetiracetam	2.690	51657	316.91	165.7	1397.55	1091162	10.2830 ng/ml

8C

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	121051	∞	59.9	∞	160642	10.4472 ng/ml
MDA	3.209	149051	3247.08	25.1	447.54	408614	10.3359 ng/ml
MDMA	3.303	90166	59813.91	80.2	2640.32	90489	9.9728 ng/ml
Meprobamate	4.931	71836	446.35	27.3	3054.39	319401	10.3168 ng/ml
Methadone	5.652	76456	5025.76	45.7	1462.06	346641	9.9651 ng/ml
Methamphetamine	3.244	73781	369.57	37.8	223.07	286837	9.8288 ng/ml
Metoprolol	4.333	23536	54141.08	90.8	1554.10	1075206	9.7197 ng/ml
Mirtazapine	4.637	97056	842.70	48.2	2223.99	526060	9.5168 ng/ml
Mitragynine	5.243	13147	7373.23	40.3	7783.47	346641	10.0958 ng/ml
Morphine	1.246	6933	3634.66	29.0	299.30	8448	9.8343 ng/ml
Norbuprenorphine	4.992	216	34.76	88.4	632.61	8921	0.9907 ng/ml
Nordiazepam	5.899	72197	229.32	61.0	3432.53	246775	9.9130 ng/ml
Norfentanyl	4.086	20514	391.95	33.8	112.10	904951	0.9770 ng/ml
Norhydrocodone	3.073	8949	156.50	44.4	205.91	84160	9.7206 ng/ml
Noroxycodone	2.916	57088	443.37	42.7	231.85	203710	10.0047 ng/ml
O-desmethyl-tramadol	3.383	218853	4638.49	6.8	157.69	1328874	9.8907 ng/ml
Oxazepam	5.756	147995	840.75	69.4	374.03	573497	10.1090 ng/ml
Oxycodone	2.841	108186	2161.35	26.8	740.83	465671	9.9882 ng/ml
Oxymorphone	1.398	57042	∞	42.1	447.31	206912	9.9950 ng/ml
Phentermine	3.790	35177	896.43	4.6	58.17	398687	10.1068 ng/ml
Promethazine	5.538	43333	3397.87	26.2	344.27	182994	9.9347 ng/ml
Pseudoephedrine	2.610	223427	1903.31	16.9	536.77	1091162	9.7302 ng/ml
Quetiapine	5.562	63978	156245.42	57.0	∞	84505	10.2737 ng/ml
Sertraline	5.775	10507	232.26	100.5	27535.79	50177	10.2118 ng/ml
Temazepam	5.823	240571	1366.67	29.1	333.68	1170568	9.8866 ng/ml
Tramadol	4.252	220648	65215.72	3.7	97.89	1075206	10.0359 ng/ml
Trazodone	5.183	59420	7811.92	80.1	646.79	244905	10.0896 ng/ml
Venlafaxine	5.043	176791	816.26	40.7	297.23	917977	9.7772 ng/ml
Zolpidem	4.934	256635	41058.37	31.4	4002.79	1216562	10.0591 ng/ml



