

APPROVED

By Anne Nord at 1:05 pm, Feb 10, 2022

2/9/2022

Worklist: 5581

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-0156	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0291	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0342	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0450	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0046	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0206	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0222	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0240	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0273	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0274	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0275	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0277	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0285	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0300	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0309	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0320	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0321	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0329	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0334	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

SC

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

Extraction Date: 02/08/2022
Plate lot#: IDP-121-211018

Analyst: Sarah Collins
Retest Date: 04/18/2022

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

Blank Blood Lot: Lampire 20L20725
LCMS-QQQ ID: 069901

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

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

Pre-Analytic:

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

Analytic:

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

Post-Analytic

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

COMMENTS: *Curves limited: 7-aminoclonazepam 5-500, a-hydroxyalprazolam 5-250, amphetamine 5-500, buprenorphine 0.5-50, dihydrocodeine 5-500, lamotrigine 5-500, lorazepam 5-100, meprobamate 5-250, norbuprenorphine 2.5-100, norfentanyl 0.5-50, norhydrocodone 5-500*
Did not evaluate mirtazapine

Reinjected m2022-0291-3 and p2022-0273-1 due to retention time shifts. Reinject data used. QC 100 was also reinjected per analytical method.

Analytical plate map

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1			IS + Cal. 1	IS + QC_1			p2022-0321-1	p2022-0309-1	p2022-0206-1	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2			IS + Cal. 2	IS + QC_2			p2022-0320-1	p2022-0046-1	m2022-0156-2	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3			IS + Cal. 3	IS + QC_3			p2022-0285-1	p2022-0300-1	negative blood	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4			IS + Cal. 4	IS + QC_4			p2022-0277-1	m2022-0450-2	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2			IS + Cal. 5	IS + QC_2			p2022-0275-1 blank start	p2022-0274-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6				IS + Cal. 6				p2022-0222-1	m2022-0342-3	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7				IS + Cal. 7				p2022-0329-1	p2022-0273-1	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8				IS + Cal. 8			p2022-0334-1	p2022-0240-1	m2022-0291-3	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

SLE plate map

	1	2	3	4	5	6	7	8	9	10	11	12
A		p2022-0321-1	p2022-0309-1	p2022-0206-1	IS + Cal. 8							
B		p2022-0320-1	p2022-0046-1	m2022-0156-2	IS + Cal. 7							
C		p2022-0285-1	p2022-0300-1	negative blood	IS + Cal. 6							
D		p2022-0277-1	m2022-0450-2	IS + QC_2	IS + Cal. 5							
E		p2022-0275-1 blank start	p2022-0274-1	IS + QC_4	IS + Cal. 4							
F		p2022-0222-1	m2022-0342-3	IS + QC_3	IS + Cal. 3							
G		p2022-0329-1	p2022-0273-1	IS + QC_2	IS + Cal. 2							
H	p2022-0334-1	p2022-0240-1	m2022-0291-3	IS + QC_1	IS + Cal. 1							

All wells to contain 60 µl of Trapping Solution

SC

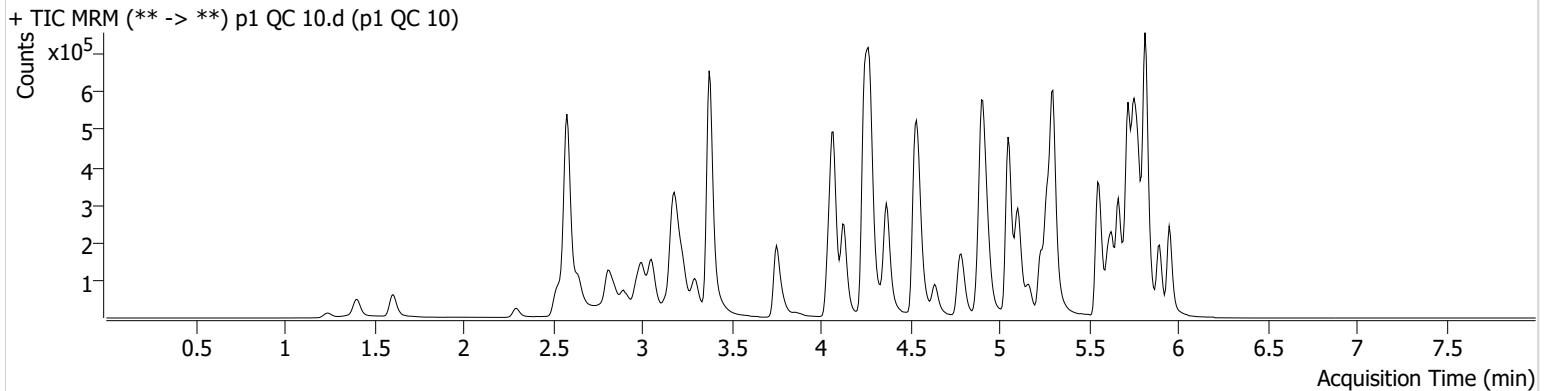


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument	Falco (069901)	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P6-H4	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2022 10:11:16 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	2532	143.12	74.3	286.70	72214	0.9603 ng/ml
7-aminoclonazepam	4.265	66253	151.37	80.1	189.03	239870	10.6238 ng/ml
a-hydroxyalprazolam	5.699	33856	507.43	65.5	191.83	389323	10.5617 ng/ml
alpha-PHP	4.944	29199	1082.83	258.6	2077.63	569836	11.1014 ng/ml
alpha-PVP	4.376	126841	3771.90	51.5	868.66	569836	9.8549 ng/ml
Alprazolam	5.782	101803	409.41	111.2	1671.90	389323	9.6362 ng/ml
Amphetamine	3.056	193375	2125.79	52.4	928.42	286762	10.5819 ng/ml
Benzoylcegonine	3.886	4671	121.49	6.7	∞	14374	11.0820 ng/ml
Buprenorphine	5.853	1880	51.70	15.6	934.19	65469	1.0028 ng/ml
Bupropion	4.801	98980	274.98	63.5	878.97	363028	10.0790 ng/ml
Carisoprodol	5.730	122853	10947.15	54.0	1077.04	557158	10.4943 ng/ml
Citalopram	5.232	66694	958.38	38.5	218.76	303075	10.0831 ng/ml
Clonazepam	5.612	123077	3927.80	35.2	517.15	155345	10.5619 ng/ml
Clonazepam	5.555	81766	25823.71	34.9	55157.34	155345	10.4429 ng/ml
Cocaine	4.277	100516	388.00	55.0	∞	905740	9.8780 ng/ml
Codeine	2.587	15442	3799.72	101.6	345.24	77249	10.1026 ng/ml
Cyclobenzaprine	5.635	56539	1422.81	7.9	53.81	238594	10.1179 ng/ml
Dextromethorphan	5.282	39180	4649.46	78.6	4801.47	187519	10.0605 ng/ml
Dextrophan	4.132	34986	1017.41	217.2	441.13	420297	9.7105 ng/ml
Diazepam	5.960	72378	439.35	91.4	2070.18	350501	10.1229 ng/ml
Dihydrocodeine	2.559	35751	97.57	65.2	99.16	227245	9.1857 ng/ml
Diphenhydramine	5.303	183009	17642.80	31.0	735.99	1031655	9.8933 ng/ml
Doxylamine	4.549	269878	2098.19	101.1	2061.79	1201313	10.1213 ng/ml
EDDP	5.268	76611	2390.94	40.7	∞	429030	10.1809 ng/ml
Etizolam	5.820	42991	6951.77	26.1	18594.04	155345	9.8046 ng/ml
Fentanyl	5.109	5125	361.40	80.9	15722.13	315900	0.9624 ng/ml
Flualprazolam	5.705	46559	1298.80	94.0	8114.02	389323	10.5091 ng/ml
Fluoxetine	5.721	66474	353.36	9.0	507.17	247999	9.7077 ng/ml
Hydrocodone	3.025	53089	442.65	32.7	211.33	300338	10.1986 ng/ml
Hydromorphone	1.615	41892	827.99	75.5	254.14	136440	10.2362 ng/ml
Ketamine	4.065	108838	3247.70	38.1	201.25	494960	10.3736 ng/ml
Lamotrigine	4.287	11422	280.45	83.1	943.12	494960	10.6487 ng/ml
Levetiracetam	2.649	58631	1204.81	145.9	1151.39	1299751	8.6634 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	105680	915.38	51.1	121.07	155345	10.6560 ng/ml
MDA	3.209	135319	779.51	28.2	267.49	435264	10.6155 ng/ml
MDMA	3.303	78671	1164.74	92.5	1089.10	95766	10.0935 ng/ml
Meprobamate	4.911	68833	12243.04	25.4	1498.31	344969	10.4158 ng/ml
Methadone	5.666	100391	2785.36	52.5	2274.04	442730	10.0539 ng/ml
Methamphetamine	3.231	156123	577.71	39.7	1633.95	635793	10.7572 ng/ml
Metoprolol	4.340	25900	1279.79	91.2	1519.42	1231289	10.8532 ng/ml
* Mirtazapine	4.637	132274	1204.68	46.8	337.08	569836	13.1030 ng/ml
Mitragynine	5.244	20347	289.05	36.3	1121.57	442730	11.8158 ng/ml
Morphine	1.247	6097	228.51	18.5	75.47	11052	9.9385 ng/ml
** Norbuprenorphine	5.006	234	502.63	94.4	349.08	8724	1.1183 ng/ml
Nordiazepam	5.900	74131	626.03	58.4	5637.99	253174	10.1084 ng/ml
Norfentanyl	4.093	20457	186.77	37.7	159.57	965152	0.9726 ng/ml
Norhydrocodone	3.073	7287	48.35	41.5	37.78	72174	9.4523 ng/ml
Noroxycodone	2.916	49524	567.21	48.6	16.52	159734	10.2456 ng/ml
O-desmethyl-tramadol	3.383	248177	7294.23	5.7	3807.07	1494740	9.7346 ng/ml
Oxazepam	5.756	135598	872.93	74.3	1043.67	527987	10.2898 ng/ml
Oxycodone	2.841	99912	324.70	28.9	423.54	414752	10.0442 ng/ml
Oxymorphone	1.405	35926	213.24	50.6	3504.23	124490	9.2187 ng/ml
Phentermine	3.790	46691	861.64	5.2	28.50	545422	10.2600 ng/ml
Promethazine	5.552	98401	4443.26	30.5	840.95	437250	10.0018 ng/ml
Pseudoephedrine	2.589	254648	2828.46	17.4	3177.61	1299751	9.8812 ng/ml
Quetiapine	5.569	99692	2642.83	59.8	3109.37	142931	9.8687 ng/ml
Sertraline	5.796	30147	772.13	94.7	350.53	133029	10.3515 ng/ml
Temazepam	5.823	223730	844.33	28.5	887.89	1135532	9.6898 ng/ml
Tramadol	4.259	244035	268.98	3.2	53.72	1231289	9.9508 ng/ml
Trazodone	5.163	96454	2476.79	75.9	2055.16	381638	10.2749 ng/ml
Venlafaxine	5.050	169808	493.43	35.5	236.11	980530	9.8025 ng/ml
Zolpidem	4.928	266443	3198.07	30.4	290.09	1157319	10.2420 ng/ml

*Did not evaluate

**OCR

AM #28 Multi-Drug Quant. Results

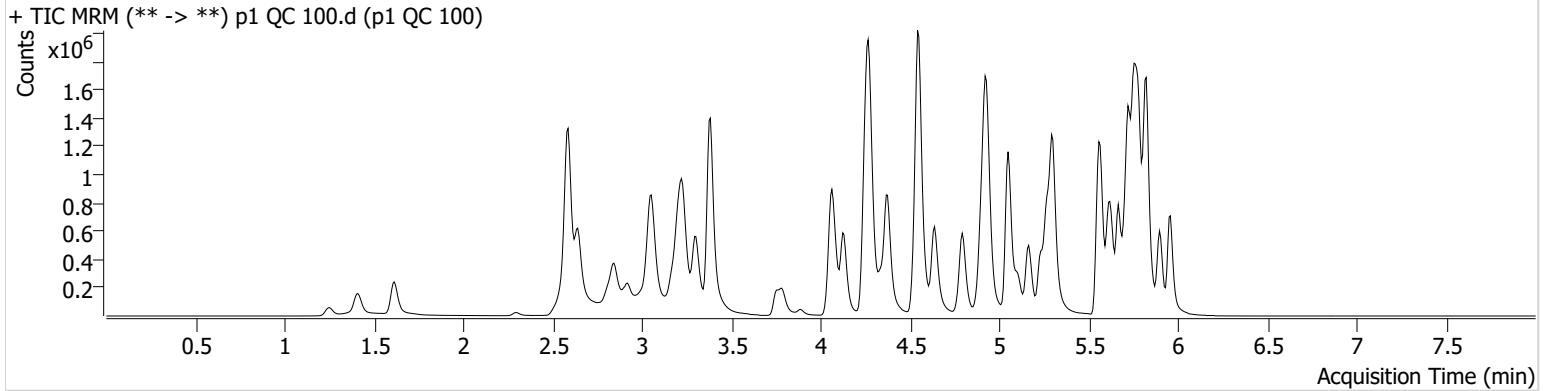
SC



Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument	Falco (069901)	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P6-G4	Comment	
Injection Volume	2		
Acq. Date-Time	2/9/2022 4:22:44 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	23960	29822.63	73.9	652.64	66570	9.8612 ng/ml
7-aminoclonazepam	4.265	544147	45532.67	80.3	30254.76	213639	104.4931 ng/ml
a-hydroxyalprazolam	5.699	244373	1526.70	68.1	672.60	329161	98.9698 ng/ml
alpha-PHP	4.944	237401	1757.25	259.0	15411.04	507884	101.1733 ng/ml
alpha-PVP	4.376	1104206	28717.78	51.9	10023.60	507884	95.7176 ng/ml
Alprazolam	5.782	899397	760.19	110.6	1764.04	329161	96.9912 ng/ml
Amphetamine	3.056	1707464	423.14	48.6	11090.18	256355	107.9771 ng/ml
Benzoylcegonine	3.886	43708	45937.96	7.7	90.65	14402	100.3445 ng/ml
Buprenorphine	5.853	12869	598.80	15.2	2655.83	46394	10.0184 ng/ml
Bupropion	4.795	834442	35781.15	63.1	15478.76	306649	101.1662 ng/ml
Carisoprodol	5.730	927375	66286.96	55.0	292.48	421744	93.4803 ng/ml
Citalopram	5.232	488617	10544.57	37.9	648889.58	228680	96.9888 ng/ml
Clonazepam	5.612	992953	5794.86	35.4	2023.99	130781	107.3571 ng/ml
Clonazepam	5.555	664113	763299.00	36.2	516921.19	130781	107.8706 ng/ml
Cocaine	4.271	886734	21660.70	54.7	33980.07	799425	99.1146 ng/ml
Codeine	2.580	135879	46.75	100.7	5522.50	69070	107.0280 ng/ml
Cyclobenzaprine	5.635	385451	16626.88	7.8	163.02	164722	97.4392 ng/ml
Dextromethorphan	5.275	281986	2036.47	81.0	10858.24	138704	98.1188 ng/ml
Dextrophan	4.132	305818	11699.56	211.2	46920.44	366968	97.1407 ng/ml
Diazepam	5.960	622756	11176.69	92.4	16215.66	310313	100.5896 ng/ml
Dihydrocodeine	2.552	345448	495.39	61.0	165.47	217264	110.4107 ng/ml
Diphenhydramine	5.303	1385552	32666.55	31.2	311.66	769071	99.5281 ng/ml
Doxylamine	4.549	2457100	25062.00	100.2	364228.65	1106097	99.0427 ng/ml
EDDP	5.268	613392	22607.54	41.2	96001.65	355293	97.9807 ng/ml
Etizolam	5.820	373853	8463.72	26.2	245826.61	130781	97.6672 ng/ml
Fentanyl	5.109	36716	855.43	75.5	786.40	220681	10.2849 ng/ml
Flualprazolam	5.705	380035	26486.77	101.1	20451.97	329161	105.2301 ng/ml
Fluoxetine	5.721	401175	30378.56	9.1	213397.07	148233	97.9764 ng/ml
Hydrocodone	3.025	461521	340.42	34.2	122.19	274803	101.7168 ng/ml
Hydromorphone	1.615	393479	482371.98	75.0	3613.73	126503	102.9160 ng/ml
Ketamine	4.059	975615	24093.25	38.8	5438.23	460168	103.7240 ng/ml
Lamotrigine	4.287	94839	1765.21	84.4	2999.75	460168	104.4853 ng/ml
Levetiracetam	2.643	544457	9602.94	141.9	506.62	1126466	100.8153 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	635695	4905.98	51.9	1022.88	130781	93.3374 ng/ml
MDA	3.209	1075020	3084.91	28.7	1932.80	362675	105.7463 ng/ml
MDMA	3.303	692057	1058917.99	91.5	4737.52	83395	101.0278 ng/ml
Meprobamate	4.911	534709	37685.59	24.9	12044.66	311787	97.4062 ng/ml
Methadone	5.666	735012	1117.06	53.0	155846.93	327622	96.9953 ng/ml
Methamphetamine	3.231	1366197	20884.23	39.2	23078.87	585195	107.4204 ng/ml
Metoprolol	4.340	220573	233640.43	94.8	3827.51	1140822	102.0201 ng/ml
* Mirtazapine	4.637	1054283	86564.55	46.3	7233.57	507884	104.3654 ng/ml
Mitragynine	5.244	141193	296384.16	36.0	2028.24	327622	117.6719 ng/ml
Morphine	1.253	58319	285.87	20.0	3150.52	10827	97.0501 ng/ml
Norbuprenorphine	5.006	1671	405.60	94.5	41.81	6517	11.7306 ng/ml
Nordiazepam	5.900	615742	14540.26	58.8	17196.61	211369	102.7992 ng/ml
Norfentanyl	4.093	187714	671.19	35.6	2119.83	848031	9.6888 ng/ml
Norhydrocodone	3.073	62247	821.08	40.6	204.25	53967	100.4139 ng/ml
Noroxycodone	2.916	418245	3384.00	46.6	1044.24	137996	102.5303 ng/ml
O-desmethyl-tramadol	3.383	2288777	64011.32	5.6	427.61	1391073	95.2048 ng/ml
Oxazepam	5.756	952970	9869.91	72.7	2146.57	375941	105.3922 ng/ml
Oxycodone	2.841	918712	696.86	29.4	3820.67	385289	101.5059 ng/ml
Oxymorphone	1.412	315865	∞	48.2	412.80	112335	92.0450 ng/ml
Phentermine	3.790	394316	1025.01	5.4	239.17	485703	104.4778 ng/ml
Promethazine	5.552	672154	40329.37	30.6	2165.30	302145	98.5120 ng/ml
Pseudoephedrine	2.589	2302009	1062.38	17.0	36998.18	1126466	99.8756 ng/ml
Quetiapine	5.569	779324	86506.87	60.3	48072.76	113494	102.0897 ng/ml
Sertraline	5.796	191535	1049.04	95.4	40277.28	87993	95.4352 ng/ml
Temazepam	5.823	1720898	16416.90	26.6	1127.58	872840	101.3535 ng/ml
Tramadol	4.252	2095446	921.65	3.3	885.66	1140822	98.5625 ng/ml
Trazodone	5.163	714094	1370428.68	77.3	2206967.13	291095	99.6890 ng/ml
Venlafaxine	5.050	1525973	50478.48	34.2	372.80	859396	98.0527 ng/ml
Zolpidem	4.921	2414124	8766.49	30.0	118584.85	1079210	104.0378 ng/ml

*Did not evaluate

AM #28 Multi-Drug Quant. Results

SC

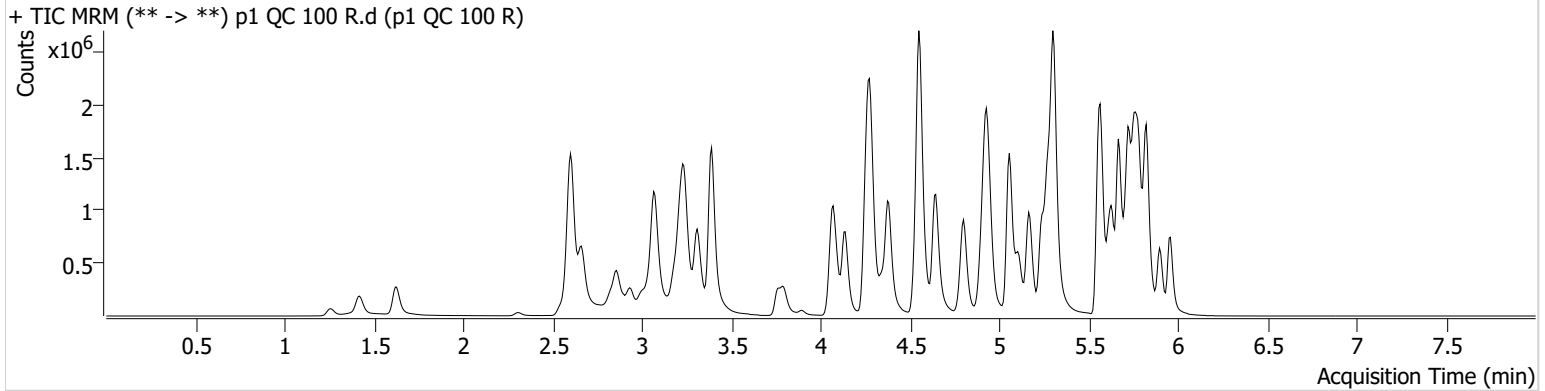


Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument Falco (069901) **Data File** p1 QC 100 R.d
Type QC **Sample** p1 QC 100 R
Acq. Method AM 28 MDQ P1.m **Operator** Sarah Collins
Sample Position P6-G4 **Comment**
Injection Volume 2
Acq. Date-Time 2/9/2022 10:00:56 AM
Sample Info.

Reinjected after case samples that needed to be reinjected.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	27864	391.85	71.2	85210.54	80143	9.5259 ng/ml
7-aminoclonazepam	4.271	577183	29180.17	80.4	3527.92	232021	102.0379 ng/ml
a-hydroxyalprazolam	5.699	248803	854.48	69.6	2356.29	362779	91.3372 ng/ml
alpha-PHP	4.950	361474	19674.82	257.9	316186.08	637927	122.6437 ng/ml
alpha-PVP	4.383	1393276	17056.85	52.3	31681.64	637927	96.1547 ng/ml
Alprazolam	5.782	955604	2492.16	110.1	∞	362779	93.5170 ng/ml
Amphetamine	3.069	2360064	719.35	48.9	600.08	370575	103.2279 ng/ml
Benzoylcegonine	3.892	47860	7422.84	7.9	76.33	15494	102.1292 ng/ml
Buprenorphine	5.853	30197	6590.41	14.9	7022.78	107944	10.1045 ng/ml
Bupropion	4.801	1305729	124836.47	63.9	12104.24	485848	99.9149 ng/ml
Carisoprodol	5.730	1022322	401785.51	56.0	5965.58	469138	92.6516 ng/ml
Citalopram	5.239	1001709	6982.45	37.8	809.20	456348	99.6355 ng/ml
Clonazepam	5.618	1005824	2574.33	35.3	48686.00	140015	101.5386 ng/ml
Clonazepam	5.555	659016	695808.35	37.9	608208.94	140015	99.9233 ng/ml
Cocaine	4.277	1016769	764.72	55.1	43623.20	936669	96.9960 ng/ml
Codeine	2.600	143966	4058.43	99.3	16293.28	75824	103.2676 ng/ml
Cyclobenzaprine	5.635	827465	45187.13	7.3	6961.10	338686	101.7218 ng/ml
Dextromethorphan	5.282	660716	30330.65	78.1	6527.76	322267	98.9494 ng/ml
Dextrophan	4.139	437084	19829.81	211.6	1518.56	503076	101.2736 ng/ml
Diazepam	5.960	653050	4796.71	91.8	740.55	319769	102.3678 ng/ml
Dihydrocodeine	2.579	372746	5277.37	61.7	121.09	239601	107.9878 ng/ml
Diphenhydramine	5.310	3023878	105728.78	31.6	17515.00	1654238	100.9832 ng/ml
Doxylamine	4.550	3308780	139332.41	98.1	208043.53	1455949	101.3218 ng/ml
EDDP	5.275	960408	386.48	41.6	365.62	555101	98.1911 ng/ml
Etizolam	5.820	393066	10439.96	25.6	199955.70	140015	95.9216 ng/ml
Fentanyl	5.116	92656	7500.57	73.7	195.34	531454	10.7797 ng/ml
Flualprazolam	5.712	422004	3274.94	100.7	10194.34	362779	106.0262 ng/ml
Fluoxetine	5.727	622052	38340.71	8.9	48549.54	232059	97.0422 ng/ml
Hydrocodone	3.039	549739	2269.08	33.9	∞	315831	105.4407 ng/ml
Hydromorphone	1.628	431080	726178.65	78.0	462375.45	143046	99.7141 ng/ml
Ketamine	4.065	1130917	2406.68	38.3	120716.38	532051	103.9918 ng/ml
Lamotrigine	4.301	107806	4754.00	85.2	113203.36	532051	102.7051 ng/ml
Levetiracetam	2.663	597454	12429.83	142.5	440.71	1334071	93.3525 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	642971	17143.32	52.2	752.08	140015	88.0253 ng/ml
MDA	3.216	1517540	11131.36	30.1	843.09	549414	98.5025 ng/ml
MDMA	3.310	977526	472096.80	96.5	8563.03	120032	99.1472 ng/ml
Meprobamate	4.917	625145	62768.82	24.8	393.13	362826	97.8658 ng/ml
Methadone	5.666	1684862	60880.39	52.8	533.83	743711	97.9440 ng/ml
Methamphetamine	3.244	1975849	18478.85	38.5	8363.13	815826	111.4598 ng/ml
Metoprolol	4.340	282224	775796.63	96.9	15882.34	1369207	108.7798 ng/ml
* Mirtazapine	4.644	2031277	4276.96	45.8	∞	637927	159.2279 ng/ml
Mitragynine	5.244	334468	1874.84	35.9	202526.19	743711	122.8319 ng/ml
Morphine	1.261	66294	1465.35	19.7	5068.86	12777	93.4905 ng/ml
Norbuprenorphine	5.013	3297	26.40	104.0	61.05	15168	9.9244 ng/ml
Nordiazepam	5.900	655683	15256.82	58.9	1811.40	227319	101.7843 ng/ml
Norfentanyl	4.099	225878	10175.38	36.4	2687.83	1041865	9.4907 ng/ml
Norhydrocodone	3.086	79897	∞	40.0	237.11	67463	103.0838 ng/ml
Noroxycodone	2.936	470470	817.35	49.0	7115.09	161789	98.3608 ng/ml
O-desmethyl-tramadol	3.389	2525843	76046.34	5.7	5569.15	1531467	95.4339 ng/ml
Oxazepam	5.756	1005175	6907.86	72.2	3656.91	396543	105.3903 ng/ml
Oxycodone	2.854	1012742	1473.99	29.7	684.59	437431	98.5502 ng/ml
Oxymorphone	1.418	365705	508.85	46.4	635.52	130781	91.5361 ng/ml
Phentermine	3.797	567201	12804.33	5.7	179.63	691351	105.5907 ng/ml
Promethazine	5.560	1446790	73364.05	30.0	23023.66	635700	100.7825 ng/ml
Pseudoephedrine	2.610	2690672	43430.40	17.3	23467.22	1334071	98.5761 ng/ml
Quetiapine	5.569	1302143	∞	61.0	1957092.75	198625	97.4431 ng/ml
Sertraline	5.796	234795	370.16	91.6	434.15	103482	99.4603 ng/ml
Temazepam	5.823	1818934	852.21	26.2	1791.91	894359	104.5651 ng/ml
Tramadol	4.259	2523931	108765.35	3.3	367.21	1369207	98.9176 ng/ml
Trazodone	5.163	1411998	1741.10	78.0	4384989.40	581138	98.7374 ng/ml
Venlafaxine	5.057	2046223	137187.75	34.4	9623.37	1177748	95.9472 ng/ml
Zolpidem	4.928	2702574	2648.42	29.2	95590.55	1206017	104.2235 ng/ml

*Did not evaluate

SC

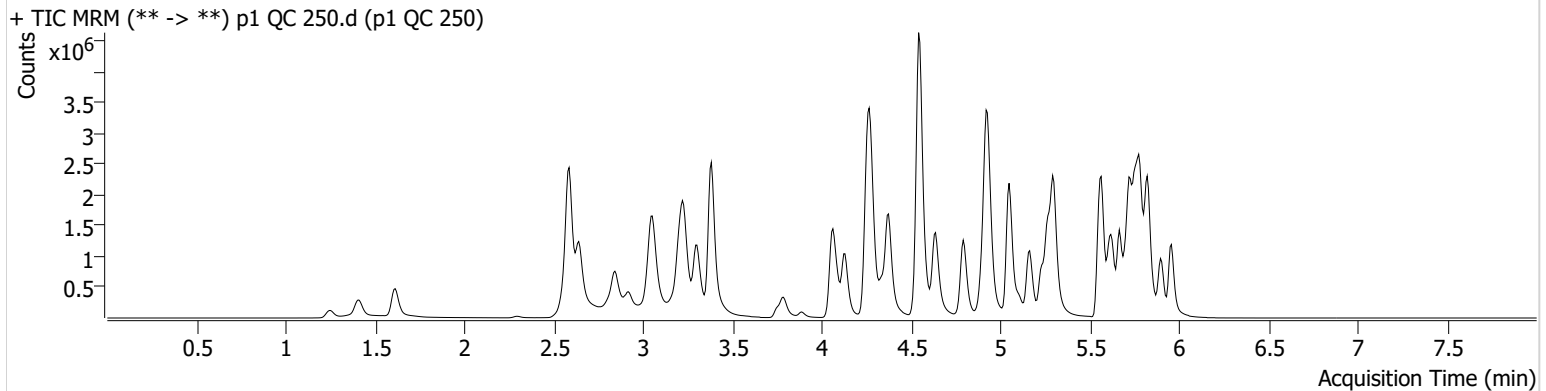


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument	Falco (069901)	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P6-F4	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2022 10:32:29 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	56791	1863.15	71.5	3724.48	61923	25.1286 ng/ml
7-aminoclonazepam	4.265	981885	54042.40	79.5	207.25	170328	237.5013 ng/ml
a-hydroxyalprazolam	5.699	394165	1905.88	67.4	457.98	251883	209.9043 ng/ml
alpha-PHP	4.944	516267	3629.84	258.9	261601.03	447388	249.7521 ng/ml
alpha-PVP	4.376	2496922	298027.18	52.4	965.14	447388	245.6161 ng/ml
Alprazolam	5.782	1769249	2748.26	108.5	798.37	251883	248.7172 ng/ml
Amphetamine	3.056	3424006	719.88	48.5	4928.98	229440	242.4112 ng/ml
Benzoylcegonine	3.886	99637	357.41	8.1	2216.80	13411	245.1101 ng/ml
Buprenorphine	5.853	26416	54212.64	14.6	20844.32	35757	26.7471 ng/ml
Bupropion	4.795	1955829	82270.52	62.6	16486.50	282560	257.4350 ng/ml
Carisoprodol	5.730	1680627	1782154.02	53.1	14314.62	286596	247.2194 ng/ml
Citalopram	5.232	1040429	33596.82	37.9	24886.77	190326	247.9754 ng/ml
Clonazepam	5.612	1763621	51655.43	35.3	24687.64	100115	250.0340 ng/ml
Clonazepam	5.555	1156642	251364.58	37.6	534871.15	100115	246.4683 ng/ml
Cocaine	4.271	1933798	84099.22	55.0	353.86	690020	250.4864 ng/ml
Codeine	2.580	272923	7231.21	99.4	185.09	57741	258.3579 ng/ml
Cyclobenzaprine	5.635	778920	1268.85	7.7	1739.75	128160	252.6331 ng/ml
Dextromethorphan	5.275	568231	18667.04	79.0	19570.14	108941	251.7770 ng/ml
Dextrophan	4.132	671684	25767.06	212.8	101426.01	312416	250.5970 ng/ml
Diazepam	5.960	1224703	15127.77	91.7	763.60	241773	254.2834 ng/ml
Dihydrocodeine	2.559	764930	750.53	62.3	438.58	199423	269.0834 ng/ml
Diphenhydramine	5.303	2993628	91459.51	31.3	16703.42	655347	252.1984 ng/ml
Doxylamine	4.543	6071132	9171.25	98.2	150772.02	1046048	258.5795 ng/ml
EDDP	5.268	1557467	55456.04	41.4	1101.51	351811	251.1642 ng/ml
Etizolam	5.820	735057	6187.23	26.6	4732.50	100115	250.2447 ng/ml
Fentanyl	5.109	78402	911.21	74.6	100.99	181749	26.7379 ng/ml
Flualprazolam	5.705	709679	12666.00	104.8	20582.89	251883	257.4232 ng/ml
Fluoxetine	5.721	701949	∞	8.9	3051.58	102329	248.3273 ng/ml
Hydrocodone	3.025	1005396	∞	35.0	432.19	249533	244.8162 ng/ml
Hydromorphone	1.615	888290	3154830.80	74.4	5874239.36	115525	254.2884 ng/ml
Ketamine	4.059	2197396	70458.90	38.2	28062.77	413183	260.8325 ng/ml
Lamotrigine	4.294	187586	7834.97	86.4	199301.55	413183	231.5892 ng/ml
Levetiracetam	2.643	1141628	663.90	143.6	713.52	988744	241.9784 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
**Lorazepam	5.753	808246	25710.26	52.1	964.70	100115	156.8734 ng/ml
MDA	3.203	2178944	6858.02	28.3	993.14	305187	255.4585 ng/ml
MDMA	3.303	1549119	11444.36	93.0	3893.75	74815	251.9261 ng/ml
Meprobamate	4.904	964188	50209.40	24.8	3791.51	266507	206.6372 ng/ml
Methadone	5.666	1550028	28489.06	52.9	622.77	271347	246.5399 ng/ml
Methamphetamine	3.231	2904563	111546.44	38.3	19807.18	507473	264.2334 ng/ml
Metoprolol	4.340	487575	1368.47	96.8	7912.80	968490	266.0856 ng/ml
*Mirtazapine	4.637	2352800	2344.09	45.7	78703.87	447388	261.9288 ng/ml
Mitragynine	5.244	296374	466.70	36.5	4258.50	271347	299.4877 ng/ml
Morphine	1.253	134027	917.28	20.0	117.38	9655	250.1369 ng/ml
Norbuprenorphine	5.006	3162	2485.65	98.1	2443.08	5387	26.9964 ng/ml
Nordiazepam	5.900	1143667	1621.47	59.2	926.89	158170	255.5265 ng/ml
Norfentanyl	4.093	437665	188988.56	36.6	7476.00	754158	25.3214 ng/ml
Norhydrocodone	3.073	137902	486.39	40.1	119.26	44646	267.6835 ng/ml
Noroxycodone	2.916	843353	8927.09	48.0	401.96	110911	257.6392 ng/ml
O-desmethyl-tramadol	3.383	5291364	107747.27	5.7	10084.61	1240731	246.5461 ng/ml
Oxazepam	5.756	1301836	30056.66	74.9	3480.17	217191	249.7986 ng/ml
Oxycodone	2.841	2069474	1432.36	29.4	2595.88	346332	254.7228 ng/ml
Oxymorphone	1.405	728801	∞	43.1	202.15	98352	242.9871 ng/ml
Phentermine	3.790	826317	449.21	5.4	295.65	429624	248.6767 ng/ml
Promethazine	5.552	1399694	1924.23	29.8	5993.97	247134	250.7424 ng/ml
Pseudoephedrine	2.589	5198694	38040.72	16.6	194989.42	988744	256.4368 ng/ml
Quetiapine	5.569	1706640	68149.69	60.8	1855.28	102941	247.2743 ng/ml
Sertraline	5.796	339599	18629.28	94.4	559.09	60840	244.0044 ng/ml
Temazepam	5.823	2813055	61602.29	26.6	2148.55	561560	258.2645 ng/ml
Tramadol	4.252	4677301	∞	3.3	7118.68	968490	260.4012 ng/ml
Trazodone	5.163	1590206	2321.92	78.1	124123.23	259564	248.9556 ng/ml
Venlafaxine	5.050	3523616	154164.76	34.1	1685.88	775371	250.5353 ng/ml
Zolpidem	4.921	5398372	14592.60	28.4	8401.05	967545	260.2705 ng/ml

*Did not evaluate

**OCR

SC

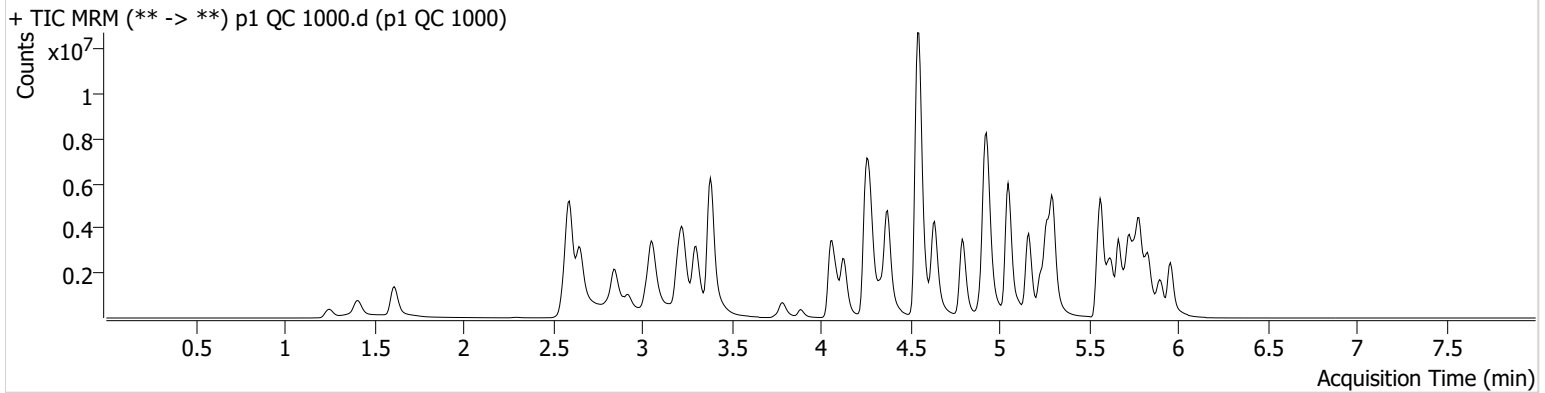


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument	Falco (069901)	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P6-E4	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2022 10:53:40 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	202166	1119.01	70.2	2712.34	53168	104.1850 ng/ml
** Z-aminoclonazepam	4.265	1498843	20404.68	80.4	37601.47	88673	697.9263 ng/ml
** a-hydroxyalprazolam	5.692	562986	1215.66	69.3	207.95	147965	512.0364 ng/ml
alpha-PHP	4.944	1356329	17552.09	263.8	11041.52	344097	853.0762 ng/ml
alpha-PVP	4.376	8120813	85500.15	51.5	2002.98	344097	1038.4168 ng/ml
Alprazolam	5.782	4202574	∞	106.3	1188.00	147965	1004.5165 ng/ml
** Amphetamine	3.063	7173988	241.87	48.0	219.44	152599	764.4922 ng/ml
Benzoylcegonine	3.886	428390	2293.94	7.9	3417.21	13628	1035.8352 ng/ml
** Buprenorphine	5.853	64432	148413.31	14.7	22155.33	16663	140.1577 ng/ml
Bupropion	4.795	5791699	97949.52	62.0	42115.83	209556	1028.0977 ng/ml
Carisoprodol	5.730	3022698	154389.79	53.7	14406.76	125324	1012.9390 ng/ml
Citalopram	5.232	2679888	52242.47	38.0	1138.11	120568	1007.9539 ng/ml
Clonazepam	5.612	3618293	84079.70	34.5	138341.43	57650	892.6681 ng/ml
Clonazepam	5.555	2175635	37865.12	37.5	843283.79	57650	806.9625 ng/ml
Cocaine	4.277	5315875	117260.40	53.9	172159.31	469457	1012.2067 ng/ml
Codeine	2.587	672994	202.80	97.2	180.26	41661	885.0701 ng/ml
Cyclobenzaprine	5.635	1726061	17261.91	7.5	155259.14	68016	1053.9775 ng/ml
Dextromethorphan	5.275	1274774	49860.39	78.2	41346.18	61561	999.6425 ng/ml
Dextrophan	4.132	1956929	834.07	214.2	2371.51	218767	1042.6194 ng/ml
Diazepam	5.960	3112893	8826.42	91.7	∞	165823	943.0376 ng/ml
** Dihydrocodeine	2.559	2155140	12508.92	63.7	8197.32	185328	819.7021 ng/ml
Diphenhydramine	5.303	7951761	617013.56	30.8	128358.02	411736	1065.9193 ng/ml
Doxylamine	4.550	19554294	682459.97	97.5	76031.45	903571	963.8558 ng/ml
EDDP	5.268	5361268	84281.28	40.1	107455.34	291215	1044.3202 ng/ml
Etizolam	5.820	1845072	7997.20	26.1	498946.61	57650	1089.5297 ng/ml
Fentanyl	5.109	194959	1502.51	75.4	333193.66	111537	108.4783 ng/ml
Flualprazolam	5.705	1440420	3650.74	109.0	142444.81	147965	890.5059 ng/ml
Fluoxetine	5.727	946500	193489.76	8.9	5051.09	31633	1083.1772 ng/ml
Hydrocodone	3.025	3084653	498.80	36.0	3814.48	209049	898.0869 ng/ml
Hydromorphone	1.615	2999591	5350483.69	75.1	4819589.24	97154	1020.7901 ng/ml
Ketamine	4.059	7033950	331278.80	36.9	19427.68	353790	976.2737 ng/ml
** Lamotrigine	4.294	424788	78733.19	85.6	399980.57	353790	614.4189 ng/ml
Levetiracetam	2.656	3097946	63872.91	146.8	3764.97	638423	1019.5881 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
** Lorazepam	5.753	1014153	48756.82	51.4	1633.01	57650	345.1285 ng/ml
MDA	3.203	4801303	54784.98	28.0	7539.68	195345	880.7202 ng/ml
MDMA	3.303	4666159	320098.26	93.6	126625.21	54717	1037.2314 ng/ml
** Meprobamate	4.904	1768919	298231.57	23.9	9557.60	196769	515.0003 ng/ml
Methadone	5.666	4226114	78418.22	50.7	79065.84	177564	1026.3261 ng/ml
Methamphetamine	3.231	6600593	99864.42	37.7	92589.08	325564	937.5176 ng/ml
Metoprolol	4.340	1242668	16416.12	98.2	11575.38	784120	838.2129 ng/ml
* Mirtazapine	4.637	7439750	4957.81	45.1	326745.32	344097	1071.8427 ng/ml
Mitragynine	5.244	674570	93373.03	35.9	181564.32	177564	1043.7169 ng/ml
Morphine	1.253	473067	1397.07	19.6	∞	8713	978.2677 ng/ml
Norbuprenorphine	5.006	7952	428.93	98.0	2472.97	3694	99.3390 ng/ml
Nordiazepam	5.906	2248393	8835.23	58.6	2682.31	85053	934.8746 ng/ml
** Norfentanyl	4.093	1474083	713717.76	36.5	50291.54	491661	130.6103 ng/ml
** Norhydrocodone	3.080	454097	∞	41.6	164.56	31812	1234.4218 ng/ml
Noroxycodone	2.923	2005180	6830.14	48.5	390.98	70782	960.5985 ng/ml
O-desmethyl-tramadol	3.383	16641940	∞	5.7	20438.60	962044	999.6072 ng/ml
Oxazepam	5.756	1464200	15346.30	72.5	8329.93	67195	909.2528 ng/ml
Oxycodone	2.841	6823145	3022.16	29.3	484.25	294831	987.2071 ng/ml
Oxymorphone	1.405	2111582	∞	46.0	∞	74442	930.8509 ng/ml
Phentermine	3.790	2006115	∞	5.5	3244.74	311227	835.3939 ng/ml
Promethazine	5.552	3031672	5432.83	29.6	2139.97	130788	1026.1021 ng/ml
Pseudoephedrine	2.596	14418367	157884.51	16.2	179299.65	638423	1100.3673 ng/ml
Quetiapine	5.569	5344390	295229.45	61.4	17023.08	83474	956.5269 ng/ml
Sertraline	5.796	453698	779.22	92.8	762.51	19405	1020.5555 ng/ml
Temazepam	5.830	4340913	21905.02	26.6	1436.79	221142	1013.4491 ng/ml
Tramadol	4.252	13431381	765522.26	3.1	32700.81	784120	925.5464 ng/ml
Trazodone	5.163	5616483	565107.30	78.1	676288.75	228712	997.8920 ng/ml
Venlafaxine	5.050	11760407	952835.93	32.3	2920.38	606343	1068.4197 ng/ml
Zolpidem	4.921	15921141	1712888.00	28.2	193739.86	841928	883.3701 ng/ml

*Did not evaluate

**OCR

SC

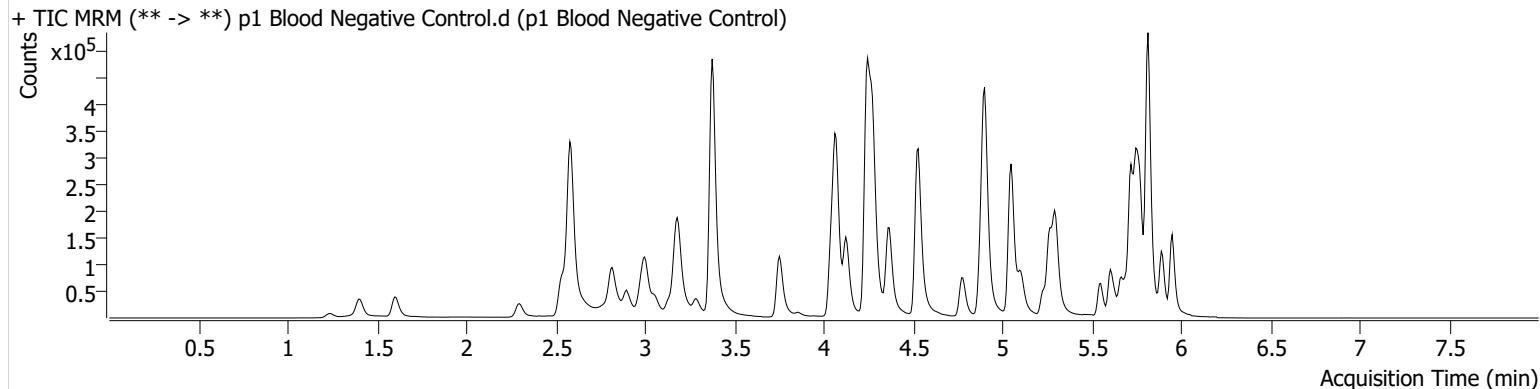


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument	Falco (069901)	Data File	p1 Blood Negative Control.d
Type	Sample	Sample	p1 Blood Negative Control
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P6-C4	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2022 11:25:31 PM		
Sample Info.			

