

REVIEWED

By Tamara Salazar at 9:45 am, Jun 08, 2021



6/4/2021

Worklist: 5018

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-2244	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2271	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1662	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1663	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1691	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1692	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1693	5	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1705	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1725	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1736	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1761	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1764	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1765	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1767	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1772	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1801	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1832	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1846	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1848	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1850	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: 06/03/21
Plate lot#: IDP-121-201207

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

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

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

Blank Blood Lot: Lampire 20L20724

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

LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:

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

Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and 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: Alpha-hydroxyalprazolam 5-250, Amphetamine 5-500, Buprenorphine 0.5-50, Codeine 5-500, Dihydrocodeine 5-500, Etizolam 5-500, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-250, Mirtazapine 5-500, Norbuprenorphine 1-100, Norhydrocodone 5-500, Phentermine 5-500*

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

Case samples M2021-1923-2 and M2021-2086-3 from worklist 5001 were extracted with this batch.

SC

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	m2021-2271-2	p2021-1692-1	IS + Cal. 1	IS + QC_1	m2021-1923-2					IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	p2021-1736-1	p2021-1848-1	IS + Cal. 2	IS + QC_2						IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	p2021-1662-1	p2021-1705-1	IS + Cal. 3	IS + QC_3						IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	p2021-1761-1	m2021-2086-3	IS + Cal. 4	IS + QC_4					IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	p2021-1663-1	p2021-1725-1	IS + Cal. 5	IS + QC_2 urine					IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	negative blood	p2021-1765-1	p2021-1764-1 blanks start	IS + Cal. 6	p2021-1832-2					IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	m2021-2244-2	p2021-1691-1	p2021-1767-1	IS + Cal. 7	p2021-1846-1					IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	p2021-1693-5	p2021-1772-1	p2021-1801-1	IS + Cal. 8	p2021-1850-1					IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

SC

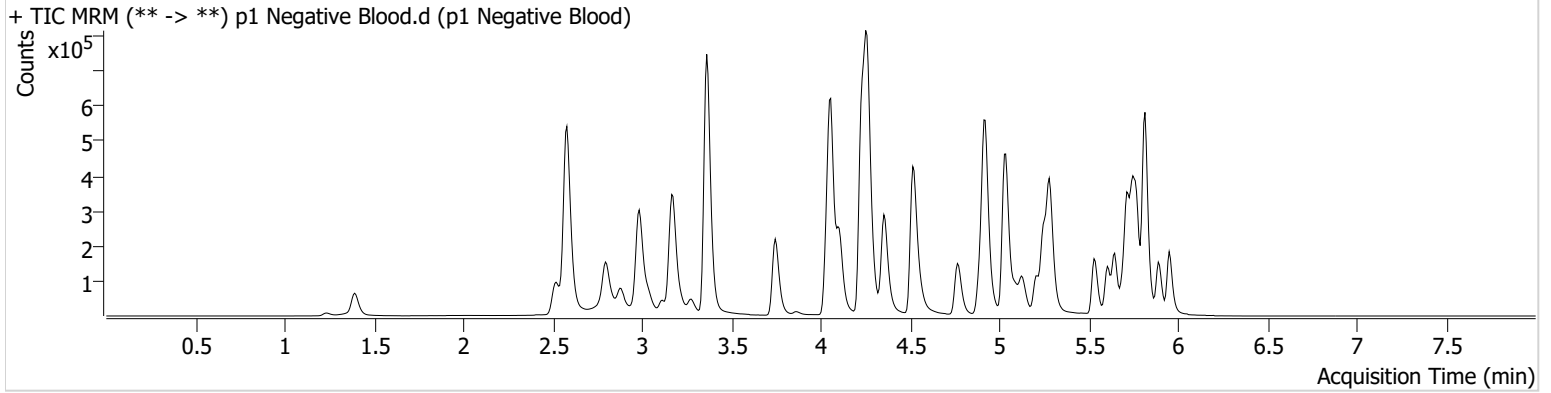


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 6/4/2021 10:00:02 AM

Instrument	Falco (069901)	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	6/4/2021 1:33:33 AM		
Sample Info.			

Sample Chromatogram



AM #28 Multi-Drug Quant. Results

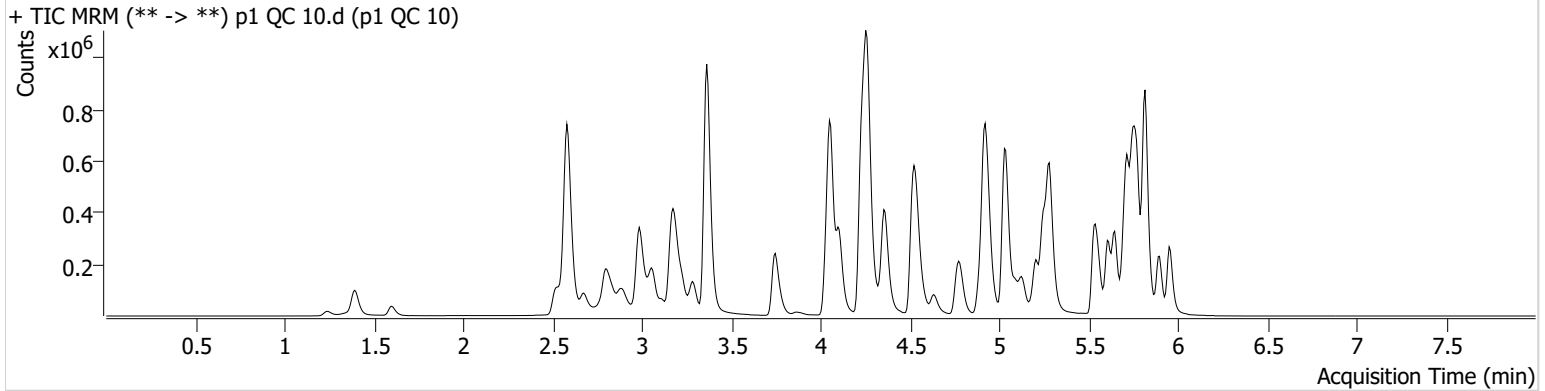
SC



Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 6/4/2021 10:00:02 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	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	6/4/2021 12:19:07 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	4081	8842.74	55.6	3026.81	97016	1.0334 ng/ml
7-aminoclonazepam	4.271	91829	109.45	69.7	126.97	342674	9.7827 ng/ml
a-hydroxyalprazolam	5.699	43755	1917.72	57.1	829.71	465230	11.1116 ng/ml
alpha-PHP	4.930	41383	756.96	267.3	1763.60	828678	9.8311 ng/ml
alpha-PVP	4.370	178898	229.22	53.4	391.83	828678	9.5871 ng/ml
Alprazolam	5.775	135570	465.62	106.8	1616.79	465230	9.7780 ng/ml
Amphetamine	3.063	258510	1022.69	45.9	673.21	263105	10.1909 ng/ml
Benzoylecgonine	3.892	5776	32.58	7.3	182.80	21252	10.6006 ng/ml
Buprenorphine	5.880	2259	1191.88	12.3	453.48	81267	0.9369 ng/ml
Bupropion	4.788	130202	626.77	62.7	196.43	461902	10.0458 ng/ml
Carisoprodol	5.724	130661	233928.02	68.8	252.48	712403	9.1755 ng/ml
Citalopram	5.205	75692	413.56	34.3	1804.89	357932	9.8730 ng/ml
Clonazepam	5.612	147508	901.75	27.9	166914.74	179735	10.2838 ng/ml
Clonazepam	5.548	97990	91505.11	38.5	20224.09	179735	9.9041 ng/ml
Cocaine	4.257	148271	1614.77	56.3	7322.84	1521116	9.5895 ng/ml
Codeine	2.573	20079	307.99	92.2	511.85	88429	10.6156 ng/ml
Cyclobenzaprine	5.615	46068	94.37	9.7	76.49	197891	10.3264 ng/ml
Dextromethorphan	5.255	36394	356.46	80.2	92.99	165970	10.3824 ng/ml
Dextrophan	4.105	46029	157846.99	199.9	1163.97	551902	9.8169 ng/ml
Diazepam	5.960	86090	1058.04	91.0	394.00	405682	9.6368 ng/ml
Dihydrocodeine	2.552	44088	55.76	75.1	258.08	269628	10.4865 ng/ml
Diphenhydramine	5.282	164527	170.33	33.0	983.27	1015575	9.8280 ng/ml
Doxylamine	4.536	316651	2480.95	96.2	3072.89	1442883	9.8170 ng/ml
EDDP	5.248	111480	634.92	40.3	656.87	582046	9.6657 ng/ml
Etizolam	5.813	93774	192392.08	24.4	28043.98	179735	10.0962 ng/ml
Fentanyl	5.109	5011	277.46	59.4	6268.32	241730	1.0296 ng/ml
Flualprazolam	5.705	62383	951.02	94.7	4415.68	465230	10.1552 ng/ml
Fluoxetine	5.707	82565	2876.95	8.8	13256.13	328138	10.2986 ng/ml
Hydrocodone	3.012	61456	84.03	44.5	72.74	785972	9.9331 ng/ml
Hydromorphone	1.601	61343	1529.15	75.5	19393.91	5839	9.8728 ng/ml
Ketamine	4.051	148432	2793.83	32.4	1180.52	693900	9.9048 ng/ml
Lamotrigine	4.273	15178	538.43	81.7	388.49	693900	10.5042 ng/ml
Levetiracetam	2.676	63421	353.98	170.1	1714.28	1761781	9.3638 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	144052	1963.23	61.3	307.43	179735	10.1421 ng/ml
MDA	3.196	211220	864.07	25.6	140.40	491903	10.3865 ng/ml
MDMA	3.290	127256	383.20	79.6	427.72	110867	10.0174 ng/ml
Meprobamate	4.917	77339	475.52	30.6	5625.59	368438	10.2851 ng/ml
Methadone	5.646	99592	432.80	59.9	196.57	473480	9.9817 ng/ml
Methamphetamine	3.231	158184	187.09	35.7	128.94	632620	9.9245 ng/ml
Metoprolol	4.326	34555	670.10	98.4	800.57	1709573	9.9634 ng/ml
Mirtazapine	4.637	113879	2977.72	61.2	1098.88	828678	8.9538 ng/ml
Mitragynine	5.237	20704	27636.97	36.2	11902.09	473480	10.4084 ng/ml
Morphine	1.247	7206	837.99	64.3	93.80	5839	9.5191 ng/ml
Norbuprenorphine	4.979	320	222.05	79.4	522.08	11955	1.2406 ng/ml
Nordiazepam	5.900	100814	5475.53	49.4	1282.58	336170	10.0271 ng/ml
Norfentanyl	4.079	31088	8951.83	36.9	77.41	1413613	0.9352 ng/ml
Norhydrocodone	3.059	10921	136.50	42.0	116.08	100051	10.1955 ng/ml
Noroxycodone	2.903	70198	805.43	43.0	9877.15	236945	10.0036 ng/ml
O-desmethyl-tramadol	3.369	353071	2864.70	6.7	286.36	2195112	9.5074 ng/ml
Oxazepam	5.756	162822	361.62	73.2	199.04	694574	9.9294 ng/ml
Oxycodone	2.827	129938	617.90	28.4	288.31	596198	9.9560 ng/ml
Oxymorphone	1.398	68282	∞	44.9	127.22	236388	10.1621 ng/ml
Phentermine	3.783	55404	155.66	4.2	39.52	662090	9.7137 ng/ml
Promethazine	5.532	128550	1075.90	28.8	189.01	538575	10.0895 ng/ml
Pseudoephedrine	2.589	362696	8023.95	16.3	206.36	1761781	9.5933 ng/ml
Quetiapine	5.555	85335	435.07	59.3	210241.48	113797	9.6145 ng/ml
Sertraline	5.776	33532	108.64	93.4	203.38	150678	10.0045 ng/ml
Temazepam	5.823	279269	44577.71	28.5	201.39	1343509	9.8664 ng/ml
Tramadol	4.246	351837	6206.30	3.5	45.98	1709573	10.0053 ng/ml
Trazodone	5.190	78798	4482.30	82.3	851.37	311888	10.4634 ng/ml
Venlafaxine	5.037	272943	5823.48	32.5	434.51	1407572	9.7445 ng/ml
Zolpidem	4.941	296180	9304.23	30.2	268.84	1575119	9.8705 ng/ml

AM #28 Multi-Drug Quant. Results

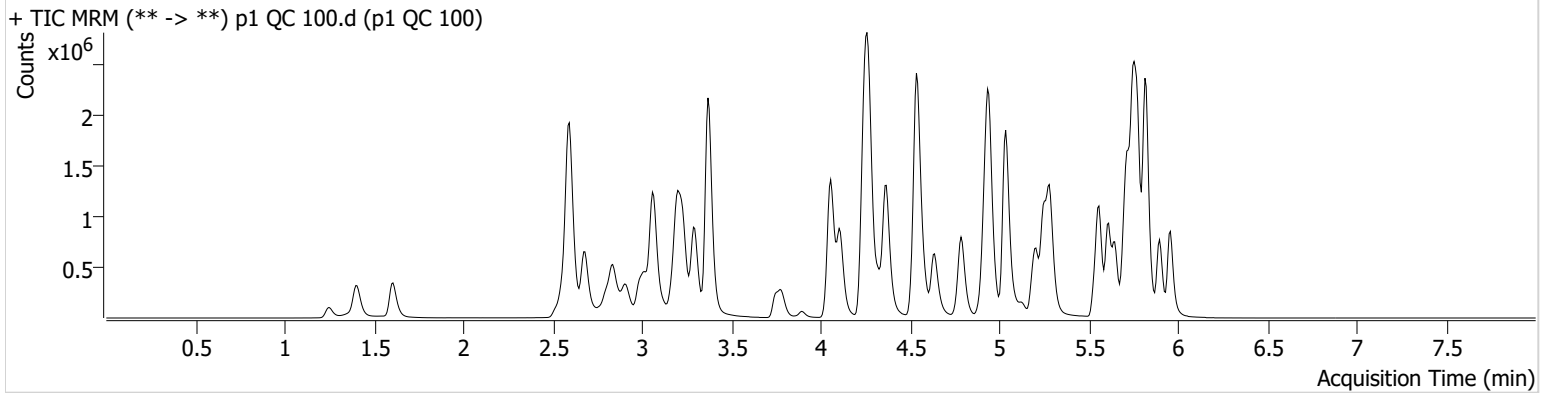
SC



Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 6/4/2021 10:00:02 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	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	6/4/2021 7:02:34 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	37716	212376.30	65.1	122813.34	93491	10.0463 ng/ml
7-aminoclonazepam	4.271	801060	34357.41	69.1	2975.66	282837	104.7246 ng/ml
a-hydroxyalprazolam	5.692	349906	608.85	55.7	1944.35	402454	107.4934 ng/ml
alpha-PHP	4.937	382354	3483.20	269.8	28963.85	762092	104.5162 ng/ml
alpha-PVP	4.370	1792591	51971.65	53.0	29075.87	762092	101.0351 ng/ml
Alprazolam	5.775	1276183	2319.19	106.0	541.27	402454	103.7777 ng/ml
Amphetamine	3.063	2340564	26110.01	46.3	454.22	248802	105.0201 ng/ml
Benzoylecgonine	3.892	63340	3197.89	7.9	14419.45	20428	114.5230 ng/ml
Buprenorphine	5.880	15613	371.58	13.9	2286.60	52315	9.7209 ng/ml
Bupropion	4.788	1176444	24006.13	63.4	867.55	406591	101.1402 ng/ml
Carisoprodol	5.724	1125979	1216360.06	67.0	394.70	559950	96.0505 ng/ml
Citalopram	5.212	567690	4697.88	34.6	637.48	258153	98.9511 ng/ml
Clonazepam	5.612	1298397	3387.75	28.9	843925.24	158247	110.8651 ng/ml
Clonazepam	5.548	916309	303146.79	38.5	920434.71	158247	110.0235 ng/ml
Cocaine	4.264	1436973	2501.13	54.0	775210.73	1350731	101.9398 ng/ml
Codeine	2.580	177388	921.80	93.5	17728.46	82242	106.5539 ng/ml
Cyclobenzaprine	5.615	153738	594613.09	9.8	153.16	65113	101.3931 ng/ml
Dextromethorphan	5.255	227612	4813.34	82.4	7946.06	105809	98.9993 ng/ml
Dextrophan	4.111	461226	1247.77	200.7	1401.85	510765	103.5264 ng/ml
Diazepam	5.960	804189	10408.00	89.5	∞	355769	102.7283 ng/ml
Dihydrocodeine	2.552	422655	20836.79	76.7	2090.93	256642	109.1821 ng/ml
Diphenhydramine	5.289	1299449	34139.78	34.6	12591.83	776475	96.6674 ng/ml
Doxylamine	4.536	3297671	9457.32	94.4	125331.92	1427706	102.4029 ng/ml
EDDP	5.254	1111178	516.17	41.3	12583.92	556693	98.5272 ng/ml
Etizolam	5.813	871393	2525.40	25.5	134336.44	158247	90.6955 ng/ml
Fentanyl	5.109	25704	1033.44	59.1	27851.36	122477	9.8705 ng/ml
Flualprazolam	5.705	546229	9520.10	103.9	997.91	402454	106.3758 ng/ml
Fluoxetine	5.707	160655	698209.13	7.7	25387.77	65588	101.0811 ng/ml
Hydrocodone	3.018	606912	245.41	45.2	232.00	778473	105.1324 ng/ml
Hydromorphone	1.608	587925	2697560.18	83.2	1872.63	5568	102.6642 ng/ml
Ketamine	4.059	1431999	23435.13	32.3	2826.63	659854	103.0688 ng/ml
Lamotrigine	4.280	133628	8897.66	85.2	2785.42	659854	101.7331 ng/ml
Levetiracetam	2.683	625584	4527.45	170.4	6516.76	1557971	103.4531 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1038743	13301.91	61.3	1023.01	158247	92.2378 ng/ml
MDA	3.203	1889555	2987.04	25.5	1957.23	449004	109.3971 ng/ml
MDMA	3.296	1248332	3393.69	80.9	4581.67	103066	103.7559 ng/ml
Meprobamate	4.917	655768	1106052.07	30.8	19988.83	333625	104.1089 ng/ml
Methadone	5.646	644643	848.22	59.2	1761.00	309481	94.9540 ng/ml
Methamphetamine	3.231	1392157	814.83	36.2	875.88	573353	102.6109 ng/ml
Metoprolol	4.326	336410	590.88	97.0	969.90	1639618	102.5707 ng/ml
Mirtazapine	4.637	1002829	5879.92	59.8	103474.71	762092	75.7978 ng/ml
Mitragynine	5.237	117714	1091.77	37.5	134633.94	309481	89.9550 ng/ml
Morphine	1.253	70557	868.30	64.2	566.61	5568	101.2361 ng/ml
Norbuprenorphine	4.986	2059	2506.44	105.1	4480.47	9355	9.9528 ng/ml
Nordiazepam	5.900	885659	20763.95	51.0	998.69	299729	98.2924 ng/ml
Norfentanyl	4.079	307127	9057.23	34.9	697.95	1287496	9.4274 ng/ml
Norhydrocodone	3.066	89135	57.35	42.9	261.09	79002	98.5483 ng/ml
Noroxycodone	2.909	629236	1084.59	45.1	16.32	206960	103.7031 ng/ml
O-desmethyl-tramadol	3.369	3513124	98007.59	6.6	32601.38	2025138	100.2403 ng/ml
Oxazepam	5.756	1303128	390.67	72.7	22596.82	517551	108.8625 ng/ml
Oxycodone	2.834	1269896	2340.75	28.6	461.33	562848	104.7889 ng/ml
Oxymorphone	1.405	620068	∞	45.9	∞	211236	105.9777 ng/ml
Phentermine	3.783	540008	455.24	4.3	600.31	629915	104.2466 ng/ml
Promethazine	5.532	427179	806209.25	28.6	∞	176842	99.2872 ng/ml
Pseudoephedrine	2.596	3437194	36101.83	16.4	739.43	1557971	97.9073 ng/ml
Quetiapine	5.562	745796	30114.99	59.0	748577.90	92914	102.5523 ng/ml
Sertraline	5.776	64056	183.02	92.1	56752.09	29745	93.7479 ng/ml
Temazepam	5.823	2387519	1285.92	28.4	1714.83	1065068	100.2956 ng/ml
Tramadol	4.246	3463819	985.60	3.6	457.58	1639618	104.8899 ng/ml
Trazodone	5.190	628690	663424.45	84.8	557.92	242610	110.2508 ng/ml
Venlafaxine	5.037	2779158	42129.20	32.0	3801.60	1302346	102.6131 ng/ml
Zolpidem	4.941	2895444	3905.78	30.0	27090.56	1489175	102.5648 ng/ml

AM #28 Multi-Drug Quant. Results

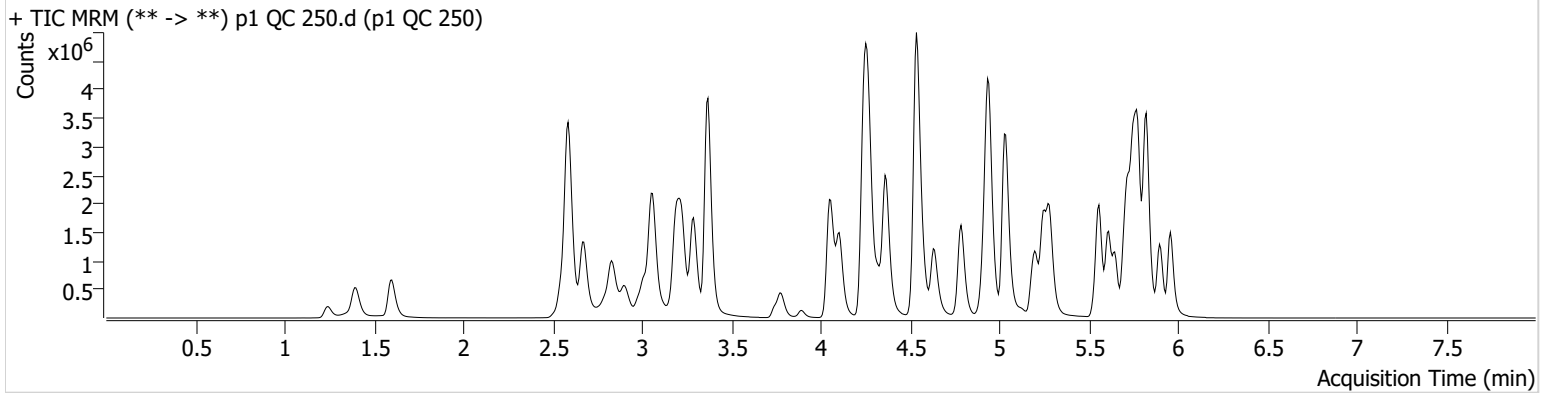
SC



Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 6/4/2021 10:00:02 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	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	6/4/2021 12:40:23 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	84422	147406.37	64.8	1921.25	84851	24.8001 ng/ml
7-aminoclonazepam	4.271	1489922	6520.11	70.3	12602.74	224043	246.0844 ng/ml
a-hydroxyalprazolam	5.692	576764	598.01	57.0	1173.03	324675	220.2368 ng/ml
alpha-PHP	4.930	754451	4007.17	266.5	90945.45	671629	234.7931 ng/ml
alpha-PVP	4.370	3876442	3802.33	52.0	2112.76	671629	247.4118 ng/ml
Alprazolam	5.775	2527006	7250.36	105.5	∞	324675	254.3351 ng/ml
Amphetamine	3.063	4429284	2969.90	45.2	1976.17	207296	239.6374 ng/ml
Benzoylecgonine	3.892	137403	1219.35	8.0	62944.33	20592	245.7518 ng/ml
Buprenorphine	5.880	24859	34121.62	15.6	5936.34	33519	24.1046 ng/ml
Bupropion	4.788	2581594	95716.29	63.2	1193.73	364114	247.5242 ng/ml
Carisoprodol	5.730	1979024	5236775.57	66.9	11420.84	394226	239.1029 ng/ml
Citalopram	5.205	1034674	16106.63	34.8	1409.58	194617	238.6656 ng/ml
Clonazepam	5.612	2441380	21900.74	28.0	1785199.78	123728	267.8770 ng/ml
Clonazepam	5.549	1823717	62779.57	37.9	1339477.48	123728	280.8488 ng/ml
Cocaine	4.257	3021814	137772.17	54.6	44809.90	1152218	250.9004 ng/ml
Codeine	2.573	333293	351.53	93.6	211209.81	68720	240.4355 ng/ml
Cyclobenzaprine	5.615	170854	4392.98	10.0	161.20	31471	232.6589 ng/ml
Dextromethorphan	5.255	371094	310.24	81.5	1432.89	70634	241.3190 ng/ml
Dextrophan	4.105	943030	1003593.10	196.9	15696.39	437193	246.9018 ng/ml
Diazepam	5.960	1615119	∞	89.9	14529.88	301878	243.1604 ng/ml
Dihydrocodeine	2.545	882309	1256.80	76.3	1228.28	240389	243.8146 ng/ml
Diphenhydramine	5.282	2339215	61478.73	34.5	234.03	583578	230.8102 ng/ml
Doxylamine	4.536	7282910	299832.23	93.9	76355.22	1252645	257.6166 ng/ml
EDDP	5.248	2300371	2220.11	40.7	15099.68	481126	235.6819 ng/ml
Etizolam	5.813	1780902	3882.99	25.0	662362.13	123728	234.3925 ng/ml
Fentanyl	5.103	36930	325.44	58.4	64027.27	73233	23.6322 ng/ml
Flualprazolam	5.705	1050983	744.88	103.9	5146.15	324675	254.2512 ng/ml
Fluoxetine	5.707	134271	523.02	8.0	1003.33	24246	228.6459 ng/ml
Hydrocodone	3.012	1231888	377.48	46.1	∞	685162	243.3429 ng/ml
Hydromorphone	1.601	1193269	3248.94	83.9	3233.50	4988	233.0568 ng/ml
Ketamine	4.051	3104823	51995.06	32.1	6129.79	606132	243.6616 ng/ml
Lamotrigine	4.280	249407	1599.72	84.9	2275.10	606132	207.2670 ng/ml
Levetiracetam	2.676	1305291	6136.40	172.9	6756.80	1340425	250.7494 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.747	1352136	4760.30	60.5	2552.71	123728	154.4126 ng/ml
MDA	3.196	3456193	8333.09	24.8	1672.81	358942	251.4179 ng/ml
MDMA	3.290	2554405	18032.15	80.6	3067.71	89994	242.8770 ng/ml
Meprobamate	4.917	1119971	17713.20	31.5	245.54	287741	207.0721 ng/ml
Methadone	5.646	1113955	526.22	58.2	903.45	214726	235.8364 ng/ml
Methamphetamine	3.231	2591422	1744.28	35.4	4602.36	462084	237.9358 ng/ml
Metoprolol	4.326	708269	917.67	94.8	6808.41	1395666	253.9262 ng/ml
Mirtazapine	4.631	1920264	1244.14	60.5	6775.65	671629	163.3310 ng/ml
Mitragynine	5.237	177819	1404.27	37.8	97036.33	214726	195.7617 ng/ml
Morphine	1.240	146417	726.57	66.9	1174.15	4988	234.9805 ng/ml
Norbuprenorphine	4.979	3288	15059.12	102.6	3940.92	6756	21.9620 ng/ml
Nordiazepam	5.900	1746339	43559.99	49.3	1841.74	238089	243.9053 ng/ml
Norfentanyl	4.079	676581	1510.44	34.5	5112.07	1120852	23.7443 ng/ml
Norhydrocodone	3.060	162784	145.83	44.1	89.39	58604	241.5482 ng/ml
Noroxycodone	2.903	1183495	3476.21	44.5	16651.75	163660	246.8091 ng/ml
O-desmethyl-tramadol	3.369	8035081	345724.59	6.5	33316.76	1844467	251.3678 ng/ml
Oxazepam	5.756	1990412	20895.10	72.2	25051.49	335459	256.8439 ng/ml
Oxycodone	2.827	2741960	5628.65	28.3	1064.97	509043	250.4312 ng/ml
Oxymorphone	1.398	1241225	∞	46.3	∞	176699	254.0179 ng/ml
Phentermine	3.783	1052059	∞	4.2	2110.16	529323	242.3674 ng/ml
Promethazine	5.532	509246	2108.00	29.2	1171.45	87648	238.3762 ng/ml
Pseudoephedrine	2.589	7403019	110677.49	16.0	14511.51	1340425	244.3381 ng/ml
Quetiapine	5.562	1423121	38802.50	59.2	24364.72	75824	239.7461 ng/ml
Sertraline	5.776	53286	572.54	88.1	125754.47	9270	249.6542 ng/ml
Temazepam	5.823	4241661	1821.63	28.2	3518.05	771493	245.0829 ng/ml
Tramadol	4.239	7430251	112004.32	3.5	∞	1395666	264.6865 ng/ml
Trazodone	5.183	1162663	41860.29	84.8	15438.81	186660	265.4507 ng/ml
Venlafaxine	5.037	5834455	73863.86	31.7	1941.06	1142558	244.9050 ng/ml
Zolpidem	4.941	6325214	1023.03	29.4	62892.52	1304282	255.8995 ng/ml