8C

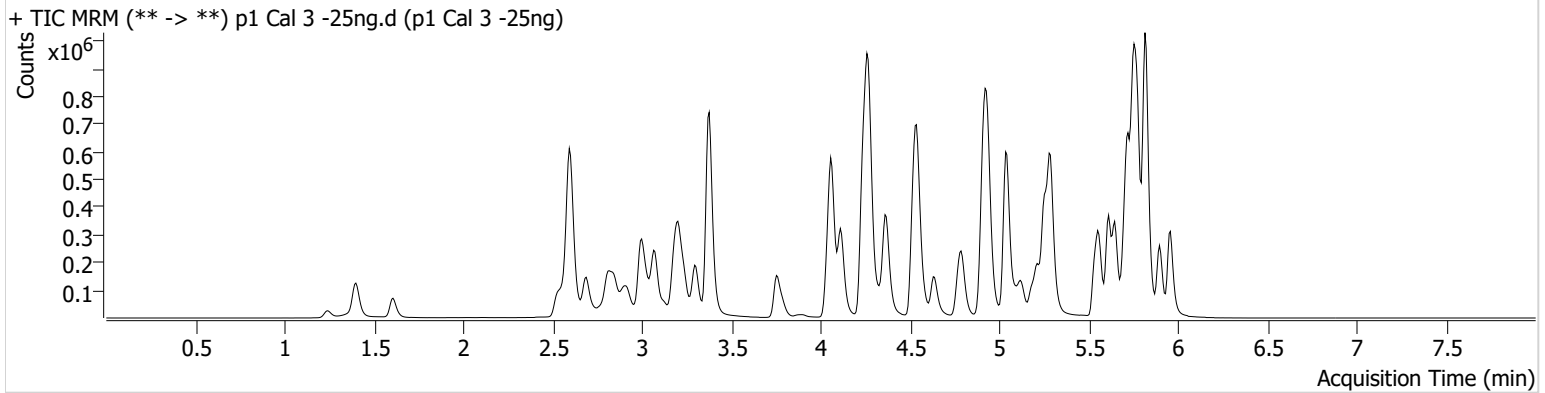


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

<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>	Sarah Collins
<b>Sample Position</b>	P2-F12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/24/2021 1:04:02 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	6959	21282.36	71.0	∞	72238	2.4727 ng/ml
7-aminoclonazepam	4.278	163077	6302.10	80.7	11370.87	250545	24.1041 ng/ml
a-hydroxyalprazolam	5.698	89016	1256.09	56.0	436.85	431249	26.2713 ng/ml
alpha-PHP	4.937	73197	1078.49	267.6	5191.53	525002	26.2414 ng/ml
alpha-PVP	4.369	288538	972.86	53.0	543.37	525002	24.3702 ng/ml
Alprazolam	5.775	276172	∞	114.5	2384.15	431249	23.9986 ng/ml
Amphetamine	3.076	369847	13367.88	50.0	2314.69	168621	26.8089 ng/ml
Benzoylecgonine	3.899	10729	143.25	8.1	∞	16385	23.7250 ng/ml
Buprenorphine	5.880	3301	439.71	16.3	2374.42	50260	2.1631 ng/ml
Bupropion	4.794	245456	1369.42	60.7	3572.61	365950	24.2651 ng/ml
Carisoprodol	5.723	295548	6662.94	54.9	279.44	597574	23.9060 ng/ml
Citalopram	5.212	118148	7780.10	43.1	77296.48	221490	24.0503 ng/ml
Clonazepam	5.611	331969	5560.58	33.3	341.12	165560	25.3009 ng/ml
Clonazepam	5.555	218428	5956.03	36.9	203482.89	165560	24.7674 ng/ml
Cocaine	4.264	250533	∞	53.2	21843.94	974255	24.0954 ng/ml
Codeine	2.586	35897	258.71	102.9	390.12	72994	26.3014 ng/ml
Cyclobenzaprine	5.614	58902	∞	9.4	∞	100779	23.5684 ng/ml
Dextromethorphan	5.261	61285	∞	77.7	576.65	118430	24.3184 ng/ml
Dextrophan	4.118	87832	642.42	205.0	1918.22	438399	23.9934 ng/ml
Diazepam	5.959	176537	2300.85	88.4	9136.67	343477	24.1423 ng/ml
Dihydrocodeine	2.559	88673	1856.60	62.5	779.65	210154	26.0661 ng/ml
Diphenhydramine	5.289	318475	46402.14	34.0	1375.76	780079	23.8664 ng/ml
Doxylamine	4.542	626295	46570.22	98.2	∞	1116846	24.6678 ng/ml
EDDP	5.254	219322	26967.65	42.6	881.63	459071	24.2121 ng/ml
Etizolam	5.819	158176	3845.68	25.7	1300.09	165560	22.8724 ng/ml
Fentanyl	5.109	7476	473.59	67.9	17926.56	136503	2.5714 ng/ml
Flualprazolam	5.705	133489	2183.60	95.8	1155.92	431249	24.7436 ng/ml
Fluoxetine	5.707	63290	∞	8.4	3351.43	102752	25.5288 ng/ml
Hydrocodone	3.025	130343	∞	37.2	125.01	619099	26.1115 ng/ml
Hydromorphone	1.608	112942	1280.92	74.7	511.00	8564	25.1827 ng/ml
Ketamine	4.058	244059	467.05	37.8	660.84	484405	24.8367 ng/ml
Lamotrigine	4.287	27932	3041.71	77.9	685.36	484405	25.5618 ng/ml
Levetiracetam	2.690	132908	1822.92	160.1	∞	1088184	25.0594 ng/ml

8C

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	290491	∞	56.8	637.07	165560	25.7724 ng/ml
MDA	3.209	358819	9844.63	24.8	460.85	403947	26.3992 ng/ml
MDMA	3.303	221836	∞	78.1	1804.11	90593	24.6657 ng/ml
Meprobamate	4.924	177065	51844.58	27.0	131.04	324857	26.5417 ng/ml
Methadone	5.652	186194	4025.19	46.3	15777.95	352603	23.7048 ng/ml
Methamphetamine	3.237	174195	1028.54	37.8	303.89	281063	25.7170 ng/ml
Metoprolol	4.326	60024	∞	90.5	1750.64	1093233	25.2499 ng/ml
Mirtazapine	4.637	237134	2867.65	48.0	17049.98	525002	22.9860 ng/ml
Mitragynine	5.236	32200	3122.24	40.8	11477.98	352603	25.3657 ng/ml
Morphine	1.246	16963	∞	27.8	1179.95	8564	24.2265 ng/ml
Norbuprenorphine	4.992	483	∞	97.3	168.97	8854	2.5082 ng/ml
Nordiazepam	5.899	179663	1101.99	58.5	707.12	251644	24.3509 ng/ml
Norfentanyl	4.086	49290	10668.10	33.6	197.78	888520	2.3129 ng/ml
Norhydrocodone	3.073	21408	163.38	40.3	168.29	80300	23.8724 ng/ml
Noroxycodone	2.916	140207	459.17	42.1	1754.27	200474	25.3475 ng/ml
O-desmethyl-tramadol	3.376	545341	2237.70	6.8	6225.03	1346326	24.2774 ng/ml
Oxazepam	5.756	365880	5568.12	70.1	743.97	580880	25.3218 ng/ml
Oxycodone	2.841	265704	3955.16	27.2	4044.60	466986	25.0588 ng/ml
Oxymorphone	1.398	140730	∞	42.2	∞	211254	24.7388 ng/ml
Phentermine	3.789	85999	1710.00	4.6	36.03	396203	26.1560 ng/ml
Promethazine	5.538	119739	2071.19	28.2	650.07	207672	24.4268 ng/ml
Pseudoephedrine	2.603	541039	1926.50	17.1	2724.73	1088184	23.2376 ng/ml
Quetiapine	5.562	156172	4378.77	58.3	7867.37	87585	24.3407 ng/ml
Sertraline	5.775	29979	754.75	100.8	∞	59126	24.7117 ng/ml
Temazepam	5.823	595551	653.56	29.0	269.98	1198098	23.5691 ng/ml
Tramadol	4.245	550035	∞	3.6	357.42	1093233	25.3138 ng/ml
Trazodone	5.183	148244	17154.69	80.0	10756.24	257397	24.4593 ng/ml
Venlafaxine	5.043	440866	627.28	39.0	475.15	932806	23.8000 ng/ml
Zolpidem	4.934	645108	57001.49	31.0	17777.83	1255461	25.4837 ng/ml