Sample Chromatogram



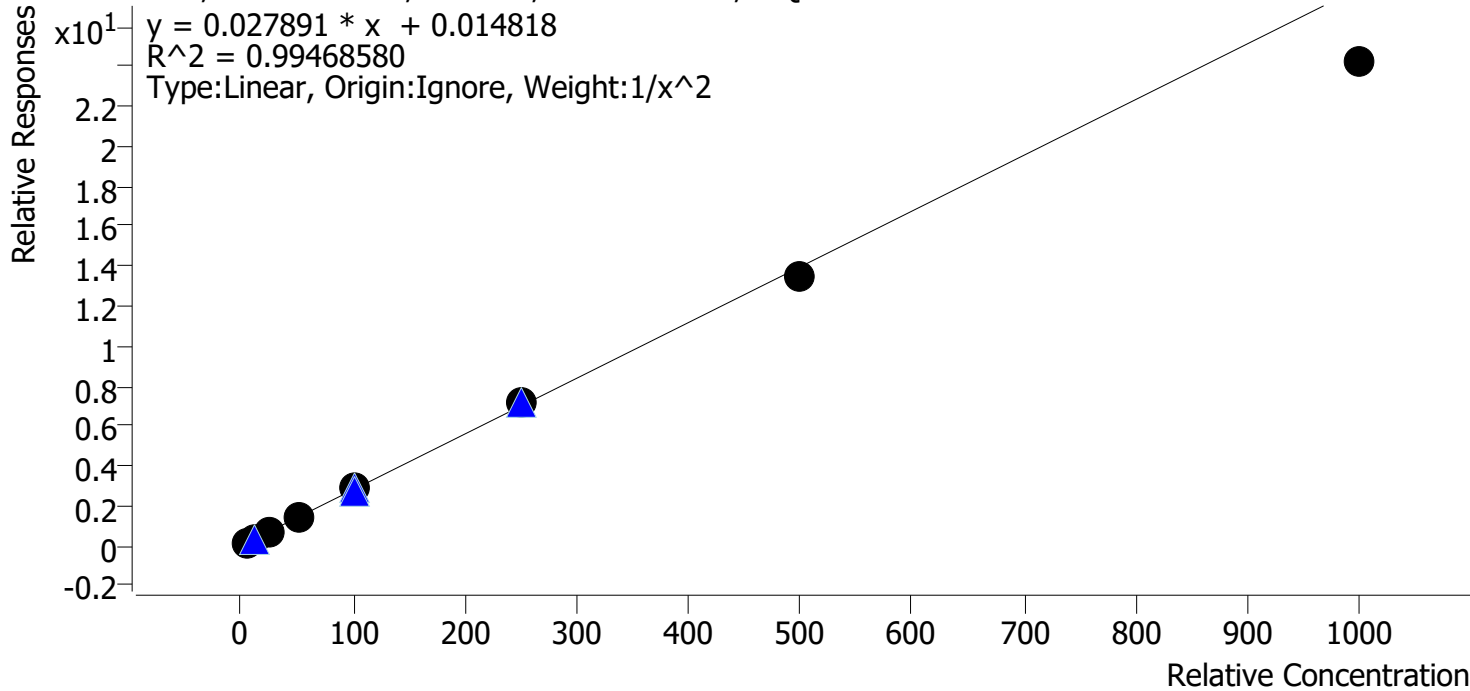
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	482.0	96.4
p1 Cal 8-1000ng	8	✓	1000.0	870.0	87.0

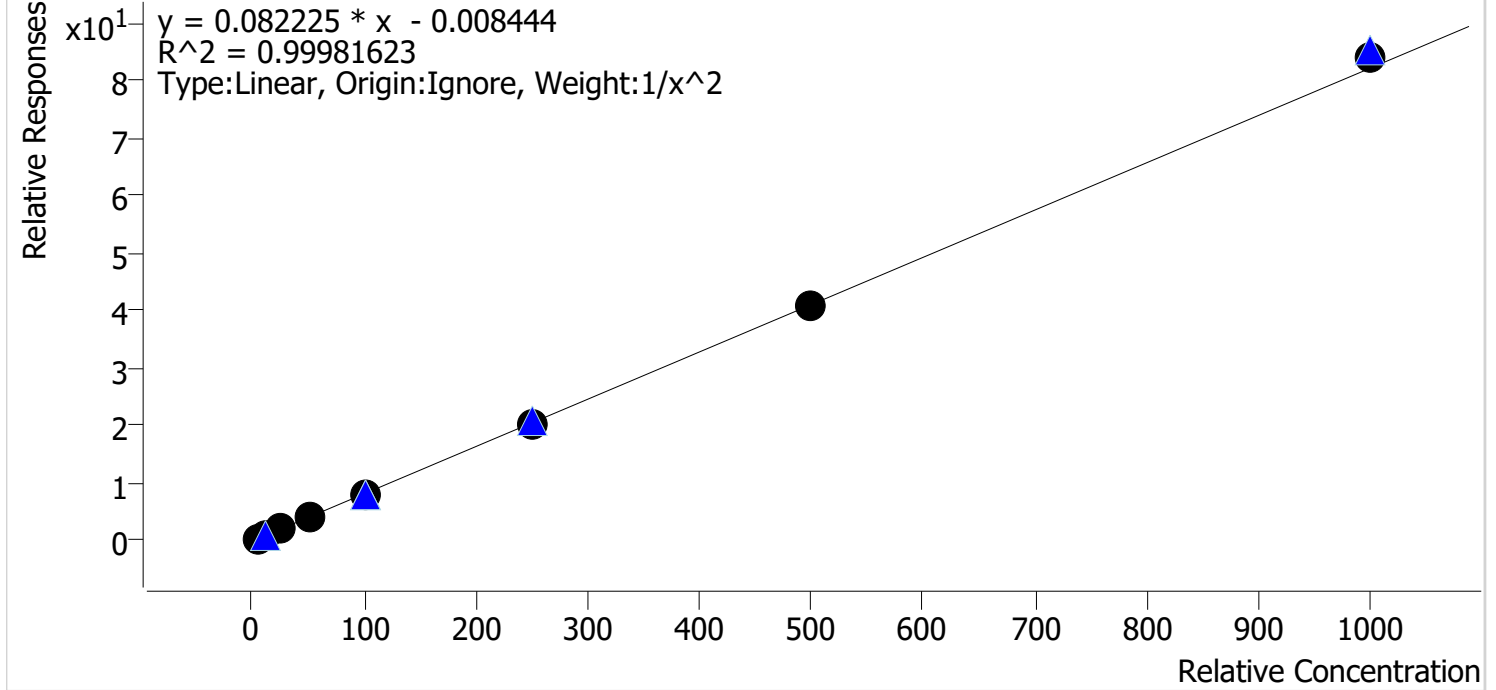
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	497.2	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1026.1	102.6

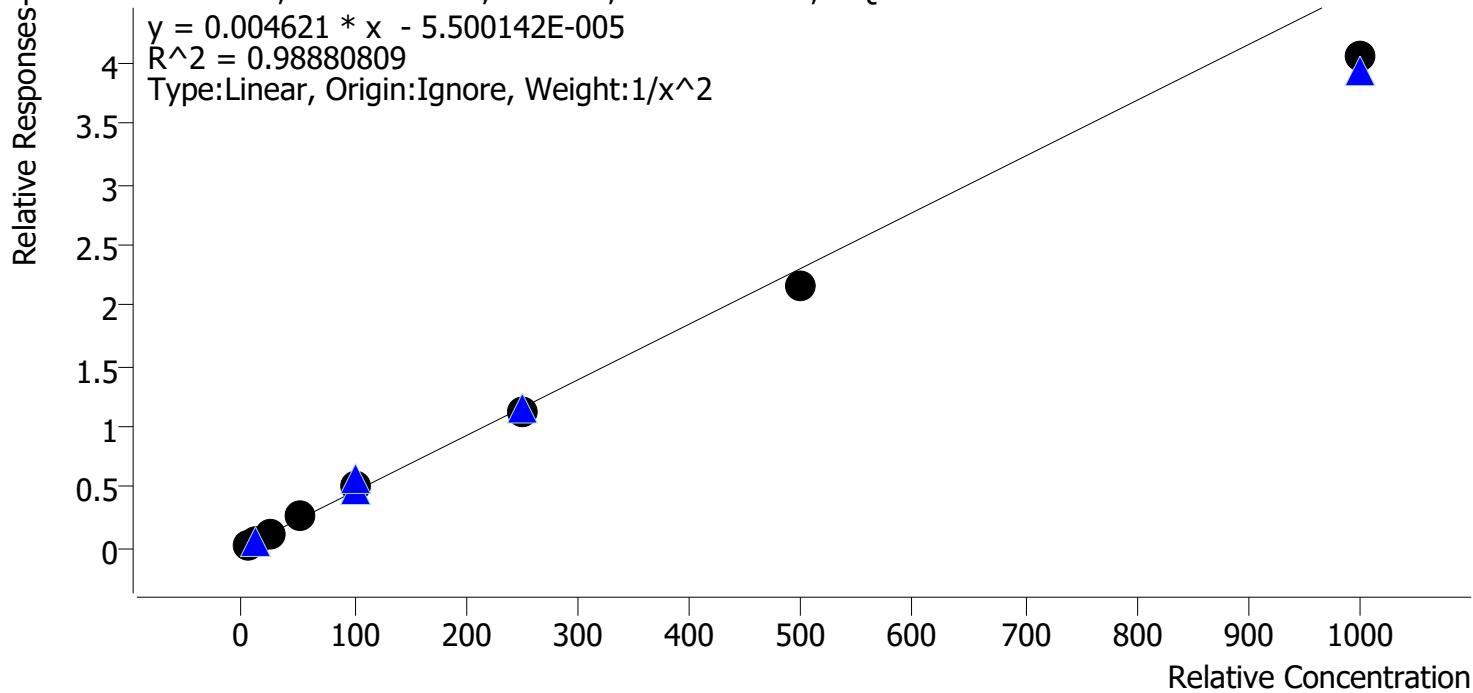
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
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	240.4	96.2
p1 Cal 7-500ng	7	✓	500.0	469.8	94.0
p1 Cal 8-1000ng	8	✓	1000.0	878.6	87.9

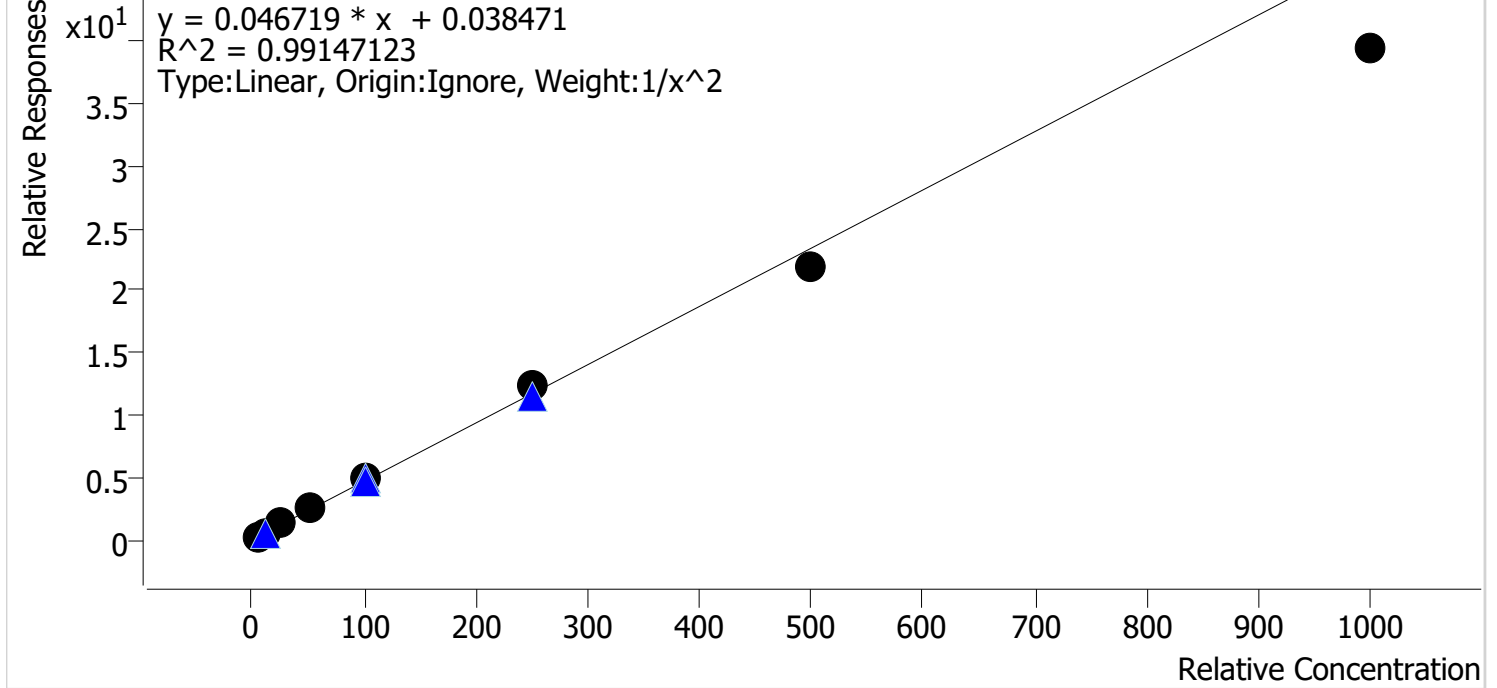
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	266.5	106.6
p1 Cal 7-500ng	7	✓	500.0	469.4	93.9
p1 Cal 8-1000ng	8	✓	1000.0	842.4	84.2

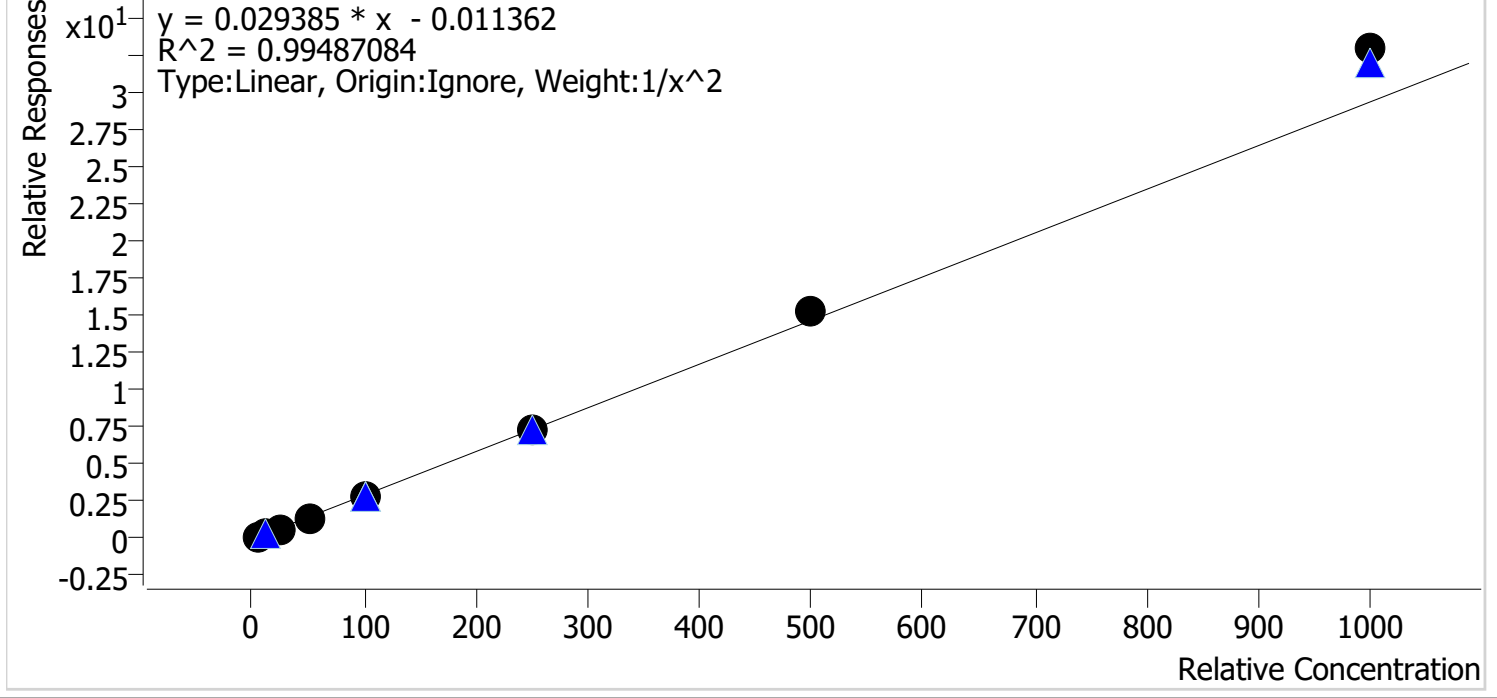
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	47.0	94.0
p1 Cal 5-100ng	5	✓	100.0	95.2	95.2
p1 Cal 6-250ng	6	✓	250.0	248.9	99.5
p1 Cal 7-500ng	7	✓	500.0	520.2	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1122.0	112.2

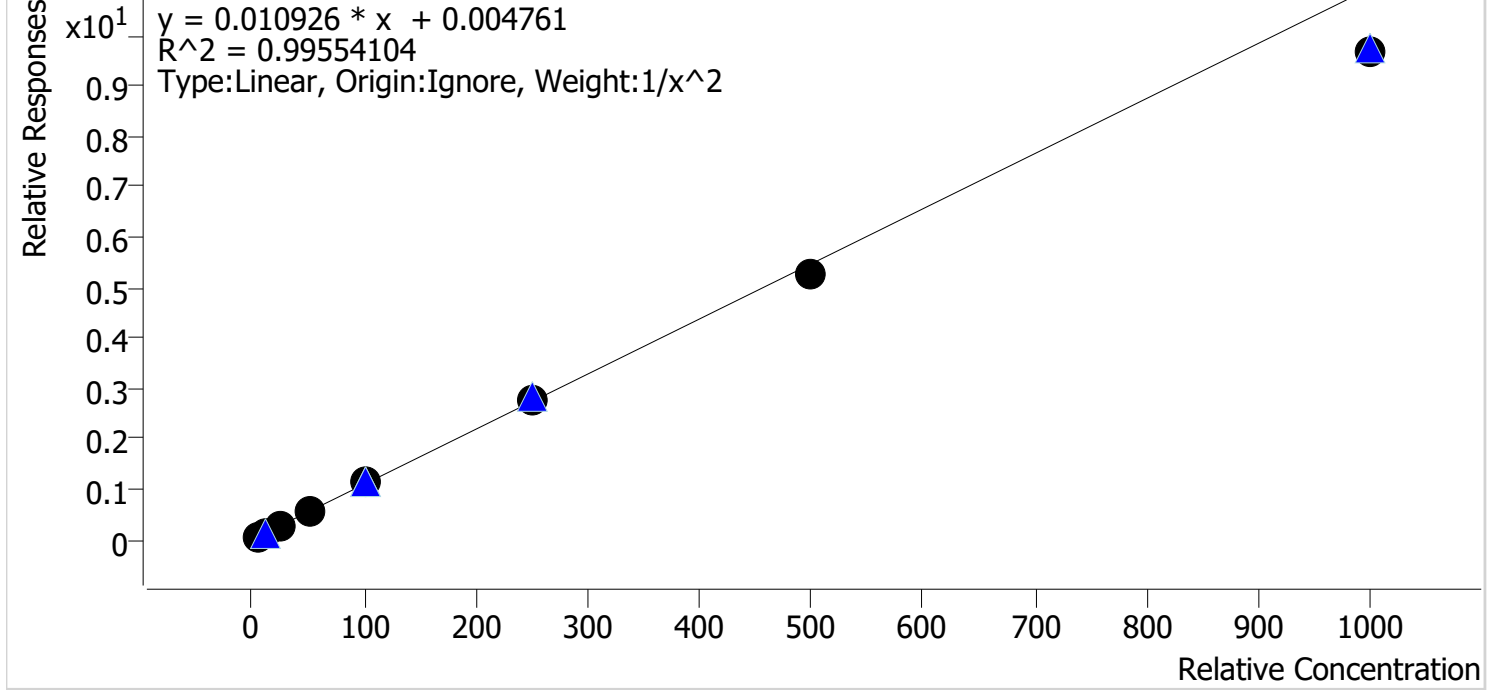
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5

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



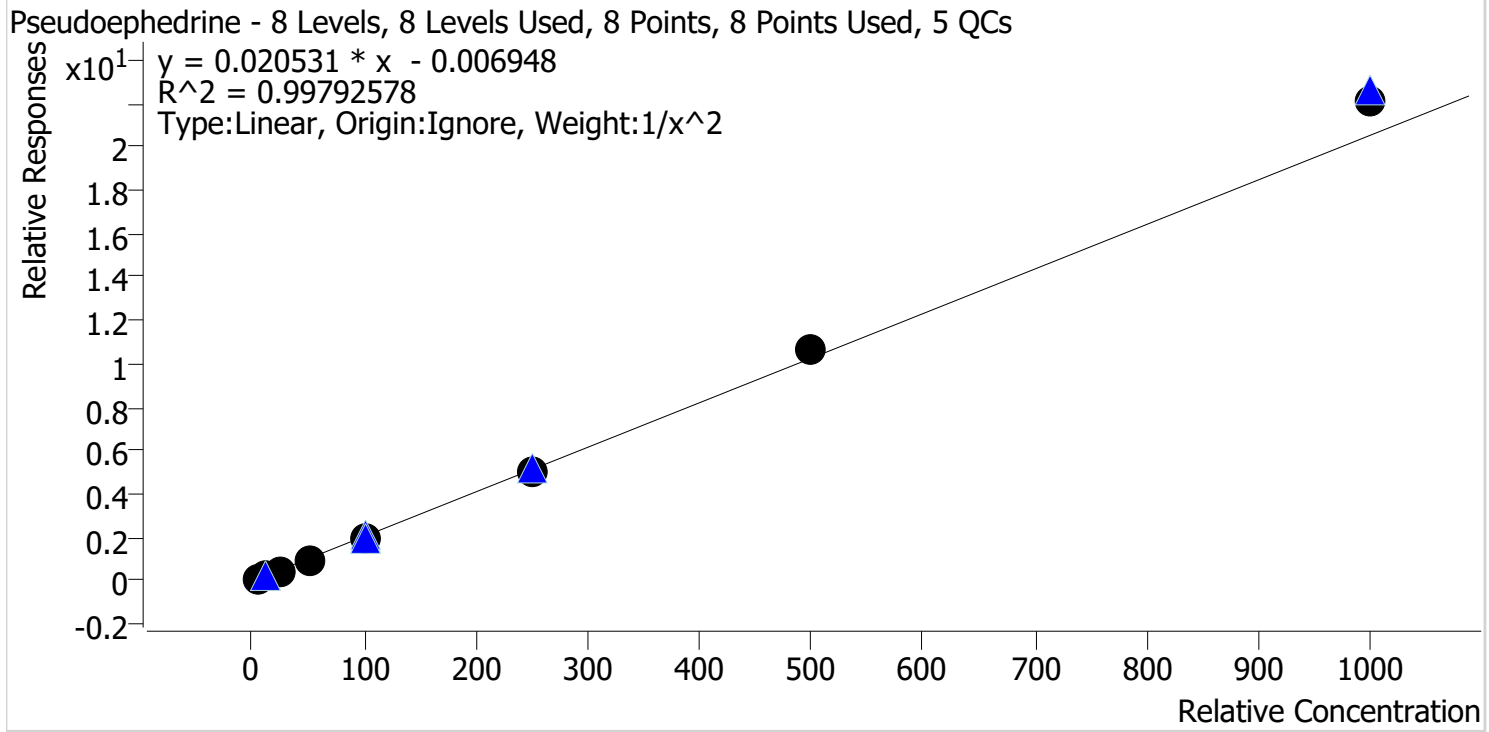
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	481.9	96.4
p1 Cal 8-1000ng	8	✓	1000.0	883.2	88.3

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



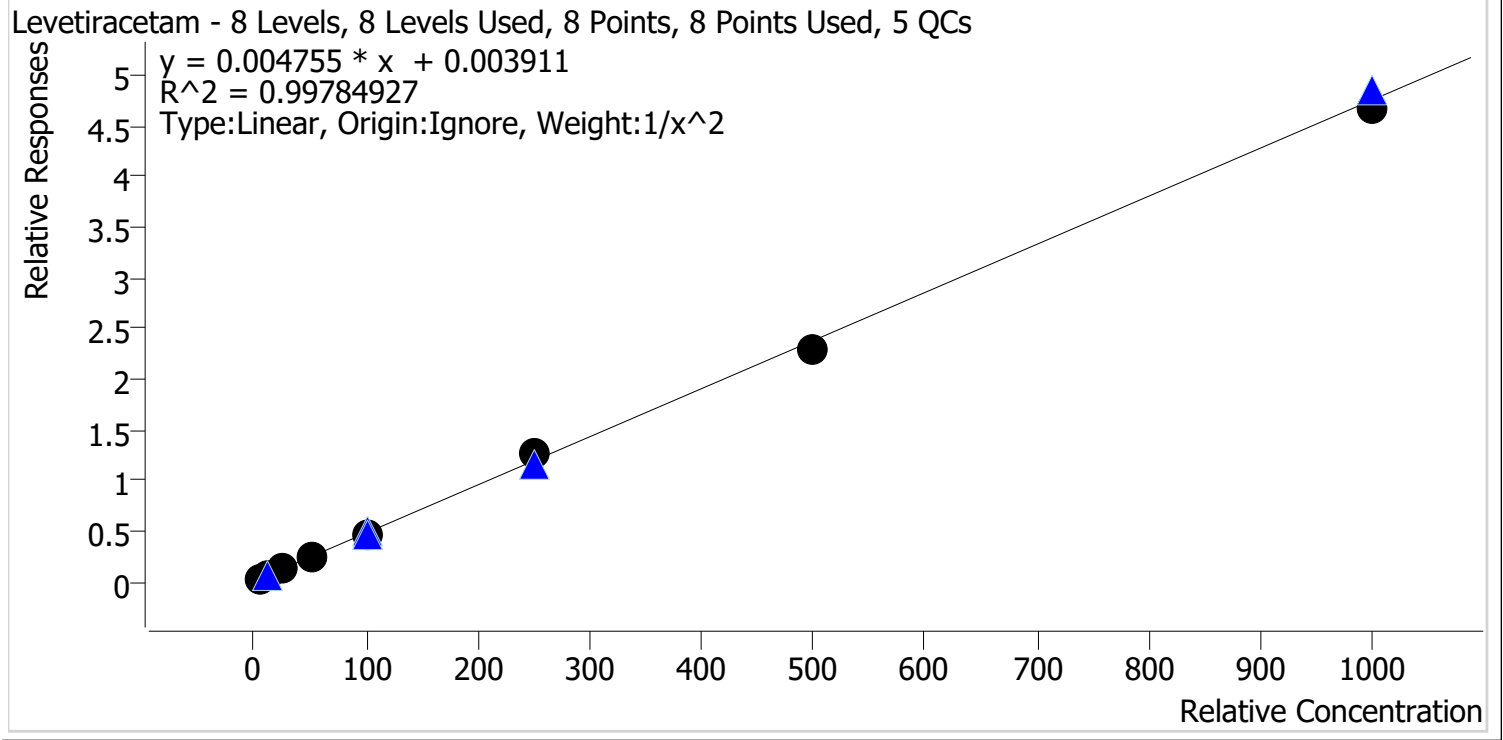
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	515.5	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1077.0	107.7

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 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	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.6	105.9
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.8
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	262.2	104.9
p1 Cal 7-500ng	7	✓	500.0	479.2	95.8
p1 Cal 8-1000ng	8	✓	1000.0	980.6	98.1

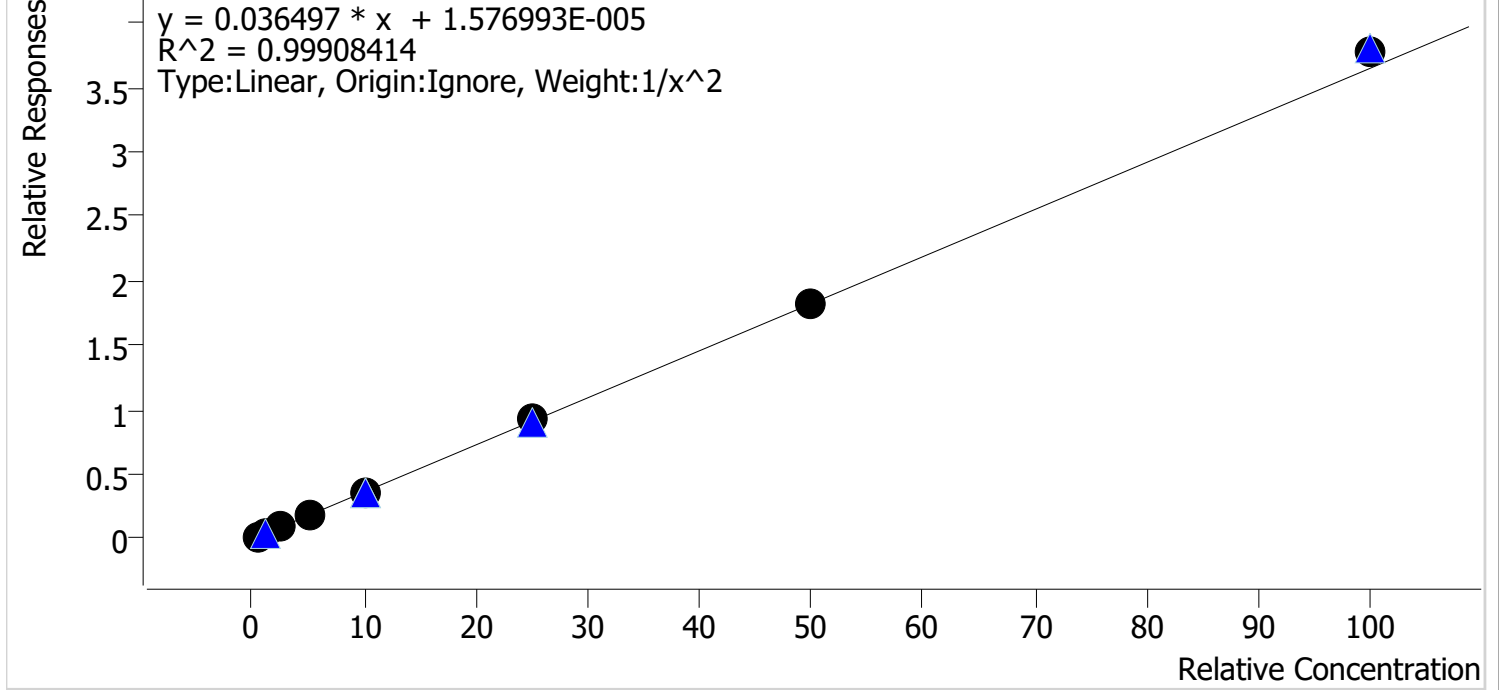
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.3
p1 Cal 2-10ng	2	✓	1.0	1.0	103.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.0
p1 Cal 4-50ng	4	✓	5.0	5.0	99.4
p1 Cal 5-100ng	5	✓	10.0	9.6	96.3
p1 Cal 6-250ng	6	✓	25.0	25.3	101.3
p1 Cal 7-500ng	7	✓	50.0	50.0	100.1
p1 Cal 8-1000ng	8	✓	100.0	103.6	103.6

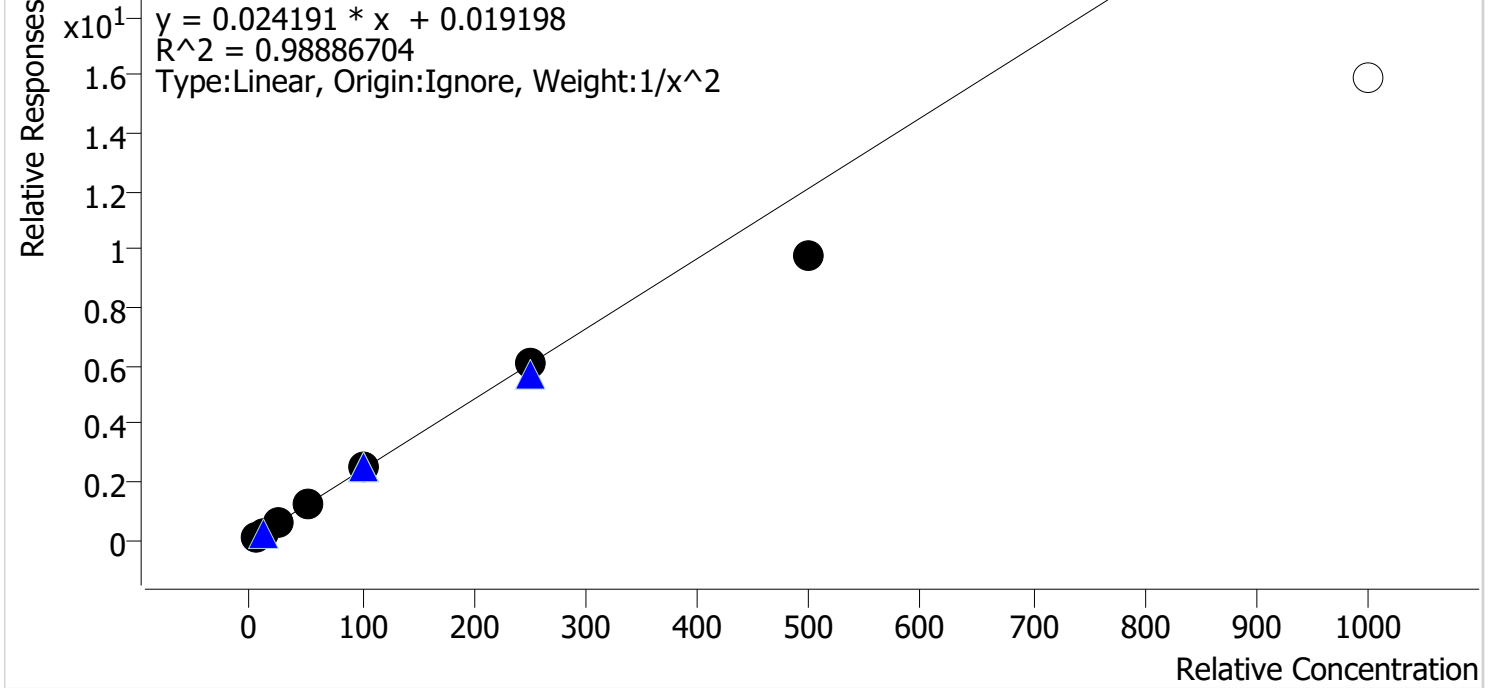
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.9
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	406.6	81.3
p1 Cal 8-1000ng	8	x	1000.0	658.0	65.8

Cal 8 dropped due to accuracy

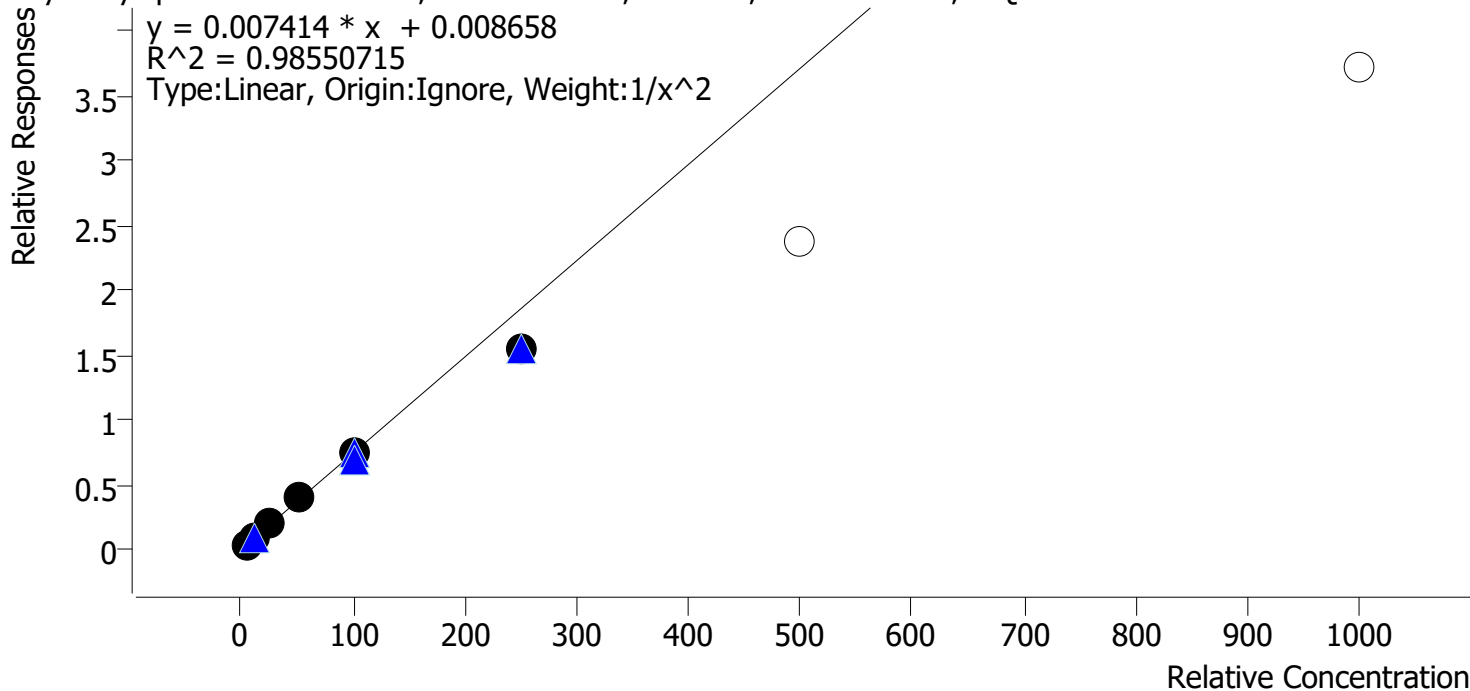
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2-10ng	2	✓	10.0	10.5	104.9
p1 Cal 3 -25ng	3	✓	25.0	27.7	110.8
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	208.2	83.3
p1 Cal 7-500ng	7	x	500.0	321.5	64.3
p1 Cal 8-1000ng	8	x	1000.0	501.0	50.1

