

REVIEWED

By Anne Nord at 11:59 am, Mar 08, 2021

3/4/2021

ST
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Worklist: 4821

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-0266	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0429	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0436	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0437	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0474	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0506	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0534	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0344	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0353	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0354	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0355	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0372	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0378	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0379	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0389	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0391	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0402	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0404	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0407	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0413	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0414	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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Worklist: 4821

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-0415	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



Worklist: 4823

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
P2021-0186	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 03/03/2021

Analyst: Celena Shrum

Plate lot#: 201207

Plate Expiration: 06/07/2021

Mobile phase A: 5mM Amm Form + 0.01% FA

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20724

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

LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate.
Pipette ID: #42
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right)
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. **Urine samples add 50 ul 1% HCl in MeOH**. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

Comments: Curve limits: Alpha-hydroxyalprazolam 5-250 (Qualitative only), Codeine 5-250 (Qualitative only), Dihydrocodeine 5-500, Etizolam 5-500, Lamotrigine 5-250, Levetiracetam 5-500, Lorazepam 5-100, Meprobamate 5-250, Mirtazapine 5-500, Norbuprenorphine 1-100, Phentermine 5-500.

A surrogate ISTD was used for alpha-hydroxyalprazolam and hydromorphone and as such these compounds will be called qualitatively only.

SJ CJ

M2021-0474-1 was reinjected as it was inadvertently injected immediately after another sample containing the same compound.

Celena Shrum and Sophia Jackson both had samples in this batch (Sophia Jackson had one sample). Celena Shrum acted as the primary analyst and performed steps 3-16.

I, Sophia Jackson, approved of all steps utilized in this method. SJ

	1	2	3	4	5	6	7	8	9	10	11	12
A									P0354-1	P0378-1	M0266-1	IS + Cal. 8
B									P0344-1	P0353-1	P0186-1	IS + Cal. 7
C									M0506-2	M0474-4	NEG	IS + Cal. 6
D								P0402-1	P0413-1	P0355-1		IS + Cal. 5
E								P0415-1	P0407-1	M0437-2	IS + QC_4	IS + Cal. 4
F								P0379-1	P0404-1	M0534-2	IS + QC_3	IS + Cal. 3
G								P0414-1	P0391-1	M0436-1	IS + QC_2	IS + Cal. 2
H								P0372-1	P0389-1	M0429-4	IS + QC_1	IS + Cal. 1

All cases are 2021 cases (i.e. M2021-0506-2, P2021-0344-1, etc.).

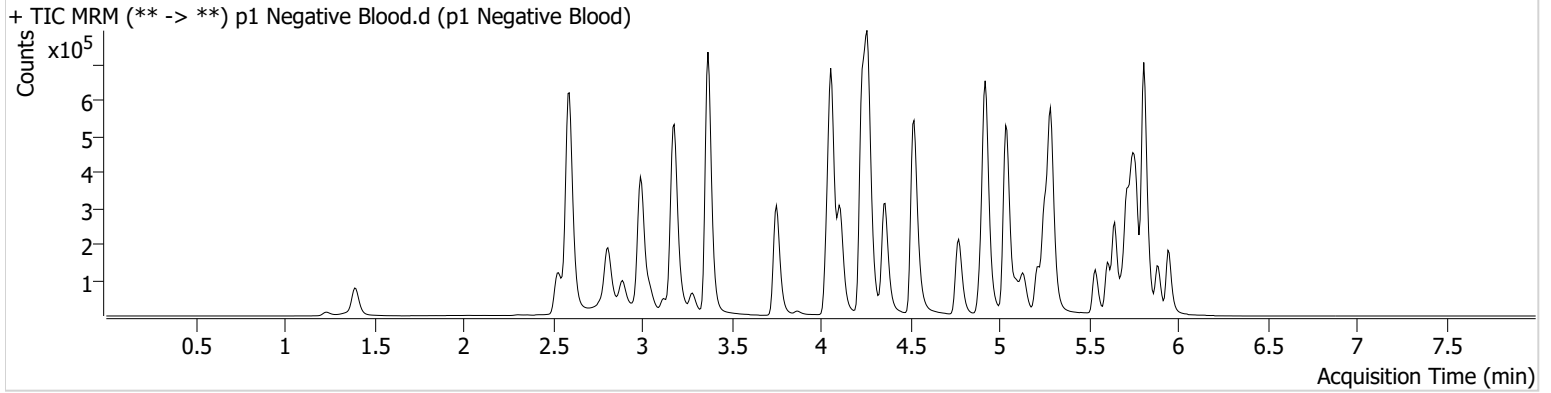
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument	Instrument 1	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-C11	Comment	
Injection Volume	2		
Acq. Date-Time	3/3/2021 9:45:13 AM		
Sample Info.			

Sample Chromatogram



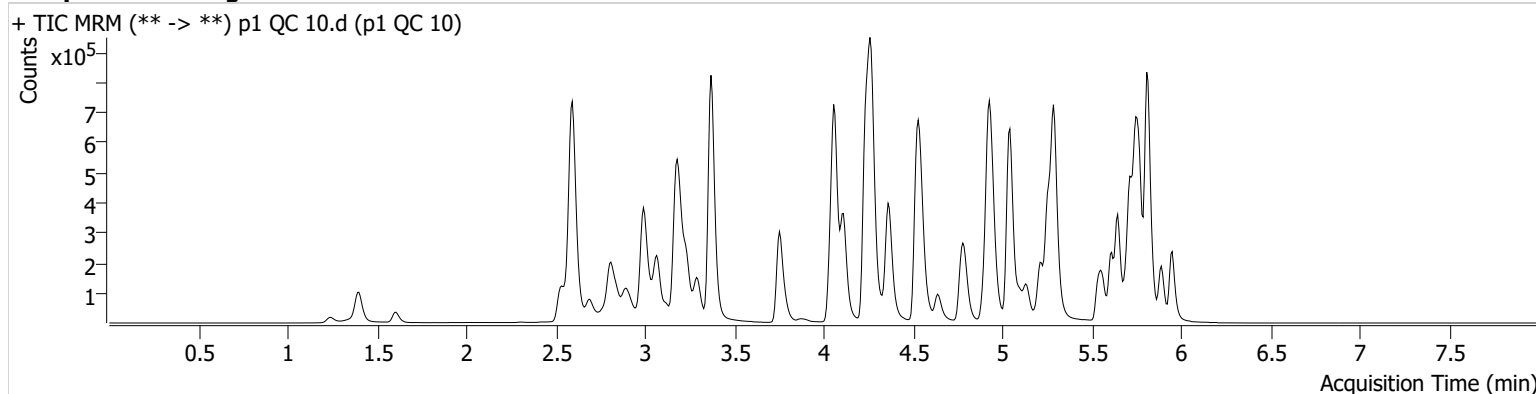


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument	Instrument 1	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-H11	Comment	
Injection Volume	2		
Acq. Date-Time	3/3/2021 10:17:02 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	3422	1172.45	75.2	147.87	88432	0.9383 ng/ml
7-aminoclonazepam	4.278	45153	77.63	86.0	2026.67	176000	9.3056 ng/ml
a-hydroxyalprazolam	5.699	42676	1188.83	58.5	296.27	473128	10.5584 ng/ml
alpha-PHP	4.944	43247	1077.33	265.6	2692.71	778293	10.2401 ng/ml
alpha-PVP	4.376	168268	9438.70	52.5	550.86	778293	9.6292 ng/ml
Alprazolam	5.775	124190	889.76	115.7	553.93	473128	9.7030 ng/ml
Amphetamine	3.069	330989	733.90	49.9	527.53	336300	10.4006 ng/ml
Benzoylecgonine	3.899	5159	381.69	7.5	103.34	19504	9.0711 ng/ml
Buprenorphine	5.894	2380	70.03	16.3	350.98	86306	1.0064 ng/ml
Bupropion	4.795	157537	6421.17	60.0	330.34	577480	9.7072 ng/ml
Carisoprodol	5.724	123008	16400.22	54.6	137.57	643070	9.3407 ng/ml
Citalopram	5.219	69411	514.33	43.6	311.52	332793	9.6361 ng/ml
Clonazepam	5.612	146738	1458.22	33.4	2033.28	178021	9.8430 ng/ml
Clonazepam	5.555	95320	124606.33	38.2	75311.76	178021	10.0861 ng/ml
Cocaine	4.264	138953	824.62	52.0	204.51	1317238	9.7343 ng/ml
Codeine	2.587	18566	80.14	102.8	117.40	93351	9.9716 ng/ml
Cyclobenzaprine	5.615	16361	330.75	8.6	48.00	70898	9.4783 ng/ml
Dextromethorphan	5.268	37747	220.84	76.7	82392.84	180733	9.8821 ng/ml
Dextrophan	4.111	49972	869.44	205.7	1747.01	620245	9.8254 ng/ml
Diazepam	5.953	75036	493.63	89.9	457.06	362574	9.6216 ng/ml
Dihydrocodeine	2.559	47058	555.33	63.3	517.76	276079	10.1680 ng/ml
Diphenhydramine	5.296	196725	6521.57	33.1	430.86	1279786	9.1275 ng/ml
Doxylamine	4.543	351067	5985.61	99.9	13833.04	1564426	9.9093 ng/ml
EDDP	5.261	113711	1009.76	42.7	1904.02	610381	9.5232 ng/ml
Etizolam	5.813	71212	91712.52	25.2	35157.10	178021	9.6159 ng/ml
Fentanyl	5.109	3630	64.56	70.1	4367.41	182641	0.9242 ng/ml
Flualprazolam	5.705	60186	5543.47	97.1	7229.47	473128	9.9966 ng/ml
Fluoxetine	5.700	11511	396.79	10.4	9.12 Low-OK	49241	10.0696 ng/ml
Hydrocodone	3.018	67649	581.68	38.1	193.41	792297	10.1137 ng/ml
Hydromorphone	1.608	60062	20278.79	74.8	2333.67	11236	10.2890 ng/ml
Ketamine	4.059	133954	232.15	37.7	398.04	638550	9.8307 ng/ml
Lamotrigine	4.287	11181	513.75	80.2	2562.43	638550	8.6154 ng/ml
Levetiracetam	2.690	55140	381.77	167.8	1029.19	1739393	9.1390 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	138888	1163.66	56.3	355.91	178021	9.9399 ng/ml
MDA	3.203	218202	1886.52	24.4	248.59	563487	10.2528 ng/ml
MDMA	3.296	134599	5812.12	77.7	1393.46	129666	10.0976 ng/ml
Meprobamate	4.924	72933	276.91	27.6	82.47	345417	10.0000 ng/ml
Methadone	5.646	114696	382.52	45.9	6755.38	550109	9.2855 ng/ml
Methamphetamine	3.238	300947	774.56	38.8	490.30	945982	11.9008 ng/ml
Metoprolol	4.326	33465	49511.57	91.1	656.88	1582798	9.8548 ng/ml
Mirtazapine	4.637	141880	1543.19	48.2	1624.92	778293	9.6365 ng/ml
Mitragynine	5.243	16228	21284.40	37.8	60964.70	550109	9.2181 ng/ml
Morphine	1.247	8608	156.71	27.4	79.72	11236	9.5477 ng/ml
Norbuprenorphine	4.992	373	189.82	106.2	378.87	14291	1.1602 ng/ml
Nordiazepam	5.900	74389	638.58	59.7	823.49	255097	9.8875 ng/ml
Norfentanyl	4.086	30245	933.42	33.3	210.16	1314849	0.9722 ng/ml
Norhydrocodone	3.066	10785	49.99	40.7	550.57	103797	9.8664 ng/ml
Noroxycodone	2.909	78144	416.93	41.2	712.38	270398	10.0015 ng/ml
O-desmethyl-tramadol	3.376	282051	4354.92	6.8	2777.21	1794615	9.4480 ng/ml
Oxazepam	5.749	156708	2151.26	74.7	78.19	638500	9.7449 ng/ml
Oxycodone	2.834	140267	970.46	26.7	543.37	624233	9.6234 ng/ml
Oxymorphone	1.398	68514	272.18	42.9	436.83	255990	9.5508 ng/ml
Phentermine	3.790	68110	510.30	4.3	83.95	797387	10.0930 ng/ml
Promethazine	5.538	35646	490.11	28.4	108.70	157781	9.4824 ng/ml
Pseudoephedrine	2.603	345312	3254.48	16.5	111.26	1739393	9.3813 ng/ml
Quetiapine	5.562	80633	8069.15	59.7	99130.15	117763	9.0254 ng/ml
Sertraline	5.769	4504	119.00	102.4	47.10	21834	9.9699 ng/ml
Temazepam	5.816	262706	542.12	29.5	159.06	1343473	9.6052 ng/ml
Tramadol	4.246	315434	4141.71	3.6	116.83	1582798	10.0505 ng/ml
Trazodone	5.196	63147	1269.78	77.8	79.15	268486	9.9910 ng/ml
Venlafaxine	5.043	254317	482.12	39.9	320.99	1332967	9.7939 ng/ml
Zolpidem	4.948	305694	1861.28	31.8	1869.97	1501532	9.8101 ng/ml

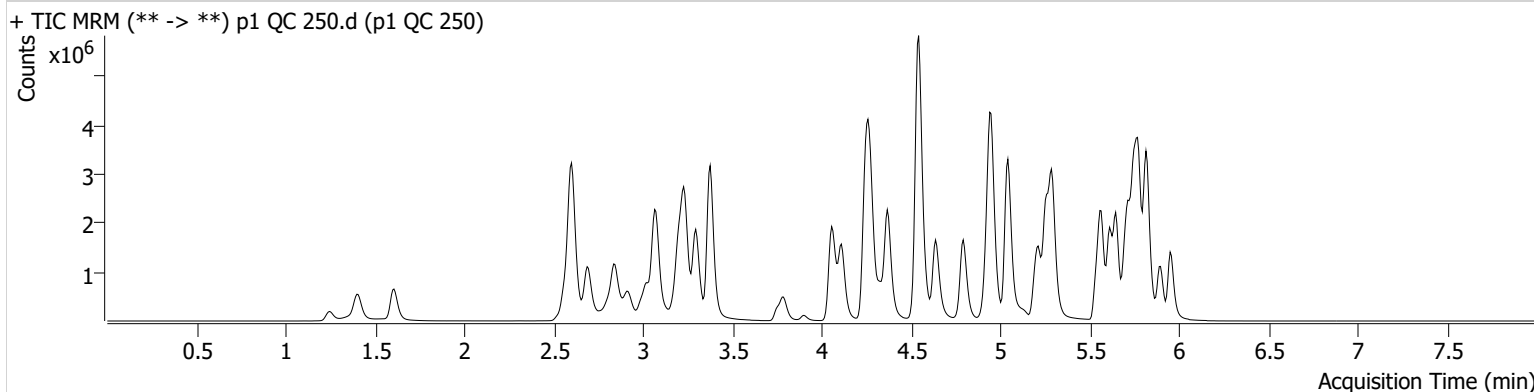


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument	Instrument 1	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-F11	Comment	
Injection Volume	2		
Acq. Date-Time	3/3/2021 10:38:16 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	79341	2803.42	71.1	2440.28	81922	24.5364 ng/ml
7-aminoclonazepam	4.278	904803	4473.25	79.9	8545.82	131385	238.4204 ng/ml
a-hydroxyalprazolam	5.692	543912	3244.56	60.1	1937.49	353608	197.7003 ng/ml
alpha-PHP	4.937	757710	29720.06	264.7	65042.52	607833	248.3526 ng/ml
alpha-PVP	4.370	3346207	72894.76	53.3	103946.34	607833	245.3372 ng/ml
Alprazolam	5.775	2426004	18347.90	113.9	∞	353608	248.7458 ng/ml
Amphetamine	3.069	4469032	52132.14	49.4	1675.21	224903	238.2402 ng/ml
Benzoylecgonine	3.899	119781	6589.88	8.0	9846.95	17677	247.4241 ng/ml
Buprenorphine	5.900	40513	2180.63	14.5	12419.43	60747	23.2264 ng/ml
Bupropion	4.795	2613617	260414.49	60.5	28594.25	397055	240.1379 ng/ml
Carisoprodol	5.724	1854461	3769055.50	53.0	9219.96	366762	241.2037 ng/ml
Citalopram	5.219	1378154	14492.16	43.0	937.02	259623	239.0425 ng/ml
Clonazepam	5.612	2533229	35922.78	33.2	30456.70	125396	257.0621 ng/ml
Clonazepam	5.555	1755070	11473.95	37.6	909814.85	125396	270.3873 ng/ml
Cocaine	4.264	2732356	99599.66	51.0	43024.11	1026064	246.9507 ng/ml
Codeine	2.580	301856	1390.19	100.1	358.13	74231	220.2944 ng/ml
Cyclobenzaprine	5.615	599333	6478.34	9.1	1134.21	100059	235.1893 ng/ml
Dextromethorphan	5.262	703217	830.06	80.3	718.88	139670	238.8599 ng/ml
Dextrophan	4.111	1002604	2280.32	204.8	1343.13	490082	246.4235 ng/ml
Diazepam	5.953	1529630	742.52	88.1	745.67	300181	240.3558 ng/ml
Dihydrocodeine	2.559	966937	1448.64	63.3	167.86	259803	237.5498 ng/ml
Diphenhydramine	5.296	3894825	131504.39	32.5	1773.88	953920	240.1524 ng/ml
Doxylamine	4.543	7917940	232278.22	98.5	47259.79	1375837	256.9386 ng/ml
EDDP	5.261	2601613	47315.17	43.0	1419.31	562707	236.9905 ng/ml
Etizolam	5.813	1386275	22015.08	25.6	576976.45	125396	253.4405 ng/ml
Fentanyl	5.116	85999	2848.08	70.1	3889.39	171474	23.3989 ng/ml
Flualprazolam	5.705	1057549	44325.11	99.0	26505.66	353608	244.5421 ng/ml
Fluoxetine	5.700	421455	24750.08	9.0	72698.56	76921	232.1588 ng/ml
Hydrocodone	3.018	1370057	∞	36.9	1370.93	715883	245.6100 ng/ml
Hydromorphone	1.608	1206007	3777052.74	75.1	537.52	9808	249.0196 ng/ml
Ketamine	4.059	2653691	84347.68	38.9	1361.76	544697	242.7052 ng/ml
Lamotrigine	4.287	206197	1727.89	80.9	5088.93	544697	227.6240 ng/ml
Levetiracetam	2.690	1113625	24352.80	161.8	4407.87	1330664	233.7597 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1333401	2640.96	56.1	1919.19	125396	150.1302 ng/ml*
MDA	3.203	2959747	22087.01	23.9	661.95	371400	239.7467 ng/ml
MDMA	3.296	2617847	31070.66	77.8	5428.94	104197	247.0463 ng/ml
Meprobamate	4.924	1037620	99065.90	26.3	27954.25	271664	201.7268 ng/ml
Methadone	5.646	2470974	1295372.66	45.6	70019.77	459527	240.4350 ng/ml
Methamphetamine	3.238	4379470	1776.17	38.4	4376.68	787894	241.5214 ng/ml
Metoprolol	4.326	686637	142810.67	89.7	1826.47	1322359	253.5049 ng/ml
Mirtazapine	4.637	2802488	158433.38	47.8	152955.69	607833	228.3536 ng/ml
Mitragynine	5.243	326701	4617.91	40.2	1667.70	459527	240.6871 ng/ml
Morphine	1.247	186025	2081.37	27.5	1804.34	9808	242.0191 ng/ml
Norbuprenorphine	4.992	5163	1631.34	102.1	3702.19	10321	22.7802 ng/ml
Nordiazepam	5.900	1412057	22895.26	58.8	14420.52	203038	241.2128 ng/ml
Norfentanyl	4.086	619239	616.67	34.3	14391.23	1010965	23.9128 ng/ml
Norhydrocodone	3.066	164874	408.00	38.8	145.89	61386	231.4257 ng/ml
Noroxycodone	2.916	1302693	2220.02	42.2	890.13	191834	243.0474 ng/ml
O-desmethyl-tramadol	3.376	6318746	140384.84	6.7	9750.40	1550134	245.4392 ng/ml
Oxazepam	5.749	1949984	6277.87	74.4	7173.94	332008	243.1051 ng/ml
Oxycodone	2.834	3111618	3752.52	26.5	891.76	565611	245.3303 ng/ml
Oxymorphone	1.405	1315338	∞	41.8	449.18	202048	239.7958 ng/ml
Phentermine	3.790	1180023	3039.05	4.5	3788.17	649928	232.3431 ng/ml
Promethazine	5.538	1280307	1221.20	27.6	411.93	224588	245.0437 ng/ml
Pseudoephedrine	2.603	6943664	82290.69	16.3	45692.98	1330664	239.1316 ng/ml
Quetiapine	5.562	1761935	1593342.81	58.9	1018436.03	99033	241.7957 ng/ml
Sertraline	5.769	218460	1619.70	100.9	31917.56	44627	238.2887 ng/ml
Temazepam	5.823	4161072	1015.81	28.6	742.02	806330	245.6606 ng/ml
Tramadol	4.246	6343442	156943.93	3.6	1806.93	1322359	254.8437 ng/ml
Trazodone	5.196	1423624	58540.46	81.0	411.79	252925	250.2332 ng/ml
Venlafaxine	5.043	5463477	260251.78	40.1	2737.04	1114463	247.8930 ng/ml
Zolpidem	4.948	6405363	4824.91	30.7	5468.70	1301404	247.6364 ng/ml

*Outside curve range.

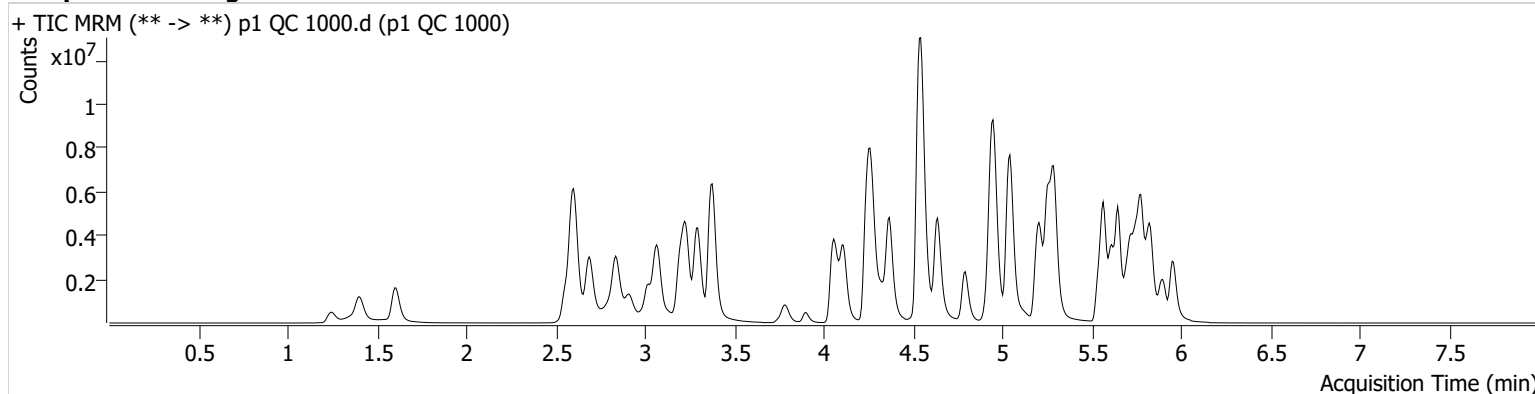


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument	Instrument 1	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-E11	Comment	
Injection Volume	2		
Acq. Date-Time	3/3/2021 10:59:30 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	279427	2210.53	71.6	2777.36	70308	100.8237 ng/ml
7-aminoclonazepam	4.285	1495824	4004.85	75.7	10500.32	45406	1138.8584 ng/ml
alpha-hydroxyalprazolam	5.685	797489	393.20	59.0	980.97	201233	511.0945 ng/ml *
alpha-PHP	4.937	1496976	8124.50	267.4	1293.24	364418	820.3940 ng/ml
alpha-PVP	4.370	7725666	207278.57	54.0	44778.36	364418	944.7987 ng/ml
Alprazolam	5.775	5448894	∞	114.0	6386.50	201233	981.1680 ng/ml
Amphetamine	3.069	7100056	4560.21	49.2	38335.10	103440	826.5540 ng/ml
Benzoylcegonine	3.899	545774	5213.63	7.9	26031.42	18276	1092.4837 ng/ml
Buprenorphine	5.900	81521	6501.83	13.4	25478.81	27416	103.3889 ng/ml
Bupropion	4.795	3768170	121403.12	60.7	2779.08	146517	938.9786 ng/ml
Carisoprodol	5.724	3287411	217760.45	52.8	17734.91	145834	1074.5674 ng/ml
Citalopram	5.219	3460635	3509.26	43.6	∞	158046	985.2449 ng/ml
Clonazepam	5.612	5020051	105152.60	32.4	83084.20	70606	906.4133 ng/ml
Clonazepam	5.555	3367435	232683.78	37.3	18682.92	70606	922.0120 ng/ml
Cocaine	4.264	7106219	1707.36	50.8	276545.35	635758	1036.7190 ng/ml
Codeine	2.580	626286	805.60	102.1	210.97	48185	705.9820 ng/ml *
Cyclobenzaprine	5.615	1341324	817.82	8.9	1340.92	53898	975.7908 ng/ml
Dextromethorphan	5.262	1550707	24501.40	79.2	16418.23	73316	1003.5238 ng/ml
Dextrophan	4.111	2645523	167636.50	211.7	397490.66	308950	1031.0394 ng/ml
Diazepam	5.960	3757632	4194.77	88.1	∞	187716	944.6259 ng/ml
Dihydrocodeine	2.552	2537913	378.18	63.9	24617.09	234298	692.7902 ng/ml *
Diphenhydramine	5.289	10301084	1249.22	33.4	20534.38	600941	1007.9494 ng/ml
Doxylamine	4.543	21528229	6663.71	97.9	425987.32	1132406	849.0336 ng/ml
EDDP	5.254	8224844	975.88	41.8	68310.02	412007	1023.3681 ng/ml
Etizolam	5.813	3522262	13451.13	25.1	923787.83	70606	1142.0174 ng/ml *
Fentanyl	5.116	221244	471.33	70.1	488054.61	107313	96.1979 ng/ml
Flualprazolam	5.705	2234270	37905.47	100.9	138424.00	201233	908.9921 ng/ml
Fluoxetine	5.700	467775	17324.86	9.0	1844.69	21820	907.8681 ng/ml
Hydrocodone	3.018	3879246	310.82	38.4	1721.13	574264	869.1679 ng/ml
Hydromorphone	1.608	3346051	17598740.99	76.0	10767106.5	7429	913.6054 ng/ml
Ketamine	4.059	6938138	145762.87	38.0	69236.05	378370	915.2949 ng/ml
Lamotrigine	4.287	435101	1127.15	83.0	832.63	378370	695.5444 ng/ml *

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.690	3157727	59832.35	164.8	192639.25	743963	1184.3534 ng/ml*
Lorazepam	5.747	1452243	35314.08	55.8	5367.36	70606	291.4783 ng/ml*
MDA	3.196	5686125	79916.08	23.3	1154.58	216098	794.9784 ng/ml
MDMA	3.296	6895317	19860.14	77.0	36472.15	70980	955.5583 ng/ml
Meprobamate	4.917	1723497	44594.97	27.1	17818.42	200512	455.4954 ng/ml*
Methadone	5.646	6697210	206177.77	44.9	33849.85	300150	997.8113 ng/ml
Methamphetamine	3.231	7574889	39018.43	37.6	3855.30	411277	805.0003 ng/ml
Metoprolol	4.326	1704463	460625.18	90.5	64615.88	962535	865.7042 ng/ml
Mirtazapine	4.637	8398395	10798.77	47.4	1402861.98	364418	1138.8890 ng/ml*
Mitragynine	5.243	600944	5571.79	39.9	2009.70	300150	679.2664 ng/ml
Morphine	1.247	555093	1224.51	28.6	2618.95	7429	954.0979 ng/ml
Norbuprenorphine	4.992	11249	131.70	101.7	80040.24	5226	98.1138 ng/ml
Nordiazepam	5.900	2968702	11837.92	58.8	2238.57	110417	933.1937 ng/ml
Norfentanyl	4.086	1780692	42748.76	33.9	15002.32	627602	110.4877 ng/ml
Norhydrocodone	3.059	496696	170.48	41.3	61.41	39771	1072.6324 ng/ml
Noroxycodone	2.909	2740222	1264.61	42.2	829.26	104585	938.7772 ng/ml
O-desmethyl-tramadol	3.376	17039743	∞	7.2	73202.73	1087808	943.2218 ng/ml
Oxazepam	5.749	2006168	41121.57	73.0	7584.25	91713	906.5964 ng/ml
Oxycodone	2.834	9589383	1894.61	26.7	631.34	461530	927.7114 ng/ml
Oxymorphone	1.398	3676578	∞	42.2	314.66	143793	942.7508 ng/ml
Phentermine	3.790	2406081	∞	4.3	1632.78	418066	738.4026 ng/ml*
Promethazine	5.538	2802194	2787.68	28.1	6231.91	122222	986.2405 ng/ml
Pseudoephedrine	2.603	16815004	172126.24	16.4	141408.09	743963	1034.7860 ng/ml
Quetiapine	5.562	5813573	626247.11	59.2	5028051.36	80376	983.8933 ng/ml
Sertraline	5.769	248873	261.86	101.6	8992.78	13593	891.4175 ng/ml
Temazepam	5.830	6272746	18816.69	28.1	17056.10	287113	1039.0394 ng/ml
Tramadol	4.246	15104531	2451.99	3.8	2389.00	962535	834.9320 ng/ml
Trazodone	5.196	5252224	1975.68	79.6	1684.82	237732	983.6095 ng/ml
Venlafaxine	5.043	15411519	285842.93	40.9	3626.46	771513	1009.6284 ng/ml
Zolpidem	4.948	18094587	107732.07	32.0	4994.64	1062509	857.9497 ng/ml

*Outside curve range.

AM #28 Multi-Drug Quant. Results

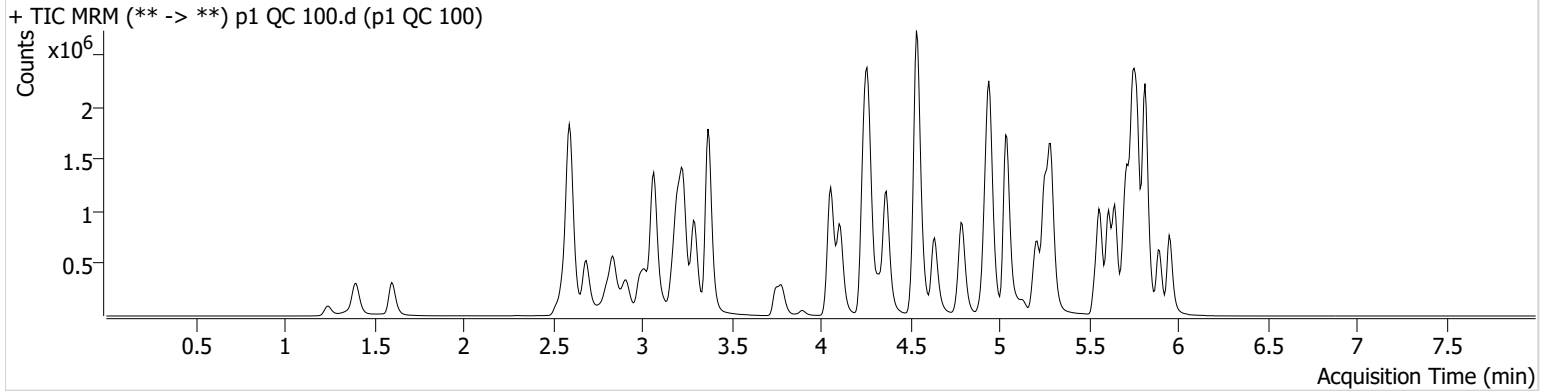


Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument Instrument 1
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G11
Injection Volume 2
Acq. Date-Time 3/3/2021 3:35:12 PM
Sample Info.

Data File p1 QC 100.d
Sample p1 QC 100
Operator Celena Shrum
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	34093	6696.65	72.3	9039.59	80453	10.7111 ng/ml
7-aminoclonazepam	4.278	474463	642.35	81.7	1331.66	160979	102.2915 ng/ml
a-hydroxyalprazolam	5.692	337612	980.70	58.2	378.43	384660	112.3363 ng/ml
alpha-PHP	4.937	377643	16230.24	269.0	44408.05	662441	113.1037 ng/ml
alpha-PVP	4.370	1585323	41192.05	52.5	1903.05	662441	106.6478 ng/ml
Alprazolam	5.775	1144337	1076.79	113.2	2421.59	384660	107.9701 ng/ml
Amphetamine	3.069	2550710	4638.00	48.9	22181.58	262292	115.8412 ng/ml
Benzoylecgonine	3.899	52393	310.74	7.1	45.35	17782	107.2394 ng/ml
Buprenorphine	5.900	20509	2054.24	14.8	7608.21	74111	9.6655 ng/ml
Bupropion	4.795	1320459	1363.99	60.5	880.12	452060	106.4188 ng/ml
Carisoprodol	5.724	1002576	57927.61	54.4	4889.43	470039	101.8796 ng/ml
Citalopram	5.212	599699	15212.33	43.6	534.75	264082	102.4072 ng/ml
Clonazepam	5.612	1321180	20992.17	32.6	247527.10	147535	113.5756 ng/ml
Clonazepam	5.555	850778	704539.88	38.1	22851.36	147535	111.2457 ng/ml
Cocaine	4.264	1267594	3275056.56	50.7	930.34	1109171	105.9525 ng/ml
Codeine	2.580	161483	1524.44	102.0	1298.76	79809	109.1903 ng/ml
Cyclobenzaprine	5.615	173111	8081.51	9.3	1230.49	66263	102.8242 ng/ml
Dextromethorphan	5.262	321684	11252.28	78.9	40549.05	143612	106.2516 ng/ml
Dextrophan	4.111	450940	5127.04	206.7	982.03	523964	103.7392 ng/ml
Diazepam	5.953	714586	513.40	87.3	6354.48	323403	104.1400 ng/ml
Dihydrocodeine	2.559	445568	40714.30	63.9	2727.95	252643	112.1738 ng/ml
Diphenhydramine	5.289	1725771	730.12	33.0	10498.65	1001679	101.3882 ng/ml
Doxylamine	4.536	3400693	1163.91	98.2	218323.16	1381865	109.8064 ng/ml
EDDP	5.254	1193242	38709.64	43.8	18515.61	589147	103.8033 ng/ml
Etizolam	5.813	662693	9883.23	25.0	433918.99	147535	103.2487 ng/ml
Fentanyl	5.109	35436	80.25	69.8	88501.04	158497	10.4292 ng/ml
Flualprazolam	5.705	523584	13325.87	94.9	32731.03	384660	111.0667 ng/ml
Fluoxetine	5.700	124788	4800.87	8.6	216.49	51326	103.1146 ng/ml
Hydrocodone	3.018	626420	360.45	36.8	231.31	709993	112.7537 ng/ml
Hydromorphone	1.601	551048	7821.40	75.3	13536.16	9826	113.2639 ng/ml
Ketamine	4.059	1217678	38779.22	38.4	540.53	560576	107.8546 ng/ml
Lamotrigine	4.280	97103	3007.45	81.5	364.63	560576	103.0693 ng/ml
Levetiracetam	2.690	511693	6016.80	160.7	6779.45	1452137	98.5951 ng/ml



AM #28 Multi-Drug Quant. Results

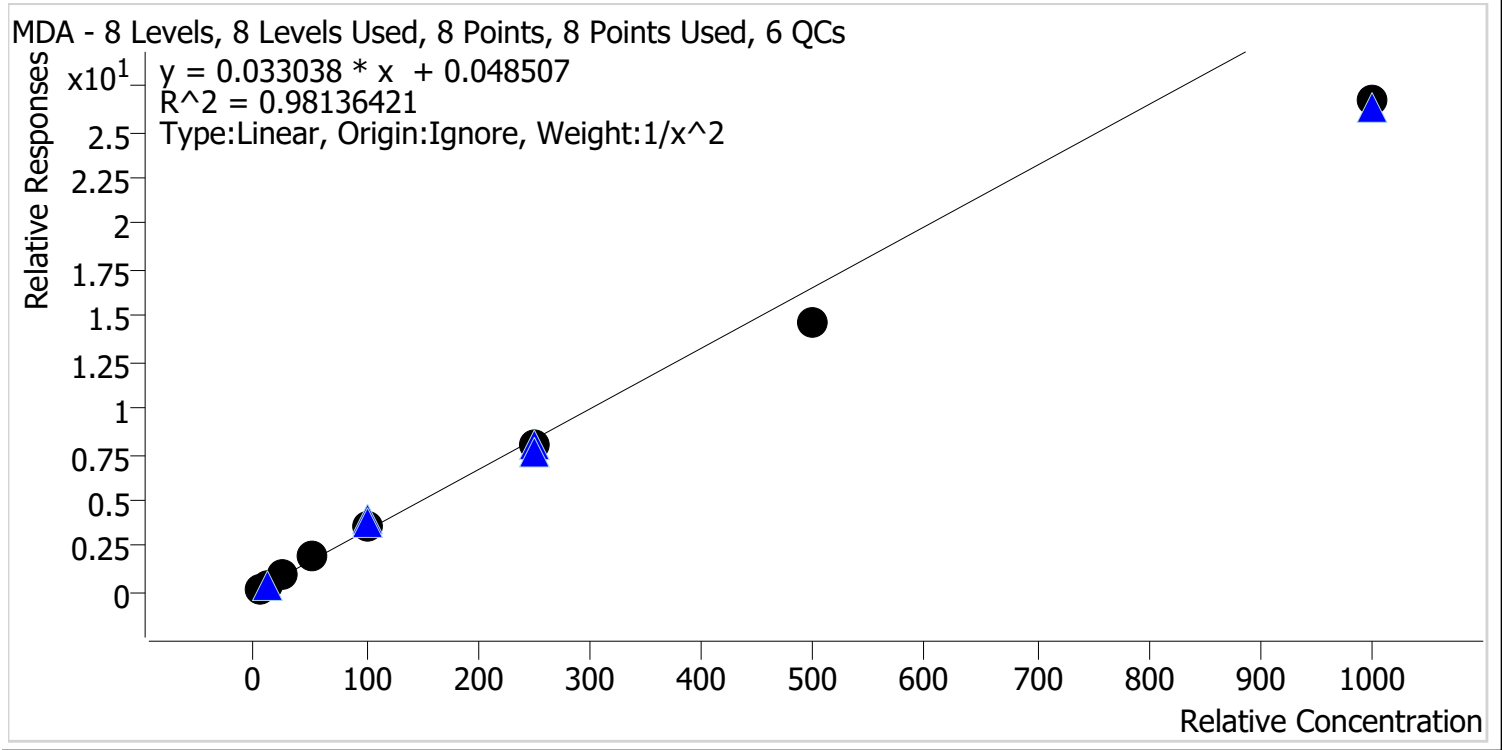
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	975910	2869.10	56.0	2727.74	147535	92.9530 ng/ml
MDA	3.203	1678872	2178.53	23.7	4335.54	423778	118.4458 ng/ml
MDMA	3.296	1216692	1538930.00	76.3	4395.64	109164	109.5313 ng/ml
Meprobamate	4.924	572261	27885.18	27.5	7537.98	287155	104.6700 ng/ml
Methadone	5.646	1041026	3102.57	44.8	657.73	443244	104.9951 ng/ml
Methamphetamine	3.231	2095141	2695.74	38.4	1456.47	807517	111.6489 ng/ml
Metoprolol	4.326	318998	702620.70	89.2	19127.17	1422050	109.2403 ng/ml
Mirtazapine	4.637	1250056	3642.02	48.6	10155.90	662441	93.8349 ng/ml
Mitragynine	5.243	146414	253441.66	40.0	132480.71	443244	111.3994 ng/ml
Morphine	1.247	83809	878.27	28.9	241.53	9826	108.7013 ng/ml
Norbuprenorphine	4.986	2552	6182.62	92.4	1289.40	11266	10.3007 ng/ml
Nordiazepam	5.900	693872	∞	58.2	803.28	223299	107.6441 ng/ml
Norfentanyl	4.079	285751	185.50	33.7	1597.66	1131567	9.9039 ng/ml
Norhydrocodone	3.059	77472	188.90	41.1	85.08	72266	92.9428 ng/ml
Noroxycodone	2.909	669953	4371.82	41.6	667.15	217064	110.2717 ng/ml
O-desmethyl-tramadol	3.369	2768533	2261.35	6.9	773.42	1612150	103.3923 ng/ml
Oxazepam	5.749	1239763	343.45	74.5	4254.70	462151	110.8022 ng/ml
Oxycodone	2.834	1364826	2097.70	26.9	2319.78	555040	109.4279 ng/ml
Oxymorphone	1.398	638907	∞	42.0	602.42	210793	111.4735 ng/ml
Phentermine	3.783	582381	2221.77	4.5	1653.53	674812	109.9795 ng/ml
Promethazine	5.538	376008	2113.09	28.0	1272.82	152853	105.6045 ng/ml
Pseudoephedrine	2.603	3215190	1177.27	16.7	362847.51	1452137	101.6346 ng/ml
Quetiapine	5.562	720221	53015.19	58.3	976.49	94723	103.1686 ng/ml
Sertraline	5.769	56324	1357.68	100.4	118586.69	27043	101.3415 ng/ml
Temazepam	5.816	2288154	98478.30	28.5	7708.84	1051905	103.7287 ng/ml
Tramadol	4.246	2938578	1427.80	3.7	347.75	1422050	109.4606 ng/ml
Trazodone	5.196	575159	9034.88	79.1	82808.13	228886	111.4455 ng/ml
Venlafaxine	5.043	2404098	57388.15	40.0	8272.86	1163104	104.6069 ng/ml
Zolpidem	4.948	2897026	73584.28	30.9	10060.97	1335170	108.9162 ng/ml

SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte MDA **Internal Standard** MDA-D5



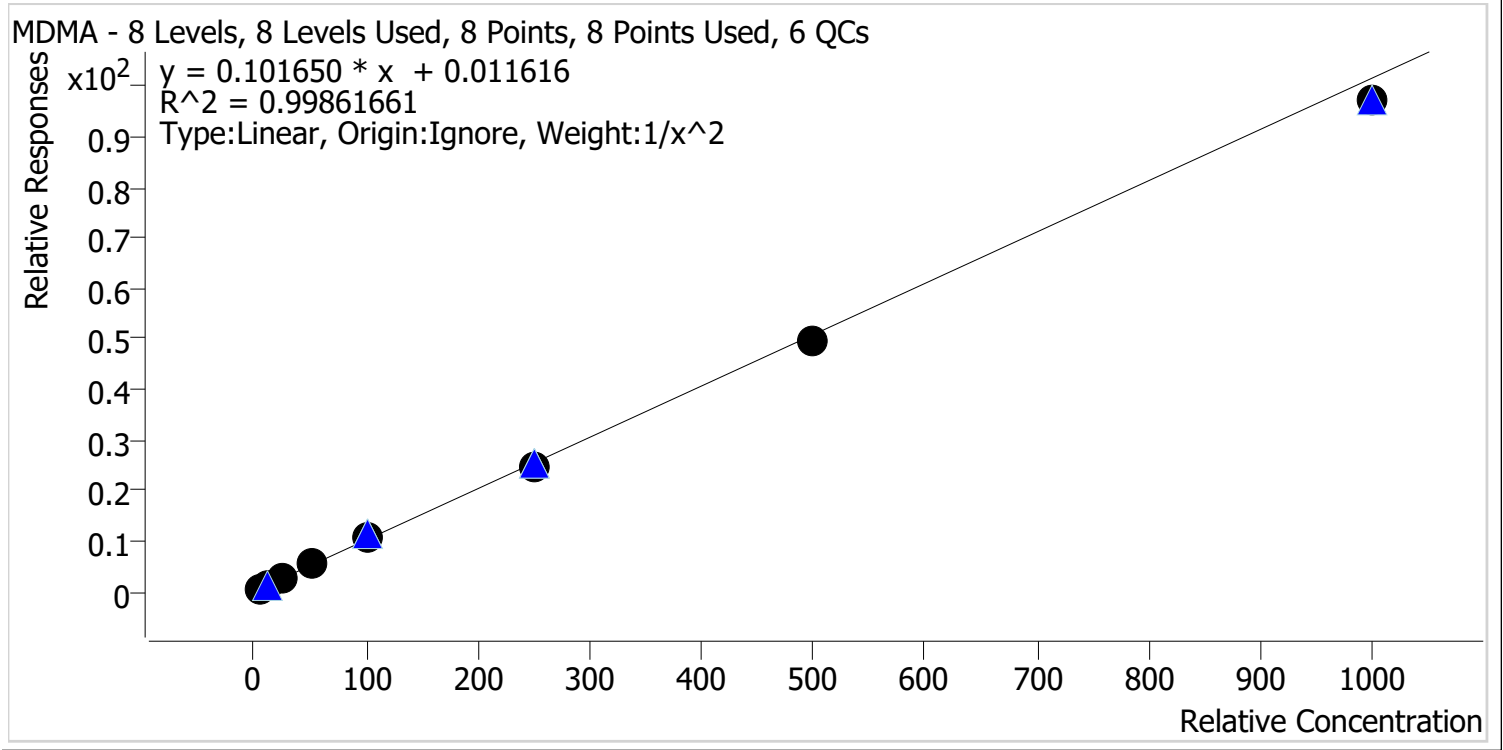
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p1 Cal 1-5ng	1	✓	5.0	4.7	94.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.0
p1 Cal 4-50ng	4	✓	50.0	58.6	117.2
p1 Cal 5-100ng	5	✓	100.0	109.5	109.5
p1 Cal 6-250ng	6	✓	250.0	243.9	97.6
p1 Cal 7-500ng	7	✓	500.0	443.5	88.7
p1 Cal 8-1000ng	8	✓	1000.0	806.7	80.7

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte MDMA **Internal Standard** MDMA-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	245.0	98.0
p1 Cal 7-500ng	7	✓	500.0	490.9	98.2
p1 Cal 8-1000ng	8	✓	1000.0	956.1	95.6

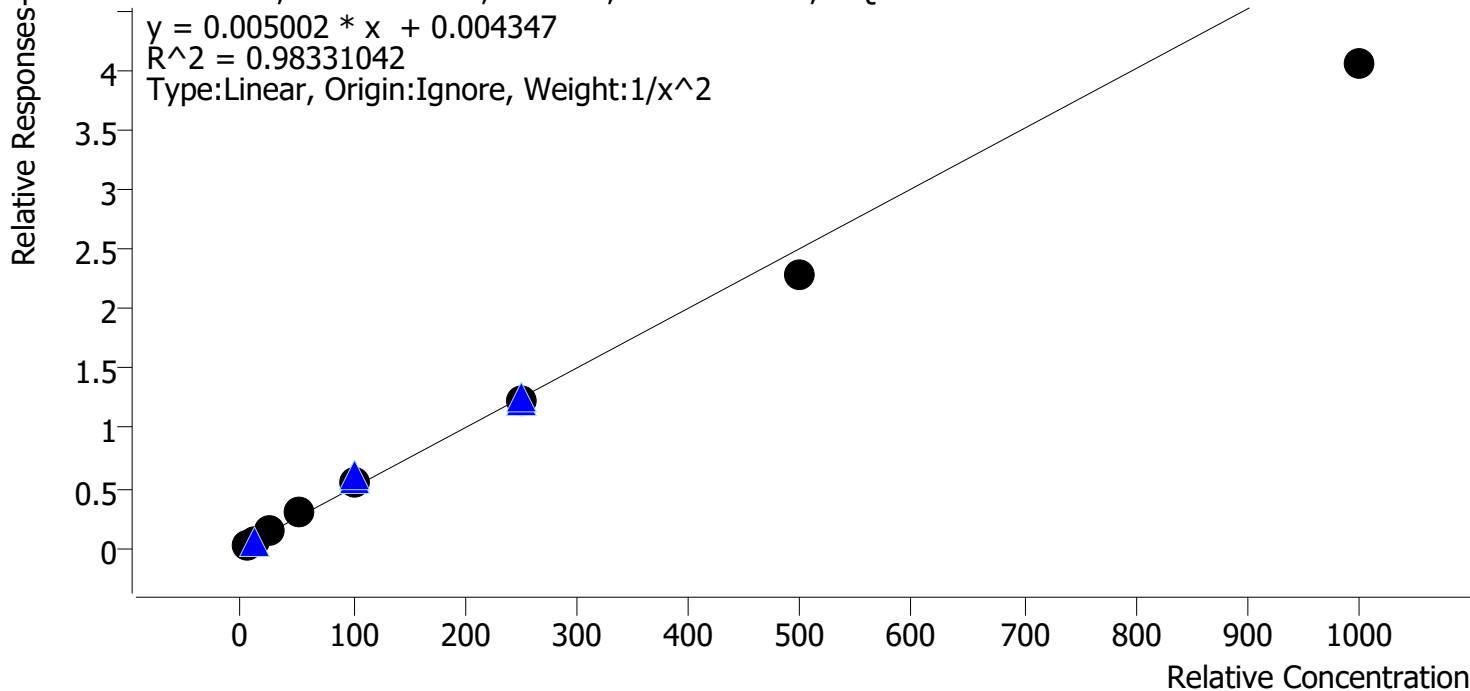
SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datator
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

alpha-PHP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



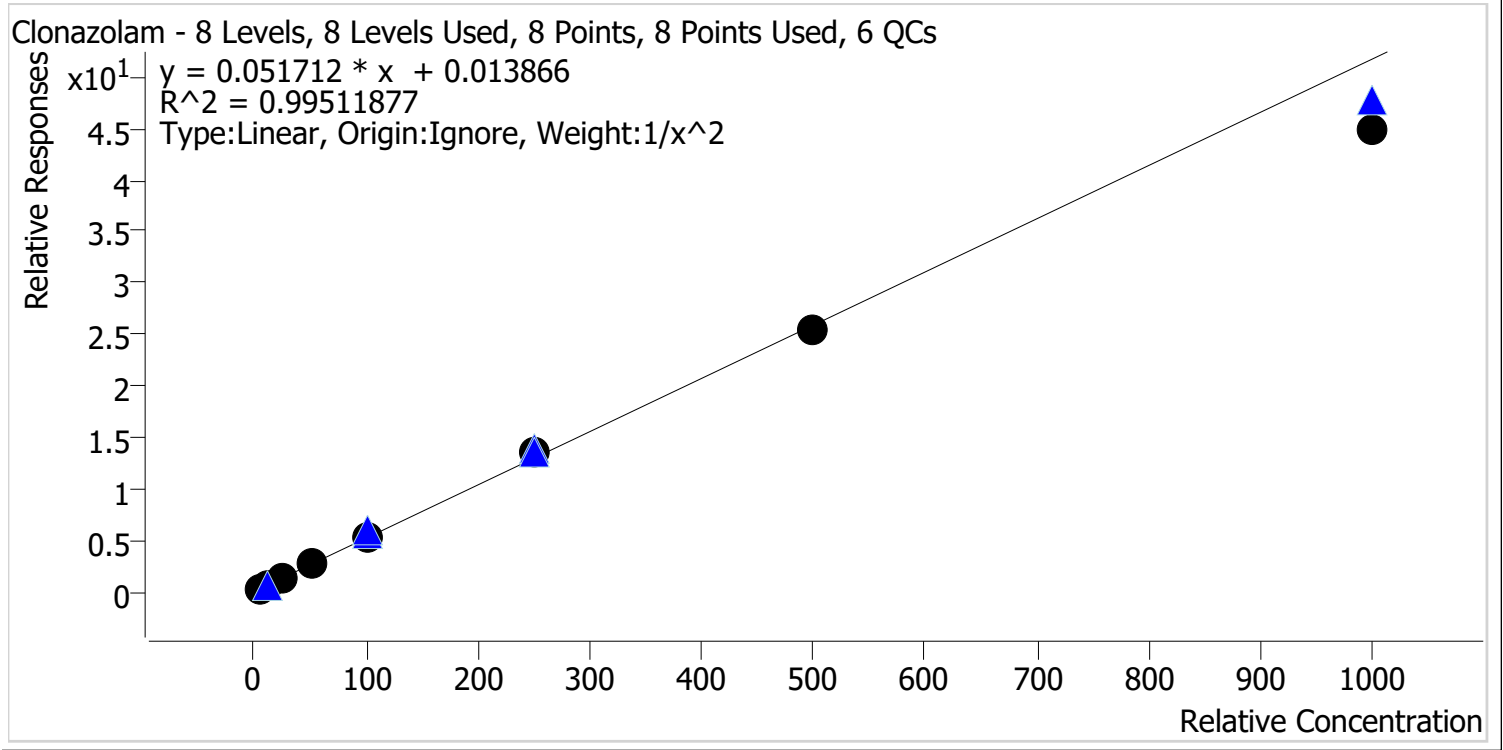
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.8
p1 Cal 2-10ng	2	✓	10.0	10.7	107.3
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	58.0	115.9
p1 Cal 5-100ng	5	✓	100.0	108.8	108.8
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	454.2	90.8
p1 Cal 8-1000ng	8	✓	1000.0	806.8	80.7

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4



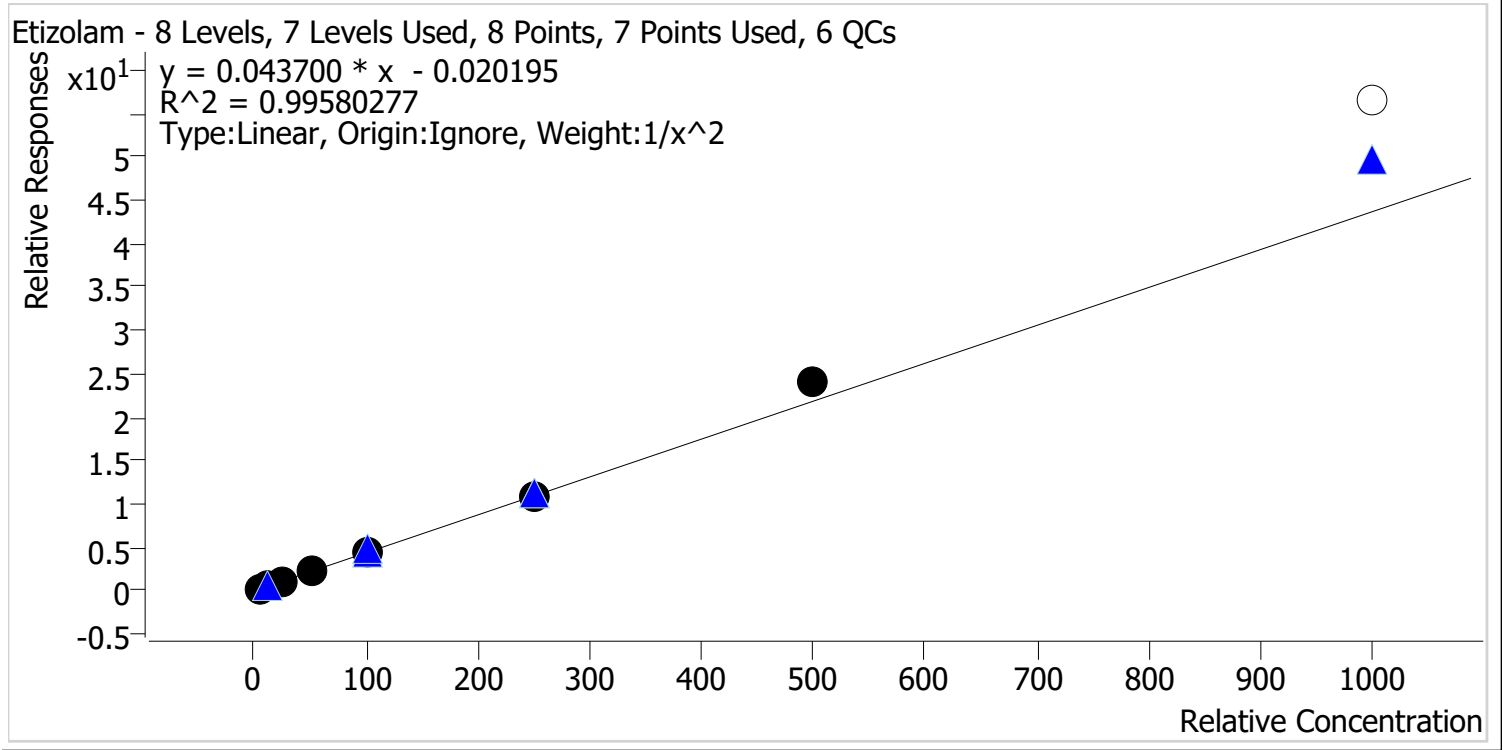
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	53.1	106.1
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	258.5	103.4
p1 Cal 7-500ng	7	✓	500.0	489.9	98.0
p1 Cal 8-1000ng	8	✓	1000.0	866.7	86.7

SJ G



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 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	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.1
p1 Cal 4-50ng	4	✓	50.0	49.8	99.5
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	547.7	109.5
p1 Cal 8-1000ng	8	✗	1000.0	1293.3	129.3

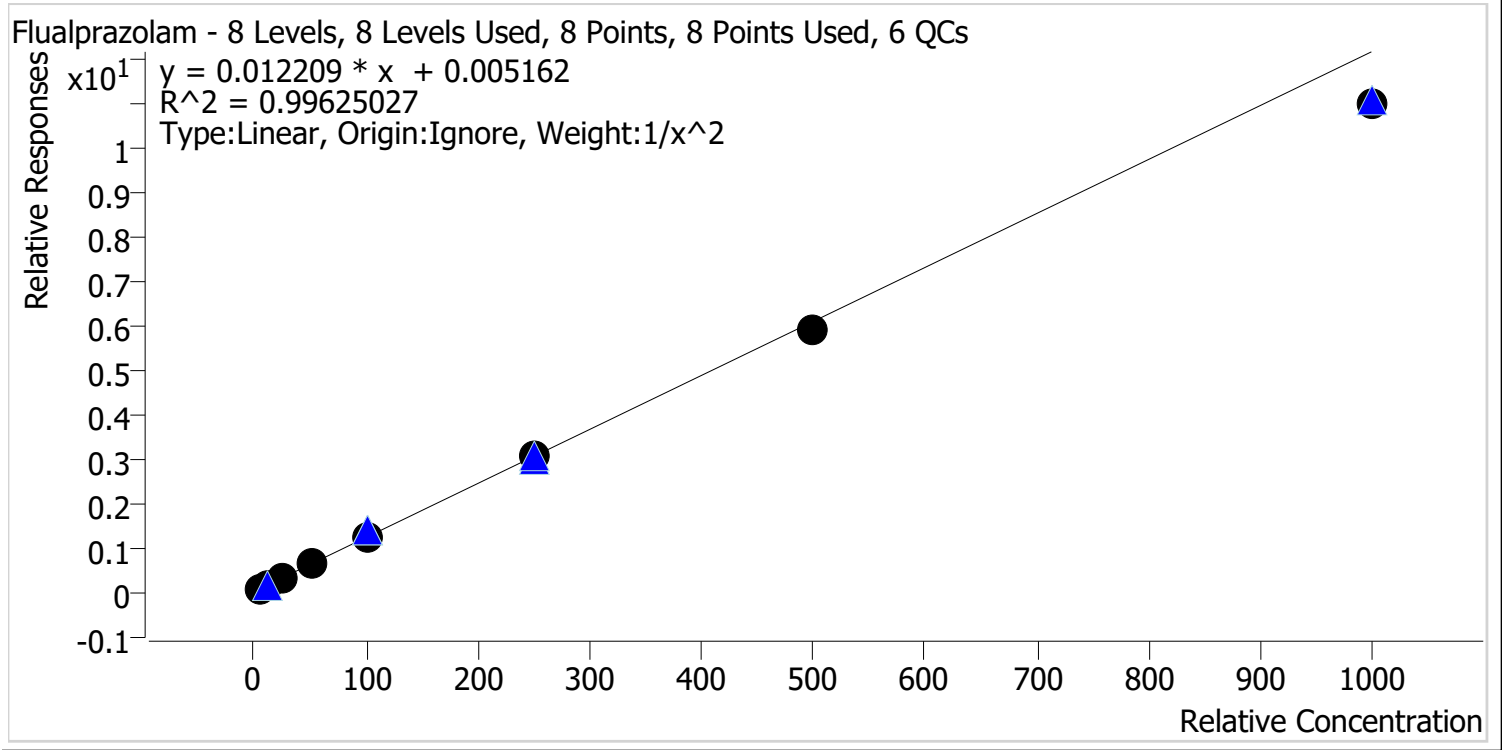
Calibrator 8 dropped due to not meeting accuracy requirement.

SJ
CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



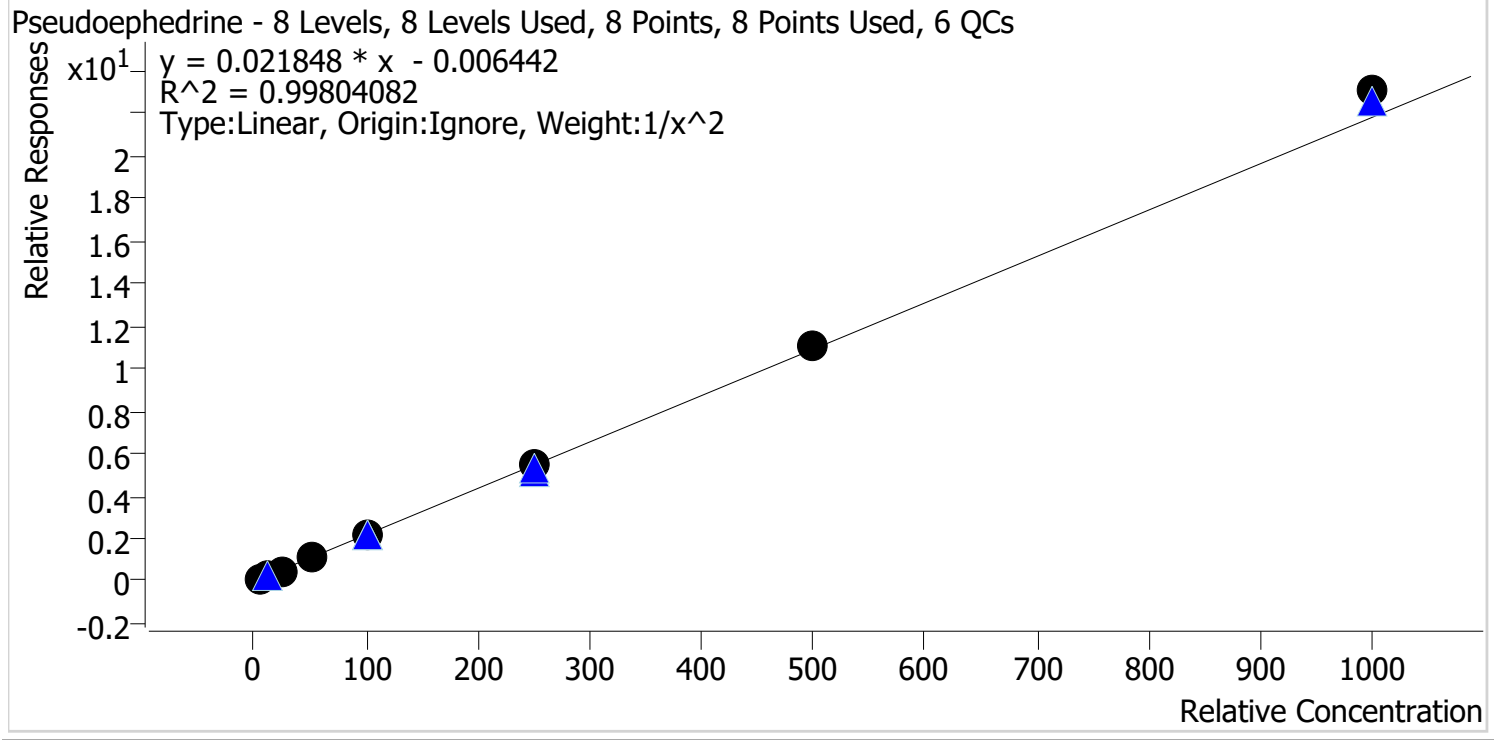
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	481.6	96.3
p1 Cal 8-1000ng	8	✓	1000.0	906.3	90.6

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



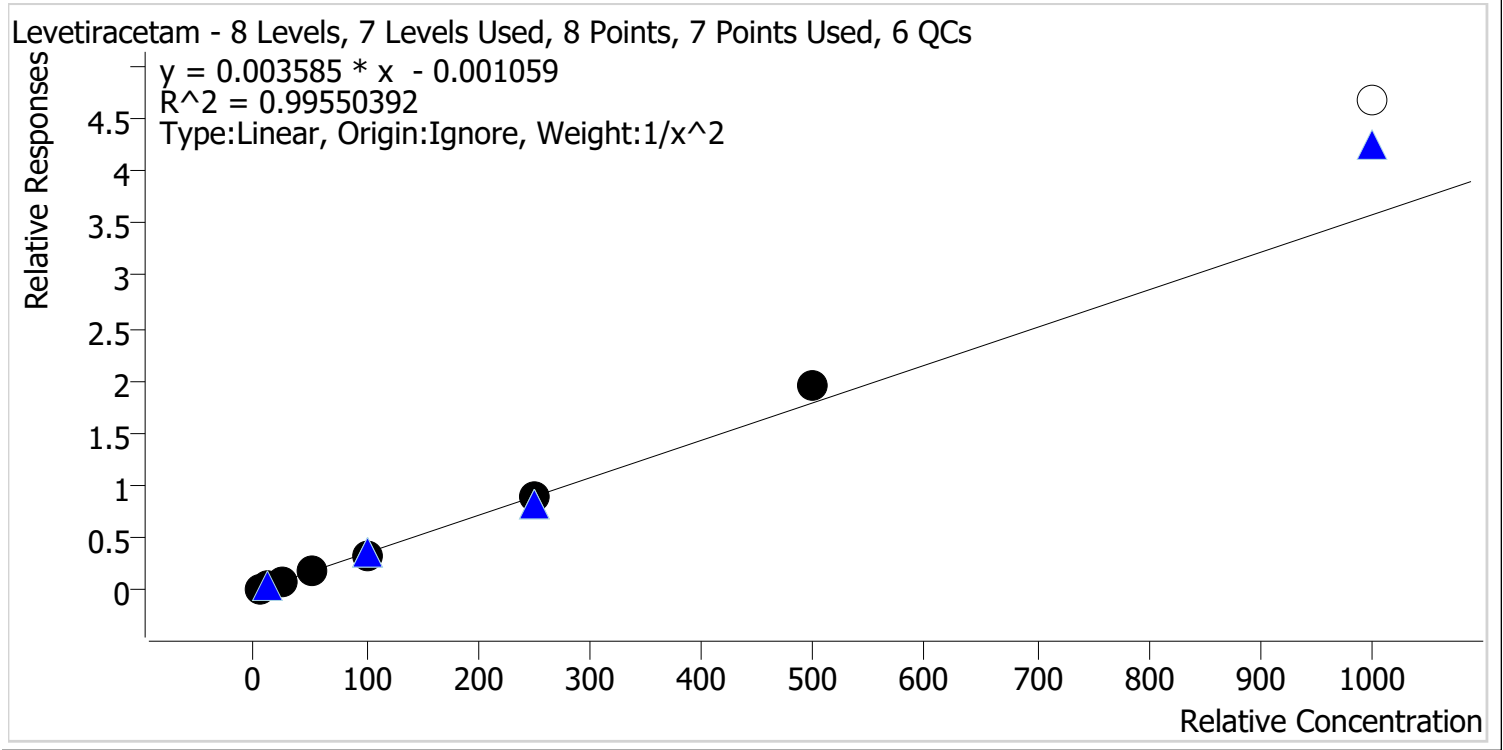
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	511.0	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1057.7	105.8

SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Levetiracetam **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	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	94.0	94.0
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	547.1	109.4
p1 Cal 8-1000ng	8	✗	1000.0	1303.8	130.4

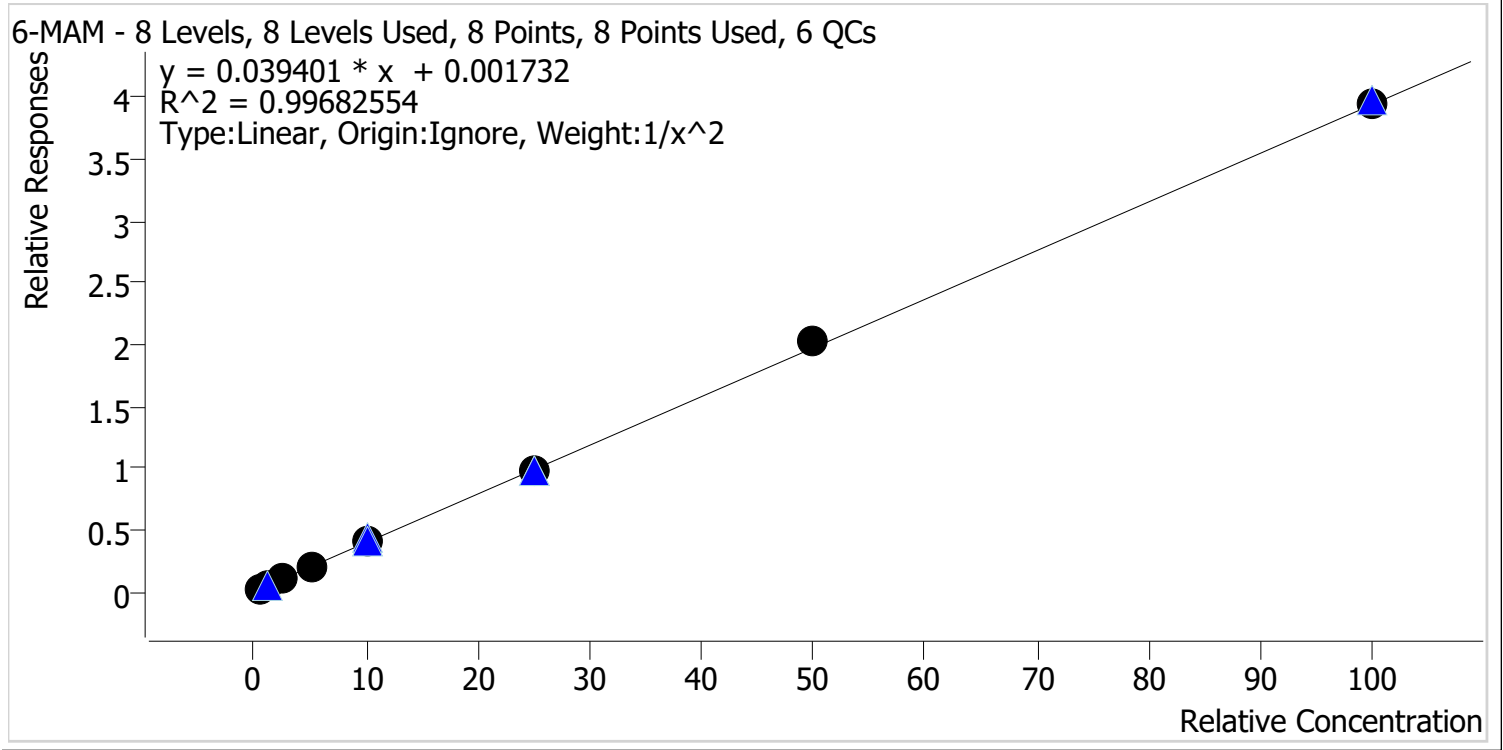
Calibrator 8 dropped due to not meeting accuracy requirement.

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6



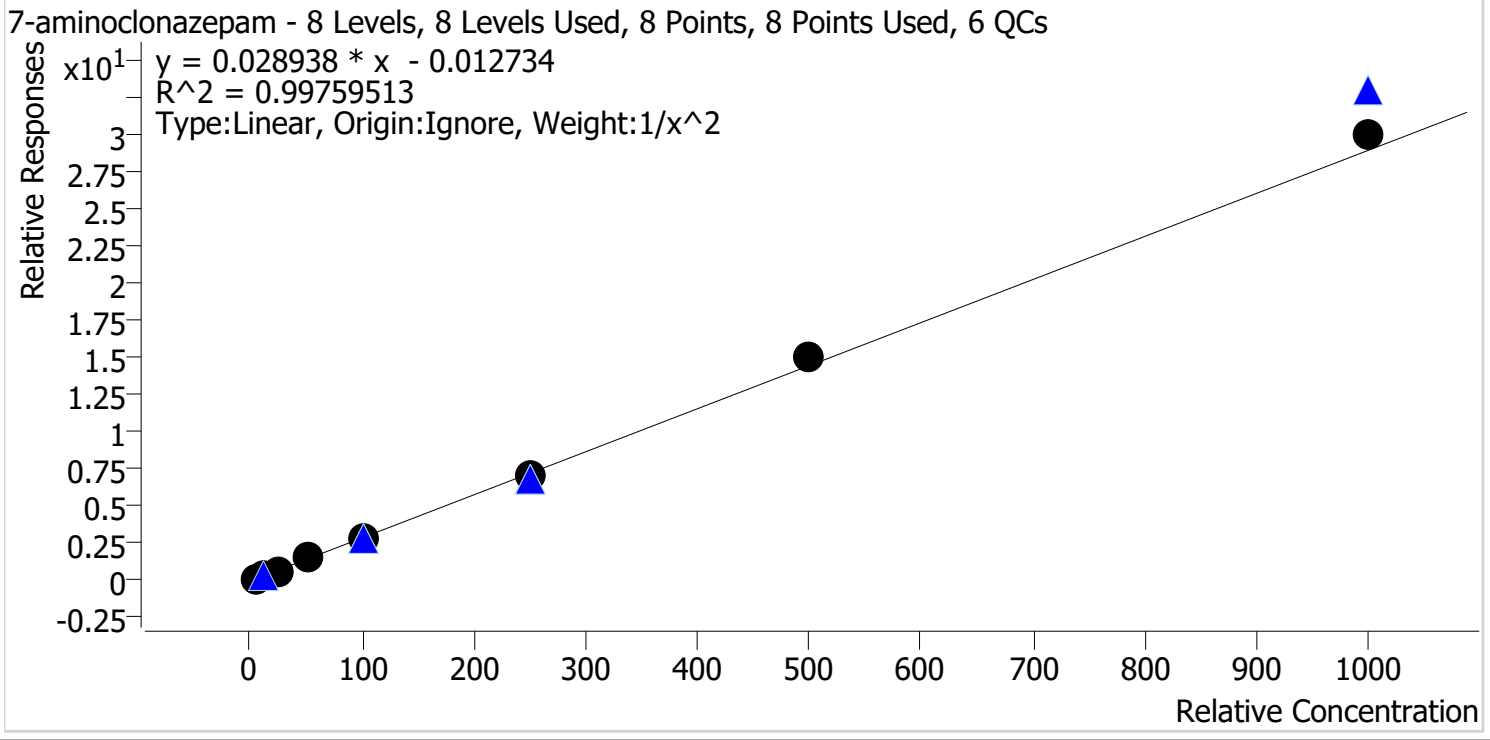
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.8
p1 Cal 2-10ng	2	✓	1.0	0.9	91.8
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.6
p1 Cal 4-50ng	4	✓	5.0	5.3	105.1
p1 Cal 5-100ng	5	✓	10.0	10.2	101.9
p1 Cal 6-250ng	6	✓	25.0	25.0	99.9
p1 Cal 7-500ng	7	✓	50.0	51.2	102.4
p1 Cal 8-1000ng	8	✓	100.0	100.5	100.5

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



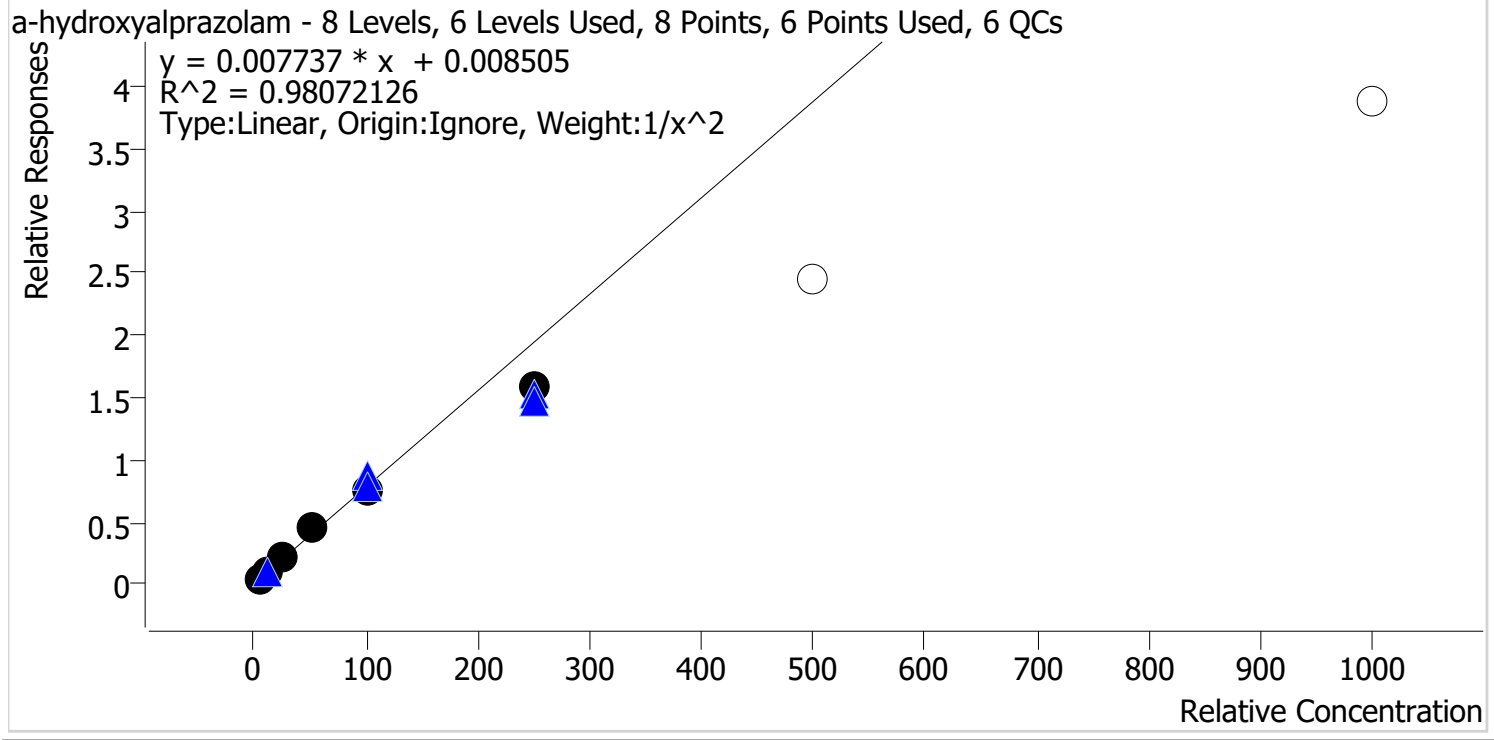
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	518.8	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1041.2	104.1

SJ G



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datator
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.1
p1 Cal 4-50ng	4	✓	50.0	56.9	113.7
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	203.4	81.3
p1 Cal 7-500ng	7	x	500.0	313.8	62.8
p1 Cal 8-1000ng	8	x	1000.0	501.2	50.1

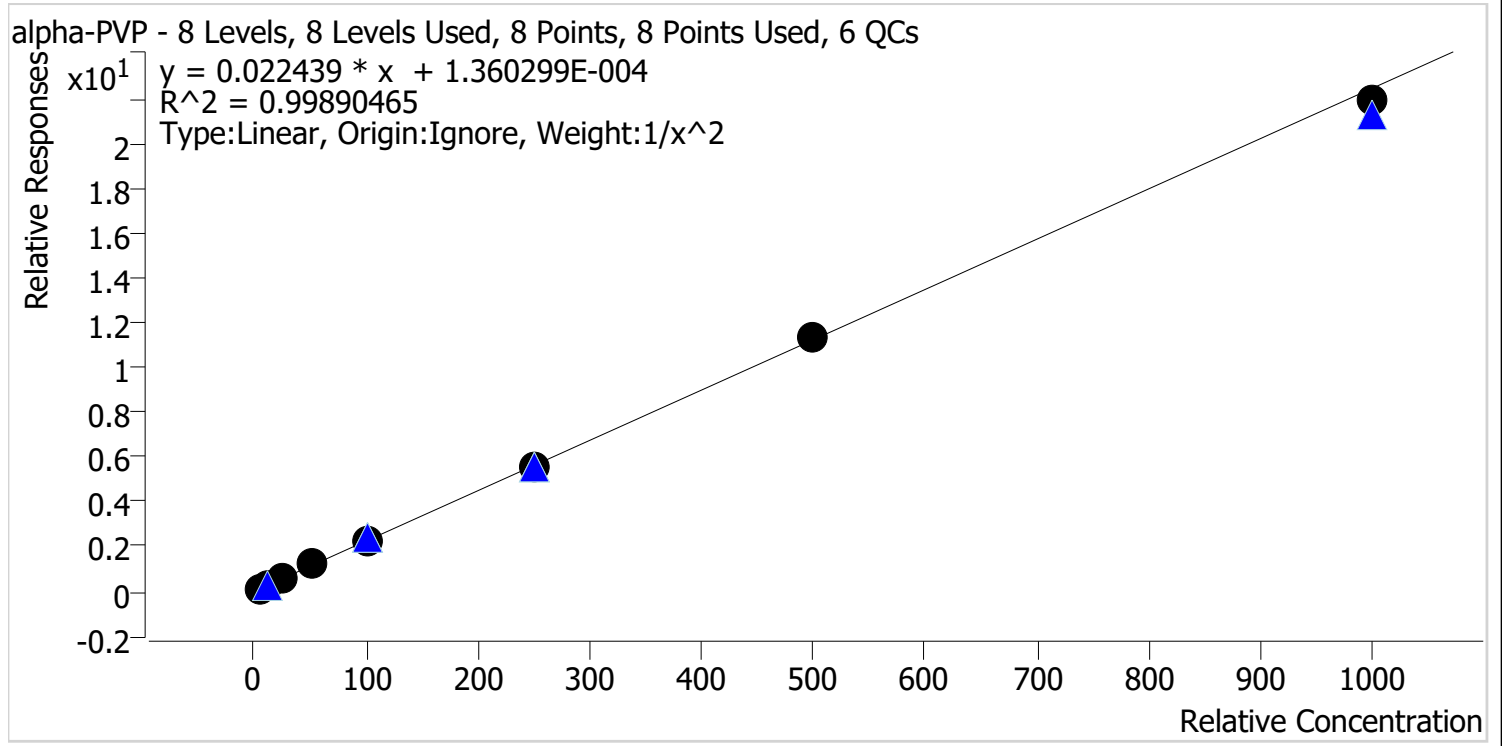
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8