8C

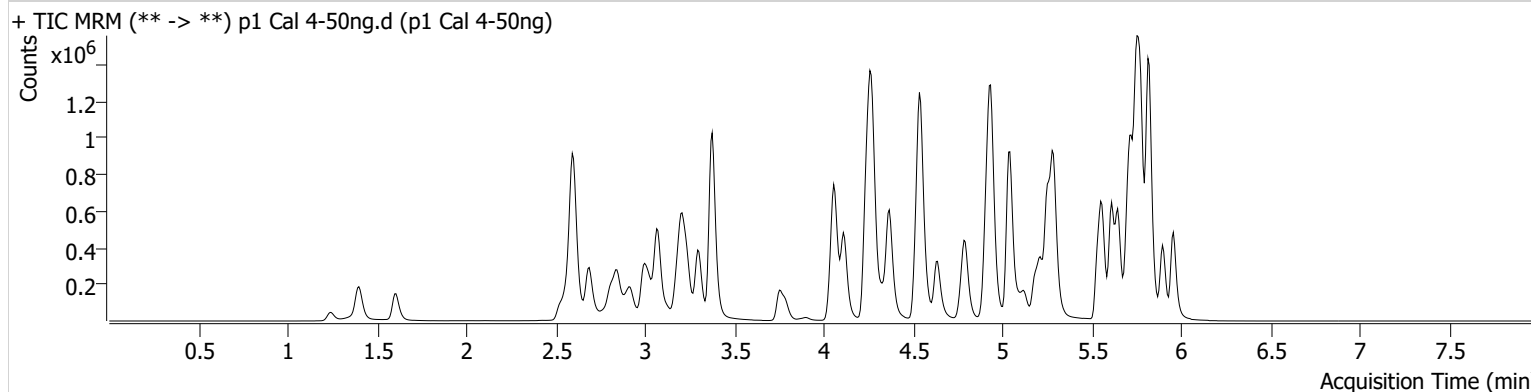


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

<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>	Sarah Collins
<b>Sample Position</b>	P2-E12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/24/2021 1:14:38 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	15203	358.89	70.0	34941.40	72275	5.4237 ng/ml
7-aminoclonazepam	4.278	330269	6908.17	80.6	∞	227697	53.8555 ng/ml
a-hydroxyalprazolam	5.698	174178	1868.68	58.9	397.50	412276	54.6644 ng/ml
alpha-PHP	4.937	165273	6634.82	267.1	4227.58	558309	56.6328 ng/ml
alpha-PVP	4.369	660450	13540.87	52.9	13102.86	558309	52.3118 ng/ml
Alprazolam	5.775	575300	8178.75	115.6	1351.44	412276	52.3282 ng/ml
Amphetamine	3.076	840408	14456.06	50.0	∞	181070	57.9661 ng/ml
Benzoylecgonine	3.899	23274	161.25	7.9	∞	16561	51.1405 ng/ml
Buprenorphine	5.880	8736	371.73	14.2	3123.67	56103	5.1464 ng/ml
Bupropion	4.794	573079	14773.96	61.5	8005.04	398451	52.2466 ng/ml
Carisoprodol	5.730	596324	∞	53.8	5223.42	554075	51.6571 ng/ml
Citalopram	5.212	278799	17547.26	43.4	293649.94	239532	52.4113 ng/ml
Clonazepam	5.611	670104	∞	33.2	∞	155869	55.0933 ng/ml
Clonazepam	5.555	453593	1990.09	36.8	672.46	155869	55.2307 ng/ml
Cocaine	4.264	549637	44610.71	51.7	9149.21	984745	52.1936 ng/ml
Codeine	2.580	73628	4269.18	103.1	8392.42	72738	55.0669 ng/ml
Cyclobenzaprine	5.614	182663	1232.91	9.0	∞	140571	52.4365 ng/ml
Dextromethorphan	5.261	150975	20238.37	79.3	287.01	134256	52.8668 ng/ml
Dextrophan	4.118	196889	21546.12	208.9	5334.65	453609	51.9402 ng/ml
Diazepam	5.959	376003	10340.30	87.7	4029.43	333194	53.1452 ng/ml
Dihydrocodeine	2.559	191244	618.55	62.9	1159.61	214521	55.6302 ng/ml
Diphenhydramine	5.289	751754	496.72	33.2	592.53	845578	51.8140 ng/ml
Doxylamine	4.542	1394710	99842.44	99.1	∞	1159143	53.1727 ng/ml
EDDP	5.254	518365	969.30	42.4	437.43	513925	51.0858 ng/ml
Etizolam	5.813	324776	2076.57	25.5	1054.32	155869	49.6440 ng/ml
Fentanyl	5.109	20702	696.48	68.0	∞	181757	5.3455 ng/ml
Flualprazolam	5.705	279683	7252.52	94.7	976.03	412276	54.7452 ng/ml
Fluoxetine	5.707	196458	49689.01	9.0	16817.46	153243	53.6113 ng/ml
Hydrocodone	3.025	282189	1010.57	37.6	246.23	640299	55.6358 ng/ml
Hydromorphone	1.608	245736	1418.30	75.4	870.61	8676	54.6925 ng/ml
Ketamine	4.058	526607	14413.98	37.9	390.19	485016	54.1500 ng/ml
Lamotrigine	4.287	58345	1755.37	80.2	6331.79	485016	54.0925 ng/ml
Levetiracetam	2.690	277849	1448.71	162.2	9311.58	1121460	49.8758 ng/ml

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# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	550239	∞	58.6	1652.30	155869	52.9539 ng/ml
MDA	3.209	787122	12655.52	25.4	418.39	412366	57.7121 ng/ml
MDMA	3.303	494292	67886.39	81.4	7321.97	95975	51.9969 ng/ml
Meprobamate	4.924	348057	21393.95	27.3	7207.74	307262	56.3268 ng/ml
Methadone	5.646	480997	18216.62	45.9	1822.52	410708	52.4400 ng/ml
Methamphetamine	3.237	435838	2676.14	38.7	697.91	331923	56.0997 ng/ml
Metoprolol	4.326	137516	205395.59	89.9	12842.20	1144552	55.9396 ng/ml
Mirtazapine	4.637	540714	39061.57	47.7	6038.67	558309	49.0388 ng/ml
Mitragynine	5.236	82754	6968.77	39.7	46968.23	410708	56.8732 ng/ml
Morphine	1.246	37203	1008.72	27.2	766.24	8676	52.8491 ng/ml
Norbuprenorphine	4.992	1046	137.06	89.8	397.64	9343	5.3897 ng/ml
Nordiazepam	5.899	387571	9384.31	57.1	12870.89	244855	54.1213 ng/ml
Norfentanyl	4.086	111934	225.04	34.6	435.36	924237	4.9858 ng/ml
Norhydrocodone	3.066	43561	173.91	40.8	119.04	78586	49.2777 ng/ml
Noroxycodone	2.916	302527	1956.78	42.7	748.02	201020	54.8364 ng/ml
O-desmethyl-tramadol	3.376	1196392	217529.54	6.9	∞	1373179	52.1807 ng/ml
Oxazepam	5.756	711670	15259.69	75.1	∞	532886	54.1925 ng/ml
Oxycodone	2.841	580834	7097.89	27.4	7083.04	479433	53.8221 ng/ml
Oxymorphone	1.398	286834	635.31	42.7	∞	203185	52.8884 ng/ml
Phentermine	3.789	199694	3080.44	4.6	93.64	427597	57.2959 ng/ml
Promethazine	5.538	358700	4439.37	28.3	502.05	294777	51.7358 ng/ml
Pseudoephedrine	2.603	1247372	1169.57	16.4	815.20	1121460	51.6477 ng/ml
Quetiapine	5.562	368084	269.26	60.0	∞	97638	51.5812 ng/ml
Sertraline	5.775	99455	3312.36	101.6	310.20	91504	52.9617 ng/ml
Temazepam	5.823	1194702	21228.53	29.8	693.08	1117371	50.4178 ng/ml
Tramadol	4.245	1203237	∞	3.7	581.63	1144552	53.4246 ng/ml
Trazodone	5.183	349525	232886.96	80.8	24254.10	281580	53.1444 ng/ml
Venlafaxine	5.043	1017273	4731.45	39.7	848.37	1000805	51.0324 ng/ml
Zolpidem	4.934	1359179	3883.96	31.2	50801.18	1234956	55.3635 ng/ml