*OCR

AM #28 Multi-Drug Quant. Results

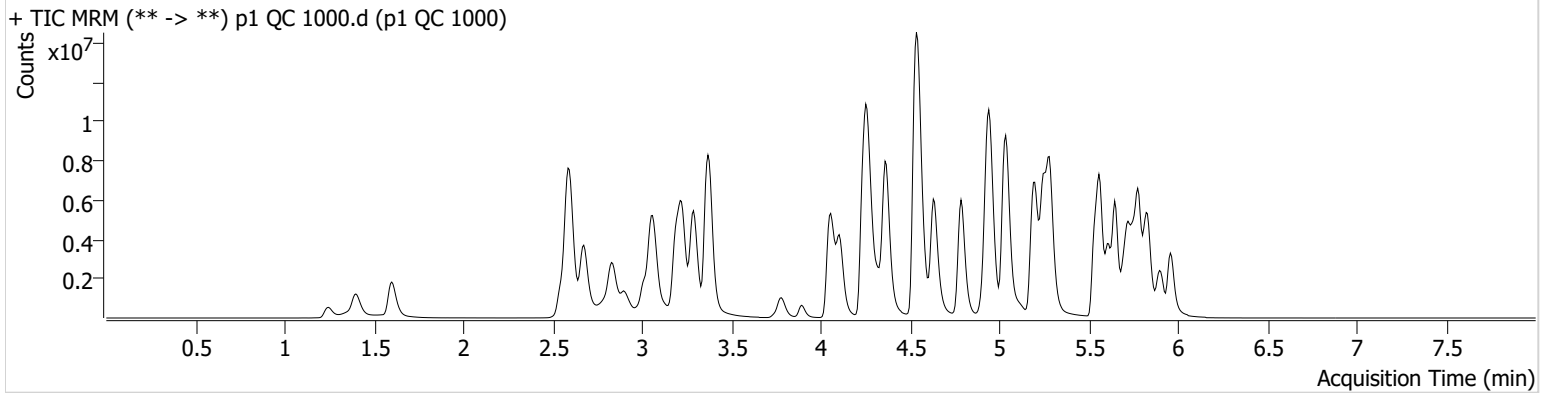
SC



Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 6/4/2021 10:00:02 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	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	6/4/2021 1:01:42 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	319862	5400.06	67.6	2068.73	78062	102.1842 ng/ml
7-aminoclonazepam	4.278	2358668	110529.02	75.4	25313.72	96116	908.4489 ng/ml
* a-hydroxyalprazolam	5.685	835808	436.22	57.1	681.43	195540	530.7343 ng/ml
alpha-PHP	4.930	2246427	85997.84	271.3	2499.34	582698	807.3545 ng/ml
alpha-PVP	4.370	14008100	26335.59	53.2	258048.91	582698	1029.4155 ng/ml
Alprazolam	5.775	6045782	∞	104.2	4979.53	195540	1009.5445 ng/ml
* Amphetamine	3.063	11832799	35746.54	44.9	50712.39	175637	757.4540 ng/ml
Benzoylcegonine	3.892	701568	1825.69	8.1	3629.25	20402	1263.9108 ng/ml
* Buprenorphine	5.880	136230	419877.96	14.5	32115.25	33494	132.0400 ng/ml
Bupropion	4.788	10235651	303008.98	63.1	38971.93	361839	986.9308 ng/ml
Carisoprodol	5.730	3669595	624647.96	64.7	14520.99	165334	1055.5868 ng/ml
Citalopram	5.212	4618447	∞	34.2	126849.84	204064	1014.7192 ng/ml
Clonazepam	5.612	4559148	43120.38	28.2	14642.69	67655	917.0078 ng/ml
Clonazepam	5.549	3243498	84055.03	38.4	1319688.35	67655	914.5998 ng/ml
Cocaine	4.264	9207417	980.75	53.3	2223.36	838538	1049.5957 ng/ml
* Codeine	2.566	776305	3127.56	92.1	16019.76	52268	737.6799 ng/ml
Cyclobenzaprine	5.615	2430908	3879.11	9.7	986.04	102224	1017.8842 ng/ml
Dextromethorphan	5.255	1869963	43984.61	81.7	546.59	85987	997.8765 ng/ml
Dextrophan	4.111	3114989	161774.19	202.4	38644.70	342658	1039.6565 ng/ml
Diazepam	5.960	4315196	19319.32	91.1	944.50	203613	963.2188 ng/ml
* Dihydrocodeine	2.545	2518103	1800.49	78.5	2322.27	230080	727.8034 ng/ml
Diphenhydramine	5.289	11582476	485382.83	33.2	4647.37	660773	1007.5729 ng/ml
Doxylamine	4.545	25454356	469340.84	95.5	393060.39	1228825	917.5962 ng/ml
EDDP	5.248	9788109	291445.60	38.9	71074.04	465974	1034.6461 ng/ml
* Etizolam	5.820	4718052	33053.57	25.0	9012.29	67655	1129.2308 ng/ml
Fentanyl	5.109	386938	10314.41	57.4	4837.32	183678	98.5287 ng/ml
Flualprazolam	5.705	2279115	27447.41	107.1	20871.67	195540	916.4966 ng/ml
Fluoxetine	5.707	1685980	21044.90	8.1	7991.80	70770	983.9365 ng/ml
Hydrocodone	3.012	3934517	707.79	47.0	2303.37	621450	858.6038 ng/ml
Hydromorphone	1.601	3664354	21718.39	83.9	17795784.2	3670	974.0344 ng/ml
Ketamine	4.051	10683899	100903.58	31.0	2306.64	541897	938.6472 ng/ml
* Lamotrigine	4.287	547587	10537.97	82.0	45949.85	541897	509.7968 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.676	3734641	24108.36	175.8	22159.74	888722	1081.7525 ng/ml
* Lorazepam	5.747	1533411	47184.71	59.9	519.68	67655	321.6175 ng/ml
MDA	3.196	8517075	23987.47	23.9	4571.58	266693	835.8776 ng/ml
MDMA	3.290	8615314	221140.60	80.9	4892.66	74351	990.8821 ng/ml
* Meprobamate	4.911	1915380	169973.16	31.1	303.94	208767	489.3665 ng/ml
Methadone	5.646	7253501	195850.23	58.2	29692.29	324490	1014.7419 ng/ml
Methamphetamine	3.231	9711396	3309.63	34.3	2376.11	466990	884.2395 ng/ml
Metoprolol	4.326	2050859	14821.80	96.3	91464.90	1189678	862.9516 ng/ml
* Mirtazapine	4.631	10268487	353591.16	59.2	437222.19	582698	1000.7153 ng/ml
Mitragynine	5.237	1065871	35172.78	38.5	8608.31	324490	776.2676 ng/ml
Morphine	1.247	444870	7434.09	69.0	∞	3670	971.6653 ng/ml
Norbuprenorphine	4.986	17085	3545.13	93.1	136.64	7287	105.6551 ng/ml
Nordiazepam	5.906	3902445	108967.92	48.8	19766.12	133222	973.9059 ng/ml
Norfentanyl	4.079	2175685	74516.29	34.6	12432.01	756315	112.8827 ng/ml
* Norhydrocodone	3.060	549439	172.41	42.8	1350.28	42713	1115.9648 ng/ml
Noroxycodone	2.903	2771457	1289.17	45.8	661.39	95650	989.2560 ng/ml
O-desmethyl-tramadol	3.369	23217399	162577.92	7.0	55122.39	1425351	939.2569 ng/ml
Oxazepam	5.749	2105344	16528.84	71.3	7461.87	101923	894.7247 ng/ml
Oxycodone	2.827	9187900	6497.65	28.6	2507.44	457679	933.8350 ng/ml
Oxymorphone	1.398	3638864	6196.35	45.2	610.48	136960	961.5891 ng/ml
* Phentermine	3.783	3057124	∞	4.0	1101.87	487718	765.4649 ng/ml
Promethazine	5.532	7120647	8209.58	28.0	2025.15	281192	1037.9045 ng/ml
Pseudoephedrine	2.596	21243186	245426.75	15.9	232657.45	888722	1055.8183 ng/ml
Quetiapine	5.562	7634370	525043.94	58.5	304702.84	98370	991.2336 ng/ml
Sertraline	5.776	741356	8685.72	91.6	8787.25	33357	964.2204 ng/ml
Temazepam	5.830	6750523	39346.91	28.2	18284.32	294221	1020.7776 ng/ml
Tramadol	4.239	20653429	742.18	3.7	14666.68	1189678	863.6564 ng/ml
Trazodone	5.190	8630164	3421.46	84.3	198183.12	379640	969.6267 ng/ml
Venlafaxine	5.037	20346427	297225.37	33.0	1393.09	965684	1009.0380 ng/ml
Zolpidem	4.941	19848600	5632.98	30.1	6609.30	1167879	896.9393 ng/ml

*OCR

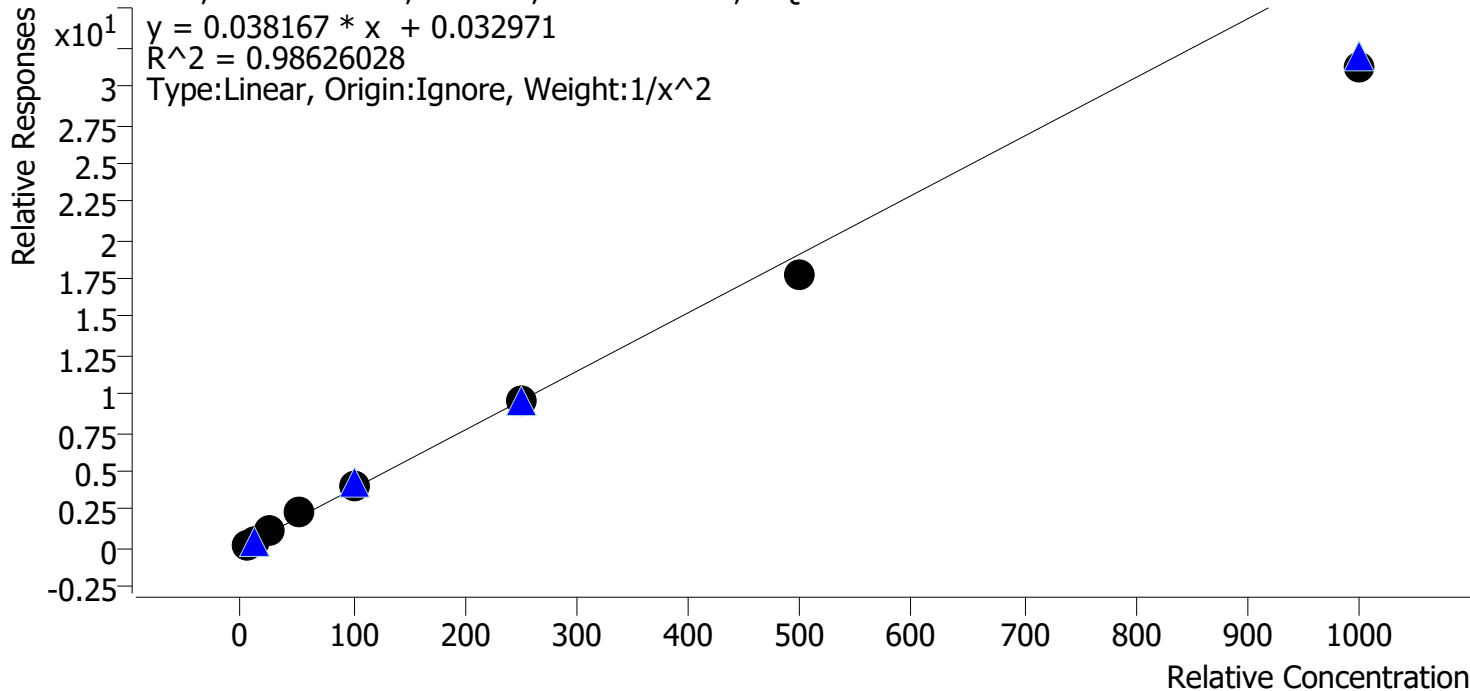
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	57.9	115.8
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	465.9	93.2
p1 Cal 8-1000ng	8	✓	1000.0	815.4	81.5

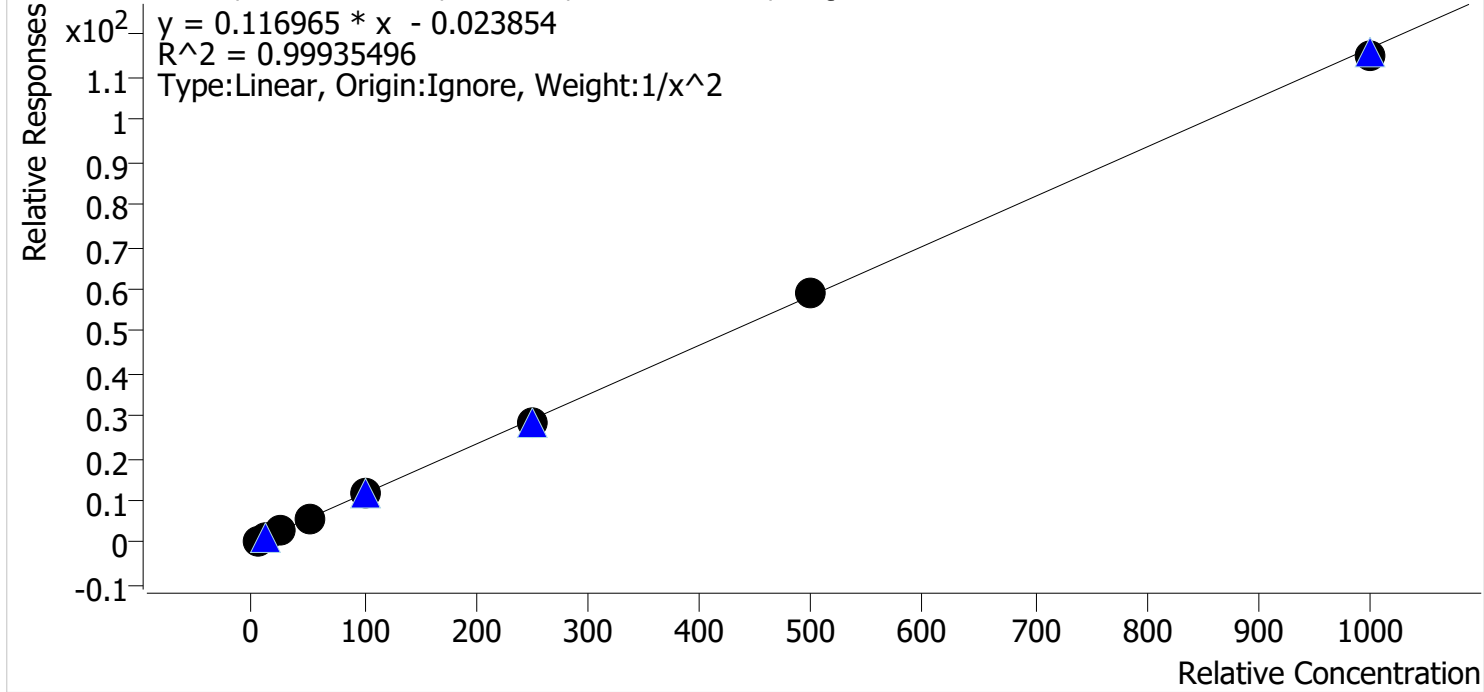
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	505.7	101.1
p1 Cal 8-1000ng	8	✓	1000.0	984.7	98.5

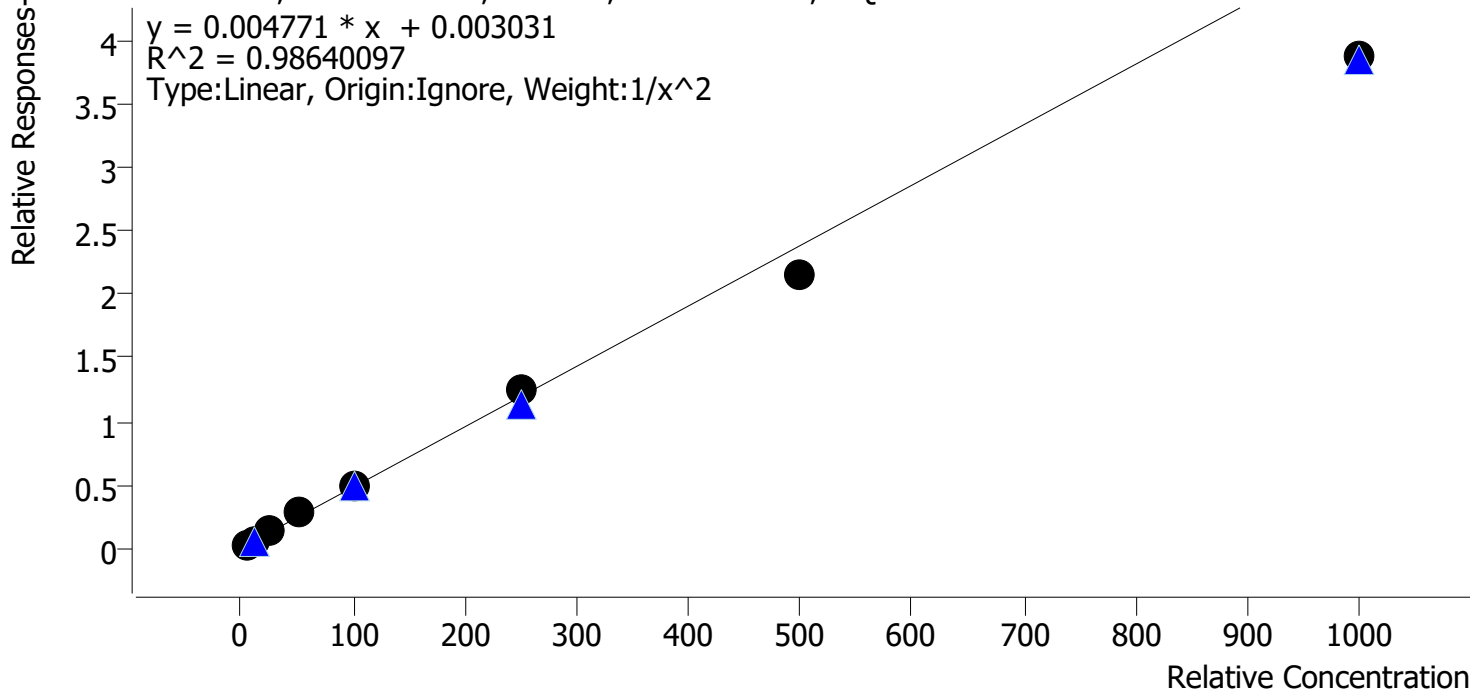
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 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, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.8
p1 Cal 2-10ng	2	✓	10.0	10.5	105.4
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	56.3	112.6
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	262.9	105.2
p1 Cal 7-500ng	7	✓	500.0	454.3	90.9
p1 Cal 8-1000ng	8	✓	1000.0	812.7	81.3

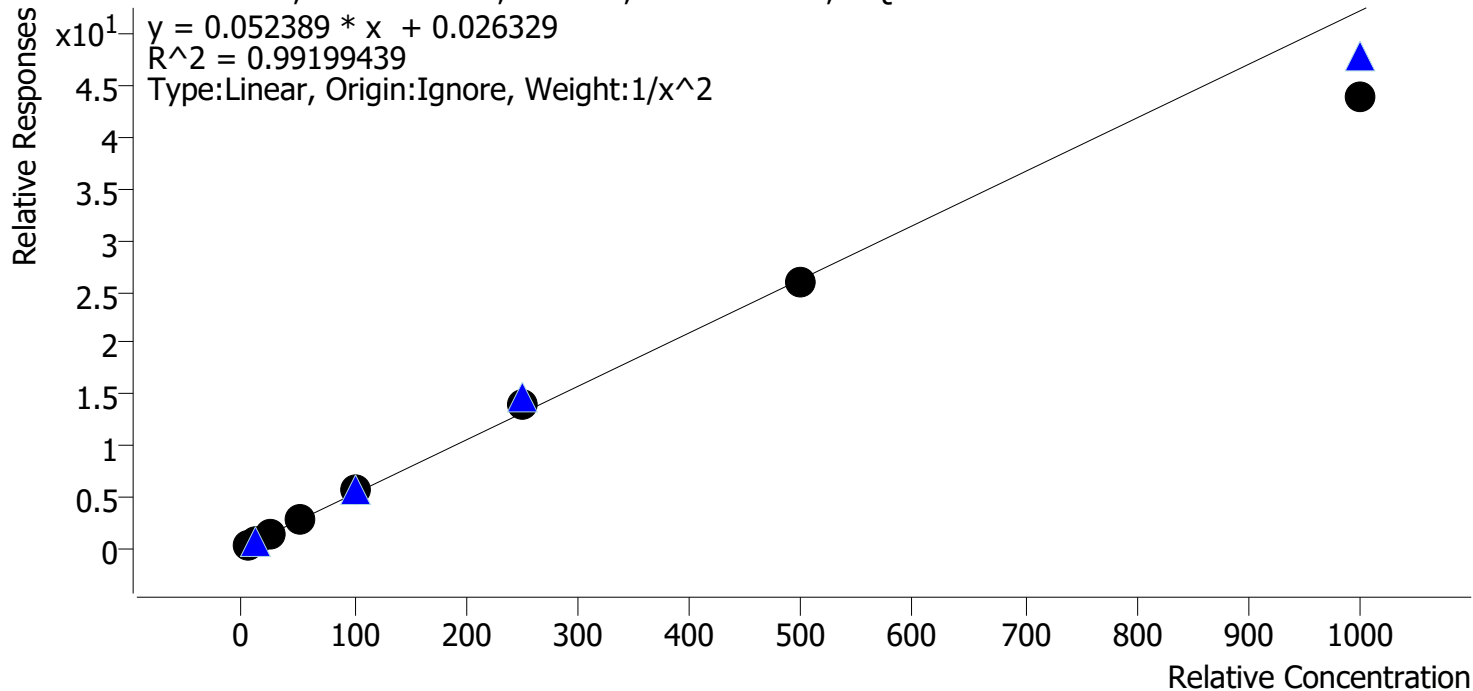
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	266.1	106.4
p1 Cal 7-500ng	7	✓	500.0	495.4	99.1
p1 Cal 8-1000ng	8	✓	1000.0	838.7	83.9

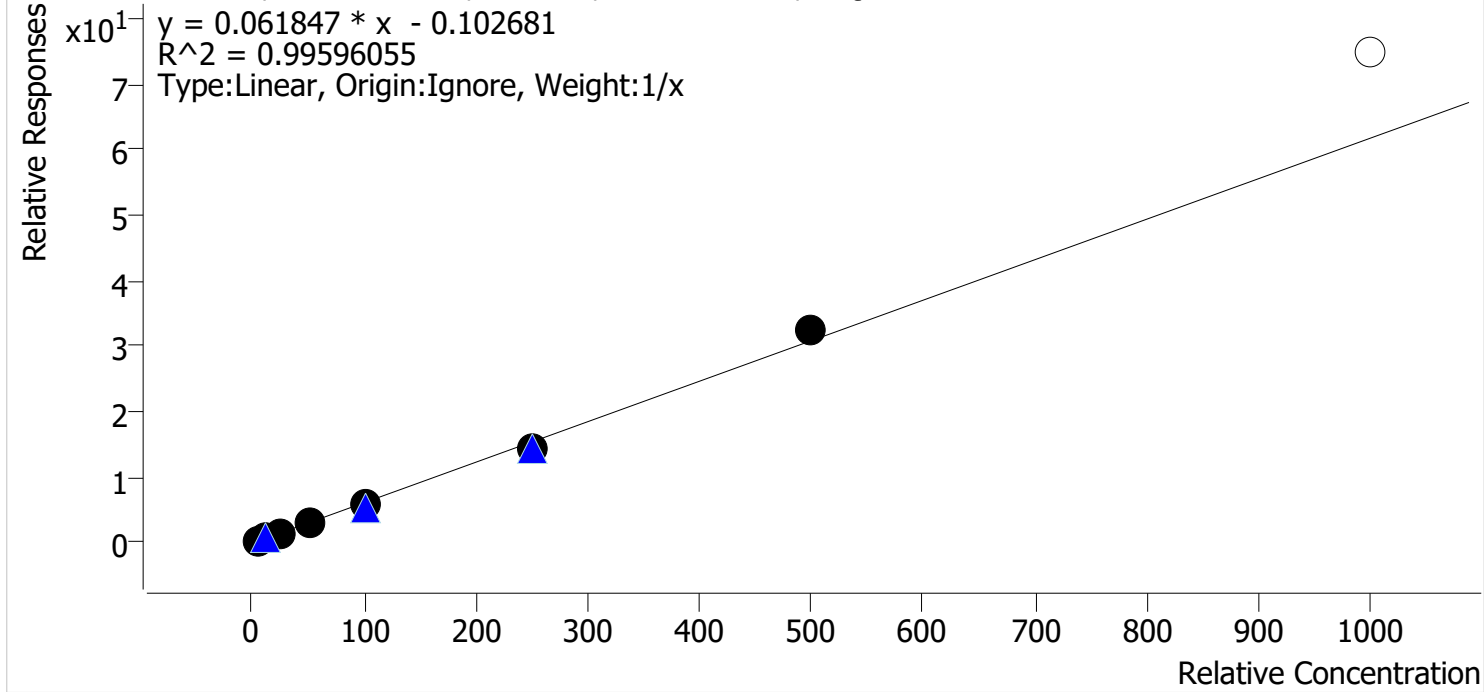
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.1	121.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.1
p1 Cal 4-50ng	4	✓	50.0	46.4	92.8
p1 Cal 5-100ng	5	✓	100.0	91.6	91.6
p1 Cal 6-250ng	6	✓	250.0	237.6	95.1
p1 Cal 7-500ng	7	✓	500.0	525.2	105.0
p1 Cal 8-1000ng	8	x	1000.0	1211.5	121.2

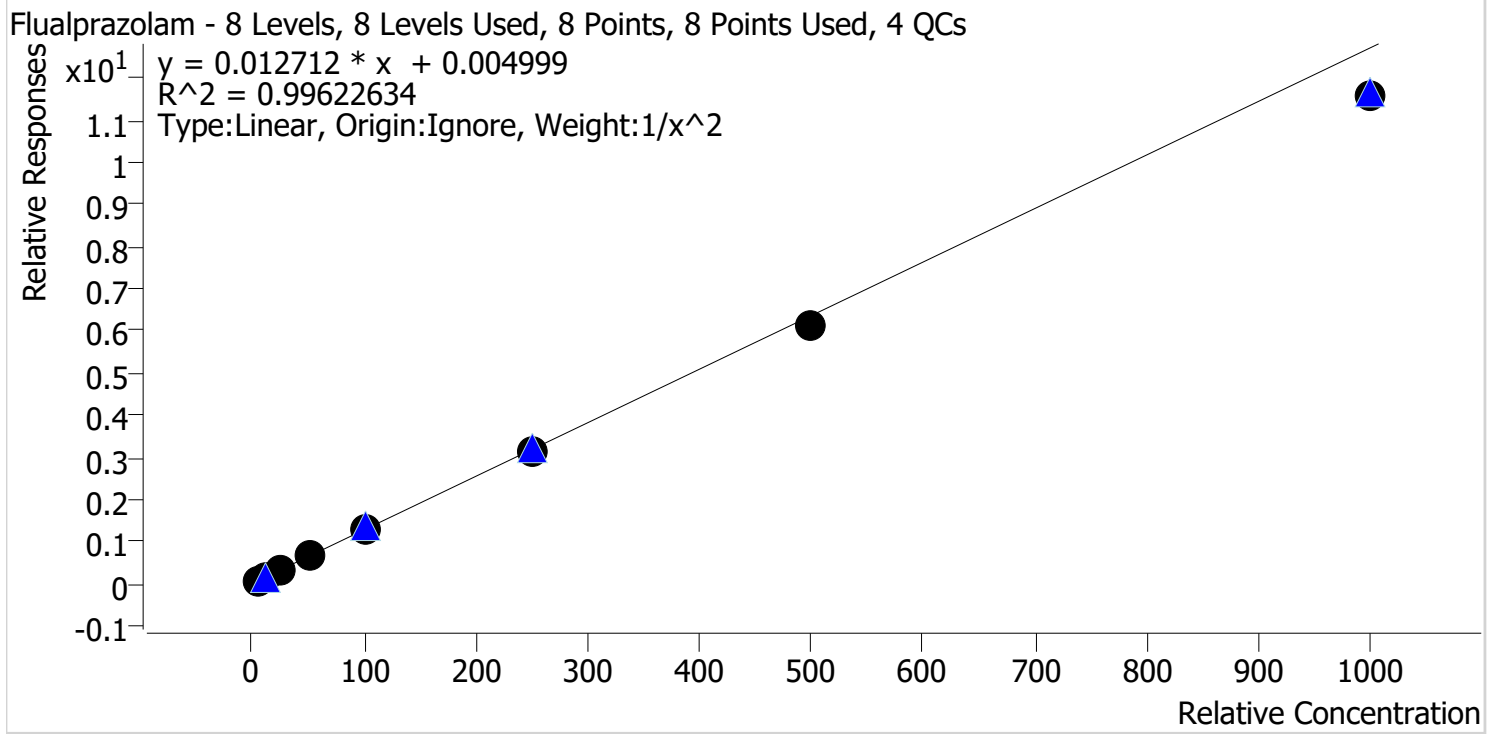
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	482.3	96.5
p1 Cal 8-1000ng	8	✓	1000.0	914.1	91.4