Cal 7 and 8 dropped due to accuracy

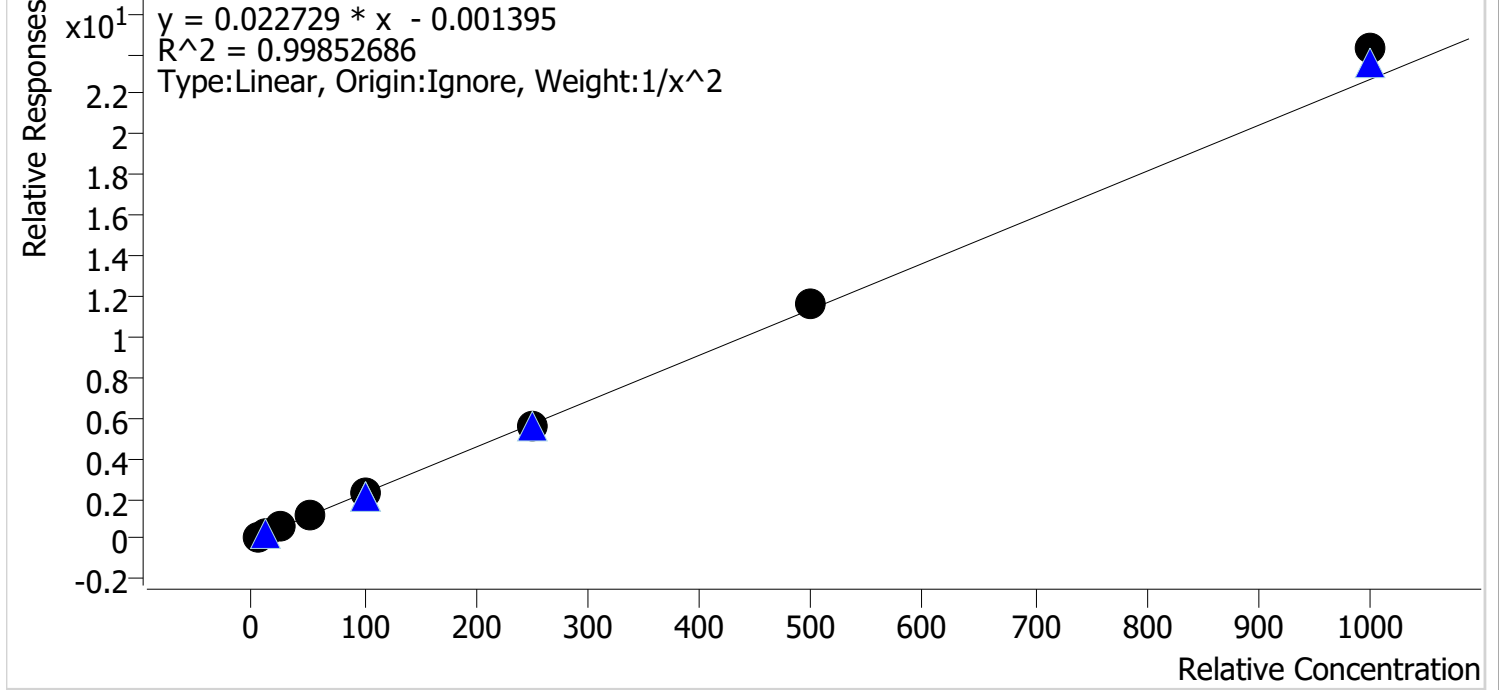
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	509.2	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1067.1	106.7

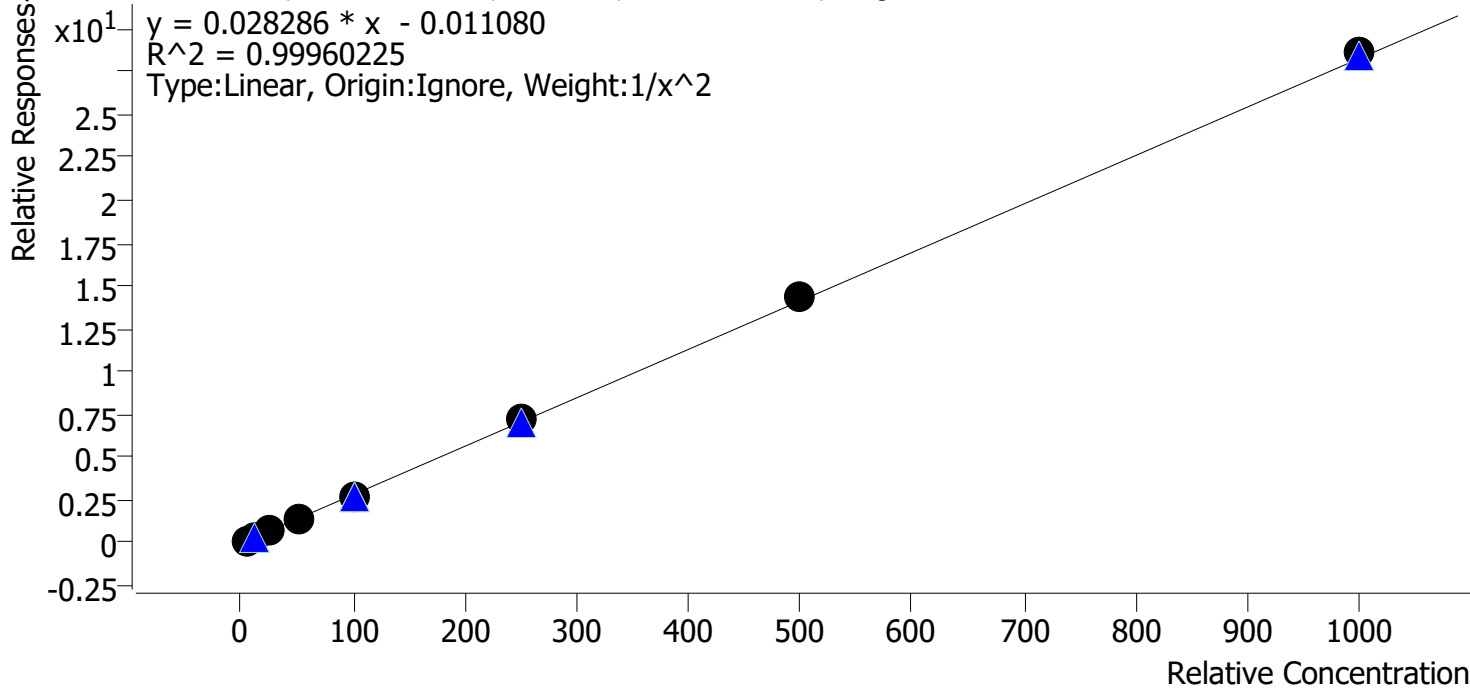
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	48.4	96.7
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	505.6	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1012.5	101.2

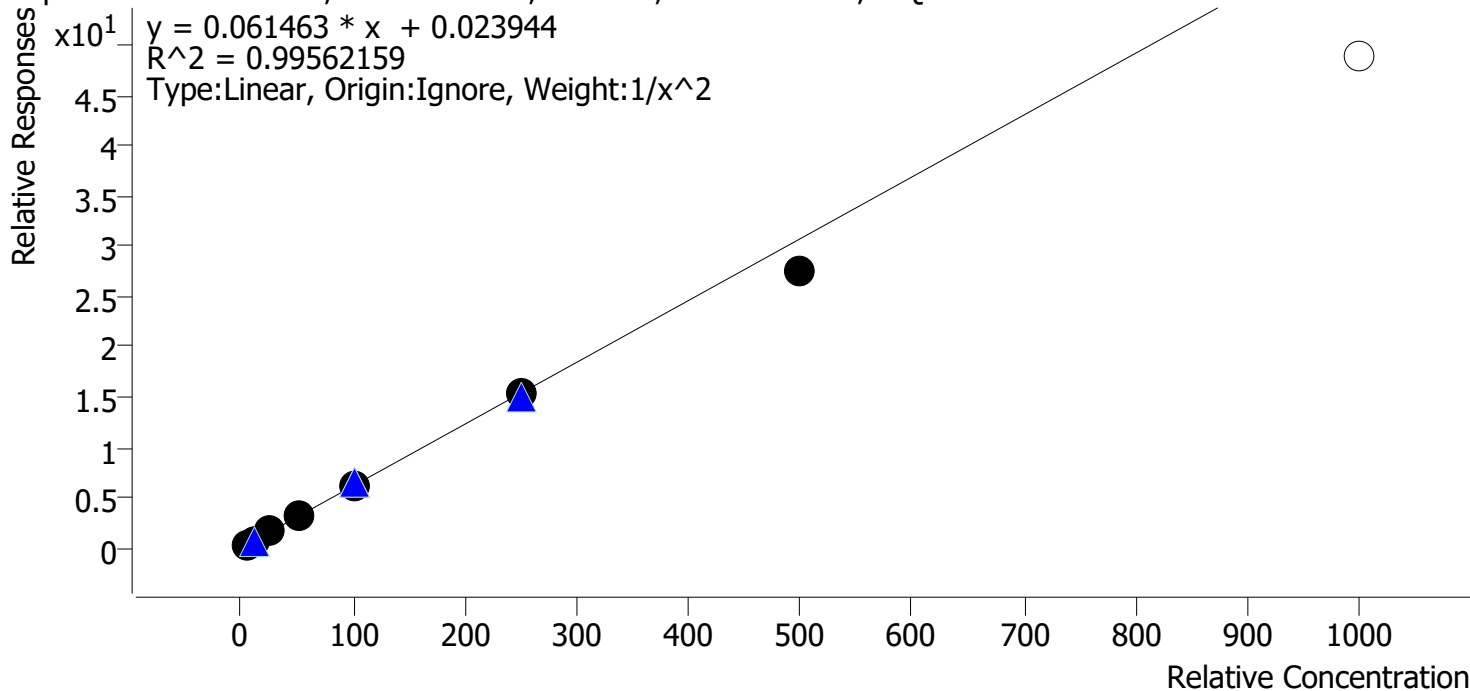
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.6
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	445.1	89.0
p1 Cal 8-1000ng	8	✗	1000.0	794.6	79.5

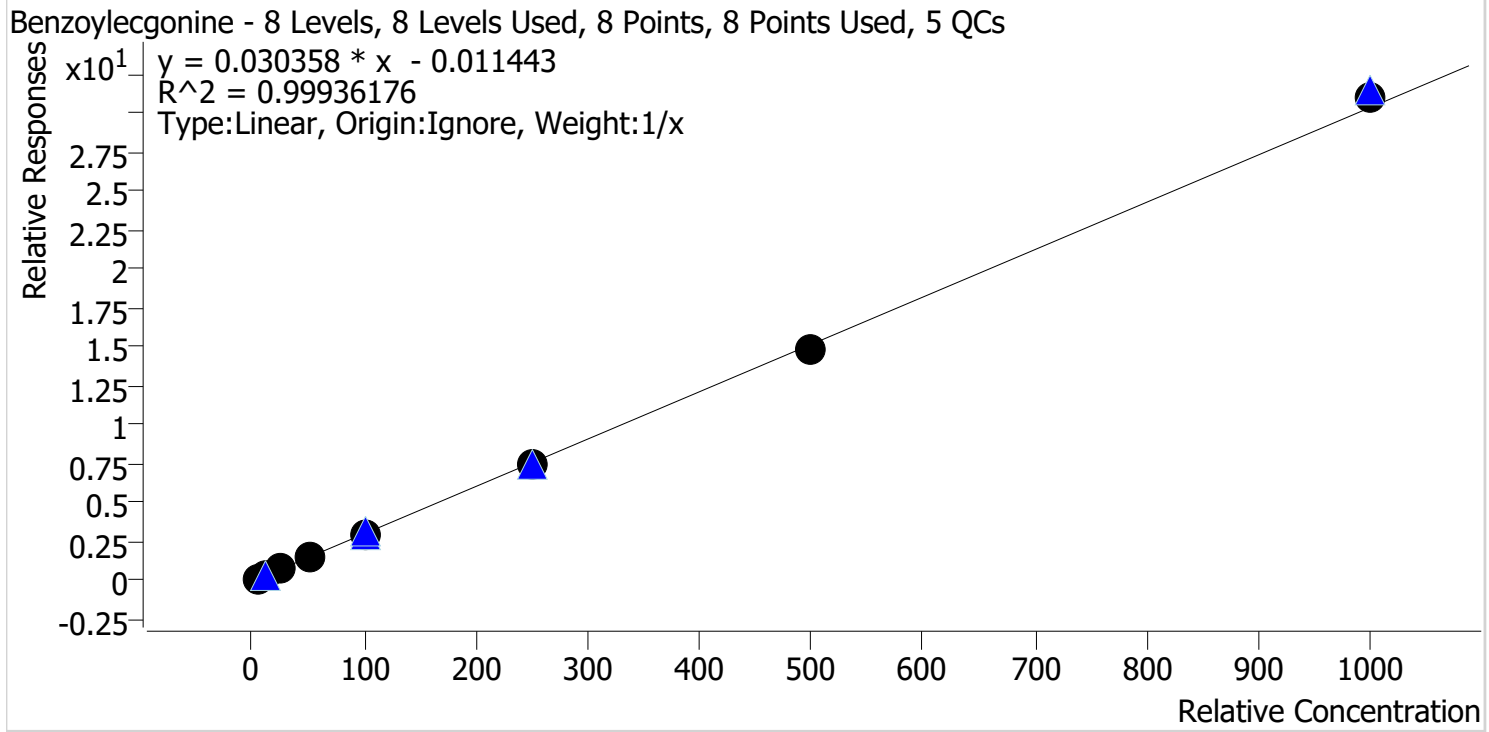
Cal 8 dropped due to QC 1000 accuracy

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Benzoyllecgonine **Internal Standard** Benzoyllecgonine-d8



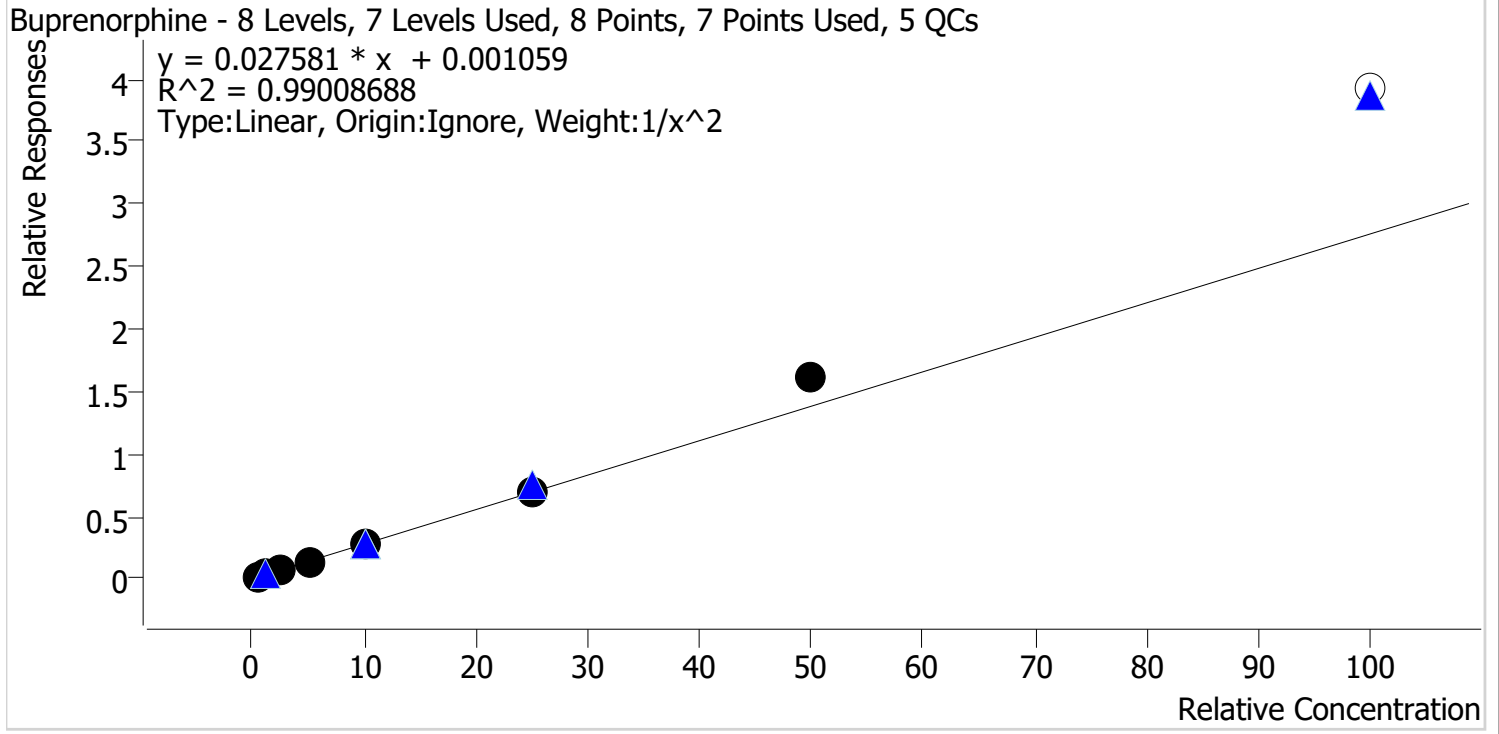
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	243.3	97.3
p1 Cal 7-500ng	7	✓	500.0	485.8	97.2
p1 Cal 8-1000ng	8	✓	1000.0	1022.5	102.2

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 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	104.2
p1 Cal 2-10ng	2	✓	1.0	1.0	96.2
p1 Cal 3 -25ng	3	✓	2.5	2.2	89.7
p1 Cal 4-50ng	4	✓	5.0	4.9	98.5
p1 Cal 5-100ng	5	✓	10.0	9.6	96.5
p1 Cal 6-250ng	6	✓	25.0	24.6	98.5
p1 Cal 7-500ng	7	✓	50.0	58.3	116.6
p1 Cal 8-1000ng	8	✗	100.0	142.2	142.2

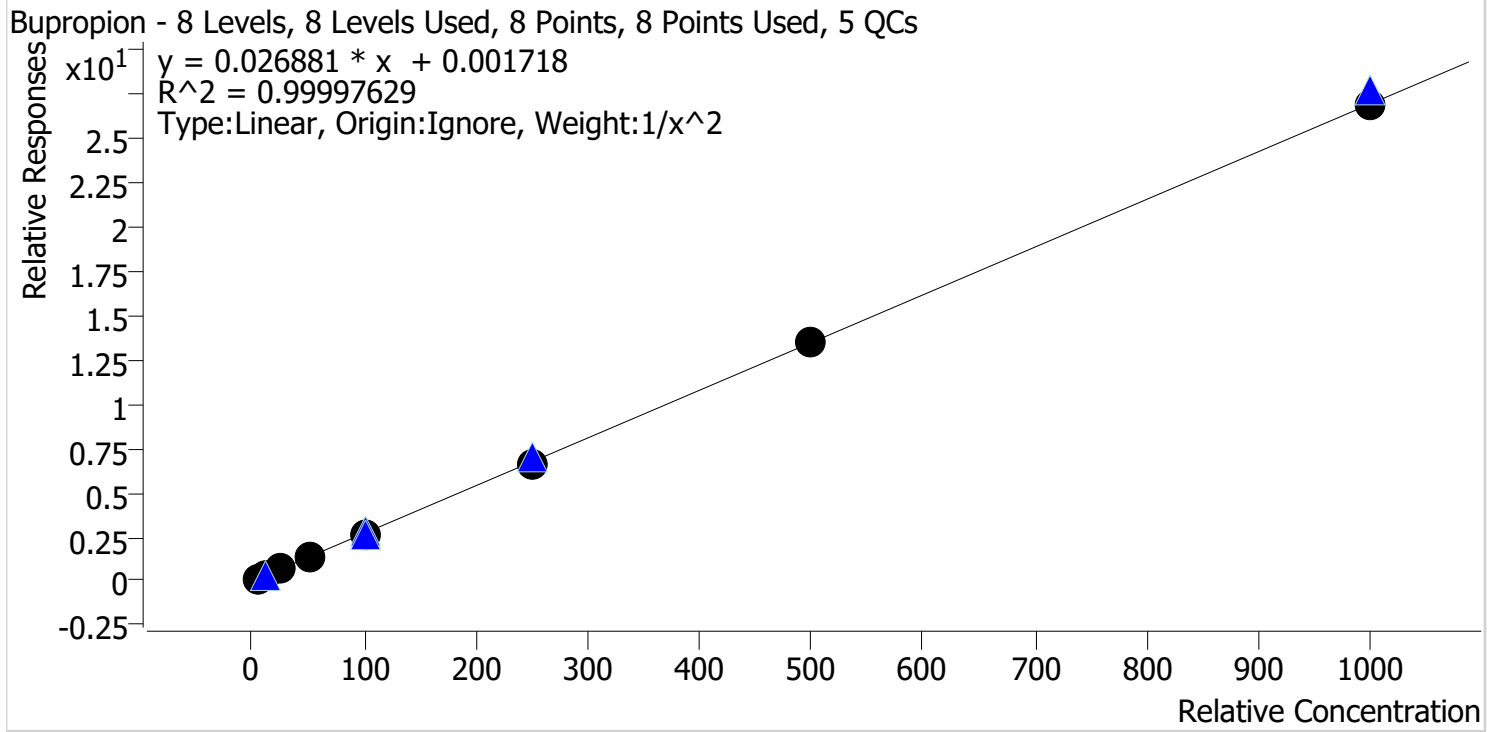
Cal 8 dropped due to accuracy

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



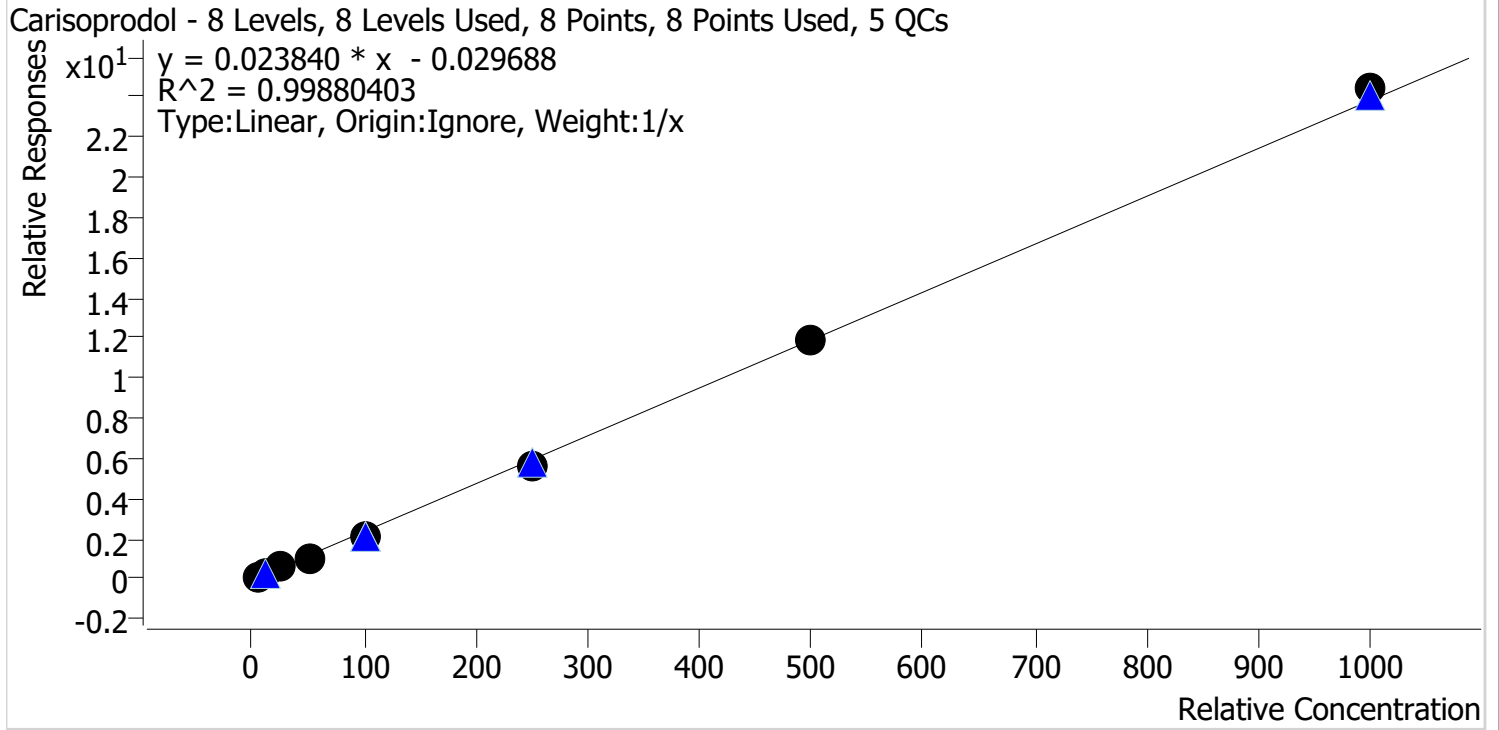
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1001.4	100.1

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 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	5.8	115.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	46.8	93.7
p1 Cal 5-100ng	5	✓	100.0	93.3	93.3
p1 Cal 6-250ng	6	✓	250.0	236.8	94.7
p1 Cal 7-500ng	7	✓	500.0	497.5	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1025.0	102.5

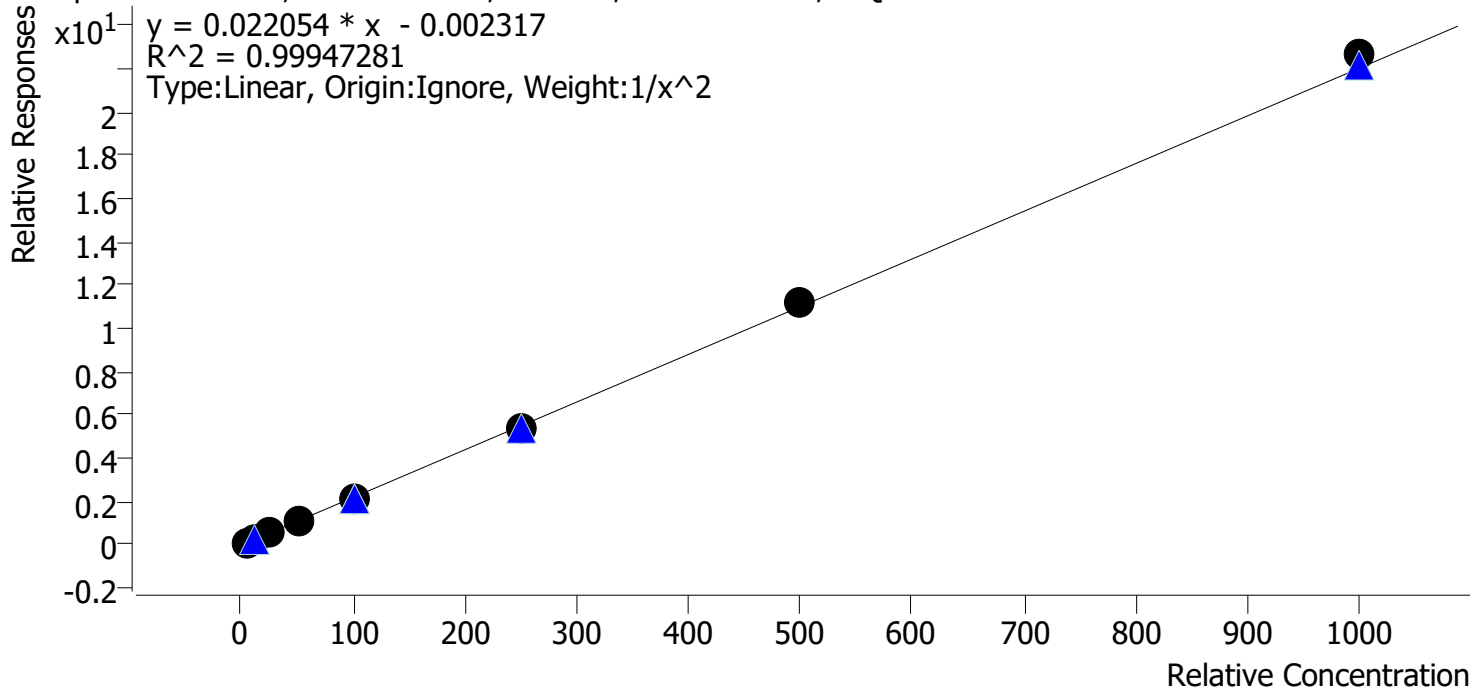
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



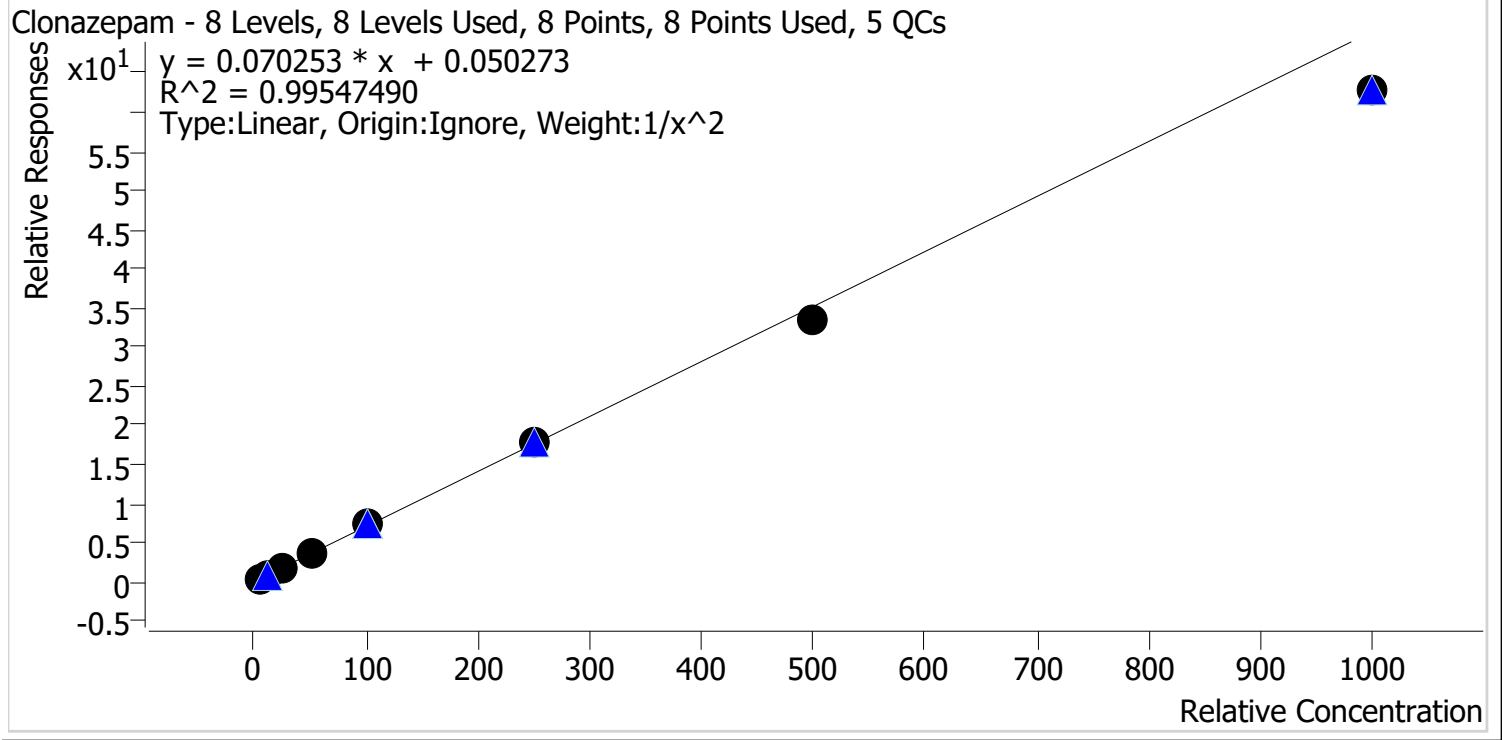
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	511.0	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1028.6	102.9

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 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	97.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	53.2	106.3
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	472.5	94.5
p1 Cal 8-1000ng	8	✓	1000.0	892.5	89.2

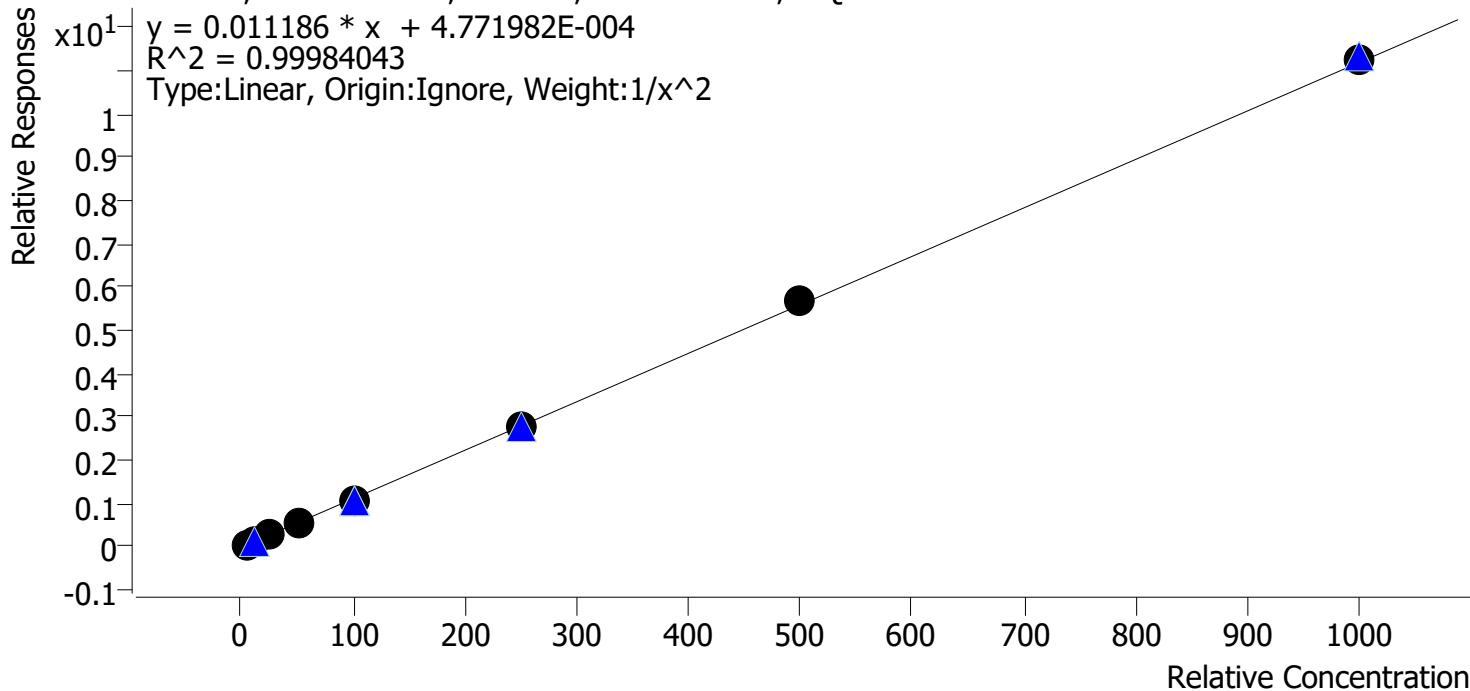
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	247.1	98.9
p1 Cal 7-500ng	7	✓	500.0	510.4	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1008.6	100.9

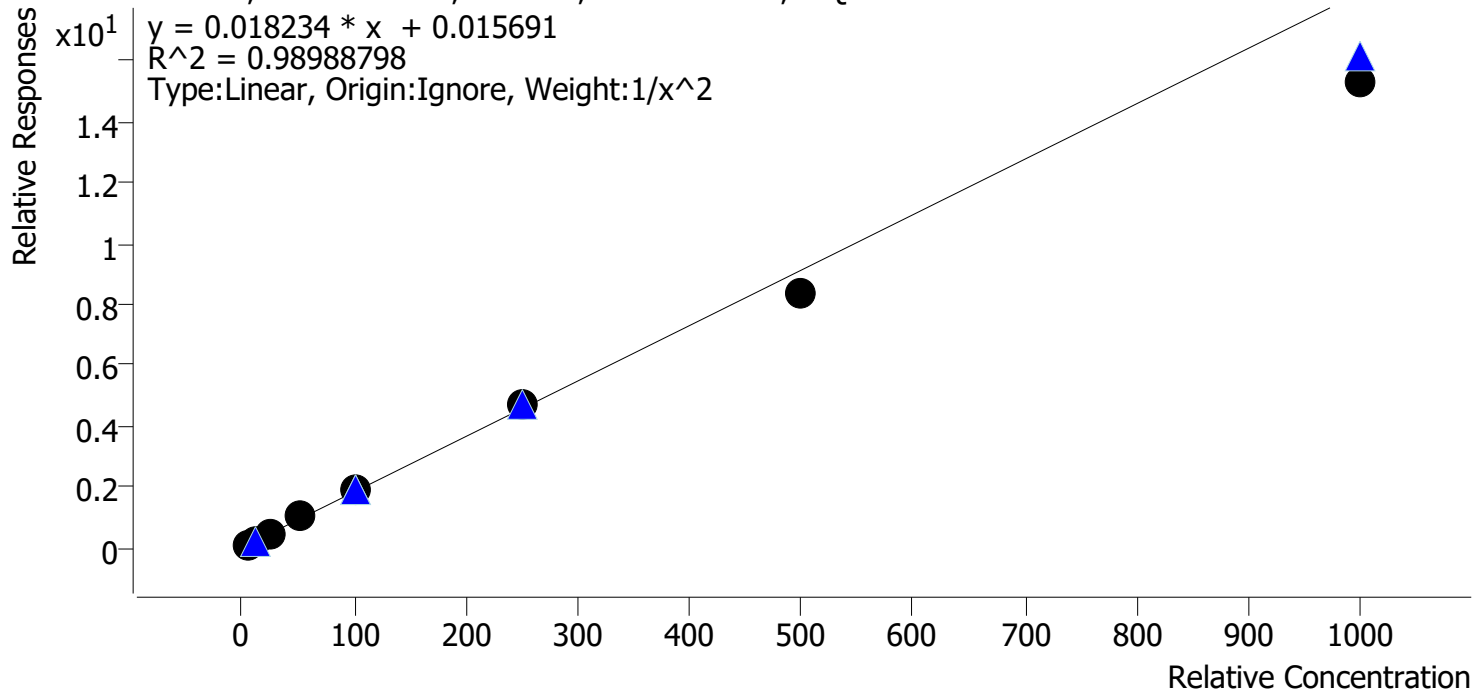
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.7
p1 Cal 4-50ng	4	✓	50.0	55.3	110.7
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	461.1	92.2
p1 Cal 8-1000ng	8	✓	1000.0	841.7	84.2