8C

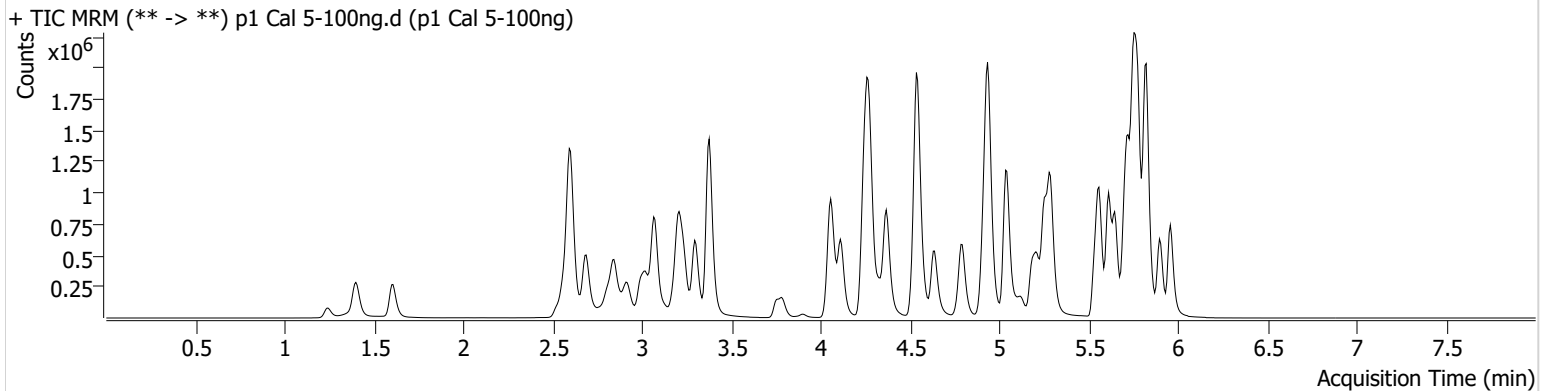


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

<b>Instrument</b>	Instrument 1	<b>Data File</b>	p1 Cal 5-100ng.d
<b>Type</b>	Cal	<b>Sample</b>	p1 Cal 5-100ng
<b>Acq. Method</b>	AM 28 MDQ P1.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P2-D12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/24/2021 1:25:15 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	27111	∞	73.2	∞	72836	9.6131 ng/ml
7-aminoclonazepam	4.278	598462	10798.91	81.7	19839.13	222830	99.8174 ng/ml
a-hydroxyalprazolam	5.698	302550	753.61	55.9	812.17	377439	104.4828 ng/ml
alpha-PHP	4.937	239406	5203.91	267.1	30704.26	486433	94.6983 ng/ml
alpha-PVP	4.369	1105751	12049.71	52.8	2496.07	486433	100.4097 ng/ml
Alprazolam	5.775	1031942	4705.30	114.8	1641.57	377439	102.5558 ng/ml
Amphetamine	3.069	1385211	12378.65	49.7	6907.56	160723	108.5875 ng/ml
Benzoylecgonine	3.899	41877	1996.94	8.7	259.07	16178	94.3573 ng/ml
Buprenorphine	5.880	12548	569.62	13.4	3517.66	43217	9.6081 ng/ml
Bupropion	4.794	863674	529.17	60.3	693.04	308391	101.9122 ng/ml
Carisoprodol	5.730	1010956	46101.76	53.1	8078.88	491392	98.4638 ng/ml
Citalopram	5.212	447268	1370.89	44.4	683.92	204847	98.2699 ng/ml
Clonazepam	5.611	1204178	1505.37	32.6	2968.44	146730	105.8421 ng/ml
Clonazepam	5.555	799983	2728.69	38.0	1842.70	146730	103.9104 ng/ml
Cocaine	4.264	967038	∞	52.2	25560.29	903879	99.9627 ng/ml
Codeine	2.580	134888	4465.71	100.9	15795.37	69288	106.7181 ng/ml
Cyclobenzaprine	5.614	286786	745.04	9.0	∞	115190	100.4948 ng/ml
Dextromethorphan	5.261	229957	6256.55	78.6	457.09	108115	100.0090 ng/ml
Dextrophan	4.111	320611	19314.47	209.5	1893.50	385325	99.5342 ng/ml
Diazepam	5.959	680375	728.74	88.4	892.34	317096	101.1522 ng/ml
Dihydrocodeine	2.559	349666	15033.60	63.9	77495.83	210815	103.9320 ng/ml
Diphenhydramine	5.289	1198092	19810.93	33.0	258.54	688559	101.2797 ng/ml
Doxylamine	4.542	2415345	∞	98.1	88004.00	1043033	102.5316 ng/ml
EDDP	5.254	814408	2287.22	43.1	281.76	408295	100.9979 ng/ml
Etizolam	5.819	607374	3774.98	25.1	5909.81	146730	98.4241 ng/ml
Fentanyl	5.109	33097	157.14	71.0	37153.37	153995	10.0846 ng/ml
Flualprazolam	5.705	492639	7353.25	97.3	6787.78	377439	105.7306 ng/ml
Fluoxetine	5.707	278621	2436.68	8.7	24503.93	111734	104.6957 ng/ml
Hydrocodone	3.025	506376	1372.08	38.5	333.63	619676	103.9218 ng/ml
Hydromorphone	1.608	438249	882.79	76.0	1671.75	7999	106.2958 ng/ml
Ketamine	4.058	967353	22959.18	37.6	473.72	469639	103.2150 ng/ml
Lamotrigine	4.287	107588	10384.61	80.1	22515.23	469639	103.6501 ng/ml
Levetiracetam	2.690	498459	17270.16	161.6	10925.89	1093562	90.9781 ng/ml

8C

# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	867752	2127.47	60.3	3889.31	146730	89.4476 ng/ml
MDA	3.209	1245055	25731.79	25.1	627.80	353892	107.0936 ng/ml
MDMA	3.296	839532	∞	79.0	4257.05	83912	101.1128 ng/ml
Meprobamate	4.924	595625	17847.03	27.7	30642.44	293783	101.6677 ng/ml
Methadone	5.646	777041	50426.79	45.1	10399.63	342731	101.4159 ng/ml
Methamphetamine	3.237	648420	1161.96	38.4	583.74	267744	104.6879 ng/ml
Metoprolol	4.326	228334	727852.26	90.2	2554.62	1084132	98.4935 ng/ml
Mirtazapine	4.637	895811	62757.90	48.2	4696.28	486433	93.0533 ng/ml
Mitragynine	5.236	138336	13036.38	41.0	2474.42	342731	114.6819 ng/ml
Morphine	1.239	66692	3653.60	29.2	2680.92	7999	103.0883 ng/ml
Norbuprenorphine	4.985	1490	90.41	107.4	∞	7982	9.1317 ng/ml
Nordiazepam	5.899	682389	1059.62	60.3	1128.44	230008	101.5380 ng/ml
Norfentanyl	4.086	203644	1695.52	34.0	109.25	855176	9.7513 ng/ml
Norhydrocodone	3.066	74236	309.55	41.3	175.49	69867	94.1532 ng/ml
Noroxycodone	2.916	535691	2208.67	41.8	670.45	189455	103.2500 ng/ml
O-desmethyl-tramadol	3.376	2225663	89577.30	6.9	3599.45	1335139	99.8075 ng/ml
Oxazepam	5.756	1188589	16906.76	73.3	∞	463592	104.4511 ng/ml
Oxycodone	2.841	1103231	2239.82	27.1	2629.64	474809	103.6029 ng/ml
Oxymorphone	1.398	539895	∞	40.8	∞	192379	105.5505 ng/ml
Phentermine	3.790	311945	12450.12	4.6	1195.91	358562	107.4988 ng/ml
Promethazine	5.538	571766	13147.28	27.9	524.28	243043	100.1744 ng/ml
Pseudoephedrine	2.603	2311728	10587.18	16.6	6721.96	1093562	97.9142 ng/ml
Quetiapine	5.562	652479	21368.08	58.3	22135.45	86623	103.1678 ng/ml
Sertraline	5.775	137845	447.38	101.5	2150.41	66522	100.9626 ng/ml
Temazepam	5.823	2096816	34202.38	29.0	3331.02	1001216	98.5218 ng/ml
Tramadol	4.245	2145676	110882.23	3.7	3486.32	1084132	101.0099 ng/ml
Trazodone	5.183	648460	448.81	79.7	18177.90	264727	105.2345 ng/ml
Venlafaxine	5.043	1601466	3786.62	40.0	4916.60	807587	99.4334 ng/ml
Zolpidem	4.941	2571028	254713.30	30.9	36788.68	1241578	104.7695 ng/ml