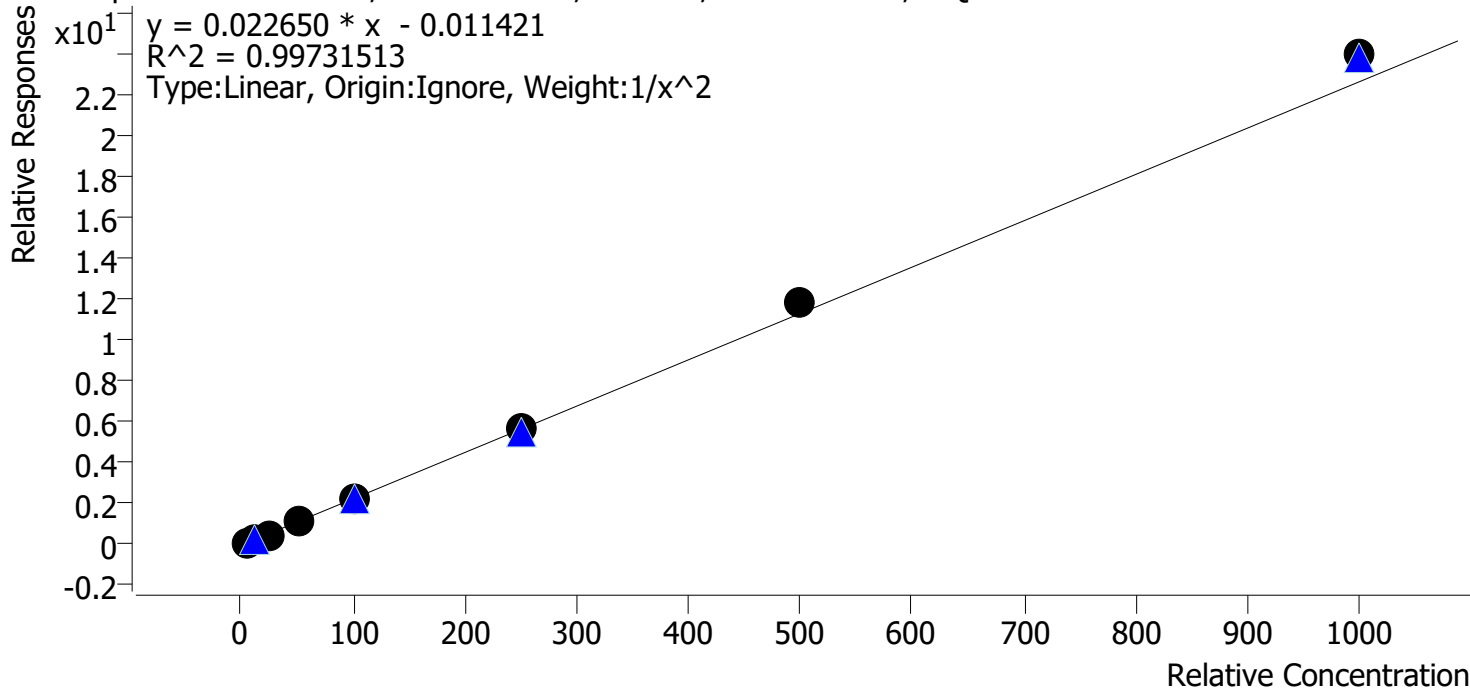
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	522.5	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1058.8	105.9

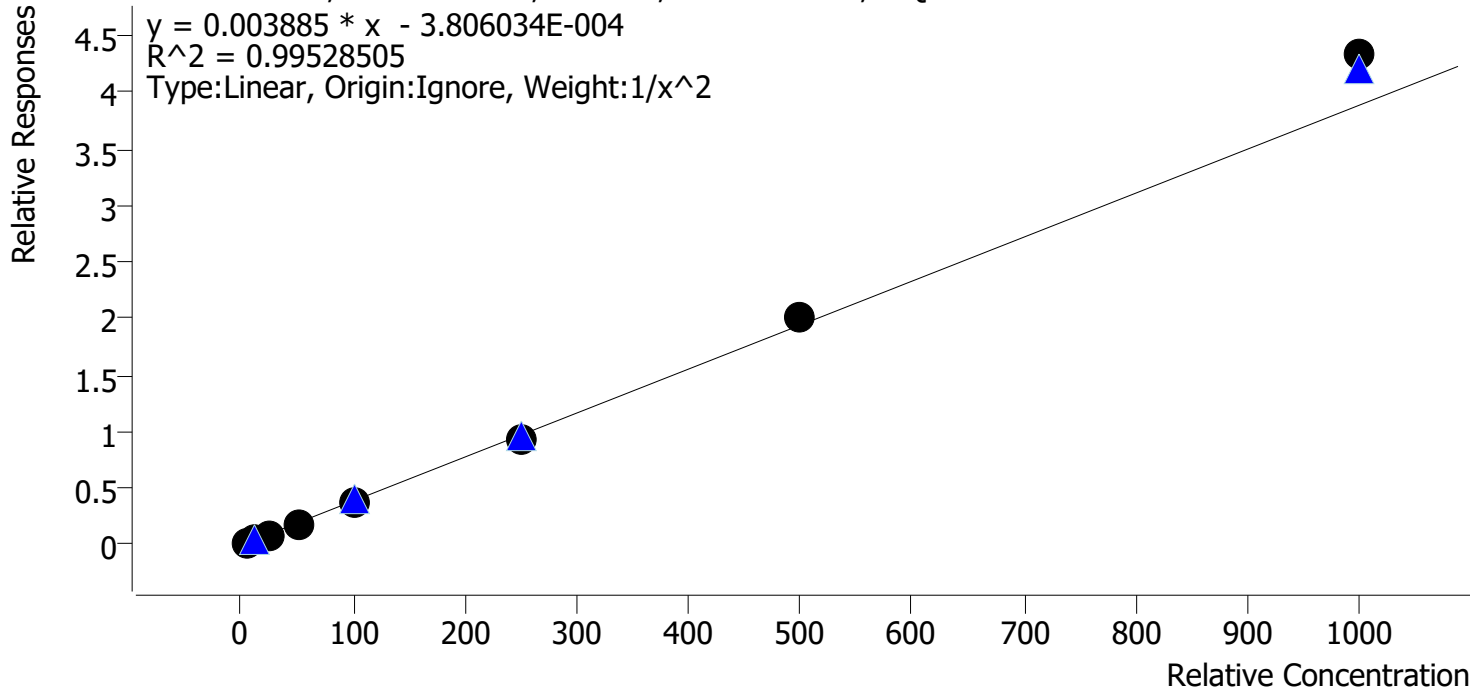
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.3
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	239.4	95.8
p1 Cal 7-500ng	7	✓	500.0	515.7	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1115.2	111.5

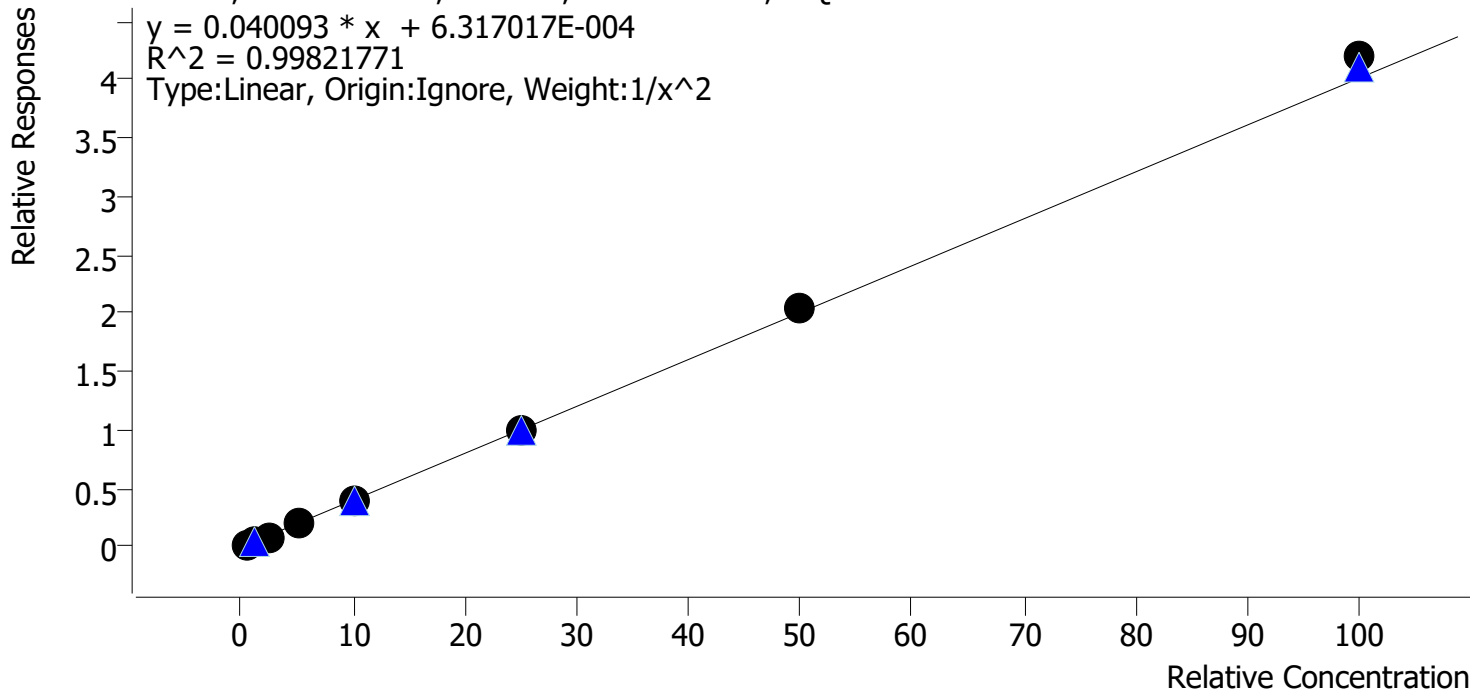
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.1
p1 Cal 2-10ng	2	✓	1.0	1.0	102.9
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.1
p1 Cal 4-50ng	4	✓	5.0	5.0	99.6
p1 Cal 5-100ng	5	✓	10.0	10.0	99.6
p1 Cal 6-250ng	6	✓	25.0	24.9	99.6
p1 Cal 7-500ng	7	✓	50.0	50.7	101.4
p1 Cal 8-1000ng	8	✓	100.0	104.6	104.6

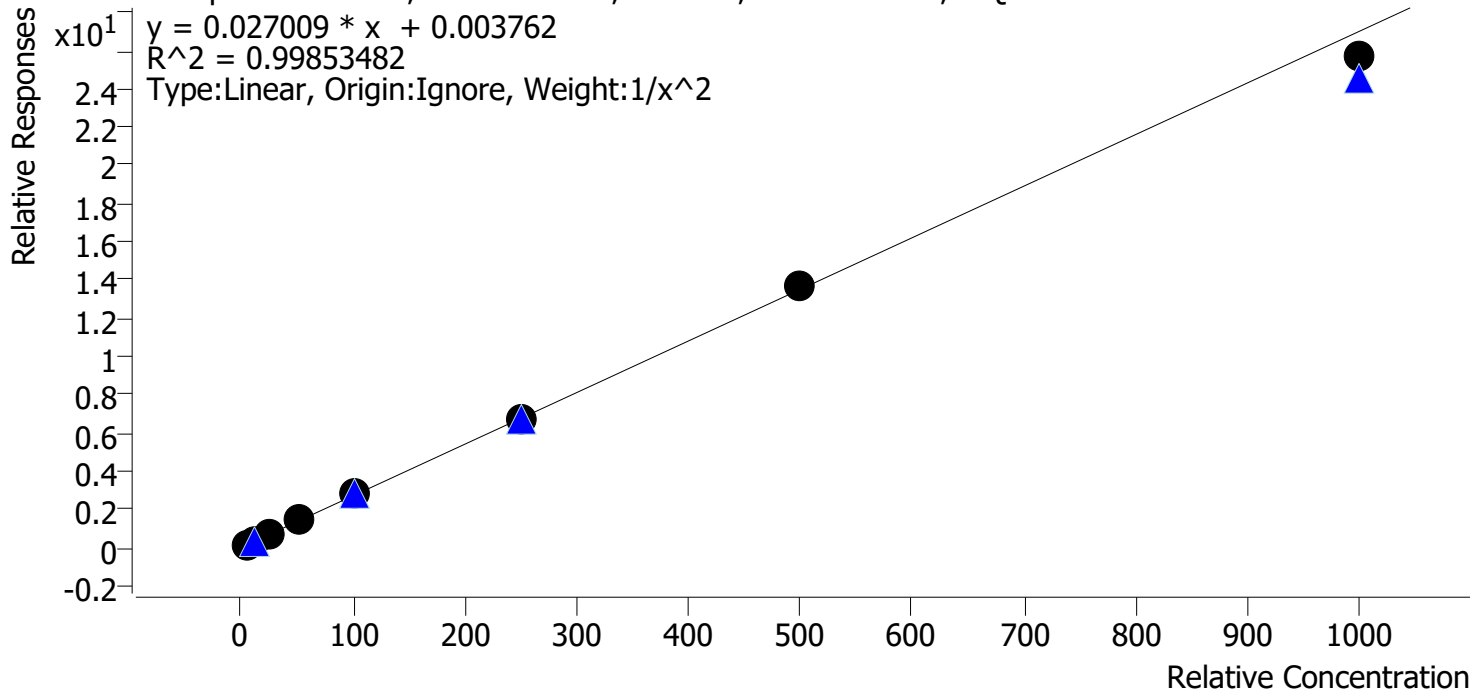
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	52.8	105.5
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	504.0	100.8
p1 Cal 8-1000ng	8	✓	1000.0	951.1	95.1

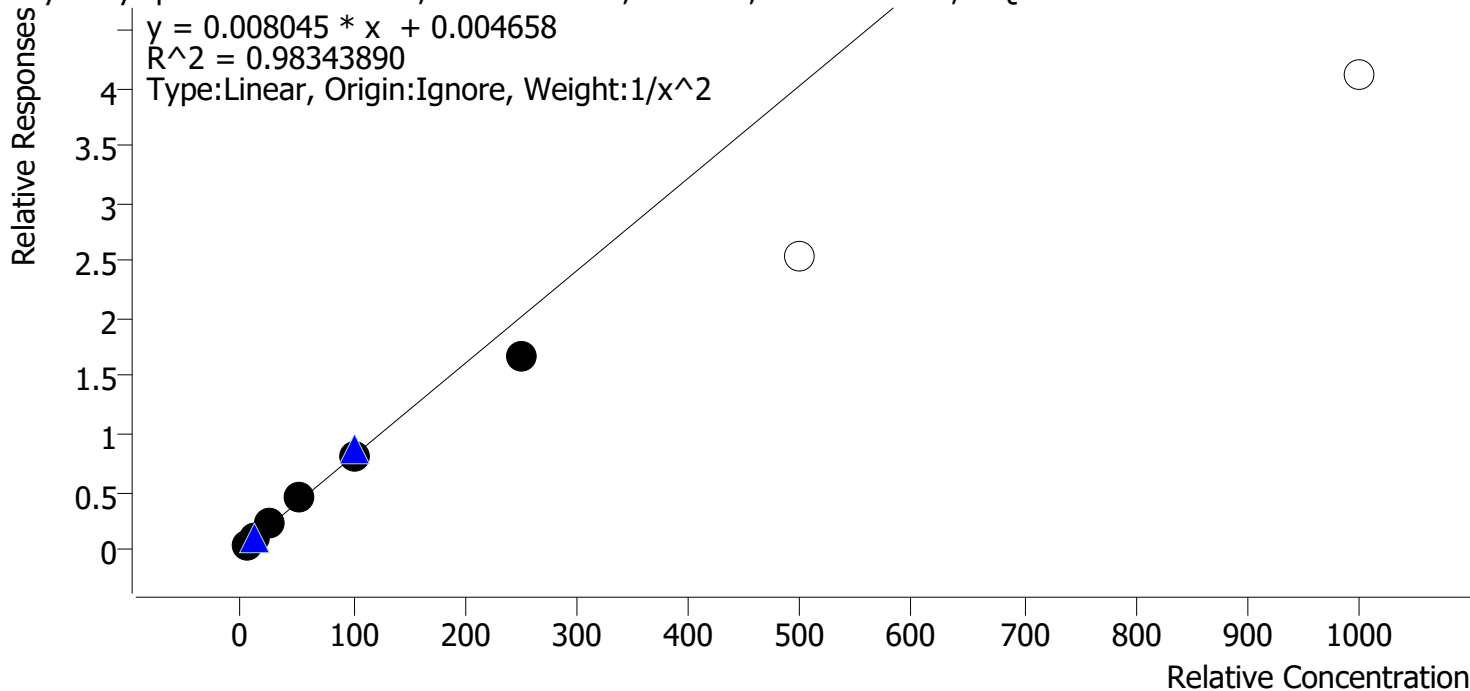
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.5	105.0
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	56.9	113.8
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	206.6	82.6
p1 Cal 7-500ng	7	x	500.0	317.4	63.5
p1 Cal 8-1000ng	8	x	1000.0	513.1	51.3

Calibrators 7 and 8 dropped due to not meeting accuracy requirement

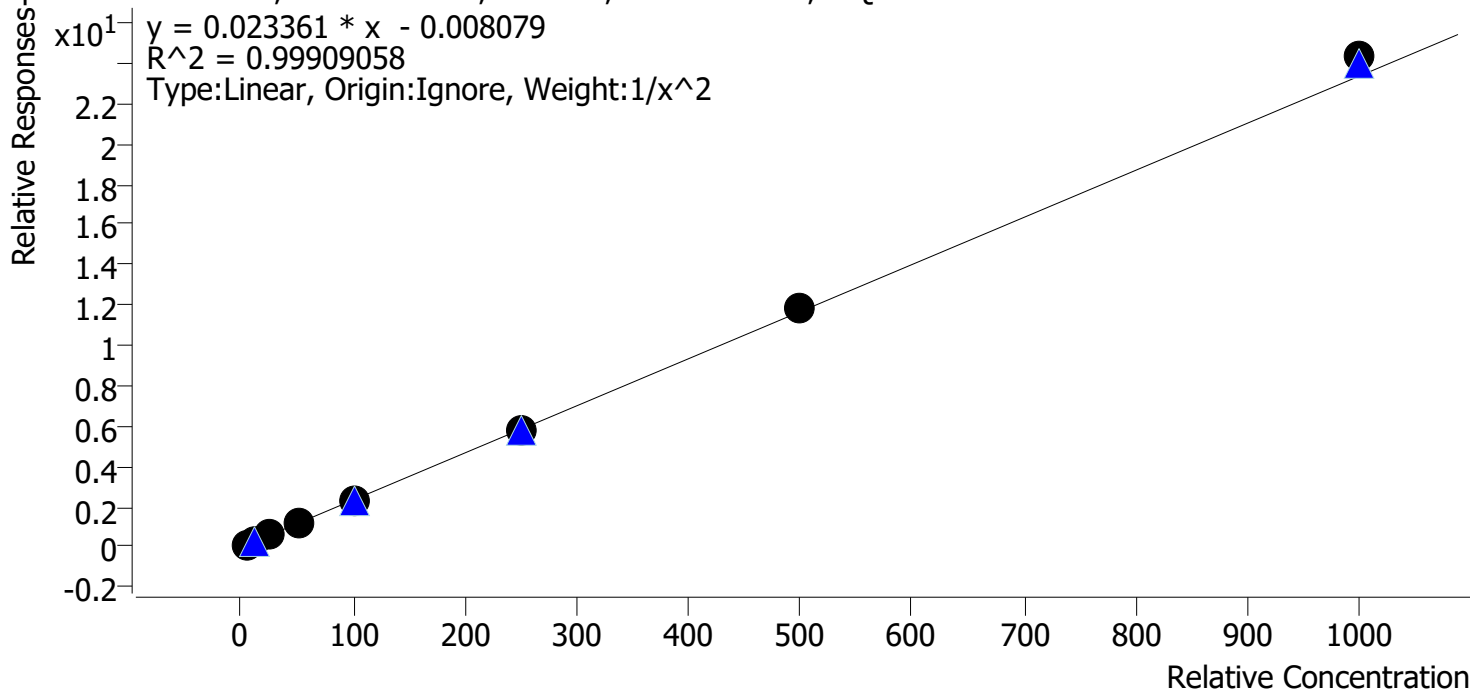
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	506.3	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1041.5	104.1

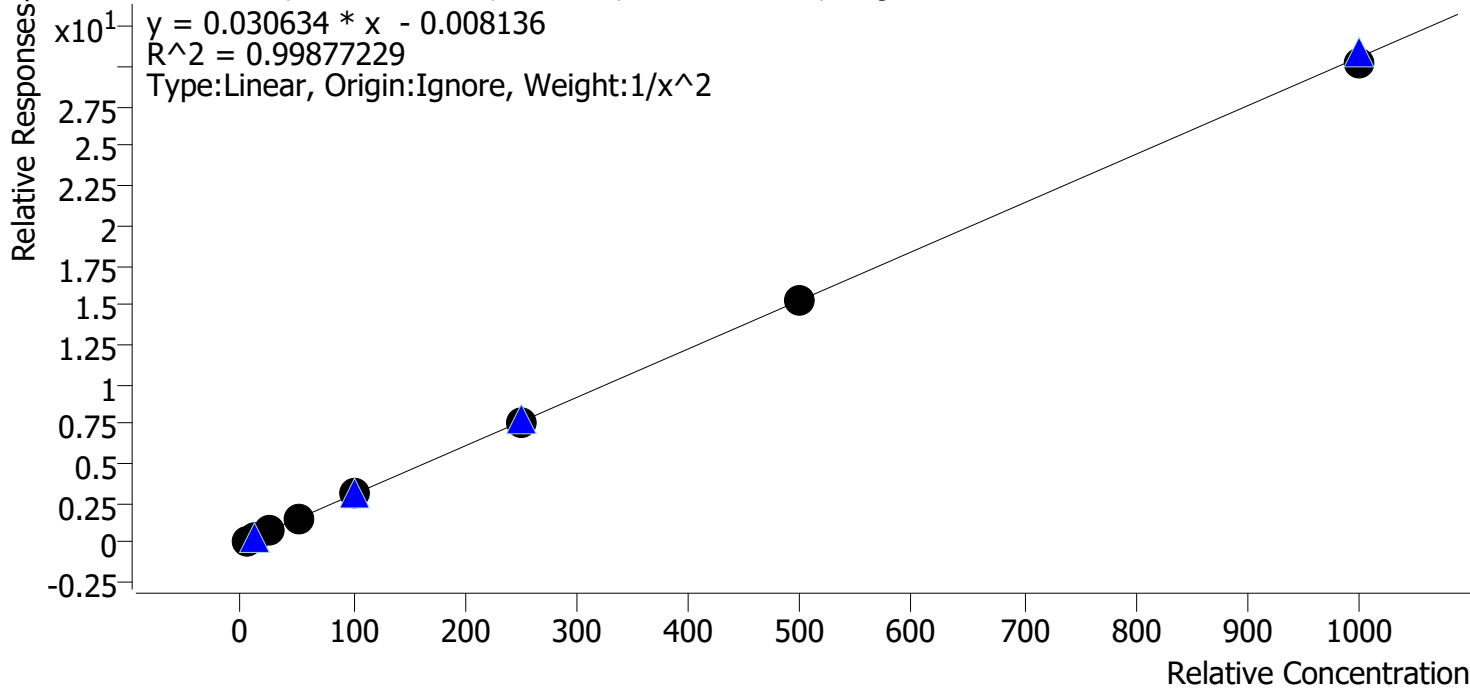
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	497.6	99.5
p1 Cal 8-1000ng	8	✓	1000.0	991.3	99.1

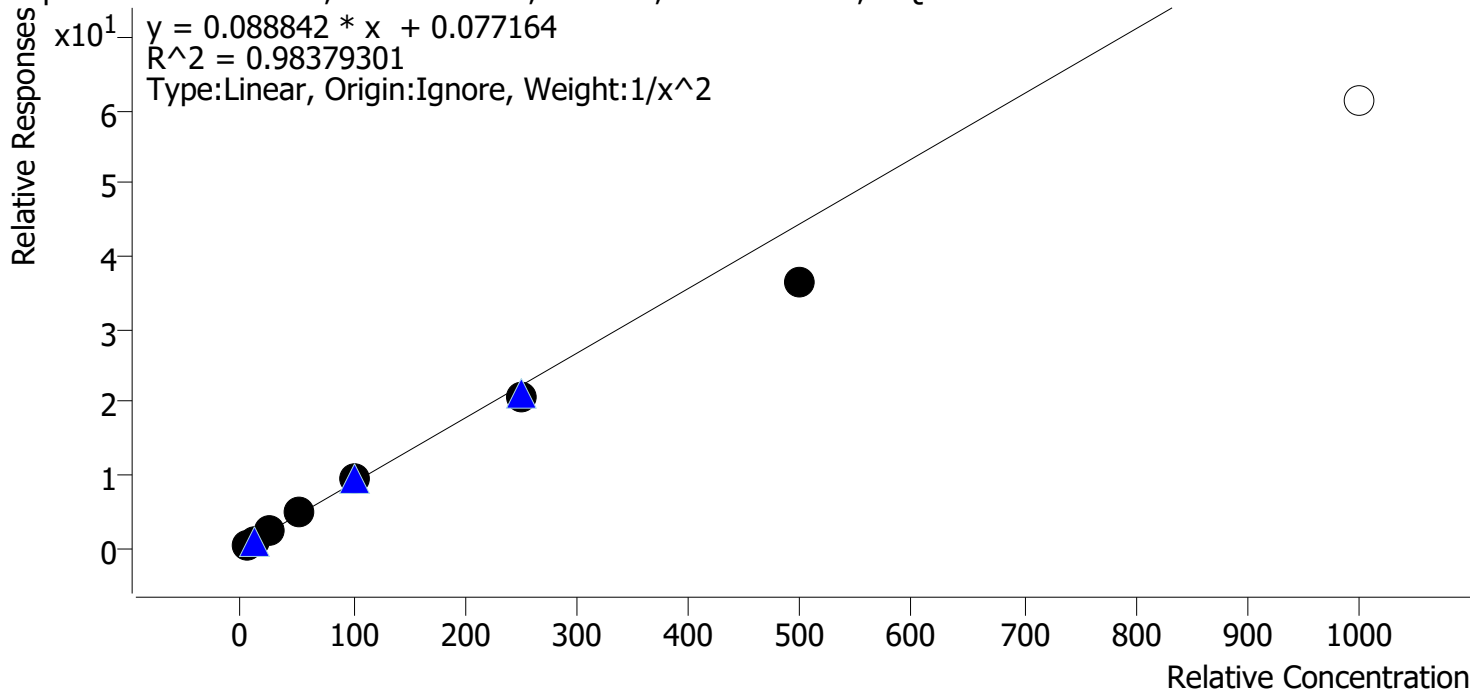
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	57.1	114.2
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	232.2	92.9
p1 Cal 7-500ng	7	✓	500.0	407.0	81.4
p1 Cal 8-1000ng	8	✗	1000.0	691.4	69.1

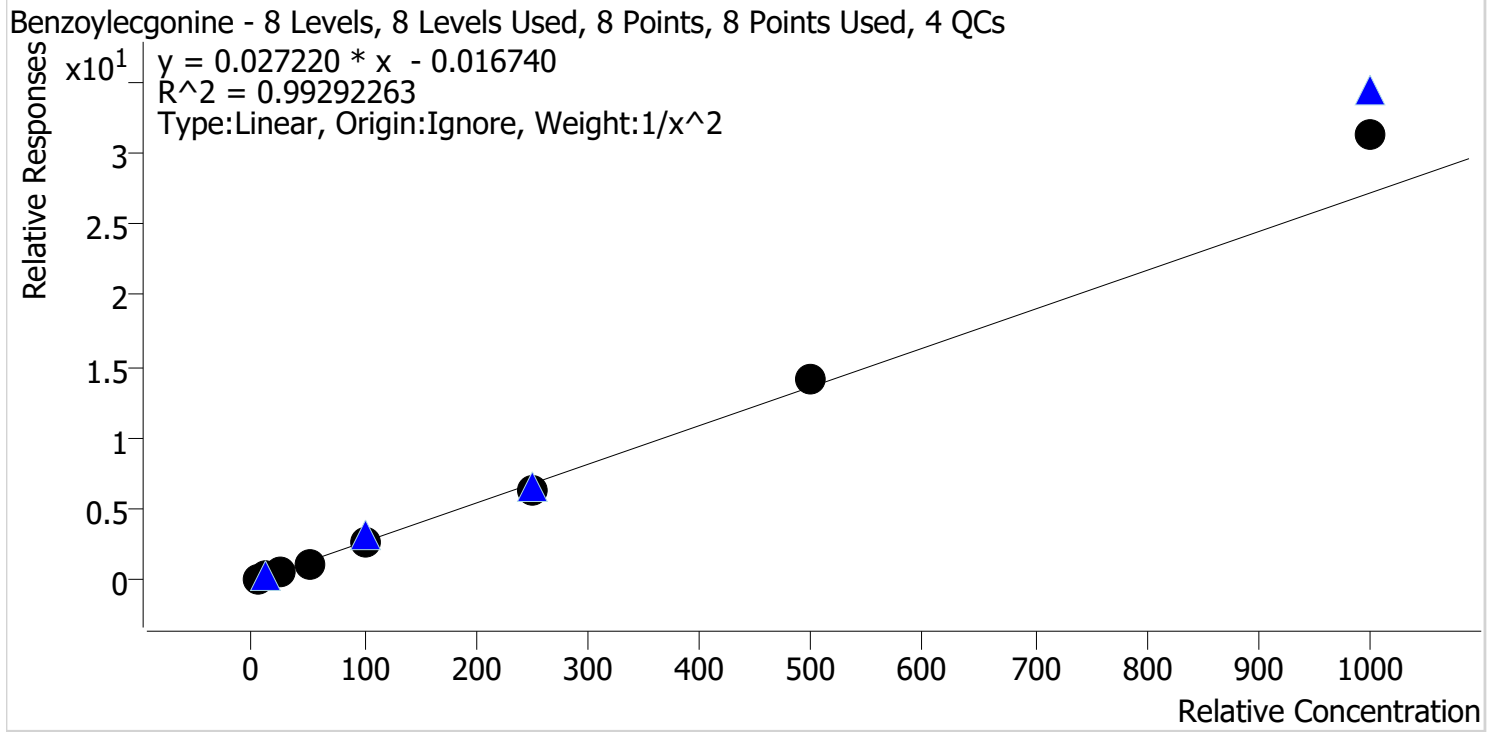
Calibrator 8 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	46.1	92.3
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	233.5	93.4
p1 Cal 7-500ng	7	✓	500.0	522.6	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1147.8	114.8