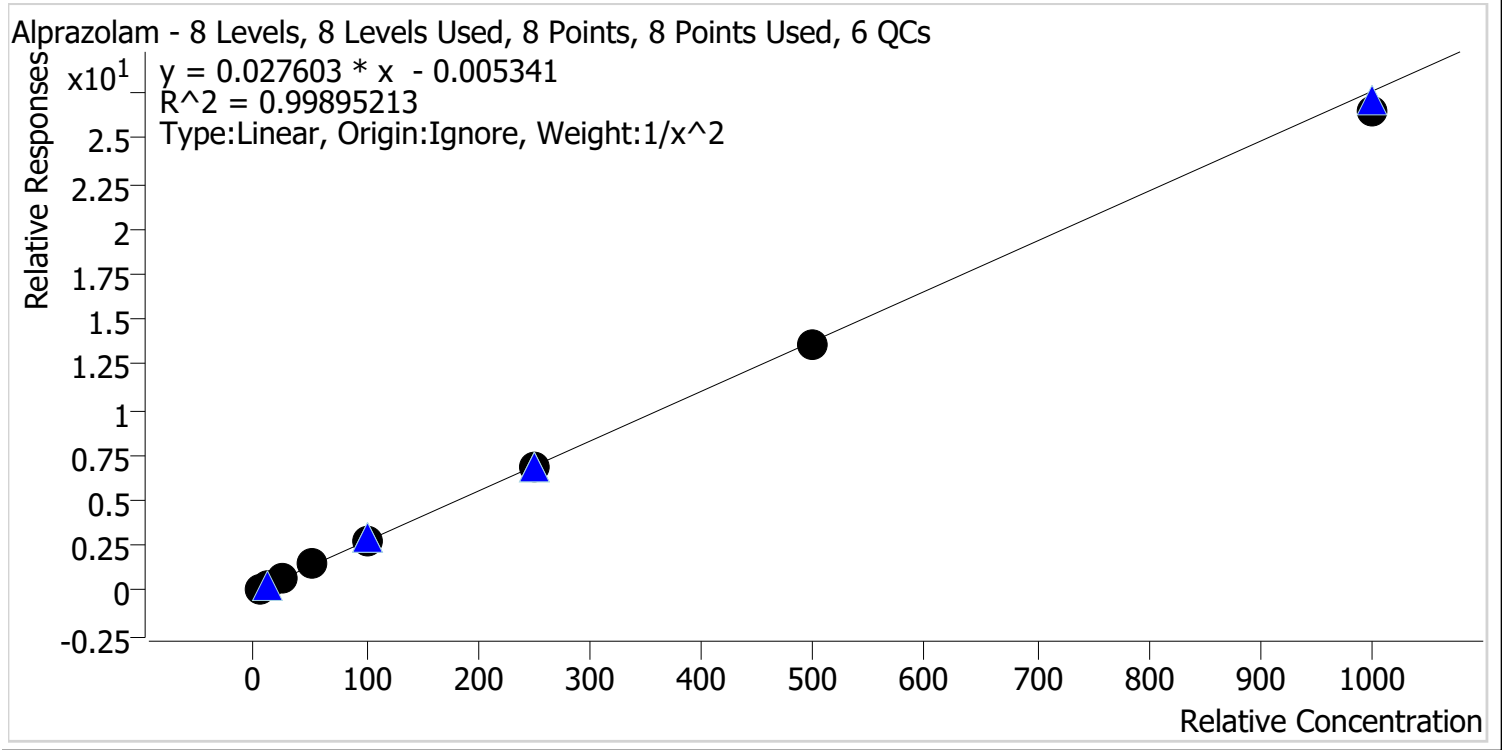
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	502.3	100.5
p1 Cal 8-1000ng	8	✓	1000.0	975.6	97.6

SJ CG



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5



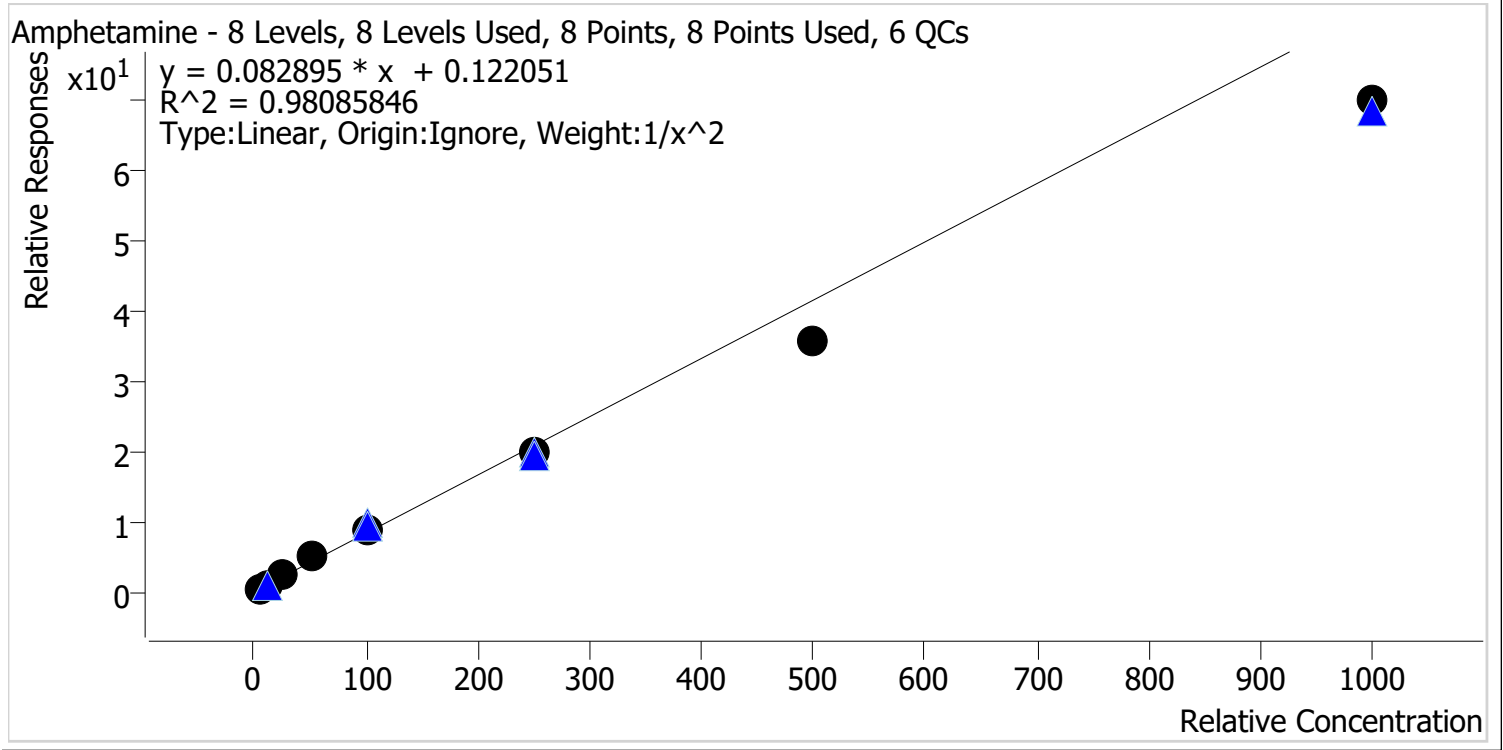
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	495.0	99.0
p1 Cal 8-1000ng	8	✓	1000.0	963.9	96.4

SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11



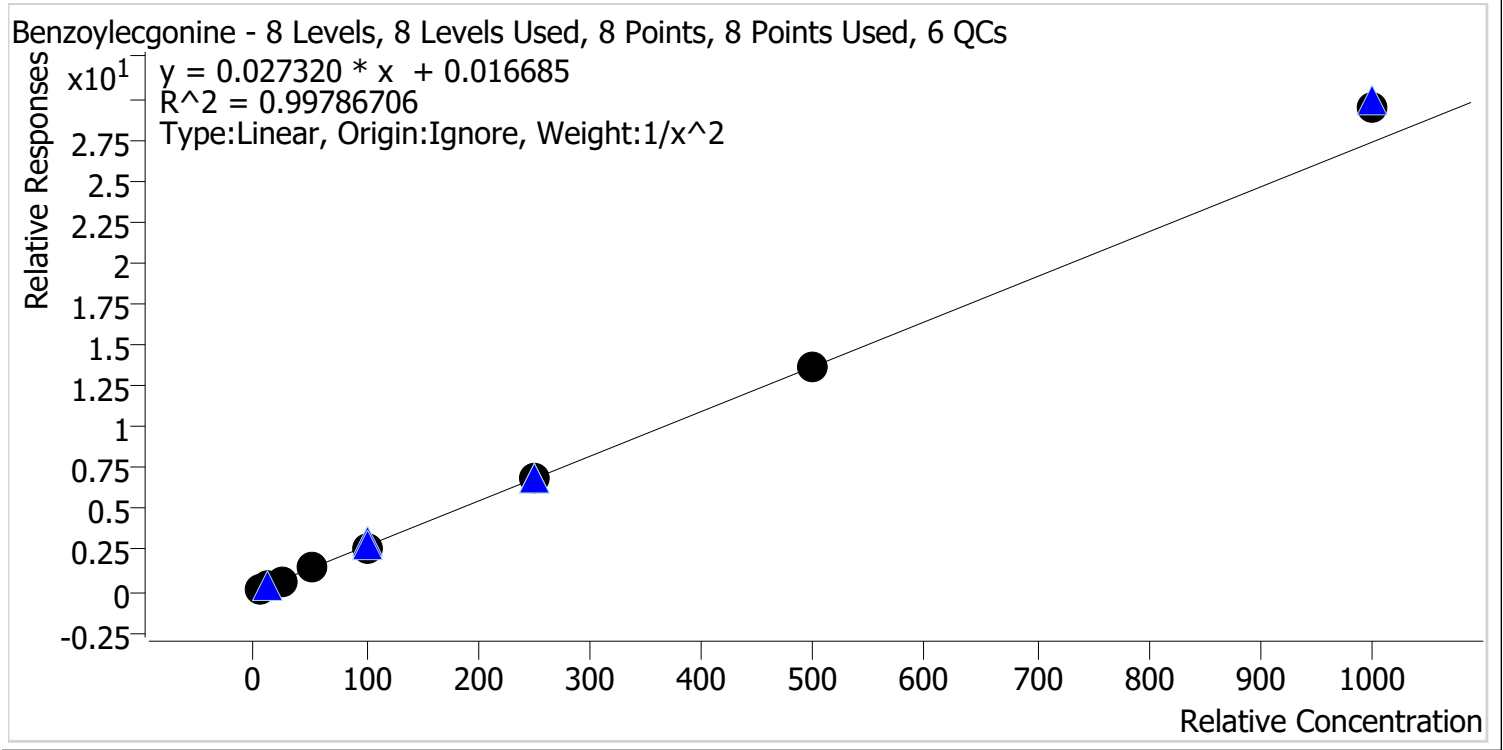
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.0
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	27.8	111.2
p1 Cal 4-50ng	4	✓	50.0	59.1	118.2
p1 Cal 5-100ng	5	✓	100.0	107.8	107.8
p1 Cal 6-250ng	6	✓	250.0	236.0	94.4
p1 Cal 7-500ng	7	✓	500.0	432.2	86.4
p1 Cal 8-1000ng	8	✓	1000.0	842.5	84.2

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



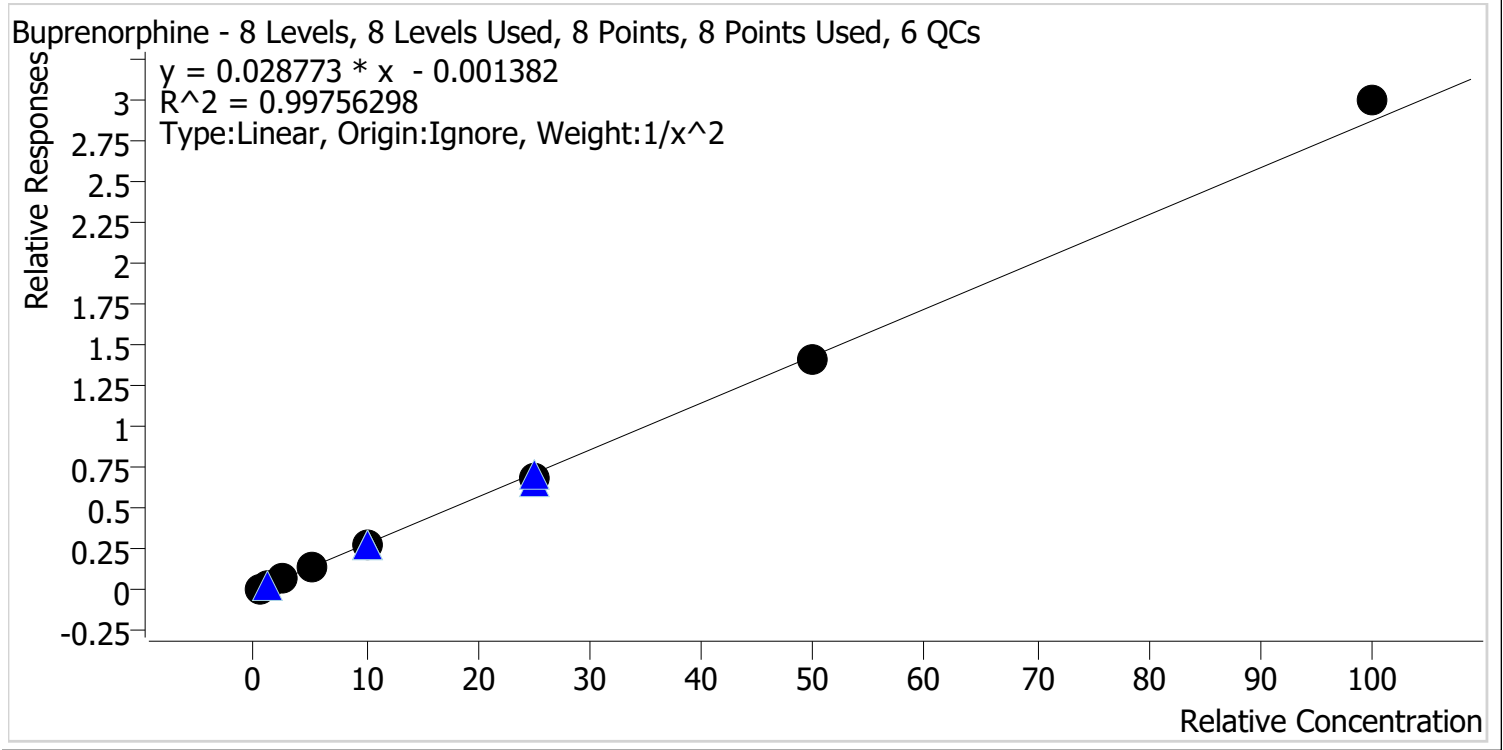
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.1
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1075.7	107.6

SJ CG



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



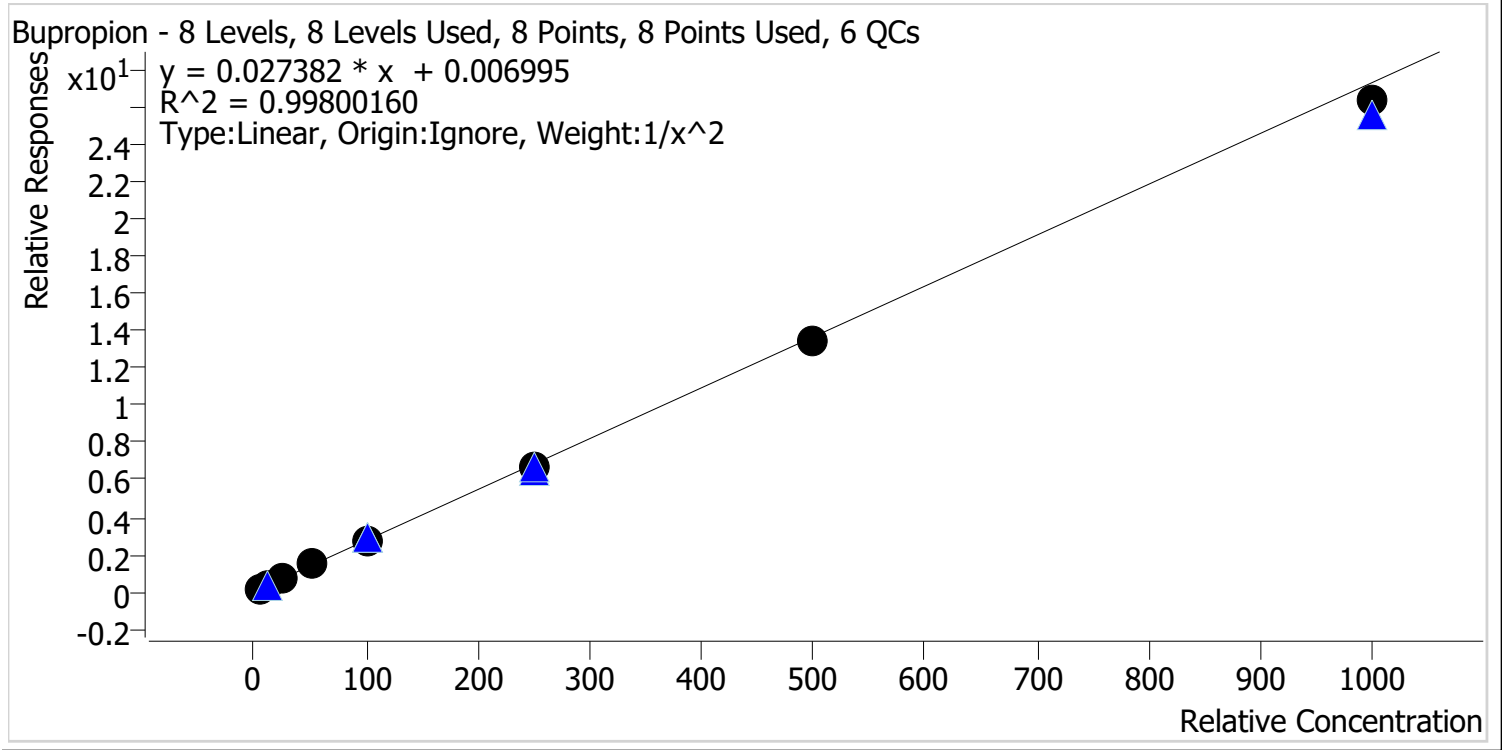
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.9
p1 Cal 2-10ng	2	✓	1.0	1.1	106.1
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.6
p1 Cal 4-50ng	4	✓	5.0	5.1	102.8
p1 Cal 5-100ng	5	✓	10.0	10.1	101.1
p1 Cal 6-250ng	6	✓	25.0	24.1	96.4
p1 Cal 7-500ng	7	✓	50.0	48.8	97.7
p1 Cal 8-1000ng	8	✓	100.0	104.3	104.3

SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



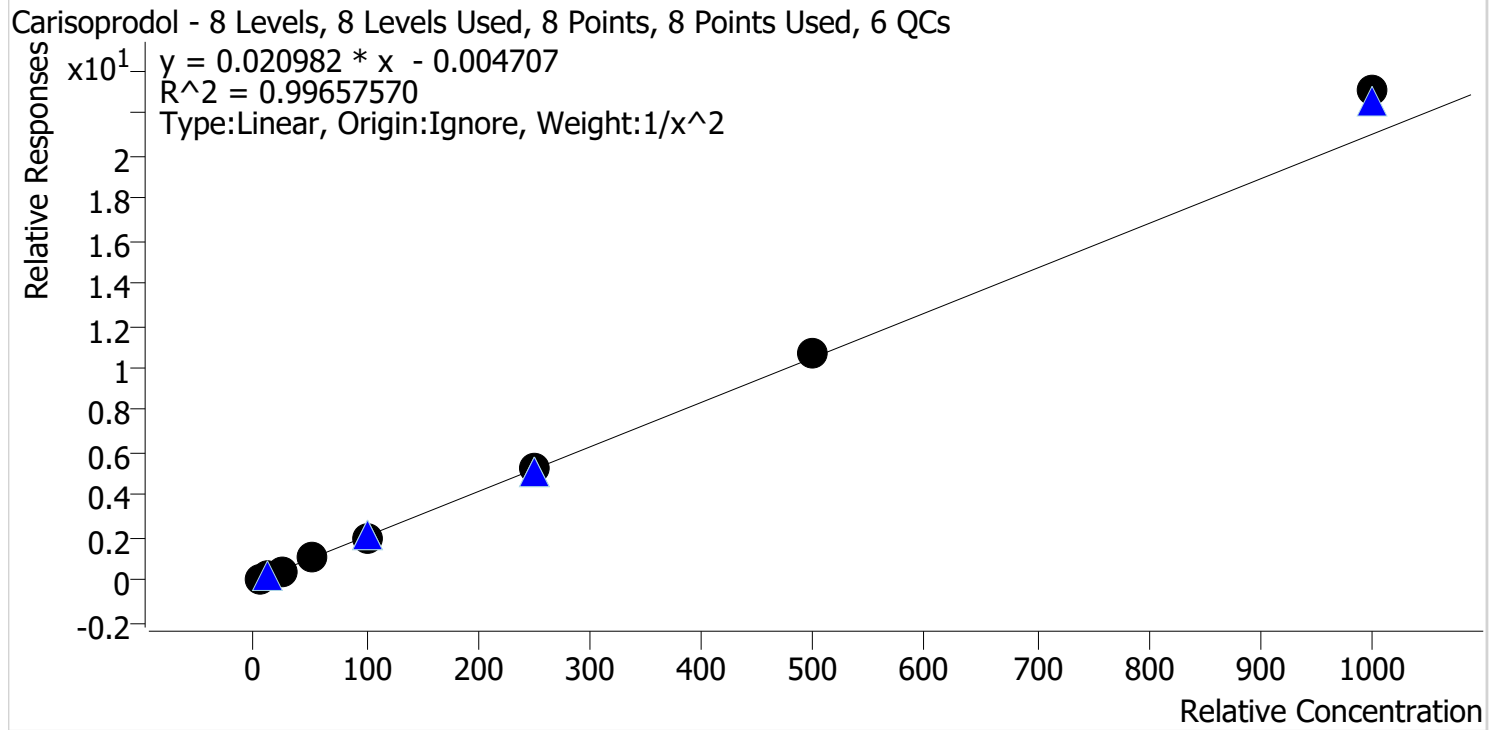
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	54.6	109.1
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	491.2	98.2
p1 Cal 8-1000ng	8	✓	1000.0	964.5	96.5

SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



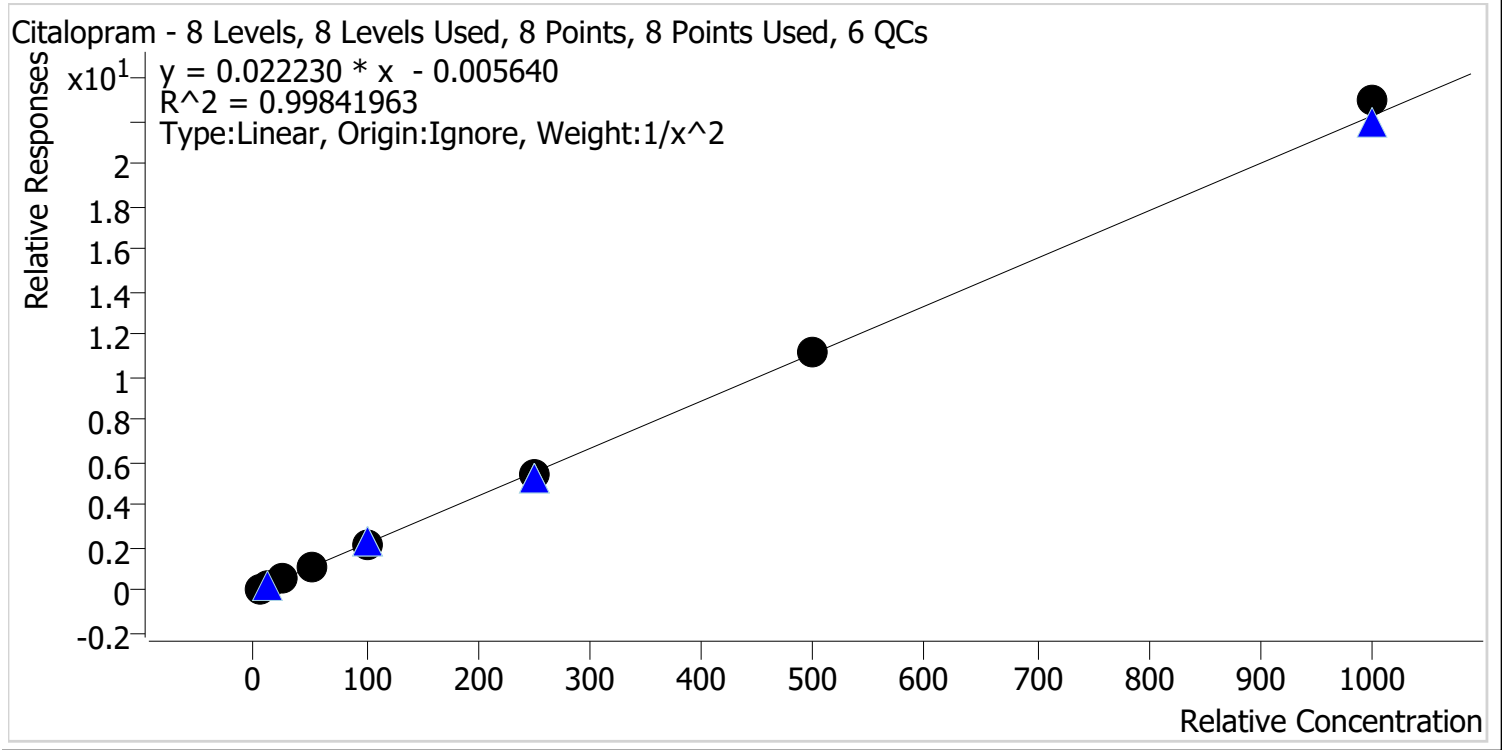
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.5	95.5
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	94.7	94.7
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	511.3	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1097.7	109.8

SJ CG



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



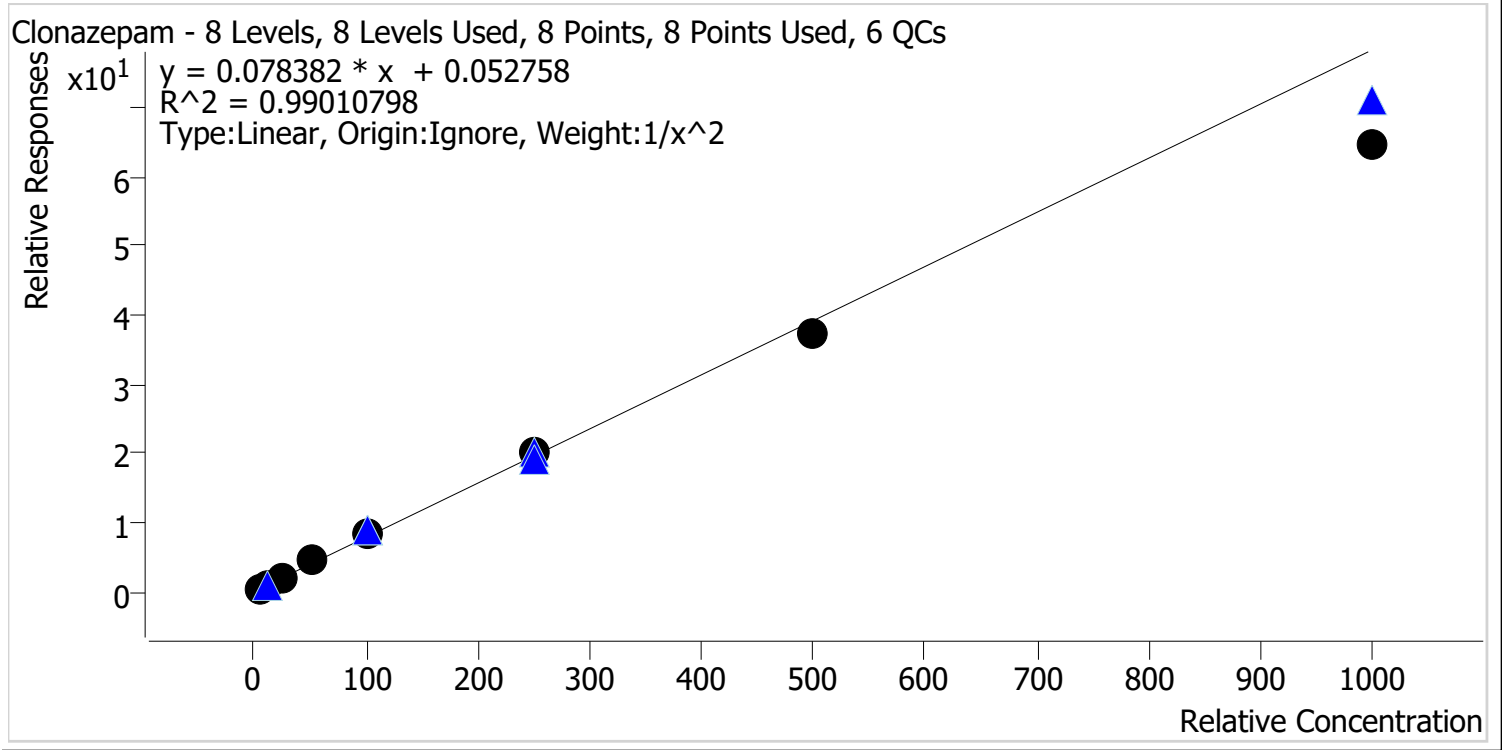
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	243.9	97.6
p1 Cal 7-500ng	7	✓	500.0	504.8	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1032.0	103.2

SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



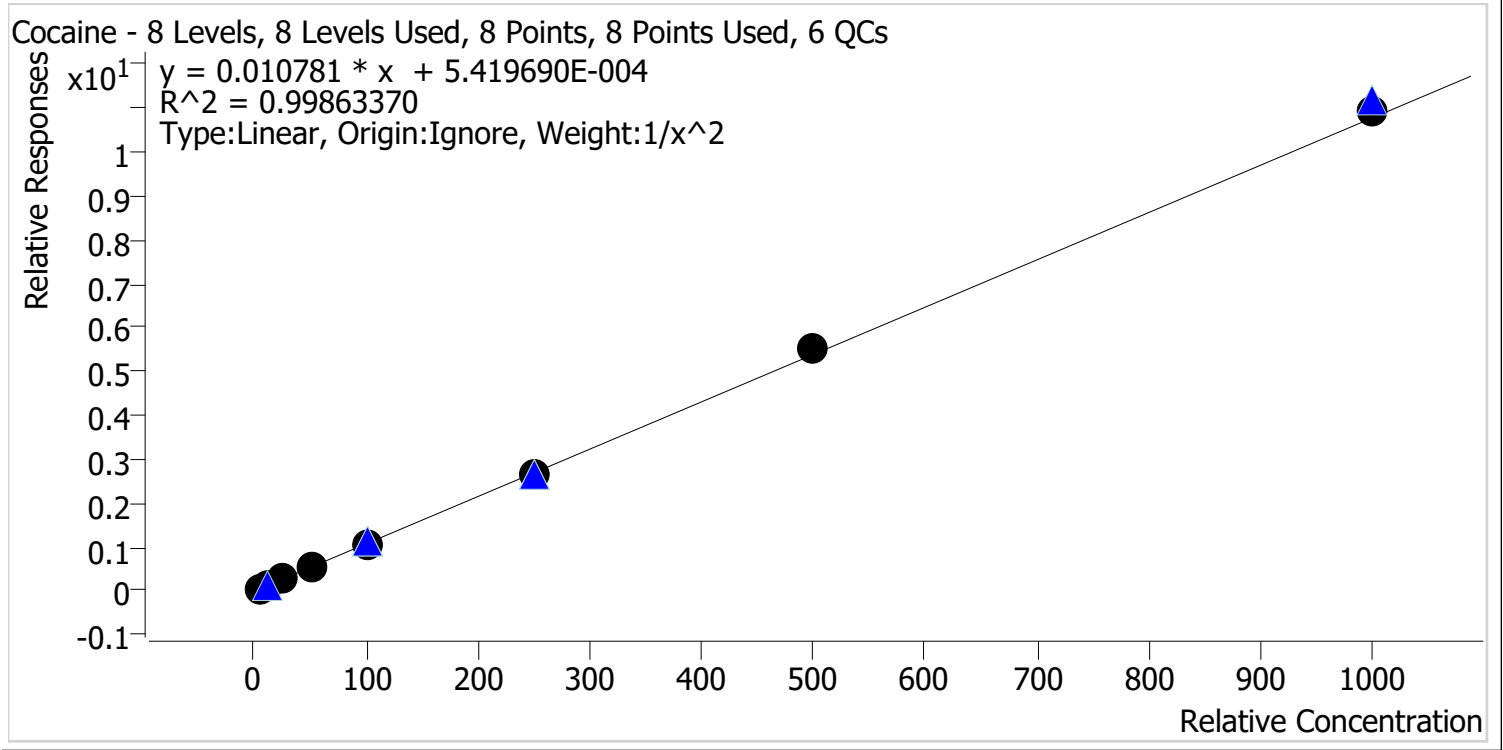
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	56.2	112.4
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	257.4	103.0
p1 Cal 7-500ng	7	✓	500.0	476.1	95.2
p1 Cal 8-1000ng	8	✓	1000.0	828.0	82.8

SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-d3



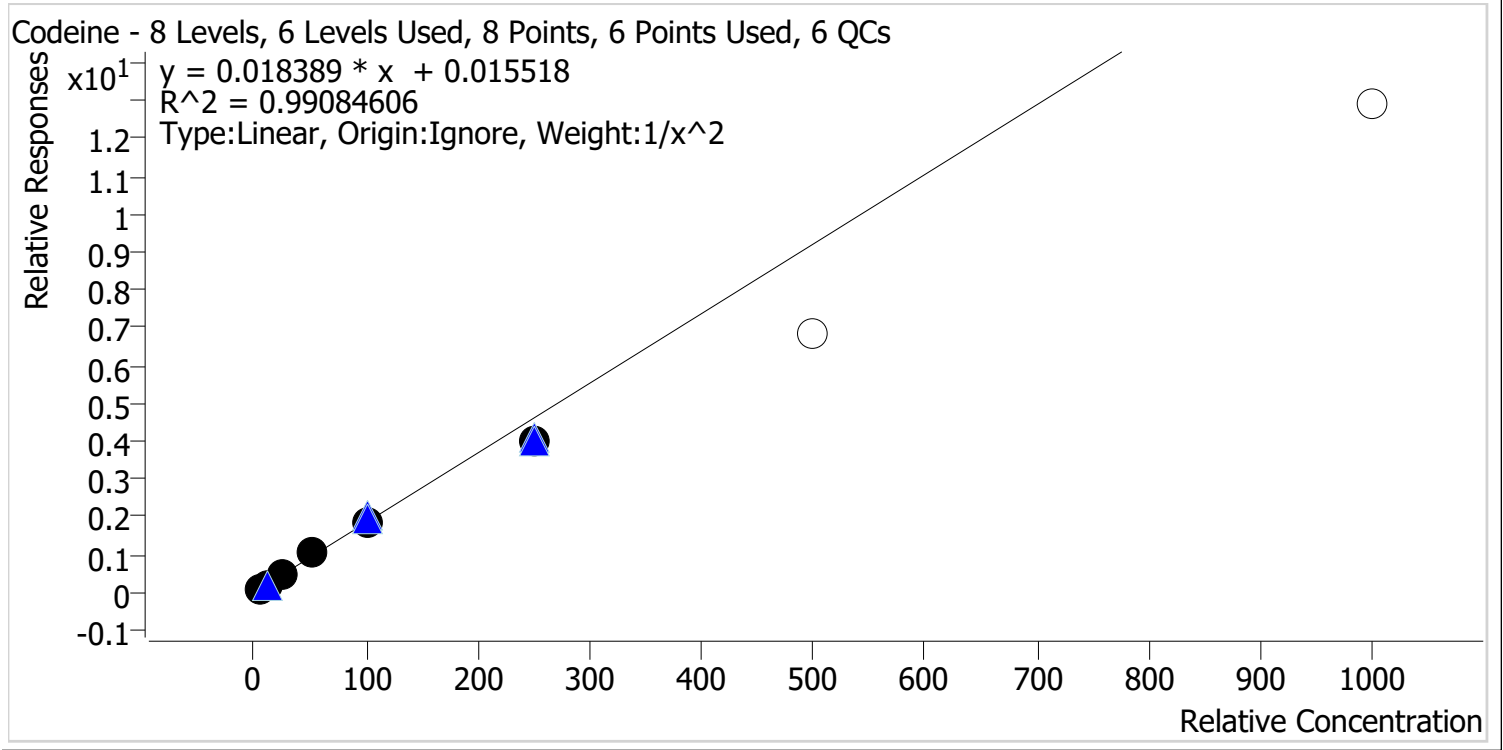
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	52.1	104.3
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	513.8	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1017.5	101.8

SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	55.4	110.8
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	217.8	87.1
p1 Cal 7-500ng	7	x	500.0	373.9	74.8
p1 Cal 8-1000ng	8	x	1000.0	700.0	70.0

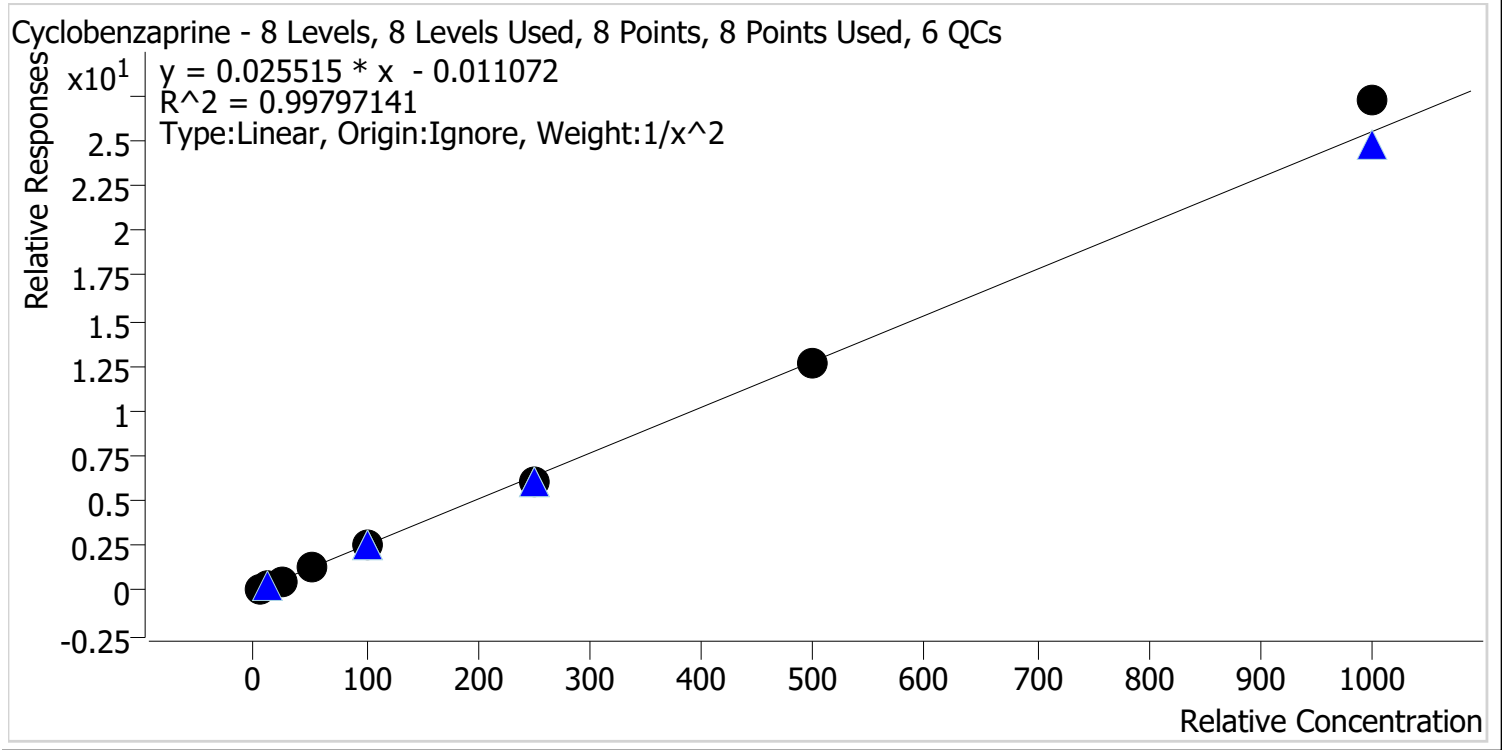
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