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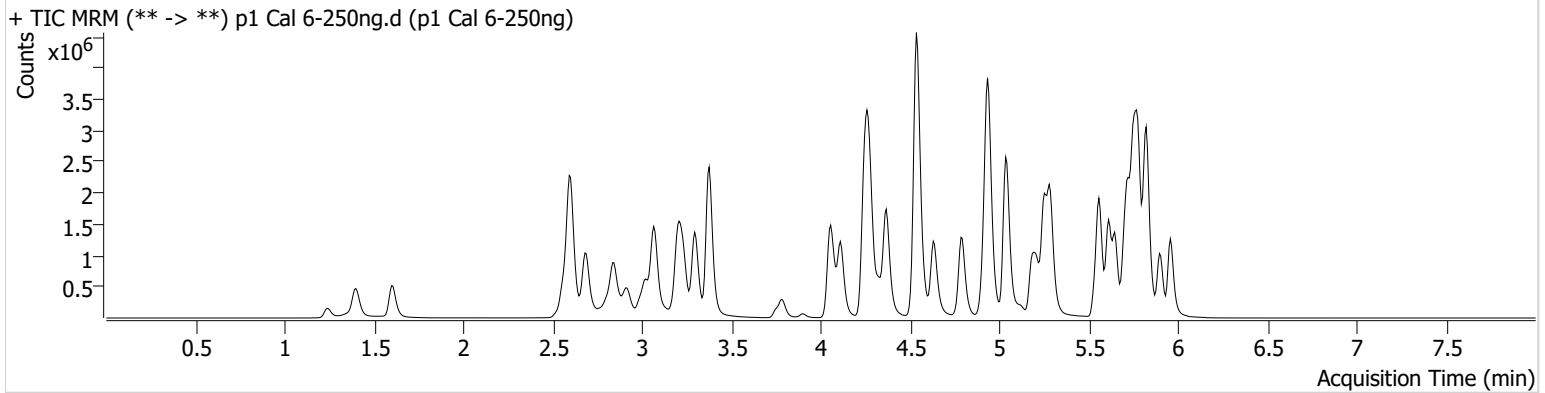


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

<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>	Sarah Collins
<b>Sample Position</b>	P2-C12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/24/2021 1:35:50 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	61895	6975.82	72.1	7151.16	64598	24.7775 ng/ml
7-aminoclonazepam	4.278	1068164	52418.82	82.3	868.86	162419	244.5899 ng/ml
a-hydroxyalprazolam	5.691	484106	3791.99	59.9	1237.43	315668	200.6756 ng/ml
alpha-PHP	4.937	581766	33190.06	264.5	58146.10	461848	243.6442 ng/ml
alpha-PVP	4.369	2553700	2635.77	53.2	3817.22	461848	244.0602 ng/ml
Alprazolam	5.775	2076197	6564.76	113.9	4967.30	315668	246.7540 ng/ml
Amphetamine	3.069	2612434	∞	50.1	26275.12	137690	240.3784 ng/ml
Benzoylcegonine	3.899	102317	207.02	7.9	373.51	14866	251.2131 ng/ml
Buprenorphine	5.880	24255	968.11	14.6	5128.17	31663	25.3703 ng/ml
Bupropion	4.794	2029085	75740.67	60.5	769.56	300372	246.0854 ng/ml
Carisoprodol	5.730	1811271	∞	55.4	9966.48	361084	239.6291 ng/ml
Citalopram	5.212	919812	841.22	43.3	739.21	168030	246.2889 ng/ml
Clonazepam	5.611	2258625	117799.71	33.0	∞	116473	251.1038 ng/ml
Clonazepam	5.555	1590805	2449.95	37.1	3920.13	116473	261.0585 ng/ml
Cocaine	4.264	2088697	128260.32	52.1	75440.71	789289	247.1217 ng/ml
Codeine	2.580	253454	5813.52	101.3	12141.81	58789	237.4010 ng/ml
Cyclobenzaprine	5.614	341552	20237.10	8.9	333.78	55497	248.4670 ng/ml
Dextromethorphan	5.261	431361	6762.93	78.0	5143.35	83646	242.5059 ng/ml
Dextrophan	4.111	777734	2840.89	208.3	2141.59	379770	244.9297 ng/ml
Diazepam	5.960	1354522	22983.83	87.3	14275.02	259684	246.0651 ng/ml
Dihydrocodeine	2.559	731423	365.96	63.6	2952.39	191013	240.5948 ng/ml
Diphenhydramine	5.289	2523330	67278.51	33.5	10438.99	604571	242.7525 ng/ml
Doxylamine	4.536	6046833	87297.23	97.3	179038.37	1058293	253.2995 ng/ml
EDDP	5.254	2223508	94972.75	42.7	568.65	455699	247.0206 ng/ml
Etizolam	5.819	1174434	32859.01	25.8	∞	116473	239.4648 ng/ml
Fentanyl	5.109	50208	644.91	72.5	∞	99874	23.5854 ng/ml
Flualprazolam	5.705	970062	10359.56	97.7	9543.56	315668	249.5240 ng/ml
Fluoxetine	5.707	232213	919.74	8.8	171.83	40227	242.9471 ng/ml
Hydrocodone	3.018	1075605	∞	36.6	619.09	556078	247.2106 ng/ml
Hydromorphone	1.601	878612	2700.66	74.5	1558.79	7030	243.1628 ng/ml
Ketamine	4.058	2079602	77648.77	37.8	795.36	417075	250.6269 ng/ml
Lamotrigine	4.287	199572	9451.75	80.3	7081.30	417075	217.2665 ng/ml
Levetiracetam	2.683	1073510	37446.20	161.7	164209.08	883398	240.9993 ng/ml