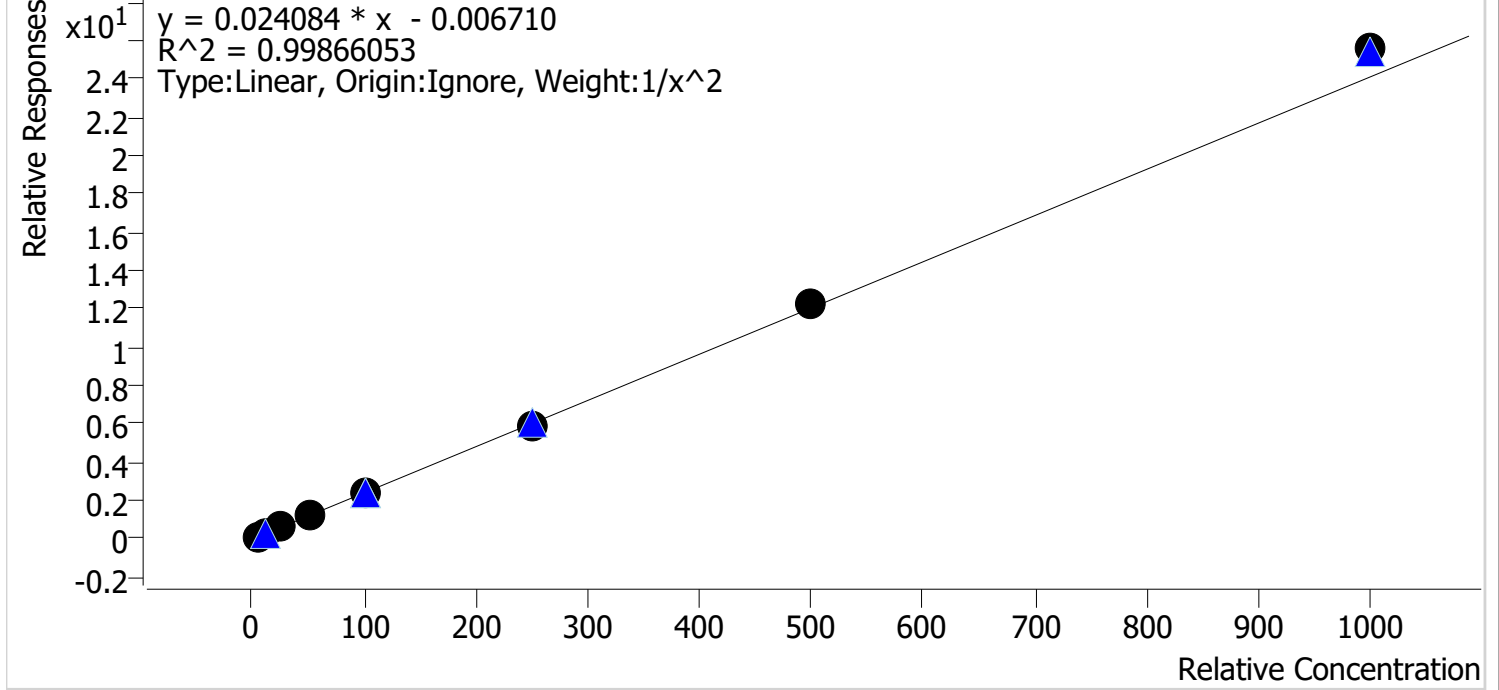
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



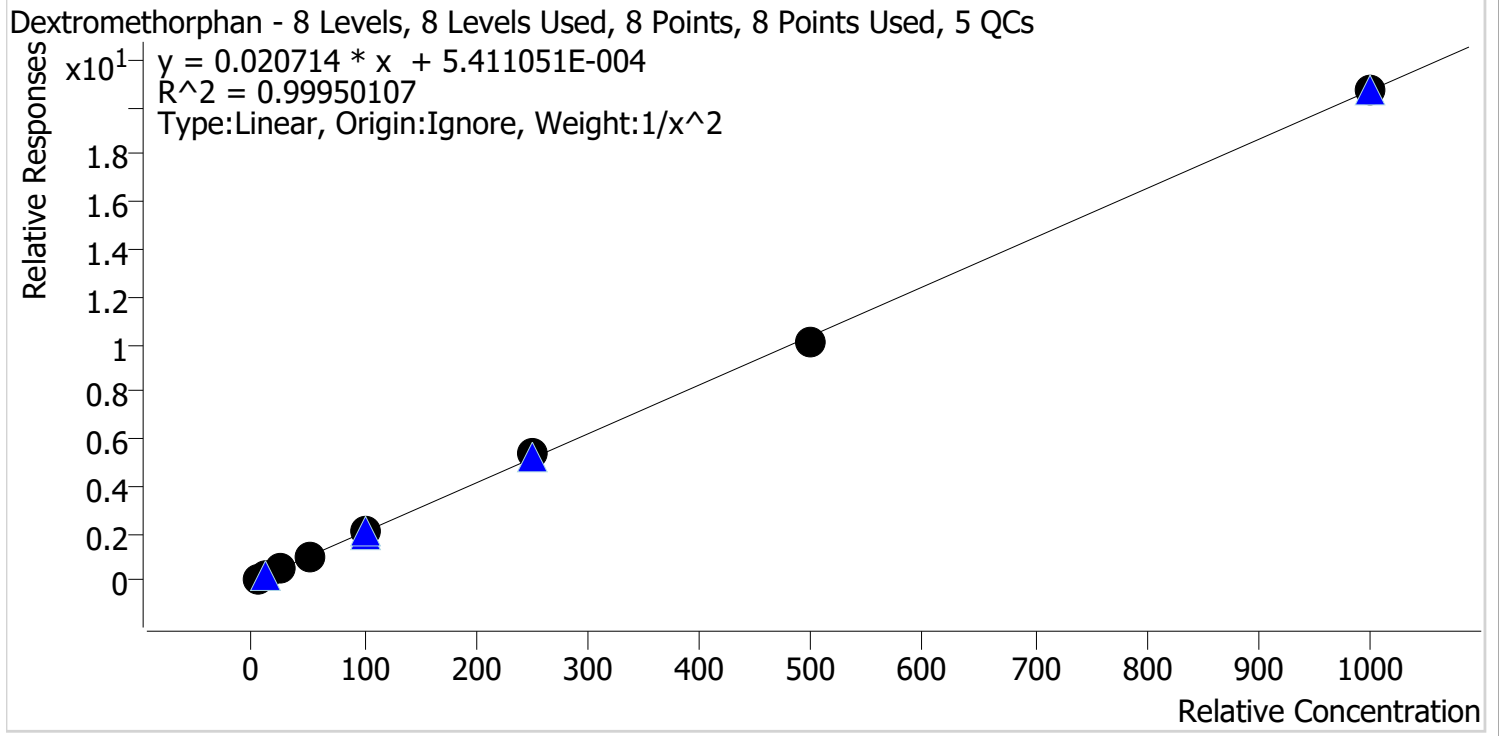
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	509.4	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1061.3	106.1

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3



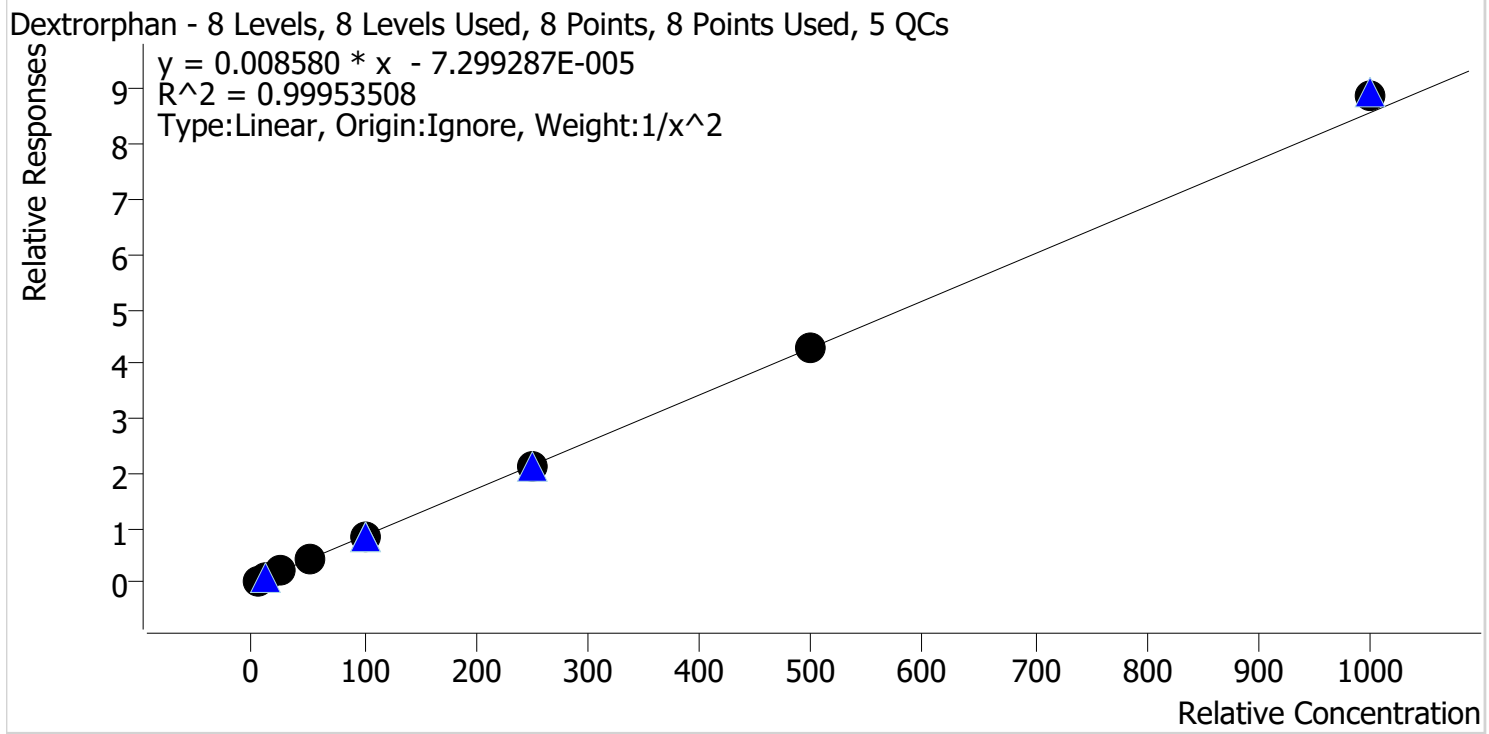
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	257.9	103.2
p1 Cal 7-500ng	7	✓	500.0	487.6	97.5
p1 Cal 8-1000ng	8	✓	1000.0	998.3	99.8

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	503.8	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1037.0	103.7

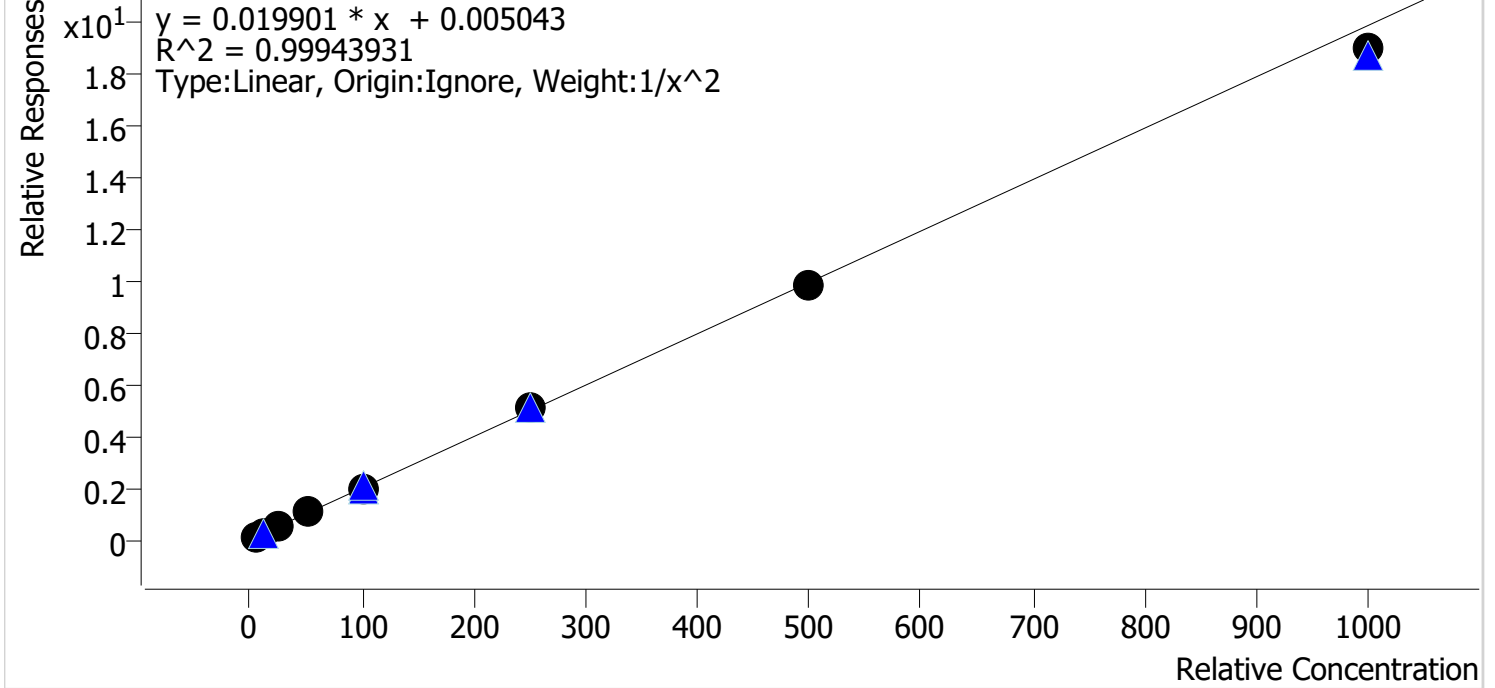
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	496.3	99.3
p1 Cal 8-1000ng	8	✓	1000.0	954.9	95.5

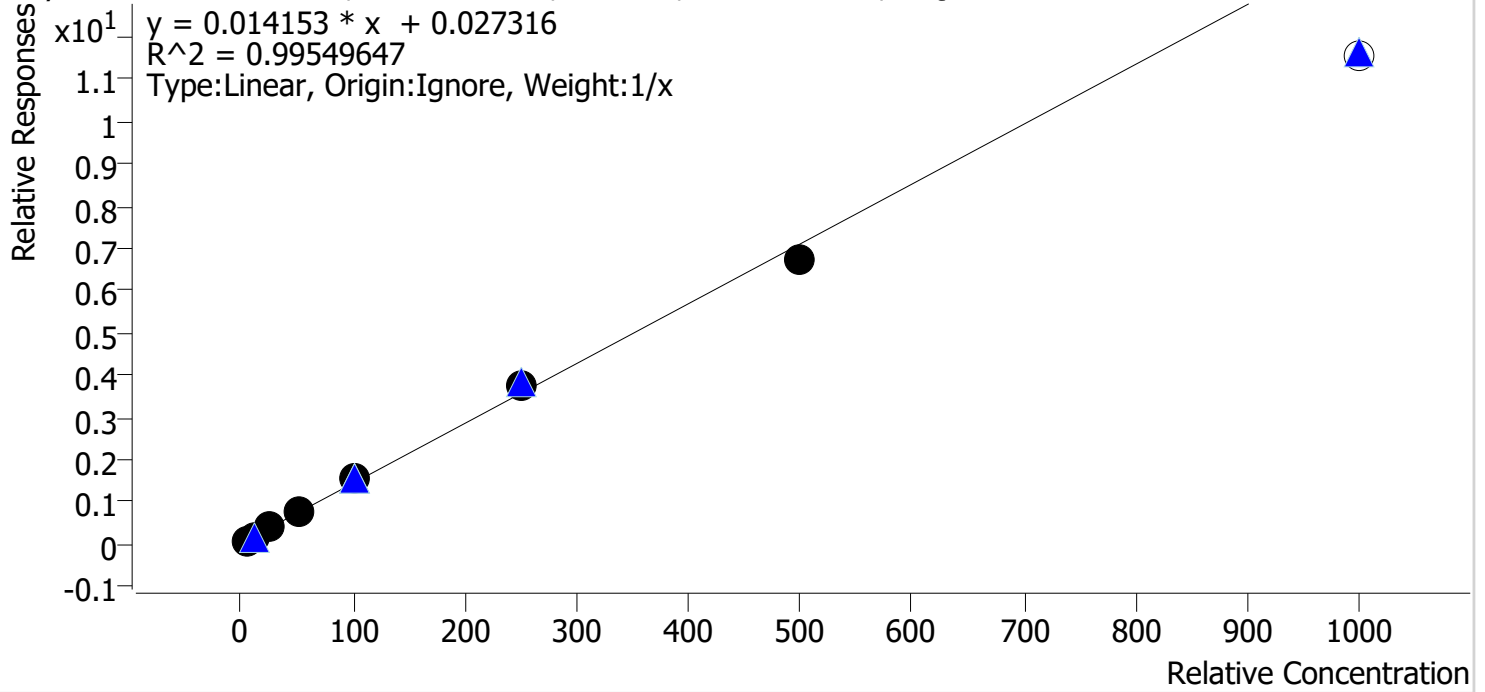
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.8	75.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.3
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	265.9	106.3
p1 Cal 7-500ng	7	✓	500.0	472.9	94.6
p1 Cal 8-1000ng	8	✗	1000.0	813.4	81.3

Cal 8 dropped due to accuracy

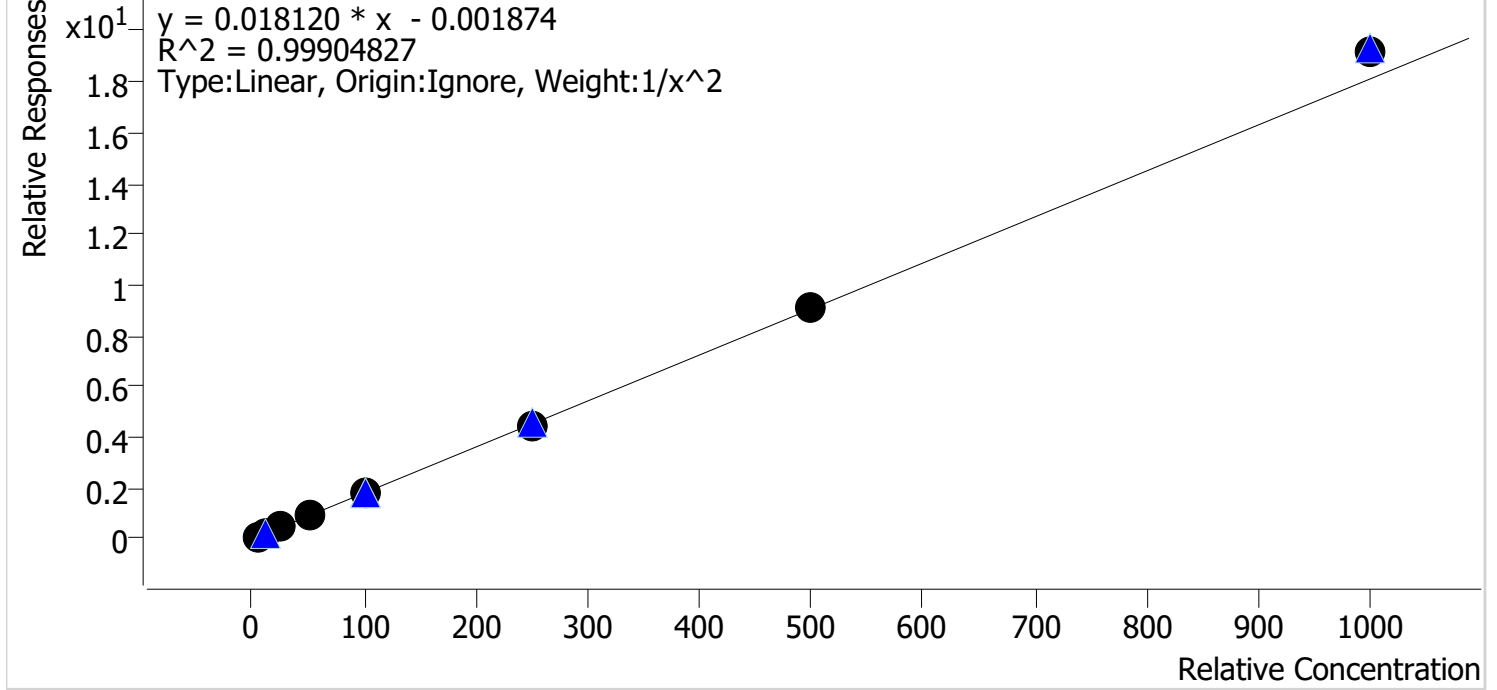
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	48.7	97.5
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	503.6	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1057.6	105.8

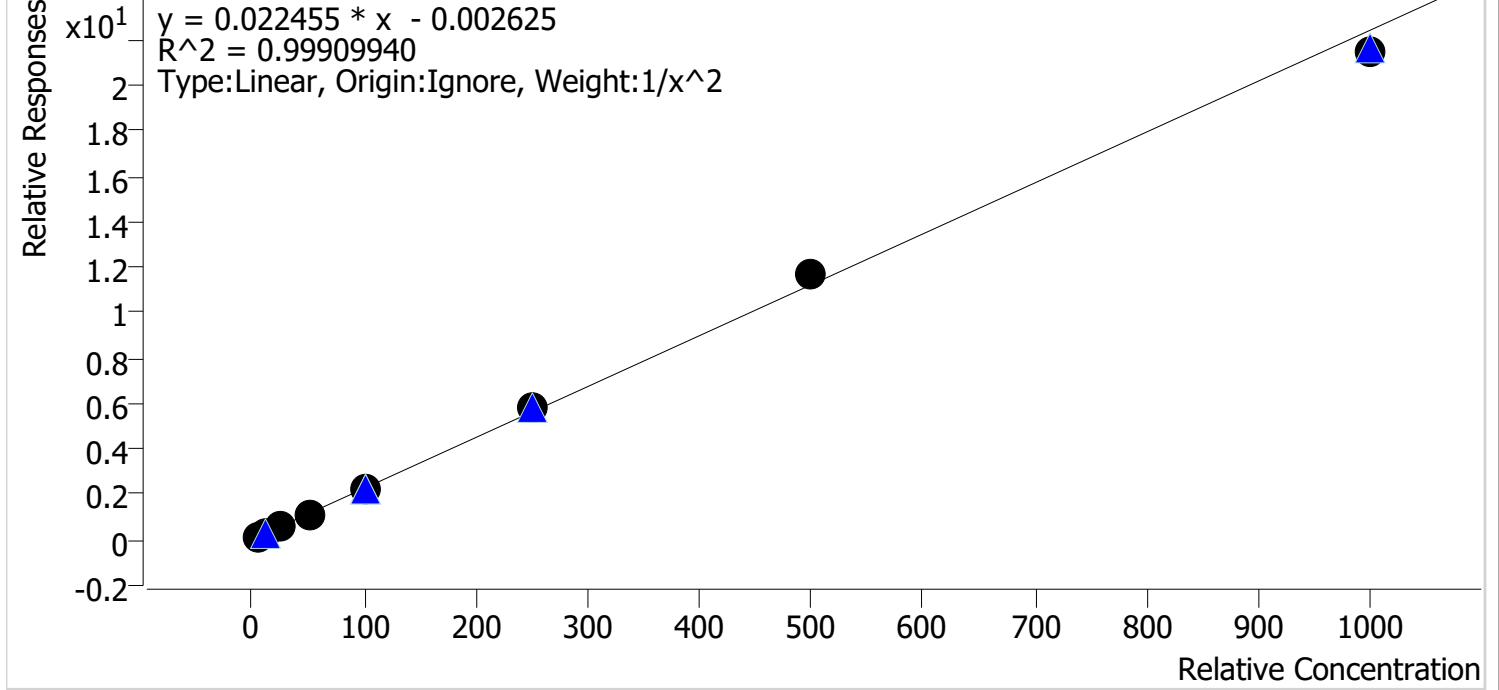
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	255.6	102.2
p1 Cal 7-500ng	7	✓	500.0	523.3	104.7
p1 Cal 8-1000ng	8	✓	1000.0	957.7	95.8

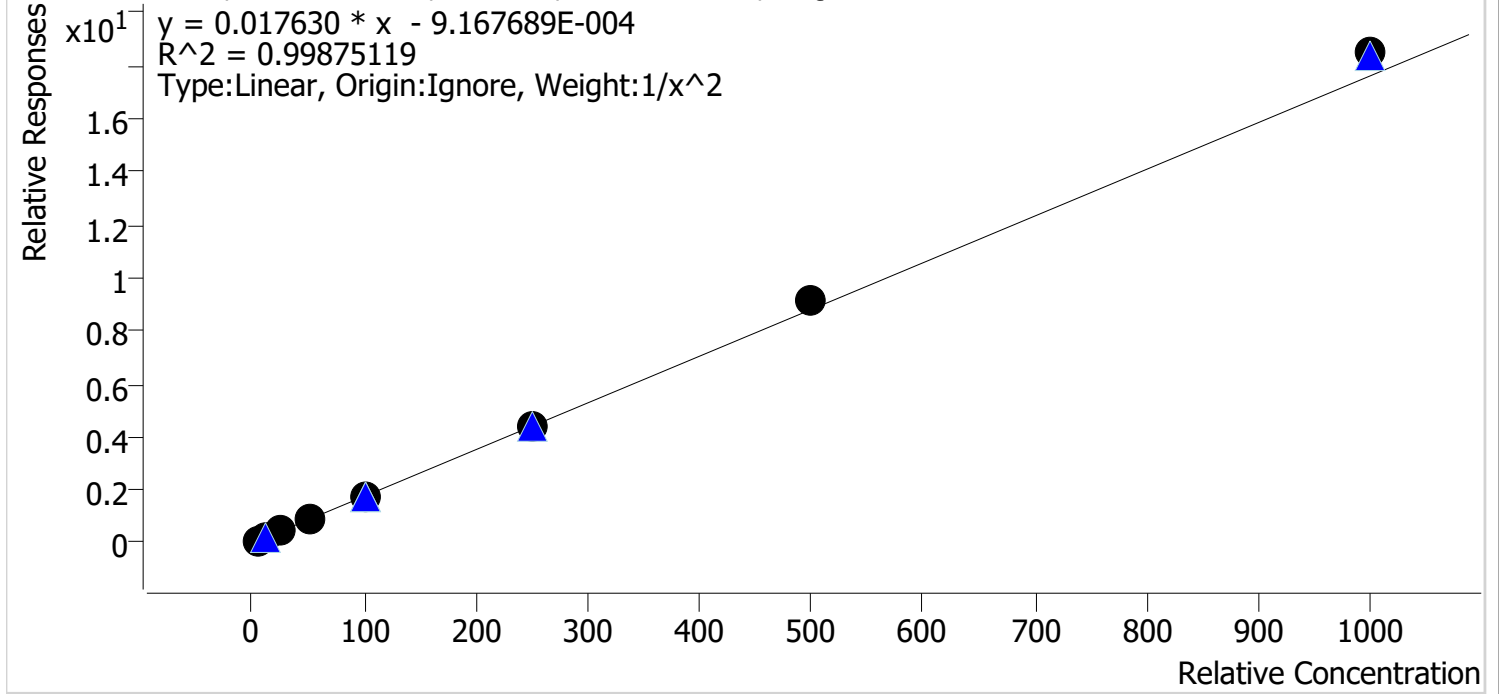
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	48.0	95.9
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	517.2	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1049.8	105.0

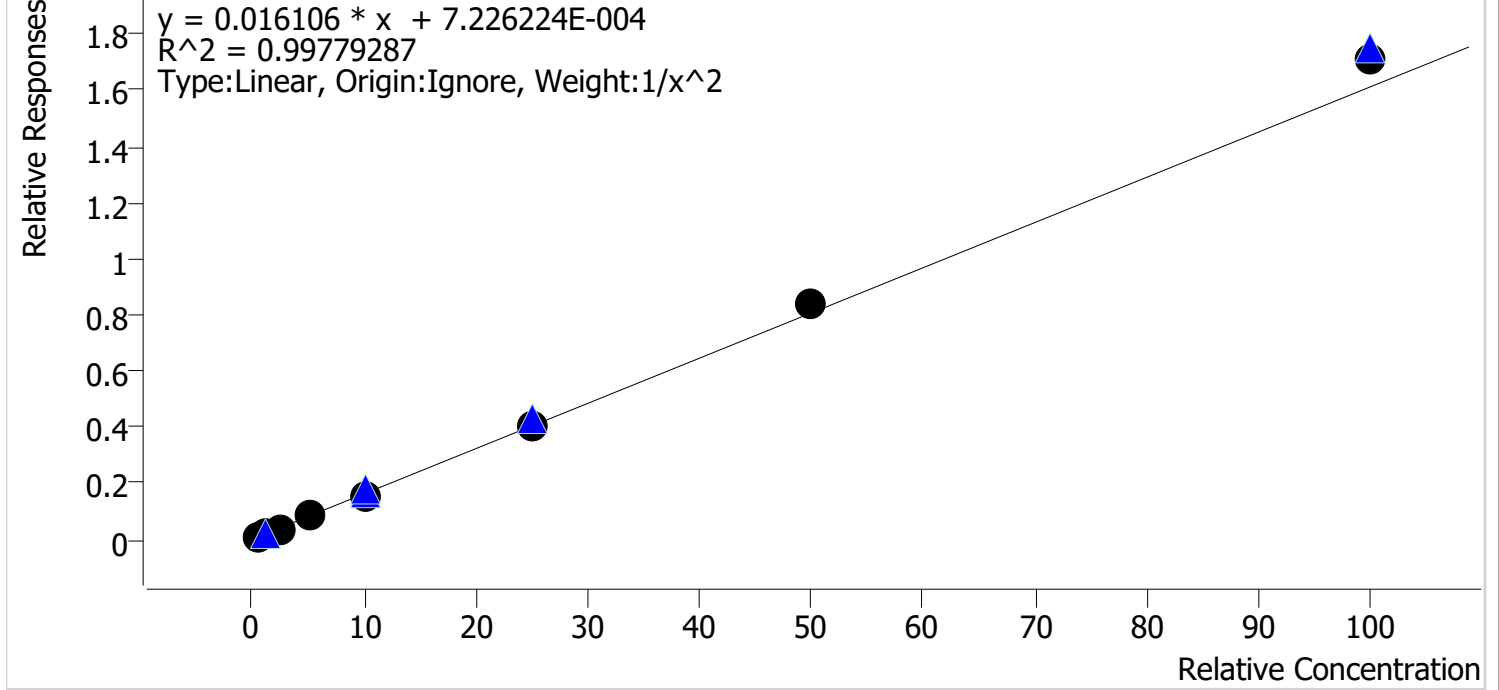
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.7
p1 Cal 2-10ng	2	✓	1.0	1.0	101.9
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.7
p1 Cal 4-50ng	4	✓	5.0	5.0	99.6
p1 Cal 5-100ng	5	✓	10.0	9.7	97.1
p1 Cal 6-250ng	6	✓	25.0	24.6	98.4
p1 Cal 7-500ng	7	✓	50.0	51.7	103.5
p1 Cal 8-1000ng	8	✓	100.0	106.1	106.1

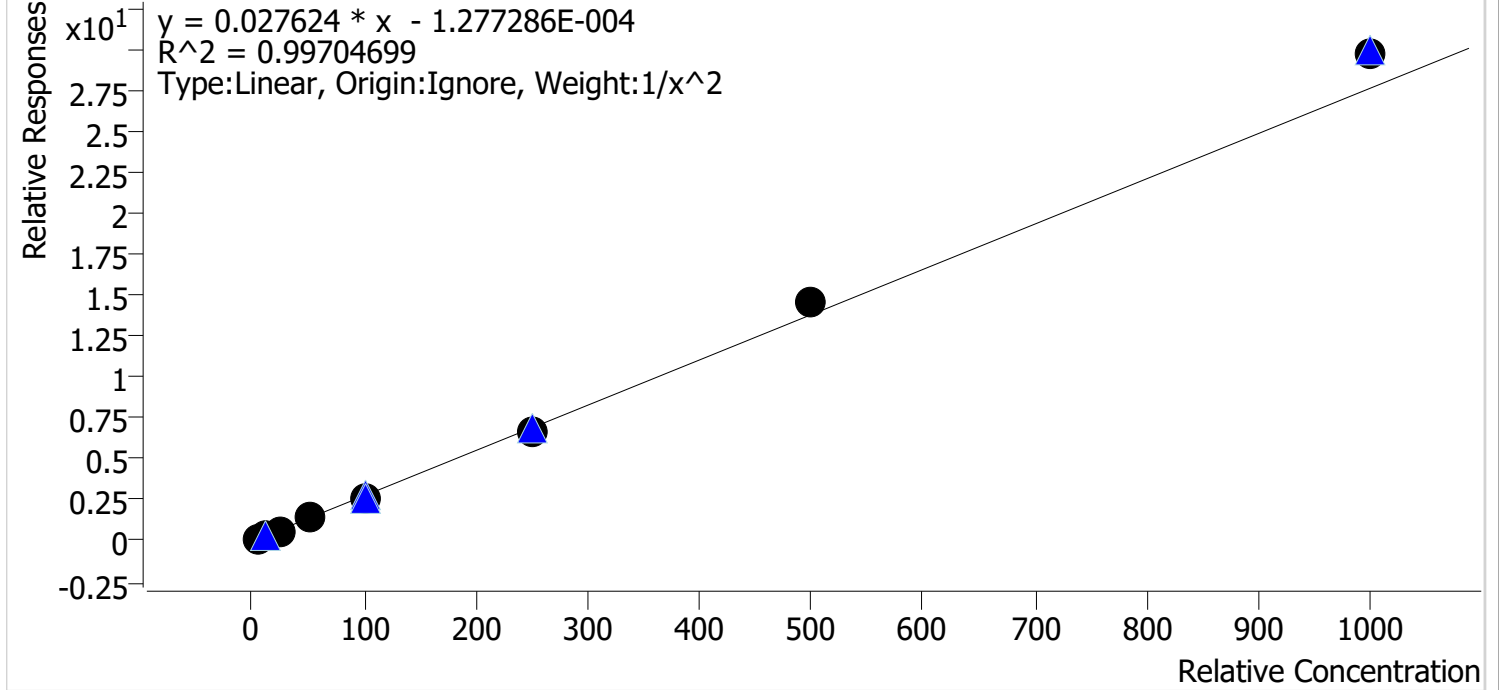
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



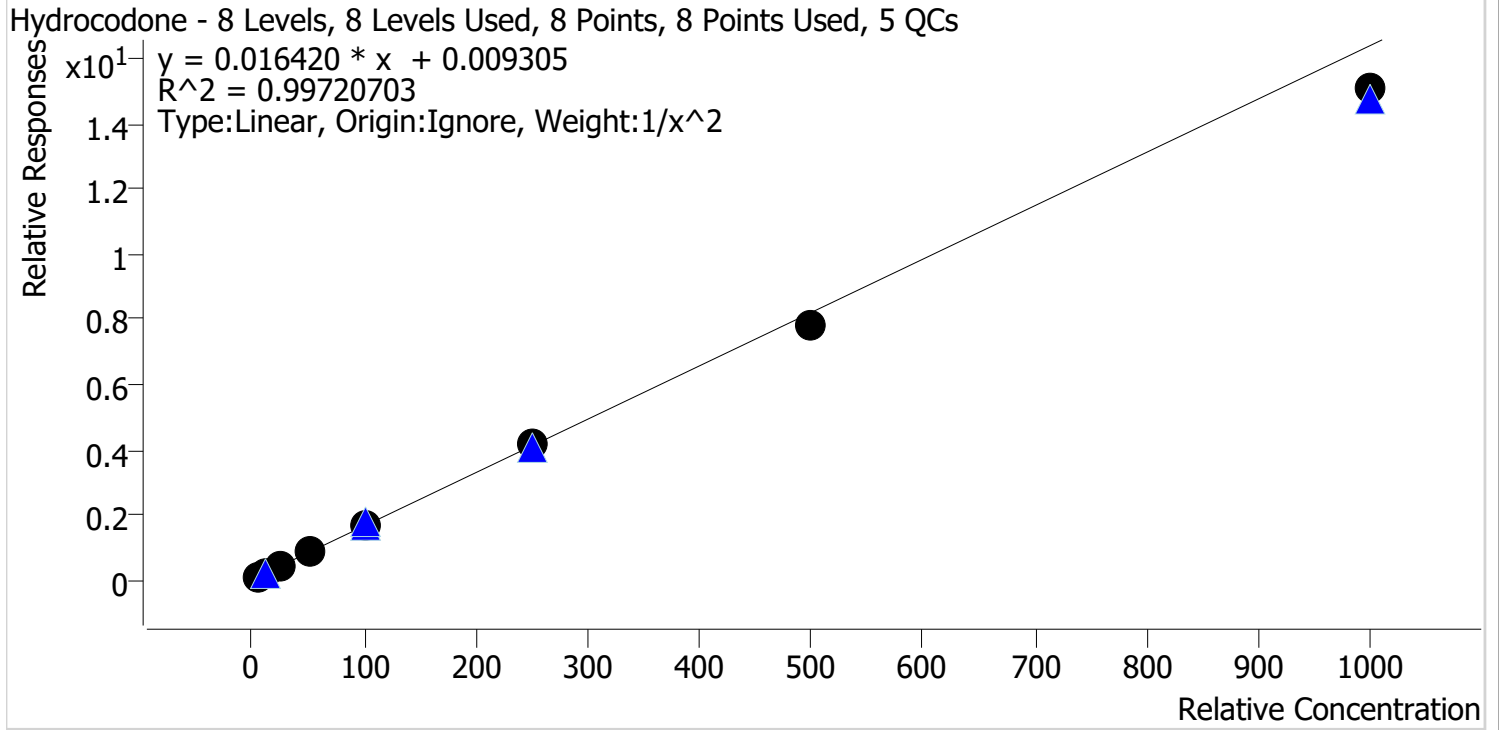
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	243.5	97.4
p1 Cal 7-500ng	7	✓	500.0	527.0	105.4
p1 Cal 8-1000ng	8	✓	1000.0	1078.1	107.8

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 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	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.4
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	475.7	95.1
p1 Cal 8-1000ng	8	✓	1000.0	919.4	91.9

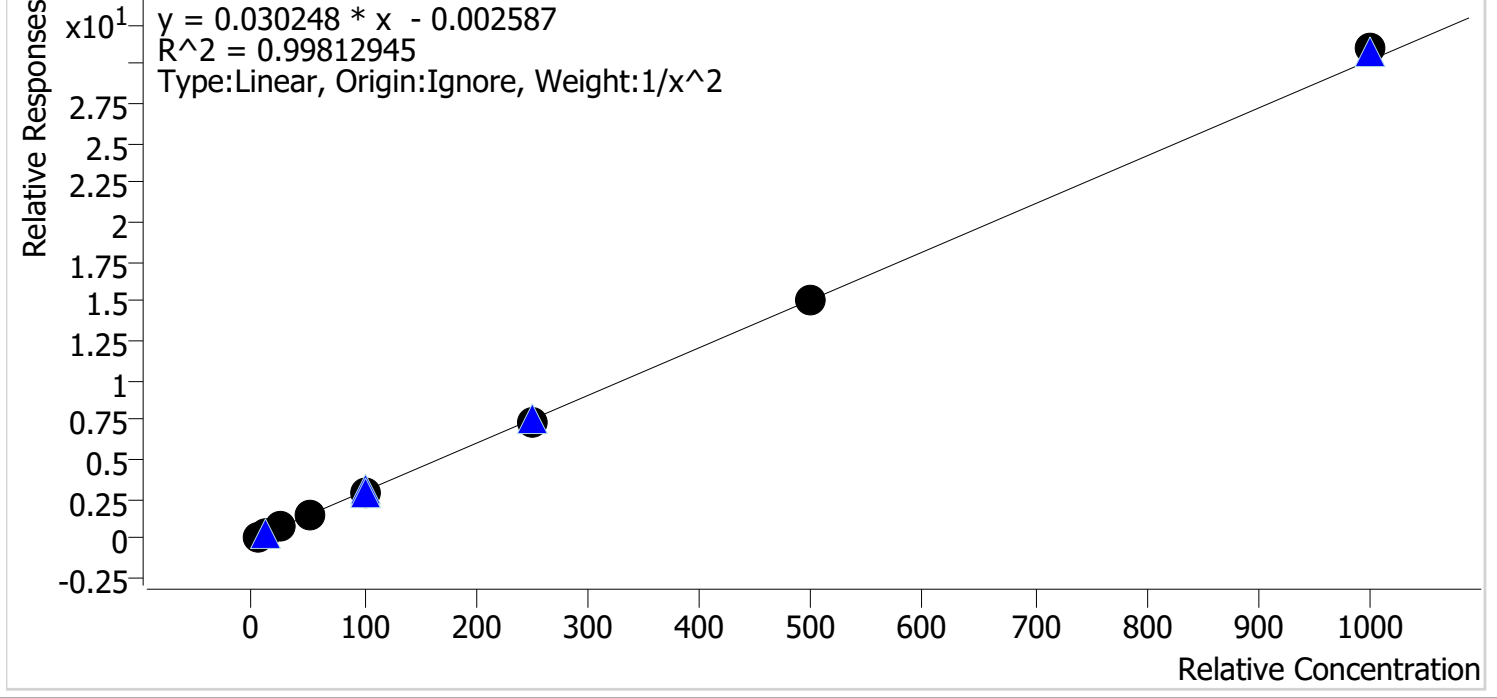
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