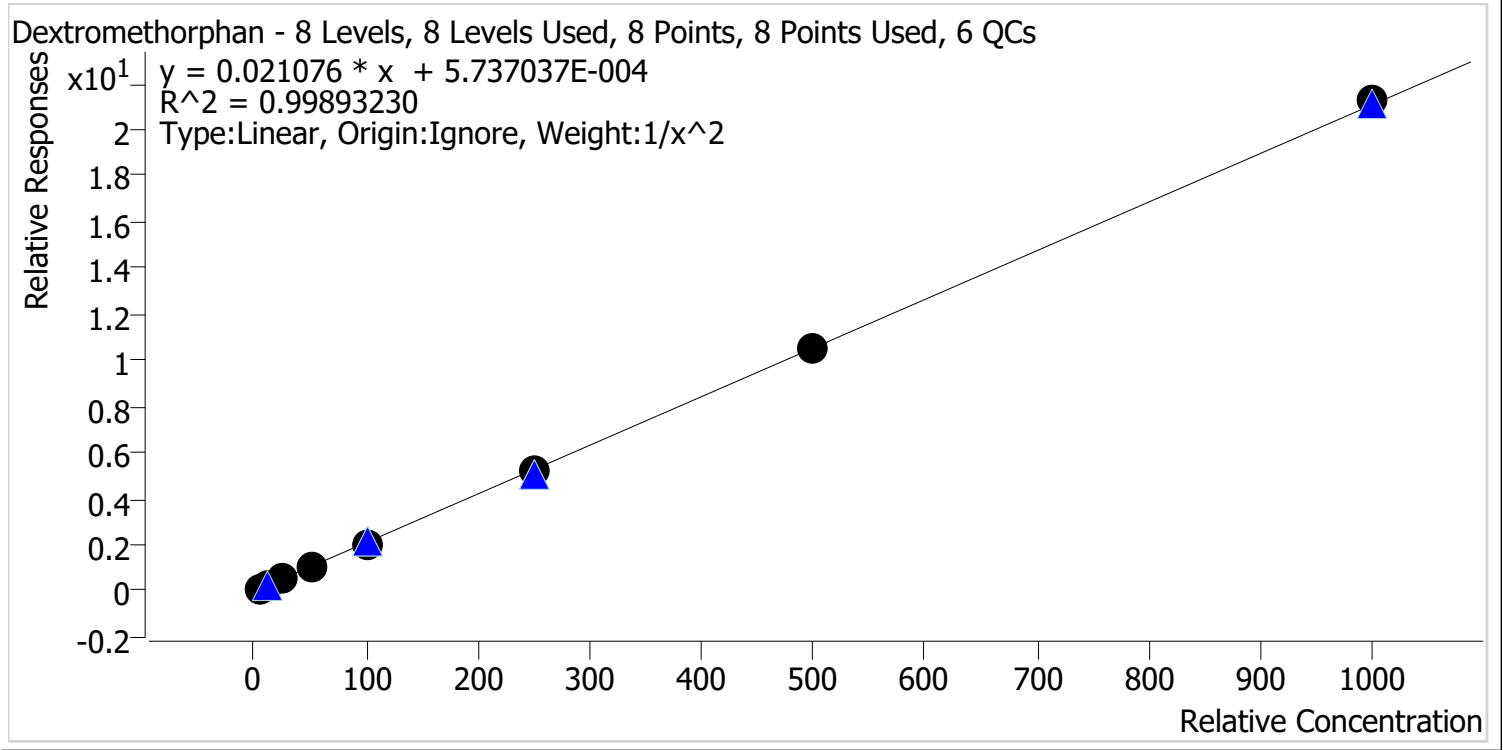
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	236.2	94.5
p1 Cal 7-500ng	7	✓	500.0	498.4	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1067.5	106.7

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3



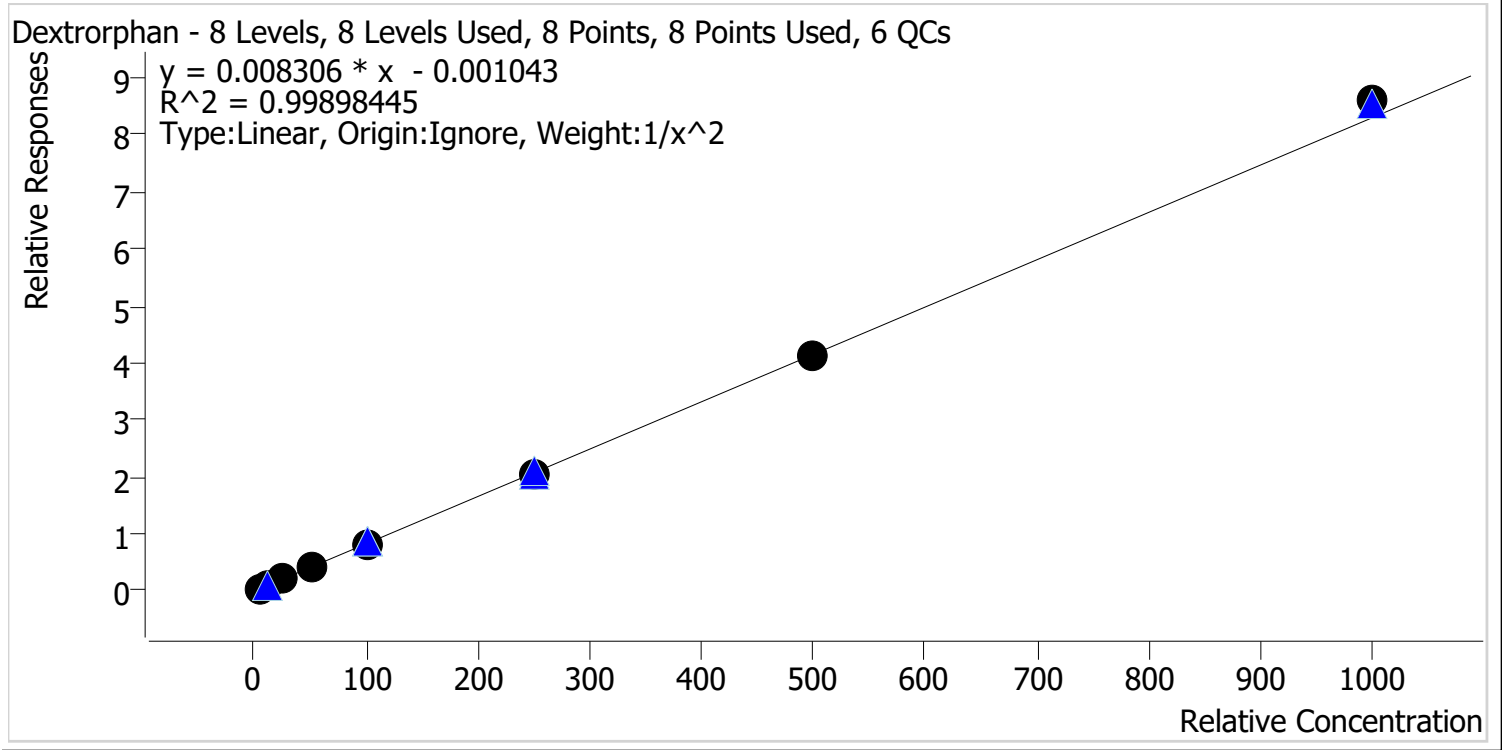
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	53.2	106.3
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	247.4	98.9
p1 Cal 7-500ng	7	✓	500.0	496.3	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1008.7	100.9

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3



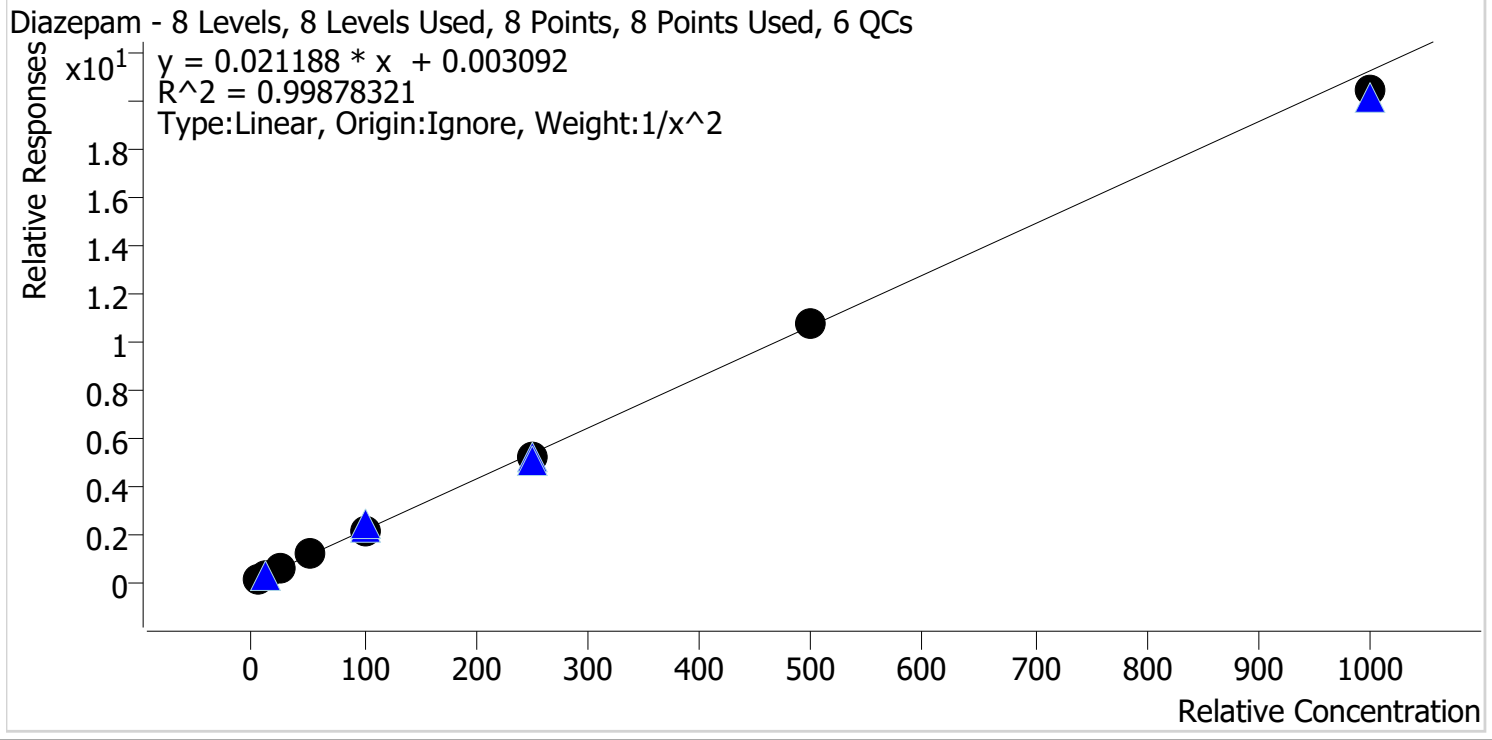
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.2
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1036.3	103.6

SJ G



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



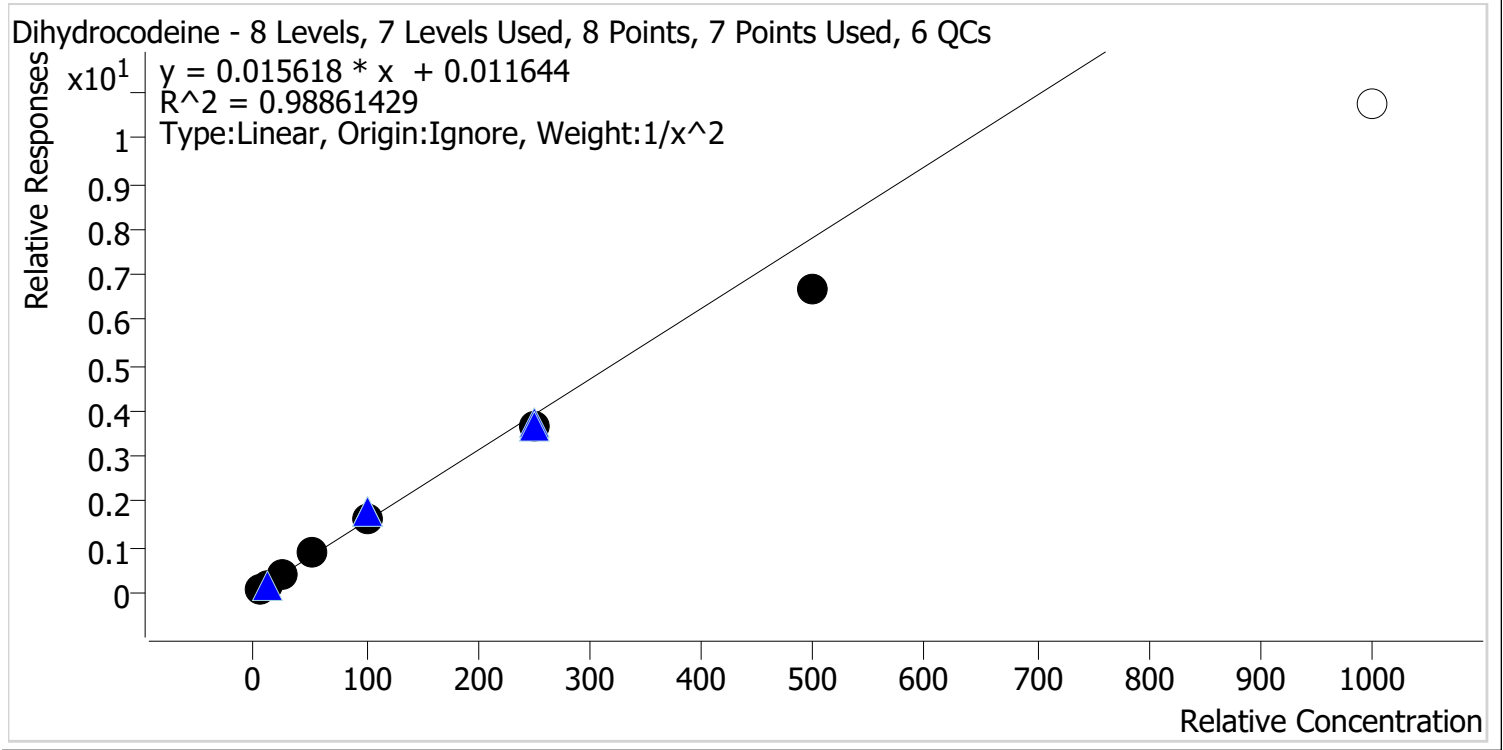
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	245.1	98.0
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	961.0	96.1

SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	56.6	113.2
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	234.6	93.8
p1 Cal 7-500ng	7	✓	500.0	425.7	85.1
p1 Cal 8-1000ng	8	✗	1000.0	687.4	68.7

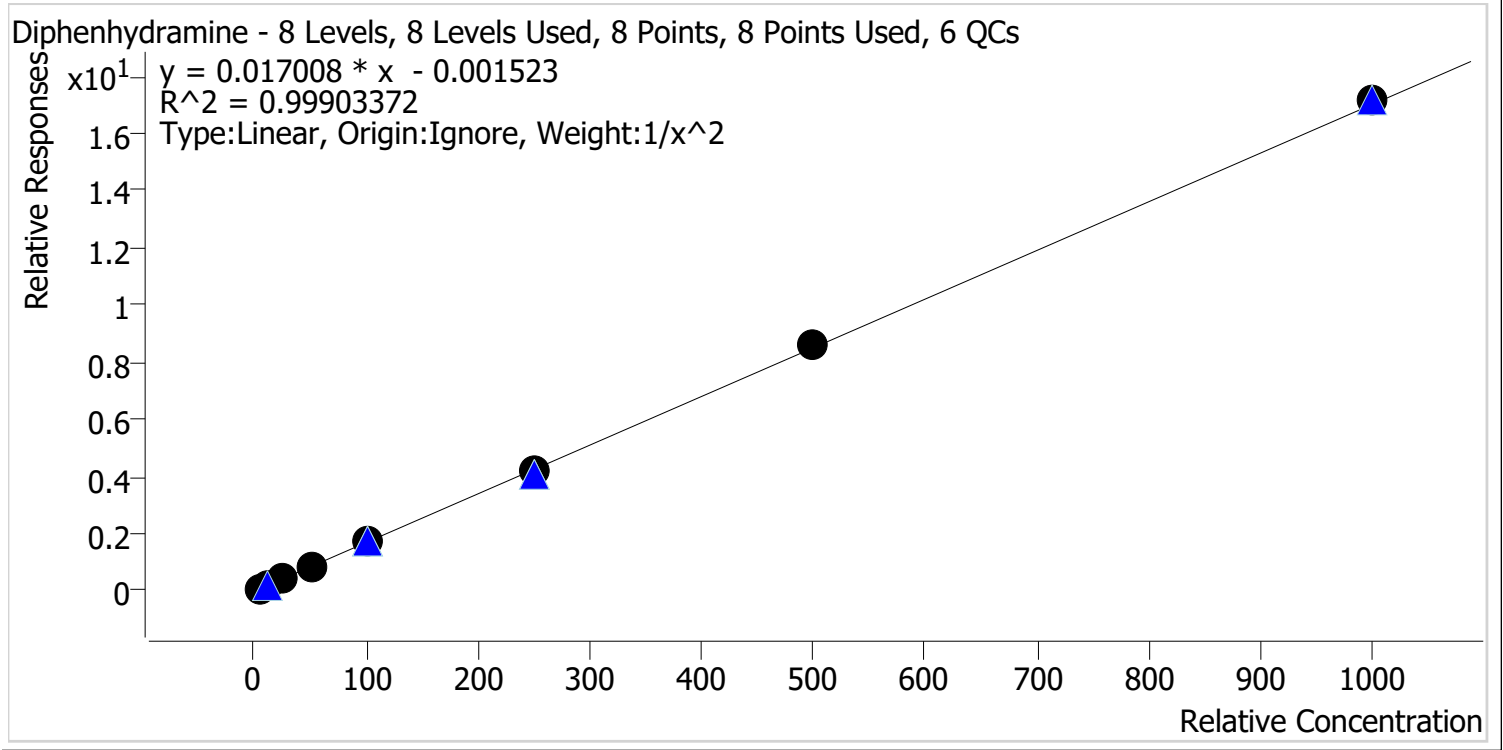
Calibrator 8 dropped due to not meeting accuracy requirement.

SJ
Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3



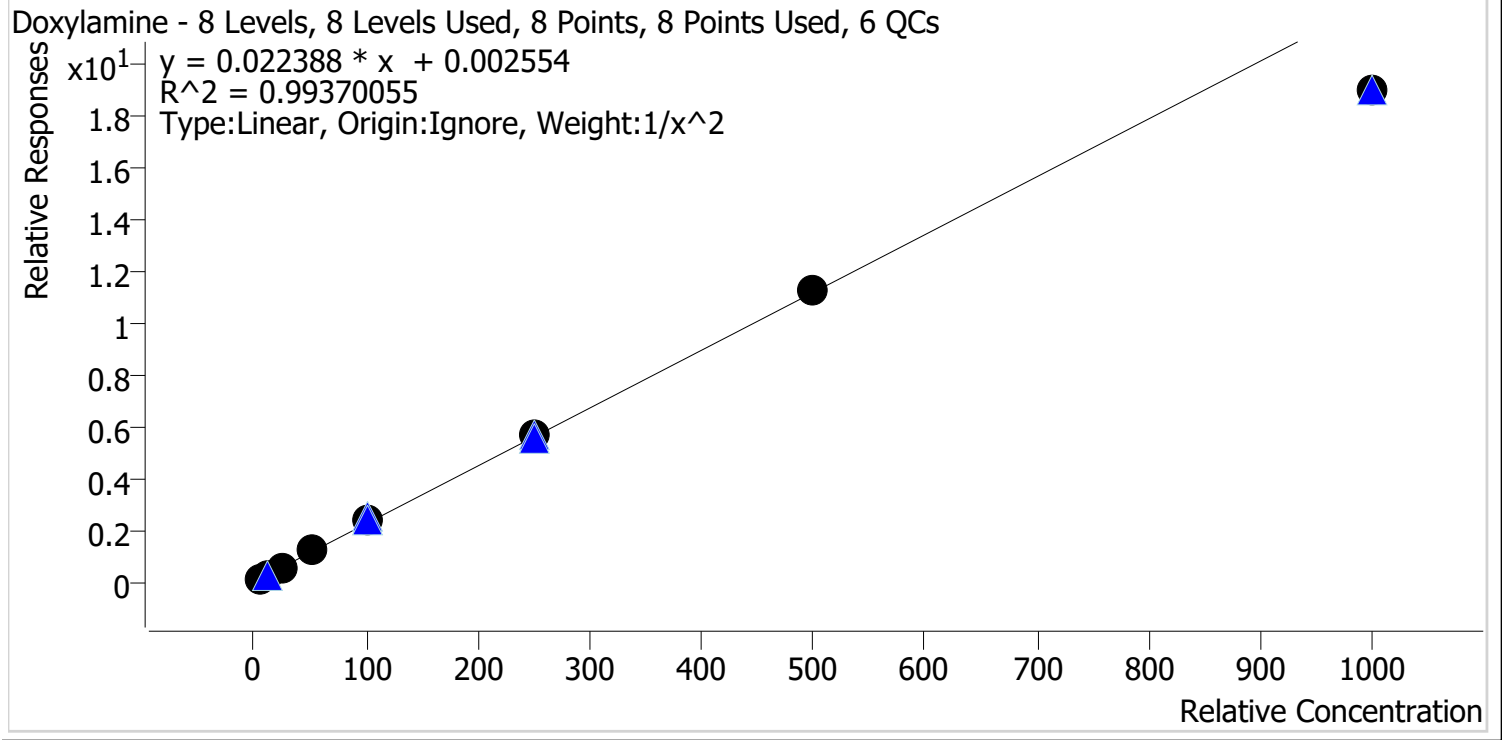
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	509.3	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1007.7	100.8

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 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	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	256.5	102.6
p1 Cal 7-500ng	7	✓	500.0	502.8	100.6
p1 Cal 8-1000ng	8	✓	1000.0	849.0	84.9

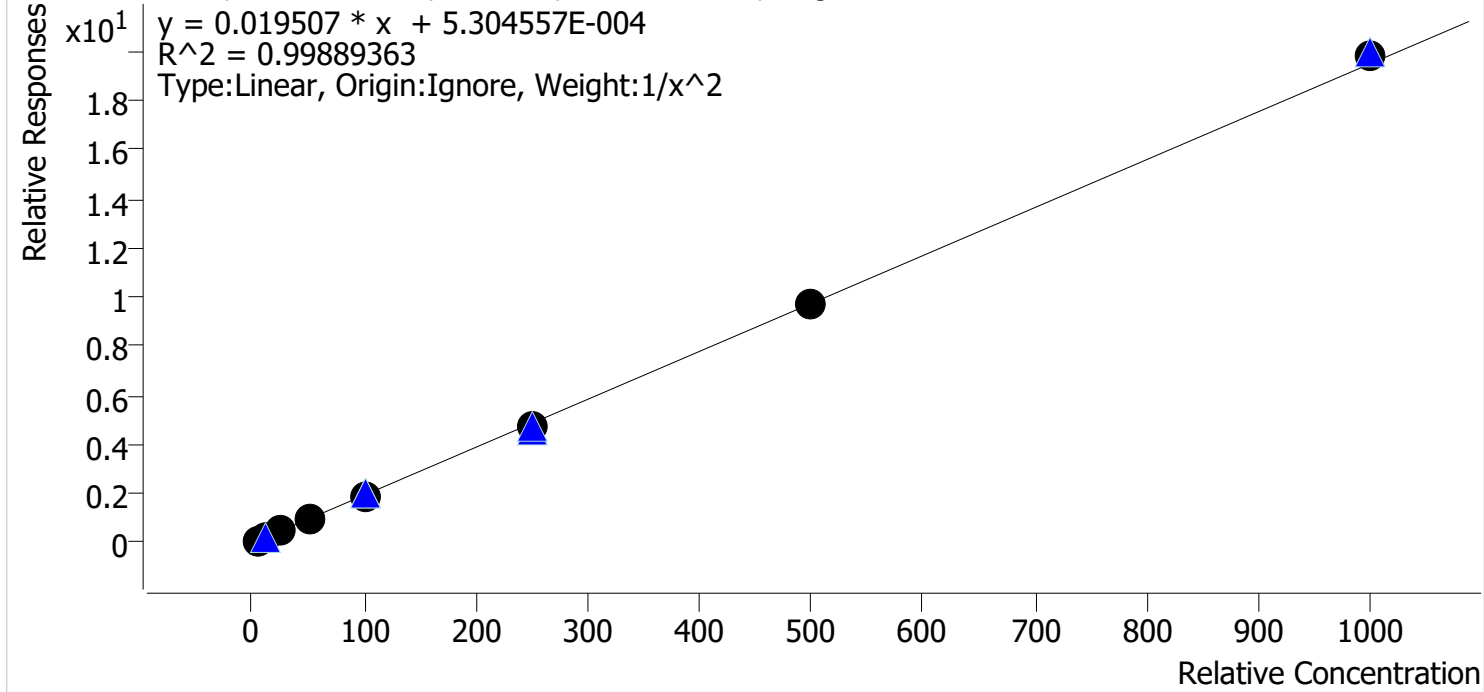
SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte EDDP **Internal Standard** EDDP-D3

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



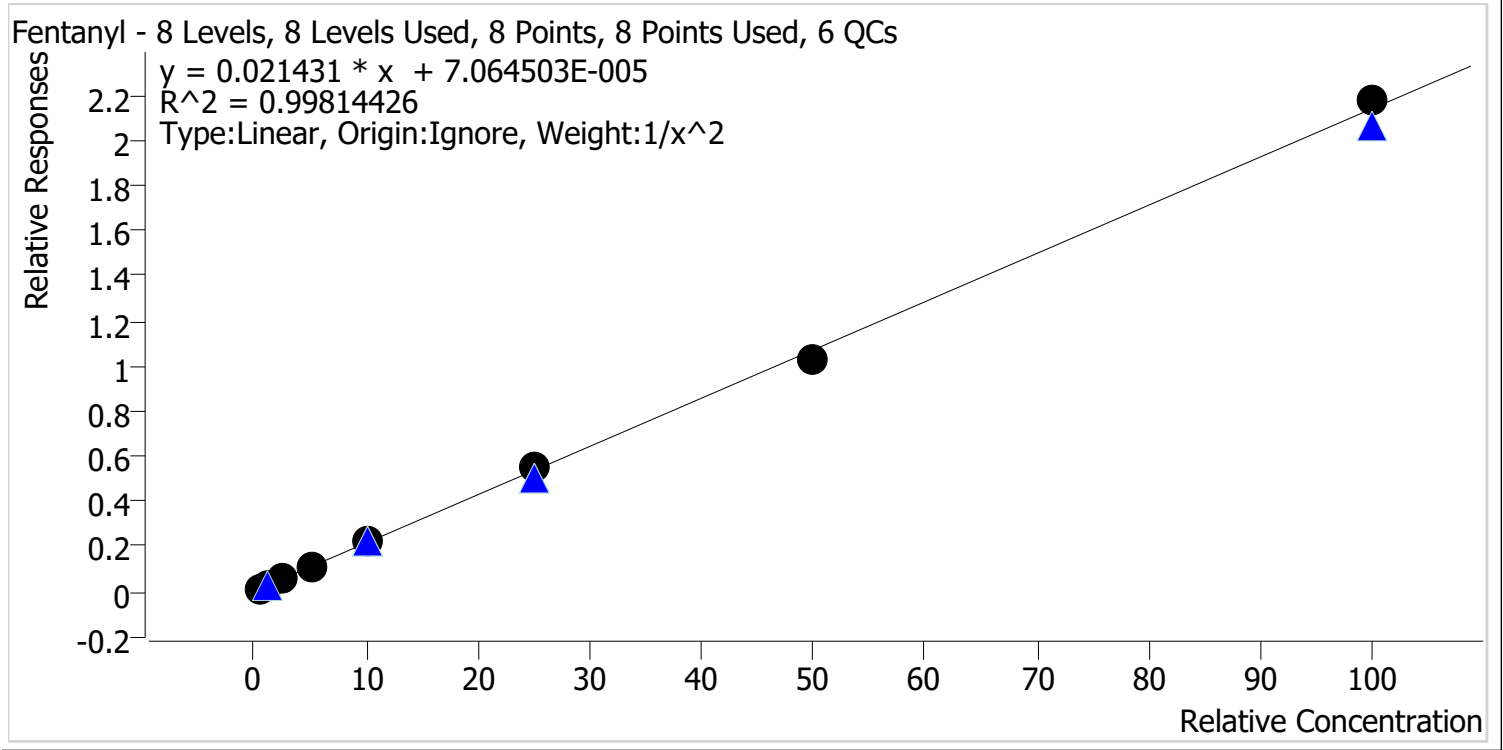
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	244.6	97.9
p1 Cal 7-500ng	7	✓	500.0	502.0	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1015.2	101.5

SJ CG



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5



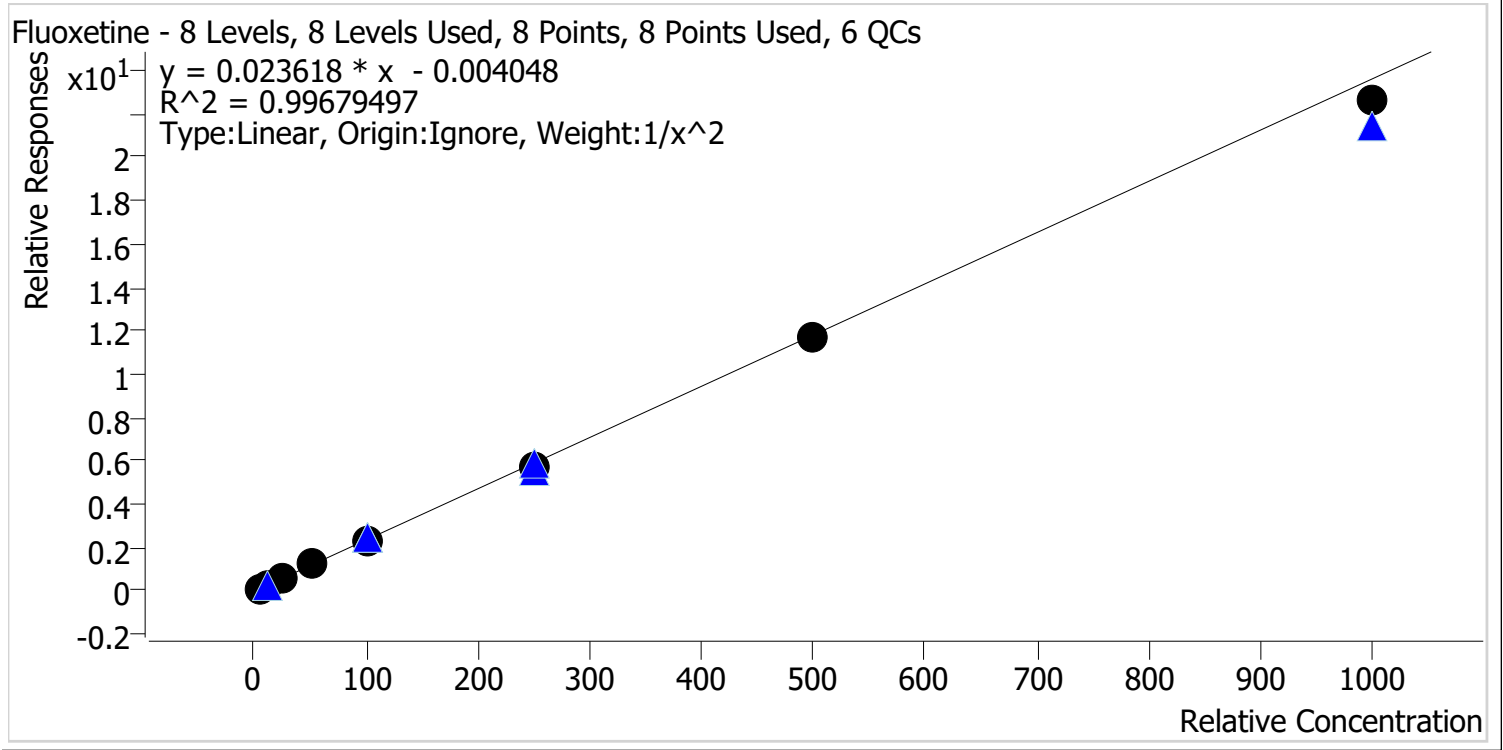
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.9
p1 Cal 2-10ng	2	✓	1.0	1.0	97.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.6
p1 Cal 4-50ng	4	✓	5.0	5.3	105.5
p1 Cal 5-100ng	5	✓	10.0	10.0	100.4
p1 Cal 6-250ng	6	✓	25.0	25.7	102.9
p1 Cal 7-500ng	7	✓	50.0	47.9	95.9
p1 Cal 8-1000ng	8	✓	100.0	101.7	101.7

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



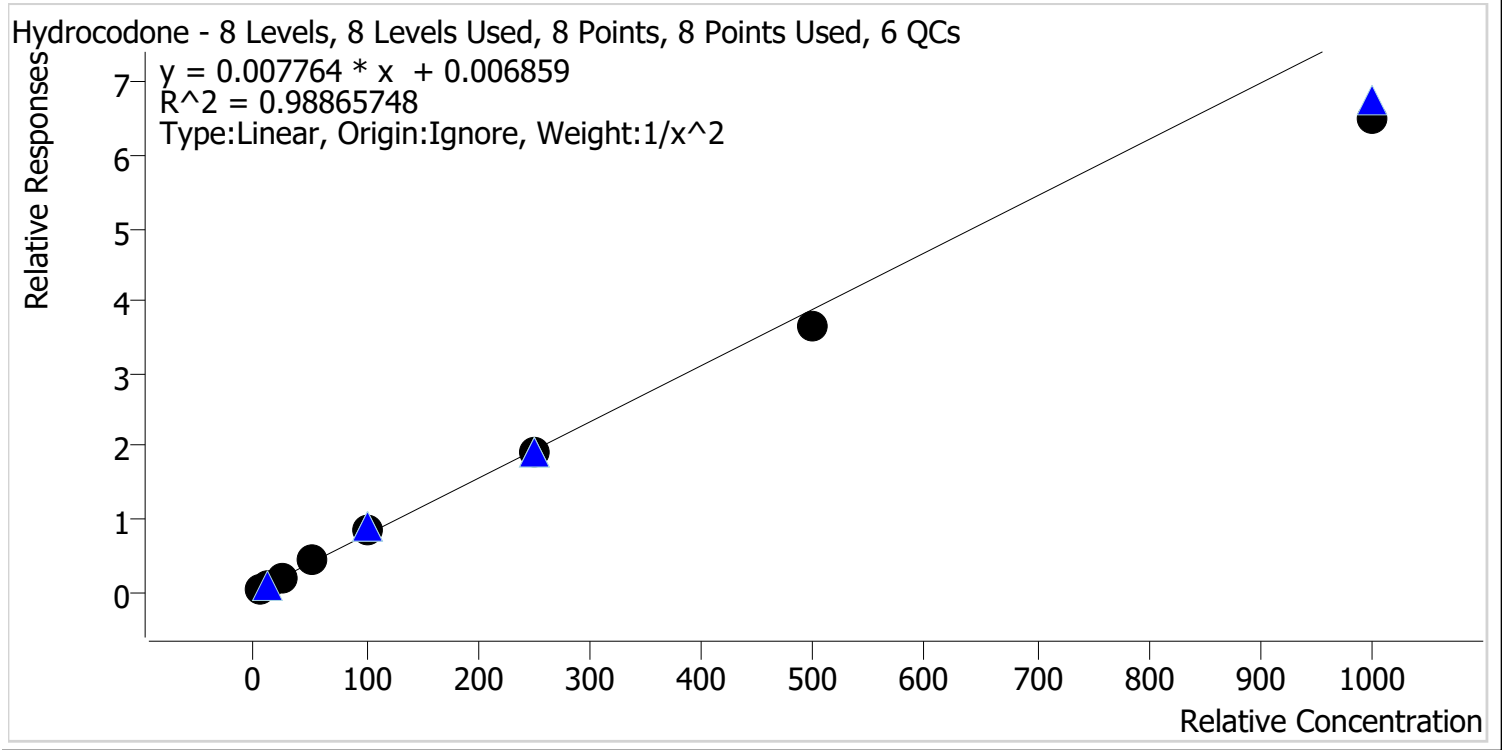
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.6	106.4
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	240.0	96.0
p1 Cal 7-500ng	7	✓	500.0	492.8	98.6
p1 Cal 8-1000ng	8	✓	1000.0	957.7	95.8

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



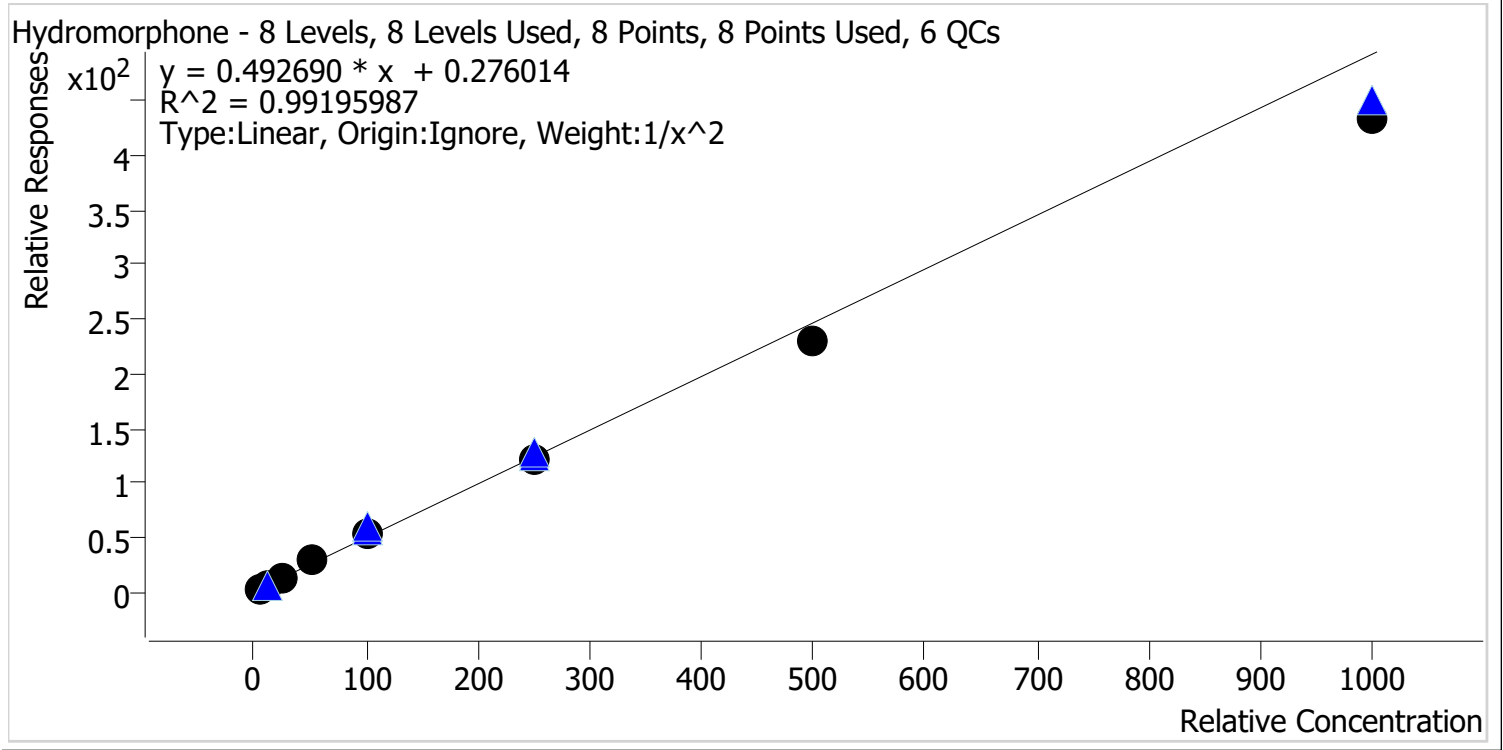
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.6
p1 Cal 2-10ng	2	✓	10.0	10.7	107.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	56.1	112.2
p1 Cal 5-100ng	5	✓	100.0	107.6	107.6
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	468.7	93.7
p1 Cal 8-1000ng	8	✓	1000.0	834.3	83.4

SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datator
Analyte Hydromorphone **Internal Standard** Morphine-D6



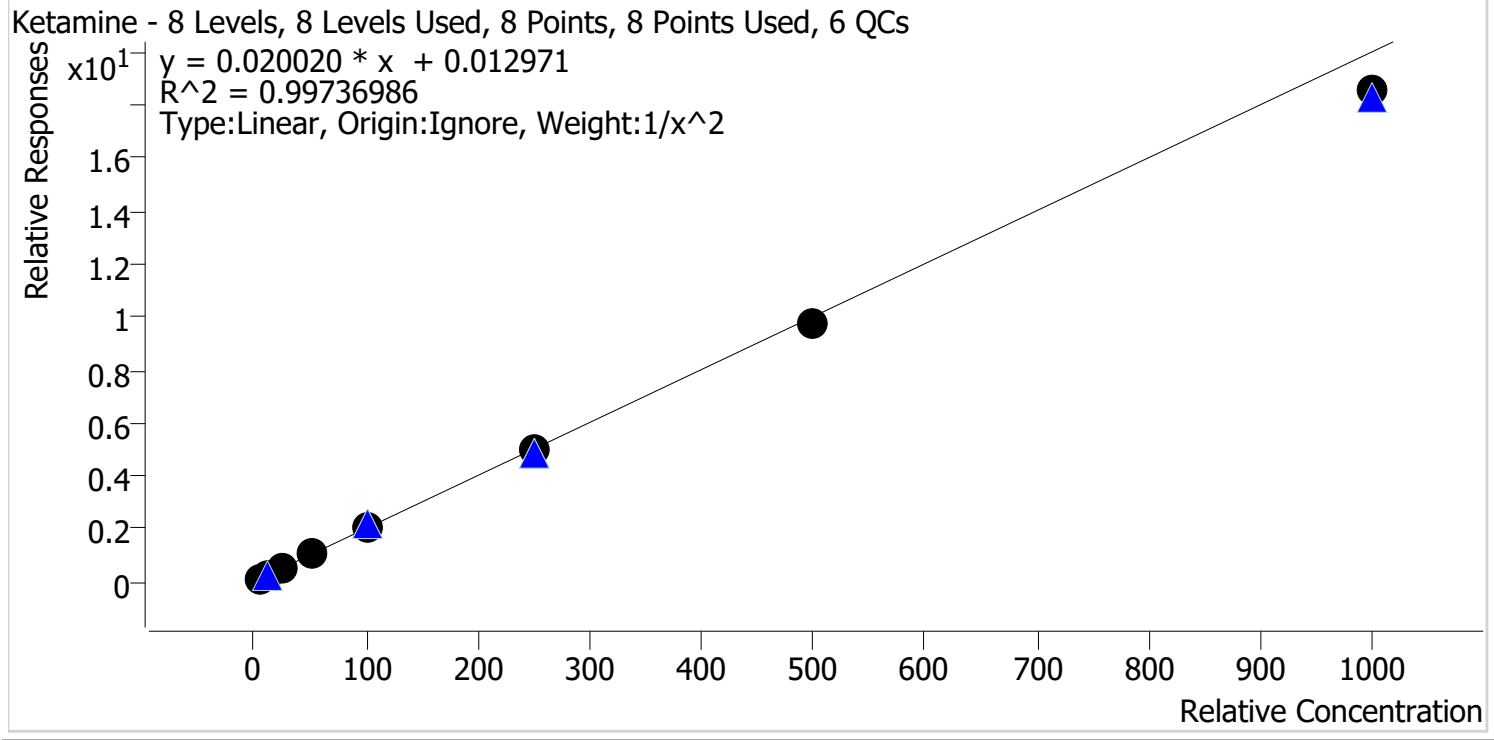
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	56.9	113.7
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	464.1	92.8
p1 Cal 8-1000ng	8	✓	1000.0	882.7	88.3