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# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	1235911	2376.26	58.7	1972.21	116473	161.3570 ng/ml
MDA	3.203	2526212	120288.61	25.5	633.92	313951	246.0389 ng/ml
MDMA	3.296	1948338	25601.85	80.5	9114.27	79840	246.7791 ng/ml
Meprobamate	4.924	1007168	∞	27.7	∞	253488	200.2802 ng/ml
Methadone	5.646	1420058	64760.22	45.3	25250.45	263690	240.7441 ng/ml
Methamphetamine	3.237	1307232	2332.78	38.4	1439.52	235831	241.4745 ng/ml
Metoprolol	4.326	525612	∞	90.2	7884.68	928696	265.6469 ng/ml
Mirtazapine	4.630	2043480	212701.11	48.2	7740.79	461848	223.2651 ng/ml
Mitragynine	5.236	216999	10507.80	39.4	12987.55	263690	234.5969 ng/ml
Morphine	1.239	140228	1751.47	28.1	586.48	7030	247.1205 ng/ml
Norbuprenorphine	4.985	3361	141.65	97.5	856.79	6465	25.8419 ng/ml
Nordiazepam	5.899	1299754	31324.89	57.9	552.56	180951	245.9902 ng/ml
Norfentanyl	4.086	462808	69175.65	34.0	560.91	751284	25.1401 ng/ml
Norhydrocodone	3.066	145224	∞	41.4	137.73	53588	239.6278 ng/ml
Noroxycodone	2.916	1004843	1421.16	43.0	326.51	150497	244.1573 ng/ml
O-desmethyl-tramadol	3.376	4812934	159560.28	6.8	16033.87	1146116	251.3759 ng/ml
Oxazepam	5.756	1854535	46343.24	73.4	∞	301071	251.5783 ng/ml
Oxycodone	2.841	2315577	3720.55	27.1	9782.93	418295	247.4018 ng/ml
Oxymorphone	1.398	1041347	∞	43.8	∞	157902	248.5974 ng/ml
Phentermine	3.789	681625	3287.29	4.7	933.48	342434	247.0979 ng/ml
Promethazine	5.538	687141	∞	28.0	1010.44	120776	242.4963 ng/ml
Pseudoephedrine	2.603	4718934	∞	16.6	∞	883398	247.0068 ng/ml
Quetiapine	5.562	1365648	104158.11	59.3	∞	75882	246.6436 ng/ml
Sertraline	5.775	117090	5350.40	100.3	6899.68	23647	241.2415 ng/ml
Temazepam	5.823	3738259	65978.25	28.5	14443.95	720132	243.8480 ng/ml
Tramadol	4.245	4635114	∞	3.7	1419.79	928696	255.4664 ng/ml
Trazodone	5.183	1385423	915.53	82.6	73558.24	239605	248.9083 ng/ml
Venlafaxine	5.036	4195620	5614.06	39.1	1027.81	846899	248.2100 ng/ml
Zolpidem	4.934	5437982	345278.56	30.6	4686.66	1090350	253.2957 ng/ml



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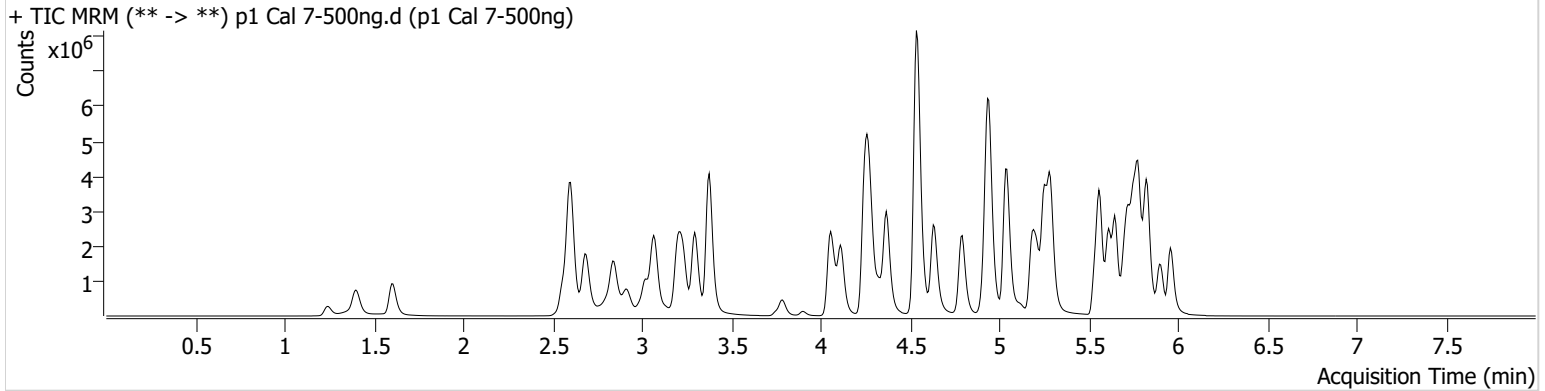
# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

**Instrument** Instrument 1  
**Type** Cal  
**Acq. Method** AM 28 MDQ P1.m  
**Sample Position** P2-B12  
**Injection Volume** 2  
**Acq. Date-Time** 2/24/2021 1:46:27 PM  
**Sample Info.**