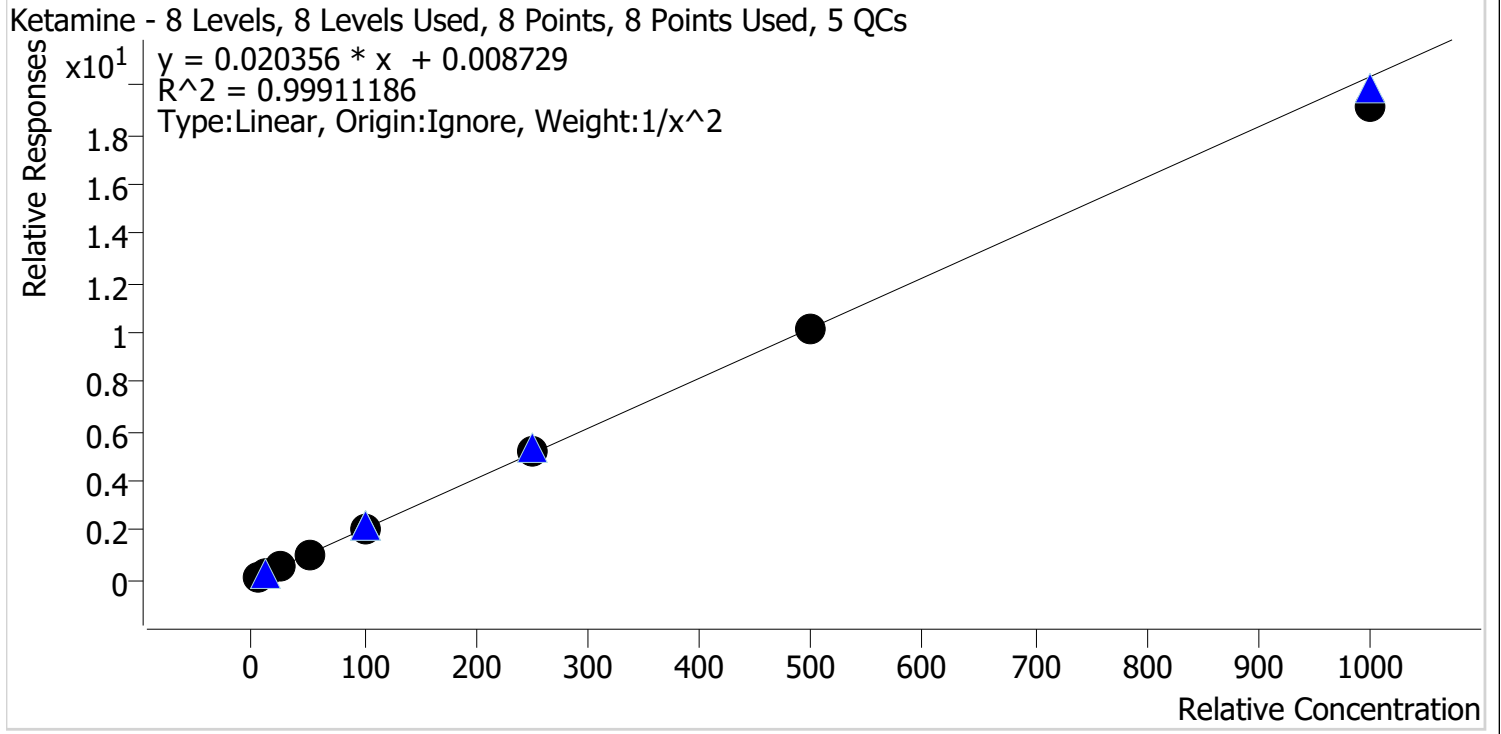
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.2	91.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	499.5	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1024.3	102.4

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



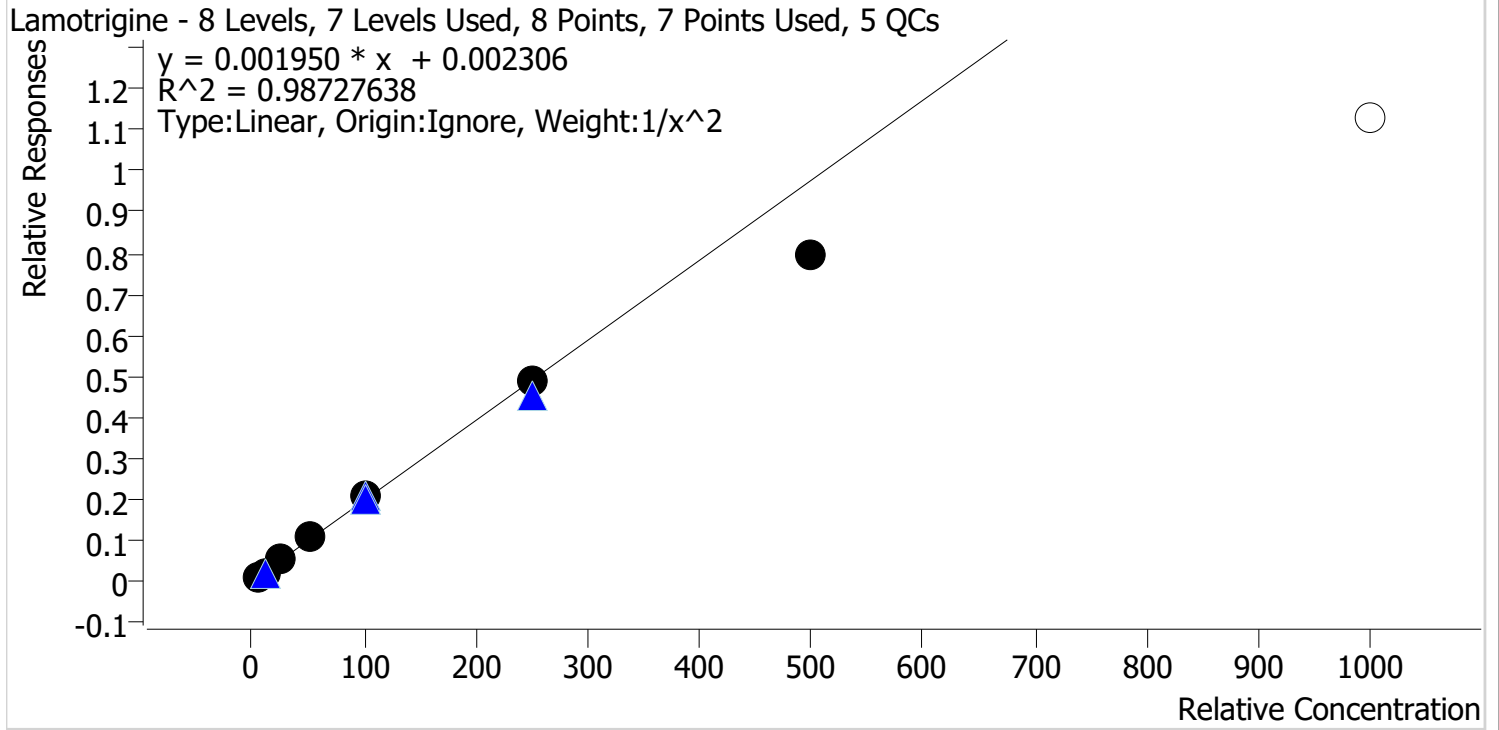
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	252.1	100.9
p1 Cal 7-500ng	7	✓	500.0	497.4	99.5
p1 Cal 8-1000ng	8	✓	1000.0	942.8	94.3

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 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	4.7	94.7
p1 Cal 2-10ng	2	✓	10.0	10.6	106.0
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.6
p1 Cal 4-50ng	4	✓	50.0	53.8	107.5
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	247.4	98.9
p1 Cal 7-500ng	7	✓	500.0	405.6	81.1
p1 Cal 8-1000ng	8	✗	1000.0	580.2	58.0

Cal 8 dropped due to accuracy

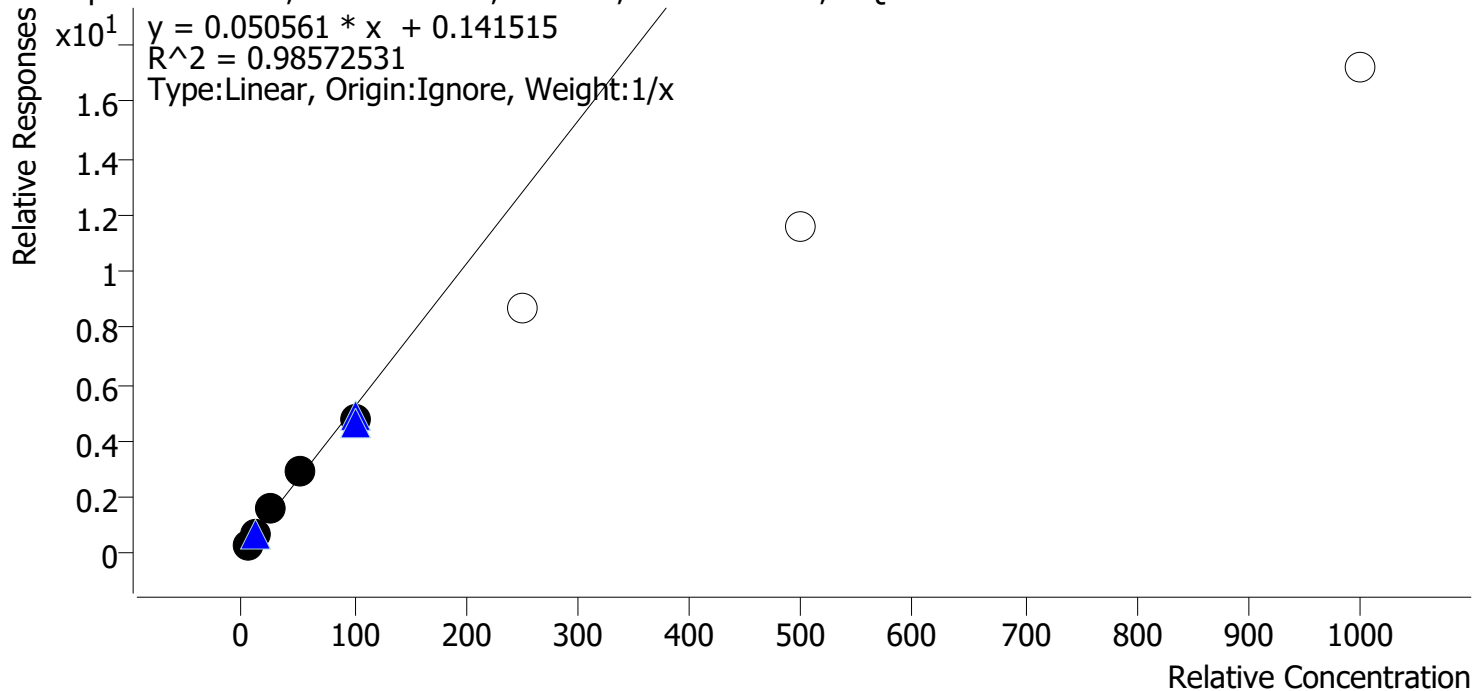
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.1	81.9
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	28.4	113.6
p1 Cal 4-50ng	4	✓	50.0	55.1	110.3
p1 Cal 5-100ng	5	✓	100.0	92.2	92.2
p1 Cal 6-250ng	6	x	250.0	169.2	67.7
p1 Cal 7-500ng	7	x	500.0	226.7	45.3
p1 Cal 8-1000ng	8	x	1000.0	337.6	33.8

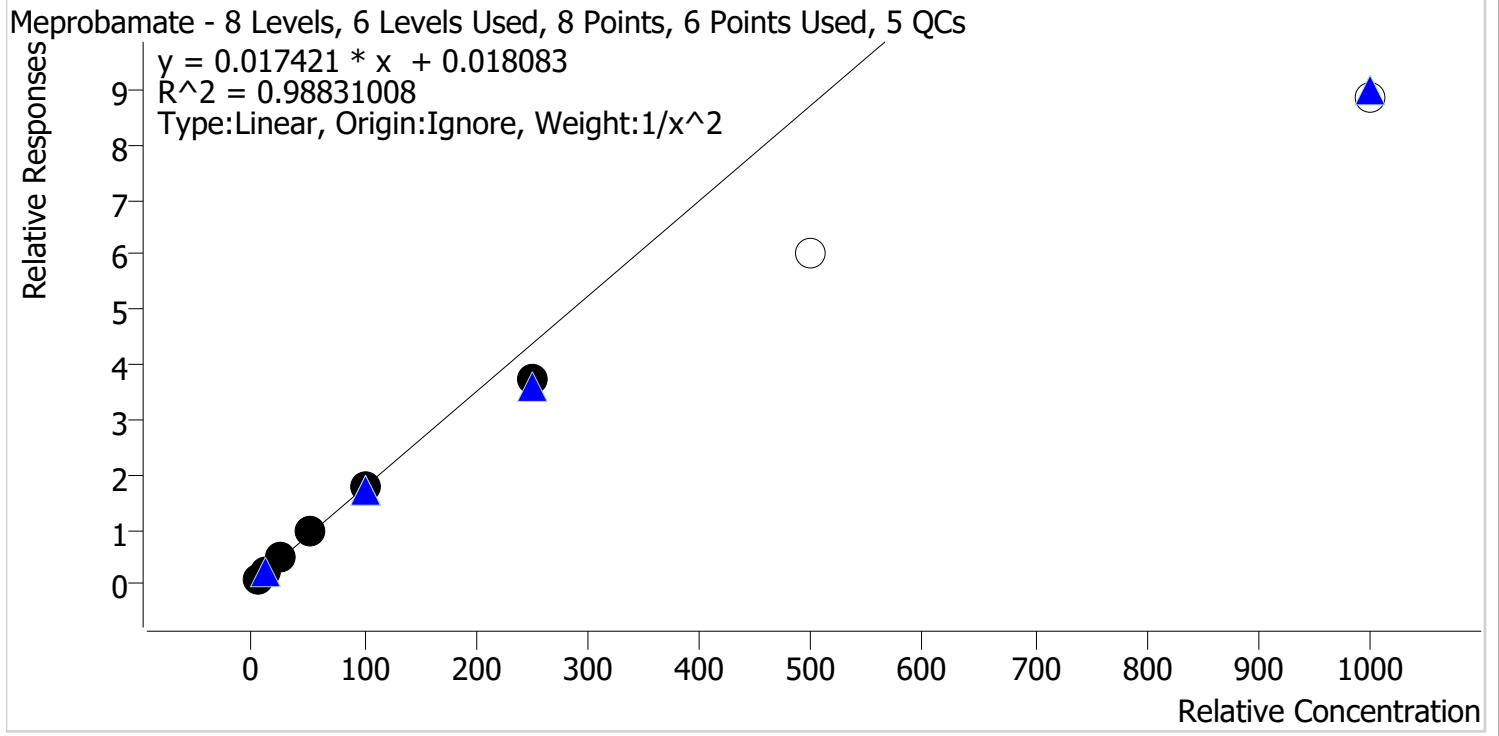
Cal 6-8 dropped due to accuracy

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 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	4.7	94.1
p1 Cal 2-10ng	2	✓	10.0	10.9	108.7
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	214.4	85.8
p1 Cal 7-500ng	7	x	500.0	345.0	69.0
p1 Cal 8-1000ng	8	x	1000.0	507.0	50.7

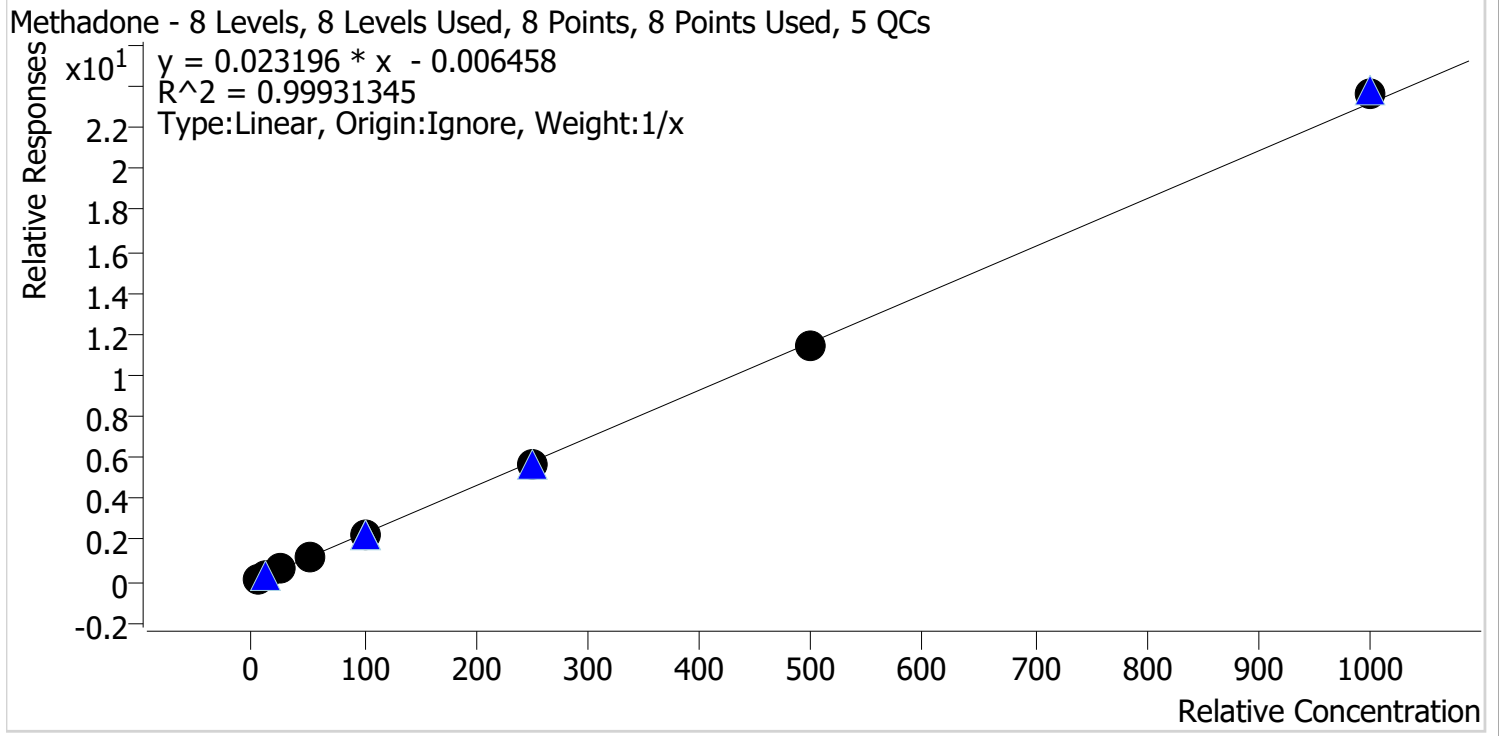
Cal 7 and 8 dropped due to accuracy

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9



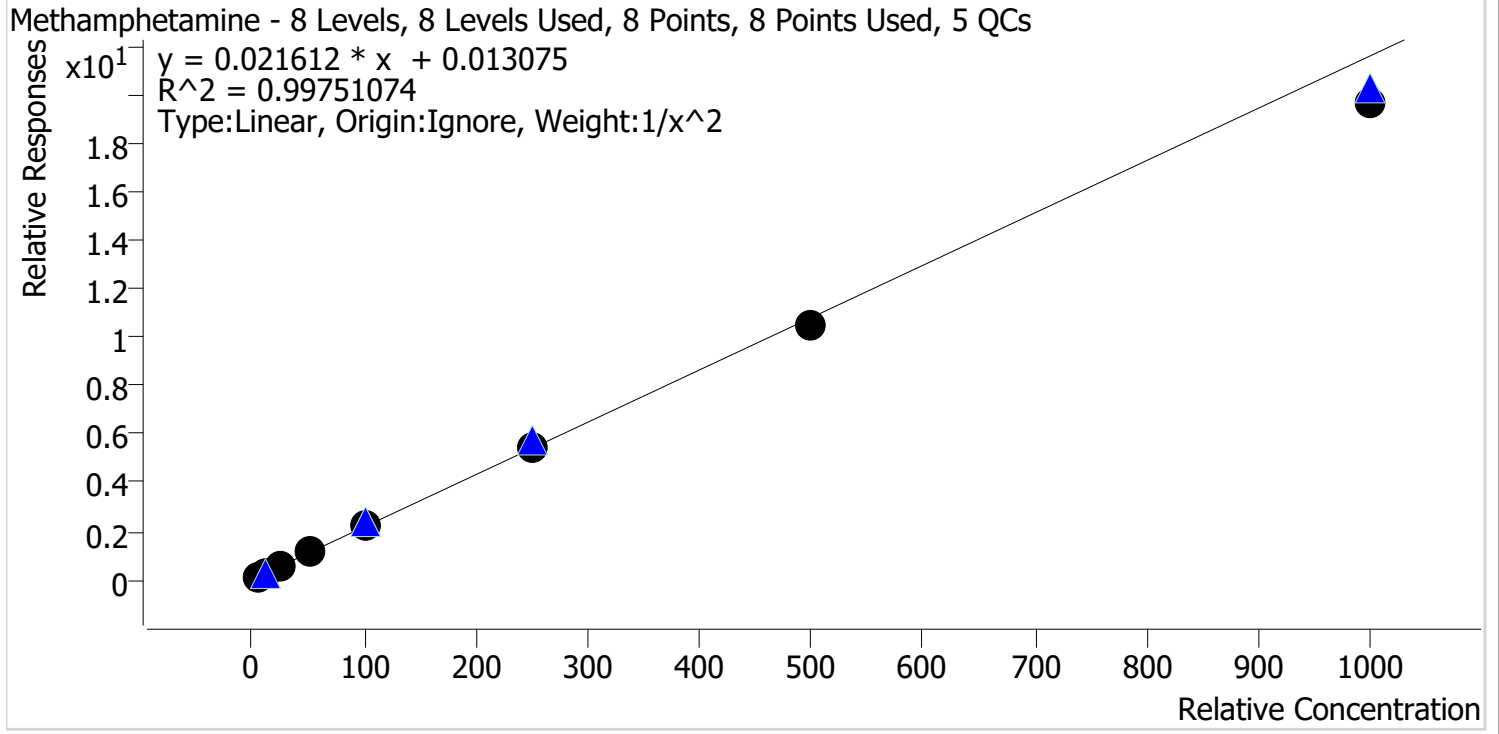
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	111.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	48.5	96.9
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	243.4	97.4
p1 Cal 7-500ng	7	✓	500.0	489.1	97.8
p1 Cal 8-1000ng	8	✓	1000.0	1022.9	102.3

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



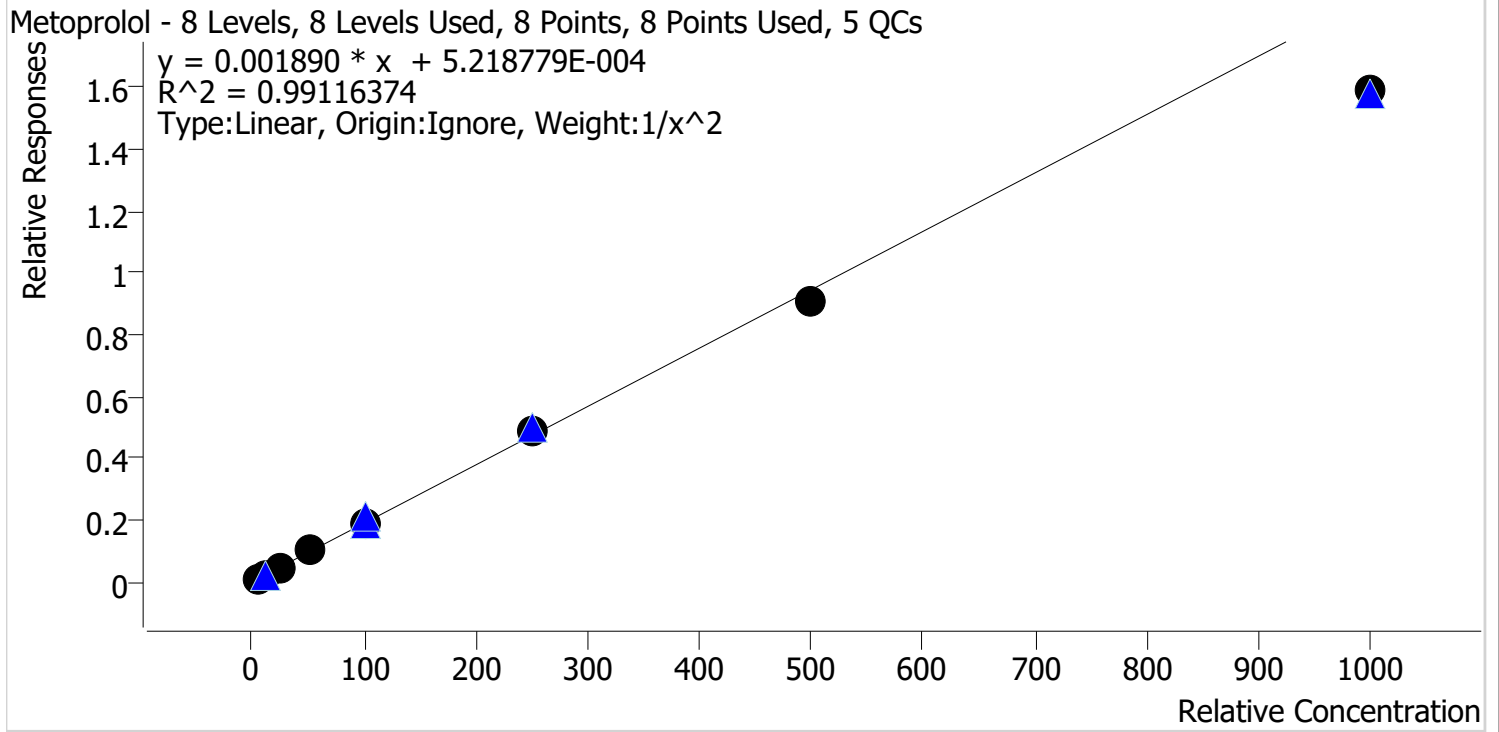
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	488.6	97.7
p1 Cal 8-1000ng	8	✓	1000.0	911.8	91.2

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



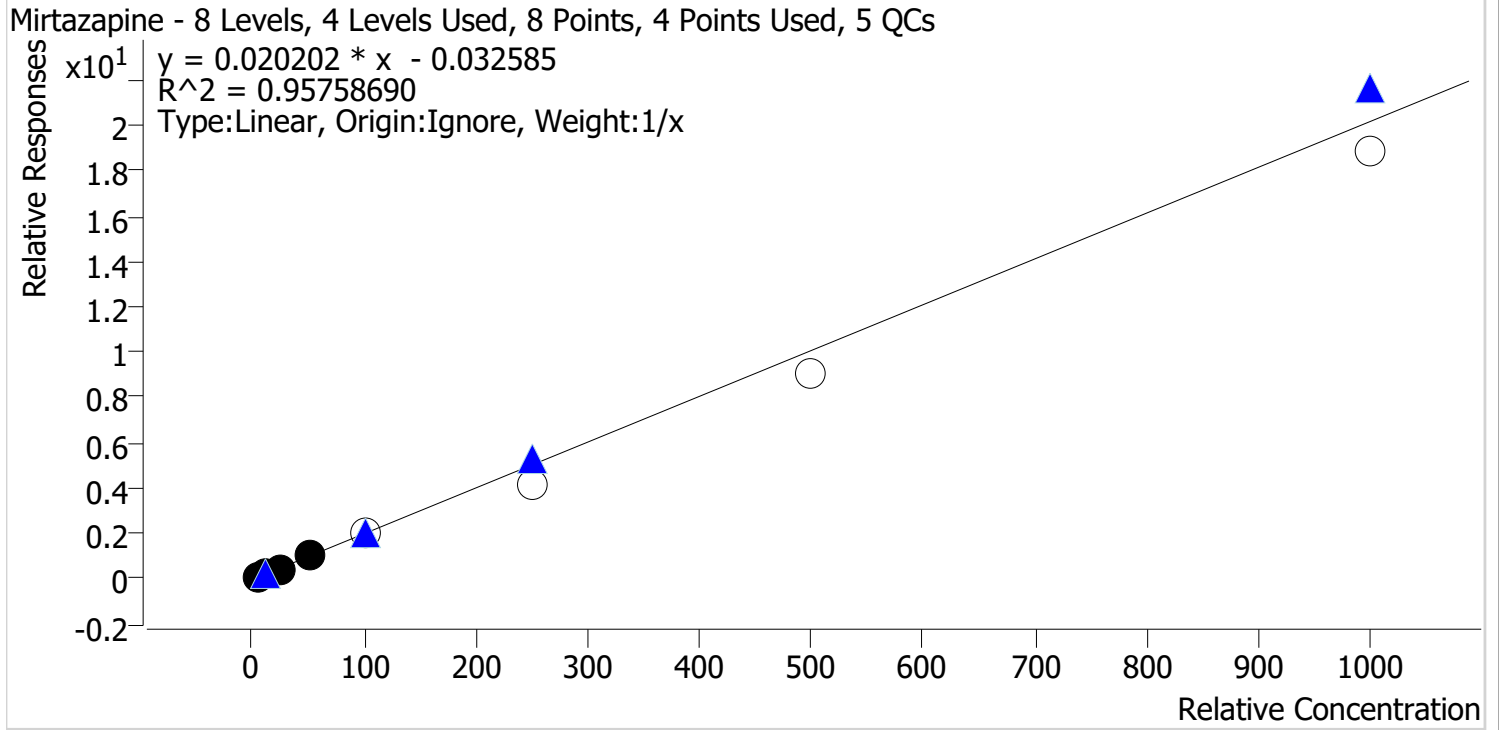
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	56.4	112.8
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	257.4	103.0
p1 Cal 7-500ng	7	✓	500.0	478.6	95.7
p1 Cal 8-1000ng	8	✓	1000.0	841.2	84.1

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.1	122.0
p1 Cal 2-10ng	2	✓	10.0	8.8	88.3
p1 Cal 3 -25ng	3	✓	25.0	19.8	79.2
p1 Cal 4-50ng	4	✓	50.0	55.3	110.5
p1 Cal 5-100ng	5	x	100.0	100.7	100.7
p1 Cal 6-250ng	6	x	250.0	209.4	83.8
p1 Cal 7-500ng	7	x	500.0	446.4	89.3
p1 Cal 8-1000ng	8	x	1000.0	934.4	93.4

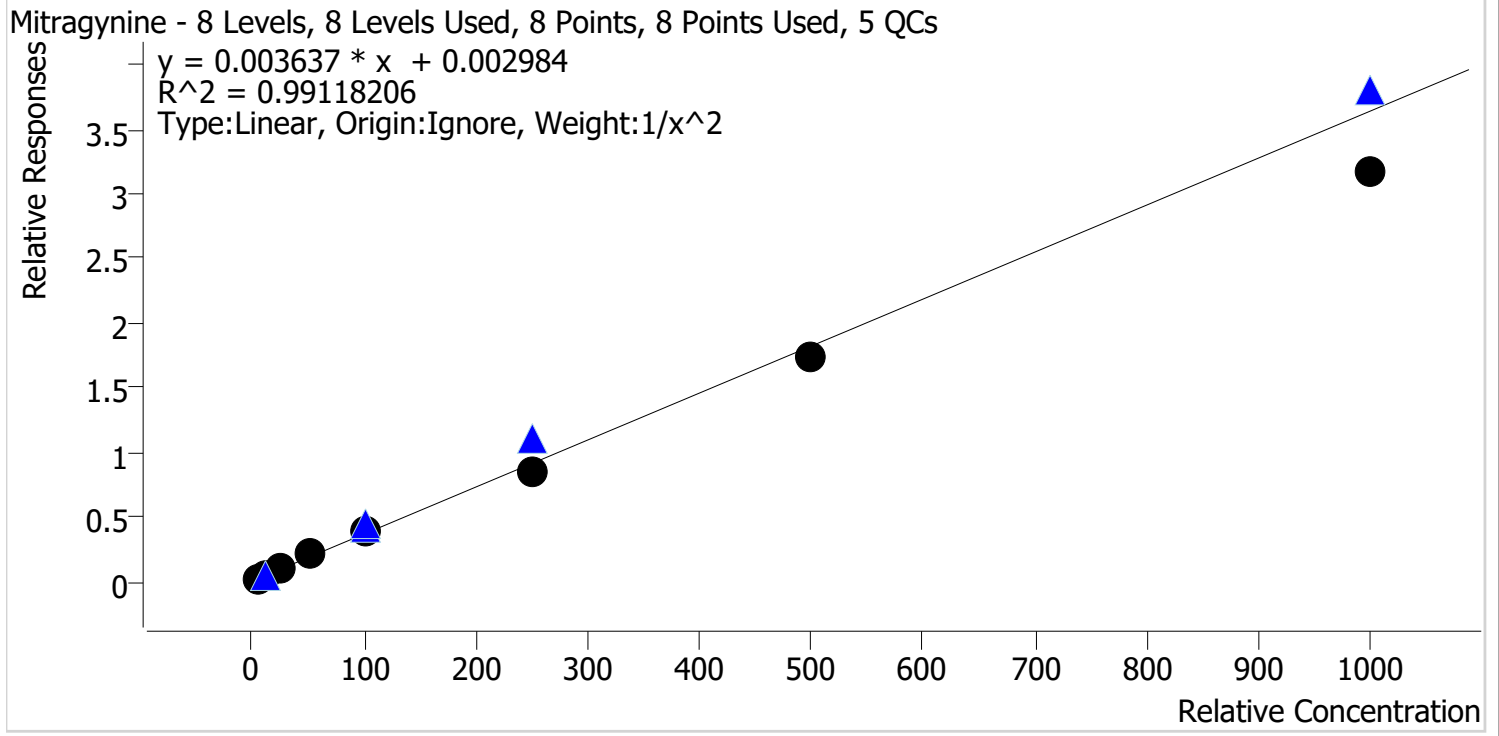
Compound not evaluated due to accuracy

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



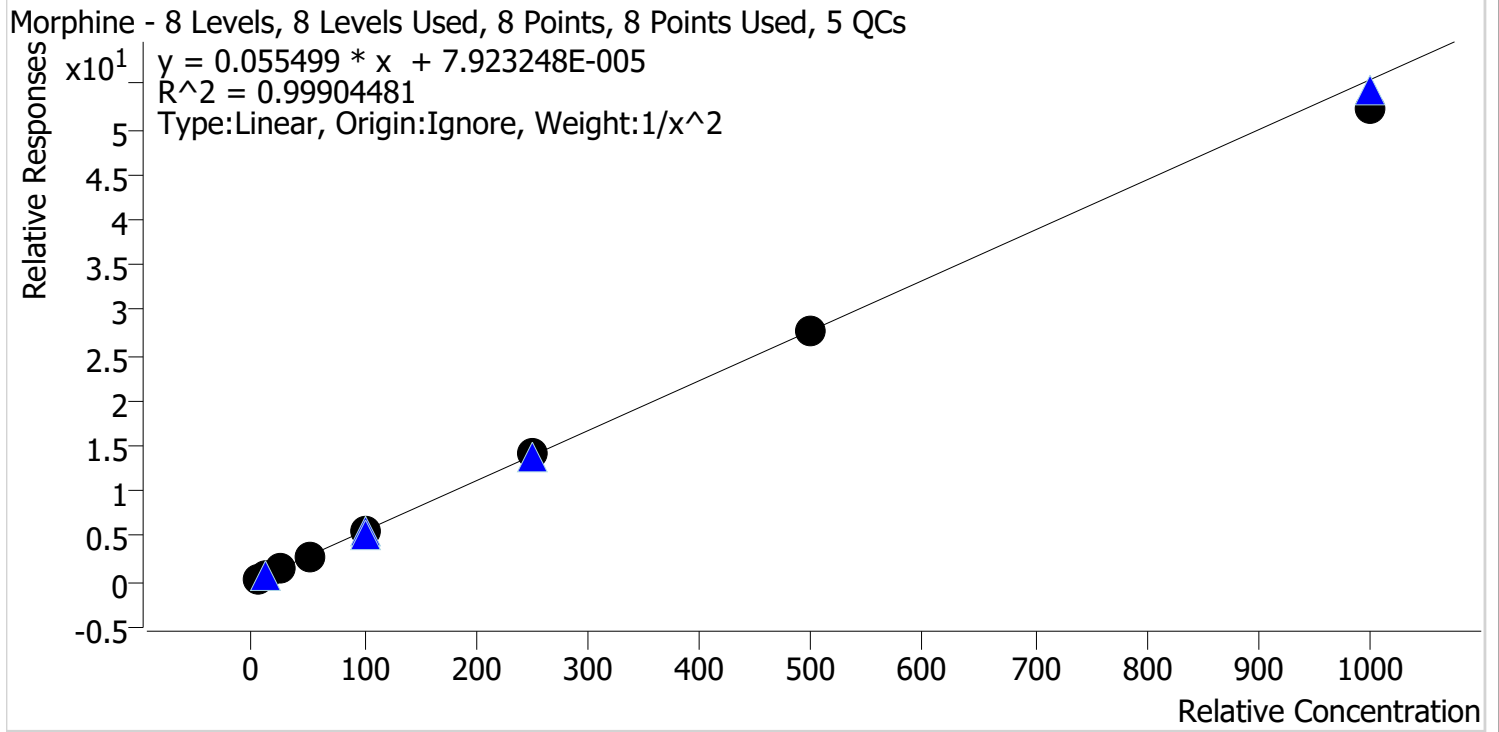
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	109.9	109.9
p1 Cal 6-250ng	6	✓	250.0	235.5	94.2
p1 Cal 7-500ng	7	✓	500.0	475.6	95.1
p1 Cal 8-1000ng	8	✓	1000.0	869.9	87.0

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	254.1	101.7
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	944.4	94.4

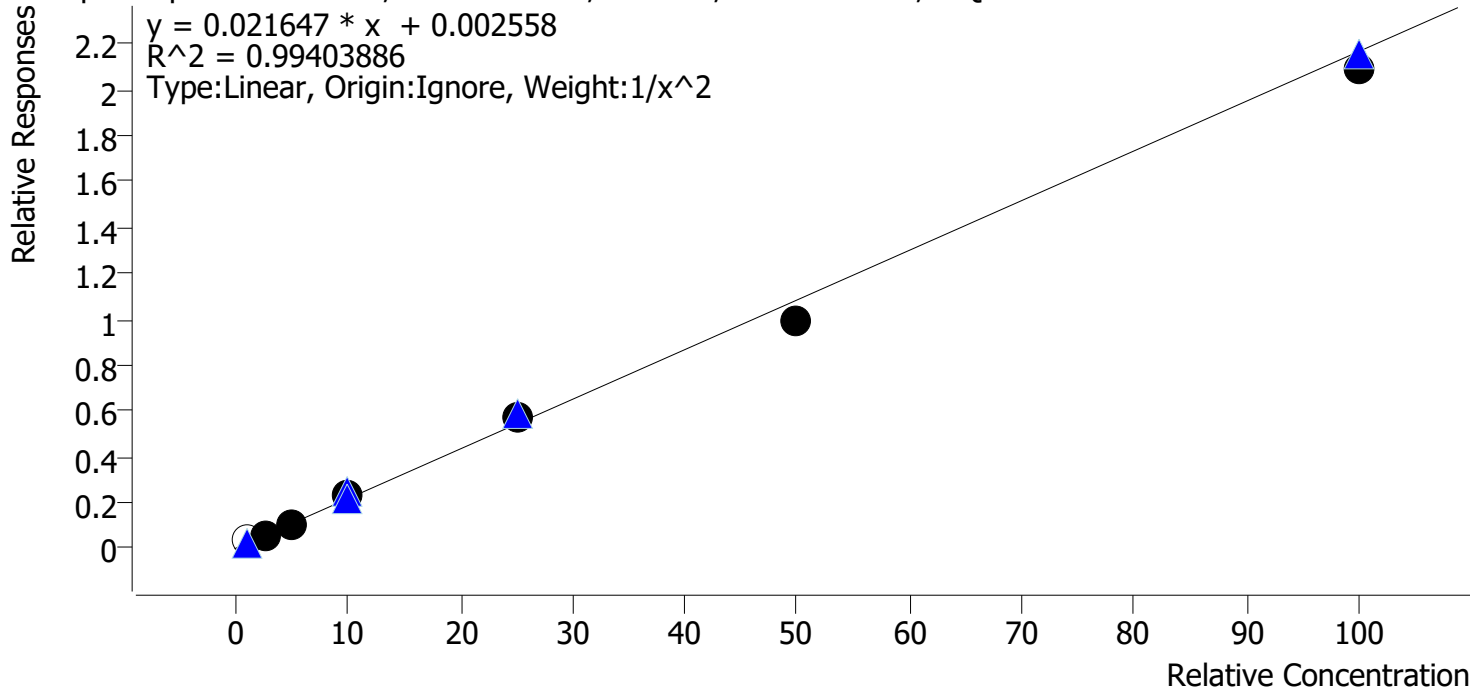
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 7 Levels, 6 Levels Used, 7 Points, 6 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	x	1.0	1.6	155.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.5
p1 Cal 4-50ng	4	✓	5.0	5.0	100.4
p1 Cal 5-100ng	5	✓	10.0	10.9	109.4
p1 Cal 6-250ng	6	✓	25.0	26.1	104.4
p1 Cal 7-500ng	7	✓	50.0	46.0	92.0
p1 Cal 8-1000ng	8	✓	100.0	96.3	96.3

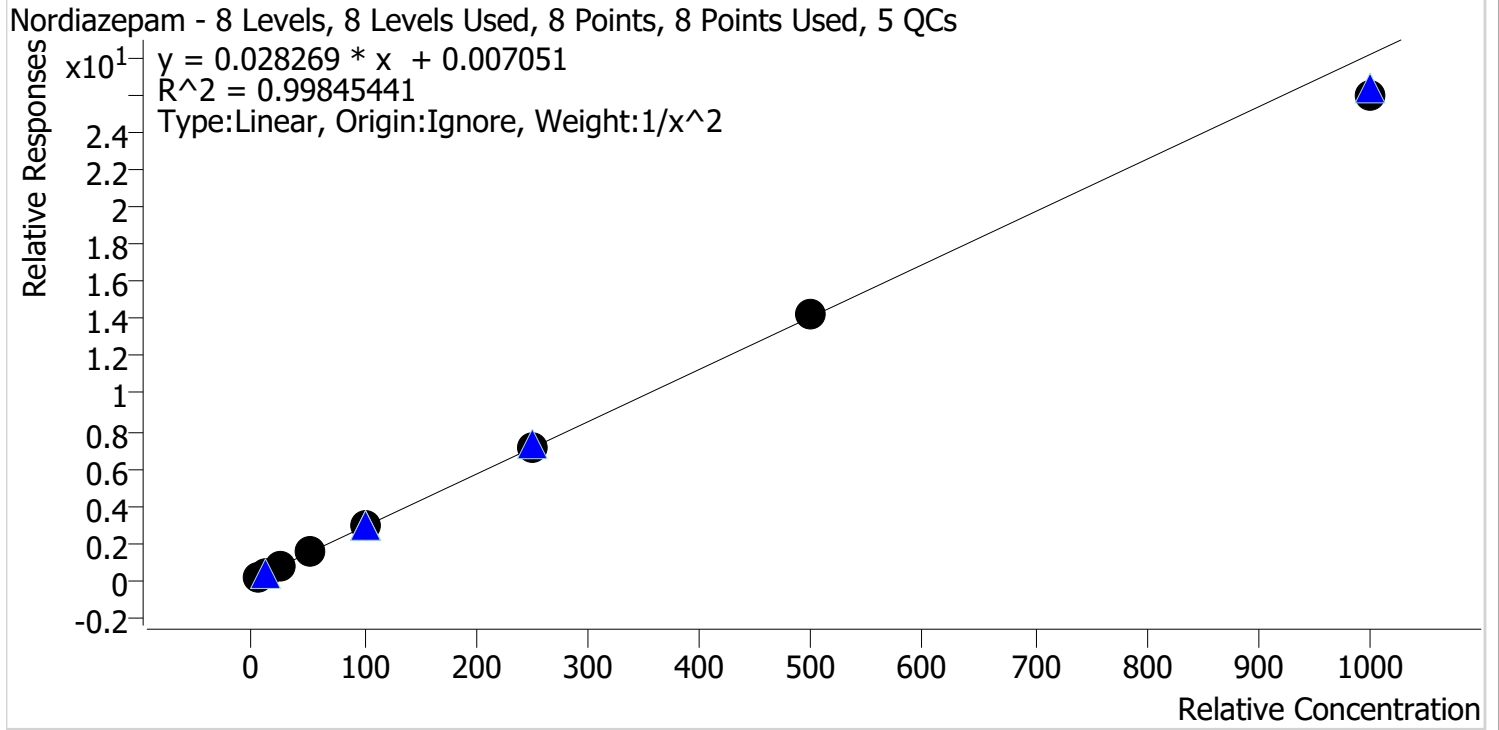
Cal 1 and 2 dropped due to ratio

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Nordiazepam Internal Standard Nordiazepam-D5