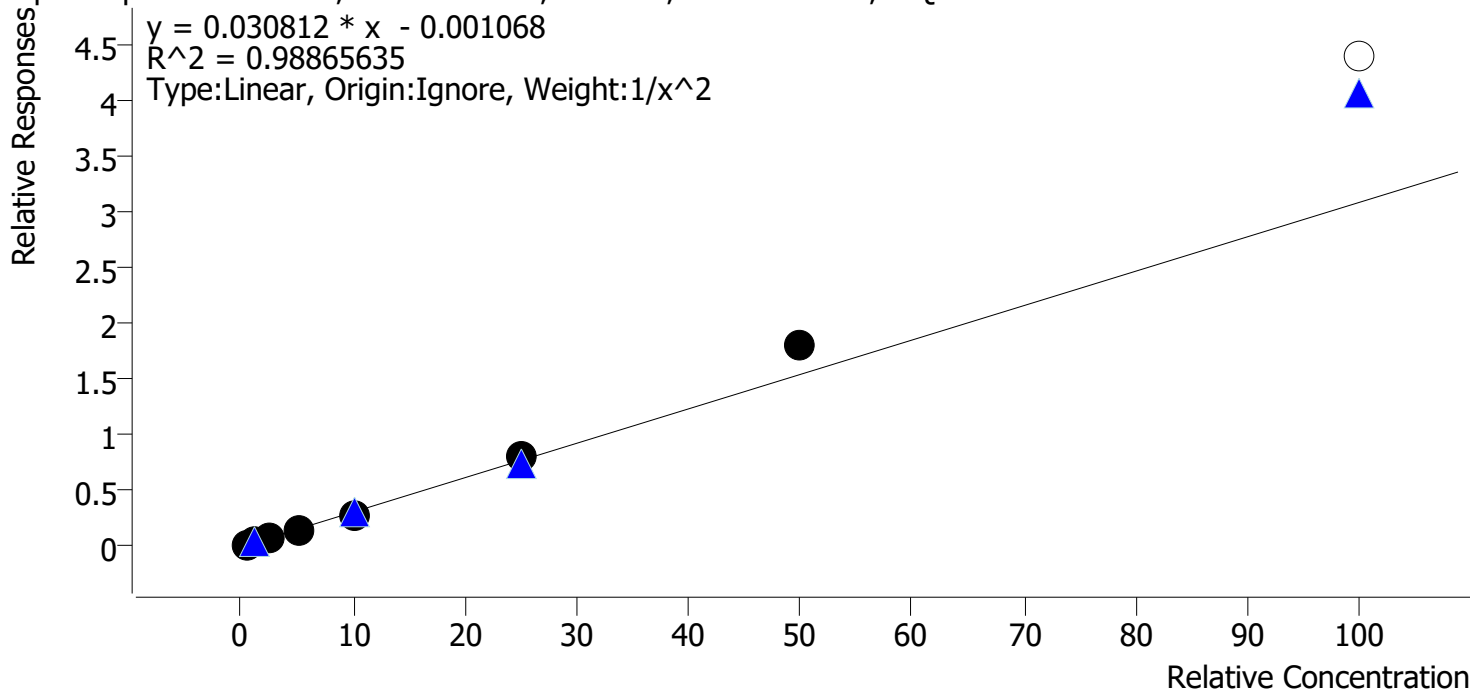
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.6
p1 Cal 2-10ng	2	✓	1.0	1.0	97.0
p1 Cal 3 -25ng	3	✓	2.5	2.3	94.0
p1 Cal 4-50ng	4	✓	5.0	4.6	93.0
p1 Cal 5-100ng	5	✓	10.0	9.1	91.4
p1 Cal 6-250ng	6	✓	25.0	26.0	103.9
p1 Cal 7-500ng	7	✓	50.0	58.6	117.2
p1 Cal 8-1000ng	8	✗	100.0	142.4	142.4

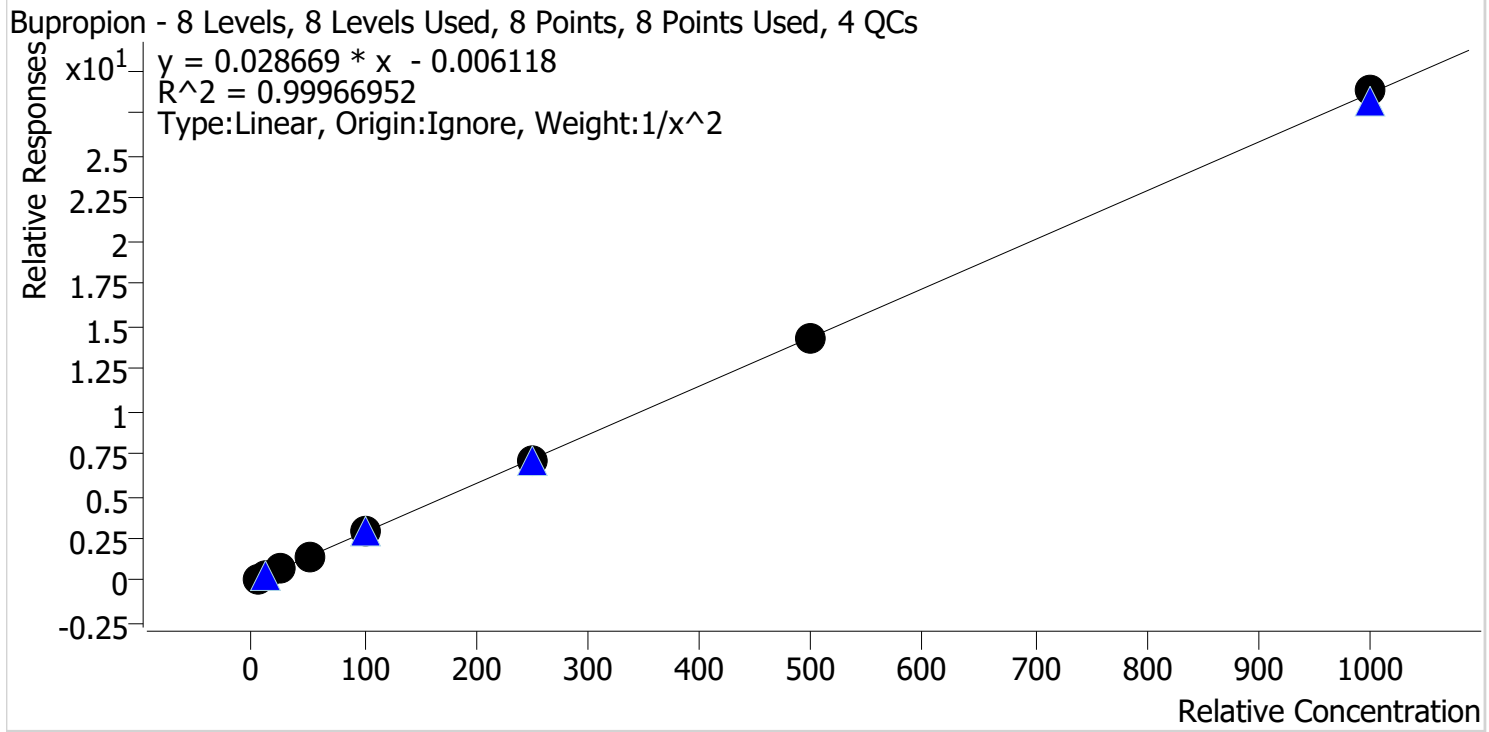
Calibrator 8 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



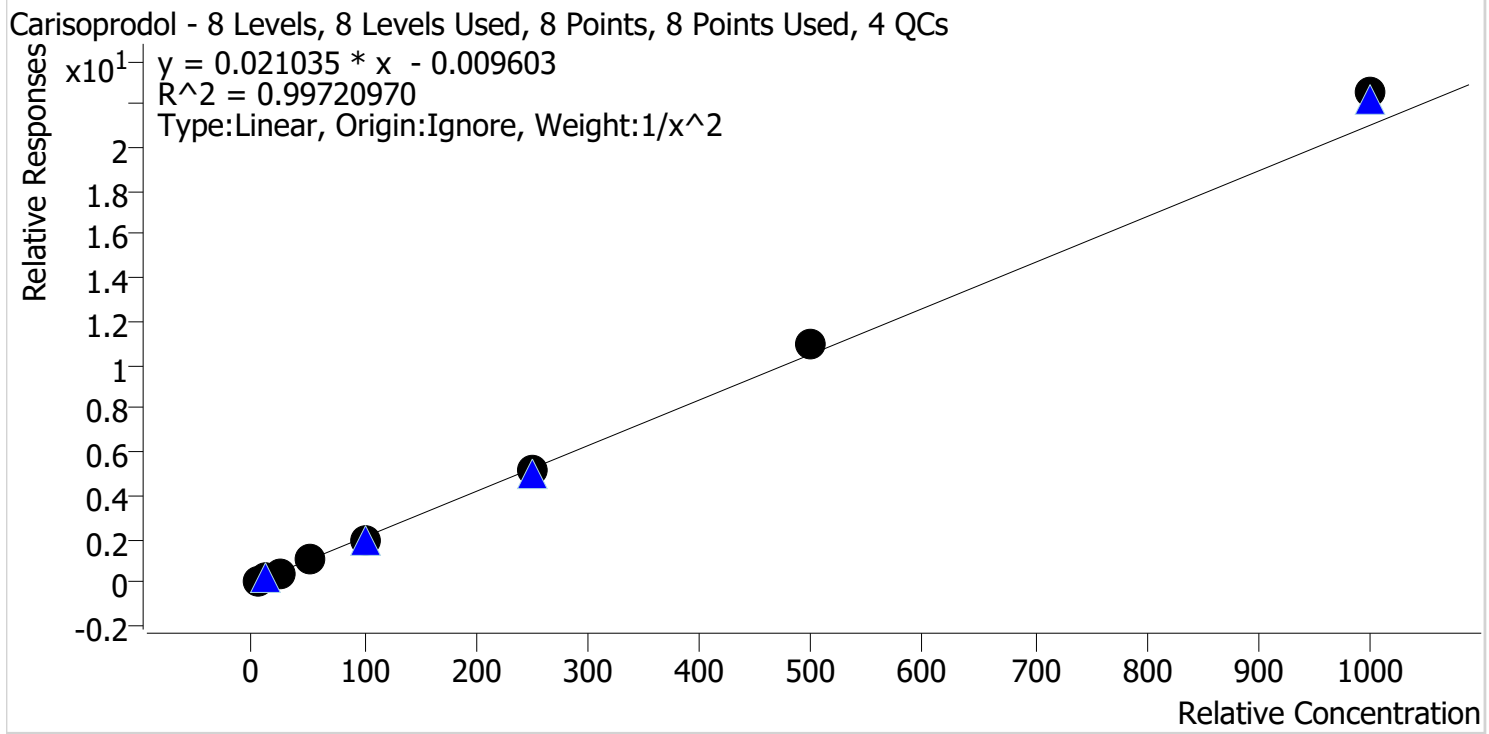
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	250.1	100.0
p1 Cal 7-500ng	7	✓	500.0	497.0	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1005.7	100.6

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 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	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	520.4	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1071.2	107.1

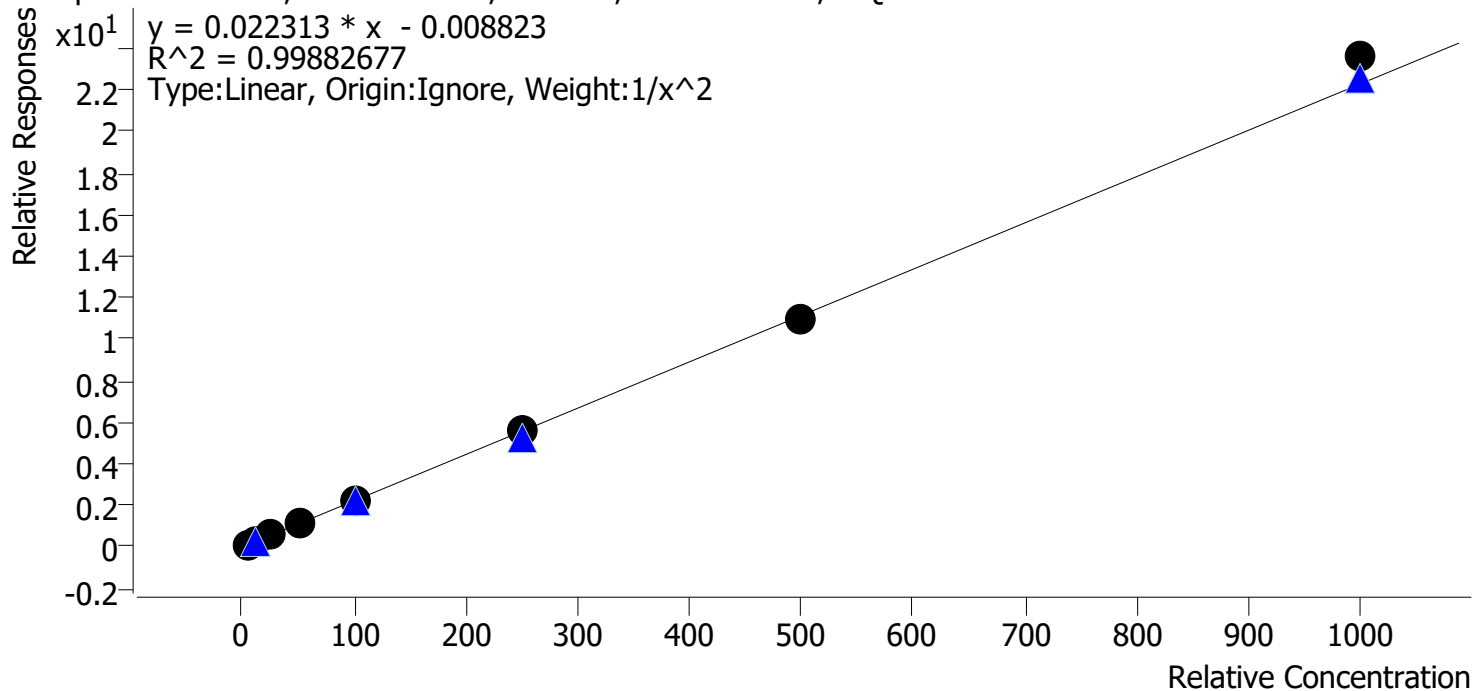
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



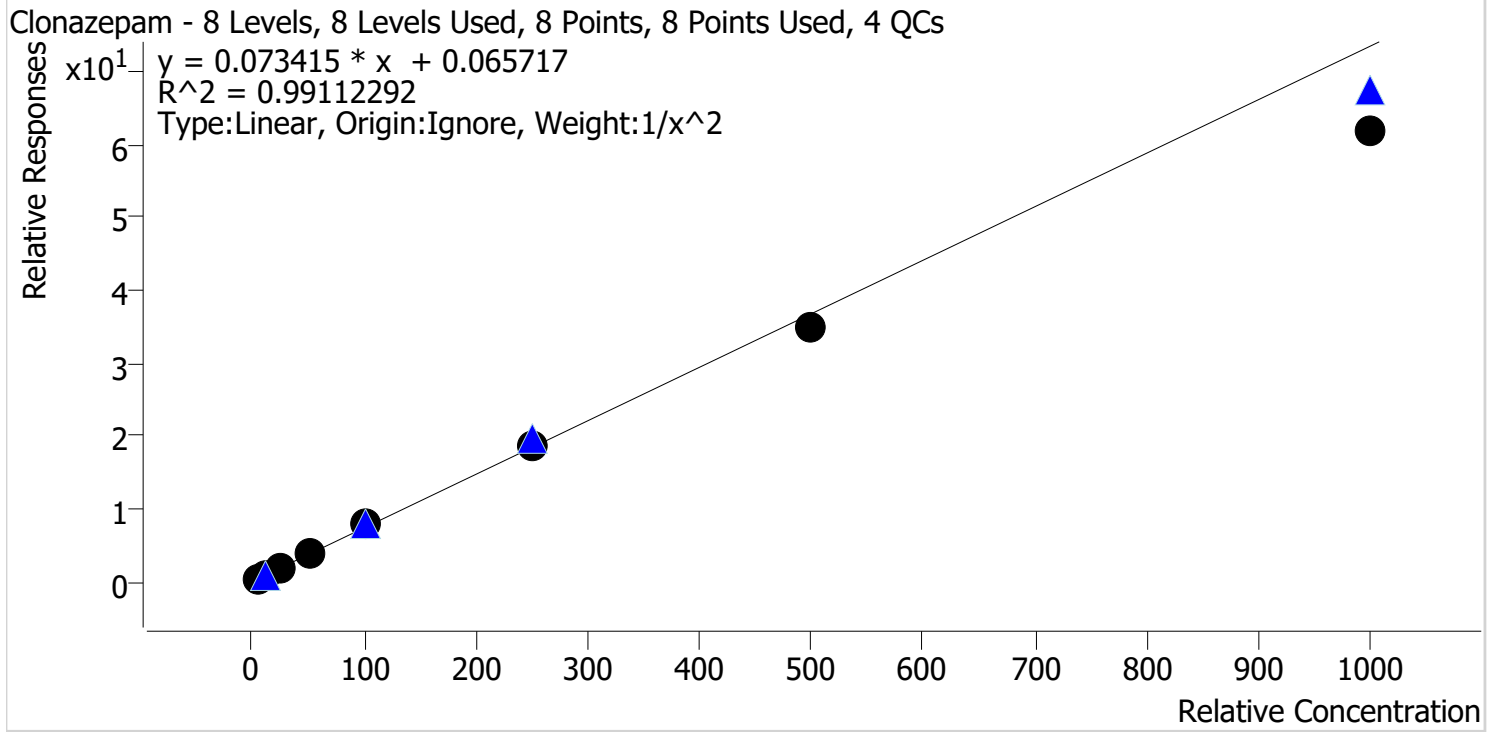
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	495.1	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1059.1	105.9

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 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	97.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	55.1	110.3
p1 Cal 5-100ng	5	✓	100.0	108.1	108.1
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	473.4	94.7
p1 Cal 8-1000ng	8	✓	1000.0	841.4	84.1

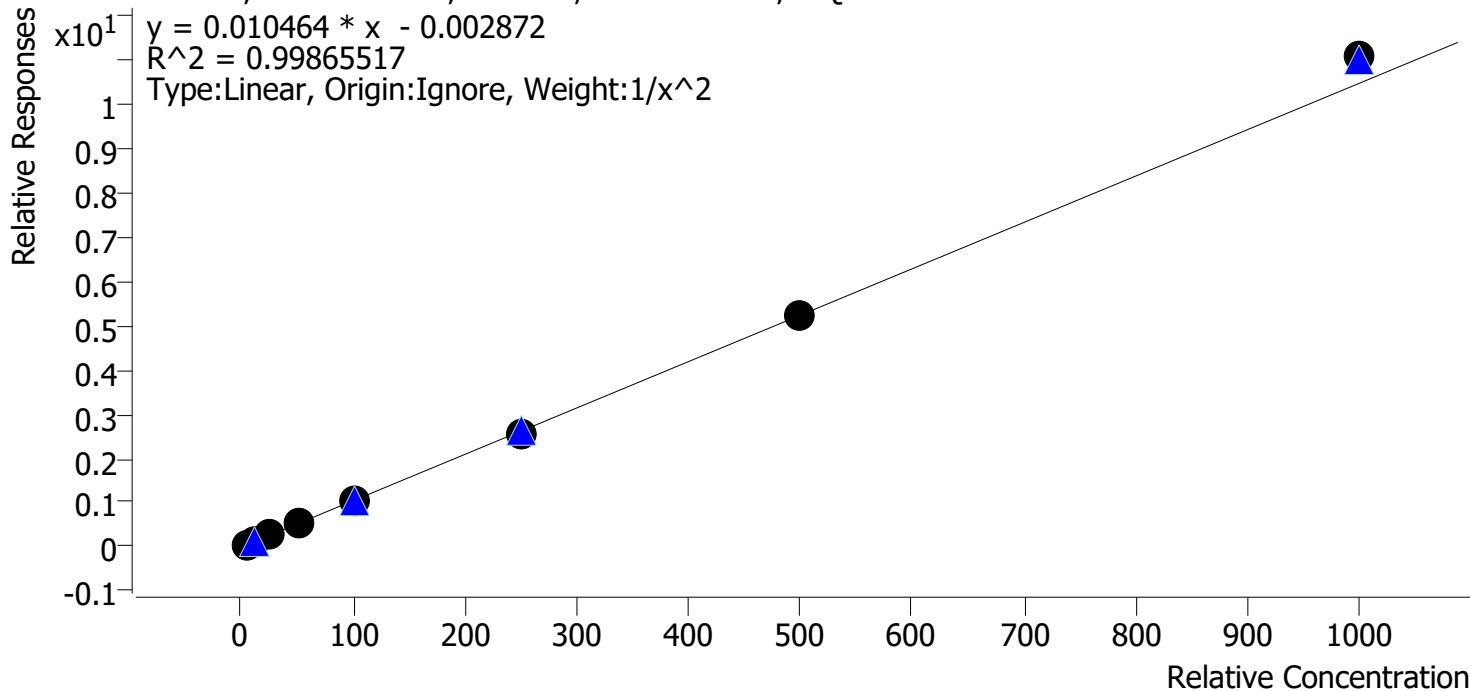
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	502.8	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1057.6	105.8

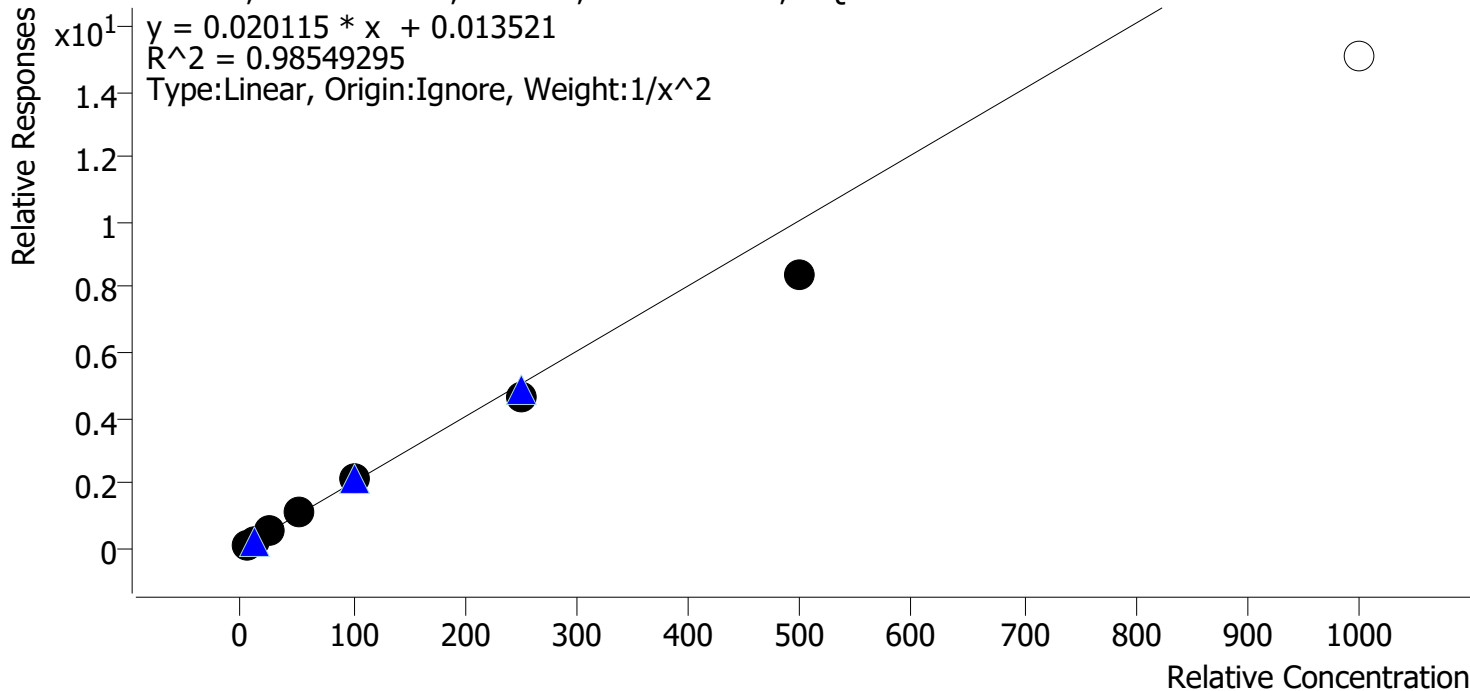
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	57.4	114.8
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	229.2	91.7
p1 Cal 7-500ng	7	✓	500.0	418.9	83.8
p1 Cal 8-1000ng	8	✗	1000.0	749.3	74.9

Calibrator 8 dropped due to not meeting accuracy requirement

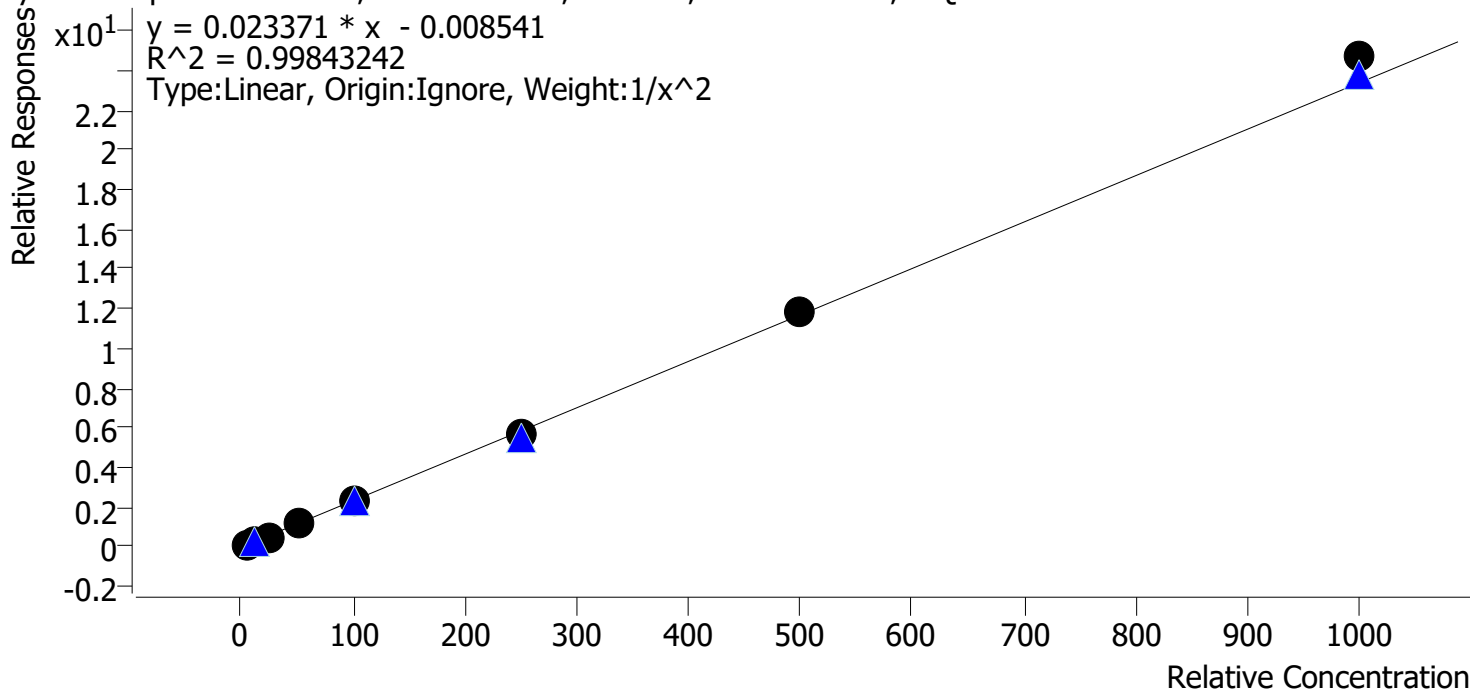
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