**Data File** p1 Cal 7-500ng.d  
**Sample** p1 Cal 7-500ng  
**Operator** Sarah Collins  
**Comment**

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	128248	2262.76	72.8	505.06	65962	50.2996 ng/ml
7-aminoclonazepam	4.278	1597868	21367.98	79.2	14954.83	119203	498.6473 ng/ml
a-hydroxyalprazolam	5.691	619850	726.05	59.6	337.63	253656	320.2681 ng/ml
alpha-PHP	4.937	955228	123546.80	264.8	114346.06	415746	445.0843 ng/ml
alpha-PVP	4.369	4643725	130349.88	53.1	912.07	415746	492.8934 ng/ml
Alprazolam	5.775	3411774	3522.68	112.3	∞	253656	504.6480 ng/ml
Amphetamine	3.069	4339232	66486.91	49.8	33291.37	120186	458.4158 ng/ml
Benzoylecgonine	3.899	211340	16079.80	7.9	39609.10	15127	510.1392 ng/ml
Buprenorphine	5.880	50745	628.83	14.3	17284.01	30018	56.0032 ng/ml
Bupropion	4.794	3754065	∞	60.4	2058.98	277834	492.4096 ng/ml
Carisoprodol	5.730	2574447	∞	53.8	19595.51	244072	503.5428 ng/ml
Citalopram	5.212	1941870	936.23	43.1	15568.48	176844	493.9832 ng/ml
Clonazepam	5.611	3397178	49738.50	32.7	72154.60	93176	472.7671 ng/ml
Clonazepam	5.555	2350829	26059.41	37.7	40706.08	93176	482.6620 ng/ml
Cocaine	4.264	3746659	109399.47	51.9	48581.46	699520	500.0749 ng/ml
Codeine	2.580	391614	29918.76	101.0	∞	52468	411.6487 ng/ml
Cyclobenzaprine	5.614	1016044	2457.03	8.9	811.78	82672	496.2073 ng/ml
Dextromethorphan	5.261	915588	44774.30	79.2	101072.52	85458	503.8375 ng/ml
Dextrophan	4.111	1423030	21721.28	206.6	2667.35	339791	500.8408 ng/ml
Diazepam	5.959	2315965	8646.88	87.9	∞	218230	500.7610 ng/ml
Dihydrocodeine	2.552	1314538	538.30	63.8	284.00	193870	426.4182 ng/ml
Diphenhydramine	5.289	5427266	102636.15	33.4	24264.97	622575	506.8755 ng/ml
Doxylamine	4.536	11456960	150054.79	97.1	169152.01	1013922	501.1386 ng/ml
EDDP	5.254	4430138	75892.85	41.8	53016.07	445840	503.0205 ng/ml
Etizolam	5.819	2044311	13649.54	25.2	1478.09	93176	520.8144 ng/ml
Fentanyl	5.109	134648	639.01	73.3	∞	127089	49.7048 ng/ml
Flualprazolam	5.705	1507210	5413.69	101.8	20774.29	253656	482.8770 ng/ml
Fluoxetine	5.707	609029	12434.67	9.0	1956.12	52628	487.4833 ng/ml
Hydrocodone	3.018	2027037	7356.37	38.5	∞	538096	482.2977 ng/ml
Hydromorphone	1.601	1642021	3354.40	76.6	7556.33	6674	479.1919 ng/ml
Ketamine	4.058	3963858	42523.06	38.3	6628.17	406919	490.1523 ng/ml
Lamotrigine	4.287	325502	8058.21	81.6	3266.87	406919	363.6792 ng/ml
Levetiracetam	2.683	1865613	38677.99	164.2	2815.84	812308	454.6494 ng/ml

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# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	1339764	∞	57.8	∞	93176	219.0368 ng/ml
MDA	3.203	4104540	1283.27	25.3	2022.23	273005	460.4598 ng/ml
MDMA	3.296	3551374	6520.13	79.3	35320.51	73092	491.4594 ng/ml
Meprobamate	4.917	1351368	75031.55	27.3	16326.08	213566	319.6000 ng/ml
Methadone	5.646	3393157	171285.59	45.0	1310.41	300010	505.4852 ng/ml
Methamphetamine	3.237	2344757	1903.12	38.4	1865.91	212954	481.0806 ng/ml
Metoprolol	4.326	902422	∞	91.0	10712.98	871051	486.7508 ng/ml
Mirtazapine	4.630	4482153	159183.59	47.6	144587.10	415746	543.7008 ng/ml
Mitragynine	5.236	501121	54036.97	38.7	308731.77	300010	476.9479 ng/ml
Morphine	1.239	266248	3645.69	28.2	∞	6674	494.5709 ng/ml
Norbuprenorphine	4.992	6639	101.77	102.9	105.88	6652	49.8199 ng/ml
Nordiazepam	5.906	2053050	11686.29	58.3	2307.37	142814	492.4290 ng/ml
Norfentanyl	4.086	898875	3321.75	34.1	11199.74	670463	54.6502 ng/ml
Norhydrocodone	3.066	265192	1816.65	42.2	∞	45783	511.7993 ng/ml
Noroxycodone	2.909	1637842	1076.78	42.8	369.46	123067	486.9164 ng/ml
O-desmethyl-tramadol	3.376	9158173	104027.00	6.8	557.38	1083387	505.9861 ng/ml
Oxazepam	5.756	2074427	31837.98	75.8	172.41	175640	482.7823 ng/ml
Oxycodone	2.834	4525655	7255.76	26.8	3559.67	414506	488.3520 ng/ml
Oxymorphone	1.398	1862536	∞	42.6	∞	148595	472.8577 ng/ml
Phentermine	3.790	1164688	∞	4.4	∞	311730	464.5769 ng/ml
Promethazine	5.531	2038714	63275.53	28.1	430.11	174475	498.2151 ng/ml
Pseudoephedrine	2.603	8951565	∞	16.4	∞	812308	509.2757 ng/ml
Quetiapine	5.562	3161977	177033.02	57.8	65050.89	87011	498.1370 ng/ml
Sertraline	5.775	318646	1359.14	100.1	1302.47	32092	483.7452 ng/ml
Temazepam	5.830	5143340	159346.45	28.1	699.43	479459	503.6553 ng/ml
Tramadol	4.245	8432209	∞	3.6	13752.82	871051	495.9599 ng/ml
Trazodone	5.183	3407008	1218308.44	81.2	202900.54	301579	486.6761 ng/ml
Venlafaxine	5.036	7617942	2388.90	38.6	24716.01	746479	511.1573 ng/ml
Zolpidem	4.941	10221094	19050.63	30.5	23249.87	1068601	486.4049 ng/ml

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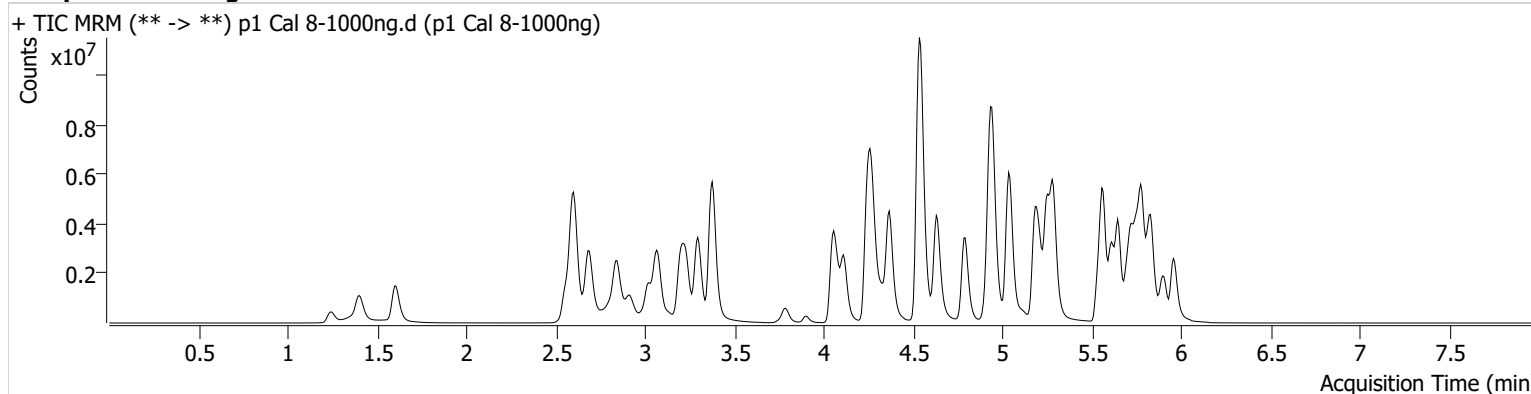