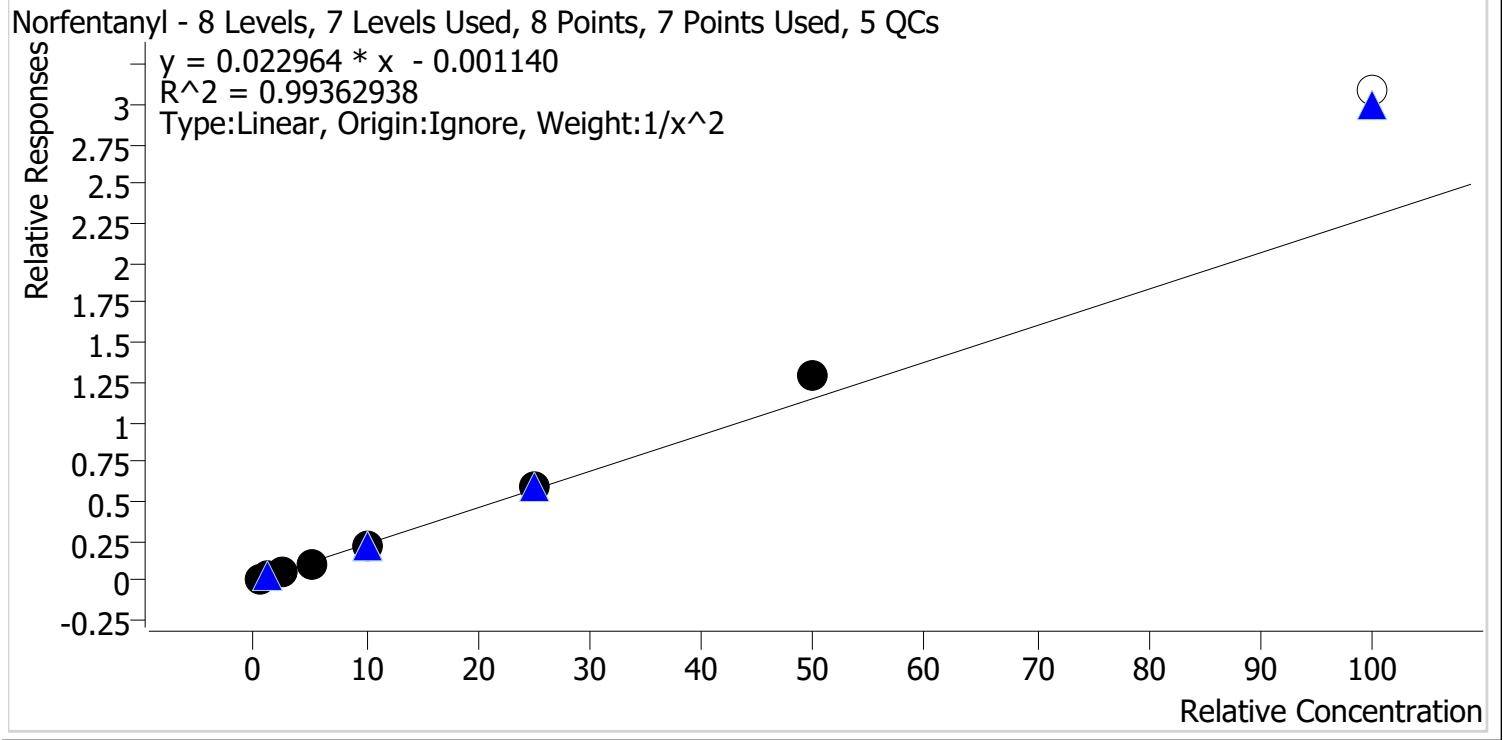
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	507.4	101.5
p1 Cal 8-1000ng	8	✓	1000.0	919.1	91.9

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.7
p1 Cal 2-10ng	2	✓	1.0	1.0	98.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.9
p1 Cal 4-50ng	4	✓	5.0	4.7	93.6
p1 Cal 5-100ng	5	✓	10.0	9.5	95.3
p1 Cal 6-250ng	6	✓	25.0	25.6	102.4
p1 Cal 7-500ng	7	✓	50.0	56.5	113.0
p1 Cal 8-1000ng	8	✗	100.0	134.6	134.6

Cal 8 dropped due to accuracy

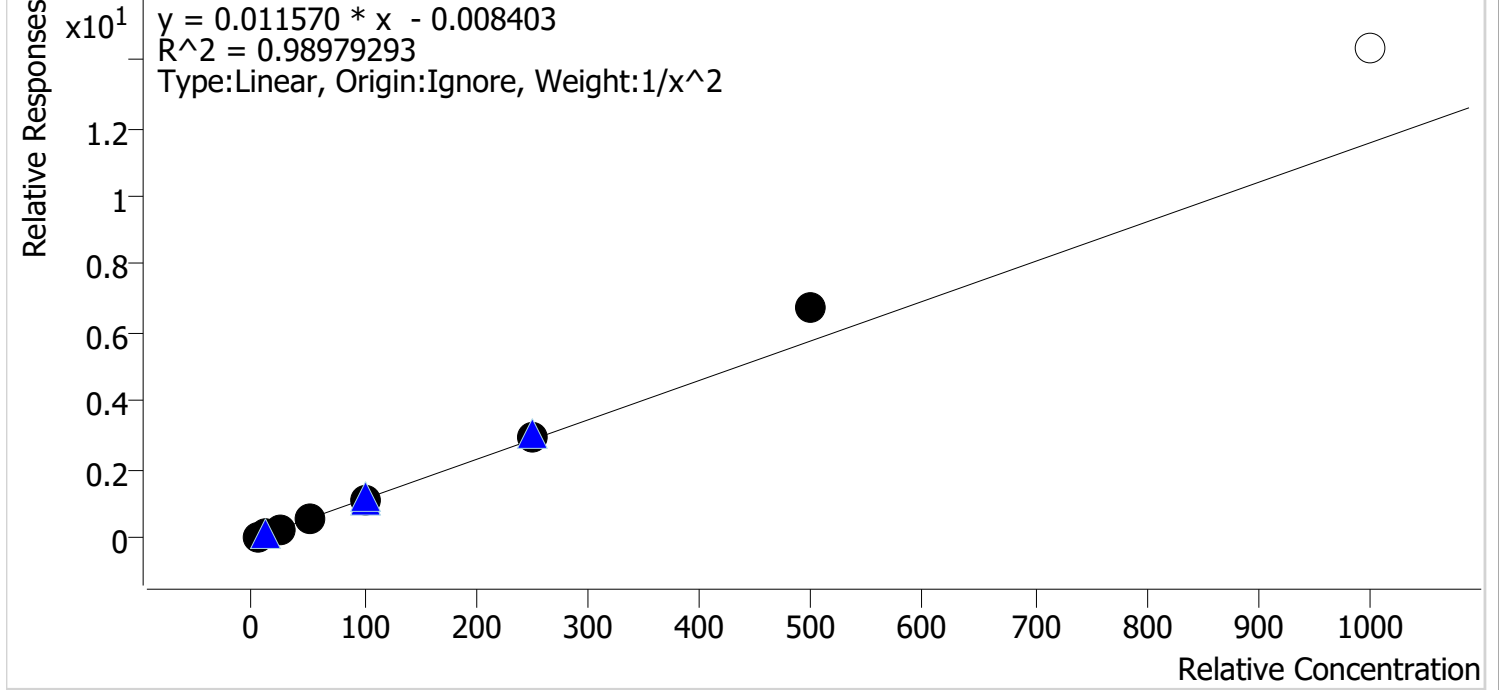
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.3
p1 Cal 4-50ng	4	✓	50.0	46.1	92.2
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	259.2	103.7
p1 Cal 7-500ng	7	✓	500.0	579.5	115.9
p1 Cal 8-1000ng	8	✗	1000.0	1237.8	123.8

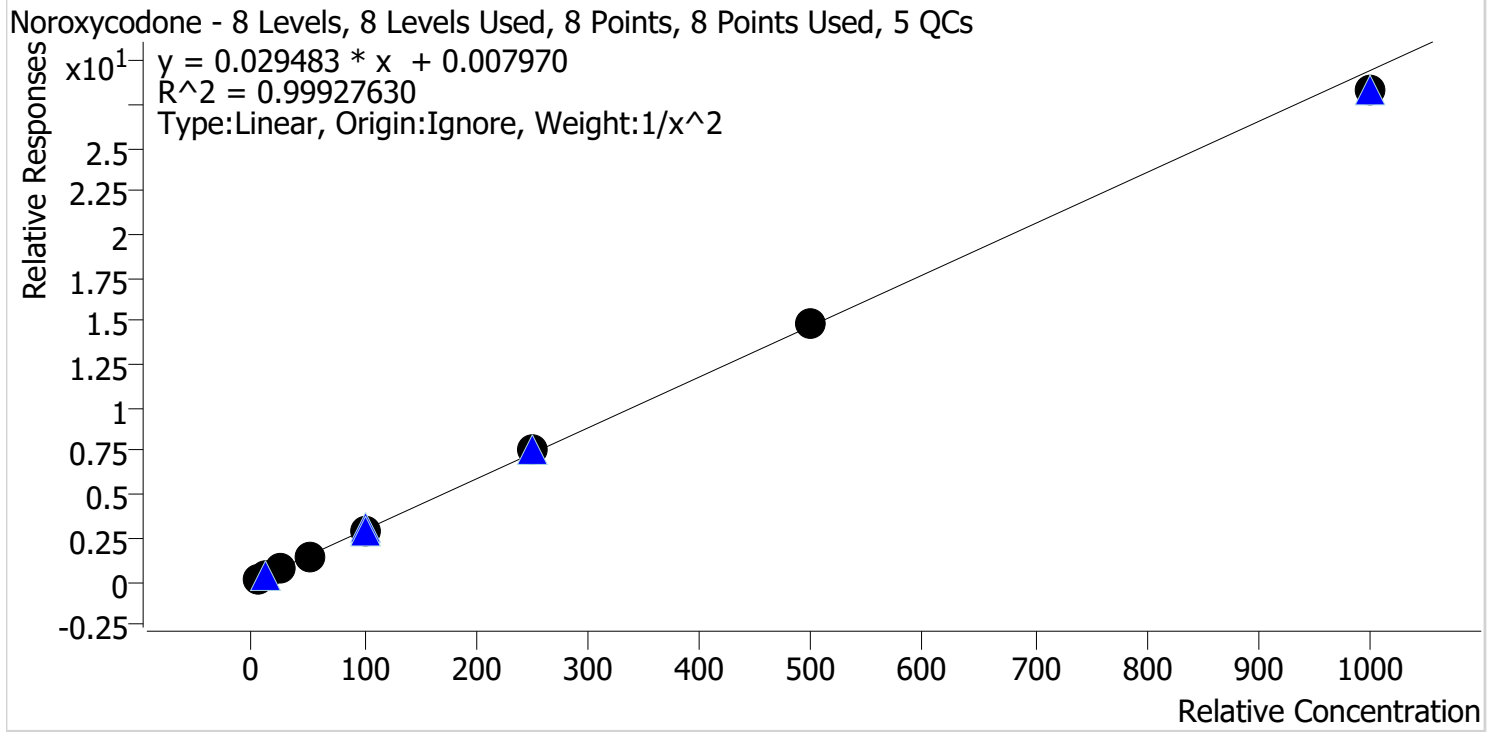
Cal 8 dropped due to accuracy

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



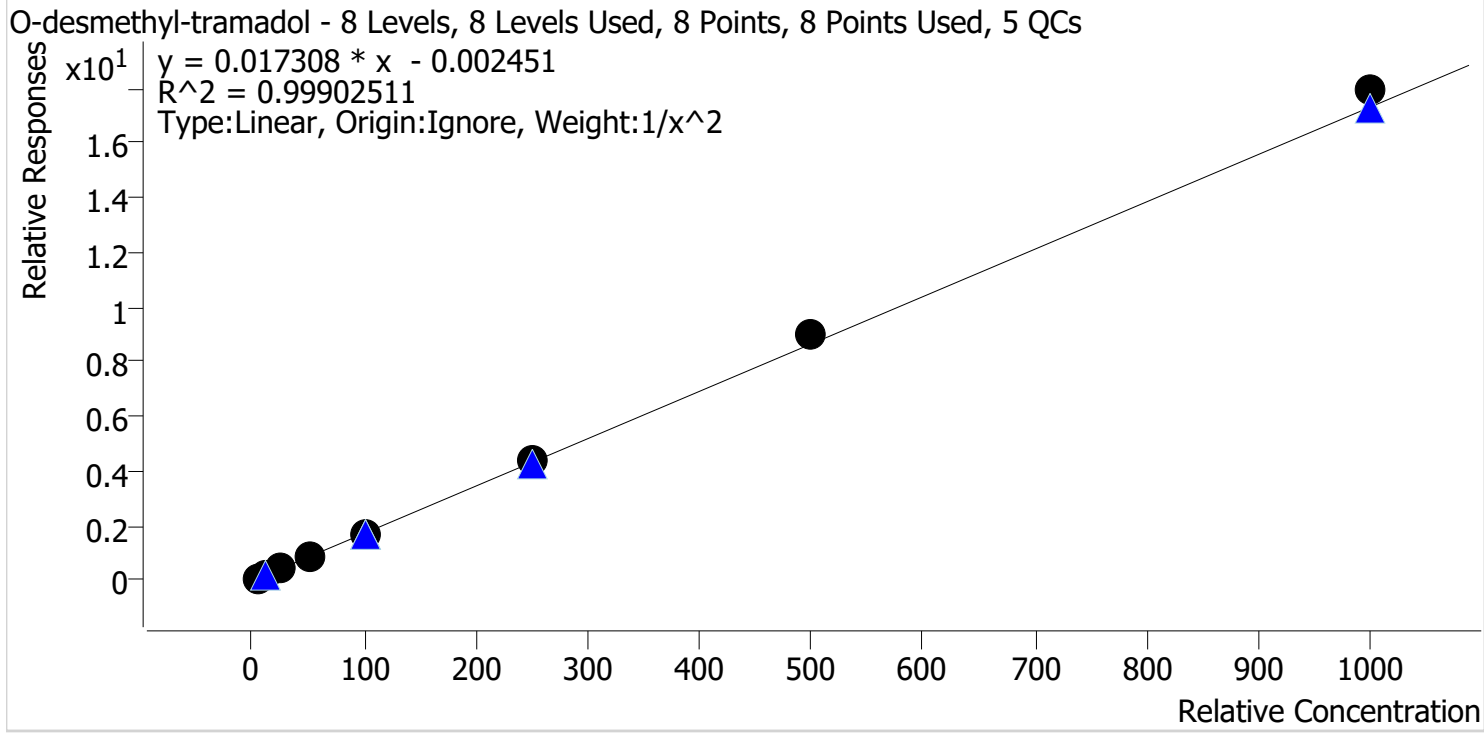
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	254.1	101.7
p1 Cal 7-500ng	7	✓	500.0	502.9	100.6
p1 Cal 8-1000ng	8	✓	1000.0	960.5	96.0

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 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	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	48.8	97.5
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	518.9	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1035.6	103.6

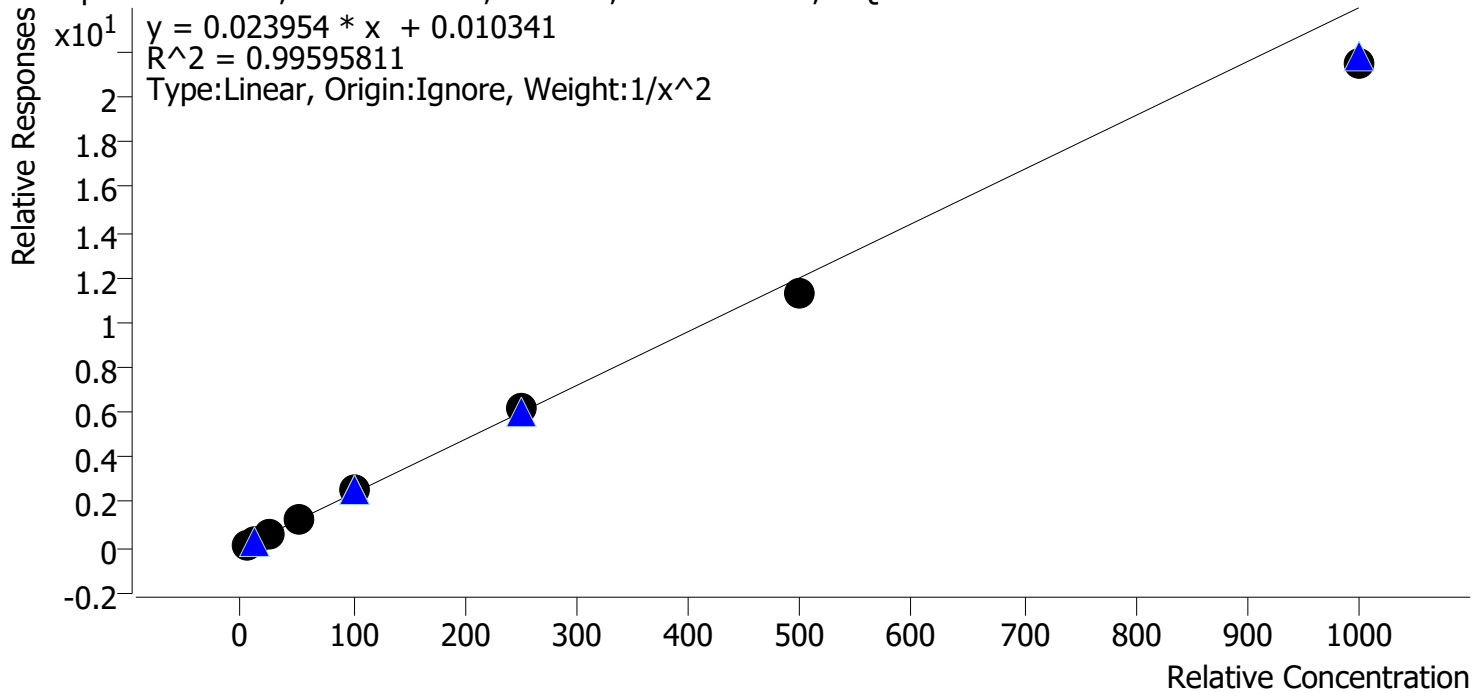
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	259.4	103.7
p1 Cal 7-500ng	7	✓	500.0	473.4	94.7
p1 Cal 8-1000ng	8	✓	1000.0	895.1	89.5

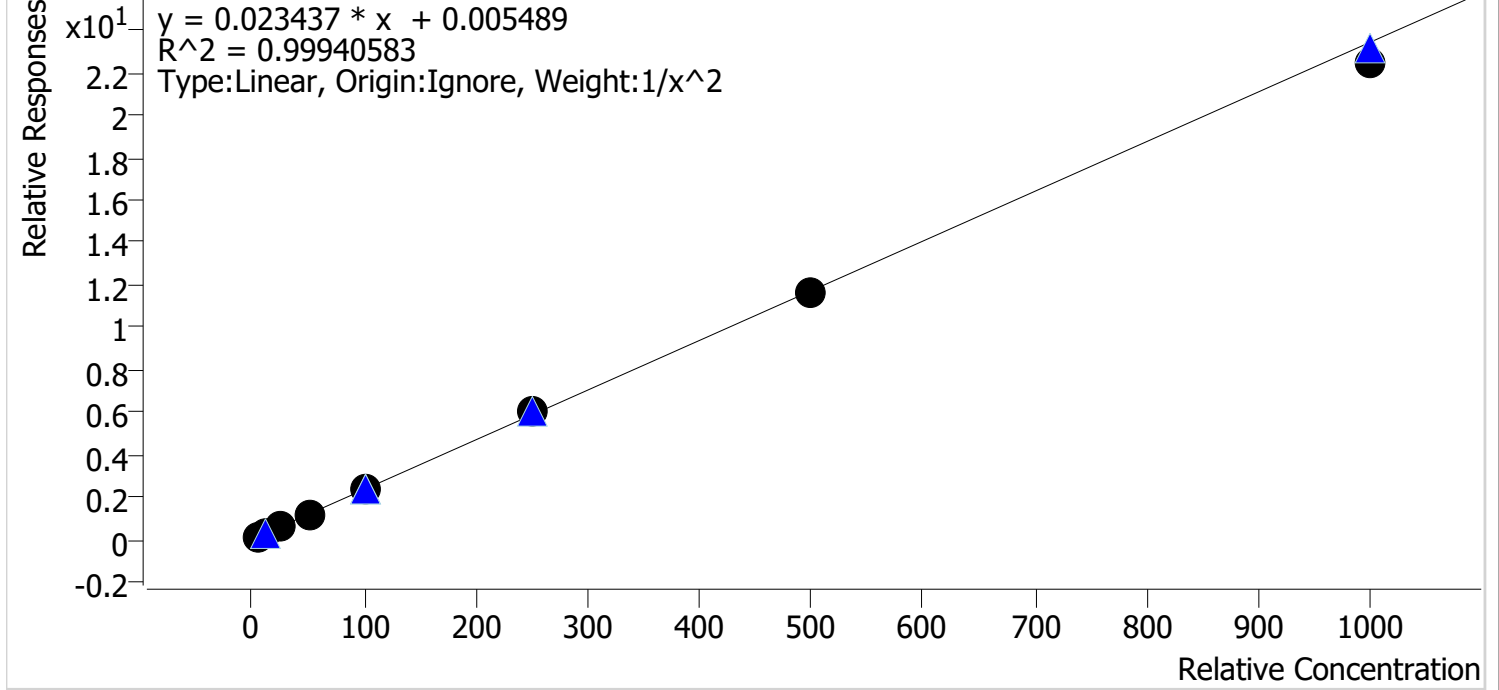
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



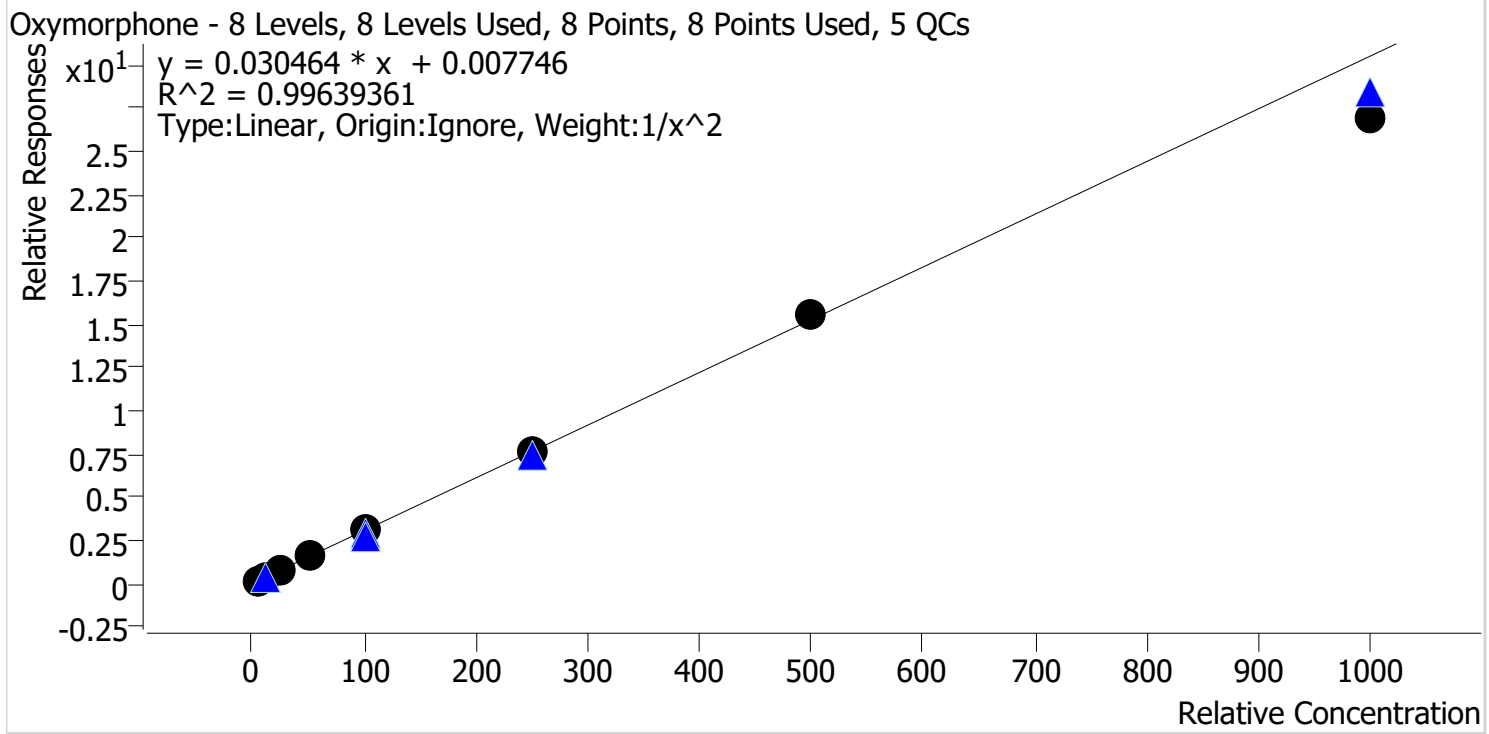
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.2
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	492.5	98.5
p1 Cal 8-1000ng	8	✓	1000.0	958.9	95.9

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



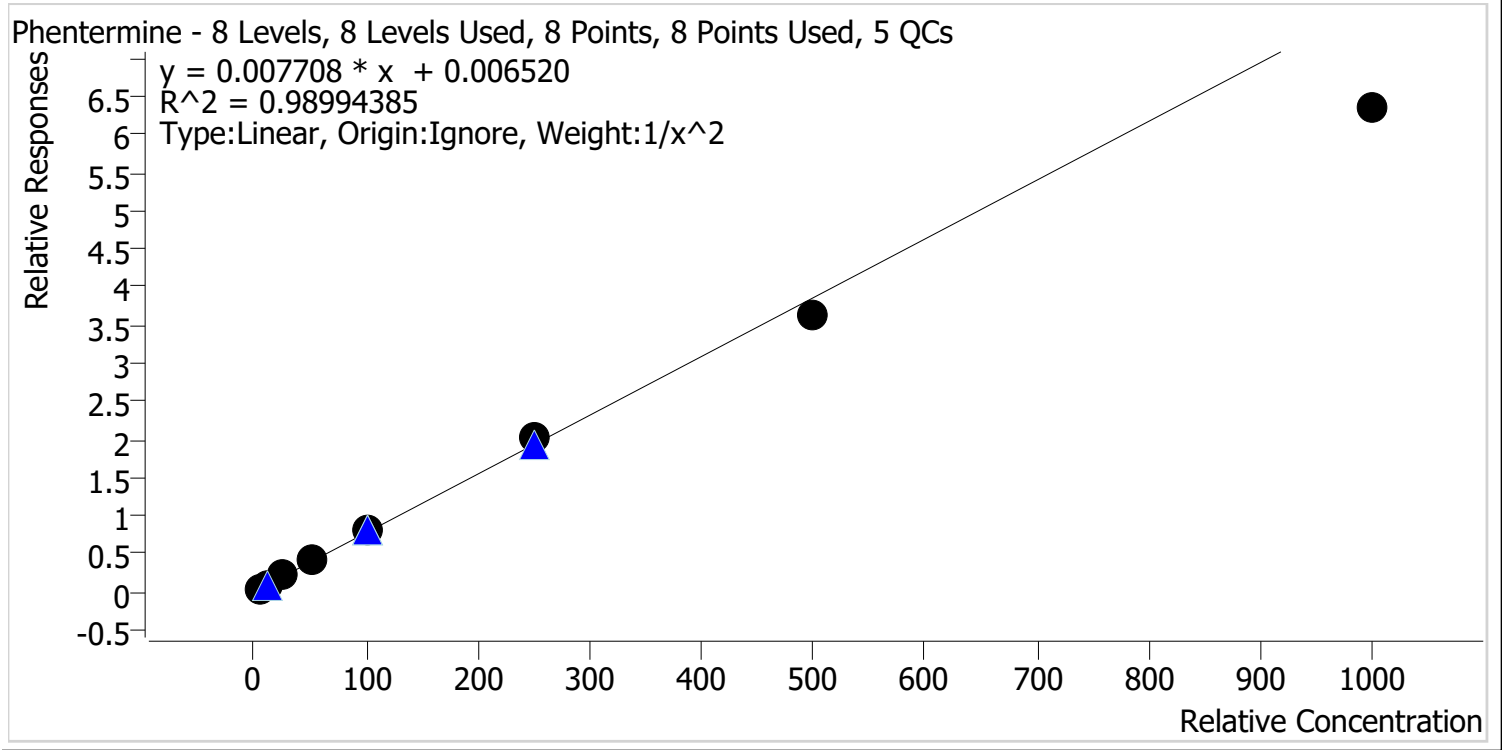
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	507.8	101.6
p1 Cal 8-1000ng	8	✓	1000.0	886.2	88.6

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	53.5	107.1
p1 Cal 5-100ng	5	✓	100.0	107.7	107.7
p1 Cal 6-250ng	6	✓	250.0	261.4	104.6
p1 Cal 7-500ng	7	✓	500.0	469.8	94.0
p1 Cal 8-1000ng	8	✓	1000.0	820.8	82.1

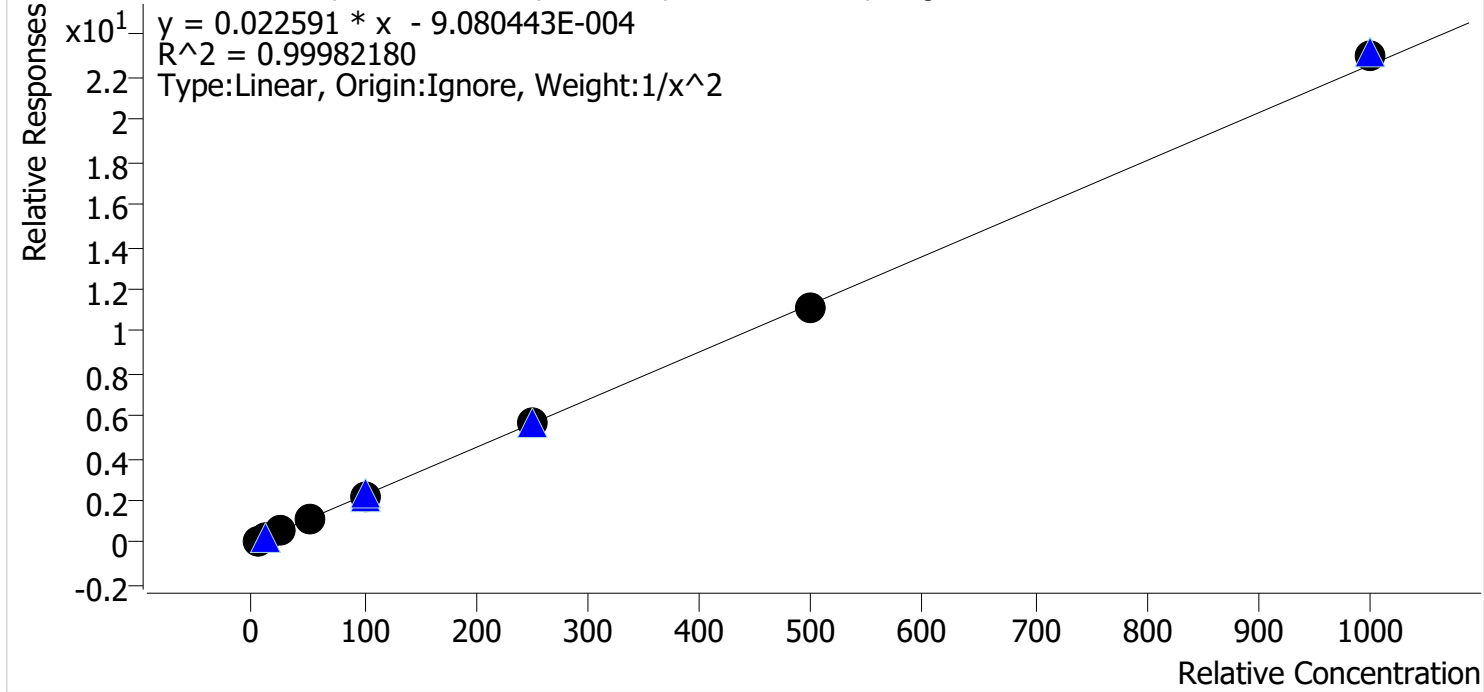
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	49.8	99.5
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	492.9	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1019.9	102.0

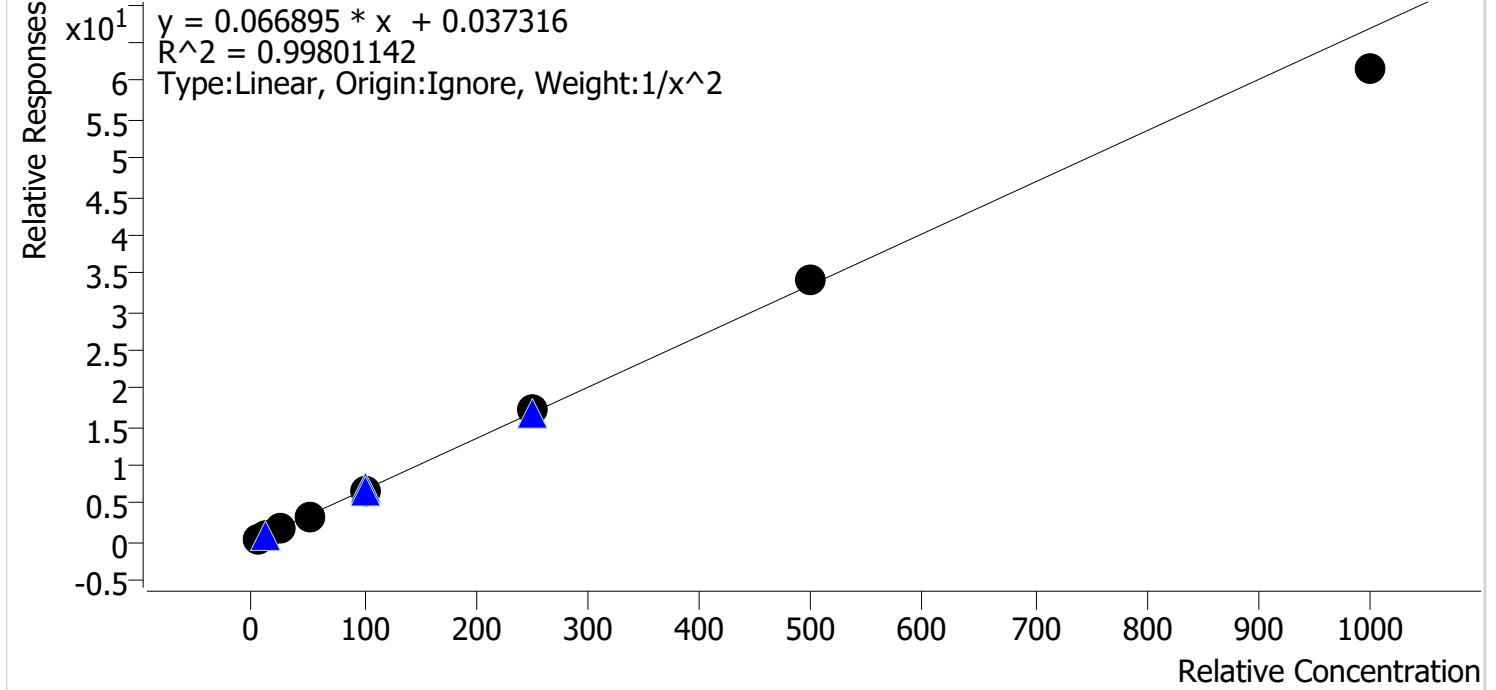
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



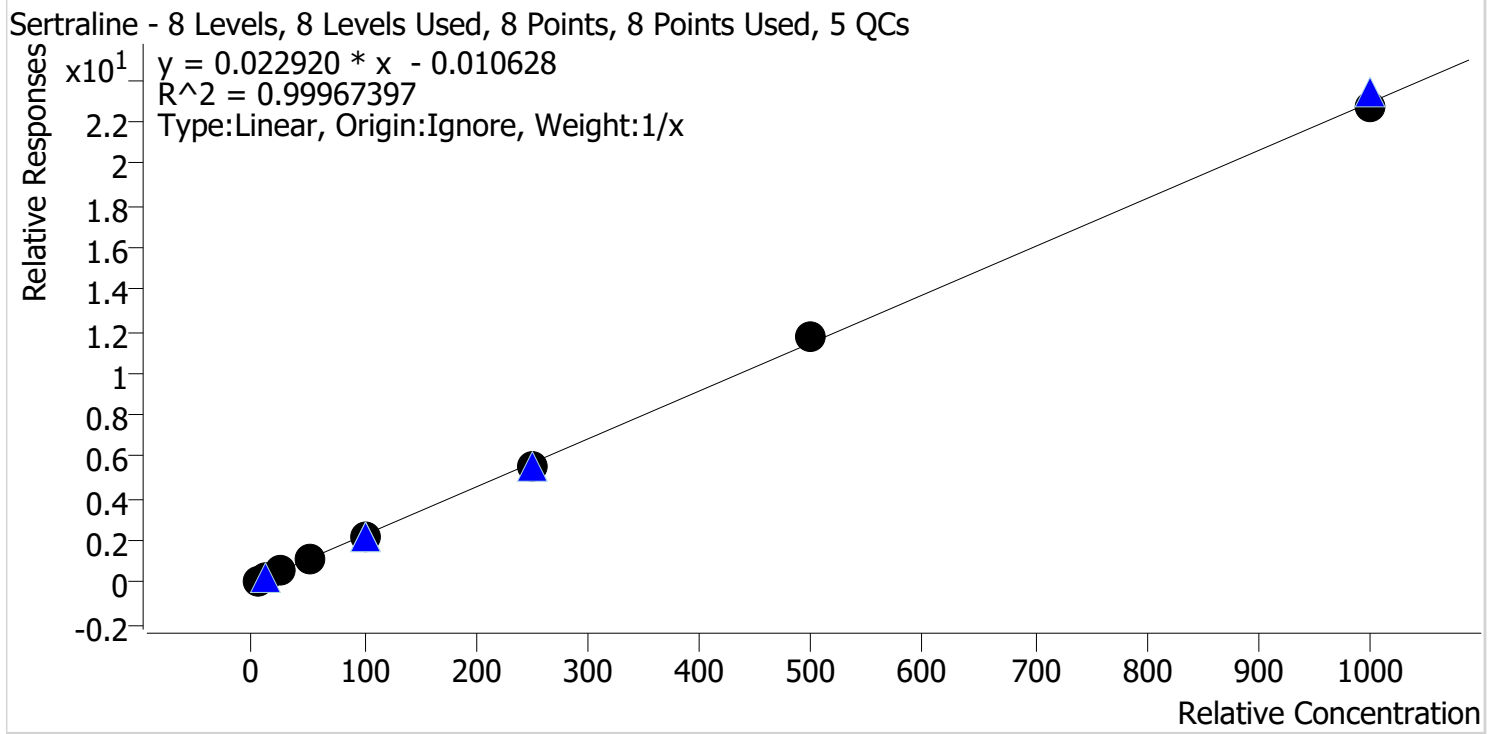
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	508.4	101.7
p1 Cal 8-1000ng	8	✓	1000.0	925.2	92.5