SJ G



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



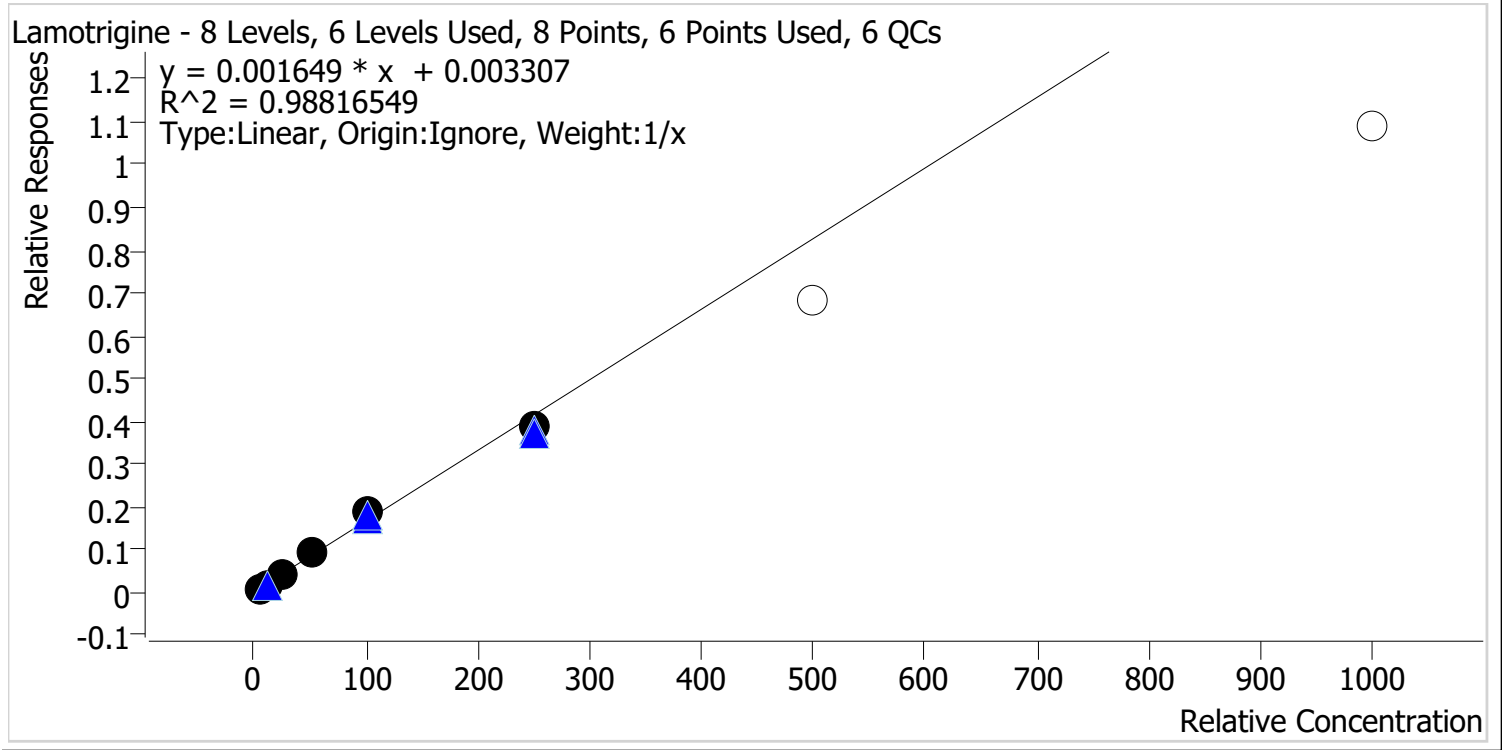
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	54.2	108.5
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	487.9	97.6
p1 Cal 8-1000ng	8	✓	1000.0	926.7	92.7

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.8	75.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.4
p1 Cal 4-50ng	4	✓	50.0	57.9	115.8
p1 Cal 5-100ng	5	✓	100.0	110.9	110.9
p1 Cal 6-250ng	6	✓	250.0	231.5	92.6
p1 Cal 7-500ng	7	x	500.0	410.5	82.1
p1 Cal 8-1000ng	8	x	1000.0	659.3	65.9

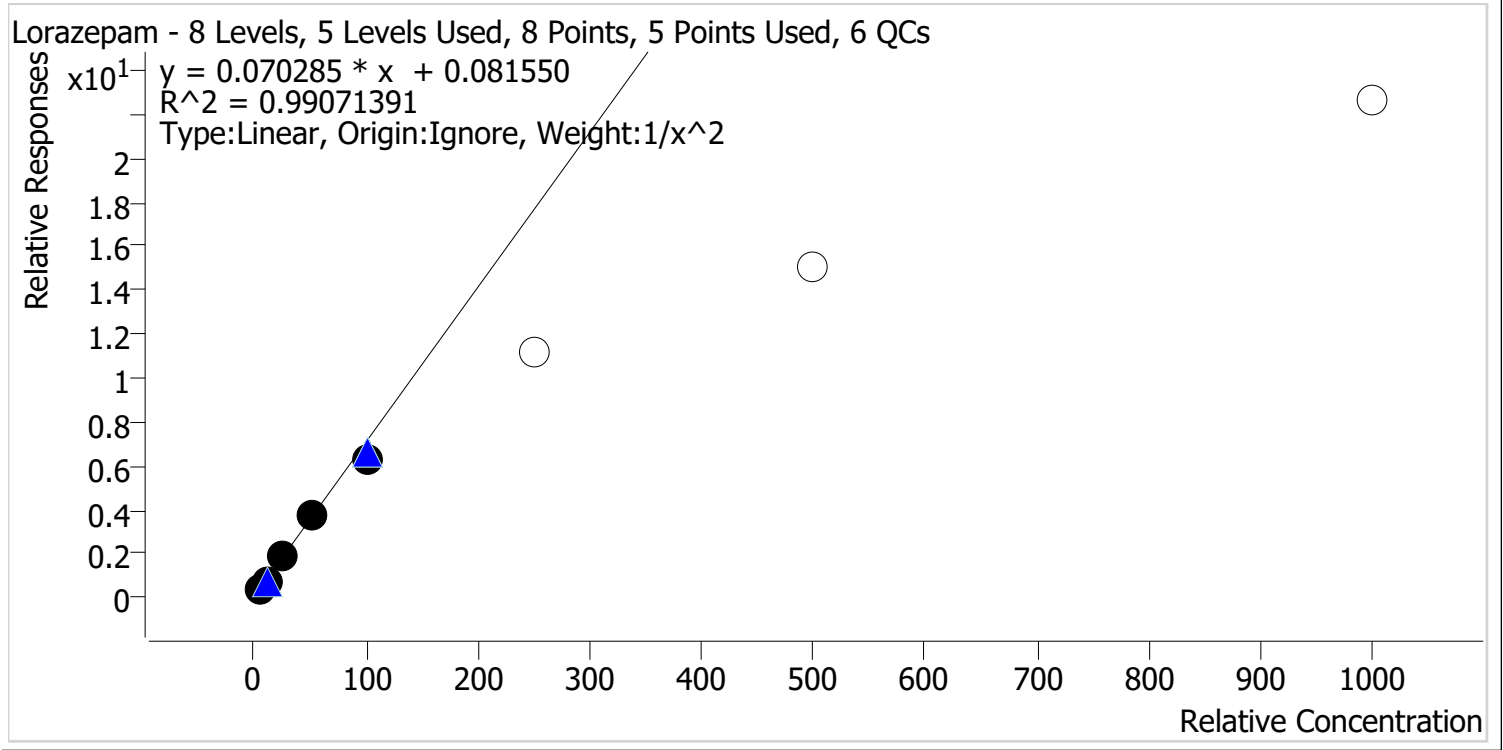
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	53.4	106.9
p1 Cal 5-100ng	5	✓	100.0	88.2	88.2
p1 Cal 6-250ng	6	✗	250.0	157.8	63.1
p1 Cal 7-500ng	7	✗	500.0	212.0	42.4
p1 Cal 8-1000ng	8	✗	1000.0	320.6	32.1

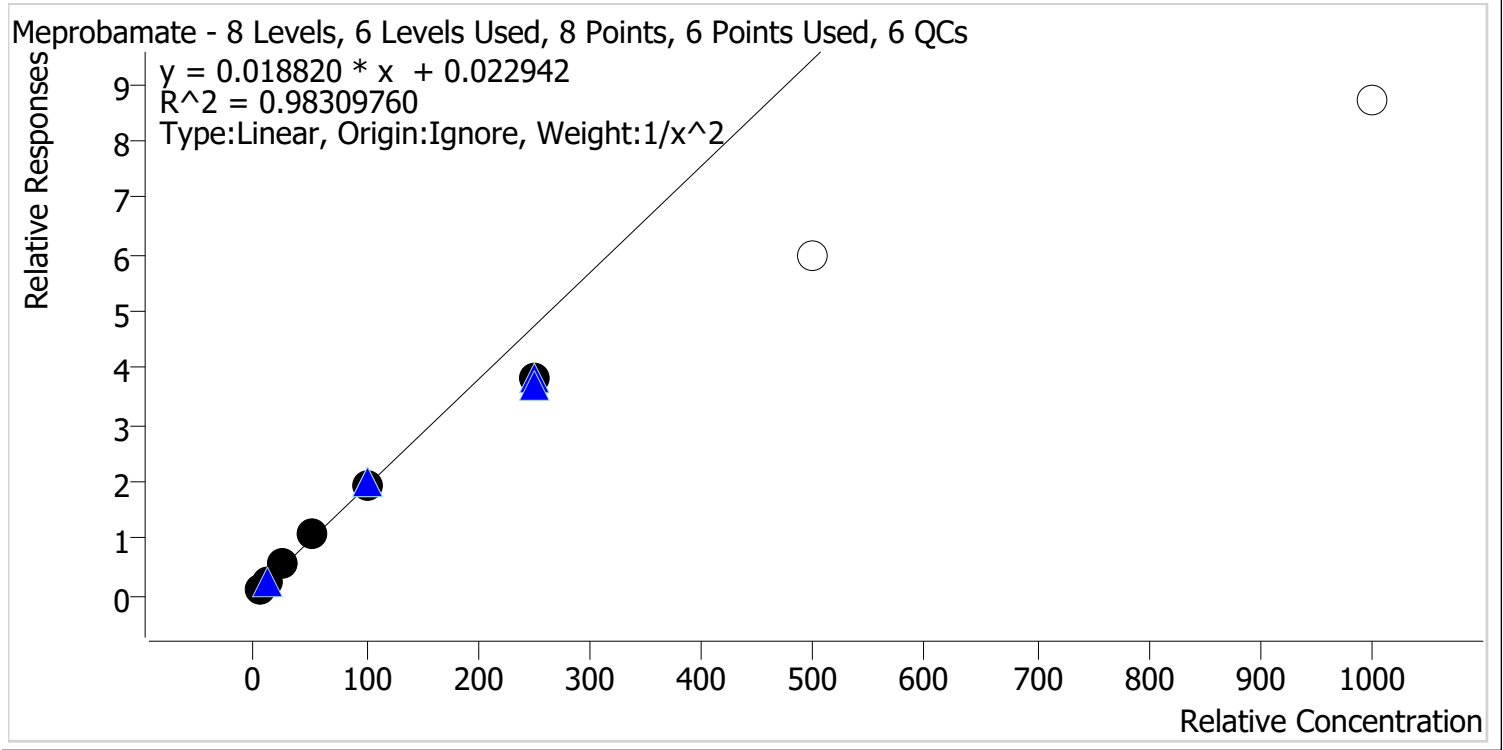
Calibrators 6, 7, and 8 dropped due to not meeting accuracy requirement.

SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 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	95.2
p1 Cal 2-10ng	2	✓	10.0	10.5	105.4
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	55.4	110.8
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	203.2	81.3
p1 Cal 7-500ng	7	x	500.0	315.8	63.2
p1 Cal 8-1000ng	8	x	1000.0	461.0	46.1

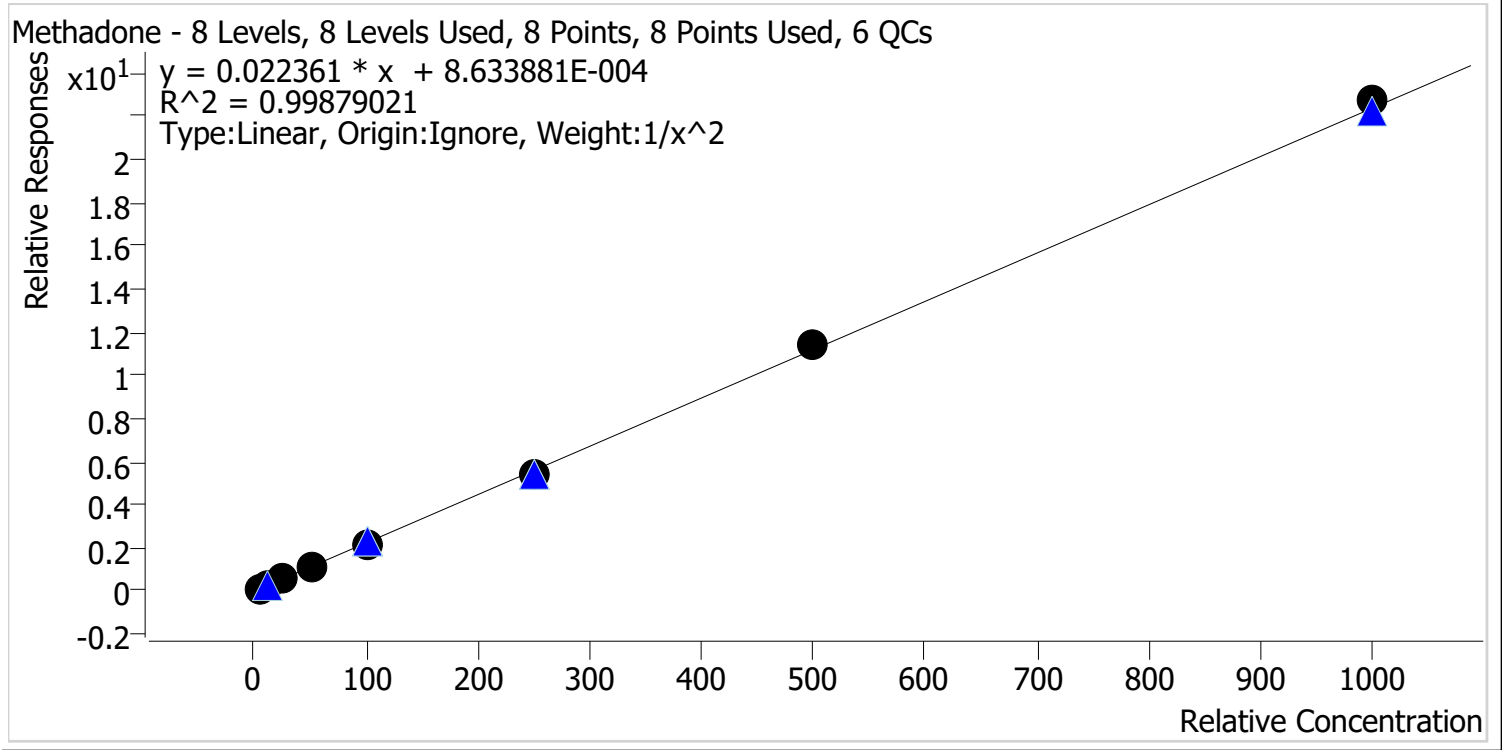
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datator
Analyte Methadone **Internal Standard** Methadone-D9



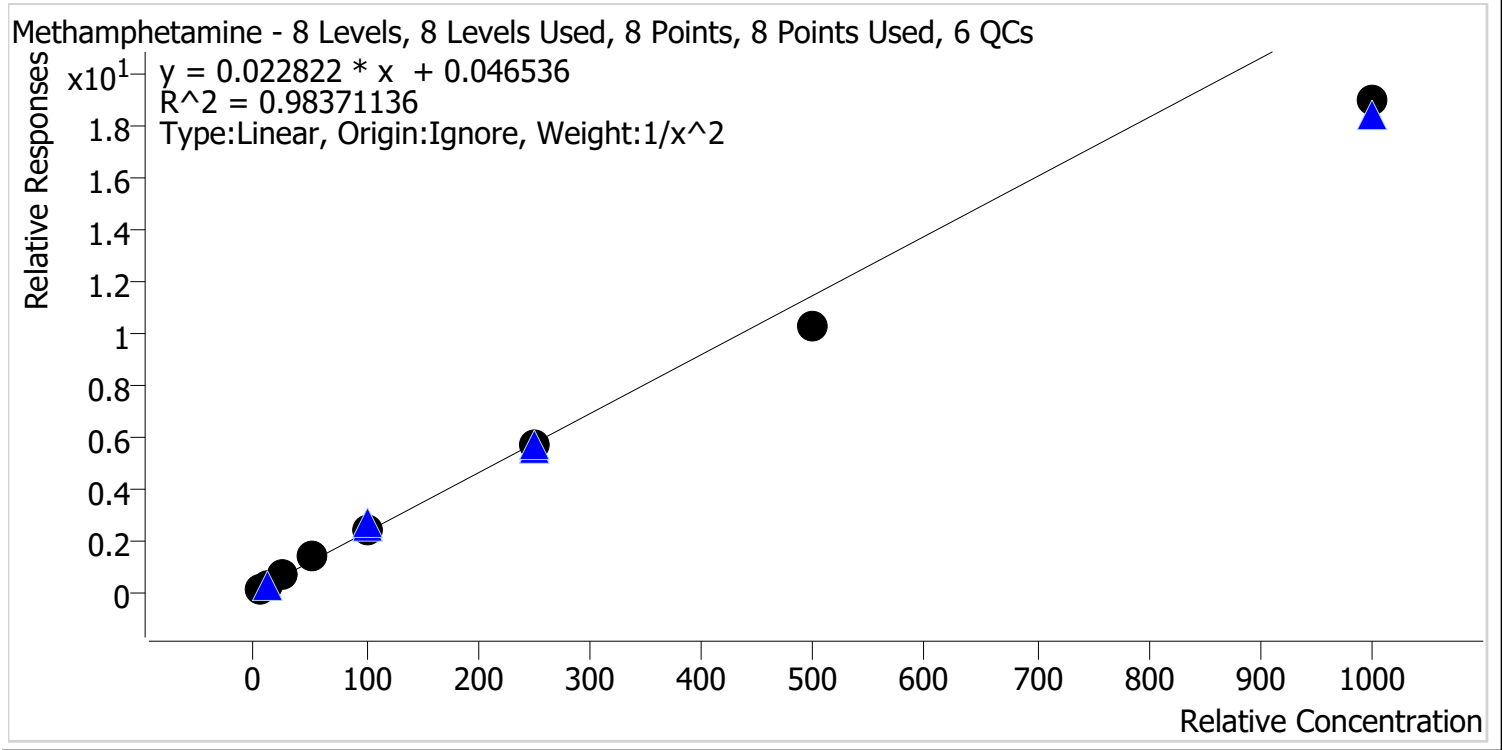
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	244.1	97.6
p1 Cal 7-500ng	7	✓	500.0	509.2	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1015.8	101.6

SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 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	4.7	95.0
p1 Cal 2-10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	59.5	119.0
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	448.2	89.6
p1 Cal 8-1000ng	8	✓	1000.0	828.5	82.9

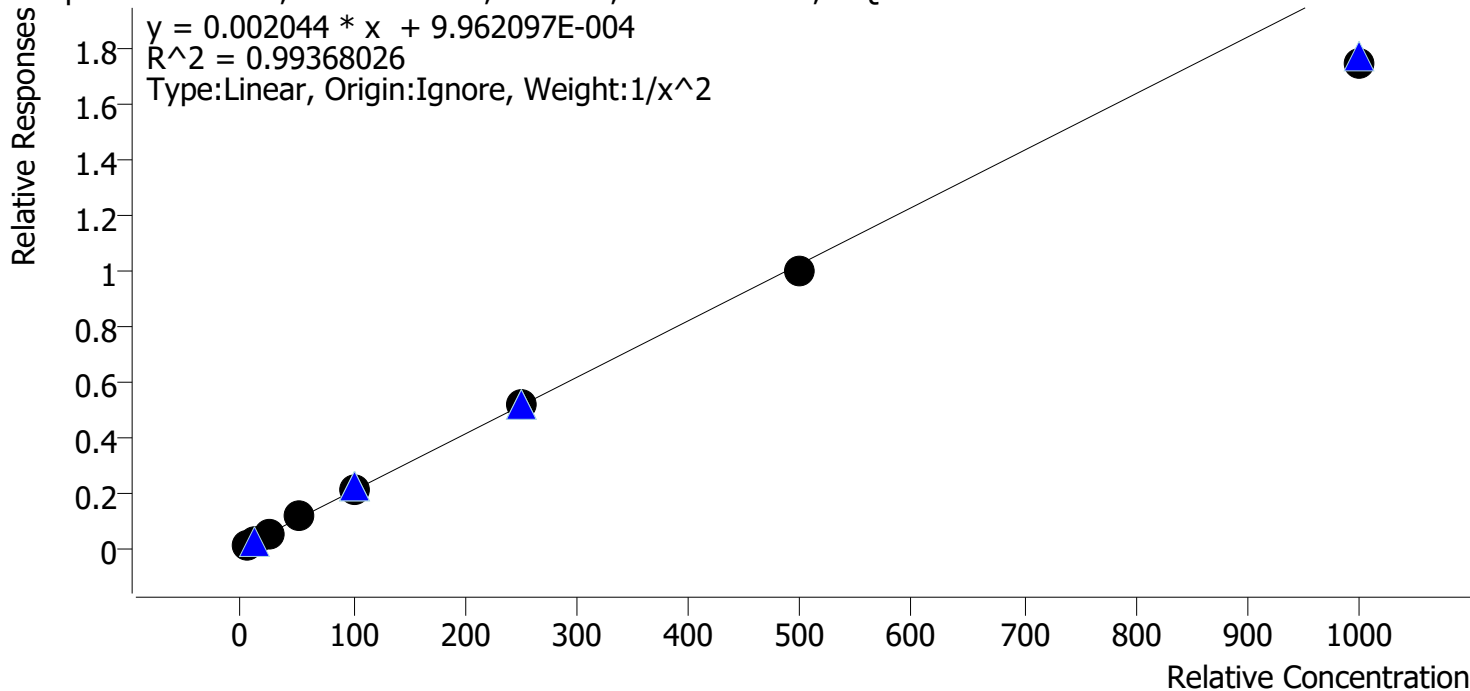
SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

Metoprolol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	54.2	108.5
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	486.5	97.3
p1 Cal 8-1000ng	8	✓	1000.0	856.7	85.7

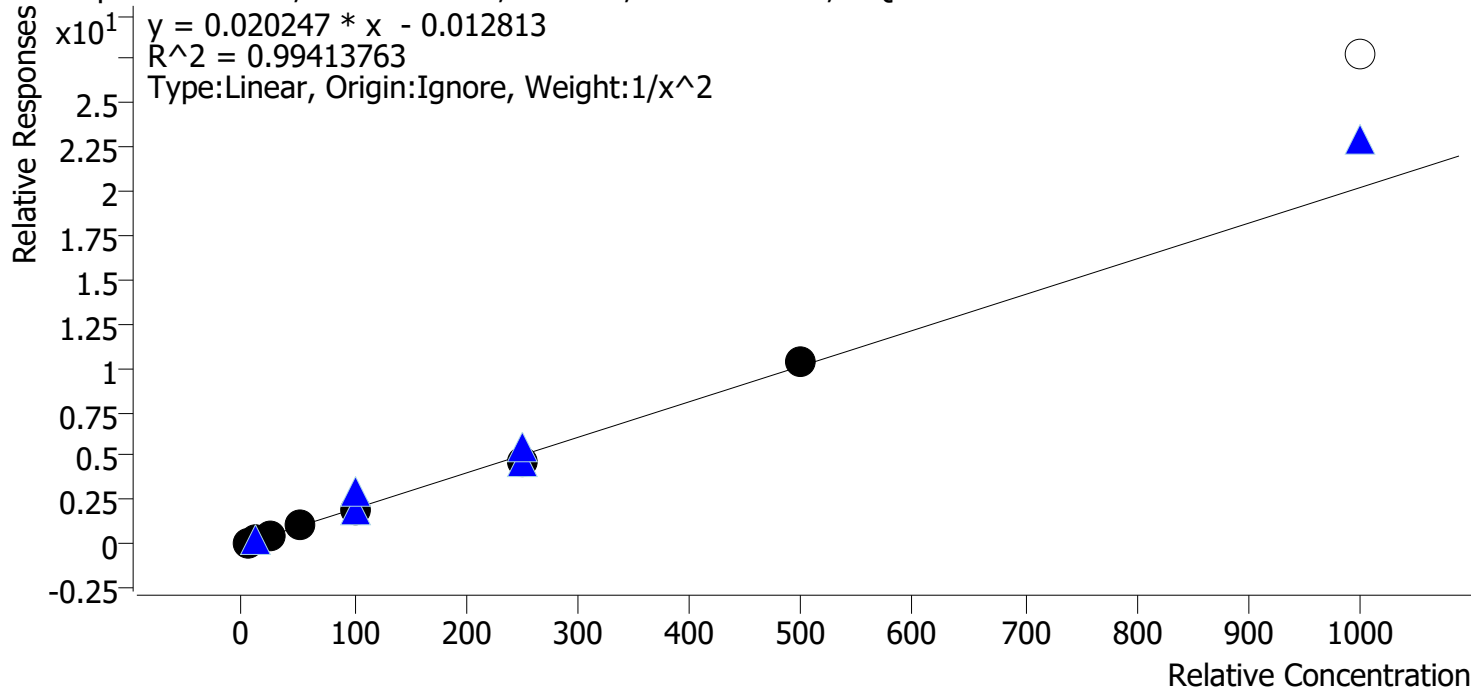
SJ G



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.7	106.8
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.6
p1 Cal 4-50ng	4	✓	50.0	54.7	109.3
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	234.4	93.7
p1 Cal 7-500ng	7	✓	500.0	509.3	101.9
p1 Cal 8-1000ng	8	✗	1000.0	1372.6	137.3

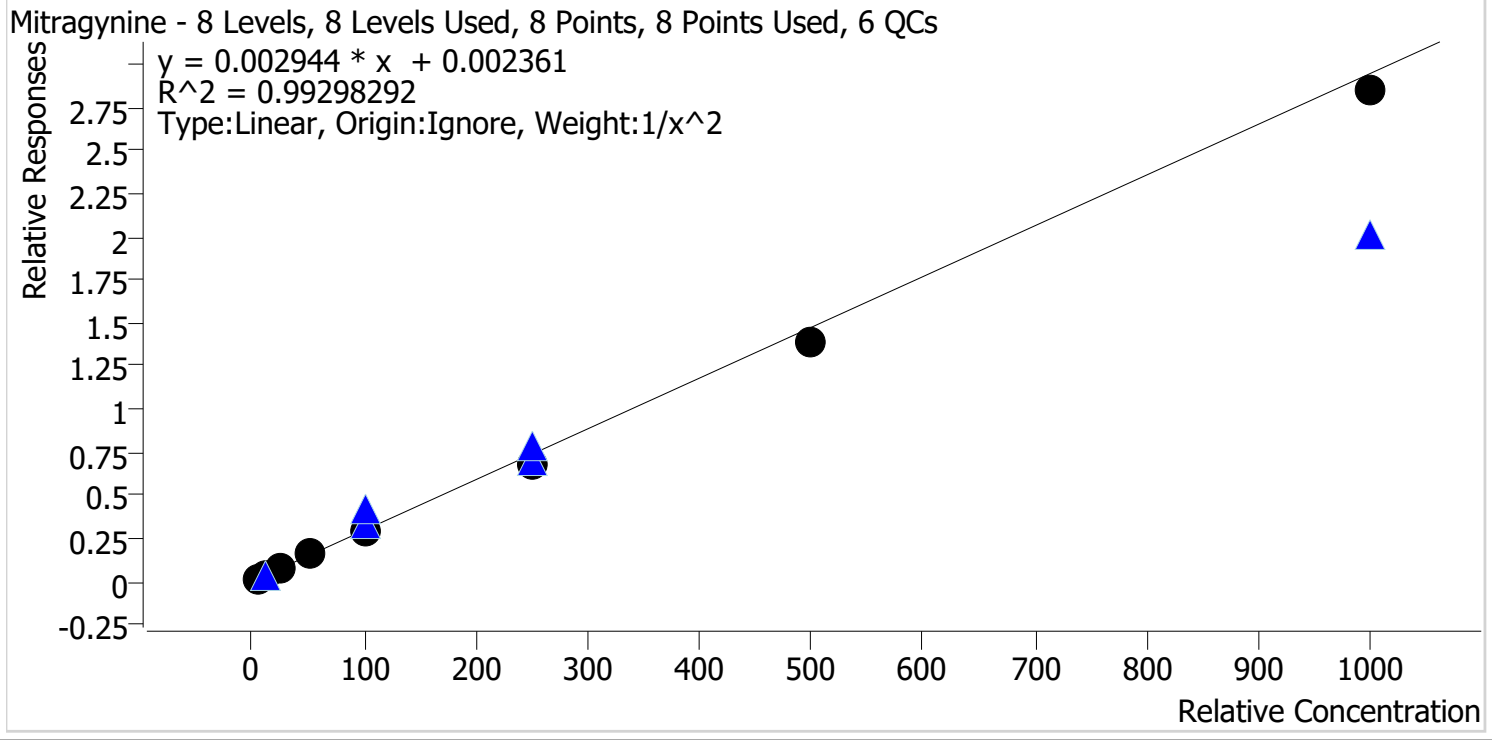
Calibrator 8 dropped due to not meeting accuracy requirement.

SJ G



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



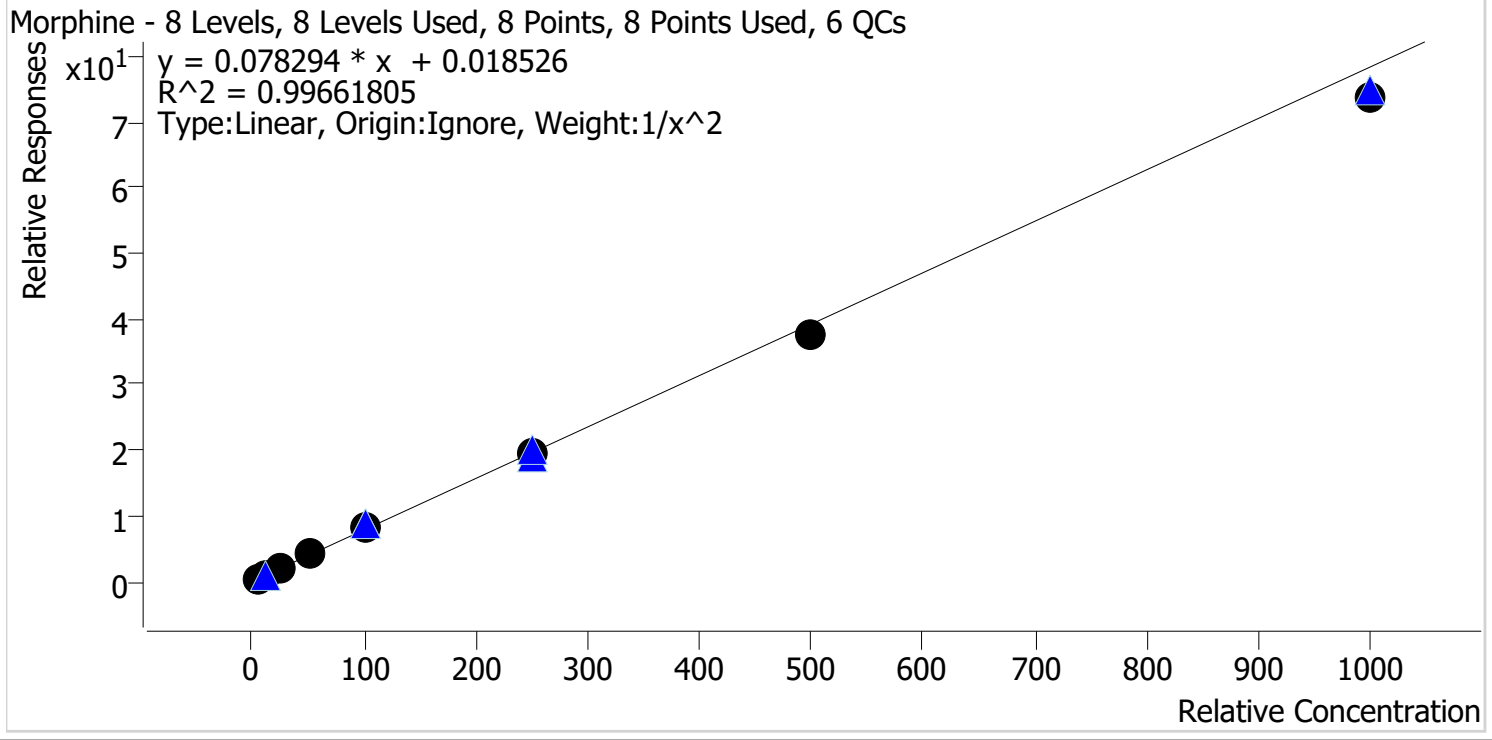
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2-10ng	2	✓	10.0	10.7	107.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	56.9	113.8
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	230.5	92.2
p1 Cal 7-500ng	7	✓	500.0	472.9	94.6
p1 Cal 8-1000ng	8	✓	1000.0	966.3	96.6

SJ G



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 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	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	477.1	95.4
p1 Cal 8-1000ng	8	✓	1000.0	938.6	93.9

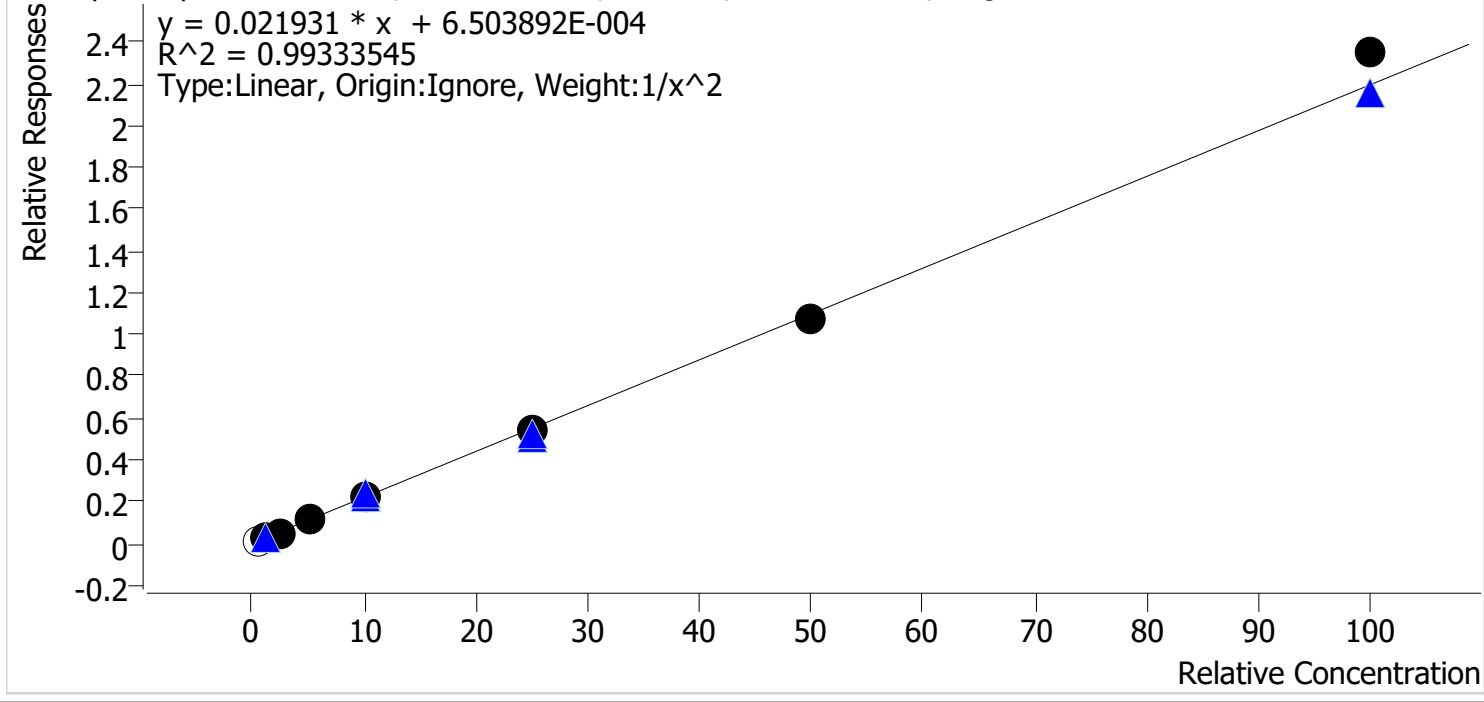
SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.5	102.0
p1 Cal 2-10ng	2	✓	1.0	1.0	104.2
p1 Cal 3 -25ng	3	✓	2.5	2.2	86.7
p1 Cal 4-50ng	4	✓	5.0	5.3	106.6
p1 Cal 5-100ng	5	✓	10.0	9.9	98.6
p1 Cal 6-250ng	6	✓	25.0	24.8	99.2
p1 Cal 7-500ng	7	✓	50.0	48.9	97.7
p1 Cal 8-1000ng	8	✓	100.0	107.0	107.0

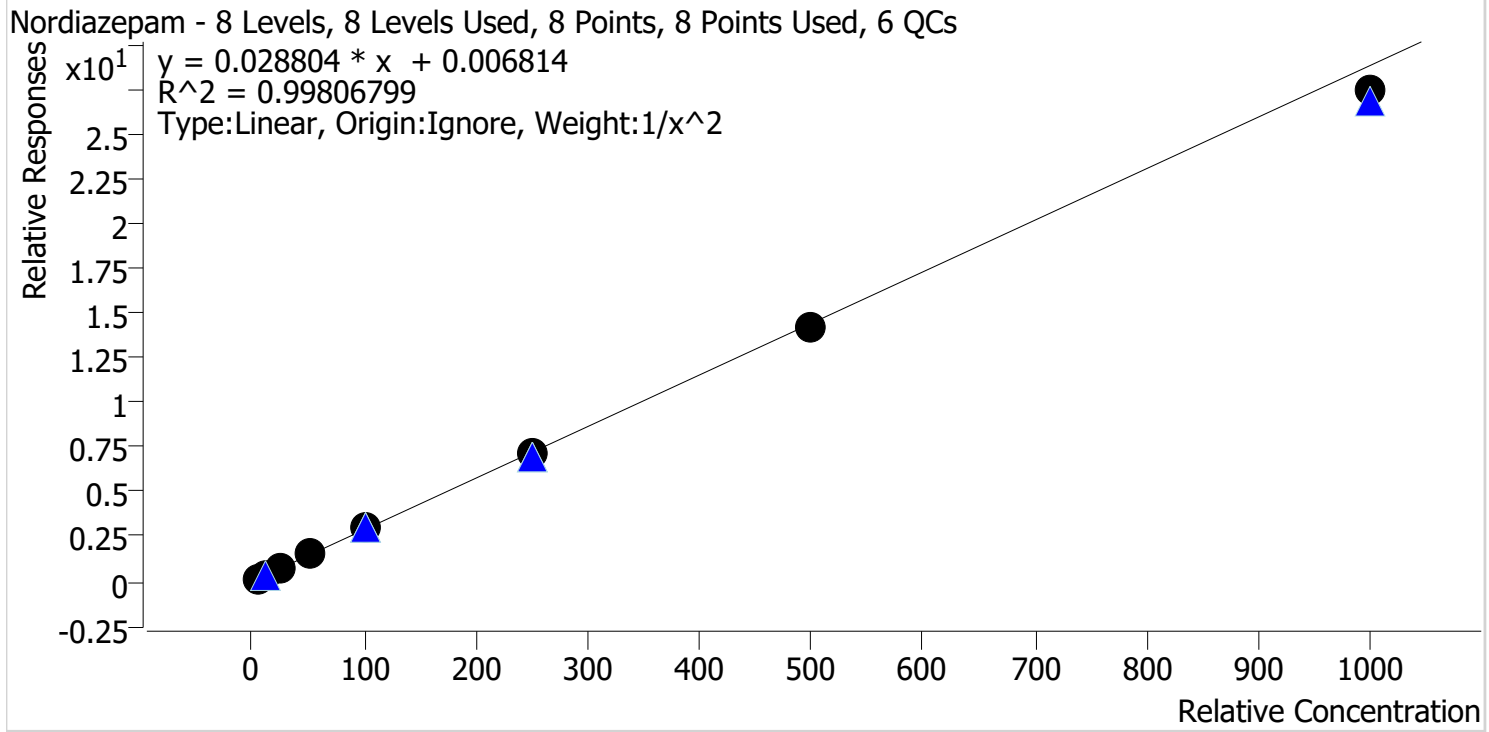
Calibrator 1 dropped due to not meeting ratio requirement.