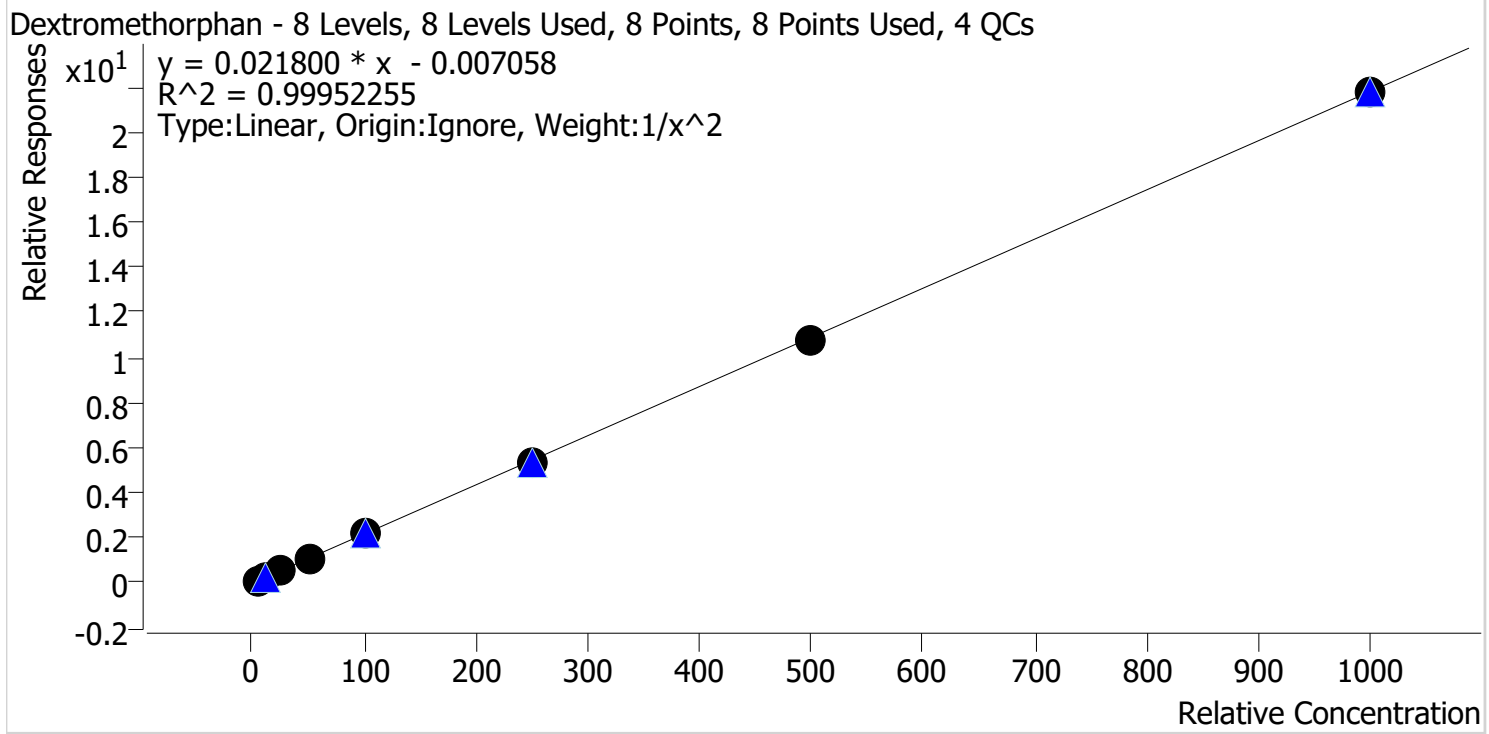
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	503.1	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1056.5	105.7

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	51.9	103.9
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	497.2	99.4
p1 Cal 8-1000ng	8	✓	1000.0	997.7	99.8

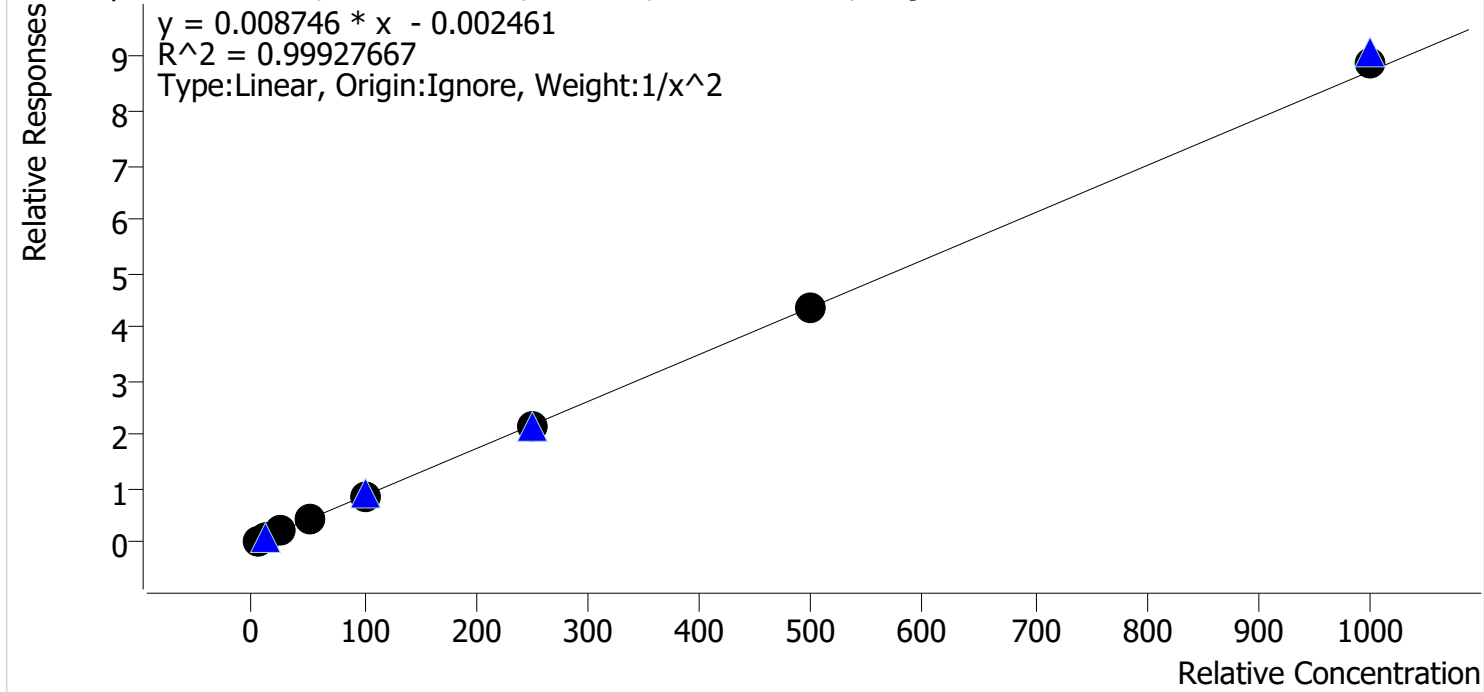
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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



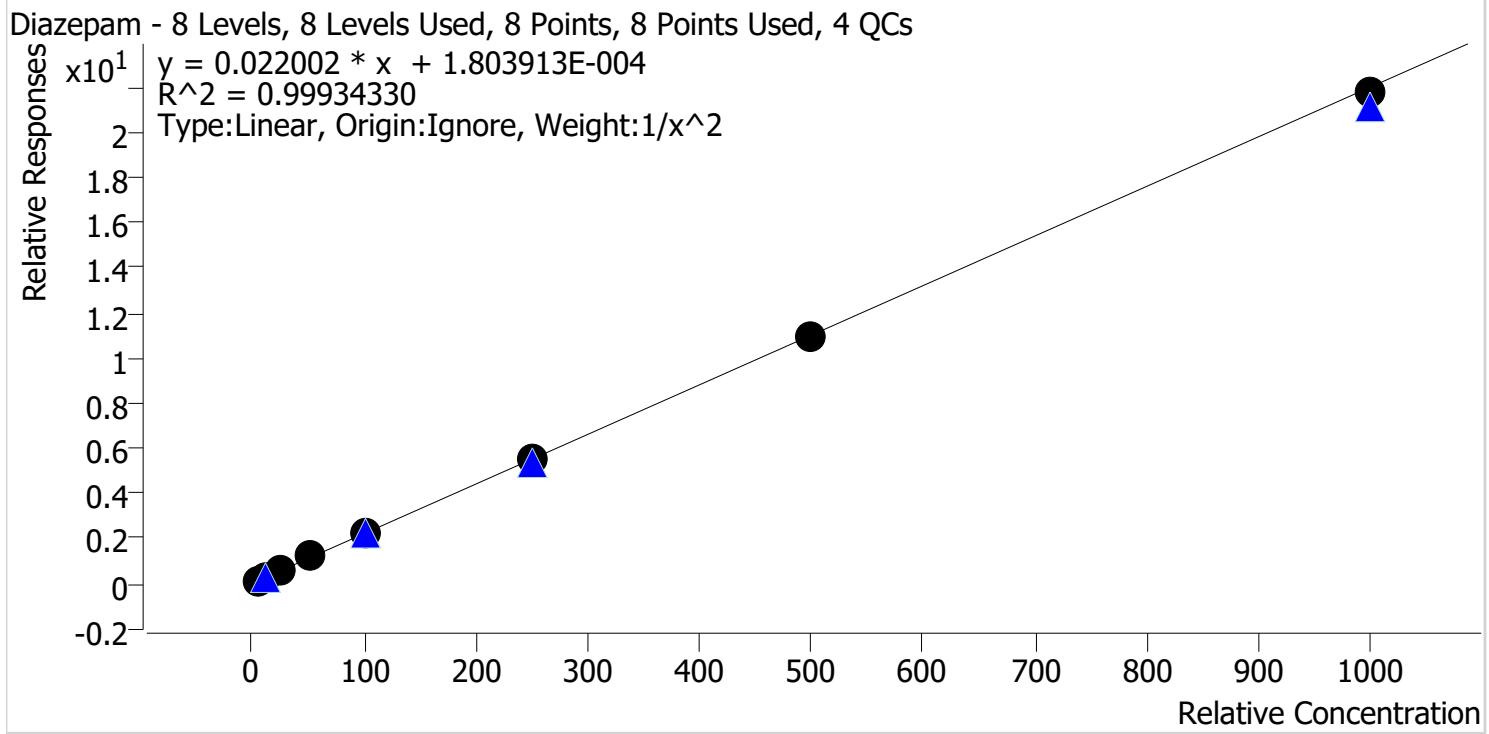
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	496.9	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1015.3	101.5

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	52.6	105.3
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✓	1000.0	989.1	98.9

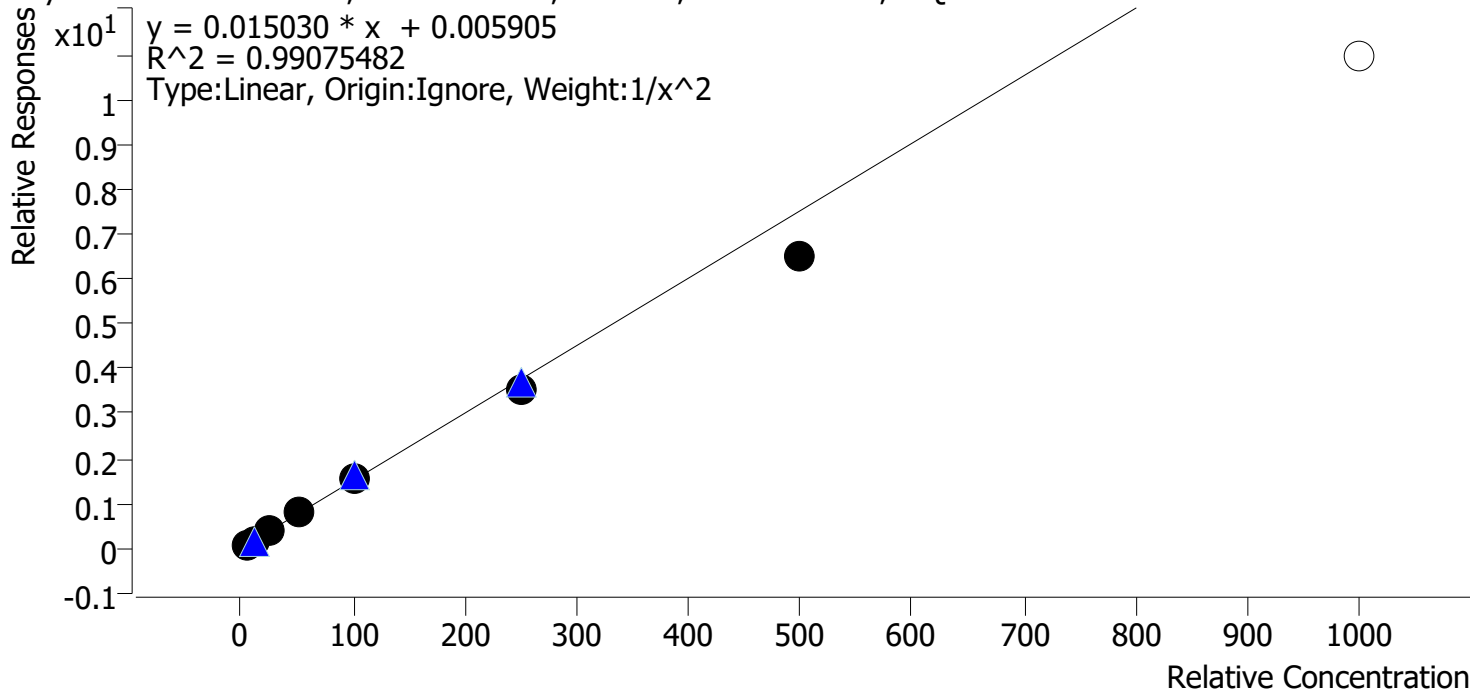
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	55.7	111.5
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	237.4	95.0
p1 Cal 7-500ng	7	✓	500.0	430.6	86.1
p1 Cal 8-1000ng	8	✗	1000.0	728.4	72.8

Calibrator 8 dropped due to not meeting accuracy requirement

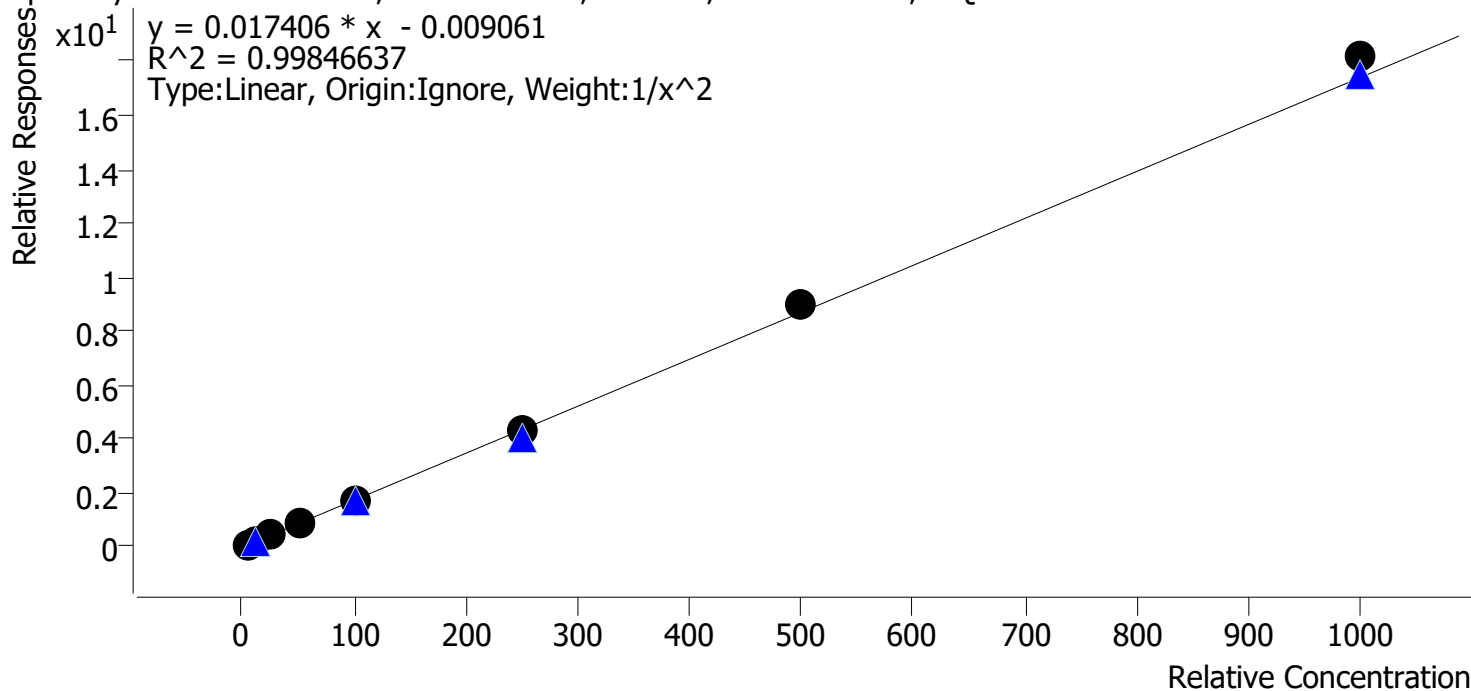
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



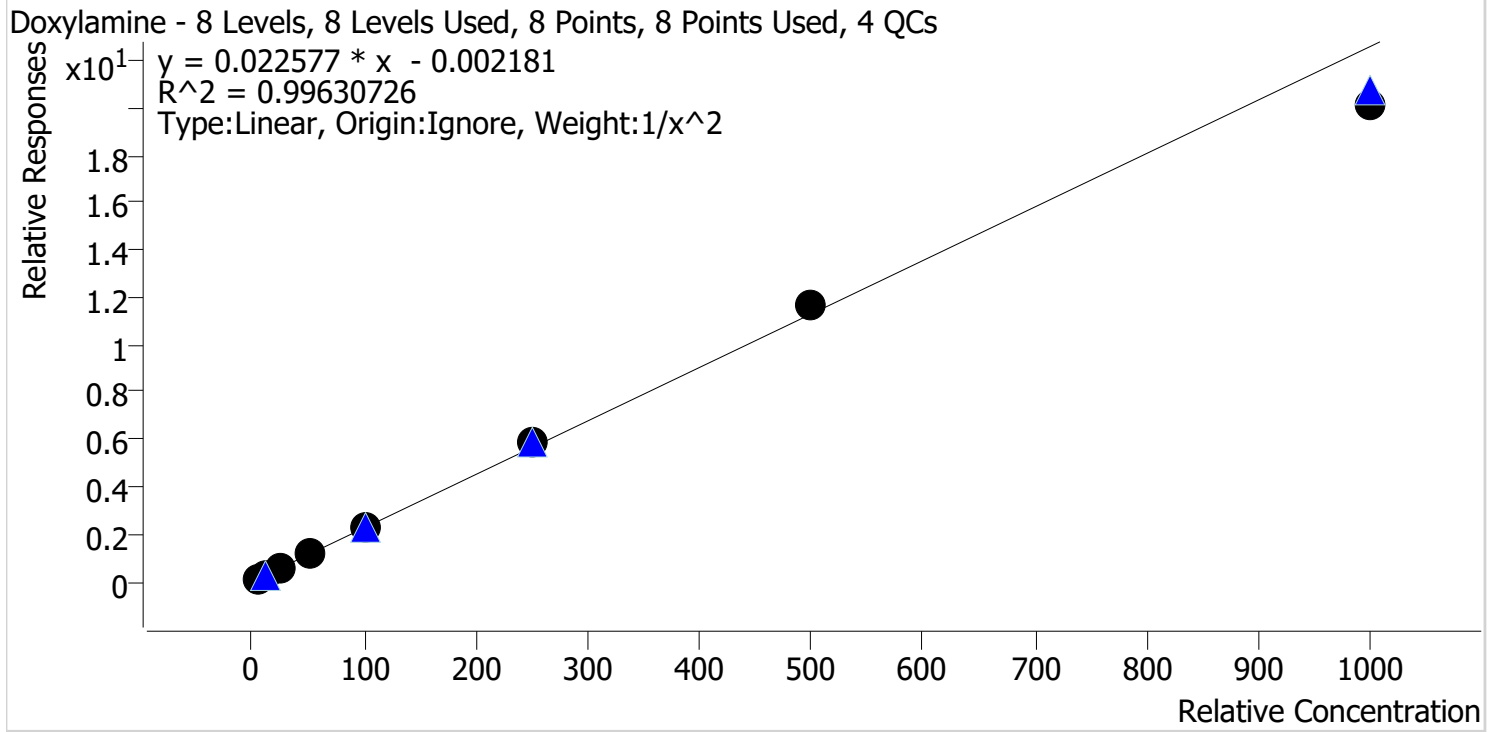
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	519.0	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1044.6	104.5

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	52.8	105.5
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	260.9	104.4
p1 Cal 7-500ng	7	✓	500.0	517.7	103.5
p1 Cal 8-1000ng	8	✓	1000.0	889.4	88.9

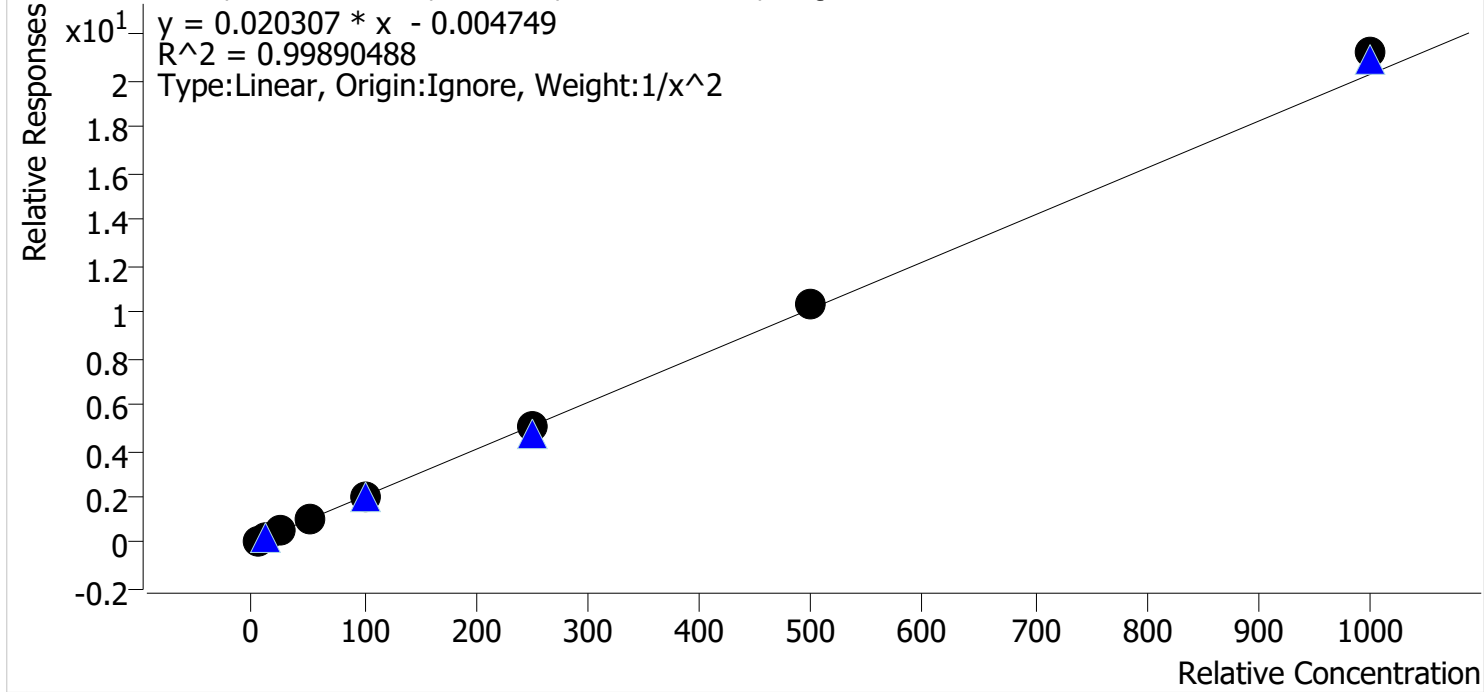
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	511.7	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1046.4	104.6

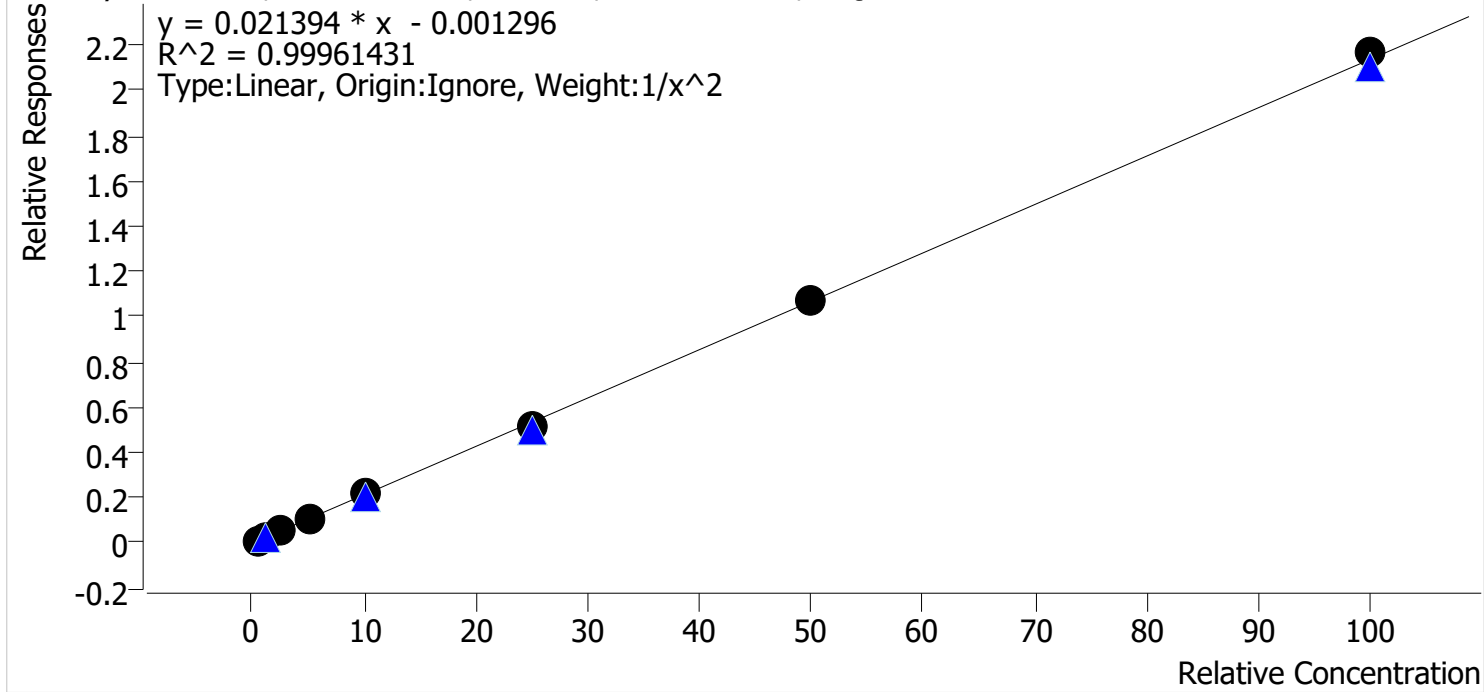
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