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



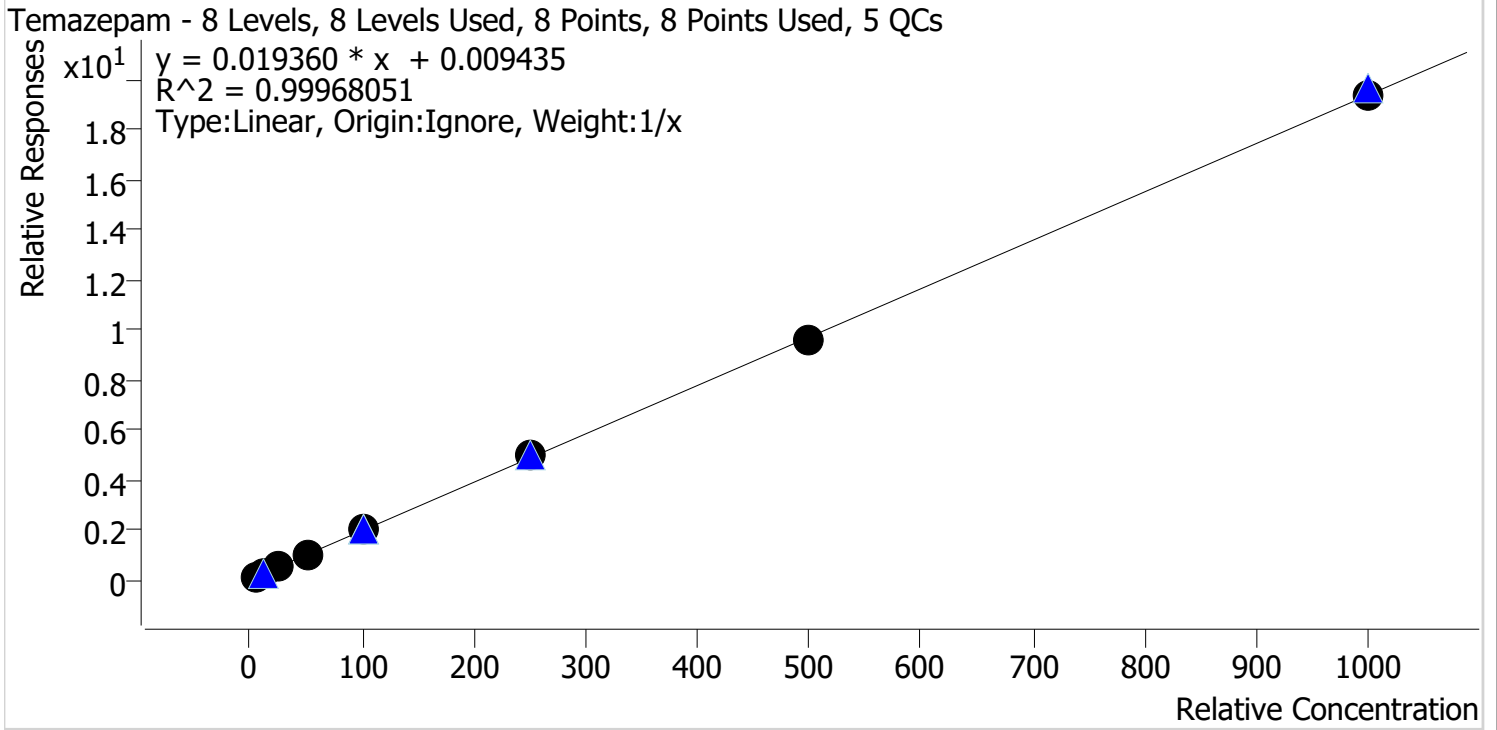
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	514.1	102.8
p1 Cal 8-1000ng	8	✓	1000.0	991.1	99.1

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



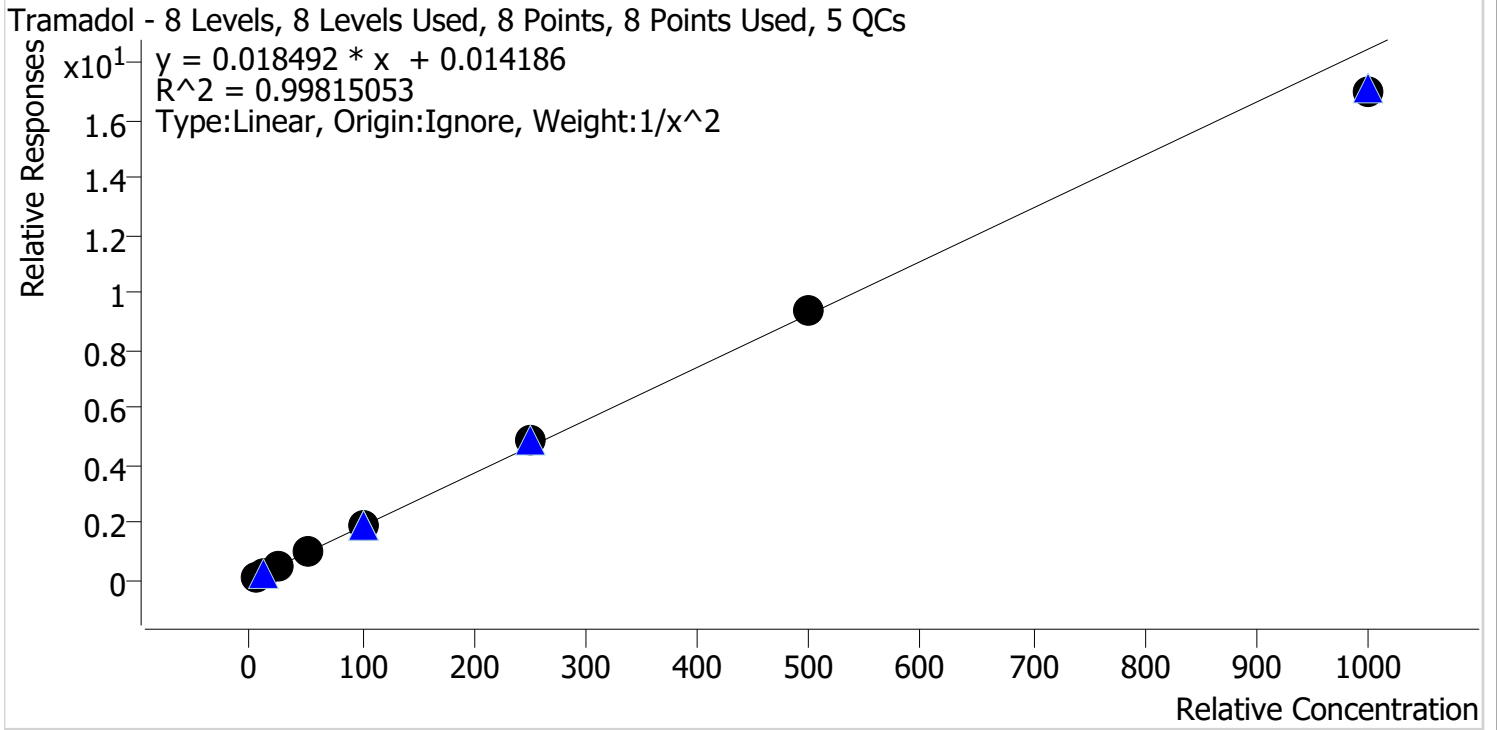
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	258.6	103.4
p1 Cal 7-500ng	7	✓	500.0	490.0	98.0
p1 Cal 8-1000ng	8	✓	1000.0	998.8	99.9

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



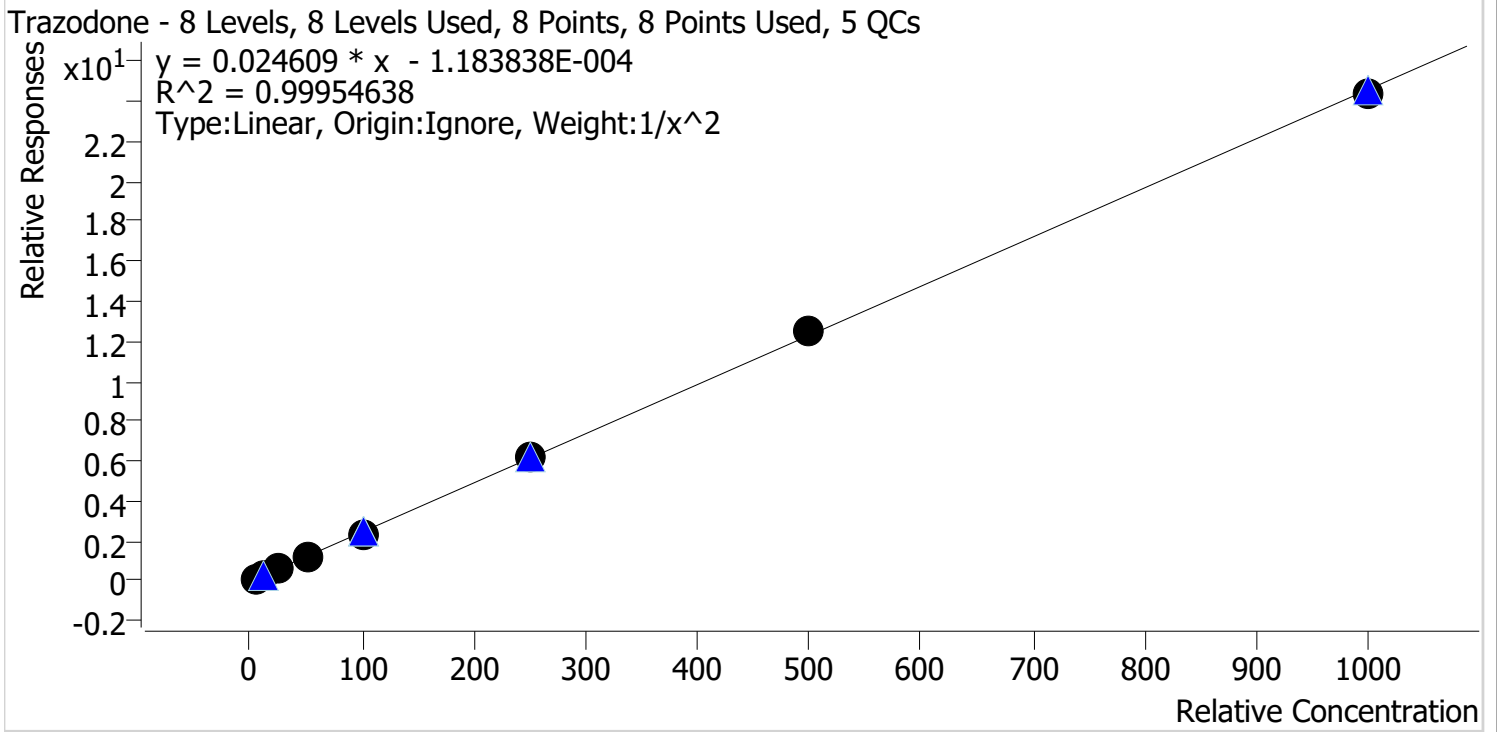
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	260.5	104.2
p1 Cal 7-500ng	7	✓	500.0	504.1	100.8
p1 Cal 8-1000ng	8	✓	1000.0	920.7	92.1

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



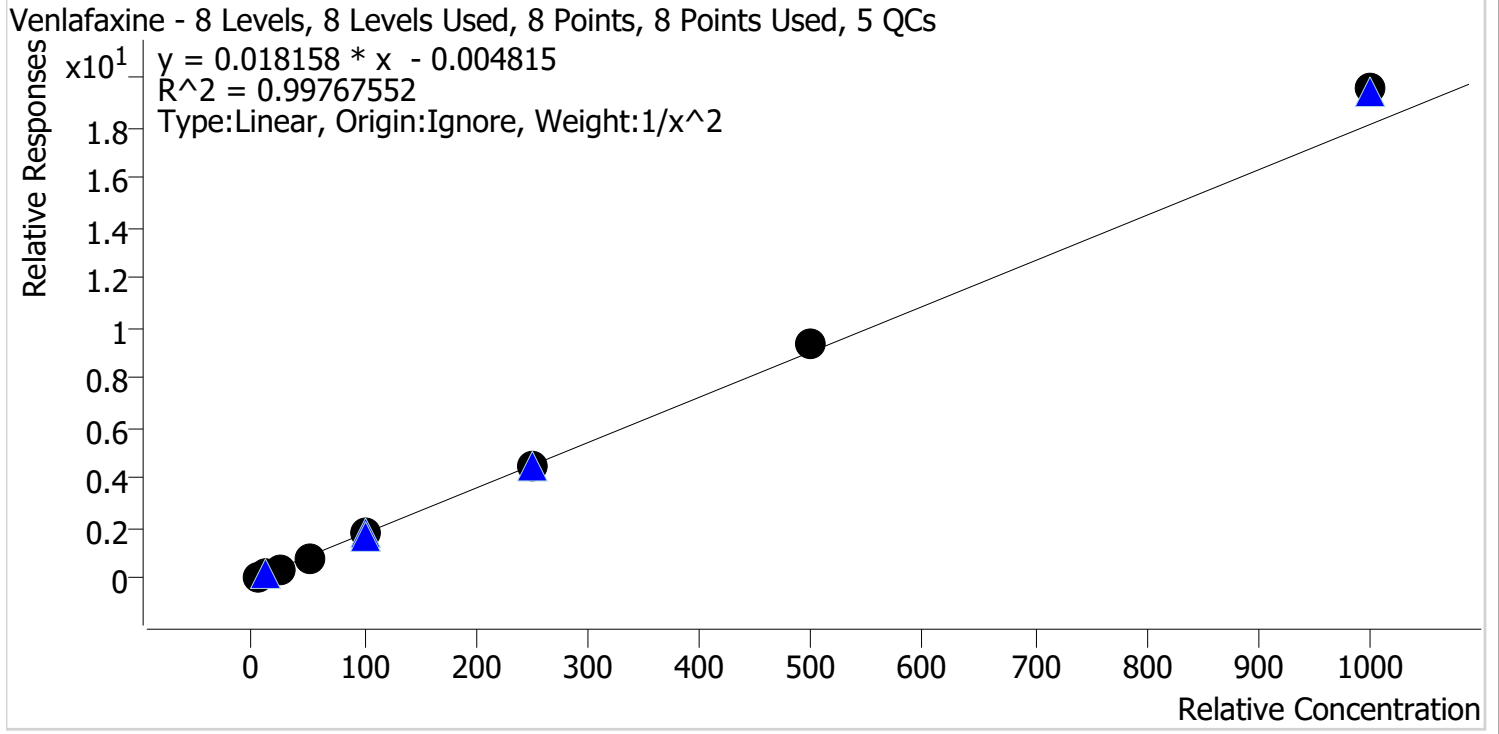
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	511.7	102.3
p1 Cal 8-1000ng	8	✓	1000.0	993.0	99.3

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 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	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	47.3	94.6
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	513.7	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1078.8	107.9

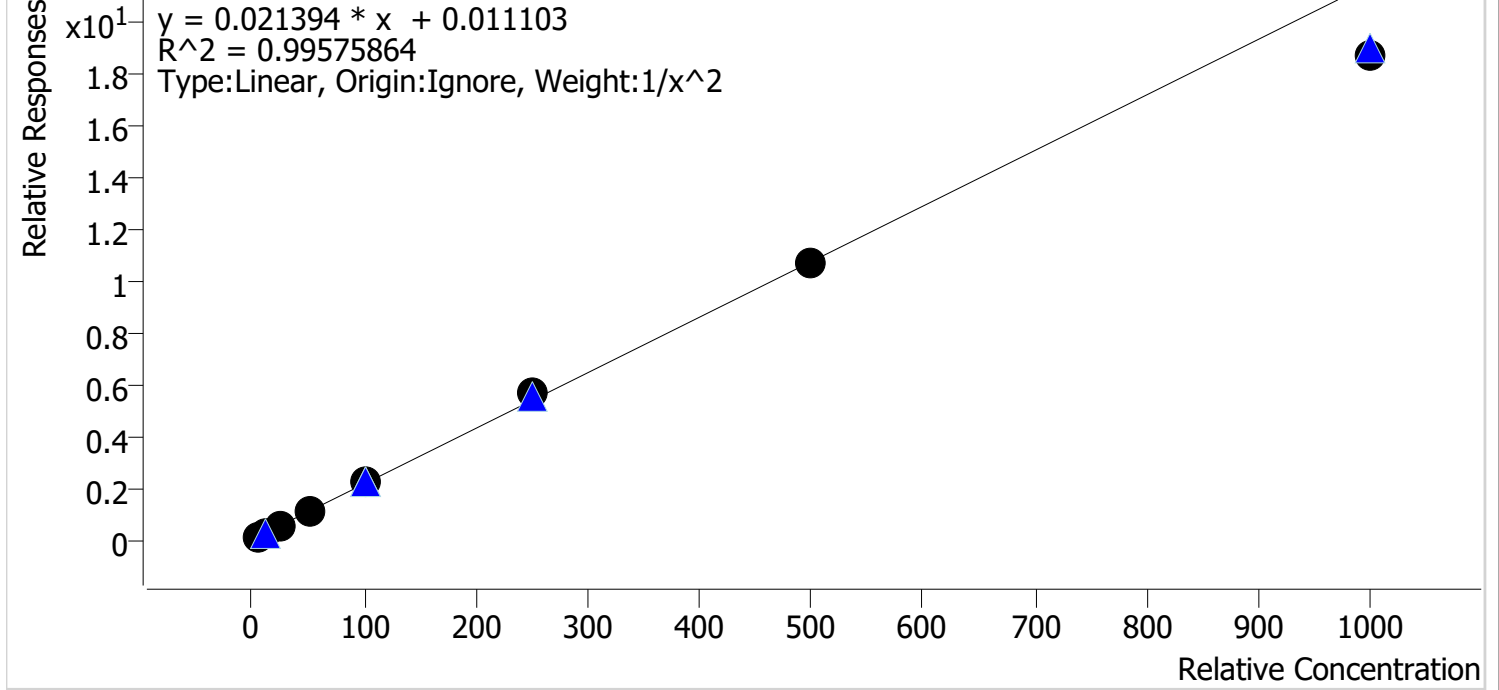
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 2/9/2022 10:15 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	262.3	104.9
p1 Cal 7-500ng	7	✓	500.0	499.1	99.8
p1 Cal 8-1000ng	8	✓	1000.0	870.8	87.1

SC

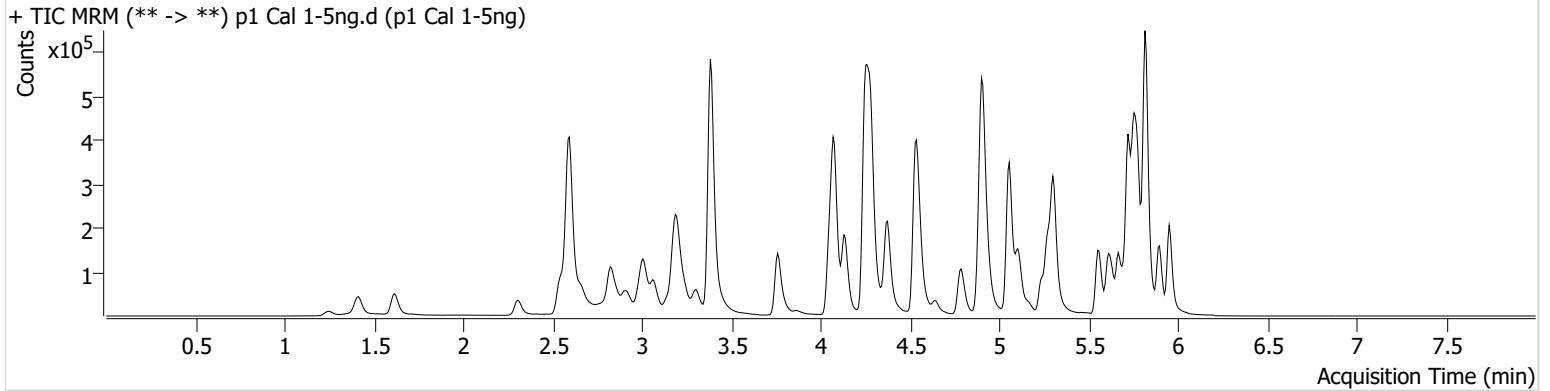


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument	Falco (069901)	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P6-H5	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2022 8:25:06 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	1221	83.21	83.4	142.90	67347	0.4963 ng/ml
7-aminoclonazepam	4.271	31725	1599.63	80.2	134.27	231764	4.8648 ng/ml
a-hydroxyalprazolam	5.705	17308	50.00	68.6	208.16	394206	4.7544 ng/ml
alpha-PHP	4.950	10662	235.20	275.6	1374.81	463197	4.9935 ng/ml
alpha-PVP	4.383	52717	4946.31	50.9	1336.54	463197	5.0688 ng/ml
Alprazolam	5.782	51794	1548.45	115.3	398.94	394206	5.0368 ng/ml
Amphetamine	3.069	63526	42.41	53.1	403.97	195057	4.9092 ng/ml
Benzoylecgonine	3.892	2078	112.88	8.8	44.21	14308	5.1601 ng/ml
Buprenorphine	5.846	525	916.61	17.1	202.10	34069	0.5208 ng/ml
Bupropion	4.801	34431	1673.04	63.6	123.59	253117	4.9964 ng/ml
Carisoprodol	5.730	62716	143683.29	54.4	420.02	579504	5.7848 ng/ml
Citalopram	5.239	17880	139.87	38.4	407.14	164898	5.0216 ng/ml
Clonazepam	5.618	61803	193.88	34.0	122806.37	157242	4.8791 ng/ml
Clonazepam	5.555	41200	19601.45	35.1	30707.60	157242	4.7849 ng/ml
Cocaine	4.277	43816	16888.34	55.7	3452.01	773911	5.0185 ng/ml
Codeine	2.600	7497	639.98	106.4	17.21	72874	4.7812 ng/ml
Cyclobenzaprine	5.635	11139	42168.89	8.8	21.07	96015	5.0958 ng/ml
Dextromethorphan	5.289	10312	174.41	75.1	139.99	99628	4.9706 ng/ml
Dextrophan	4.139	14666	445.21	207.6	5626.59	341565	5.0129 ng/ml
Diazepam	5.960	35416	274.07	91.3	738.30	341370	4.9598 ng/ml
Dihydrocodeine	2.572	18055	3663.31	57.7	578.66	222772	3.7964 ng/ml
Diphenhydramine	5.310	52354	216.50	31.6	1039.11	588260	5.0150 ng/ml
Doxylamine	4.556	111047	1204.42	101.1	3238.10	1008334	5.0213 ng/ml
EDDP	5.275	25070	642.79	40.2	3710.70	285114	5.0396 ng/ml
Etizolam	5.820	22061	16549.33	25.7	12306.02	157242	5.1611 ng/ml
Fentanyl	5.109	1218	49.91	65.2	2000.17	137945	0.5033 ng/ml
Flualprazolam	5.712	22985	920.70	98.7	2476.23	394206	4.9007 ng/ml
Fluoxetine	5.721	12758	1104.67	7.5	1240.19	89719	5.1521 ng/ml
Hydrocodone	3.039	24671	102.64	33.9	155.32	274977	4.8975 ng/ml
Hydromorphone	1.621	21078	415.96	71.5	369.58	136711	5.1827 ng/ml
Ketamine	4.065	48737	267.78	36.7	118.06	445701	4.9431 ng/ml
Lamotrigine	4.301	5145	439.09	89.2	1822.14	445701	4.7363 ng/ml
Levetiracetam	2.663	30215	467.32	139.1	420.82	1114457	4.8788 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	54801	1335.01	48.6	153.14	157242	4.0941 ng/ml
MDA	3.216	51252	349.24	28.7	82.19	338444	4.8983 ng/ml
MDMA	3.310	31439	1181.82	95.1	628.85	77917	5.0099 ng/ml
Meprobamate	4.917	36084	12255.74	25.5	2475.17	360727	4.7041 ng/ml
Methadone	5.666	26957	215.63	47.4	1254.75	219778	5.5662 ng/ml
Methamphetamine	3.244	48289	203.17	39.5	139.64	407060	4.8841 ng/ml
Metoprolol	4.346	10718	20287.42	101.8	364.91	1100611	4.8760 ng/ml
Mirtazapine	4.644	41984	1499.24	46.1	460.21	463197	6.0996 ng/ml
Mitragynine	5.244	4485	8299.14	40.3	5036.68	219778	4.7901 ng/ml
Morphine	1.261	3104	199.51	20.4	162.60	11297	4.9501 ng/ml
Nordiazepam	5.900	36006	448.07	60.0	344.37	245248	4.9440 ng/ml
Norfentanyl	4.099	8678	800.53	39.3	91.90	814931	0.5134 ng/ml
Norhydrocodone	3.086	3365	59.30	38.9	31.31	65210	5.1860 ng/ml
Noroxycodone	2.930	22242	344.67	48.9	14.39	145679	4.9083 ng/ml
O-desmethyl-tramadol	3.389	122611	5420.20	5.6	481.90	1439926	5.0614 ng/ml
Oxazepam	5.763	68388	149.33	76.1	93.10	534301	4.9117 ng/ml
Oxycodone	2.854	45395	369.81	28.6	438.78	373074	4.9575 ng/ml
Oxymorphone	1.418	20610	71.01	46.1	696.54	131992	4.8714 ng/ml
Phentermine	3.797	17581	244.11	4.6	21.74	401464	4.8356 ng/ml
Promethazine	5.560	20602	182.94	29.6	91.00	185096	4.9671 ng/ml
Pseudoephedrine	2.603	109255	273.21	16.9	1721.56	1114457	5.1135 ng/ml
Quetiapine	5.569	29001	84.20	59.2	49.92	79826	4.8731 ng/ml
Sertraline	5.796	5405	165.37	88.0	82.83	50345	5.1479 ng/ml
Temazepam	5.823	114441	1491.38	27.2	30.55	1123607	4.7736 ng/ml
Tramadol	4.266	115988	1307.99	3.5	62.04	1100611	4.9319 ng/ml
Trazodone	5.163	23397	1504.79	78.7	9449.64	191020	4.9820 ng/ml
Venlafaxine	5.057	68873	1680.41	35.8	441.32	786661	5.0868 ng/ml
Zolpidem	4.928	126474	33633.57	30.2	390.91	1088708	4.9109 ng/ml

SC

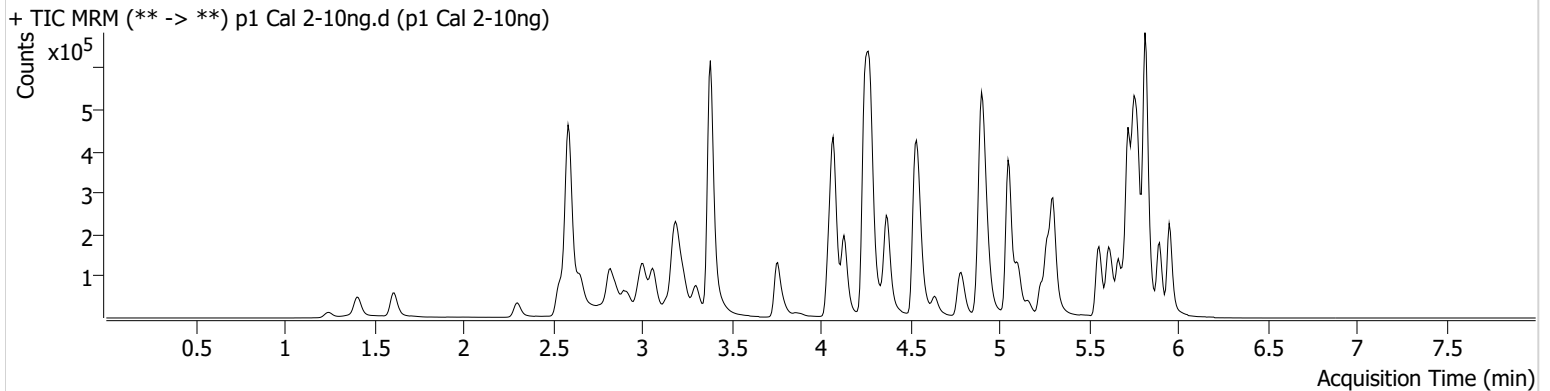


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument Falco (069901) **Data File** p1 Cal 2-10ng.d
Type Cal **Sample** p1 Cal 2-10ng
Acq. Method AM 28 MDQ P1.m **Operator** Sarah Collins
Sample Position P6-G5 **Comment**
Injection Volume 2
Acq. Date-Time 2/8/2022 8:35:52 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	2516	269.49	72.1	303.04	66831	1.0310 ng/ml
7-aminoclonazepam	4.271	60839	114.90	83.0	2767.49	230719	10.1067 ng/ml
a-hydroxyalprazolam	5.699	32106	470.27	67.0	215.53	371393	10.4925 ng/ml
alpha-PHP	4.944	20689	1062.82	256.7	4918.87	463059	9.6813 ng/ml
alpha-PVP	4.376	103850	13817.36	51.1	479.67	463059	9.9286 ng/ml
Alprazolam	5.782	100433	639.86	110.4	445.02	371393	9.9521 ng/ml
Amphetamine	3.063	130097	3838.57	51.9	522.47	202547	10.0607 ng/ml
Benzoylcegonine	3.892	4380	335.88	7.9	154.69	14512	10.3186 ng/ml
Buprenorphine	5.846	781	58.83	12.9	187.78	28316	0.9618 ng/ml
Bupropion	4.801	62477	302.41	62.8	193.11	230281	10.0291 ng/ml
Carisoprodol	5.730	118410	462.85	55.1	1066.84	549704	10.2807 ng/ml
Citalopram	5.232	30950	659.34	37.8	330.06	140951	10.0615 ng/ml
Clonazepam	5.618	114366	1026.17	36.0	2127.56	150156	10.1259 ng/ml
Clonazepam	5.555	79121	4848.40	34.7	7888.17	150156	10.4552 ng/ml
Cocaine	4.277	87438	139746.63	55.1	3598.49	782168	9.9506 ng/ml
Codeine	2.593	14319	116.60	102.7	55.94	70165	10.3314 ng/ml
Cyclobenzaprine	5.635	18833	8264.12	8.0	31.32	82182	9.7937 ng/ml
Dextromethorphan	5.282	16599	18170.01	78.7	152.56	79478	10.0563 ng/ml
Dextrophan	4.132	28240	629.80	208.9	681.14	327258	10.0664 ng/ml
Diazepam	5.960	67003	844.47	92.1	1784.04	326502	10.0585 ng/ml
Dihydrocodeine	2.572	36045	5376.14	57.2	1397.02	213006	10.0261 ng/ml
Diphenhydramine	5.303	85947	3131.31	32.2	90.69	475900	10.0702 ng/ml
Doxylamine	4.549	216802	5179.76	100.4	6850.76	980629	9.9624 ng/ml
EDDP	5.268	46004	3570.57	42.1	2417.82	262573	9.9901 ng/ml
Etizolam	5.820	41187	8942.78	27.0	15446.56	150156	9.7212 ng/ml
Fentanyl	5.109	1945	63.40	76.6	951.74	113539	1.0187 ng/ml
Flualprazolam	5.712	42455	1984.21	101.7	3565.36	371393	10.0264 ng/ml
Fluoxetine	5.721	22066	2610.53	8.5	3360.82	82954	9.6339 ng/ml
Hydrocodone	3.032	47771	406.19	32.5	51.04	272519	10.1092 ng/ml
Hydromorphone	1.621	37153	1676.94	83.8	157.80	135199	9.1705 ng/ml
Ketamine	4.065	94175	3248.42	37.6	110.48	440091	10.0836 ng/ml
Lamotrigine	4.294	10116	199.01	81.5	567.53	440091	10.6023 ng/ml
Levetiracetam	2.656	61385	822.00	139.6	1132.38	1130722	10.5936 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	98741	1713.92	49.8	148.58	150156	10.2069 ng/ml
MDA	3.216	95539	918.44	29.8	76.71	324600	10.0218 ng/ml
MDMA	3.310	59365	1222.33	93.3	794.64	72862	10.0116 ng/ml
Meprobamate	4.911	70229	31369.79	23.9	474.88	338653	10.8660 ng/ml
Methadone	5.666	42049	394.63	53.0	902.10	186816	9.9818 ng/ml
Methamphetamine	3.238	91324	449.45	38.6	359.71	390169	10.2254 ng/ml
Metoprolol	4.340	21374	59159.52	95.4	864.71	1092724	10.0732 ng/ml
Mirtazapine	4.637	67477	3648.11	47.1	787.98	463059	8.8260 ng/ml
Mitragynine	5.244	7644	1273.81	33.6	6040.44	186816	10.4301 ng/ml
Morphine	1.253	6328	166.72	17.9	86.55	11219	10.1612 ng/ml
Norbuprenorphine	5.013	158	300.58	57.9 Low	169.16	4357	1.5586 ng/ml
Nordiazepam	5.900	69062	1319.38	60.0	1766.14	235979	10.1033 ng/ml
Norfentanyl	4.099	17798	2050.89	33.6	100.47	832274	0.9809 ng/ml
Norhydrocodone	3.086	6652	47.19	38.1	67.31	63654	9.7585 ng/ml
Noroxycodone	2.930	45757	198.37	48.3	21540.03	146885	10.2956 ng/ml
O-desmethyl-tramadol	3.389	236886	557.38	5.7	1905.25	1396556	9.9419 ng/ml
Oxazepam	5.756	125733	1899.20	74.9	684.04	499815	10.0701 ng/ml
Oxycodone	2.848	90657	941.37	30.1	409.01	374187	10.1032 ng/ml
Oxymorphone	1.411	38361	238.42	46.6	176.00	118551	10.3675 ng/ml
Phentermine	3.797	32087	∞	5.3	62.42	376085	10.2227 ng/ml
Promethazine	5.552	34685	532.48	28.6	98.39	152072	10.1363 ng/ml
Pseudoephedrine	2.603	218298	4398.46	17.9	335.58	1130722	9.7419 ng/ml
Quetiapine	5.569	51989	13812.68	57.5	232.29	71316	10.3398 ng/ml
Sertraline	5.796	9693	42.11	96.0	301.22	43493	10.1876 ng/ml
Temazepam	5.823	214681	4066.02	28.0	98.40	1066680	9.9085 ng/ml
Tramadol	4.259	220018	1043.33	3.3	130.61	1092724	10.1214 ng/ml
Trazodone	5.163	38833	33850.31	76.8	80.78	156440	10.0918 ng/ml
Venlafaxine	5.050	135912	∞	34.4	1345.76	774319	9.9317 ng/ml
Zolpidem	4.921	238392	9865.78	31.0	3289.58	1037969	10.2161 ng/ml

SC

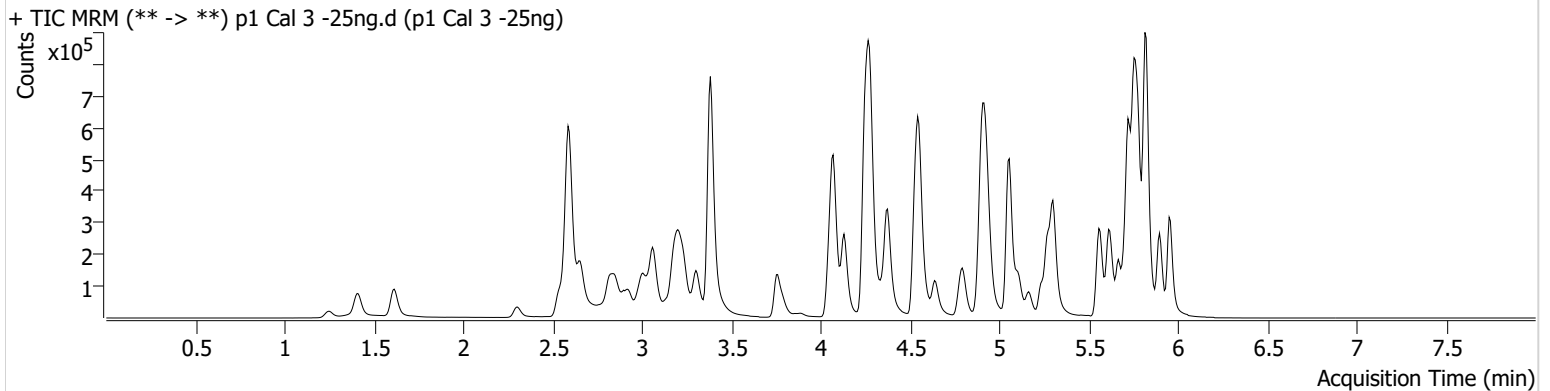


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument	Falco (069901)	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P6-F5	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2022 8:46:28 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	6105	262.32	70.4	282.01	68987	2.4242 ng/ml
7-aminoclonazepam	4.271	144162	8014.26	79.3	27921.63	216511	26.7303 ng/ml
a-hydroxyalprazolam	5.699	78236	447.87	69.2	924.70	365544	27.7004 ng/ml
alpha-PHP	4.944	54250	2267.58	261.0	2026.88	476379	24.6576 ng/ml
alpha-PVP	4.383	261743	394.88	52.7	601.90	476379	24.2355 ng/ml
Alprazolam	5.782	251861	351.20	112.6	1137.27	365544	24.7503 ng/ml
Amphetamine	3.063	309873	3808.49	52.5	422.43	190004	26.1447 ng/ml
Benzoylecgonine	3.892	9790	896.89	8.6	188.81	13200	24.8078 ng/ml
Buprenorphine	5.853	1800	117.31	18.8	285.19	28614	2.2424 ng/ml
Bupropion	4.801	155976	1134.76	63.5	1282.18	232728	24.8686 ng/ml
Carisoprodol	5.730	292330	294657.82	54.1	439.25	528801	24.4337 ng/ml
Citalopram	5.239	71654	789.05	38.1	33027.92	134737	24.2188 ng/ml
Clonazepam	5.618	282694	9295.33	35.7	9500.68	149041	26.2832 ng/ml
Clonazolam	5.555	192829	284383.71	35.7	54771.27	149041	26.8699 ng/ml
Cocaine	4.277	220029	28722.26	55.0	11709.06	786992	24.9504 ng/ml
Codeine	2.593	36092	1178.91	105.2	101307.29	71208	26.9359 ng/ml
Cyclobenzaprine	5.635	40236	66703.45	8.5	3721.45	70338	24.0305 ng/ml
Dextromethorphan	5.282	39912	146.14	80.6	7582.70	75269	25.5728 ng/ml
Dextrophan	4.132	71560	∞	214.9	1287.05	339652	24.5650 ng/ml
Diazepam	5.960	169653	472.22	91.8	∞	332200	25.4085 ng/ml
Dihydrocodeine	2.572	90471	457.02	58.8	189.70	220431	27.0689 ng/ml
Diphenhydramine	5.303	204715	2540.94	32.3	311.60	460420	24.6410 ng/ml
Doxylamine	4.549	562672	7785.44	100.6	17682.01	1016503	24.7674 ng/ml
EDDP	5.275	123727	241.56	41.7	14709.69	284410	24.7281 ng/ml
Etizolam	5.820	101891	7375.65	26.3	60257.72	149041	23.6515 ng/ml
Fentanyl	5.116	3924	50.12	78.7	6902.35	103071	2.3187 ng/ml
Flualprazolam	5.712	107464	6422.52	99.1	5479.97	365544	26.4698 ng/ml
Fluoxetine	5.721	43048	268.06	9.0	2415.93	65211	23.9015 ng/ml
Hydrocodone	3.032	122592	495.27	32.6	72.24	277355	26.3524 ng/ml
Hydromorphone	1.615	102631	595298.83	72.9	798.54	134424	25.3263 ng/ml
Ketamine	4.065	235017	442.05	38.6	3636.25	443540	25.6013 ng/ml
Lamotrigine	4.294	24291	1202.42	85.4	27245.94	443540	26.8968 ng/ml
Levetiracetam	2.656	133501	2264.83	142.1	444.63	1132961	23.9563 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	235156	6370.61	49.9	1046.13	149041	28.4069 ng/ml
MDA	3.209	246431	1648.30	29.5	359.85	327940	26.4116 ng/ml
MDMA	3.310	152800	774.01	94.2	485.05	75421	24.7420 ng/ml
Meprobamate	4.911	166464	22082.72	24.9	1277.43	344648	26.6872 ng/ml
Methadone	5.666	97030	1110.85	53.3	1296.86	171895	24.6130 ng/ml
Methamphetamine	3.238	216579	1058.50	38.6	1911.37	378067	25.9020 ng/ml
Metoprolol	4.340	56131	4622.22	91.1	1493.18	1130954	25.9834 ng/ml
Mirtazapine	4.637	175030	3422.37	46.5	1877.34	476379	19.7998 ng/ml
Mitragynine	5.243	16787	1661.85	35.0	2065.32	171895	26.0299 ng/ml
Morphine	1.253	15238	78.67	19.2	742.96	11012	24.9321 ng/ml
Norbuprenorphine	5.006	243	287.23	113.6	122.31	4387	2.4375 ng/ml
Nordiazepam	5.900	174551	9090.36	58.6	2207.21	240948	25.3768 ng/ml
Norfentanyl	4.099	45904	83094.06	35.4	52.95	860574	2.3725 ng/ml
Norhydrocodone	3.080	16063	96.01	39.0	275.35	62853	22.8138 ng/ml
Noroxycodone	2.923	112411	911.14	47.9	761.31	148207	25.4555 ng/ml
O-desmethyl-tramadol	3.389	588793	10070.60	5.7	227.47	1412599	24.2242 ng/ml
Oxazepam	5.756	310316	3049.56	73.0	195.74	491107	25.9470 ng/ml
Oxycodone	2.848	223717	1925.84	30.0	652.45	377617	25.0440 ng/ml
Oxymorphone	1.411	102282	∞	43.8	350.07	132378	25.1083 ng/ml
Phentermine	3.790	81395	794.82	5.5	57.84	387152	26.4293 ng/ml
Promethazine	5.552	72220	9659.66	30.1	264.34	127590	25.0956 ng/ml
Pseudoephedrine	2.596	557981	18188.38	17.1	12844.85	1132961	24.3268 ng/ml
Quetiapine	5.569	126308	8564.28	57.7	3447.00	70510	26.2207 ng/ml
Sertraline	5.796	19619	74.09	96.6	54879.48	35967	24.2629 ng/ml
Temazepam	5.823	528189	893.10	27.7	823.66	1069980	25.0111 ng/ml
Tramadol	4.259	556924	29364.52	3.2	281.29	1130954	25.8629 ng/ml
Trazodone	5.163	100233	10413.67	74.5	13001.53	161116	25.2849 ng/ml
Venlafaxine	5.057	349074	641.45	34.9	2012.77	810726	23.9775 ng/ml
Zolpidem	4.928	601041	84540.19	30.2	2449.13	1089629	25.2635 ng/ml