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Nordiazepam Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	490.4	98.1
p1 Cal 8-1000ng	8	✓	1000.0	951.3	95.1

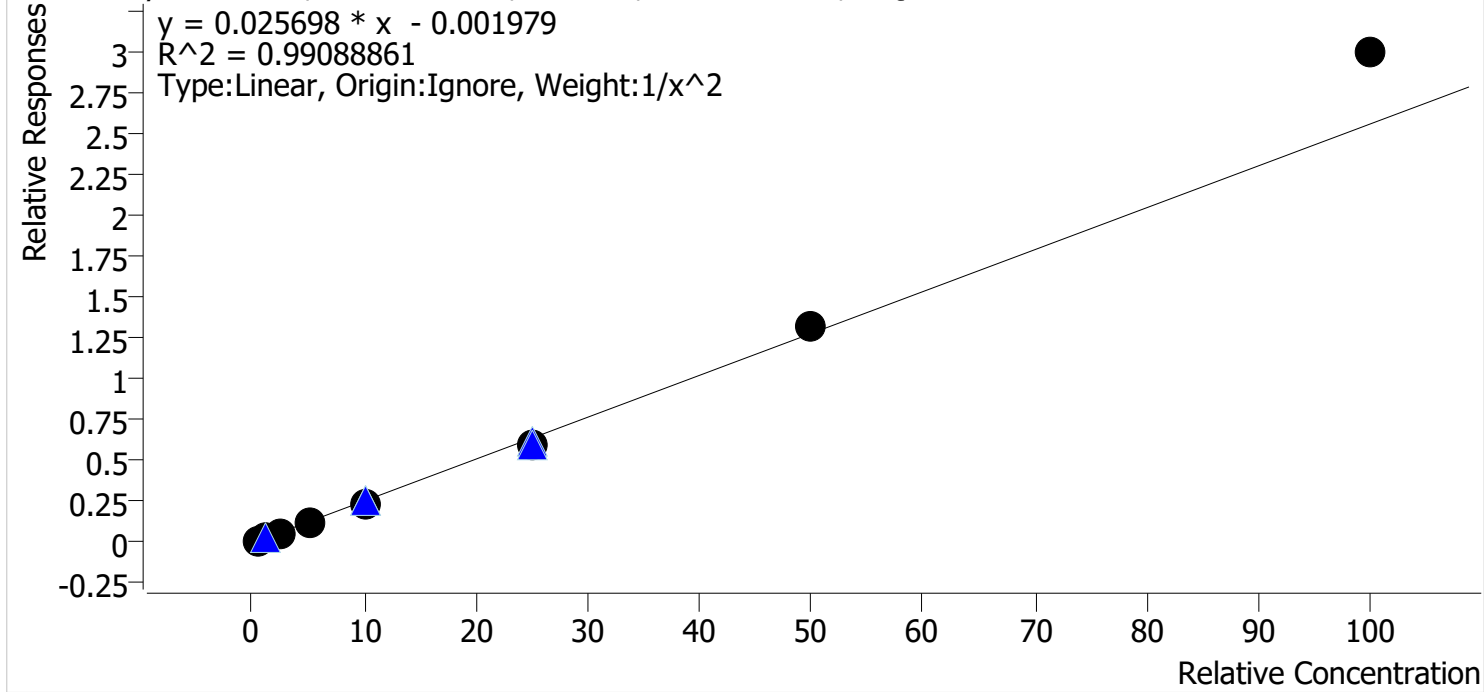
SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Norfentanyl Internal Standard Norfentanyl-D5

Norfentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



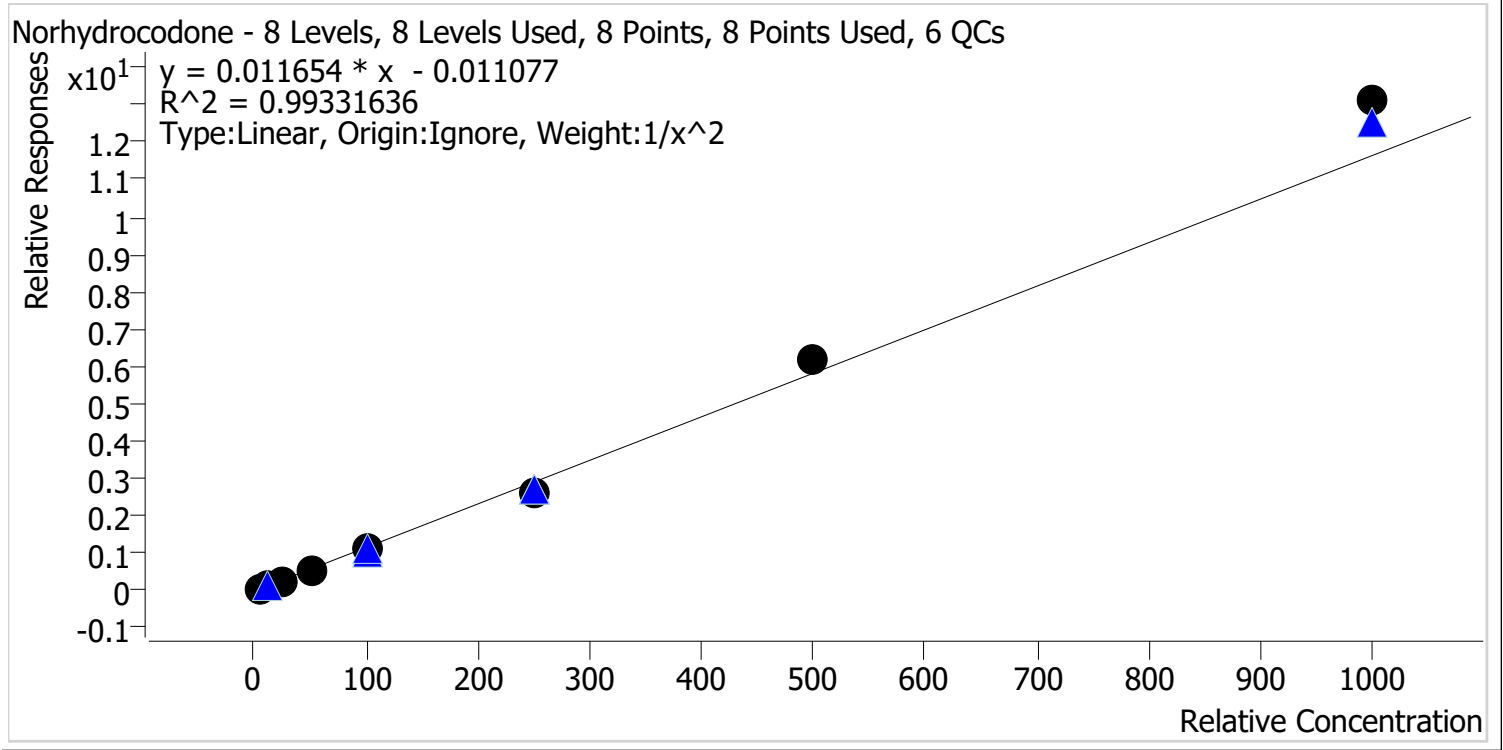
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.7
p1 Cal 2-10ng	2	✓	1.0	1.0	97.5
p1 Cal 3 -25ng	3	✓	2.5	2.2	89.8
p1 Cal 4-50ng	4	✓	5.0	4.9	97.7
p1 Cal 5-100ng	5	✓	10.0	9.5	95.1
p1 Cal 6-250ng	6	✓	25.0	23.8	95.1
p1 Cal 7-500ng	7	✓	50.0	52.0	104.0
p1 Cal 8-1000ng	8	✓	100.0	117.0	117.0

SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



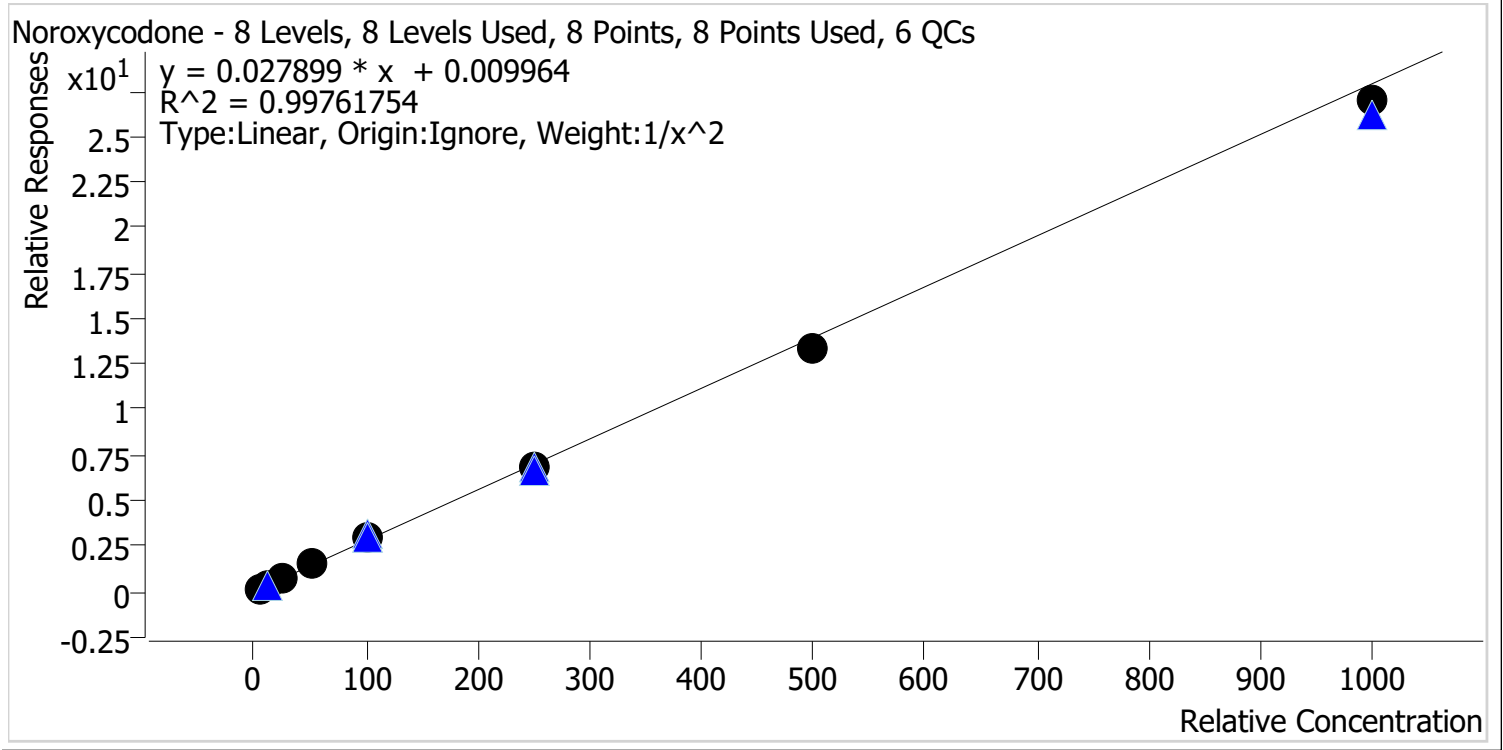
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.3
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	229.2	91.7
p1 Cal 7-500ng	7	✓	500.0	531.8	106.4
p1 Cal 8-1000ng	8	✓	1000.0	1126.3	112.6

SJ CG



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



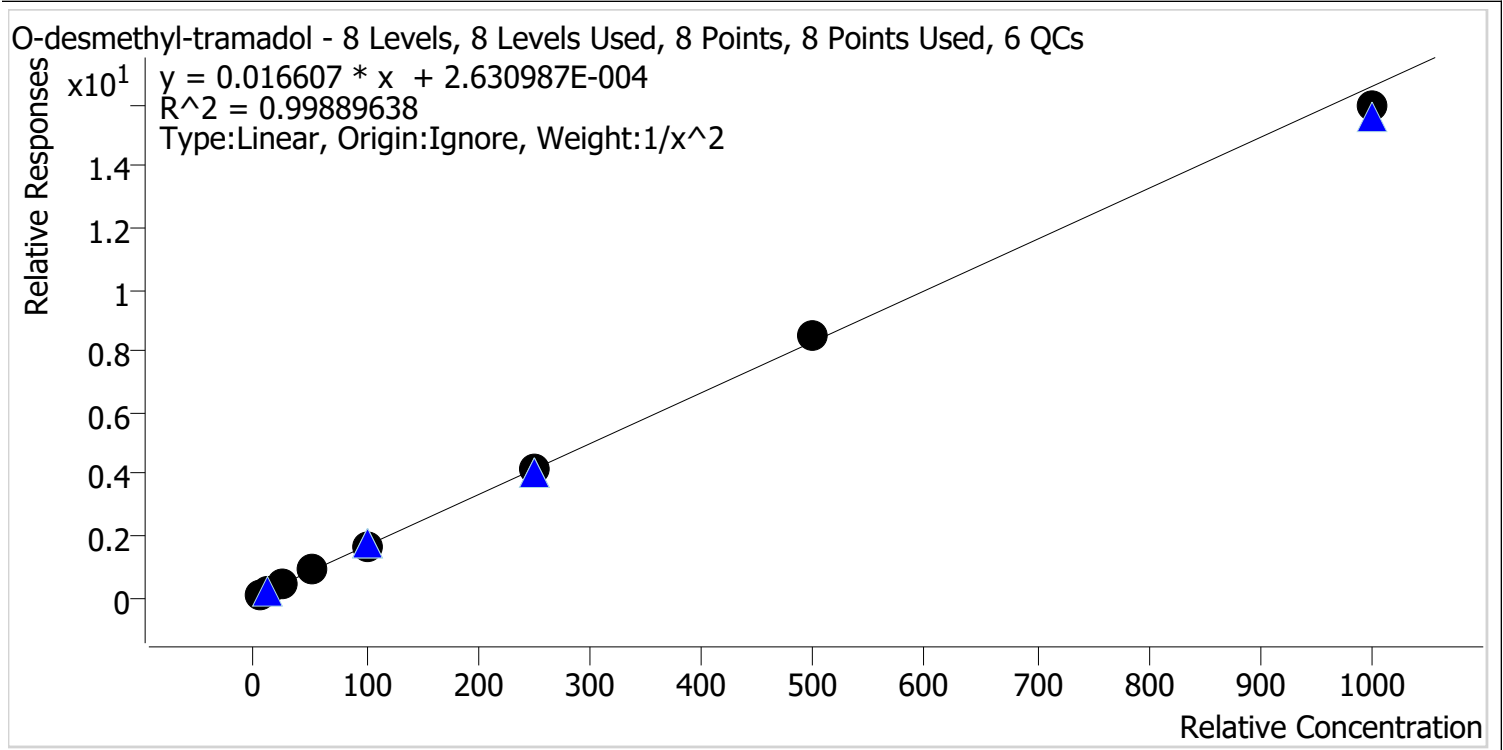
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	243.1	97.2
p1 Cal 7-500ng	7	✓	500.0	477.1	95.4
p1 Cal 8-1000ng	8	✓	1000.0	966.8	96.7

SJ CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



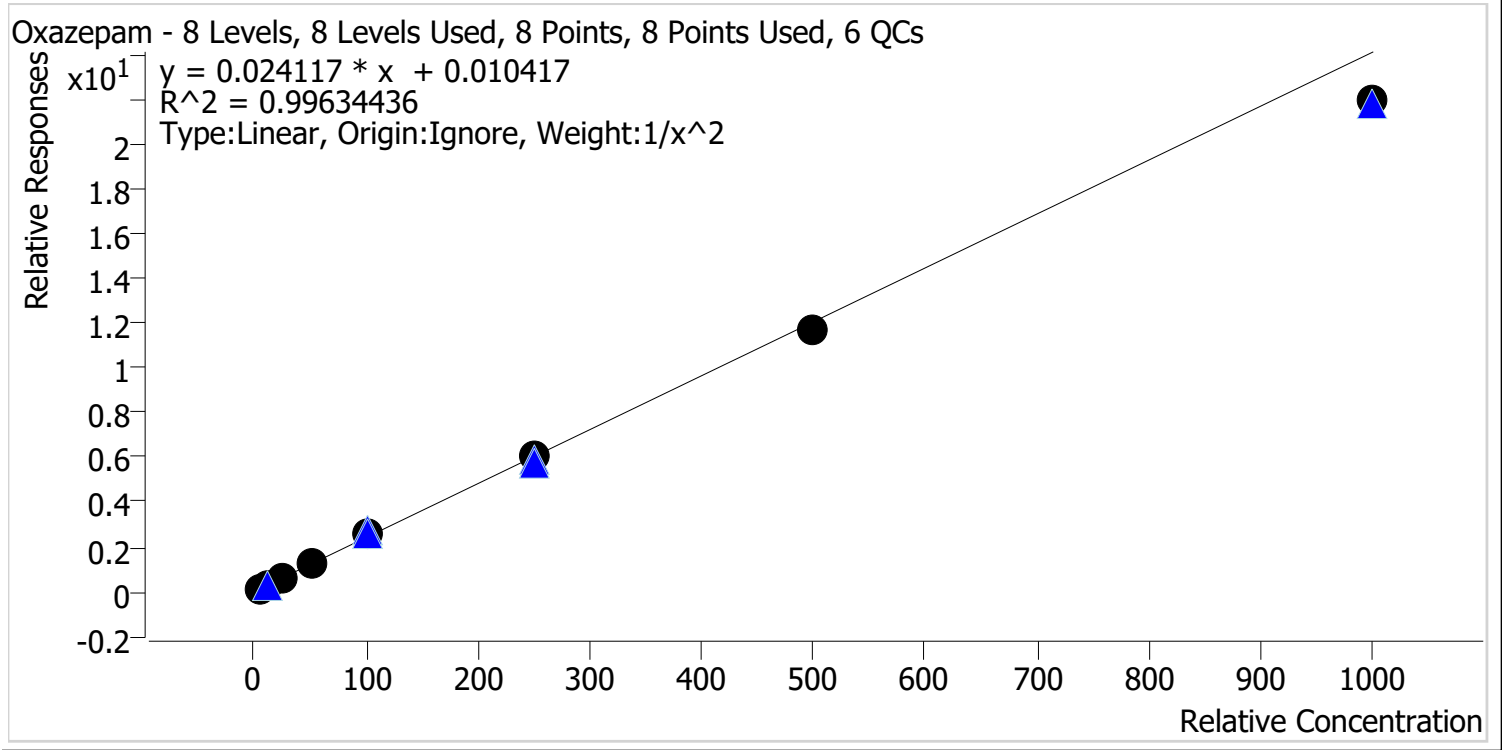
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	510.1	102.0
p1 Cal 8-1000ng	8	✓	1000.0	960.9	96.1

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5



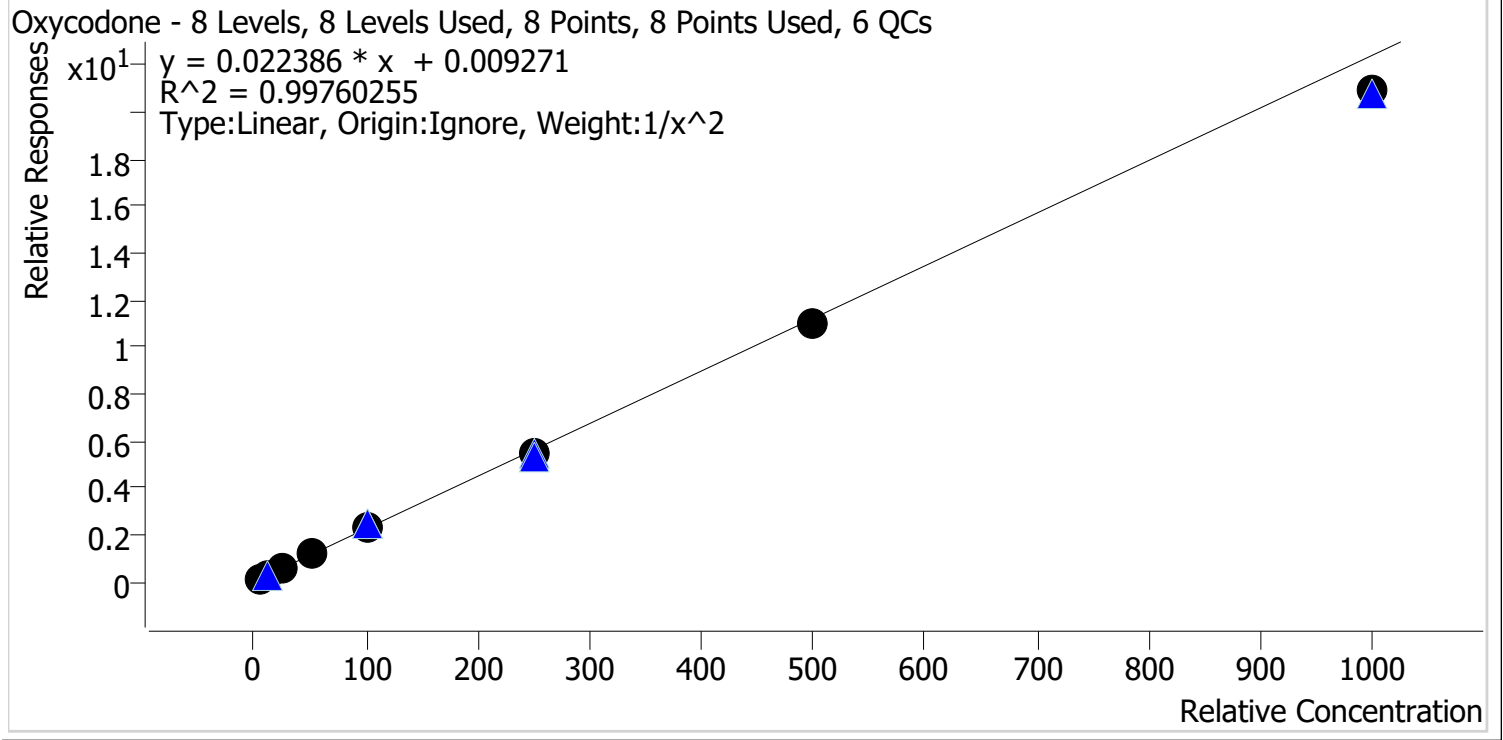
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	482.6	96.5
p1 Cal 8-1000ng	8	✓	1000.0	910.5	91.1

SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



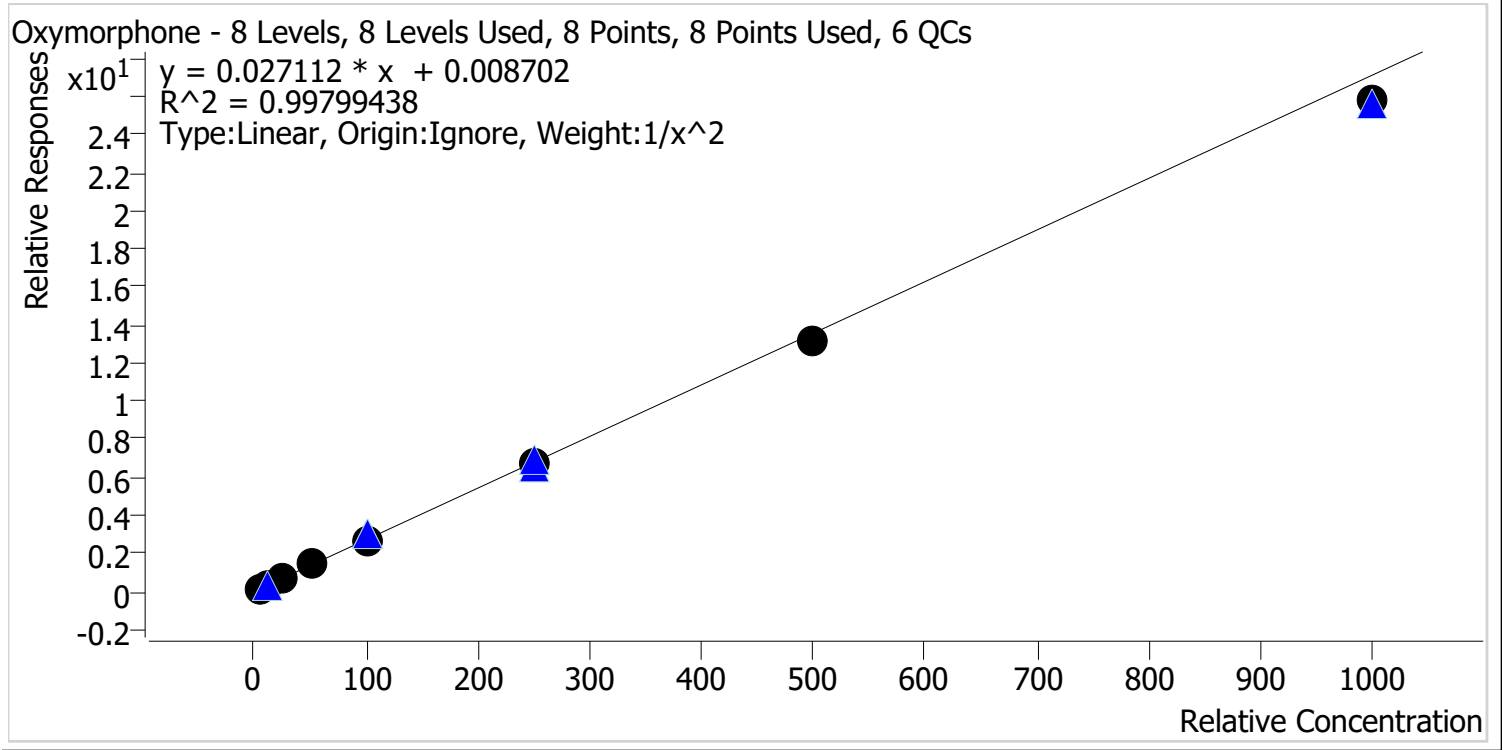
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	53.9	107.9
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	493.6	98.7
p1 Cal 8-1000ng	8	✓	1000.0	933.0	93.3

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



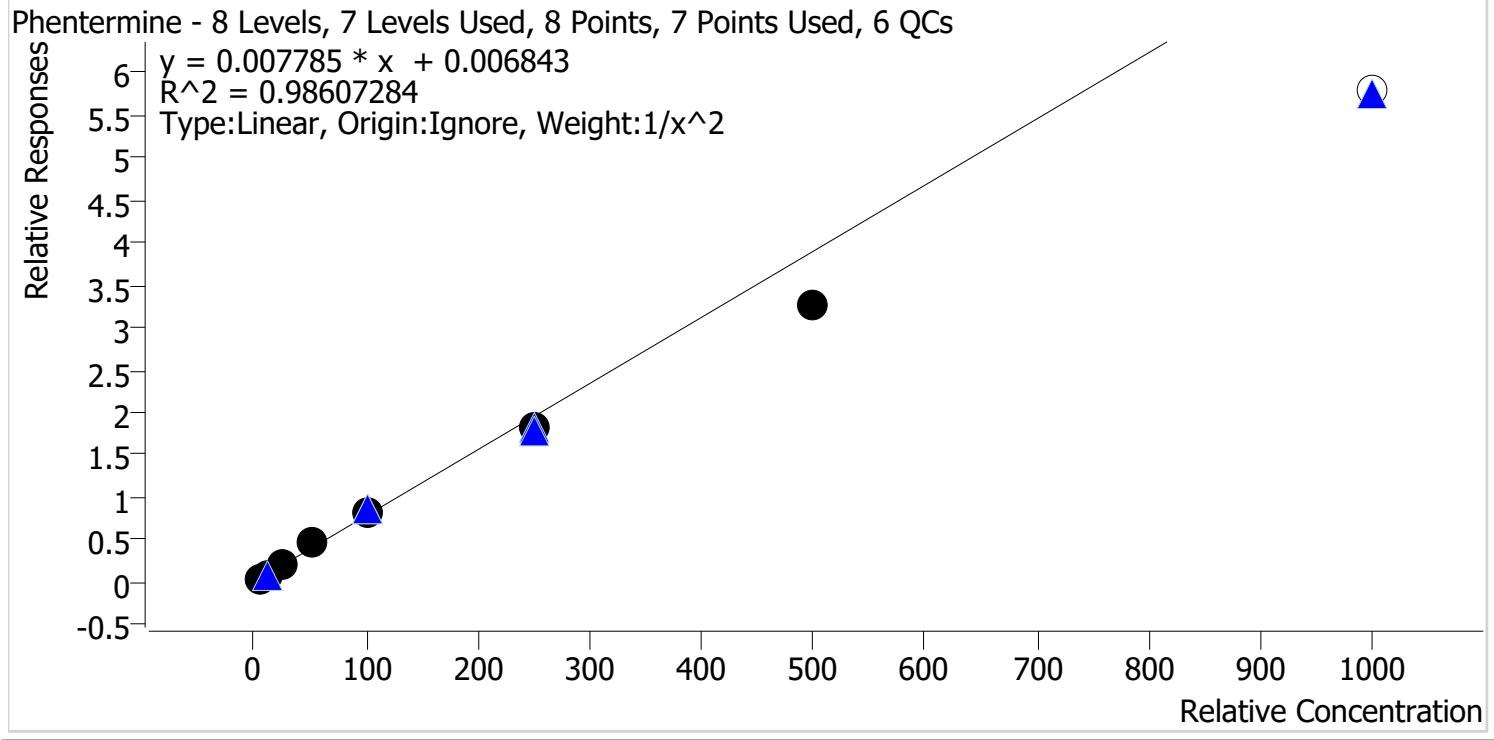
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	54.3	108.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	488.2	97.6
p1 Cal 8-1000ng	8	✓	1000.0	950.7	95.1

SJ G



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datator
Analyte Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	57.5	115.0
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	232.9	93.2
p1 Cal 7-500ng	7	✓	500.0	417.7	83.5
p1 Cal 8-1000ng	8	✗	1000.0	742.8	74.3

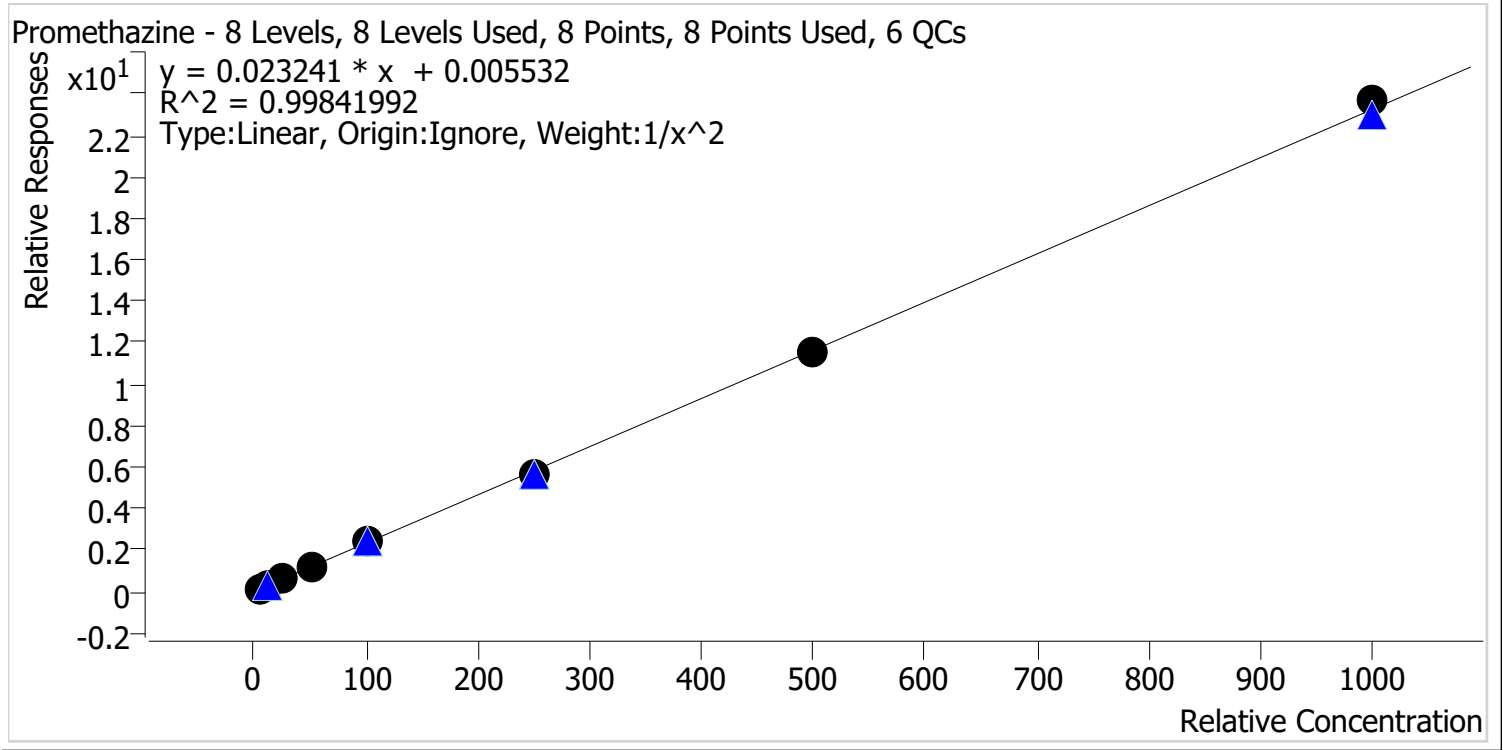
Calibrator 8 dropped due to not meeting accuracy requirement.

SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Promethazine **Internal Standard** Promethazine-D3



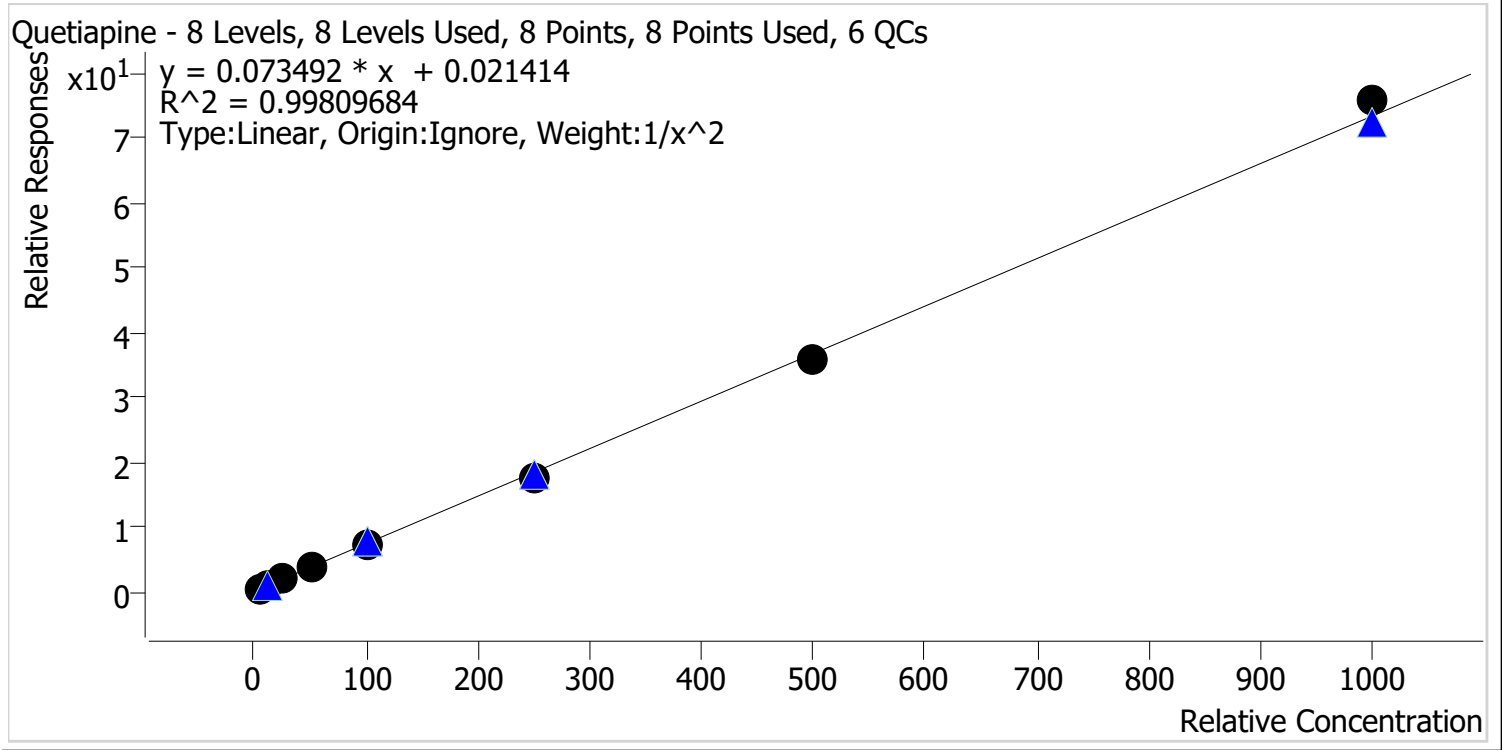
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	499.9	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1018.4	101.8

SJ G



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8



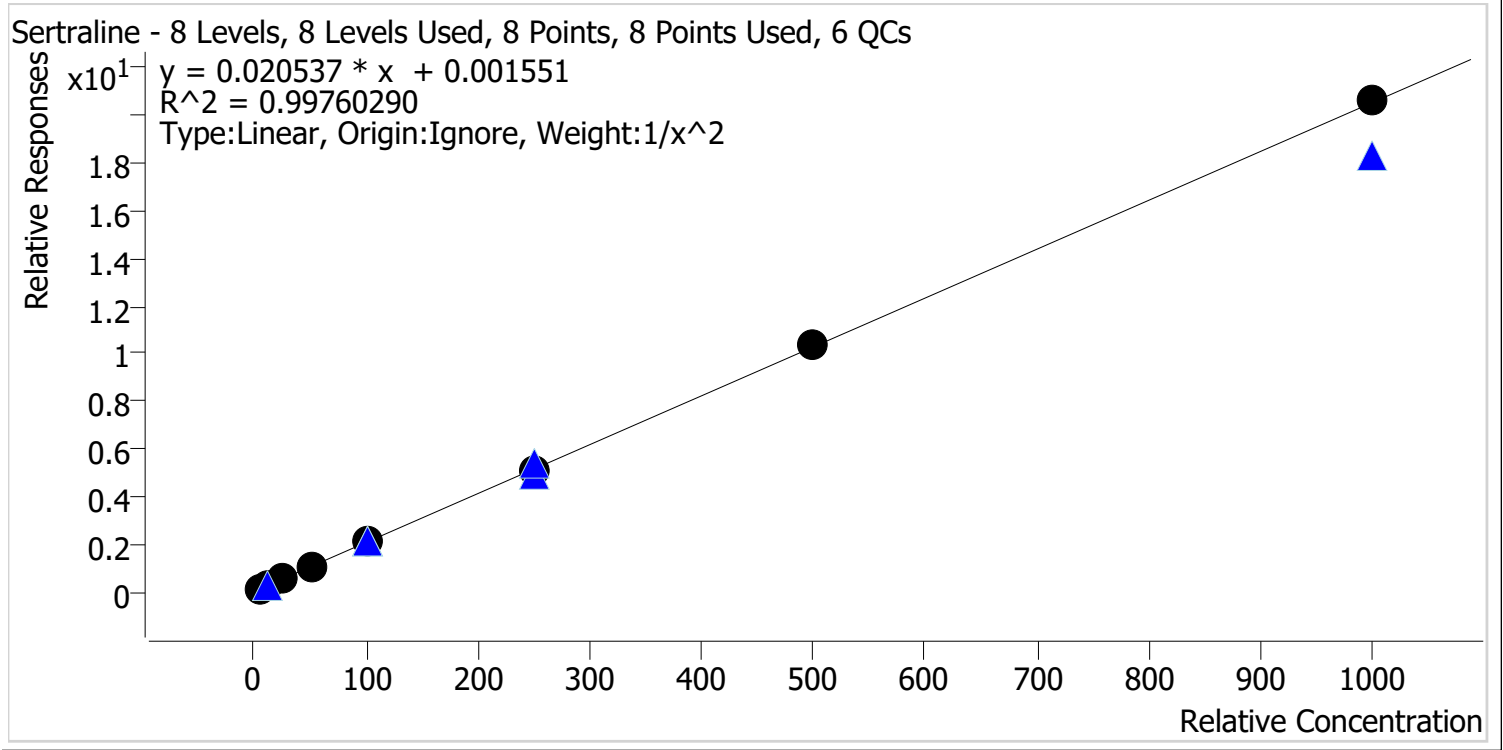
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	238.3	95.3
p1 Cal 7-500ng	7	✓	500.0	490.2	98.0
p1 Cal 8-1000ng	8	✓	1000.0	1032.6	103.3