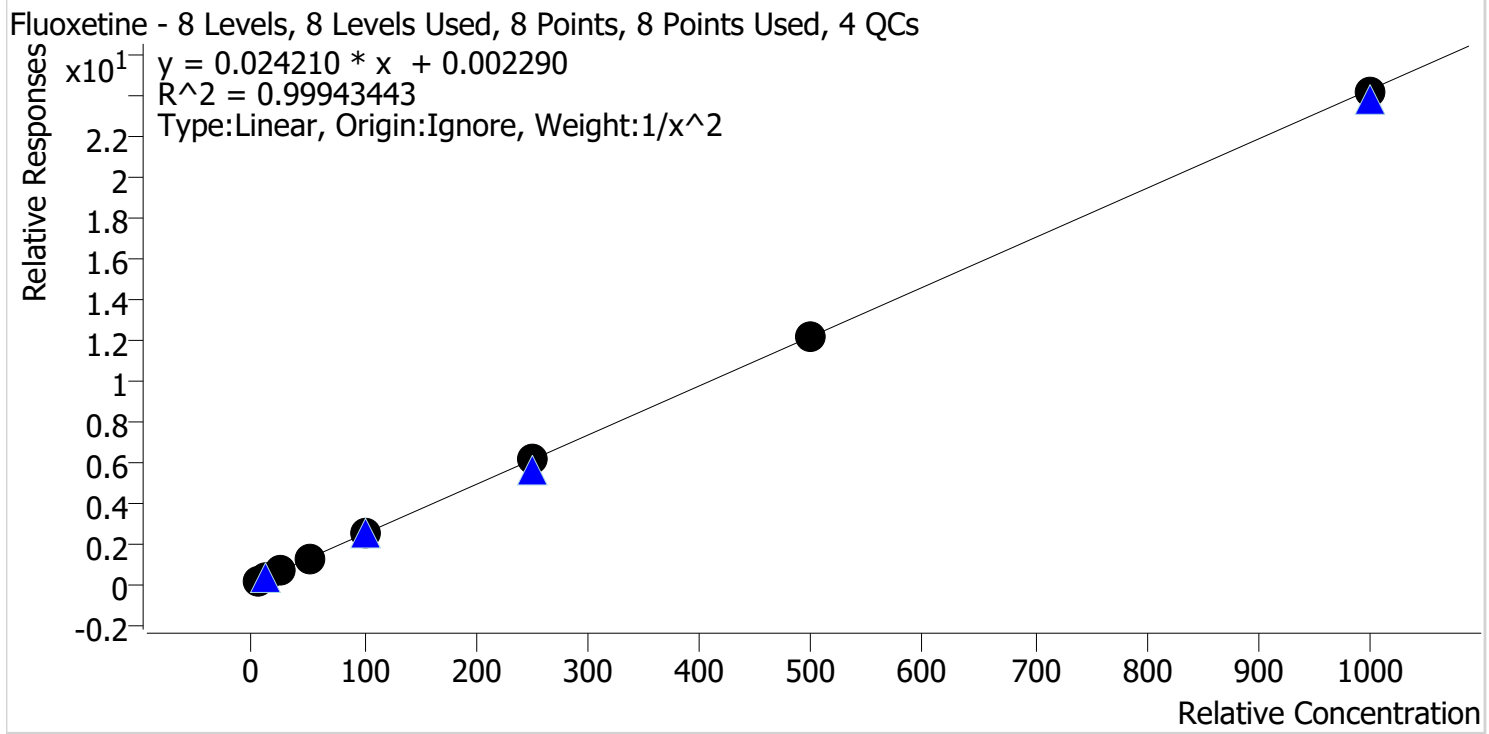
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.8
p1 Cal 2-10ng	2	✓	1.0	1.0	100.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.4
p1 Cal 4-50ng	4	✓	5.0	5.1	102.0
p1 Cal 5-100ng	5	✓	10.0	10.1	100.6
p1 Cal 6-250ng	6	✓	25.0	24.1	96.3
p1 Cal 7-500ng	7	✓	50.0	49.8	99.6
p1 Cal 8-1000ng	8	✓	100.0	101.4	101.4

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	994.1	99.4

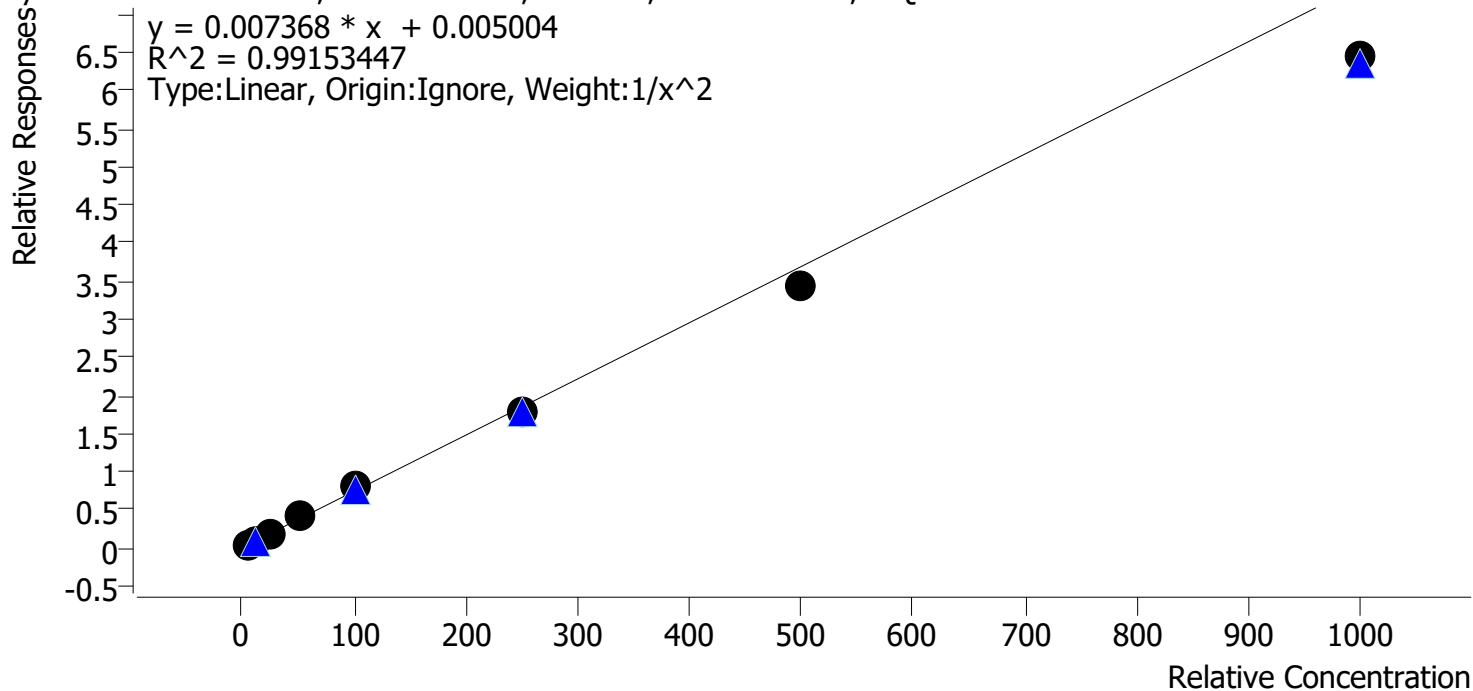
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.8
p1 Cal 4-50ng	4	✓	50.0	55.7	111.4
p1 Cal 5-100ng	5	✓	100.0	109.2	109.2
p1 Cal 6-250ng	6	✓	250.0	240.8	96.3
p1 Cal 7-500ng	7	✓	500.0	468.1	93.6
p1 Cal 8-1000ng	8	✓	1000.0	873.5	87.4

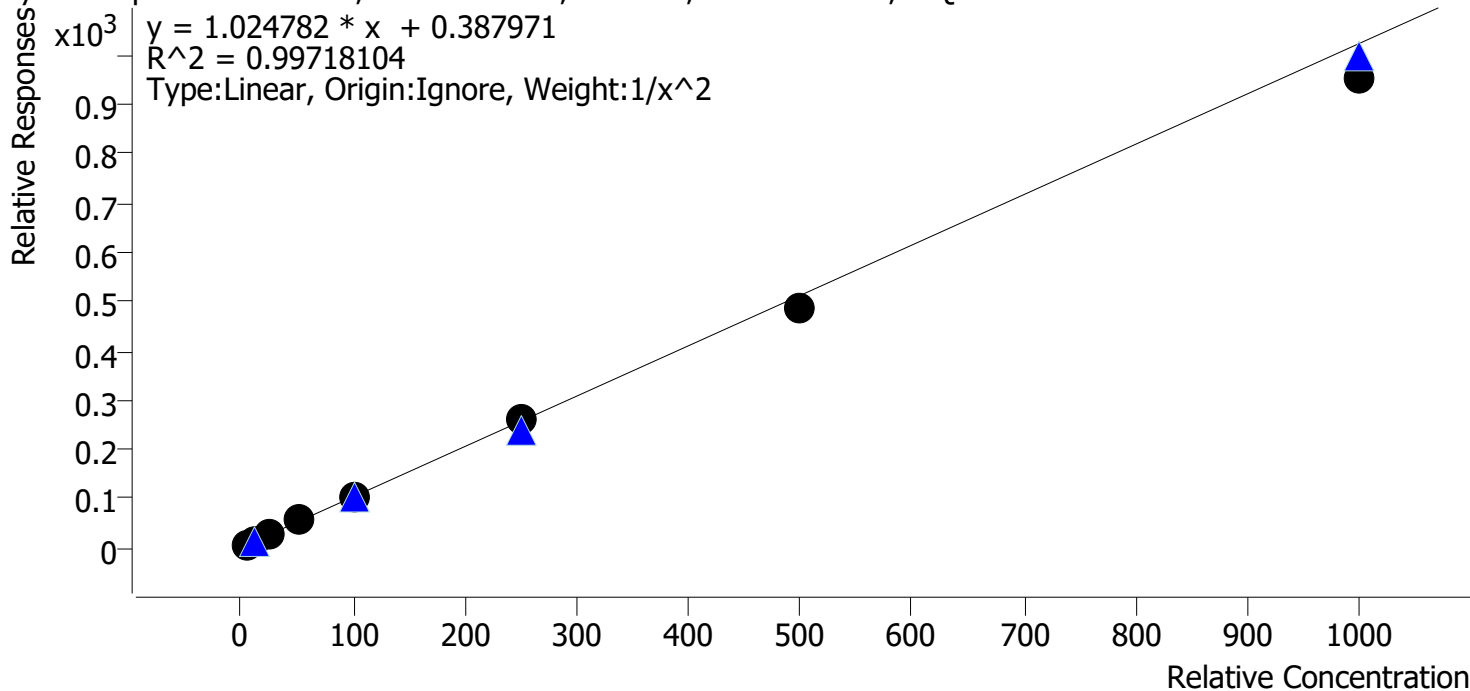
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Morphine-D6

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



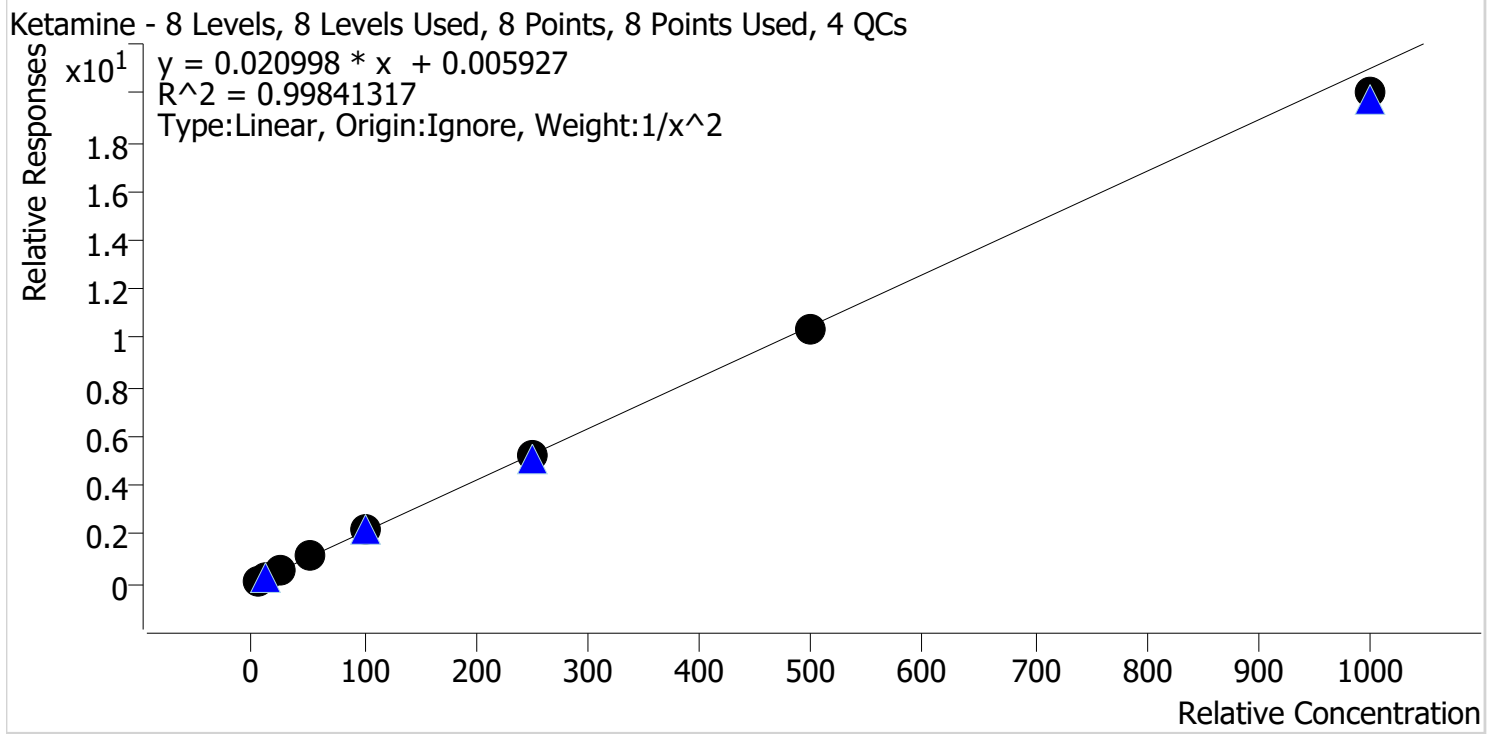
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	53.7	107.5
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	476.4	95.3
p1 Cal 8-1000ng	8	✓	1000.0	928.8	92.9

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	249.6	99.9
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	953.1	95.3

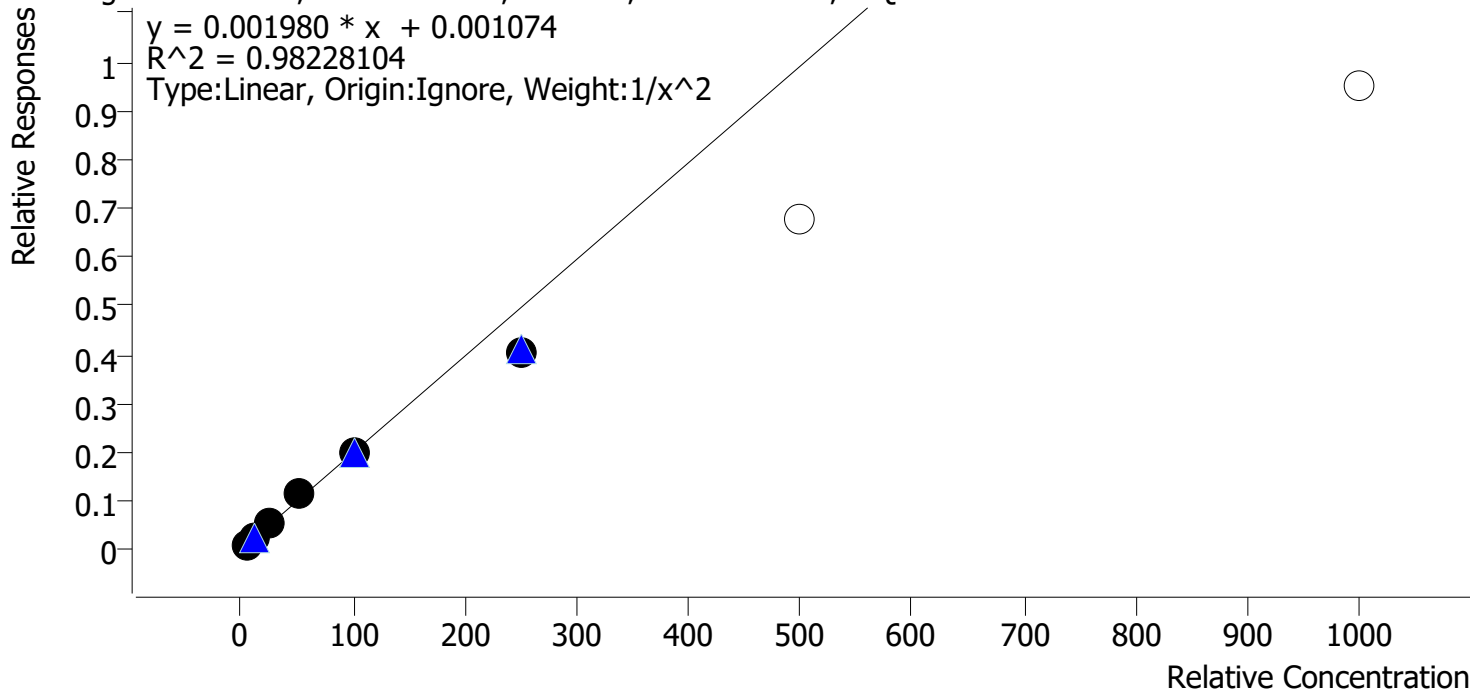
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.3
p1 Cal 2-10ng	2	✓	10.0	10.9	108.9
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	56.0	112.1
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	204.1	81.6
p1 Cal 7-500ng	7	x	500.0	340.8	68.2
p1 Cal 8-1000ng	8	x	1000.0	480.4	48.0

Calibrators 7 and 8 dropped due to not meeting accuracy requirement

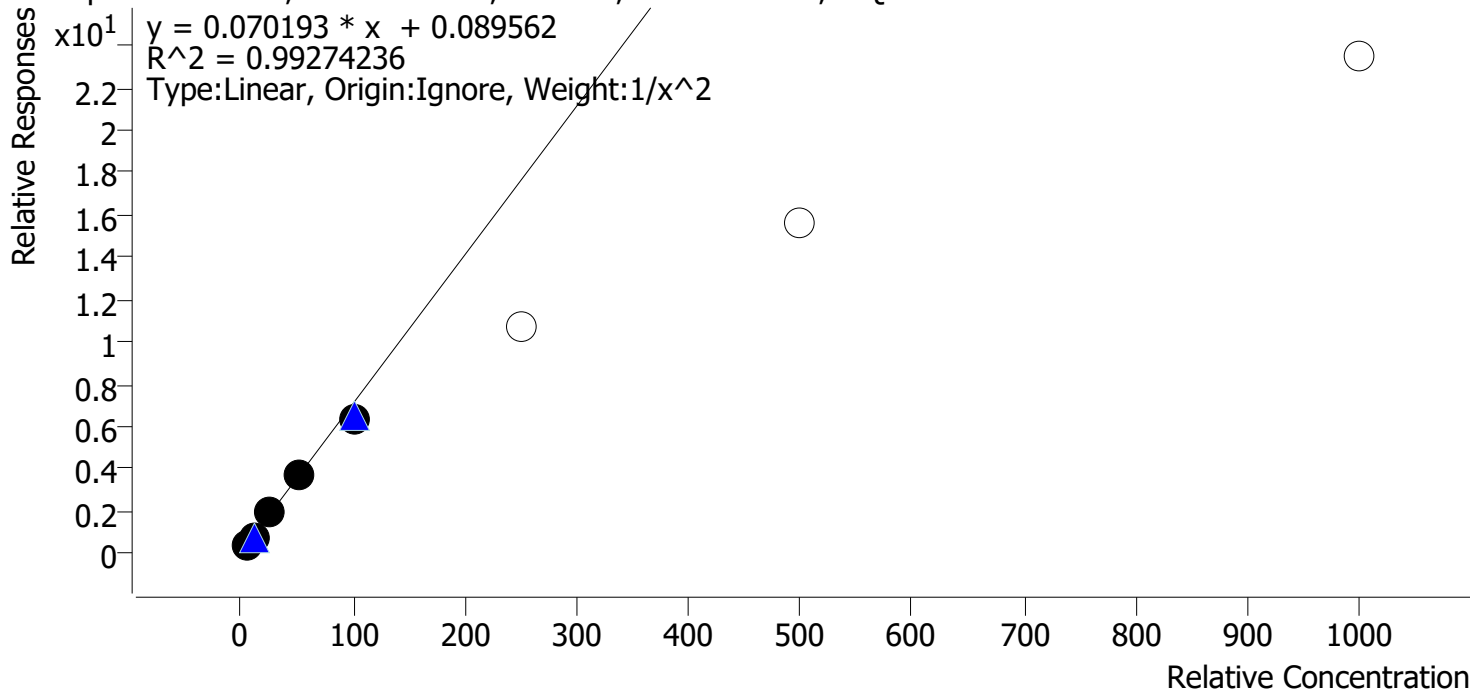
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.5	105.3
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	90.0	90.0
p1 Cal 6-250ng	6	✗	250.0	152.1	60.8
p1 Cal 7-500ng	7	✗	500.0	222.7	44.5
p1 Cal 8-1000ng	8	✗	1000.0	333.3	33.3

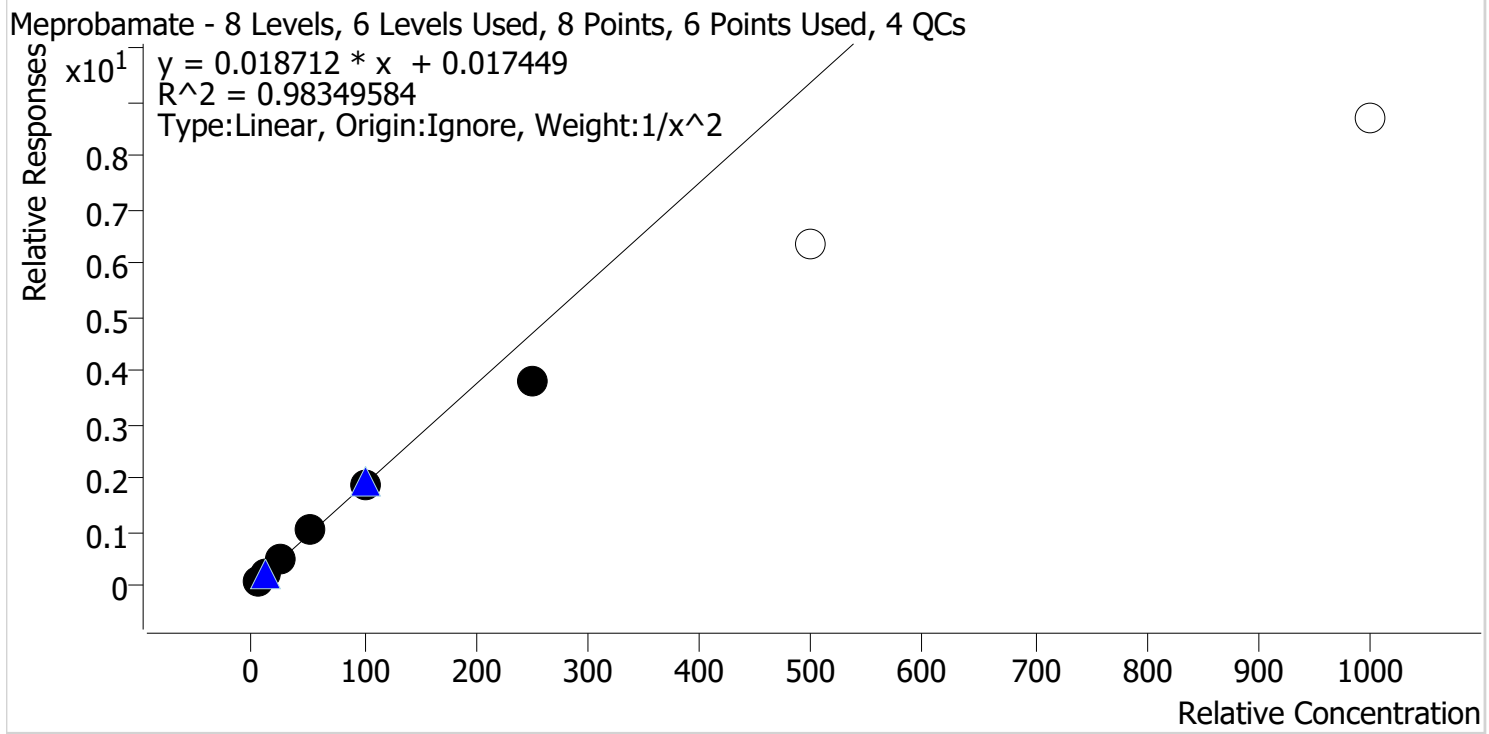
Calibrators 6-8 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	55.2	110.4
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	202.7	81.1
p1 Cal 7-500ng	7	x	500.0	339.1	67.8
p1 Cal 8-1000ng	8	x	1000.0	464.0	46.4

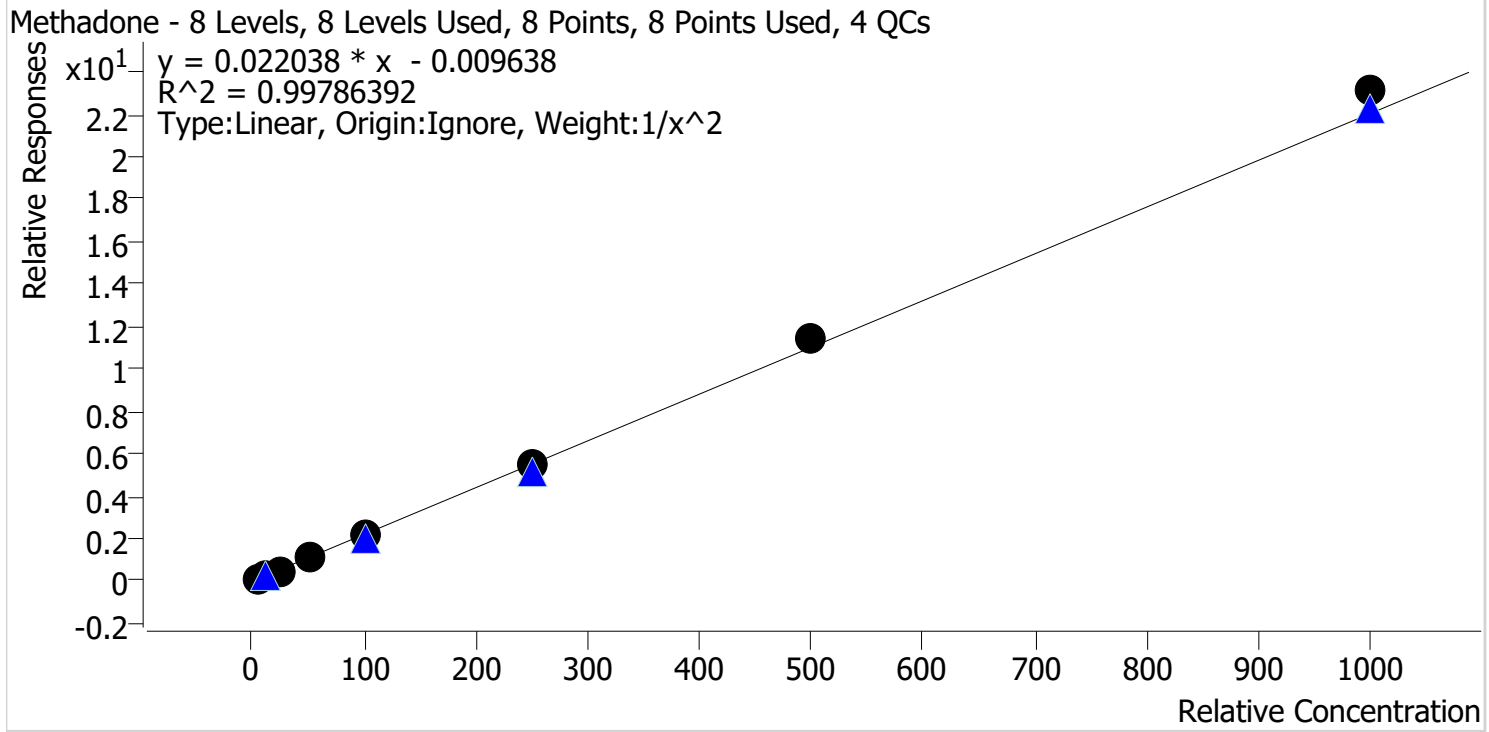
Calibrators 7 and 8 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9



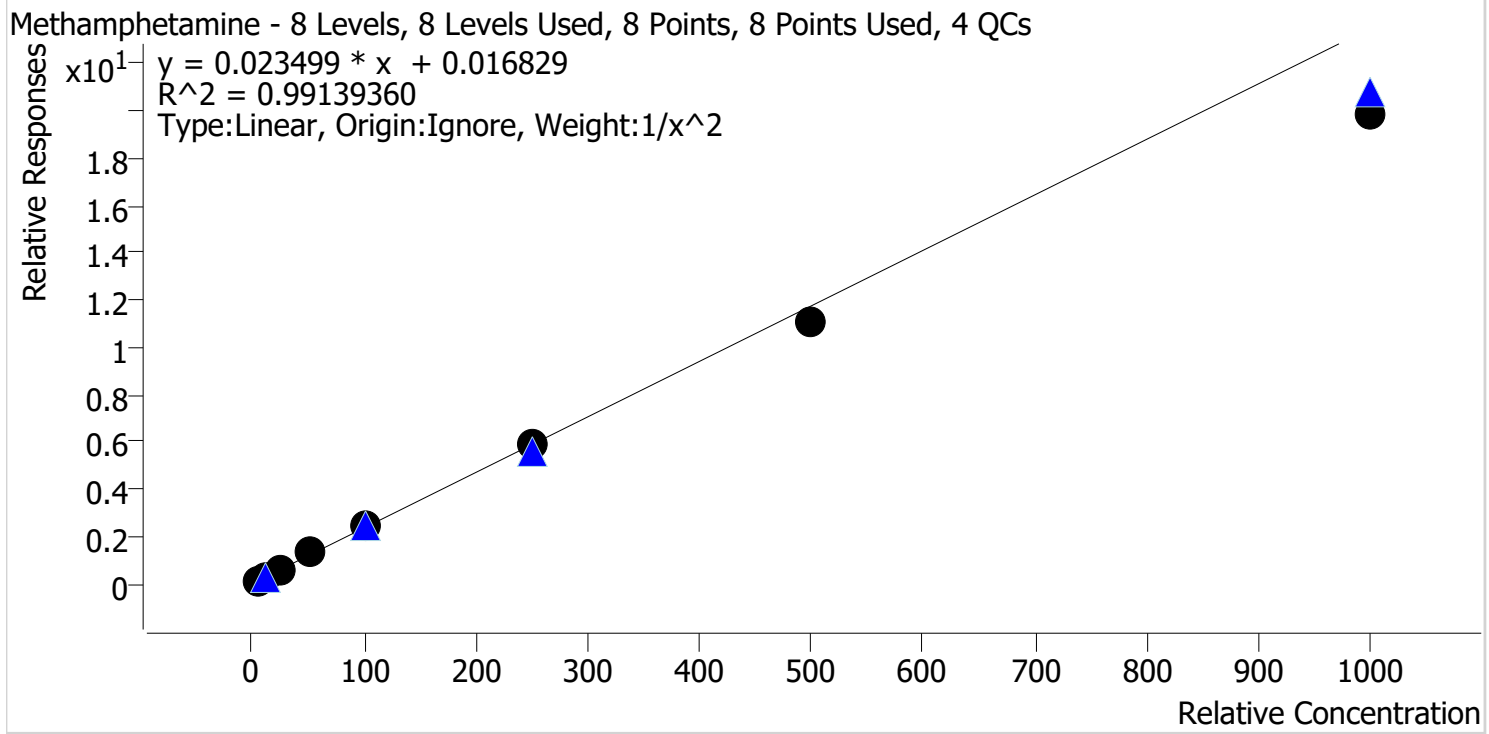
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.9
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	518.9	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1049.2	104.9