SC

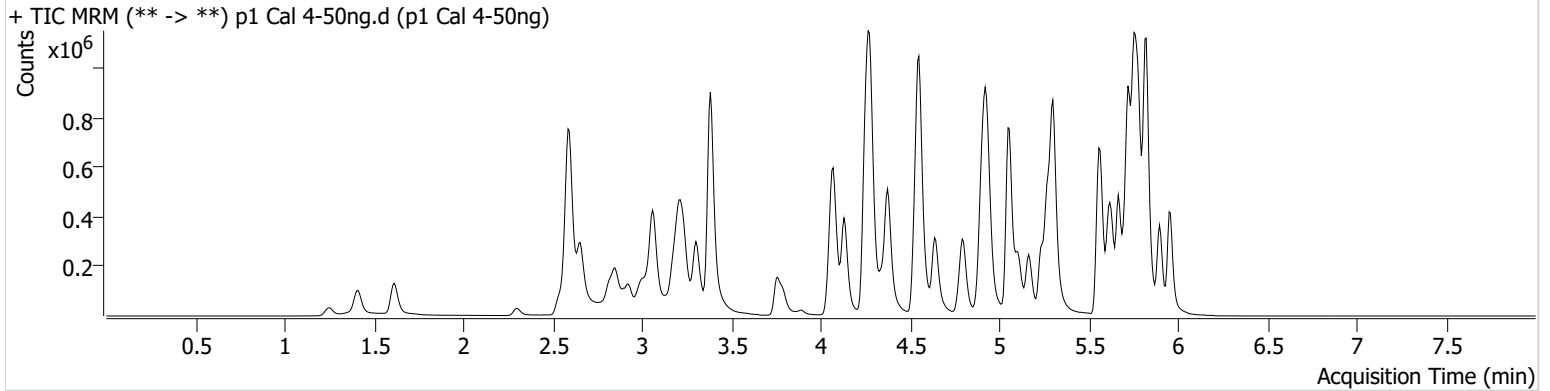


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument	Falco (069901)	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P6-E5	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2022 8:57:03 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	11287	302.57	70.5	1060.54	62216	4.9702 ng/ml
7-aminoclonazepam	4.271	233408	1499.22	79.0	3315.81	178083	53.3855 ng/ml
a-hydroxyalprazolam	5.699	130666	421.78	69.4	461.12	323676	53.2830 ng/ml
alpha-PHP	4.944	130600	2003.89	257.2	7182.56	482449	58.5975 ng/ml
alpha-PVP	4.383	530180	1676.11	51.8	1617.68	482449	48.4116 ng/ml
Alprazolam	5.782	439236	33155.36	112.2	1887.31	323676	48.3673 ng/ml
Amphetamine	3.063	712646	837.12	51.3	618.57	216192	53.2419 ng/ml
Benzoylcegonine	3.892	18727	505.25	8.1	6234.96	12558	49.4983 ng/ml
Buprenorphine	5.853	6646	4216.00	15.6	1287.66	48569	4.9229 ng/ml
Bupropion	4.801	391896	1235.67	63.0	588.20	289951	50.2168 ng/ml
Carisoprodol	5.730	488492	449409.39	54.2	291.60	449326	46.8474 ng/ml
Citalopram	5.232	252619	709.15	38.7	98288.73	232153	49.4454 ng/ml
Clonazepam	5.618	495187	1542.05	34.1	514386.55	130853	53.1509 ng/ml
Clonazepam	5.555	320504	391537.29	36.9	2529.39	130853	51.6039 ng/ml
Cocaine	4.277	424639	68283.69	54.1	17766.30	760404	49.8784 ng/ml
Codeine	2.593	65124	99.28	102.8	439.93	63549	55.3400 ng/ml
Cyclobenzaprine	5.635	189806	30207.55	7.5	119.11	159186	49.7866 ng/ml
Dextromethorphan	5.282	150651	3342.68	80.8	5212.19	146847	49.5000 ng/ml
Dextrophan	4.132	159902	469.53	215.3	13652.92	379325	49.1414 ng/ml
Diazepam	5.960	301440	1718.37	92.1	13014.36	297387	50.6804 ng/ml
Dihydrocodeine	2.572	160147	3250.88	60.3	8710.26	201224	54.3019 ng/ml
Diphenhydramine	5.303	726367	19990.34	31.5	415.82	824095	48.7460 ng/ml
Doxylamine	4.549	1150832	9385.11	100.9	12973.36	1034176	49.6730 ng/ml
EDDP	5.268	313688	2357.22	41.1	55862.29	371465	47.9522 ng/ml
Etizolam	5.820	179256	2165.44	26.4	47302.11	130853	47.0053 ng/ml
Fentanyl	5.116	17445	851.56	75.9	31209.09	215466	4.9820 ng/ml
Flualprazolam	5.712	187879	602.15	97.1	57890.43	323676	52.6881 ng/ml
Fluoxetine	5.721	201588	34443.12	8.6	111.90	148784	49.0523 ng/ml
Hydrocodone	3.032	215811	105.37	33.5	104.82	252131	51.5626 ng/ml
Hydromorphone	1.615	186247	246237.71	74.5	327.31	120079	51.3625 ng/ml
Ketamine	4.065	437328	28302.52	38.6	619.89	418387	50.9208 ng/ml
Lamotrigine	4.294	44832	4416.52	83.8	3567.58	418387	53.7570 ng/ml
Levetiracetam	2.656	257188	3589.92	140.9	282.75	1033676	51.4985 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	383254	8682.48	51.2	386.82	130853	55.1290 ng/ml
MDA	3.209	560885	5901.78	29.1	360.04	374158	53.2165 ng/ml
MDMA	3.303	355855	3220.25	91.4	4755.59	86686	50.0285 ng/ml
Meprobamate	4.911	288588	187926.39	25.0	165.19	307334	52.8632 ng/ml
Methadone	5.666	374224	30518.96	52.9	962.53	334767	48.4699 ng/ml
Methamphetamine	3.238	448002	390.90	39.2	1596.34	396082	51.7320 ng/ml
Metoprolol	4.340	116659	731.47	92.3	990.80	1089072	56.3984 ng/ml
Mirtazapine	4.637	523018	1108.84	46.8	1181.59	482449	55.2746 ng/ml
Mitragynine	5.244	67724	38834.86	34.7	1957.42	334767	54.8026 ng/ml
Morphine	1.253	29804	2197.89	18.5	1654.85	10661	50.3714 ng/ml
Norbuprenorphine	5.006	824	483.43	87.7	249.31	7411	5.0208 ng/ml
Nordiazepam	5.900	307850	1689.14	59.0	1216.90	211911	51.1396 ng/ml
Norfentanyl	4.099	87886	313.76	35.7	343.27	826463	4.6804 ng/ml
Norhydrocodone	3.080	29729	151.65	38.8	90.58	56619	46.1064 ng/ml
Noroxycodone	2.923	200117	315.90	47.8	3143.68	134126	50.3355 ng/ml
O-desmethyl-tramadol	3.383	1082390	34547.94	5.7	190.52	1285964	48.7727 ng/ml
Oxazepam	5.756	526103	235.35	73.1	2596.45	417168	52.2166 ng/ml
Oxycodone	2.848	398290	2424.18	29.8	891.75	330051	51.2552 ng/ml
Oxymorphone	1.411	179071	∞	46.1	∞	110394	52.9921 ng/ml
Phentermine	3.790	181615	2213.59	5.7	425.42	433299	53.5314 ng/ml
Promethazine	5.552	336786	∞	29.8	300.90	299870	49.7542 ng/ml
Pseudoephedrine	2.596	1017014	20153.46	17.1	615.01	1033676	48.2609 ng/ml
Quetiapine	5.569	370143	327.49	59.6	1201222.27	111229	49.1881 ng/ml
Sertraline	5.796	94321	284.62	92.5	8455.24	84987	48.8866 ng/ml
Temazepam	5.823	913034	1364.08	26.7	286.65	913222	51.1557 ng/ml
Tramadol	4.259	1028745	456.85	3.2	183.09	1089072	50.3153 ng/ml
Trazodone	5.163	336695	1822.88	76.7	270834.21	280826	48.7246 ng/ml
Venlafaxine	5.057	774965	55138.44	34.9	1482.25	907233	47.3080 ng/ml
Zolpidem	4.928	1094965	1880.59	30.1	40152.68	989195	51.2198 ng/ml

SC

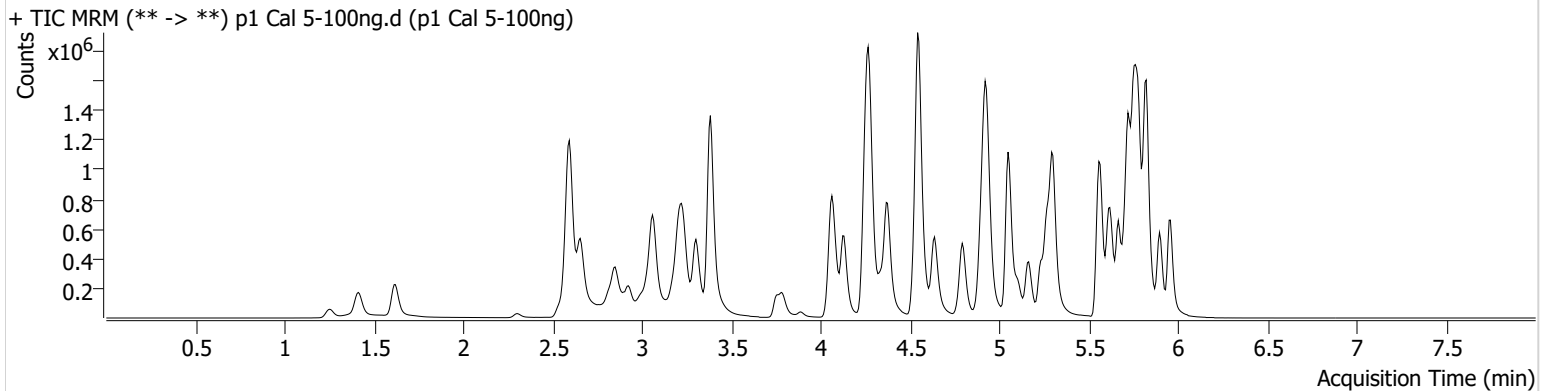


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument	Falco (069901)	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P6-D5	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2022 9:07:39 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	22699	56694.48	71.9	376.69	64592	9.6282 ng/ml
7-aminoclonazepam	4.265	466501	8823.09	79.4	1611.77	181472	105.4691 ng/ml
a-hydroxyalprazolam	5.699	235315	705.02	68.0	605.22	315846	99.3232 ng/ml
alpha-PHP	4.944	228628	6062.75	260.9	8846.43	451866	109.5127 ng/ml
alpha-PVP	4.376	998114	22424.12	52.0	1738.69	451866	97.2460 ng/ml
Alprazolam	5.775	883952	∞	109.0	7199.76	315846	99.3348 ng/ml
Amphetamine	3.063	1204309	1592.43	50.8	6725.05	192877	101.1984 ng/ml
Benzoylcegonine	3.886	37908	108.68	7.9	816.88	12704	98.6712 ng/ml
Buprenorphine	5.853	10732	891.60	15.2	5557.22	40170	9.6483 ng/ml
Bupropion	4.795	712817	35709.85	63.5	831.41	265242	99.9111 ng/ml
Carisoprodol	5.730	907649	964882.08	54.3	9711.56	413389	93.3428 ng/ml
Citalopram	5.232	418098	6577.01	38.5	2327.92	189939	99.9153 ng/ml
Clonazepam	5.612	939175	5514.72	35.1	22868.10	127594	104.0578 ng/ml
Clonazepam	5.555	626877	4284.44	36.8	236552.38	127594	104.3394 ng/ml
Cocaine	4.271	827634	22217.74	54.8	17212.82	748763	98.7678 ng/ml
Codeine	2.593	127132	159.04	99.9	151415.11	66176	104.4973 ng/ml
Cyclobenzaprine	5.635	299092	45979.10	7.9	2921.84	126376	98.5460 ng/ml
Dextromethorphan	5.275	252628	10946.32	80.1	982.35	124126	98.2272 ng/ml
Dextrophan	4.132	292272	7234.40	213.0	15328.77	347442	98.0555 ng/ml
Diazepam	5.960	581250	5215.66	92.0	12044.79	288478	100.9925 ng/ml
Dihydrocodeine	2.572	318702	100.27	63.0	1364.00	208644	105.9950 ng/ml
Diphenhydramine	5.303	1198464	59712.87	31.4	19512.00	679797	97.3969 ng/ml
Doxylamine	4.549	2332818	3624.91	99.6	67533.76	1052080	98.8611 ng/ml
EDDP	5.268	542905	2120.82	42.0	1088.57	318219	96.8252 ng/ml
Etizolam	5.820	355362	11021.74	26.4	158227.09	127594	95.1658 ng/ml
Fentanyl	5.109	27608	1417.71	79.3	32406.04	175668	9.7127 ng/ml
Flualprazolam	5.705	360448	19925.75	102.3	12624.68	315846	104.0093 ng/ml
Fluoxetine	5.721	301523	3206.84	8.9	610.58	113351	96.2997 ng/ml
Hydrocodone	3.032	439538	386.68	34.4	1496.05	258315	103.0624 ng/ml
Hydromorphone	1.621	376819	2701888.83	74.6	886107.30	125419	99.4134 ng/ml
Ketamine	4.059	875307	93132.41	38.2	2825.61	422156	101.4295 ng/ml
Lamotrigine	4.294	86680	12994.26	83.9	2270.21	422156	104.0910 ng/ml
Levetiracetam	2.656	493178	537.02	140.6	3482.43	1040175	98.8801 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	612624	15907.97	51.0	971.23	127594	92.1631 ng/ml
MDA	3.209	987736	1319.47	28.9	731.34	338102	104.2143 ng/ml
MDMA	3.303	660871	16989.66	92.5	2050.34	81431	98.8045 ng/ml
Meprobamate	4.911	533164	67534.48	24.5	665.15	305844	99.0292 ng/ml
Methadone	5.666	606672	26737.07	52.9	25371.19	273201	96.0095 ng/ml
Methamphetamine	3.238	917178	7063.95	39.0	4314.07	407337	103.5819 ng/ml
Metoprolol	4.340	212467	377770.77	96.4	7241.04	1096896	102.2065 ng/ml
Mirtazapine	4.637	904885	29959.93	46.4	1688.58	451866	100.7379 ng/ml
Mitragynine	5.244	109971	413926.62	35.5	86102.33	273201	109.8542 ng/ml
Morphine	1.253	59635	952.53	19.8	1088.31	10384	103.4804 ng/ml
Norbuprenorphine	5.006	1543	40.72	94.0	1522.28	6446	10.9373 ng/ml
Nordiazepam	5.900	584306	63784.90	58.7	1176.01	203374	101.3824 ng/ml
Norfentanyl	4.093	179482	203.75	36.7	2391.62	824434	9.5299 ng/ml
Norhydrocodone	3.080	58104	481.56	39.7	220.83	52901	95.6543 ng/ml
Noroxycodone	2.923	384761	819.53	48.6	3765.95	132659	98.1053 ng/ml
O-desmethyl-tramadol	3.383	2225724	25656.90	5.7	3560.87	1322574	97.3738 ng/ml
Oxazepam	5.756	903340	542.39	72.0	4439.52	357997	104.9089 ng/ml
Oxycodone	2.848	818035	2184.47	29.2	738.73	344915	100.9608 ng/ml
Oxymorphone	1.411	361865	648.49	45.9	3149.70	116746	101.4909 ng/ml
Phentermine	3.790	341553	353.95	5.6	485.85	408330	107.6713 ng/ml
Promethazine	5.552	551394	1243.53	30.1	6673.35	246066	99.2306 ng/ml
Pseudoephedrine	2.596	2074408	55399.42	17.0	33658.40	1040175	97.4754 ng/ml
Quetiapine	5.569	614207	4572.22	59.9	93639.33	90959	100.3853 ng/ml
Sertraline	5.796	146176	7240.69	92.8	216.04	64210	99.7910 ng/ml
Temazepam	5.823	1642068	∞	26.9	588.45	829511	101.7643 ng/ml
Tramadol	4.259	2023566	1415.27	3.2	397.95	1096896	98.9965 ng/ml
Trazodone	5.163	537647	5662.07	78.1	60674.79	224091	97.4989 ng/ml
Venlafaxine	5.050	1477786	1672.50	34.2	395.90	832615	98.0108 ng/ml
Zolpidem	4.921	2267914	7703.96	29.4	42426.43	1011379	104.2930 ng/ml

SC

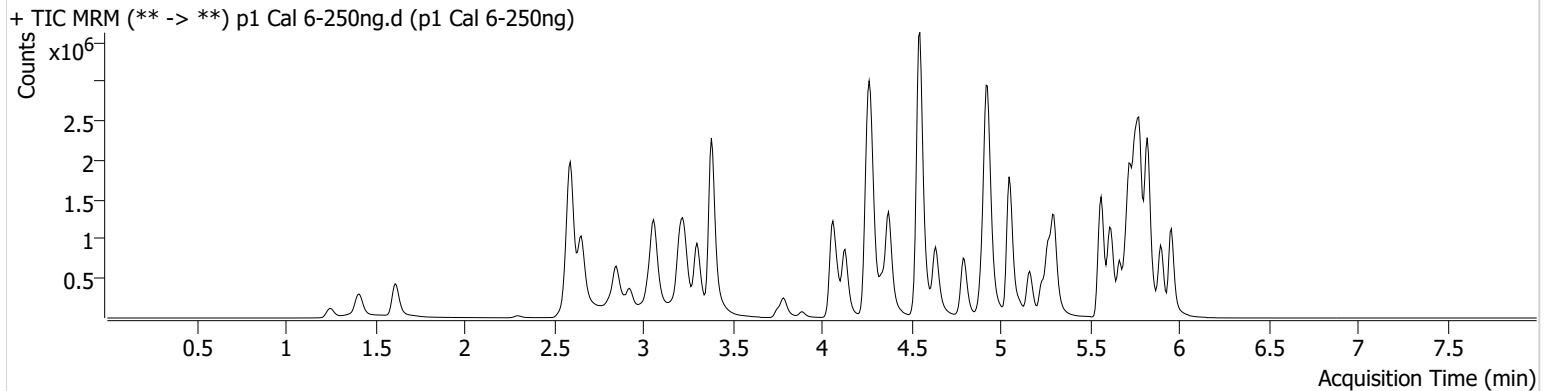


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument	Falco (069901)	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P6-C5	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2022 9:18:15 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	49929	275.14	71.3	222870.82	54012	25.3285 ng/ml
7-aminoclonazepam	4.265	833630	22382.65	79.1	234.95	135827	252.9106 ng/ml
a-hydroxyalprazolam	5.699	376942	615.15	68.2	1666.16	242793	208.2392 ng/ml
alpha-PHP	4.944	382150	5329.06	257.1	78244.60	344027	240.4145 ng/ml
alpha-PVP	4.376	1950191	932.90	52.0	833.72	344027	249.4702 ng/ml
Alprazolam	5.782	1753660	3599.81	108.7	1812.56	242793	255.7449 ng/ml
Amphetamine	3.063	2393300	1359.82	48.2	369.58	155633	249.8072 ng/ml
Benzoylecgonine	3.892	82240	519.55	7.9	11194.58	11153	243.2671 ng/ml
Buprenorphine	5.853	11756	21048.77	16.0	4125.18	17288	24.6161 ng/ml
Bupropion	4.795	1169780	33010.26	63.4	20600.31	175183	248.3455 ng/ml
Carisoprodol	5.730	1683169	256222.87	53.5	14880.95	299707	236.8150 ng/ml
Citalopram	5.232	597524	18061.37	38.6	951.09	110399	245.5205 ng/ml
Clonazepam	5.612	1719994	1531.81	34.7	2438786.20	95806	254.8284 ng/ml
Clonazepam	5.555	1196541	110477.11	36.8	931568.79	95806	266.5032 ng/ml
Cocaine	4.277	1685637	69936.84	55.1	632.81	609651	247.1251 ng/ml
Codeine	2.593	243573	11482.67	100.0	8290.12	52332	254.3957 ng/ml
Cyclobenzaprine	5.635	228472	328.88	7.7	2647.35	38802	244.7639 ng/ml
Dextromethorphan	5.282	287751	8392.94	79.9	290.28	53854	257.9208 ng/ml
Dextrophan	4.132	548481	1009.84	214.4	22232.05	255685	250.0346 ng/ml
Diazepam	5.960	1147402	7868.58	92.1	725.34	227020	253.7146 ng/ml
Dihydrocodeine	2.565	672714	9456.76	61.1	464.73	177484	265.8728 ng/ml
Diphenhydramine	5.303	1690987	2297.95	31.3	19386.47	376921	247.6902 ng/ml
Doxylamine	4.549	4738000	148099.83	99.3	152411.12	825868	255.6012 ng/ml
EDDP	5.268	1008734	1119.14	41.7	10676.15	230673	248.1009 ng/ml
Etizolam	5.820	699563	18576.76	26.0	328659.68	95806	248.8730 ng/ml
Fentanyl	5.109	24945	75.27	75.0	2883.40	62848	24.5984 ng/ml
Flualprazolam	5.712	676043	8980.57	105.3	217836.56	242793	254.3985 ng/ml
Fluoxetine	5.721	166993	256.96	8.8	29309.59	24827	243.4988 ng/ml
Hydrocodone	3.032	891239	1845.86	33.5	125.34	211790	255.7189 ng/ml
Hydromorphone	1.615	794236	4341191.38	74.9	1233297.40	106268	247.1704 ng/ml
Ketamine	4.065	1841423	434137.97	38.5	7109.39	358167	252.1382 ng/ml
Lamotrigine	4.294	173624	2130.76	85.9	2355.43	358167	247.3579 ng/ml
Levetiracetam	2.656	1028398	1789.96	142.4	15322.14	822182	262.2059 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	833040	21267.66	51.0	681.01	95806	169.1723 ng/ml
MDA	3.209	1739537	9521.66	28.8	2000.08	243782	255.3122 ng/ml
MDMA	3.303	1253844	205735.95	92.1	1776.37	61135	249.5342 ng/ml
Meprobamate	4.911	949843	409688.10	24.9	7896.68	253097	214.3867 ng/ml
Methadone	5.666	741545	11298.31	52.9	359.41	131501	243.3808 ng/ml
Methamphetamine	3.238	1569673	836.43	39.2	13920.13	288346	251.2836 ng/ml
Metoprolol	4.340	407223	5121.42	95.3	7105.70	836098	257.4156 ng/ml
Mirtazapine	4.637	1444275	7027.79	47.2	4573.75	344027	209.4182 ng/ml
Mitragynine	5.244	113036	2508.54	35.6	1423.33	131501	235.5204 ng/ml
Morphine	1.253	131523	281.97	19.8	137.45	9325	254.1362 ng/ml
Norbuprenorphine	5.006	1894	111.66	87.0	1822.45	3336	26.1096 ng/ml
Nordiazepam	5.900	1086833	691.31	59.4	4552.94	151333	253.7975 ng/ml
Norfentanyl	4.093	368111	23810.97	36.4	122.24	627248	25.6058 ng/ml
Norhydrocodone	3.080	114400	137.10	39.5	139.05	38258	259.1625 ng/ml
Noroxycodone	2.923	742501	∞	48.9	10931.62	98987	254.1487 ng/ml
O-desmethyl-tramadol	3.383	4772223	69935.64	5.6	3866.25	1101457	250.4712 ng/ml
Oxazepam	5.756	1390522	12309.01	73.3	153.42	223453	259.3550 ng/ml
Oxycodone	2.848	1741053	1159.91	29.5	5029.98	291690	254.4426 ng/ml
Oxymorphone	1.411	752649	515.74	45.5	414.22	97936	252.0136 ng/ml
Phentermine	3.790	615502	3833.68	5.4	169.24	304465	261.4219 ng/ml
Promethazine	5.552	404395	707.83	30.4	∞	71889	249.0409 ng/ml
Pseudoephedrine	2.596	4138894	49330.69	17.0	43986.74	822182	245.5340 ng/ml
Quetiapine	5.569	1107474	78248.13	61.6	18498.63	65229	253.2446 ng/ml
Sertraline	5.796	75696	1116.79	94.3	684.69	13420	246.5668 ng/ml
Temazepam	5.823	2881077	37046.40	26.6	624.09	574382	258.6055 ng/ml
Tramadol	4.259	4038939	4696.75	3.2	545.41	836098	260.4673 ng/ml
Trazodone	5.163	850446	1703.55	77.4	1031.52	135912	254.2734 ng/ml
Venlafaxine	5.050	2904482	3652.66	33.4	1851.48	641896	249.4571 ng/ml
Zolpidem	4.921	4815810	10616.02	28.8	148477.01	856408	262.3185 ng/ml

SC

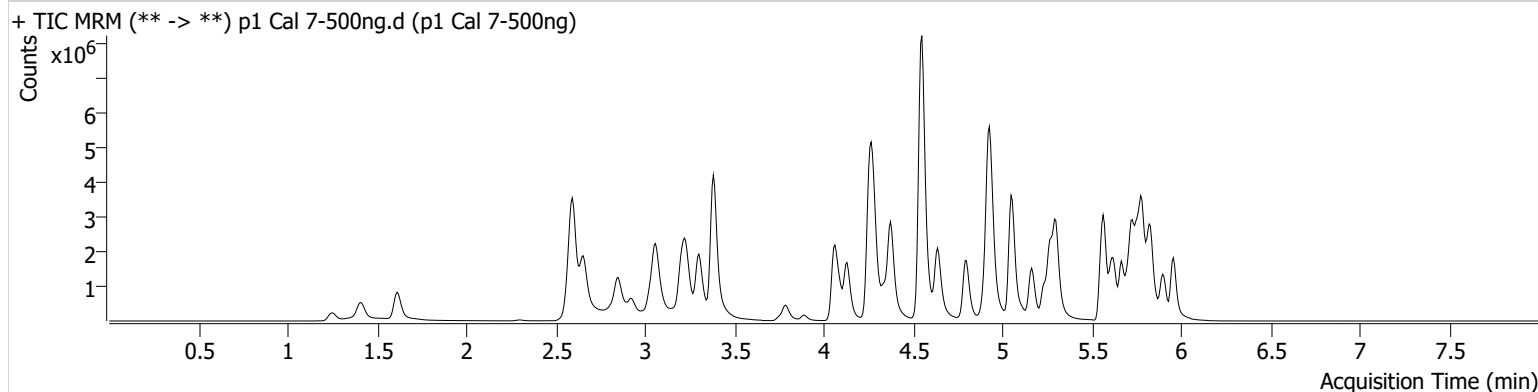


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument Falco (069901) **Data File** p1 Cal 7-500ng.d
Type Cal **Sample** p1 Cal 7-500ng
Acq. Method AM 28 MDQ P1.m **Operator** Sarah Collins
Sample Position P6-B5 **Comment**
Injection Volume 2
Acq. Date-Time 2/8/2022 9:28:50 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	106671	660.33	69.7	596.09	58422	50.0281 ng/ml
7-aminoclonazepam	4.265	1194248	23959.42	82.4	24814.64	121188	406.5614 ng/ml
a-hydroxyalprazolam	5.692	493409	1348.02	67.8	1074.60	206271	321.4746 ng/ml
alpha-PHP	4.944	828841	32793.58	260.4	13568.94	381860	469.7595 ng/ml
alpha-PVP	4.376	4418594	121659.48	51.9	540.09	381860	509.1662 ng/ml
Alprazolam	5.782	2947918	1040.90	109.3	2353.72	206271	505.6458 ng/ml
Amphetamine	3.063	4431073	341.48	48.2	358.67	161819	445.1279 ng/ml
Benzoylecgonine	3.886	183923	945.27	7.8	4076.79	12481	485.7872 ng/ml
Buprenorphine	5.853	29775	8060.40	15.5	309.50	18512	58.2767 ng/ml
Bupropion	4.801	2791318	144319.40	62.9	30133.36	206663	502.3971 ng/ml
Carisoprodol	5.730	2435762	413268.91	54.6	10577.05	205890	497.4808 ng/ml
Citalopram	5.232	1415815	953.79	38.5	28217.38	125654	511.0093 ng/ml
Clonazepam	5.612	2680622	93908.08	34.5	1157.54	80640	472.4545 ng/ml
Clonazolam	5.555	1771457	52903.43	37.1	1135647.52	80640	469.3827 ng/ml
Cocaine	4.277	3298284	141831.62	54.1	43448.71	577592	510.4339 ng/ml
Codeine	2.593	424512	93.51	100.7	12757.27	50401	461.0550 ng/ml
Cyclobenzaprine	5.635	731695	565.34	7.6	1961.83	59678	509.3559 ng/ml
Dextromethorphan	5.282	664350	11466.55	80.2	18023.75	65778	487.5520 ng/ml
Dextrophan	4.132	1154358	1681.72	216.0	1331.58	267046	503.8385 ng/ml
Diazepam	5.960	2033188	442.48	92.6	35507.31	205760	496.2741 ng/ml
Dihydrocodeine	2.565	1294614	11374.98	62.0	10679.41	192624	472.9390 ng/ml
Diphenhydramine	5.303	3991635	106541.19	31.2	25831.68	437556	503.5521 ng/ml
Doxylamine	4.549	11155780	406853.92	96.5	430530.26	949562	523.3031 ng/ml
EDDP	5.268	2697185	62922.80	41.2	54736.00	295836	517.2040 ng/ml
Etizolam	5.820	1231675	9218.89	26.3	9516.00	80640	520.1615 ng/ml
Fentanyl	5.109	72423	8135.10	74.9	102362.23	86846	51.7307 ng/ml
Flualprazolam	5.712	1087068	3775.30	106.5	35346.72	206271	481.8882 ng/ml
Fluoxetine	5.727	502677	15753.25	8.7	285.81	34532	526.9686 ng/ml
Hydrocodone	3.032	1712332	480.11	34.6	3067.12	218975	475.6749 ng/ml
Hydromorphone	1.615	1616256	6747691.18	74.8	5680554.80	106990	499.5080 ng/ml
Ketamine	4.065	3809205	390774.00	37.6	23418.98	375870	497.4298 ng/ml
Lamotrigine	4.294	298201	26575.21	84.8	39910.52	375870	405.5837 ng/ml
Levetiracetam	2.656	1836564	3979.22	144.7	20998.14	804523	479.2171 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	935888	23101.18	50.1	772.59	80640	226.7401 ng/ml
MDA	3.209	3307707	7789.41	28.2	1607.77	245784	481.9906 ng/ml
MDMA	3.303	2676131	204675.54	92.3	3024.17	65476	497.1813 ng/ml
Meprobamate	4.911	1394634	158914.57	24.6	19004.09	231343	345.0089 ng/ml
Methadone	5.666	1918081	25722.62	52.8	32401.42	169174	489.0590 ng/ml
Methamphetamine	3.231	3124145	52837.40	38.8	33247.47	295507	488.5834 ng/ml
Metoprolol	4.340	805968	2105919.30	97.7	89184.47	890397	478.6394 ng/ml
Mirtazapine	4.637	3431615	183451.60	46.2	51968.43	381860	446.4427 ng/ml
Mitragynine	5.244	293141	530333.39	35.9	58298.05	169174	475.6039 ng/ml
Morphine	1.253	266570	1325.05	20.1	204.31	9670	496.7012 ng/ml
Norbuprenorphine	5.006	3991	205.54	101.3	1123.52	3999	45.9811 ng/ml
Nordiazepam	5.906	1756254	186983.07	58.5	49274.85	122371	507.4338 ng/ml
Norfentanyl	4.093	820416	28998.97	36.5	183.08	632828	56.5049 ng/ml
Norhydrocodone	3.080	240609	∞	40.9	∞	35928	579.5368 ng/ml
Noroxycodone	2.923	1315296	735.76	48.5	7579.54	88667	502.8732 ng/ml
O-desmethyl-tramadol	3.383	9938176	288338.88	5.5	25441.55	1106784	518.9448 ng/ml
Oxazepam	5.756	1496621	24371.47	73.3	8826.16	131858	473.4044 ng/ml
Oxycodone	2.848	3565668	31834.13	29.5	8515.22	308741	492.5374 ng/ml
Oxymorphone	1.411	1369131	440.88	48.2	∞	88459	507.8004 ng/ml
Phentermine	3.790	1190957	5930.93	5.6	1506.32	328283	469.8060 ng/ml
Promethazine	5.552	1301684	13959.47	30.3	2568.03	116916	492.8615 ng/ml
Pseudoephedrine	2.596	8508435	337826.74	16.4	76577.71	804523	515.4575 ng/ml
Quetiapine	5.569	2584198	2656591.38	62.1	511.22	75903	508.3901 ng/ml
Sertraline	5.796	242280	9548.13	92.2	366.06	20582	514.0696 ng/ml
Temazepam	5.830	3824574	∞	26.7	274.59	402750	490.0237 ng/ml
Tramadol	4.252	8312015	∞	3.1	741.24	890397	504.0602 ng/ml
Trazodone	5.163	2199073	276516.59	78.1	1478.42	174631	511.7143 ng/ml
Venlafaxine	5.050	6537120	141712.49	33.1	40998.87	701126	513.7414 ng/ml
Zolpidem	4.928	9629070	4135.70	27.8	4393.71	900757	499.1416 ng/ml

AM #28 Multi-Drug Quant. Results

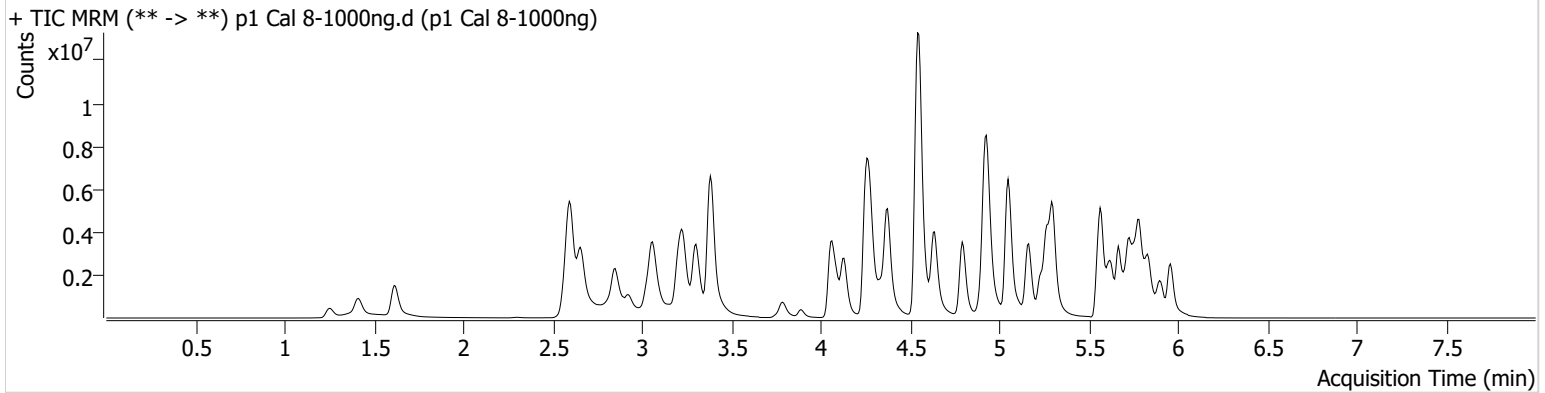
SC



Batch results D:\MassHunter\Data\2022\AM 27-28\020822 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 2/9/2022 10:15:31 AM

Instrument	Falco (069901)	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P6-A5	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2022 9:39:26 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	221573	2127.16	68.6	2770.34	58589	103.6197 ng/ml
7-aminoclonazepam	4.265	1443762	11911.89	79.5	23038.17	90589	658.0116 ng/ml
a-hydroxyalprazolam	5.692	576954	2406.02	68.6	782.43	154967	501.0058 ng/ml
alpha-PHP	4.944	1441214	4953.54	260.3	201318.71	355005	878.6120 ng/ml
alpha-PVP	4.376	8609292	330534.65	51.6	41807.95	355005	1067.0502 ng/ml
Alprazolam	5.782	4436259	∞	107.2	2748.83	154967	1012.4589 ng/ml
Amphetamine	3.063	7284125	212.41	47.5	261.17	149078	794.5784 ng/ml
Benzoylecgonine	3.886	437185	845.28	8.2	20775.11	14090	1022.4897 ng/ml
Buprenorphine	5.853	54942	668.81	14.9	12973.38	14005	142.1952 ng/ml
Bupropion	4.795	5783913	257464.81	62.3	64925.38	214845	1001.4399 ng/ml
Carisoprodol	5.730	3157859	408097.93	53.8	2807.36	129384	1025.0149 ng/ml
Citalopram	5.232	2790414	171371.32	38.1	47069.91	123018	1028.6152 ng/ml
Clonazepam	5.612	3717718	∞	35.2	20050.40	59248	892.4549 ng/ml
Clonazepam	5.555	2334174	170355.85	37.9	768626.63	59248	842.4474 ng/ml
Cocaine	4.277	5553595	139356.85	54.6	51874.84	492202	1008.6049 ng/ml
Codeine	2.593	683940	16226.09	97.2	4347.98	44516	841.7244 ng/ml
Cyclobenzaprine	5.635	1530533	32743.70	7.3	407.72	59895	1061.3018 ng/ml
Dextromethorphan	5.275	1200496	5904.77	78.1	321.00	58053	998.2858 ng/ml
Dextrophan	4.132	2023635	∞	216.7	7917.66	227455	1036.9767 ng/ml
Diazepam	5.960	3200020	39221.22	91.8	∞	168344	954.9188 ng/ml
Dihydrocodeine	2.565	2286566	30821.67	62.4	314.62	198151	813.3932 ng/ml
Diphenhydramine	5.303	7860787	155428.40	30.8	142217.40	410232	1057.5877 ng/ml
Doxylamine	4.543	20725406	424985.73	97.9	503856.70	963825	957.7173 ng/ml
EDDP	5.268	5374461	275803.94	40.2	∞	290395	1049.8455 ng/ml
Etizolam	5.820	1952807	3144.03	25.9	628532.18	59248	1122.0292 ng/ml
Fentanyl	5.109	156450	15487.41	75.8	284742.99	91516	106.0957 ng/ml
Flualprazolam	5.705	1496225	24110.60	110.5	18280.45	154967	883.2079 ng/ml
Fluoxetine	5.727	708964	22022.42	9.0	4865.28	23805	1078.1459 ng/ml
Hydrocodone	3.032	3319737	6486.30	33.9	646.37	219772	919.3878 ng/ml
Hydromorphone	1.615	3185205	13321061.37	74.8	12913602.6	102816	1024.2672 ng/ml
Ketamine	4.059	7228703	177991.30	36.8	15911.78	376470	942.8466 ng/ml
Lamotrigine	4.294	426889	19186.45	85.0	34094.74	376470	580.1936 ng/ml

SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.663	3190590	10474.73	148.0	1038.36	683643	980.5895 ng/ml
Lorazepam	5.753	1019844	40833.70	50.4	894.91	59248	337.6429 ng/ml
MDA	3.203	5109667	26054.73	28.0	6568.14	210453	869.9918 ng/ml
MDMA	3.303	5044349	16557.96	93.3	3250.60	59797	1026.0559 ng/ml
Meprobamate	4.904	1836549	80067.25	24.9	7366.84	207527	506.9553 ng/ml
Methadone	5.666	3946311	245410.52	50.9	122353.29	166360	1022.9197 ng/ml
Methamphetamine	3.231	6194682	51083.94	37.6	57836.40	314159	911.7906 ng/ml
Metoprolol	4.340	1336091	105966.19	97.9	81046.03	840106	841.1714 ng/ml
Mirtazapine	4.637	6689997	176410.16	45.7	2590.97	355005	934.4171 ng/ml
Mitragynine	5.244	526829	3591.32	36.0	428339.10	166360	869.8862 ng/ml
Morphine	1.253	511139	2632.76	19.9	395.34	9752	944.4041 ng/ml
Norbuprenorphine	5.006	7633	33557.45	100.6	127.63	3656	96.3120 ng/ml
Nordiazepam	5.906	2245831	514.95	59.2	8145.52	86411	919.1230 ng/ml
Norfentanyl	4.093	1649555	425.87	36.6	101.00	534054	134.5545 ng/ml
Norhydrocodone	3.080	483339	∞	41.7	146.21	33767	1237.8297 ng/ml
Noroxycodone	2.923	2068175	5099.21	49.5	5570.82	73017	960.4517 ng/ml
O-desmethyl-tramadol	3.383	18162168	139743.07	5.6	27702.64	1013440	1035.5903 ng/ml
Oxazepam	5.756	1428058	8509.03	73.0	7060.78	66570	895.1222 ng/ml
Oxycodone	2.848	7053785	1286.67	29.0	808.16	313803	958.8657 ng/ml
Oxymorphone	1.411	2476556	∞	45.9	364.46	91704	886.2319 ng/ml
Phentermine	3.790	2124224	∞	5.4	1460.62	335404	820.7996 ng/ml
Promethazine	5.552	2606236	228006.13	30.4	1312.26	113123	1019.8501 ng/ml
Pseudoephedrine	2.603	15111939	258857.80	16.4	29659.34	683643	1077.0205 ng/ml
Quetiapine	5.569	5115993	323823.39	61.8	1319.56	82611	925.1967 ng/ml
Sertraline	5.796	350633	529.42	92.4	1448.26	15443	991.0876 ng/ml
Temazepam	5.830	4457517	75289.18	26.2	18470.19	230421	998.7576 ng/ml
Tramadol	4.252	14315240	∞	3.1	451.99	840106	920.7103 ng/ml
Trazodone	5.163	5113668	810.88	78.8	1192.48	209255	993.0315 ng/ml
Venlafaxine	5.050	12870684	183010.31	32.4	29351.56	657196	1078.8068 ng/ml
Zolpidem	4.921	16592658	436439.45	28.1	245250.38	890109	870.7885 ng/ml