SJ G



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



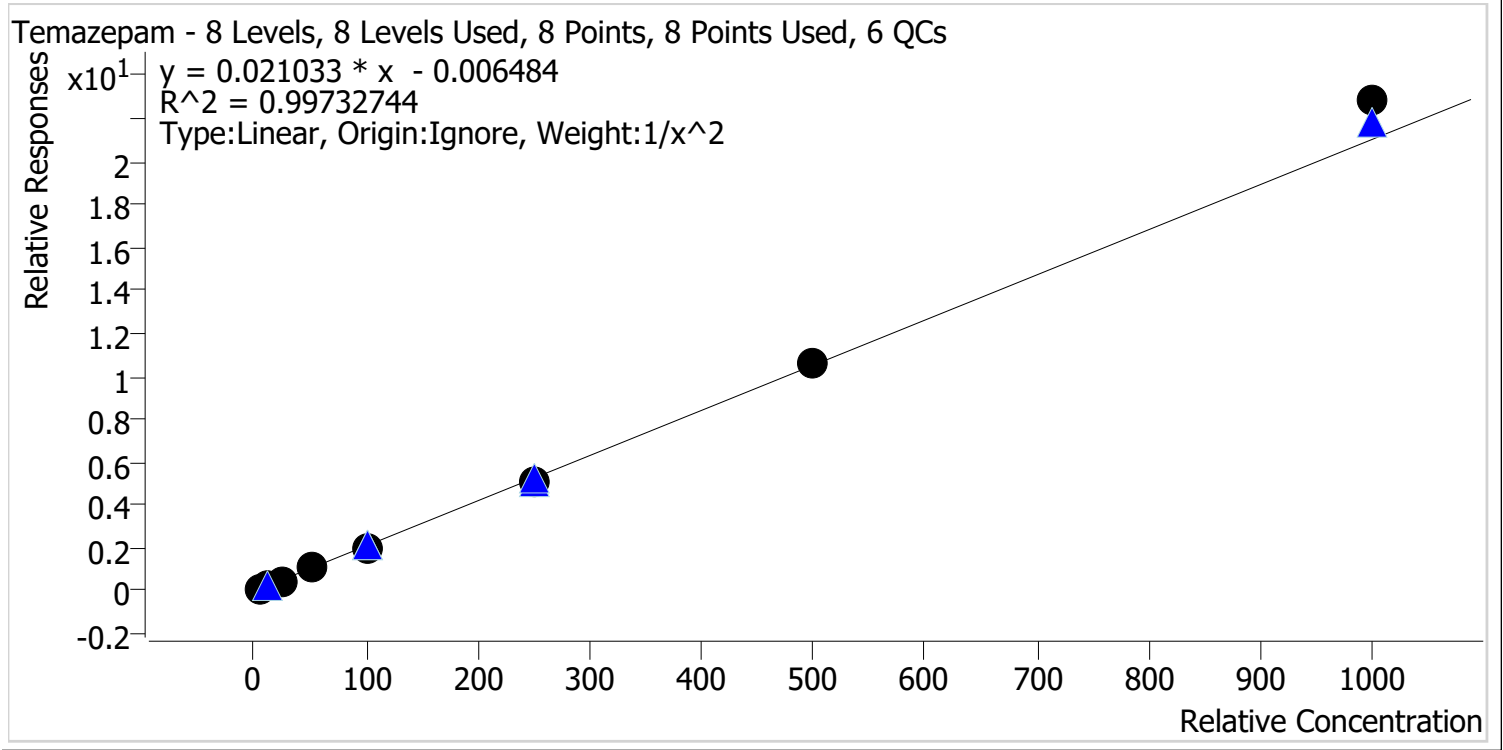
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.2	92.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	507.9	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1004.2	100.4

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



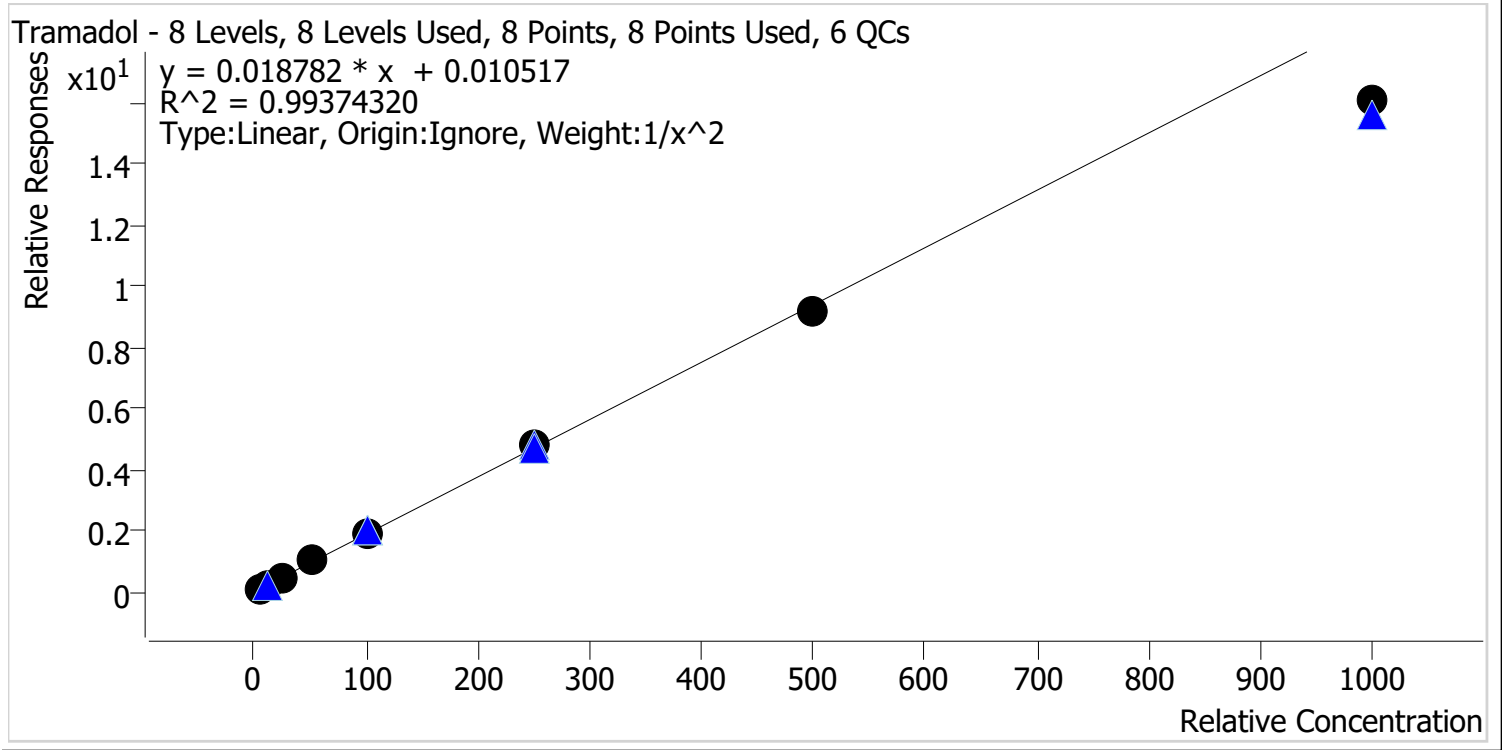
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	242.2	96.9
p1 Cal 7-500ng	7	✓	500.0	505.7	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1085.9	108.6

SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



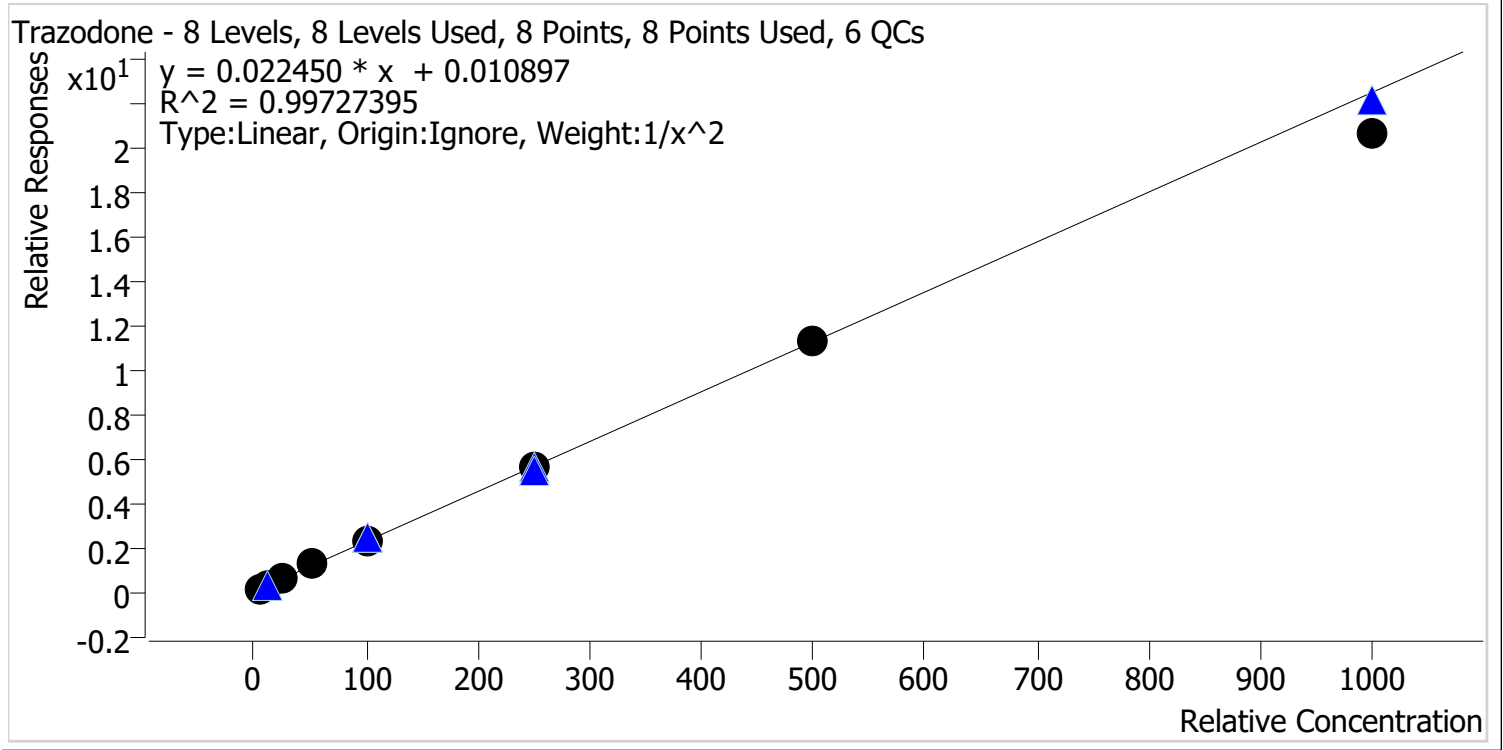
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	256.7	102.7
p1 Cal 7-500ng	7	✓	500.0	487.9	97.6
p1 Cal 8-1000ng	8	✓	1000.0	856.6	85.7

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



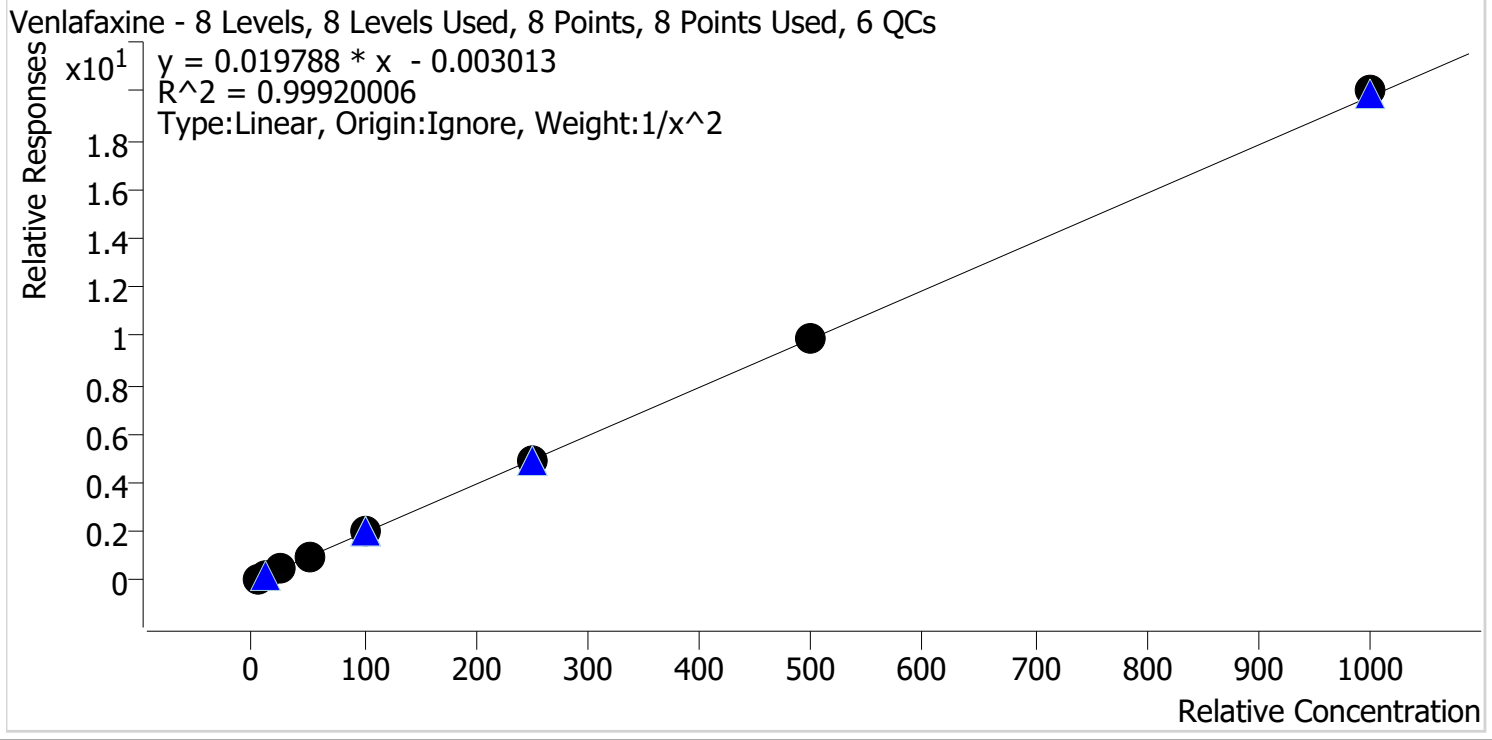
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✓	1000.0	917.5	91.8

SJ CJ



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



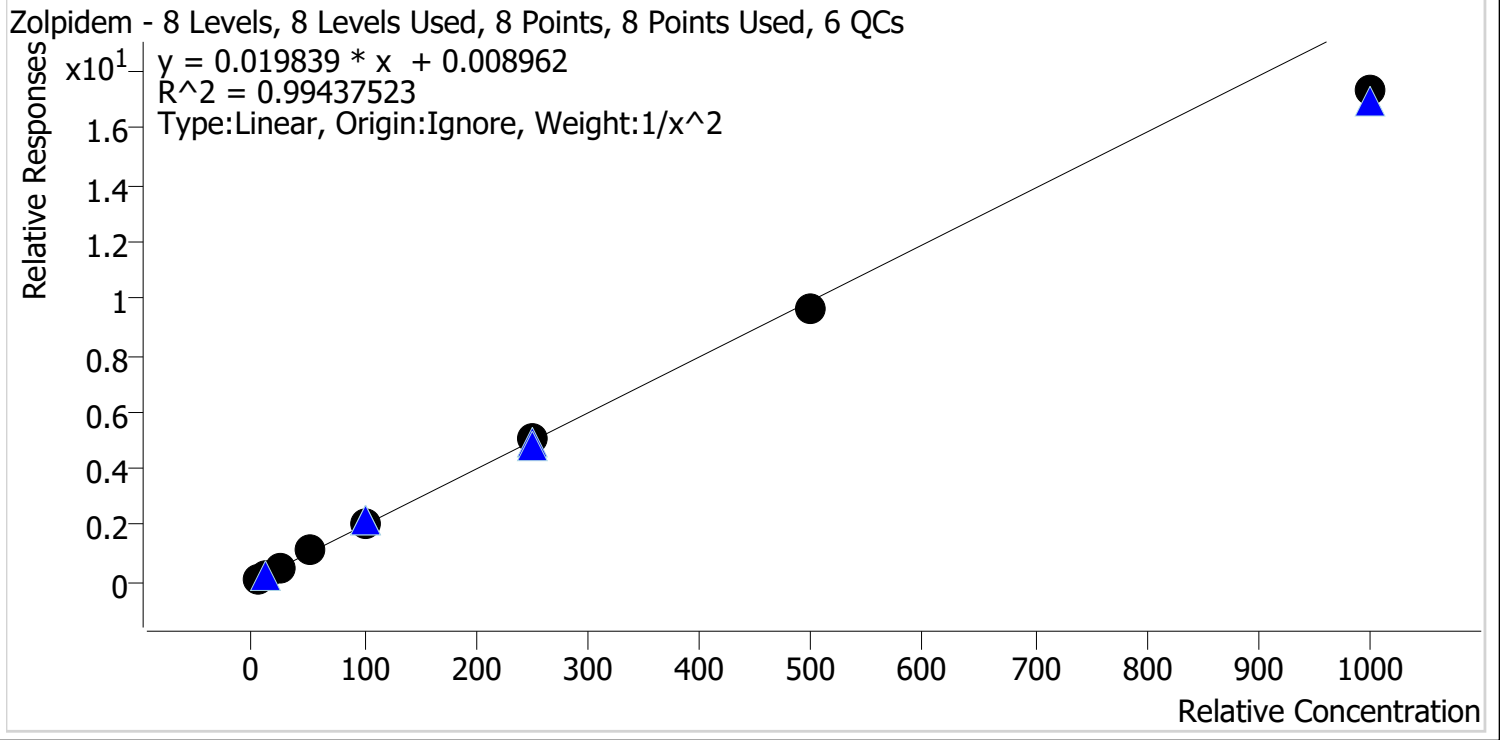
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.0
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	502.2	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1012.4	101.2

SJ Cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/5/2021 11:08 AM
Analyst Name ISP\Datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	54.9	109.8
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	257.1	102.8
p1 Cal 7-500ng	7	✓	500.0	487.2	97.4
p1 Cal 8-1000ng	8	✓	1000.0	874.1	87.4

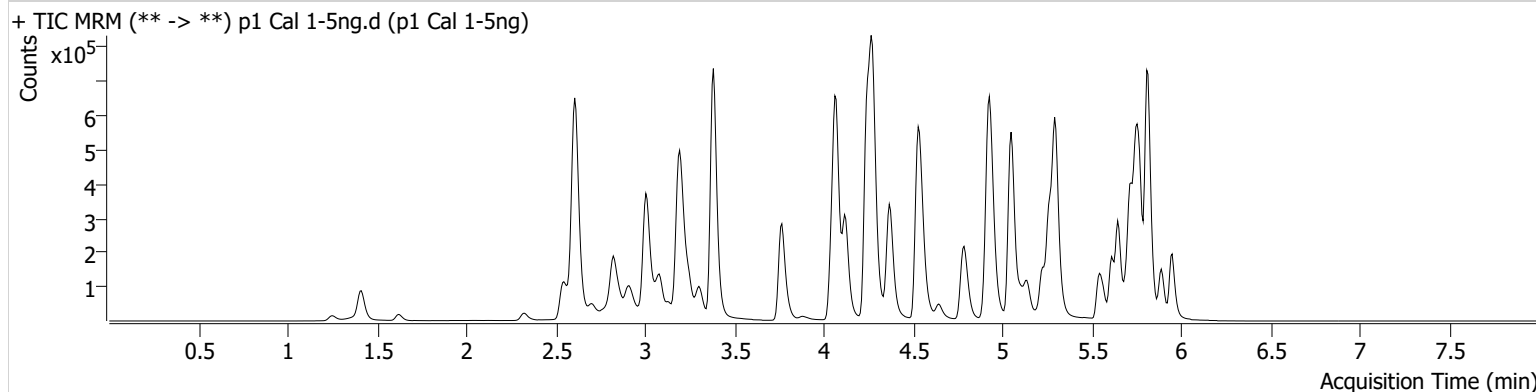
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument	Instrument 1	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-H12	Comment	
Injection Volume	2		
Acq. Date-Time	3/3/2021 7:59:02 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	1924	94.54	68.4	3250.46	85990	0.5238 ng/ml
7-aminoclonazepam	4.285	24102	541.29	81.2	1017.01	178309	5.1110 ng/ml
a-hydroxyalprazolam	5.699	21189	540.26	59.5	205.58	464233	4.7998 ng/ml
alpha-PHP	4.950	20991	802.76	270.0	1006.88	755119	4.6884 ng/ml
alpha-PVP	4.383	85067	802.88	52.5	427.82	755119	5.0145 ng/ml
Alprazolam	5.775	62083	957.48	117.1	483.61	464233	5.0384 ng/ml
Amphetamine	3.090	172201	5950.85	49.0	247.02	336463	4.7017 ng/ml
Benzoylecgonine	3.906	3128	181.33	8.3	119.20	19912	5.1386 ng/ml
Buprenorphine	5.887	984	44.45	13.6	234.70	77457	0.4897 ng/ml
Bupropion	4.801	75577	1368.80	60.4	226.63	526680	4.9850 ng/ml
Carisoprodol	5.724	65573	100283.76	52.7	293.08	631675	5.1718 ng/ml
Citalopram	5.226	33127	692.73	43.9	72521.02	309108	5.0746 ng/ml
Clonazepam	5.618	75311	3281.00	32.9	716.61	173620	4.8610 ng/ml
Clonazepam	5.555	46529	1174.38	37.5	18161.19	173620	4.9142 ng/ml
Cocaine	4.271	71166	154028.72	50.3	93.91	1285017	5.0866 ng/ml
Codeine	2.600	9495	67.00	102.8	417.24	90267	4.8765 ng/ml
Cyclobenzaprine	5.622	8389	1237.78	10.0	17.89	72169	4.9895 ng/ml
Dextromethorphan	5.275	17611	24976.22	79.7	6568.29	164686	5.0465 ng/ml
Dextrophan	4.125	24255	445.68	208.7	450.39	590089	5.0742 ng/ml
Diazepam	5.953	37190	241.28	87.2	286.40	341852	4.9886 ng/ml
Dihydrocodeine	2.572	23123	4444.42	62.0	1810.50	265735	4.8259 ng/ml
Diphenhydramine	5.303	97053	1027.53	32.0	553.61	1146691	5.0659 ng/ml
Doxylamine	4.549	165389	2174.77	100.1	423.46	1467067	4.9213 ng/ml
EDDP	5.268	52604	399.98	43.0	512.70	537443	4.9905 ng/ml
Etizolam	5.813	35343	72416.31	24.5	9319.95	173620	5.1204 ng/ml
Fentanyl	5.123	1709	49.91	64.8	62.30	155535	0.5094 ng/ml
Flualprazolam	5.705	30217	661.72	95.0	29244.65	464233	4.9085 ng/ml
Fluoxetine	5.700	6188	70.80	9.8	73.92	56558	4.8040 ng/ml
Hydrocodone	3.032	34138	105.31	38.2	31.88	783398	4.7292 ng/ml
Hydromorphone	1.621	30701	1346.65	74.7	984.93	11456	4.8789 ng/ml
Ketamine	4.065	68869	762.07	36.2	77.83	615526	4.9409 ng/ml
Lamotrigine	4.294	5888	197.93	78.3	1441.23	615526	3.7961 ng/ml
Levetiracetam	2.703	29064	496.76	169.1	355.90	1678517	5.1260 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	73602	1086.83	53.8	166.22	173620	4.8712 ng/ml
MDA	3.223	114747	1752.67	24.0	145.66	560668	4.7266 ng/ml
MDMA	3.310	65210	4273.95	77.5	807.82	126392	4.9613 ng/ml
Meprobamate	4.938	37499	7069.04	27.7	1049.18	333338	4.7584 ng/ml
Methadone	5.653	56473	966.96	45.8	289.26	495362	5.0598 ng/ml
Methamphetamine	3.251	140049	412.58	38.6	534.14	904162	4.7480 ng/ml
Metoprolol	4.333	16458	1337.06	92.1	880.20	1510563	4.8422 ng/ml
Mirtazapine	4.644	64877	826.01	47.9	503.19	755119	4.8763 ng/ml
Mitragynine	5.250	8122	14386.33	40.7	5217.56	495362	4.7675 ng/ml
Morphine	1.261	4567	235.36	28.1	82.93	11456	4.8549 ng/ml
Norbuprenorphine	4.999	148	5.94 Low	76.3 Low	338.18	12546	0.5098 ng/ml
Nordiazepam	5.900	36257	672.52	60.3	1508.49	241476	4.9763 ng/ml
Norfentanyl	4.093	14743	1660.39	38.6	61.21	1299120	0.5186 ng/ml
Norhydrocodone	3.080	5154	74.37	43.2	33.07	105089	5.1587 ng/ml
Noroxycodone	2.930	39405	554.12	41.0	274.40	265386	4.9650 ng/ml
O-desmethyl-tramadol	3.389	144579	5700.81	6.8	184.27	1722686	5.0379 ng/ml
Oxazepam	5.756	85760	871.22	73.8	48.93	662589	4.9349 ng/ml
Oxycodone	2.854	72073	801.52	26.8	658.10	596708	4.9813 ng/ml
Oxymorphone	1.418	34923	192.42	42.6	263.20	244670	4.9437 ng/ml
Phentermine	3.803	33782	193.69	4.5	42.98	757574	4.8490 ng/ml
Promethazine	5.538	20052	487.93	25.6	79.51	162926	5.0574 ng/ml
Pseudoephedrine	2.623	177194	397.09	16.4	138.67	1678517	5.1266 ng/ml
Quetiapine	5.569	40511	107.67	57.0	26401.83	103475	5.0358 ng/ml
Sertraline	5.769	2841	120.24	96.0	57.26	26259	5.1918 ng/ml
Temazepam	5.816	136391	511.58	30.4	265.08	1340643	5.1452 ng/ml
Tramadol	4.259	153721	477.82	3.8	180.50	1510563	4.8581 ng/ml
Trazodone	5.196	30336	243.95	77.4	34428.23	245021	5.0295 ng/ml
Venlafaxine	5.050	123252	525.78	40.7	267.67	1268416	5.0628 ng/ml
Zolpidem	4.948	150427	267307.13	31.3	564.87	1415194	4.9060 ng/ml

AM #28 Multi-Drug Quant. Results

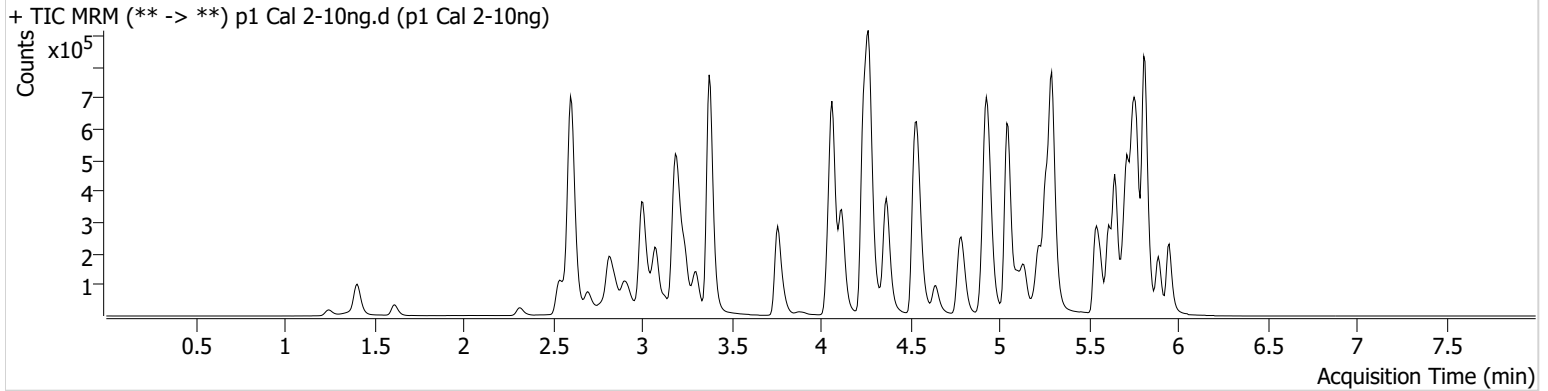


Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G12
Injection Volume 2
Acq. Date-Time 3/3/2021 8:09:48 AM
Sample Info.

Data File p1 Cal 2-10ng.d
Sample p1 Cal 2-10ng
Operator Celena Shrum
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	3237	267.30	72.5	1653.49	85425	0.9178 ng/ml
7-aminoclonazepam	4.285	46942	3903.90	82.9	447.89	173608	9.7839 ng/ml
a-hydroxyalprazolam	5.699	39374	209.70	58.9	202.57	447861	10.2634 ng/ml
alpha-PHP	4.944	42855	1666.91	263.0	1436.50	738829	10.7274 ng/ml
alpha-PVP	4.376	165612	687.32	51.5	7295.17	738829	9.9837 ng/ml
Alprazolam	5.775	118274	578.17	117.5	1077.25	447861	9.7609 ng/ml
Amphetamine	3.083	324724	488.61	50.0	1599.20	330847	10.3678 ng/ml
Benzoylcegonine	3.906	5136	232.61	6.1	5541.58	18274	9.6766 ng/ml
Buprenorphine	5.894	2784	91.53	16.1	491.61	95485	1.0613 ng/ml
Bupropion	4.801	152361	280.04	60.7	1548.50	547063	9.9156 ng/ml
Carisoprodol	5.724	118756	426.01	52.5	620.67	607163	9.5460 ng/ml
Citalopram	5.226	81066	4495.79	42.6	105437.60	379815	9.8549 ng/ml
Clonazepam	5.618	144208	953.58	33.2	6239.22	169312	10.1933 ng/ml
Clonazepam	5.555	90671	17739.77	37.3	51689.97	169312	10.0877 ng/ml
Cocaine	4.271	135136	5450.76	52.0	640.28	1271912	9.8046 ng/ml
Codeine	2.593	17672	2179.36	106.4	4121.16	87087	10.1917 ng/ml
Cyclobenzaprine	5.622	45754	272.91	9.6	35.08	183332	10.2153 ng/ml
Dextromethorphan	5.268	46103	116.63	81.2	82463.45	222631	9.7981 ng/ml
Dextrophan	4.118	47903	249.86	207.0	14698.21	596698	9.7907 ng/ml
Diazepam	5.953	74648	506.11	88.5	377.25	347777	9.9846 ng/ml
Dihydrocodeine	2.572	44526	6124.67	63.3	1193.06	259806	10.2275 ng/ml
Diphenhydramine	5.296	229054	11900.34	33.2	6557.34	1375249	9.8823 ng/ml
Doxylamine	4.549	334881	2878.22	98.3	465.73	1460378	10.1284 ng/ml
EDDP	5.261	114347	200.74	41.7	291.63	576965	10.1329 ng/ml
Etizolam	5.813	69683	4203.57	26.3	60534.28	169312	9.8801 ng/ml
Fentanyl	5.116	5427	636.26	67.3	8591.66	259654	0.9720 ng/ml
Flualprazolam	5.705	57493	1882.83	94.7	4985.54	447861	10.0919 ng/ml
Fluoxetine	5.700	50663	235.97	8.3	3459.45	204990	10.6359 ng/ml
Hydrocodone	3.032	67580	345.07	36.6	236.92	751729	10.6954 ng/ml
Hydromorphone	1.615	58772	703.55	74.5	25.18	11262	10.0322 ng/ml
Ketamine	4.065	130211	3741.35	38.2	859.36	605514	10.0936 ng/ml
Lamotrigine	4.294	12133	690.29	78.5	500.01	605514	10.1483 ng/ml
Levetiracetam	2.697	56128	1047.68	164.1	276.44	1654879	9.7571 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	136675	2150.88	56.8	188.72	169312	10.3249 ng/ml
MDA	3.216	219284	1232.46	24.6	184.16	559884	10.3867 ng/ml
MDMA	3.303	129628	113682.04	76.3	1320.94	125709	10.0301 ng/ml
Meprobamate	4.931	70766	7717.21	27.1	267.65	319863	10.5363 ng/ml
Methadone	5.653	148682	1802.50	44.4	2840.49	670277	9.8814 ng/ml
Methamphetamine	3.244	255677	2022.73	38.9	841.15	898547	10.4291 ng/ml
Metoprolol	4.333	33038	2854.77	86.3	844.20	1495171	10.3213 ng/ml
Mirtazapine	4.644	150221	2041.36	49.0	998.12	738829	10.6751 ng/ml
Mitragynine	5.250	22779	33595.08	40.1	5166.39	670277	10.7415 ng/ml
Morphine	1.253	9401	201.65	26.3	89.33	11262	10.4256 ng/ml
Norbuprenorphine	4.992	353	1671.64	113.5	1163.01	15017	1.0416 ng/ml
Nordiazepam	5.900	74626	461.94	58.4	232.12	253631	9.9785 ng/ml
Norfentanyl	4.093	29379	753.74	34.2	129.44	1272590	0.9754 ng/ml
Norhydrocodone	3.073	10776	43.69	42.5	48.12	105262	9.7354 ng/ml
Noroxycodone	2.923	76141	354.87	42.7	603.99	264186	9.9733 ng/ml
O-desmethyl-tramadol	3.383	278555	9352.56	6.7	425.94	1689667	9.9112 ng/ml
Oxazepam	5.756	156896	1263.32	76.6	953.50	618327	10.0895 ng/ml
Oxycodone	2.848	136366	995.35	25.5	465.36	589105	9.9260 ng/ml
Oxymorphone	1.411	67102	233.07	42.1	236.20	238346	10.0630 ng/ml
Phentermine	3.797	65081	677.09	4.5	11.96	760196	10.1179 ng/ml
Promethazine	5.538	93925	357.40	27.3	540.54	398575	9.9013 ng/ml
Pseudoephedrine	2.616	340739	4830.12	16.5	291.28	1654879	9.7189 ng/ml
Quetiapine	5.569	100768	210122.25	57.9	95135.89	134812	9.8794 ng/ml
Sertraline	5.769	21814	802.03	101.2	208.08	114552	9.1972 ng/ml
Temazepam	5.816	258014	316.41	29.6	380.95	1317506	9.6191 ng/ml
Tramadol	4.252	304392	551.87	3.6	181.48	1495171	10.2791 ng/ml
Trazodone	5.196	80858	149.85	80.0	151289.55	353330	9.7082 ng/ml
Venlafaxine	5.050	245902	322.23	39.9	424.09	1278016	9.8757 ng/ml
Zolpidem	4.948	298076	2534779.79	31.4	1199.50	1407439	10.2234 ng/ml

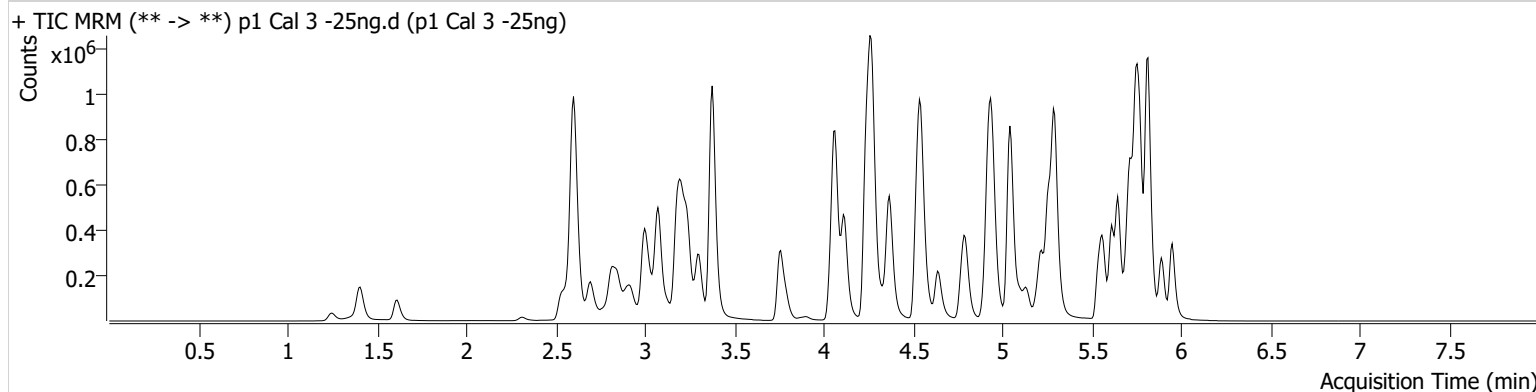


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument	Instrument 1	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-F12	Comment	
Injection Volume	2		
Acq. Date-Time	3/3/2021 8:20:23 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	8598	671.58	76.2	800.49	91578	2.3389 ng/ml
7-aminoclonazepam	4.278	123503	1527.15	83.0	2100.83	187744	23.1724 ng/ml
a-hydroxyalprazolam	5.699	101842	420.66	59.2	453.85	463723	27.2851 ng/ml
alpha-PPH	4.944	106103	375.64	260.9	11901.14	790301	25.9720 ng/ml
alpha-PVP	4.376	425558	837.06	52.6	5244.83	790301	23.9917 ng/ml
Alprazolam	5.775	314828	1497.96	113.6	20585.92	463723	24.7894 ng/ml
Amphetamine	3.076	830227	10271.74	49.7	1356.96	342037	27.8093 ng/ml
Benzoylecgonine	3.906	13069	366.59	7.4	277.95	19817	23.5288 ng/ml
Buprenorphine	5.894	5524	490.01	17.5	∞	83738	2.3405 ng/ml
Bupropion	4.795	390682	466.43	58.9	2903.83	568409	24.8457 ng/ml
Carisoprodol	5.724	310685	622956.59	52.6	1067.11	625030	23.9144 ng/ml
Citalopram	5.219	185433	3079.56	43.2	144751.64	358950	23.4925 ng/ml
Clonazepam	5.612	369778	7557.26	33.1	148.79	180497	25.4639 ng/ml
Clonazepam	5.555	241286	2982.54	35.8	130332.92	180497	25.5824 ng/ml
Cocaine	4.271	348948	41188.94	52.2	419.36	1369234	23.5882 ng/ml
Codeine	2.587	46718	4003.07	102.5	808.97	94884	25.9318 ng/ml
Cyclobenzaprine	5.622	67658	2522.12	9.1	84.13	113543	23.7881 ng/ml
Dextromethorphan	5.268	100577	222284.33	78.6	3590.04	194725	24.4795 ng/ml
Dextrophan	4.118	125057	659.36	206.1	1151.28	629521	24.0421 ng/ml
Diazepam	5.953	191106	415.60	88.1	6488.34	364745	24.5828 ng/ml
Dihydrocodeine	2.565	119712	1849.53	62.6	2454.34	282275	26.4082 ng/ml
Diphenhydramine	5.296	517282	741.32	33.4	1882.51	1290868	23.6506 ng/ml
Doxylamine	4.543	873625	45685.07	98.7	474.78	1564490	24.8278 ng/ml
EDDP	5.261	264511	15345.72	42.9	7825.27	566648	23.9033 ng/ml
Etizolam	5.813	176083	1820.89	26.2	2685.39	180497	22.7859 ng/ml
Fentanyl	5.116	10060	176.45	64.9	6229.47	198142	2.3659 ng/ml
Flualprazolam	5.705	147019	6899.81	96.9	15172.26	463723	25.5452 ng/ml
Fluoxetine	5.700	64650	505.31	8.8	14532.79	109782	25.1060 ng/ml
Hydrocodone	3.025	171133	∞	38.0	219.82	831199	25.6343 ng/ml
Hydromorphone	1.615	154444	402640.92	74.5	3503.14	11800	26.0053 ng/ml
Ketamine	4.059	334825	38860.41	39.9	428.11	658070	24.7670 ng/ml
Lamotrigine	4.287	30215	1492.66	79.3	2246.99	658070	25.8455 ng/ml
Levetiracetam	2.697	146351	2428.03	164.6	2963.16	1778135	23.2560 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	345422	5122.37	56.5	782.09	180497	26.0677 ng/ml
MDA	3.209	542277	2399.39	24.7	1293.53	576543	27.0013 ng/ml
MDMA	3.303	337195	4211.14	76.7	2499.33	132431	24.9342 ng/ml
Meprobamate	4.931	181658	13966.91	27.8	2016.64	344574	26.7930 ng/ml
Methadone	5.646	312054	617.38	45.2	22498.05	587329	23.7220 ng/ml
Methamphetamine	3.244	622154	972.91	38.3	1133.46	968479	26.1098 ng/ml
Metoprolol	4.333	86346	7307.50	89.3	119282.56	1614083	25.6800 ng/ml
Mirtazapine	4.637	356141	48742.10	47.8	4593.56	790301	22.8901 ng/ml
Mitragynine	5.243	44006	47953.81	39.2	45709.36	587329	24.6483 ng/ml
Morphine	1.253	23131	590.89	27.9	98.29	11800	24.8004 ng/ml
Norbuprenorphine	4.992	649	1727.66	118.5	47.62	13469	2.1666 ng/ml
Nordiazepam	5.900	188172	468995.02	58.6	467.75	262242	24.6752 ng/ml
Norfentanyl	4.086	75695	8364.73	33.3	219.01	1359206	2.2442 ng/ml
Norhydrocodone	3.073	26297	279.67	41.9	83.60	100894	23.3159 ng/ml
Noroxycodone	2.916	195734	1630.04	41.9	2491.44	277761	24.9012 ng/ml
O-desmethyl-tramadol	3.383	733359	29385.07	6.9	2278.97	1840086	23.9829 ng/ml
Oxazepam	5.756	403951	766.32	74.5	1708.21	664457	24.7764 ng/ml
Oxycodone	2.841	362805	562.05	26.9	1142.64	642374	24.8150 ng/ml
Oxymorphone	1.405	172901	∞	42.5	587.01	251735	25.0124 ng/ml
Phentermine	3.790	170482	532.34	4.6	56.69	808565	26.2048 ng/ml
Promethazine	5.538	139684	760.85	27.9	494.42	253547	23.4662 ng/ml
Pseudoephedrine	2.610	901490	21528.29	16.5	17896.31	1778135	23.4996 ng/ml
Quetiapine	5.562	220837	227.40	58.2	249524.07	123331	24.0733 ng/ml
Sertraline	5.769	30527	377.04	101.3	603.53	60540	24.4778 ng/ml
Temazepam	5.816	679705	1020.46	29.0	619.91	1381745	23.6962 ng/ml
Tramadol	4.252	790820	2565.20	3.7	165.79	1614083	25.5258 ng/ml
Trazodone	5.196	168113	443338.80	78.4	370009.03	293785	25.0037 ng/ml
Venlafaxine	5.043	631411	8766.11	40.9	2751.04	1352176	23.7502 ng/ml
Zolpidem	4.948	753895	795.75	31.9	2158.32	1522309	24.5105 ng/ml