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 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	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	55.5	111.0
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	474.1	94.8
p1 Cal 8-1000ng	8	✓	1000.0	847.8	84.8

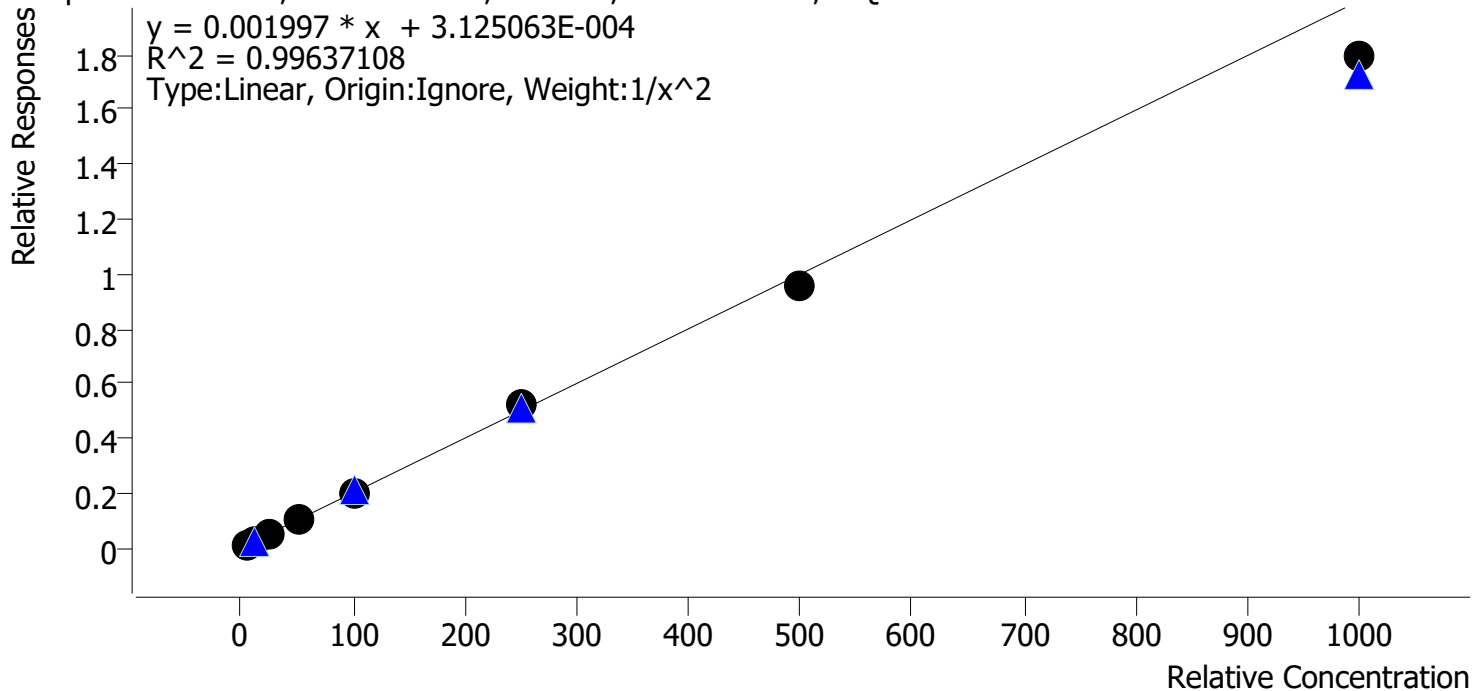
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

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



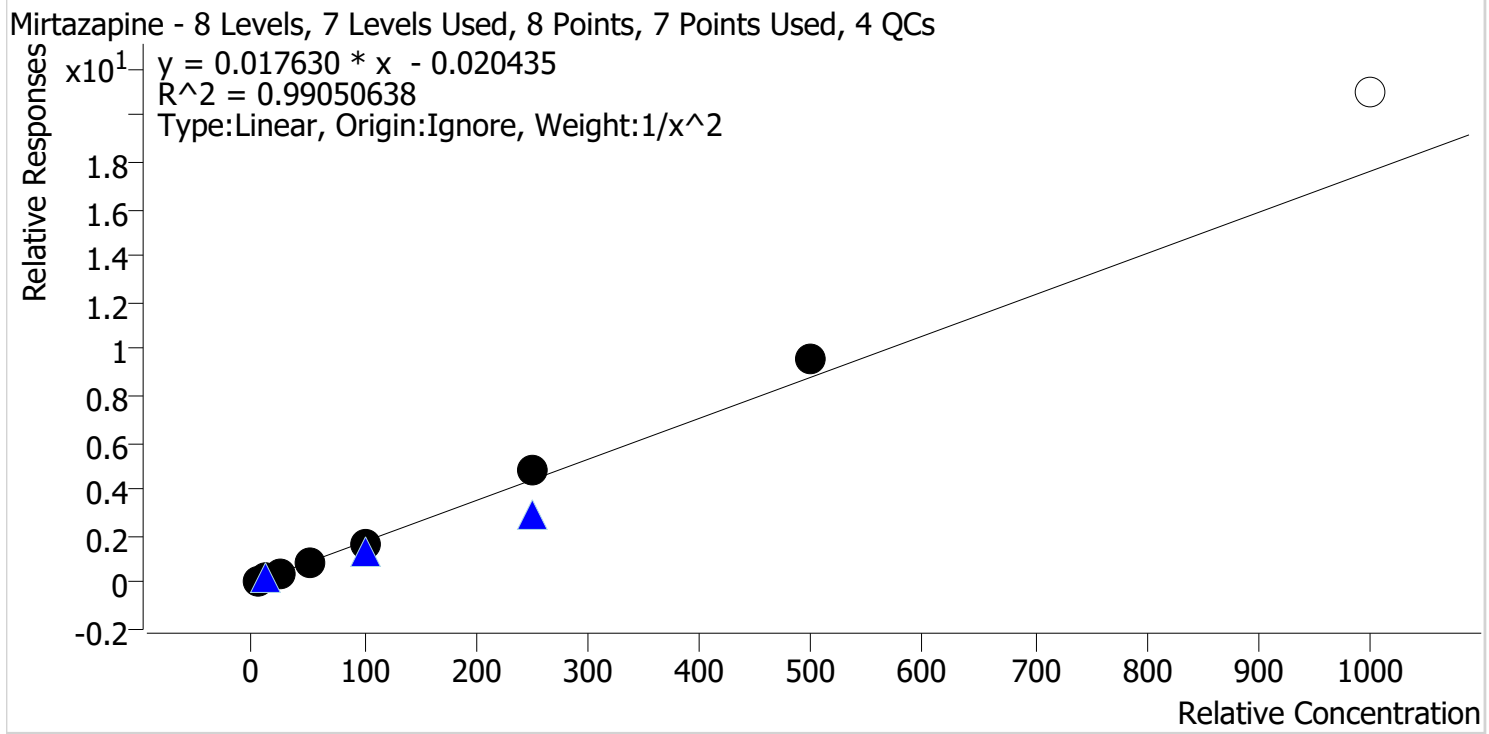
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	259.8	103.9
p1 Cal 7-500ng	7	✓	500.0	481.3	96.3
p1 Cal 8-1000ng	8	✓	1000.0	898.1	89.8

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.3
p1 Cal 2-10ng	2	✓	10.0	8.8	87.7
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	93.6	93.6
p1 Cal 6-250ng	6	✓	250.0	270.8	108.3
p1 Cal 7-500ng	7	✓	500.0	541.8	108.4
p1 Cal 8-1000ng	8	x	1000.0	1191.1	119.1

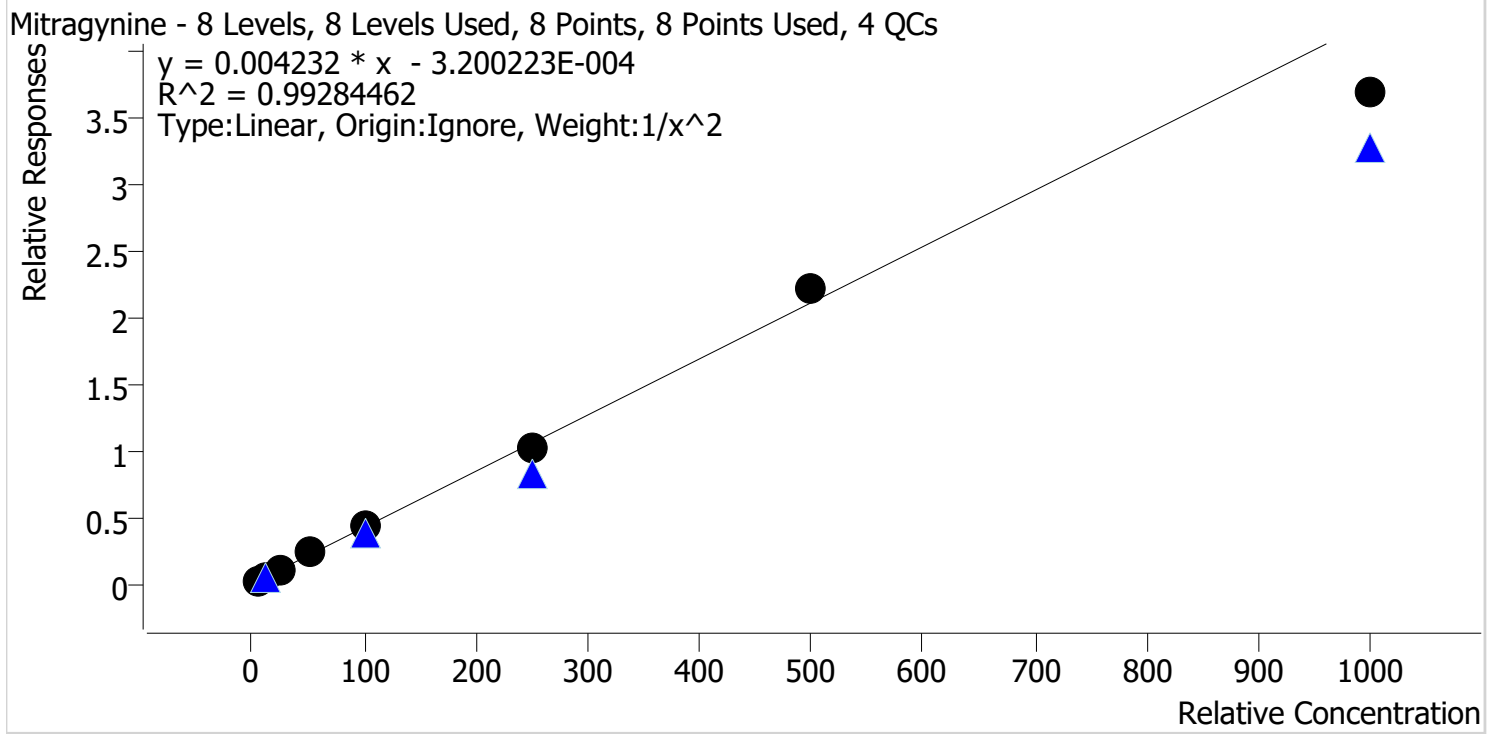
Calibrator 8 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



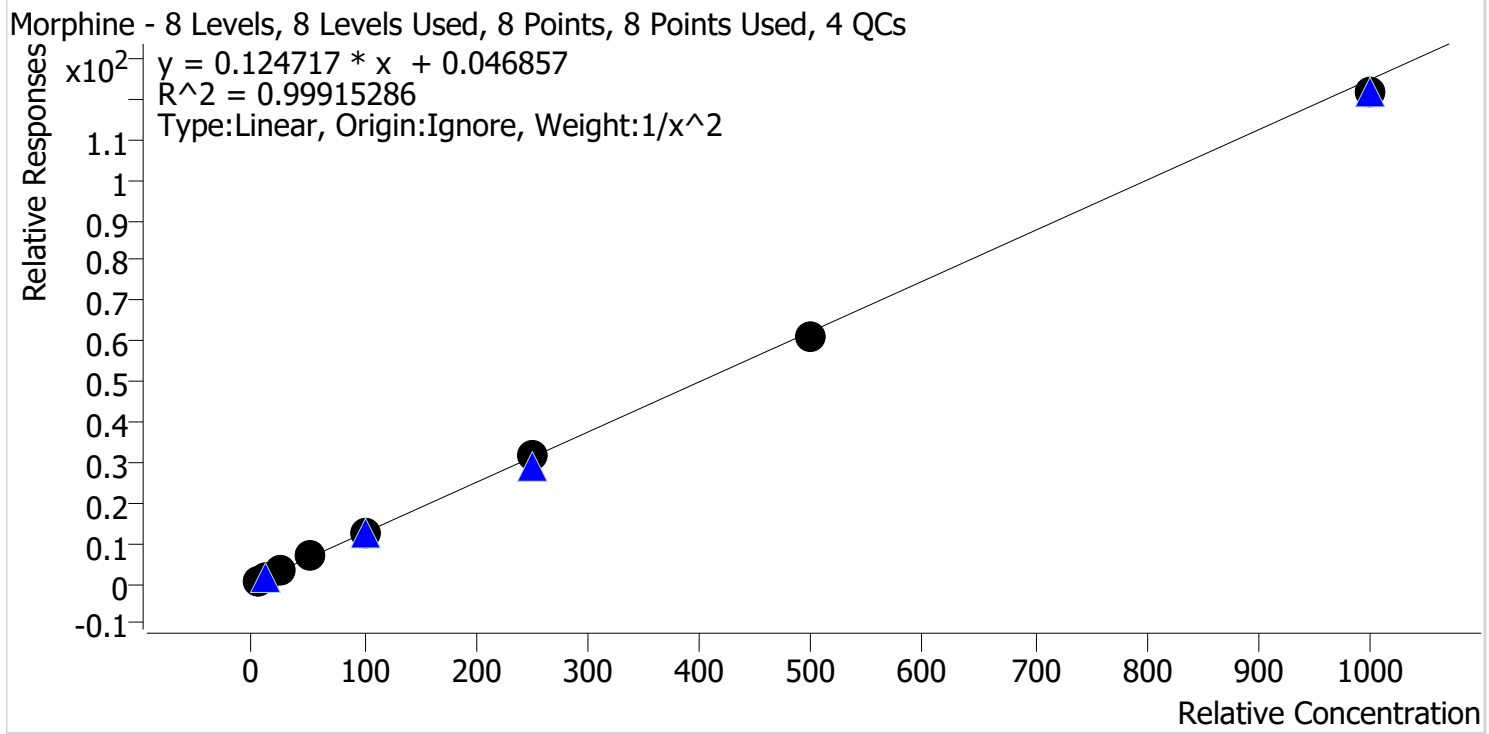
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.4	93.7
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	55.3	110.6
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	239.5	95.8
p1 Cal 7-500ng	7	✓	500.0	526.7	105.3
p1 Cal 8-1000ng	8	✓	1000.0	874.0	87.4

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	256.9	102.8
p1 Cal 7-500ng	7	✓	500.0	489.6	97.9
p1 Cal 8-1000ng	8	✓	1000.0	974.0	97.4

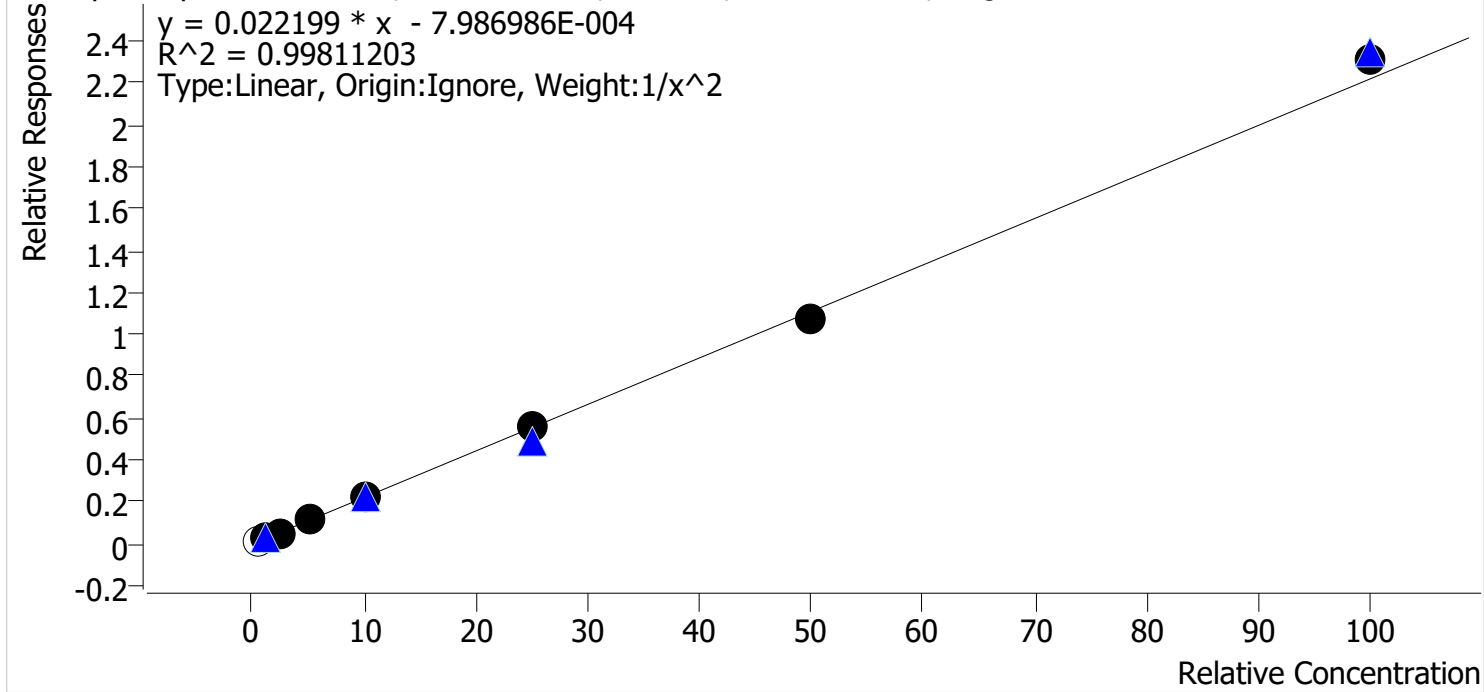
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.7	138.9
p1 Cal 2-10ng	2	✓	1.0	1.0	102.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.5
p1 Cal 4-50ng	4	✓	5.0	5.0	100.4
p1 Cal 5-100ng	5	✓	10.0	10.3	103.2
p1 Cal 6-250ng	6	✓	25.0	24.9	99.7
p1 Cal 7-500ng	7	✓	50.0	48.5	97.0
p1 Cal 8-1000ng	8	✓	100.0	104.1	104.1

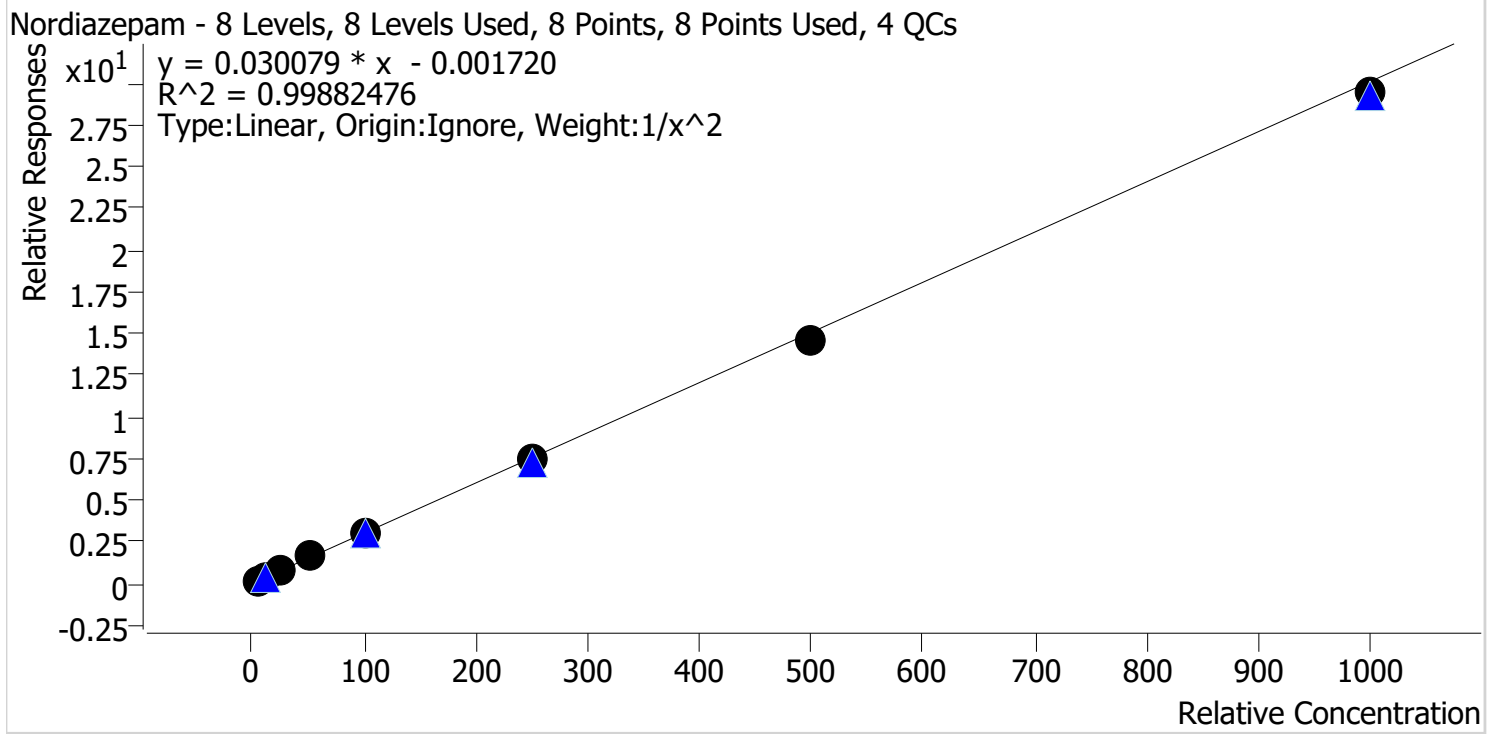
Calibrator 1 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Nordiazepam Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	487.4	97.5
p1 Cal 8-1000ng	8	✓	1000.0	977.9	97.8

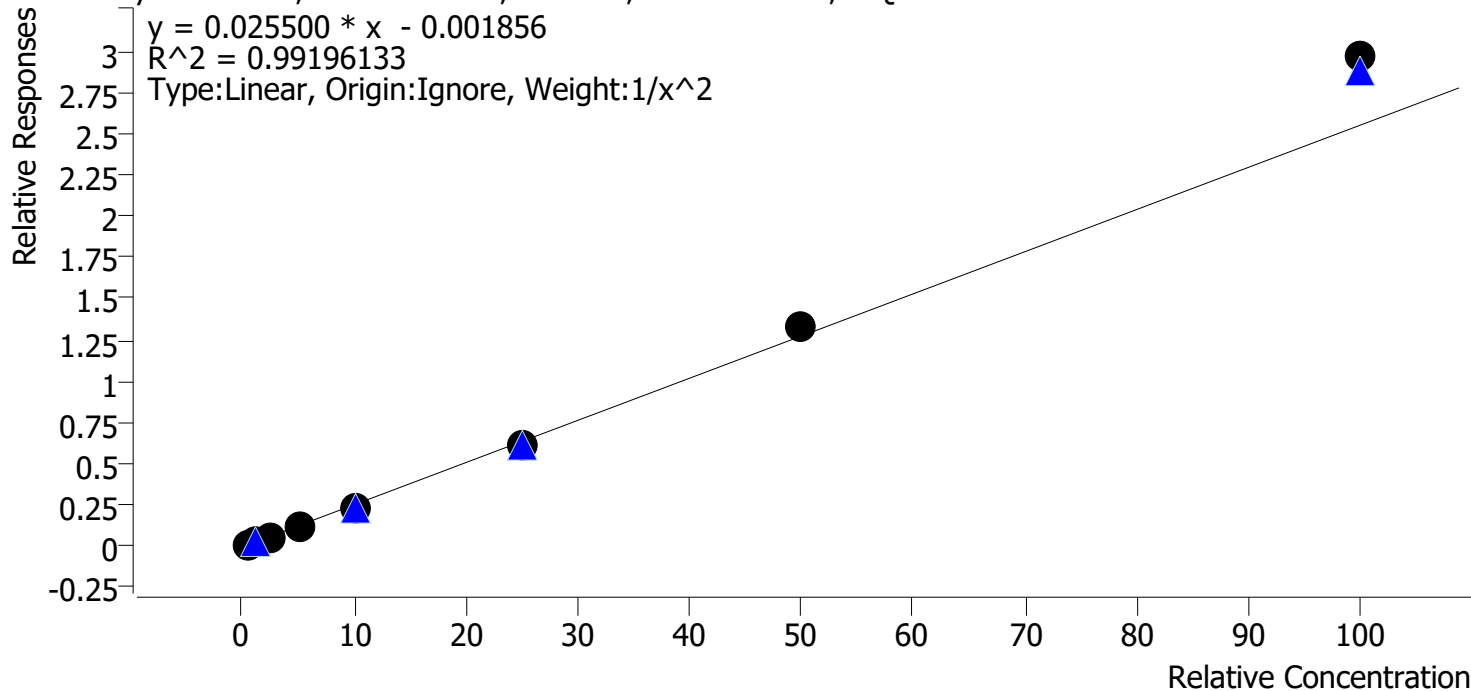
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



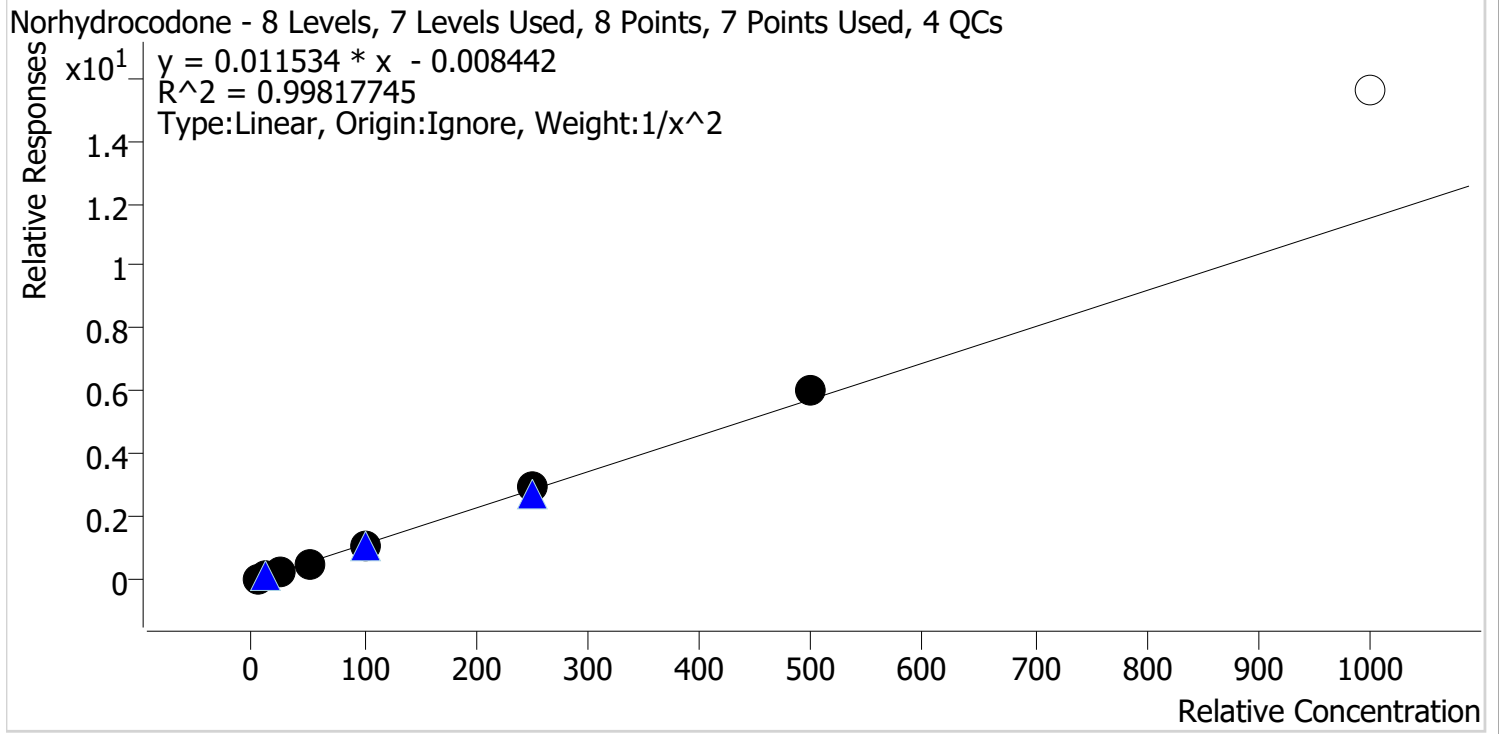
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.0
p1 Cal 2-10ng	2	✓	1.0	1.0	96.4
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.3
p1 Cal 4-50ng	4	✓	5.0	4.8	96.0
p1 Cal 5-100ng	5	✓	10.0	9.4	94.3
p1 Cal 6-250ng	6	✓	25.0	24.2	96.8
p1 Cal 7-500ng	7	✓	50.0	52.0	104.0
p1 Cal 8-1000ng	8	✓	100.0	116.3	116.3