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\022421 AM 28 SAEC\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 3/2/2021 7:52:42 AM

<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>	Sarah Collins
<b>Sample Position</b>	P2-A12	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	2/24/2021 1:57:03 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	238516	24077.96	72.0	8550.16	62241	99.1594 ng/ml
7-aminoclonazepam	4.284	1989860	33953.61	82.1	9341.40	74765	990.1815 ng/ml
a-hydroxyalprazolam	5.692	751826	228.11	58.1	227.75	192468	512.4643 ng/ml
alpha-PHP	4.937	1143322	4708.30	265.7	28390.20	320241	692.0520 ng/ml
alpha-PVP	4.369	7415464	13777.64	52.4	1712.82	320241	1021.6906 ng/ml
Alprazolam	5.781	5011805	∞	114.1	745.61	192468	977.0138 ng/ml
Amphetamine	3.069	5580700	29614.16	48.3	66939.83	85938	825.4164 ng/ml
Benzoylecgonine	3.899	462695	5470.43	7.8	∞	15997	1056.3446 ng/ml
Buprenorphine	5.880	68292	1078.31	14.0	∞	16300	138.8213 ng/ml
Bupropion	4.794	5779645	125313.04	60.0	65847.77	210084	1002.7737 ng/ml
Carisoprodol	5.730	3376384	∞	54.6	∞	152687	1055.3087 ng/ml
Citalopram	5.212	2830838	94734.90	42.9	30256.59	123094	1034.5162 ng/ml
Clonazepam	5.611	4669102	∞	32.8	35392.66	68294	887.1510 ng/ml
Clonazepam	5.555	3103000	21362.46	38.4	27596.05	68294	869.6028 ng/ml
Cocaine	4.264	5837521	113144.54	50.7	85135.89	539550	1010.0624 ng/ml
Codeine	2.580	586636	∞	97.8	∞	44515	727.4924 ng/ml
Cyclobenzaprine	5.614	1349598	567.90	8.8	3061.14	53426	1019.9292 ng/ml
Dextromethorphan	5.261	1234184	13735.53	79.7	42954.39	58756	987.8152 ng/ml
Dextrophan	4.111	1944677	31125.71	209.3	36456.82	227471	1022.3589 ng/ml
Diazepam	5.960	3465112	∞	87.4	∞	169564	964.3757 ng/ml
Dihydrocodeine	2.552	2163750	522.37	64.7	739.09	188229	723.2741 ng/ml
Diphenhydramine	5.289	7988904	616.38	33.5	∞	452547	1026.3067 ng/ml
Doxylamine	4.536	17609194	∞	97.2	∞	856278	912.2226 ng/ml
EDDP	5.254	6484813	281287.11	42.2	86625.21	324087	1012.9101 ng/ml
Etizolam	5.819	3172699	11991.58	24.9	1254.71	68294	1102.5393 ng/ml
Fentanyl	5.109	198217	2997.15	72.4	474937.47	95707	97.1617 ng/ml
Flualprazolam	5.705	2156868	8414.06	103.1	26466.69	192468	911.0779 ng/ml
Fluoxetine	5.707	526905	20872.91	9.1	1482.85	24065	922.7267 ng/ml
Hydrocodone	3.018	3272165	481.98	38.7	392.00	494422	848.0029 ng/ml
Hydromorphone	1.601	2822730	∞	75.3	1499.97	5983	919.4207 ng/ml
Ketamine	4.058	7026480	7177.20	37.7	2688.31	383180	923.1691 ng/ml
Lamotrigine	4.287	459887	25753.49	80.9	51868.38	383180	546.0115 ng/ml
Levetiracetam	2.690	3181002	237913.39	163.2	1142.24	591959	1062.5240 ng/ml

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# AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.746	1379275	4554.85	57.6	2389.61	68294	308.0909 ng/ml
MDA	3.203	5426350	22798.70	24.8	7290.68	201568	825.1650 ng/ml
MDMA	3.296	5382999	129672.35	78.1	6306.64	54725	995.0497 ng/ml
Meprobamate	4.917	1684071	95254.74	27.6	16733.50	190284	447.4461 ng/ml
Methadone	5.646	5084287	28337.97	44.6	2985.65	224669	1011.3005 ng/ml
Methamphetamine	3.237	3554536	45689.19	38.5	12476.73	172483	901.6764 ng/ml
Metoprolol	4.326	1304888	13090.32	89.8	∞	698869	877.7020 ng/ml
Mirtazapine	4.630	7565371	210187.64	47.3	183936.31	320241	1191.1344 ng/ml
Mitragynine	5.236	649064	23082.73	40.0	14319.03	224669	825.4618 ng/ml
Morphine	1.246	470030	19719.91	29.0	3386.41	5983	974.3216 ng/ml
Norbuprenorphine	4.985	9324	174.16	101.1	2960.15	4736	98.4900 ng/ml
Nordiazepam	5.906	2845639	26850.41	58.3	620.29	100827	966.8709 ng/ml
Norfentanyl	4.086	1467272	49956.10	34.3	5134.23	472832	126.4236 ng/ml
Norhydrocodone	3.066	450759	193.40	41.5	169.30	35030	1136.5775 ng/ml
Noroxycodone	2.909	2322275	3029.29	42.7	736.83	92463	919.1212 ng/ml
O-desmethyl-tramadol	3.376	14469829	142702.40	7.1	1986.32	889405	973.7850 ng/ml
Oxazepam	5.756	2036726	14527.41	74.8	5338.77	93179	893.8772 ng/ml
Oxycodone	2.841	7840014	8026.68	26.8	9661.88	377796	928.5731 ng/ml
Oxymorphone	1.398	3178567	∞	42.4	∞	124582	962.9429 ng/ml
Phentermine	3.790	1622647	12946.86	4.5	3527.44	241611	835.7967 ng/ml
Promethazine	5.531	2662049	15992.51	28.2	5231.13	111105	1021.7636 ng/ml
Pseudoephedrine	2.603	13500339	3037.77	16.6	∞	591959	1053.6778 ng/ml
Quetiapine	5.562	5796161	155917.54	60.0	109103.39	82297	965.5300 ng/ml
Sertraline	5.775	273456	10098.04	102.4	36677.50	13286	1002.7090 ng/ml
Temazepam	5.830	6078773	75733.73	28.3	15080.31	265363	1075.2353 ng/ml
Tramadol	4.245	12312542	121706.12	3.8	12683.67	698869	903.0116 ng/ml
Trazodone	5.183	6767446	163038.61	80.6	429542.90	311305	936.8390 ng/ml
Venlafaxine	5.036	11559715	149261.89	39.4	83876.89	566814	1021.3730 ng/ml
Zolpidem	4.941	16765615	11245.68	31.9	253157.62	1000139	852.9774 ng/ml