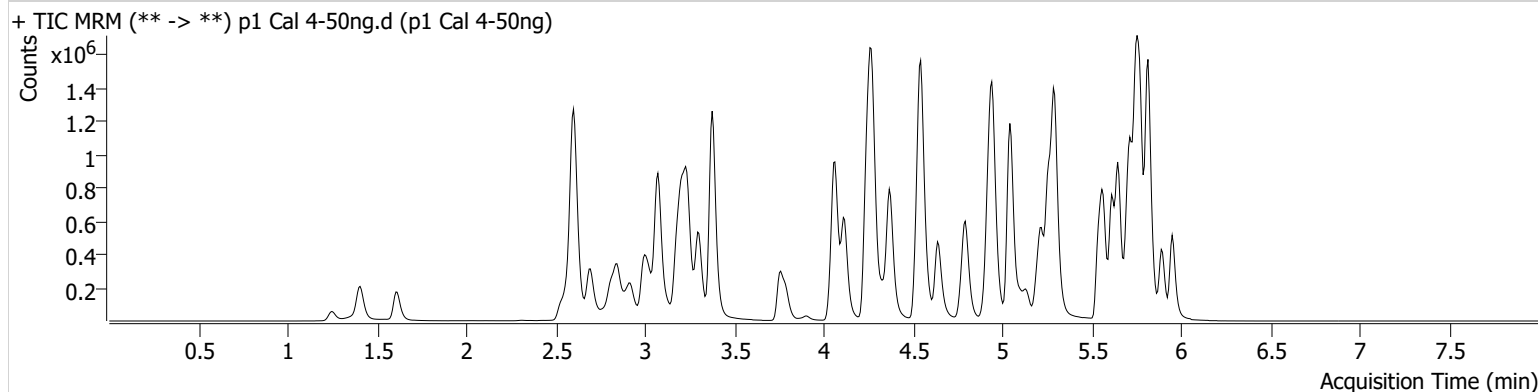


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument	Instrument 1	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-E12	Comment	
Injection Volume	2		
Acq. Date-Time	3/3/2021 8:30:58 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	17565	935.95	68.3	2692.16	84097	5.2571 ng/ml
7-aminoclonazepam	4.278	248055	4854.19	81.8	2486.61	165507	52.2324 ng/ml
a-hydroxyalprazolam	5.699	188618	434.71	57.3	387.05	420494	56.8745 ng/ml
alpha-PHP	4.944	215051	7199.65	267.2	21536.91	730949	57.9503 ng/ml
alpha-PVP	4.376	868391	17636.77	52.0	1899.33	730949	52.9400 ng/ml
Alprazolam	5.775	611623	2829.50	113.9	∞	420494	52.8888 ng/ml
Amphetamine	3.076	1579867	9318.74	49.7	9517.49	314768	59.0760 ng/ml
Benzoylecgonine	3.906	25529	98.12	7.8	8421.34	18350	50.3130 ng/ml
Buprenorphine	5.894	13342	15336.48	14.5	3516.83	91037	5.1416 ng/ml
Bupropion	4.795	800492	14655.81	60.4	554.57	533396	54.5517 ng/ml
Carisoprodol	5.724	571227	37352.10	55.4	2826.98	552253	49.5210 ng/ml
Citalopram	5.219	442105	3241.90	43.2	2128.50	380636	52.5023 ng/ml
Clonazepam	5.612	723839	19823.60	32.1	530.20	162444	56.1758 ng/ml
Clonazepam	5.555	448035	34480.69	37.5	368736.26	162444	53.0672 ng/ml
Cocaine	4.264	702878	31464.75	51.0	22471.45	1249441	52.1292 ng/ml
Codeine	2.587	88900	1582.77	101.4	300982.26	85990	55.3777 ng/ml
Cyclobenzaprine	5.622	256074	173.90	8.9	261.13	199184	50.8205 ng/ml
Dextromethorphan	5.268	240946	6815.74	79.2	3630.39	214965	53.1541 ng/ml
Dextrophan	4.118	252492	3145.25	207.1	6972.78	587019	51.9095 ng/ml
Diazepam	5.953	393047	818.47	87.9	2568.35	347721	53.2034 ng/ml
Dihydrocodeine	2.565	231029	1308.81	63.2	829.33	257896	56.6110 ng/ml
Diphenhydramine	5.296	1187320	46494.54	33.3	1519.66	1348258	51.8673 ng/ml
Doxylamine	4.543	1789005	1338.37	97.9	160064.47	1465657	54.4060 ng/ml
EDDP	5.261	582794	551.24	42.5	349.84	567605	52.6095 ng/ml
Etizolam	5.813	349962	9994.39	25.4	8487.55	162444	49.7608 ng/ml
Fentanyl	5.116	28726	1199.30	69.3	21689.90	254029	5.2733 ng/ml
Flualprazolam	5.705	282500	6638.39	96.1	75435.92	420494	54.6052 ng/ml
Fluoxetine	5.700	283587	10688.55	8.7	16051.78	221790	54.3097 ng/ml
Hydrocodone	3.025	337794	368.01	37.8	154.76	763689	56.0863 ng/ml
Hydromorphone	1.608	297442	2990.21	74.8	2303.51	10515	56.8566 ng/ml
Ketamine	4.059	665344	21276.20	39.3	264.34	605586	54.2319 ng/ml
Lamotrigine	4.287	59790	3430.58	79.1	302.50	605586	57.8840 ng/ml
Levetiracetam	2.697	291492	2665.53	164.4	7021.27	1590891	51.4091 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	623361	22650.89	56.5	1050.24	162444	53.4371 ng/ml
MDA	3.209	1037016	2786.48	24.5	2330.33	522640	58.5901 ng/ml
MDMA	3.303	666174	5457.64	77.6	3588.55	123162	53.0967 ng/ml
Meprobamate	4.931	330116	523.25	27.9	5911.05	309775	55.4041 ng/ml
Methadone	5.653	780139	11897.45	45.8	45316.16	665438	52.3907 ng/ml
Methamphetamine	3.238	1257419	1637.17	38.3	1016.08	895167	59.5111 ng/ml
Metoprolol	4.333	167282	136103.42	91.3	3491.66	1495409	54.2308 ng/ml
Mirtazapine	4.637	799528	45995.31	48.4	545.73	730949	54.6572 ng/ml
Mitragynine	5.243	113051	2831.01	40.0	2778.47	665438	56.9043 ng/ml
Morphine	1.253	45240	3071.97	27.8	132.67	10515	54.7175 ng/ml
Norbuprenorphine	4.992	1738	3294.52	91.5	15204.13	14783	5.3310 ng/ml
Nordiazepam	5.900	387646	8384.05	58.3	4665.08	248650	53.8885 ng/ml
Norfentanyl	4.086	151021	15812.89	33.8	56.33	1222376	4.8847 ng/ml
Norhydrocodone	3.073	47931	511.19	41.9	101.74	88178	47.5946 ng/ml
Noroxycodone	2.916	375765	6492.18	42.3	700.43	246484	54.2863 ng/ml
O-desmethyl-tramadol	3.383	1443537	75847.68	6.8	1249.55	1664255	52.2140 ng/ml
Oxazepam	5.756	750094	287.89	75.7	2999.88	567807	54.3450 ng/ml
Oxycodone	2.841	714867	1454.51	27.1	718.78	587575	53.9332 ng/ml
Oxymorphone	1.405	336108	∞	41.8	∞	227097	54.2682 ng/ml
Phentermine	3.790	347102	2846.23	4.7	496.66	763543	57.5149 ng/ml
Promethazine	5.538	525985	191.13	27.9	2216.60	427558	52.6937 ng/ml
Pseudoephedrine	2.610	1761832	24236.29	16.4	22005.88	1590891	50.9828 ng/ml
Quetiapine	5.562	531784	15586.41	57.2	322.08	134590	53.4717 ng/ml
Sertraline	5.776	136770	2350.54	101.2	339.49	125724	52.8956 ng/ml
Temazepam	5.816	1276010	867.56	29.4	1615.59	1202633	50.7533 ng/ml
Tramadol	4.252	1549714	1058.79	3.6	213.19	1495409	54.6151 ng/ml
Trazodone	5.196	423449	34282.52	78.4	442.51	347503	53.7927 ng/ml
Venlafaxine	5.043	1298716	32696.31	39.8	259.43	1273111	51.7038 ng/ml
Zolpidem	4.948	1546362	518.56	30.8	6175.15	1408164	54.9001 ng/ml

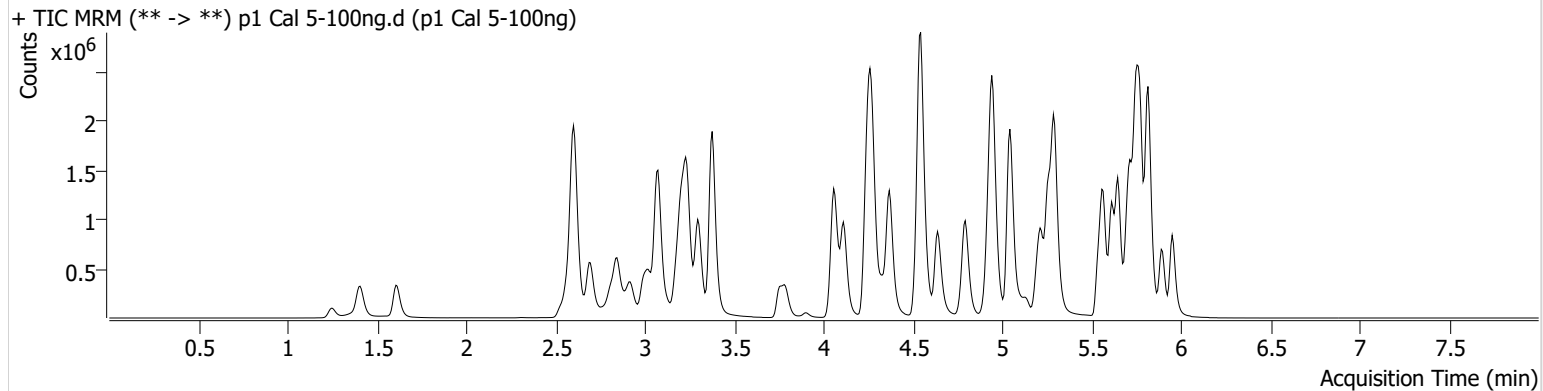


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument	Instrument 1	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-D12	Comment	
Injection Volume	2		
Acq. Date-Time	3/3/2021 8:41:34 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	35355	2765.37	72.4	1100.73	87660	10.1921 ng/ml
7-aminoclonazepam	4.278	475886	5038.61	81.2	5106.81	169759	97.3130 ng/ml
a-hydroxyalprazolam	5.692	329645	1047.65	59.3	2330.87	433687	97.1384 ng/ml
alpha-PHP	4.937	411836	17226.15	263.4	666.75	751056	108.7584 ng/ml
alpha-PVP	4.370	1695428	72572.07	52.9	713.39	751056	100.5974 ng/ml
Alprazolam	5.775	1203084	3632.10	114.5	∞	433687	100.6938 ng/ml
Amphetamine	3.076	2817554	1713.07	49.7	2402.93	311043	107.8034 ng/ml
Benzoylecgonine	3.899	49900	4163.28	7.8	858.28	18425	98.5224 ng/ml
Buprenorphine	5.894	23506	43484.74	12.9	3065.63	81168	10.1127 ng/ml
Bupropion	4.795	1466927	1236.83	60.5	553.93	532467	100.3558 ng/ml
Carisoprodol	5.724	1021679	83823.88	54.2	596.95	515562	94.6695 ng/ml
Citalopram	5.219	818502	21250.43	44.0	1367258.77	371913	99.2542 ng/ml
Clonazepam	5.612	1355141	41144.54	32.5	1025.46	162617	105.6434 ng/ml
Clonazepam	5.555	879585	1356812.16	37.6	506826.31	162617	104.3284 ng/ml
Cocaine	4.264	1368827	3651.72	51.6	22471.24	1281965	98.9891 ng/ml
Codeine	2.587	159296	9736.43	104.1	877.63	86806	98.9505 ng/ml
Cyclobenzaprine	5.615	379977	9876.23	8.6	620.43	149027	100.3639 ng/ml
Dextromethorphan	5.268	411248	1329.42	80.2	1675909.48	199461	97.7984 ng/ml
Dextrophan	4.111	508153	1308.58	206.3	3995.46	615888	99.4584 ng/ml
Diazepam	5.953	774113	826.67	87.2	20556.77	361128	101.0257 ng/ml
Dihydrocodeine	2.565	447062	347.74	63.1	290.32	274926	103.3696 ng/ml
Diphenhydramine	5.296	2223800	76032.85	33.1	1118.83	1319015	99.2173 ng/ml
Doxylamine	4.543	3695659	84445.65	99.0	190286.72	1583681	104.1180 ng/ml
EDDP	5.261	1110749	475.79	42.4	581.89	579384	98.2539 ng/ml
Etizolam	5.813	693772	2028.01	24.6	226655.71	162617	98.0886 ng/ml
Fentanyl	5.116	47549	2744.15	72.5	56.47	220944	10.0387 ng/ml
Flualprazolam	5.705	539591	4956.54	99.0	53206.03	433687	101.4862 ng/ml
Fluoxetine	5.700	316852	12858.23	9.2	61828.61	136856	98.2001 ng/ml
Hydrocodone	3.025	667444	2602.24	37.9	4327.92	792390	107.6053 ng/ml
Hydromorphone	1.608	573395	4402.00	75.6	2231976.34	11026	104.9926 ng/ml
Ketamine	4.059	1285541	2157.62	39.3	985.59	624655	102.1509 ng/ml
Lamotrigine	4.287	116224	2774.83	80.0	1810.53	624655	110.8587 ng/ml
Levetiracetam	2.697	544931	2031.25	164.3	901.14	1621656	94.0371 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1021139	3259.95	55.7	1840.96	162617	88.1812 ng/ml
MDA	3.209	1860502	10287.85	24.2	4393.61	507551	109.4855 ng/ml
MDMA	3.296	1325487	6543.08	77.7	6619.94	126791	102.7292 ng/ml
Meprobamate	4.924	593823	41988.50	27.4	8269.27	311140	100.1895 ng/ml
Methadone	5.646	1409440	1906.05	45.6	2808.69	634792	99.2558 ng/ml
Methamphetamine	3.238	2356064	2354.70	38.8	1661.44	950461	106.5799 ng/ml
Metoprolol	4.326	341131	311136.76	88.3	16865.53	1585905	104.7297 ng/ml
Mirtazapine	4.637	1499497	1304.93	47.9	5616.50	751056	99.2419 ng/ml
Mitragynine	5.243	191018	1314.71	39.7	692.21	634792	101.4097 ng/ml
Morphine	1.253	88041	9179.32	27.3	4859.24	11026	101.7500 ng/ml
Norbuprenorphine	4.992	3045	2118.03	96.9	6799.55	14045	9.8551 ng/ml
Nordiazepam	5.900	757926	3180.35	58.8	20438.04	255077	102.9225 ng/ml
Norfentanyl	4.086	297637	1383.55	34.6	59.27	1228348	9.5061 ng/ml
Norhydrocodone	3.066	85705	645.91	41.6	124.54	74003	100.3296 ng/ml
Noroxycodone	2.916	705502	5427.32	41.5	1134.11	243571	103.4635 ng/ml
O-desmethyl-tramadol	3.376	2915440	164432.68	6.8	7778.54	1741555	100.7880 ng/ml
Oxazepam	5.749	1326238	9647.56	72.3	6531.99	522888	104.7390 ng/ml
Oxycodone	2.841	1450005	1736.67	26.6	2592.85	621916	103.7345 ng/ml
Oxymorphone	1.405	647852	1212.18	41.7	361.52	237264	100.3915 ng/ml
Phentermine	3.790	654268	2169.63	4.5	60.17	791573	105.2929 ng/ml
Promethazine	5.538	731438	64448.08	27.8	2841.90	308854	101.6593 ng/ml
Pseudoephedrine	2.610	3414443	6091.65	16.5	56837.90	1621656	96.6649 ng/ml
Quetiapine	5.562	999696	2442.55	58.8	494.21	134811	100.6116 ng/ml
Sertraline	5.769	148641	∞	100.6	83.70	71635	100.9615 ng/ml
Temazepam	5.816	2390763	20712.10	28.9	551.74	1163241	98.0241 ng/ml
Tramadol	4.246	3079041	314399.41	3.7	1307.25	1585905	102.8089 ng/ml
Trazodone	5.196	761229	543.65	80.6	23526.65	327397	103.0820 ng/ml
Venlafaxine	5.043	2648541	32351.94	40.4	20429.79	1333000	100.5608 ng/ml
Zolpidem	4.948	3099888	23561.71	31.2	3834.86	1494346	104.1091 ng/ml

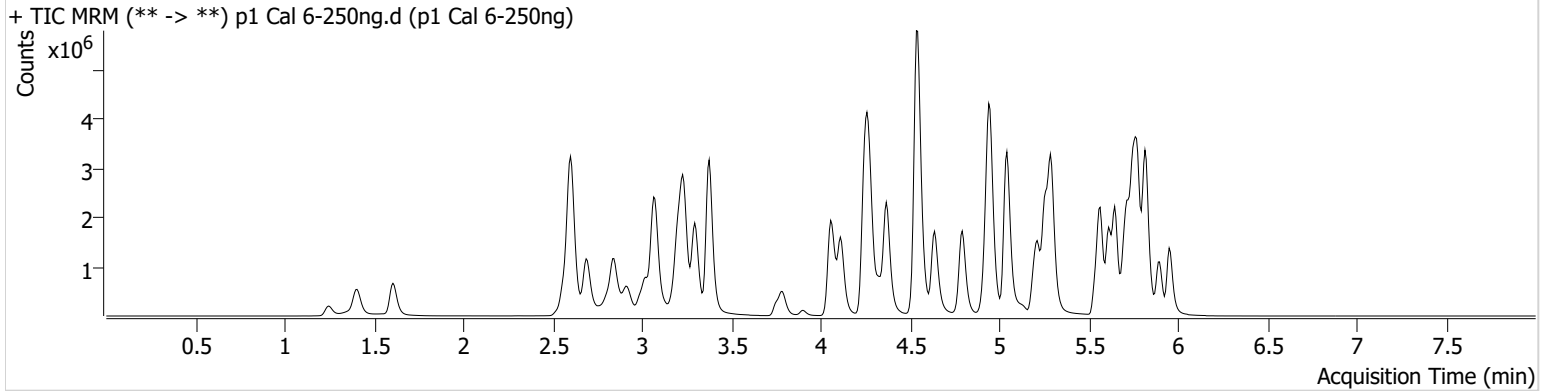


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument	Instrument 1	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-C12	Comment	
Injection Volume	2		
Acq. Date-Time	3/3/2021 8:52:10 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	79838	3167.08	70.5	1022.83	80961	24.9839 ng/ml
7-aminoclonazepam	4.278	888428	19295.55	81.5	7022.84	126062	243.9800 ng/ml
a-hydroxyalprazolam	5.692	523994	3129.72	57.9	5444.42	331237	203.3548 ng/ml
alpha-PHP	4.937	769178	792.81	267.5	8924.27	619783	247.2467 ng/ml
alpha-PVP	4.370	3456321	1479.40	52.5	2420.87	619783	248.5247 ng/ml
Alprazolam	5.775	2297928	11360.90	114.2	2250.38	331237	251.5244 ng/ml
Amphetamine	3.069	4804229	1240.94	49.5	1989.66	244040	236.0121 ng/ml
Benzoylecgonine	3.899	121333	6994.53	7.8	145.66	17742	249.7199 ng/ml
Buprenorphine	5.894	41351	4385.45	14.3	6580.36	59777	24.0893 ng/ml
Bupropion	4.795	2739260	228450.54	61.3	1538.04	409564	243.9990 ng/ml
Carisoprodol	5.724	1820905	5436.51	52.3	11957.89	348466	249.2670 ng/ml
Citalopram	5.219	1486930	134137.80	44.4	1302.61	274538	243.8930 ng/ml
Clonazepam	5.612	2463430	1574546.08	33.1	33037.68	121760	257.4445 ng/ml
Clonazepam	5.555	1629132	46251.93	37.4	793098.13	121760	258.4678 ng/ml
Cocaine	4.264	2760873	194846.02	51.5	21618.40	1043881	245.2686 ng/ml
Codeine	2.580	295976	6124.93	102.8	1984.69	73616	217.7985 ng/ml
Cyclobenzaprine	5.615	460241	665.99	8.9	817.44	76517	236.1747 ng/ml
Dextromethorphan	5.262	714544	16125.26	80.8	9682.45	137047	247.3532 ng/ml
Dextrophan	4.111	1011681	3840.69	209.5	31423.29	497524	244.9358 ng/ml
Diazepam	5.953	1504419	5066.47	87.2	17671.79	289537	245.0875 ng/ml
Dihydrocodeine	2.559	920052	530.73	64.5	358.37	250316	234.5883 ng/ml
Diphenhydramine	5.296	4247180	96934.17	32.6	19416.39	1002573	249.1667 ng/ml
Doxylamine	4.543	8011263	3214.52	96.9	50527.32	1394636	256.4624 ng/ml
EDDP	5.261	2507275	36348.67	42.9	34180.32	525351	244.6384 ng/ml
Etizolam	5.813	1334451	7071.59	25.5	2426.55	121760	251.2547 ng/ml
Fentanyl	5.116	76432	3209.28	69.1	57381.62	138677	25.7144 ng/ml
Flualprazolam	5.705	1023658	64783.16	98.6	119727.72	331237	252.7059 ng/ml
Fluoxetine	5.700	280928	19679.67	8.8	205.11	49599	239.9897 ng/ml
Hydrocodone	3.018	1341187	∞	39.1	236.61	695639	247.4379 ng/ml
Hydromorphone	1.608	1208390	3851.79	75.7	16241.76	9958	245.7407 ng/ml
Ketamine	4.059	2728437	982.66	37.9	2064.27	542051	250.7812 ng/ml
Lamotrigine	4.287	208630	2840.98	80.3	1678.45	542051	231.4675 ng/ml
Levetiracetam	2.690	1166563	16893.35	163.9	53587.39	1295438	251.5080 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1360118	20059.68	56.7	4238.02	121760	157.7697 ng/ml
MDA	3.203	3109096	2251.79	24.0	2407.74	383538	243.8991 ng/ml
MDMA	3.296	2651169	60593.31	77.9	7598.52	106387	245.0400 ng/ml
Meprobamate	4.924	975373	179923.05	27.2	8694.72	253467	203.2480 ng/ml
Methadone	5.646	2546227	805972.11	45.2	124369.54	466424	244.0942 ng/ml
Methamphetamine	3.238	4614899	5168.80	37.7	17766.23	816797	245.5325 ng/ml
Metoprolol	4.326	674828	1007.35	90.4	5208.15	1303983	252.6545 ng/ml
Mirtazapine	4.637	2933014	1874.56	48.1	60649.32	619783	234.3646 ng/ml
Mitragynine	5.243	317660	4782.46	41.4	1338.09	466424	230.5320 ng/ml
Morphine	1.247	193097	2449.73	27.8	7376.31	9958	247.4352 ng/ml
Norbuprenorphine	4.992	5460	29610.48	103.8	26.53	10022	24.8123 ng/ml
Nordiazepam	5.900	1398073	1634.49	59.1	1925.93	197759	245.2037 ng/ml
Norfentanyl	4.086	623784	2654.83	33.7	1712.54	1023995	23.7822 ng/ml
Norhydrocodone	3.066	168704	391.42	41.6	61.52	63417	229.2282 ng/ml
Noroxycodone	2.916	1291931	4567.51	41.6	5652.90	190214	243.0917 ng/ml
O-desmethyl-tramadol	3.376	6329631	∞	6.8	44741.93	1511437	252.1572 ng/ml
Oxazepam	5.756	1975612	9600.77	74.3	12782.85	326154	250.7348 ng/ml
Oxycodone	2.841	3107696	6007.74	26.6	1842.71	564255	245.6107 ng/ml
Oxymorphone	1.405	1284136	∞	43.1	514.02	191488	247.0266 ng/ml
Phentermine	3.790	1204813	2526.27	4.5	543.49	661939	232.9219 ng/ml
Promethazine	5.538	969037	519.85	28.3	2354.65	171573	242.7750 ng/ml
Pseudoephedrine	2.603	7045322	40778.11	16.1	43405.63	1295438	249.2179 ng/ml
Quetiapine	5.562	1860068	232303.51	59.1	23474.81	106068	238.3276 ng/ml
Sertraline	5.769	131916	3856.90	102.8	444.41	26334	243.8403 ng/ml
Temazepam	5.823	4054233	28519.70	28.8	1480.76	797021	242.1529 ng/ml
Tramadol	4.246	6299602	2832.87	3.6	3069.84	1303983	256.6528 ng/ml
Trazodone	5.196	1379576	1891.84	78.8	36603.81	246191	249.1209 ng/ml
Venlafaxine	5.043	5521321	93234.24	39.6	1213.51	1124260	248.3343 ng/ml
Zolpidem	4.948	6389029	8651.58	30.4	3563.68	1250432	257.0909 ng/ml



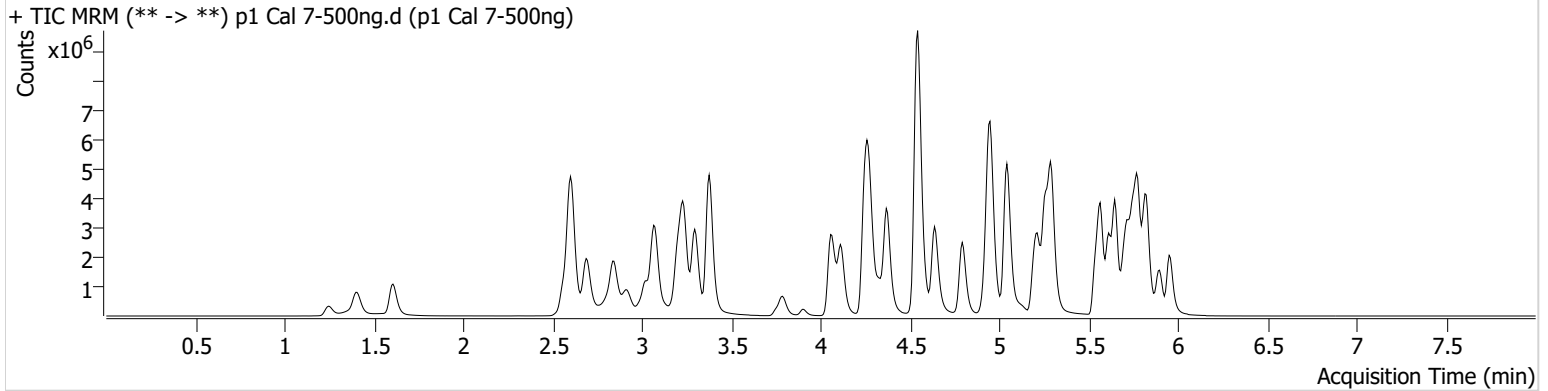
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B12
Injection Volume 2
Acq. Date-Time 3/3/2021 9:02:46 AM
Sample Info.

Data File p1 Cal 7-500ng.d
Sample p1 Cal 7-500ng
Operator Celena Shrum
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	148666	1470.38	72.2	24272.71	73615	51.2111 ng/ml
7-aminoclonazepam	4.285	1296721	4093.85	81.1	4690.64	86445	518.8128 ng/ml
a-hydroxyalprazolam	5.692	657386	81.16	57.3	1088.11	269775	313.8404 ng/ml
alpha-PHP	4.937	1159900	41262.68	267.7	102458.66	509598	454.1818 ng/ml
alpha-PVP	4.370	5743657	178780.71	53.2	2136.34	509598	502.2976 ng/ml
Alprazolam	5.775	3684534	17527.92	113.0	6538.80	269775	494.9932 ng/ml
Amphetamine	3.069	6161109	1934.82	49.6	3040.36	171379	432.2114 ng/ml
Benzoylecgonine	3.899	253388	433.25	7.8	248.99	18575	498.7098 ng/ml
Buprenorphine	5.894	66743	6023.73	14.8	26278.98	47536	48.8456 ng/ml
Bupropion	4.795	4087375	98618.17	60.2	16150.43	303709	491.2379 ng/ml
Carisoprodol	5.724	2439942	34169.07	53.9	6292.35	227527	511.3091 ng/ml
Citalopram	5.219	2601868	715.36	43.4	499.42	231954	504.8487 ng/ml
Clonazepam	5.612	3549469	36544.24	32.7	25346.58	94984	476.0847 ng/ml
Clonazepam	5.555	2407771	325121.68	38.1	1828093.62	94984	489.9312 ng/ml
Cocaine	4.264	4614327	2248.93	50.8	884.73	832926	513.8011 ng/ml
Codeine	2.580	437468	425.97	103.2	10364.95	63487	373.8822 ng/ml
Cyclobenzaprine	5.615	1333637	1882.15	9.1	848.31	104961	498.4176 ng/ml
Dextromethorphan	5.268	1229234	65448.15	79.0	113527.04	117521	496.2503 ng/ml
Dextrophan	4.118	1685334	2000.09	209.1	217249.46	407698	497.8015 ng/ml
Diazepam	5.953	2516947	19713.58	87.2	27984.31	236381	502.4013 ng/ml
Dihydrocodeine	2.559	1581615	32868.18	63.8	426.59	237441	425.7417 ng/ml
Diphenhydramine	5.296	7346376	122117.71	32.5	1290.04	848223	509.3175 ng/ml
Doxylamine	4.543	14126736	4918.91	96.7	182188.71	1254590	502.8266 ng/ml
EDDP	5.261	4607376	3974.69	42.2	12769.16	470489	501.9966 ng/ml
Etizolam	5.813	2271353	10324.51	25.0	3917.99	94984	547.6718 ng/ml
Fentanyl	5.116	171932	589.17	72.8	149161.11	167313	47.9465 ng/ml
Flualprazolam	5.705	1587577	7715.34	100.7	11339.05	269775	481.5900 ng/ml
Fluoxetine	5.700	802269	124565.75	8.5	116789.38	68958	492.7728 ng/ml
Hydrocodone	3.018	2331283	745.31	39.0	257.88	639407	468.7149 ng/ml
Hydromorphone	1.608	2087485	4510011.19	75.5	3500138.61	9119	464.0500 ng/ml
Ketamine	4.059	4630703	2693.80	37.9	900.34	473475	487.8820 ng/ml
Lamotrigine	4.287	321943	5574.25	81.1	6724.29	473475	410.4556 ng/ml
Levetiracetam	2.690	2031936	16407.26	162.9	1330.03	1036575	547.1341 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1422844	58390.28	55.8	815.47	94984	211.9692 ng/ml
MDA	3.203	4156052	5090.40	23.9	1450.10	282713	443.4972 ng/ml
MDMA	3.296	4377292	5472.13	77.7	3961.06	87695	490.9290 ng/ml
Meprobamate	4.924	1346238	37767.16	27.4	937.19	225641	315.7939 ng/ml
Methadone	5.646	4868828	26901.42	44.5	1182.99	427555	509.2245 ng/ml
Methamphetamine	3.238	6559638	8614.44	38.1	3750.49	638398	448.1983 ng/ml
Metoprolol	4.333	1103099	105739.15	90.9	11049.41	1108028	486.4874 ng/ml
Mirtazapine	4.637	5248359	10222.98	47.6	6551.58	509598	509.3062 ng/ml
Mitragynine	5.243	596254	84427.63	40.3	1486.74	427555	472.8901 ng/ml
Morphine	1.247	340836	395.74	27.5	∞	9119	477.1308 ng/ml
Norbuprenorphine	4.992	9148	11406.41	95.1	8489.66	8531	48.8638 ng/ml
Nordiazepam	5.900	2156294	2935.12	58.3	15747.98	152585	490.3849 ng/ml
Norfentanyl	4.086	1060192	50068.86	34.0	6890.80	794259	52.0203 ng/ml
Norhydrocodone	3.066	302898	∞	40.5	506.12	48959	531.8423 ng/ml
Noroxycodone	2.916	1920655	13315.67	42.7	2972.37	144201	477.0525 ng/ml
O-desmethyl-tramadol	3.376	11078939	91583.60	6.8	34402.38	1307706	510.1349 ng/ml
Oxazepam	5.749	2112962	8375.42	73.3	35642.64	181378	482.6160 ng/ml
Oxycodone	2.834	5475939	1994.57	26.6	1954.88	495195	493.5530 ng/ml
Oxymorphone	1.405	2223993	622.10	42.4	1620.74	167925	488.1695 ng/ml
Phentermine	3.790	1807213	∞	4.4	2127.11	554660	417.6510 ng/ml
Promethazine	5.538	2740582	3804.40	28.2	3236.61	235780	499.8812 ng/ml
Pseudoephedrine	2.603	11565649	131609.47	16.4	82360.23	1036575	510.9766 ng/ml
Quetiapine	5.562	3536348	173057.52	57.8	668.34	98096	490.2399 ng/ml
Sertraline	5.769	407460	8786.57	100.3	269.19	39061	507.8629 ng/ml
Temazepam	5.823	5491623	88613.13	28.5	14581.28	516645	505.6747 ng/ml
Tramadol	4.246	10166126	102145.13	3.7	1591.46	1108028	487.9305 ng/ml
Trazodone	5.196	2946138	225033.96	79.9	90969.25	261559	501.2400 ng/ml
Venlafaxine	5.043	9479293	56036.24	39.7	∞	954093	502.2395 ng/ml
Zolpidem	4.948	11199510	12082.82	30.2	15079.21	1157568	487.2190 ng/ml

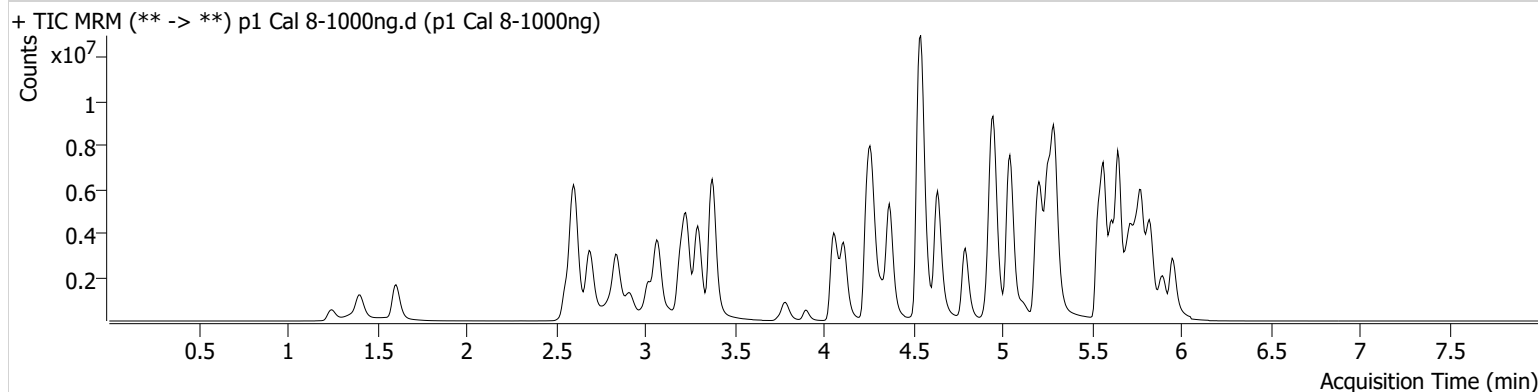


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\030221 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/5/2021 11:08:52 AM

Instrument	Instrument 1	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P2-A12	Comment	
Injection Volume	2		
Acq. Date-Time	3/3/2021 9:13:22 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	278114	4955.78	71.3	2145.02	70219	100.4770 ng/ml
7-aminoclonazepam	4.285	1603768	8644.76	82.2	4523.72	53251	1041.1877 ng/ml
a-hydroxyalprazolam	5.685	730473	528.48	58.5	363.11	187966	501.1648 ng/ml
alpha-PHP	4.937	1615076	607.39	268.8	80118.92	399803	806.7638 ng/ml
alpha-PVP	4.370	8752127	∞	54.1	104712.82	399803	975.5974 ng/ml
Alprazolam	5.775	4999885	872.41	113.3	4225.45	187966	963.8620 ng/ml
Amphetamine	3.076	7518318	112365.90	49.4	21685.75	107468	842.4748 ng/ml
Benzoylcegonine	3.899	565767	22074.73	7.8	4623.77	19241	1075.6844 ng/ml
Buprenorphine	5.900	154397	12323.53	14.7	20753.27	51473	104.2965 ng/ml
Bupropion	4.795	5494249	73197.25	60.4	73373.50	207971	964.5423 ng/ml
Carisoprodol	5.730	3077973	52100.52	52.9	22455.72	133669	1097.6680 ng/ml
Citalopram	5.219	4886582	29199.97	44.1	5266.90	213047	1032.0373 ng/ml
Clonazepam	5.612	3929331	45271.06	32.6	30080.41	60493	828.0232 ng/ml
Clonazepam	5.555	2712163	124332.95	38.2	1119.54	60493	866.7249 ng/ml
Cocaine	4.264	7043947	980.73	50.9	4904.95	642068	1017.5348 ng/ml
Codeine	2.580	638132	1378.26	98.1	259.62	49517	699.9723 ng/ml
Cyclobenzaprine	5.615	4304097	23020.71	8.6	5473.68	158093	1067.4563 ng/ml
Dextromethorphan	5.268	2570396	399.12	78.8	504.71	120898	1008.7347 ng/ml
Dextrophan	4.111	2735547	187058.21	207.9	5864.31	317848	1036.2789 ng/ml
Diazepam	5.960	3649252	15460.82	88.6	54354.93	179192	961.0262 ng/ml
Dihydrocodeine	2.559	2475474	613.21	64.5	419.41	230333	687.3746 ng/ml
Diphenhydramine	5.296	13876432	1487.96	34.2	18172.71	809681	1007.7477 ng/ml
Doxylamine	4.544	21472651	215677.55	98.0	512986.59	1129555	848.9784 ng/ml
EDDP	5.261	7947033	678.99	41.8	72837.34	401291	1015.2076 ng/ml
Etizolam	5.813	3417627	11250.43	25.4	1693486.47	60493	1293.2764 ng/ml
Fentanyl	5.116	538681	3487.91	71.1	912437.97	247203	101.6777 ng/ml
Flualprazolam	5.705	2080847	26910.91	102.7	192131.86	187966	906.3212 ng/ml
Fluoxetine	5.700	2014622	73899.80	8.8	661.21	89086	957.6789 ng/ml
Hydrocodone	3.018	3680207	626.37	40.7	530.03	567553	834.2855 ng/ml
Hydromorphone	1.608	3379552	2686878.54	75.7	1105653.81	7766	882.6615 ng/ml
Ketamine	4.059	7548784	2494.46	37.6	1159.66	406594	926.7327 ng/ml
Lamotrigine	4.287	443283	14119.71	82.4	1044.16	406594	659.3299 ng/ml
Levetiracetam	2.690	3455789	63832.87	164.8	8700.36	739573	1303.8091 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1367980	19195.77	55.7	484.24	60493	320.5821 ng/ml
MDA	3.203	5650072	78856.91	23.4	7568.14	211611	806.7114 ng/ml
MDMA	3.296	6785280	239996.46	78.1	15217.73	69806	956.1187 ng/ml
Meprobamate	4.917	1651566	68779.37	27.0	6740.90	189846	461.0213 ng/ml
Methadone	5.653	10909364	109881.22	46.4	117450.20	480257	1015.8251 ng/ml
Methamphetamine	3.238	8392593	10925.34	37.4	11187.81	442756	828.5478 ng/ml
Metoprolol	4.326	1629374	82722.94	90.1	53566.17	929772	856.7221 ng/ml
Mirtazapine	4.637	11105545	∞	48.2	7785.98	399803	1372.5793 ng/ml
Mitragynine	5.243	1367428	36577.69	40.4	23044.18	480257	966.3341 ng/ml
Morphine	1.247	570866	∞	28.4	3337.88	7766	938.5945 ng/ml
Norbuprenorphine	4.992	20116	125.16	97.3	346.50	8568	107.0287 ng/ml
Nordiazepam	5.900	2835696	75286.64	59.4	1538.36	103463	951.3044 ng/ml
Norfentanyl	4.086	1704023	62693.97	33.9	15646.38	566923	117.0425 ng/ml
Norhydrocodone	3.066	512753	194.56	40.8	119.18	39099	1126.2960 ng/ml
Noroxycodone	2.909	2722455	1665.16	43.5	39071.68	100897	966.7908 ng/ml
O-desmethyl-tramadol	3.376	17204857	704661.34	7.2	4201.91	1078109	960.9295 ng/ml
Oxazepam	5.749	1852889	42006.73	74.0	2565.71	84339	910.5403 ng/ml
Oxycodone	2.834	9623559	1781.07	26.6	1371.55	460560	932.9796 ng/ml
Oxymorphone	1.405	3648930	331.37	41.7	∞	141513	950.7389 ng/ml
Phentermine	3.790	2544524	∞	4.3	1553.66	439495	742.8191 ng/ml
Promethazine	5.538	8707087	165791.75	28.4	269570.27	367778	1018.4135 ng/ml
Pseudoephedrine	2.603	17085795	219189.18	16.5	115478.39	739573	1057.6841 ng/ml
Quetiapine	5.562	7578306	287414.23	59.1	278064.86	99831	1032.6280 ng/ml
Sertraline	5.769	874224	10940.68	99.5	21457.63	42387	1004.1932 ng/ml
Temazepam	5.830	6095801	42348.26	28.6	12453.30	266961	1085.9338 ng/ml
Tramadol	4.246	14968146	1769.71	3.9	7082.29	929772	856.5625 ng/ml
Trazodone	5.196	7854866	1391.29	80.4	200828.45	381139	917.5047 ng/ml
Venlafaxine	5.043	15185114	264523.15	41.0	2427.86	758120	1012.3706 ng/ml
Zolpidem	4.948	18023011	72523.84	31.8	5026.35	1038717	874.1379 ng/ml