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	47.2	94.5
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	526.3	105.3
p1 Cal 8-1000ng	8	✗	1000.0	1351.8	135.2

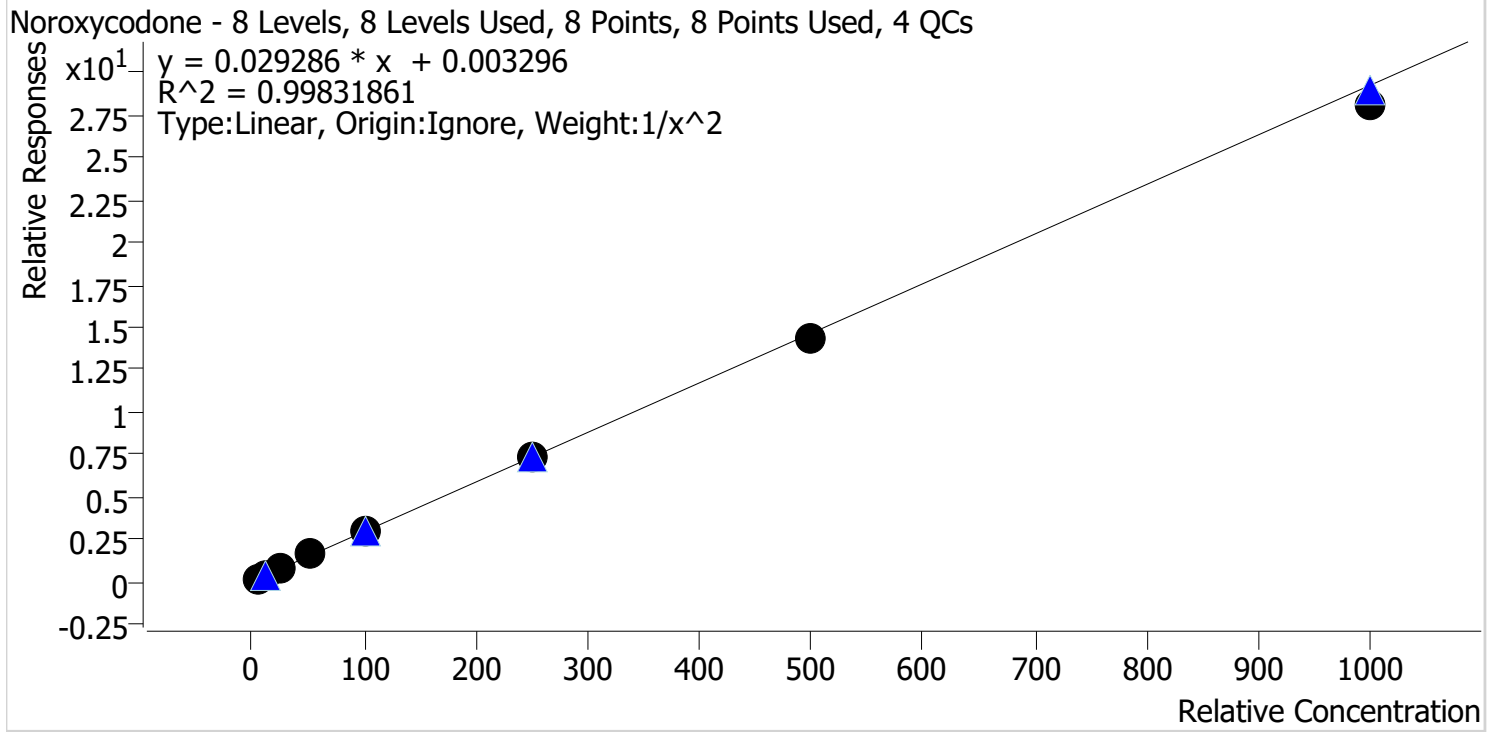
Calibrator 8 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



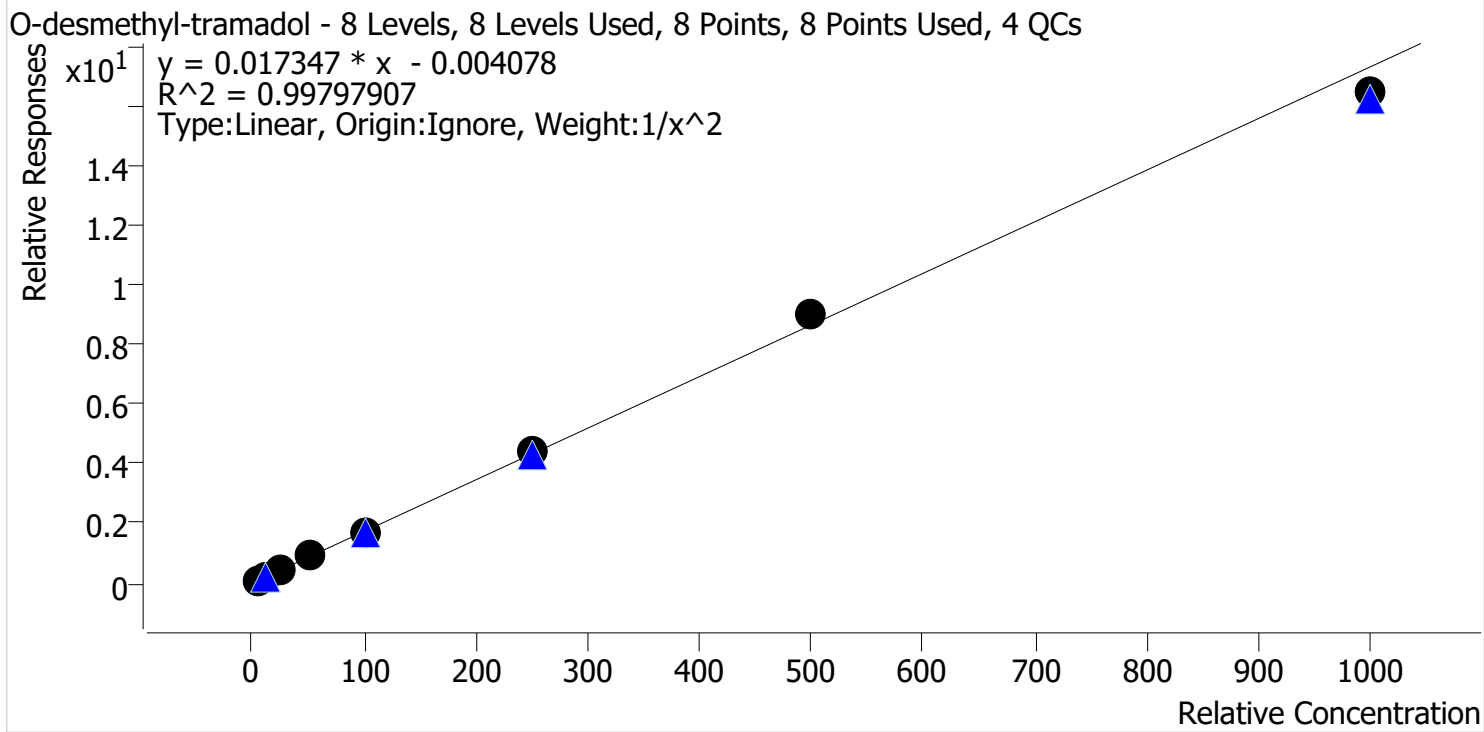
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	488.2	97.6
p1 Cal 8-1000ng	8	✓	1000.0	963.8	96.4

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 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	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	258.6	103.5
p1 Cal 7-500ng	7	✓	500.0	523.0	104.6
p1 Cal 8-1000ng	8	✓	1000.0	950.9	95.1

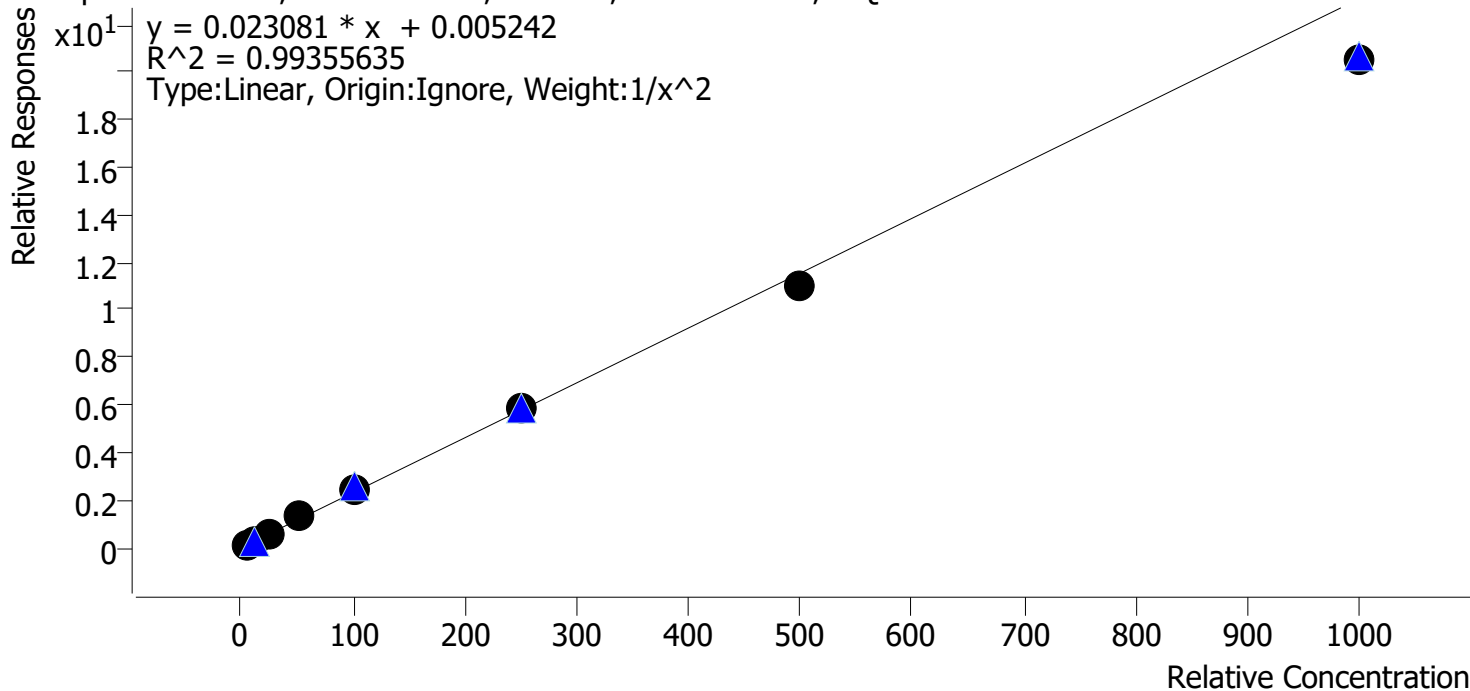
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Oxazepam Internal Standard Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	56.6	113.2
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	474.3	94.9
p1 Cal 8-1000ng	8	✓	1000.0	892.3	89.2

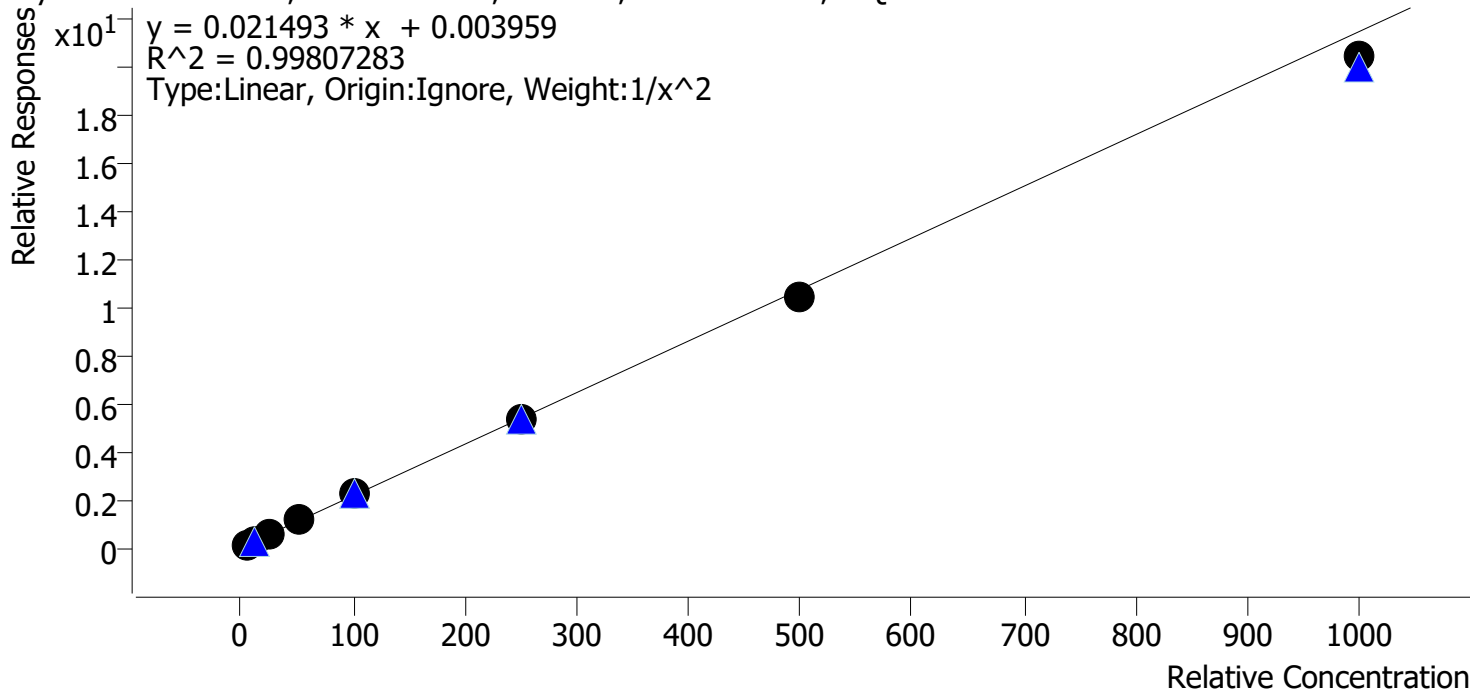
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	250.4	100.1
p1 Cal 7-500ng	7	✓	500.0	483.9	96.8
p1 Cal 8-1000ng	8	✓	1000.0	951.4	95.1

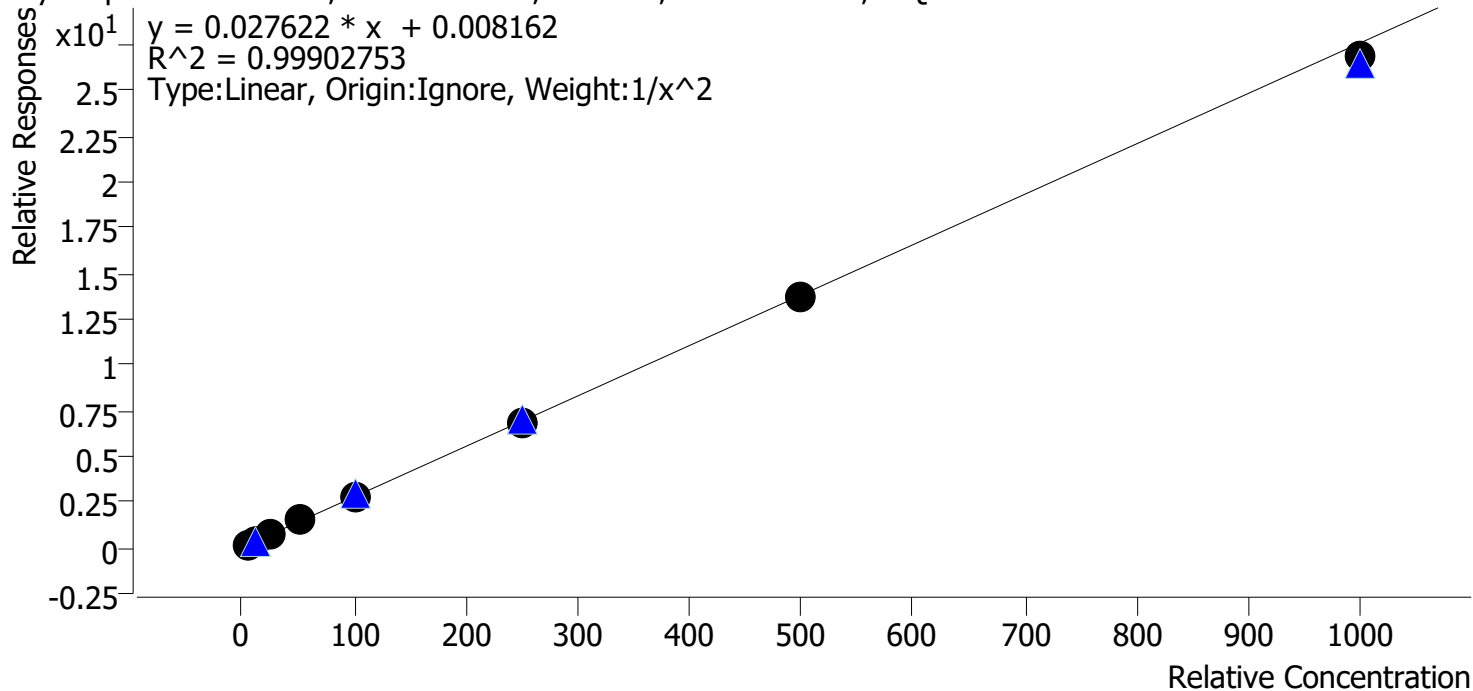
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



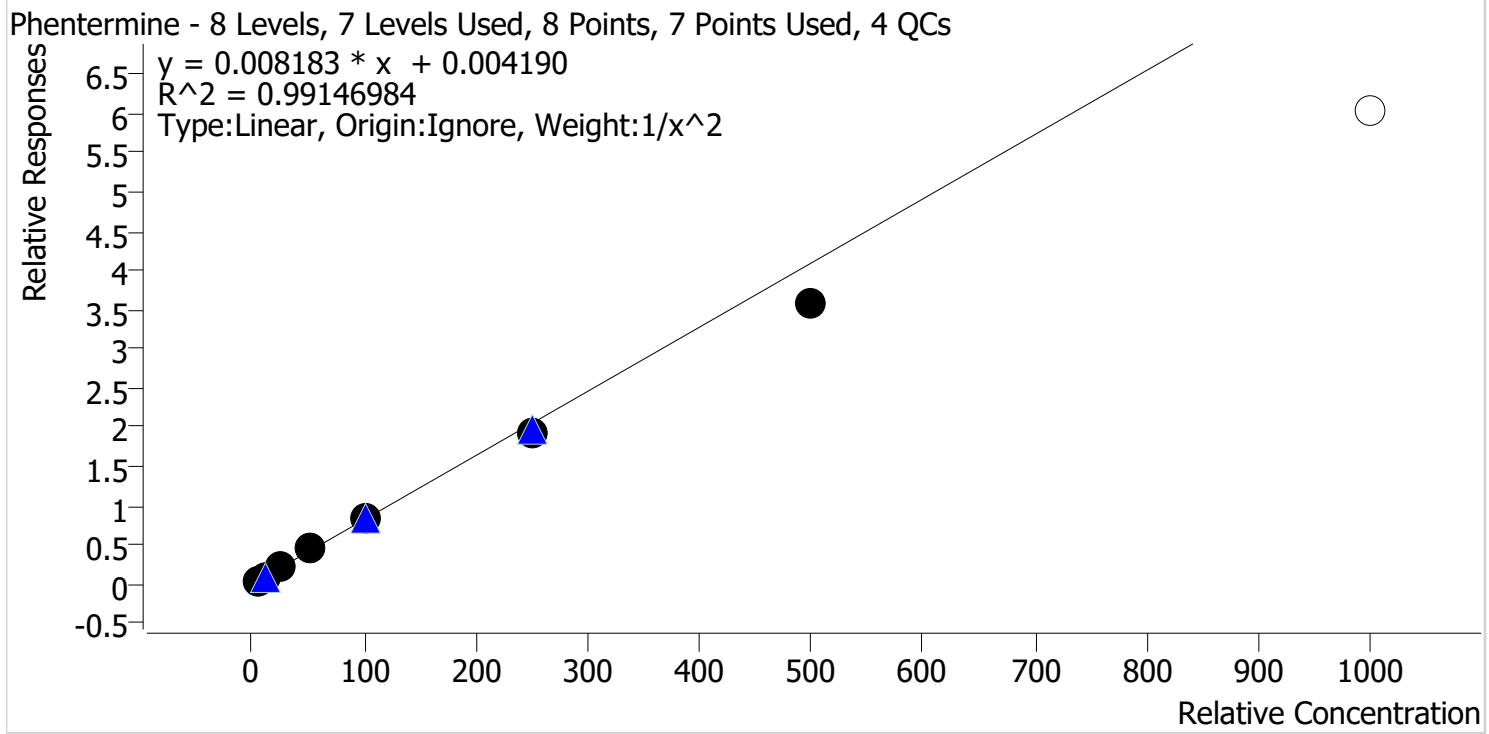
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	52.6	105.3
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	493.1	98.6
p1 Cal 8-1000ng	8	✓	1000.0	973.0	97.3

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 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	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	55.5	111.0
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	236.7	94.7
p1 Cal 7-500ng	7	✓	500.0	435.5	87.1
p1 Cal 8-1000ng	8	✗	1000.0	738.8	73.9

Calibrator 8 dropped due to not meeting accuracy requirement

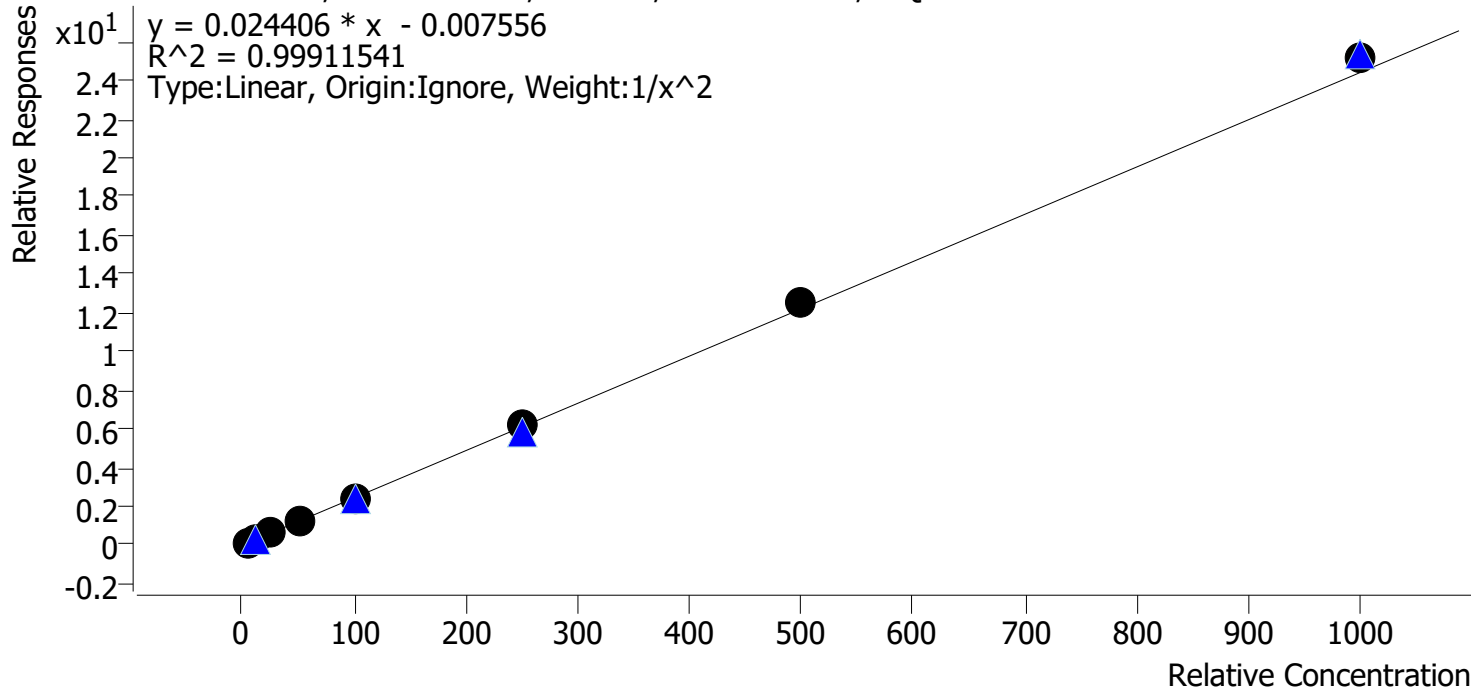
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



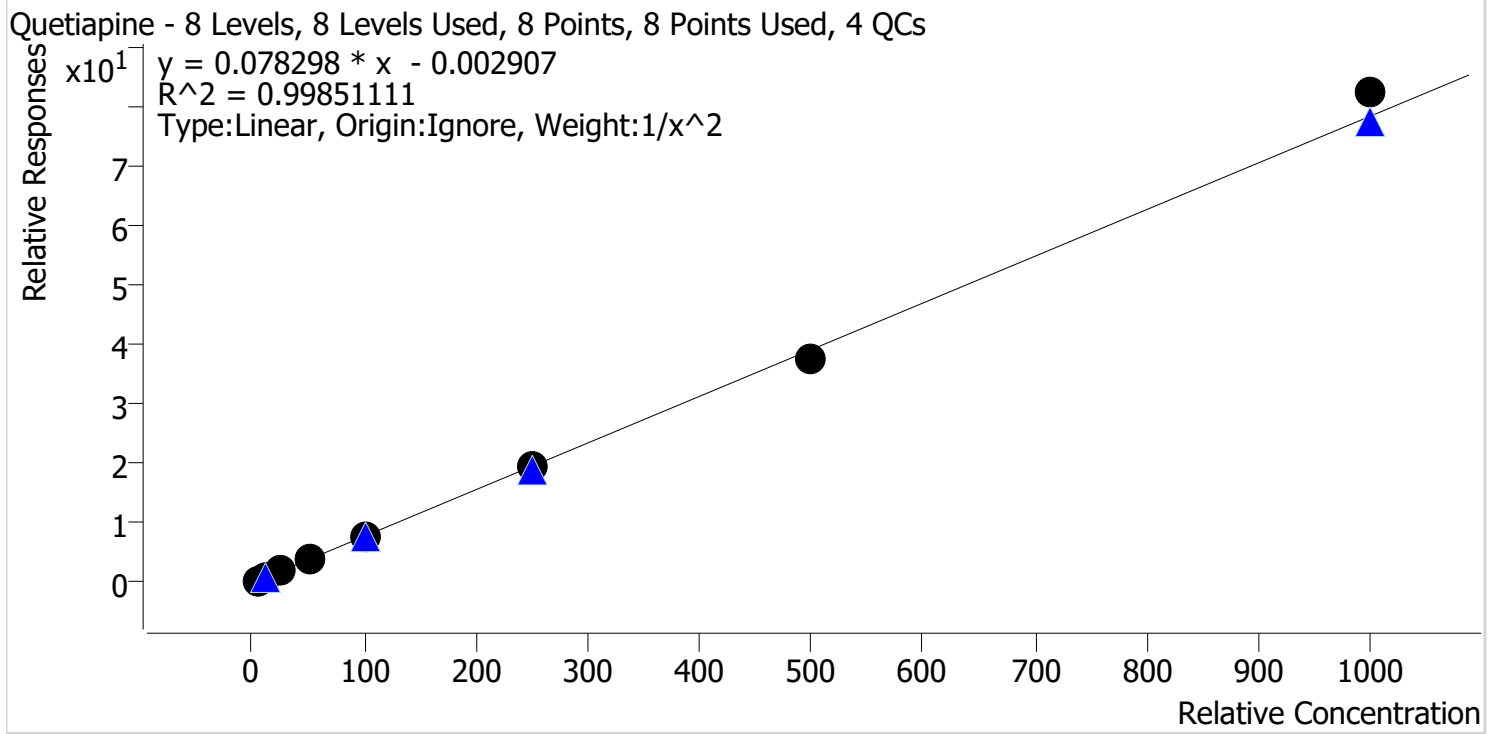
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	510.6	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1030.6	103.1

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8



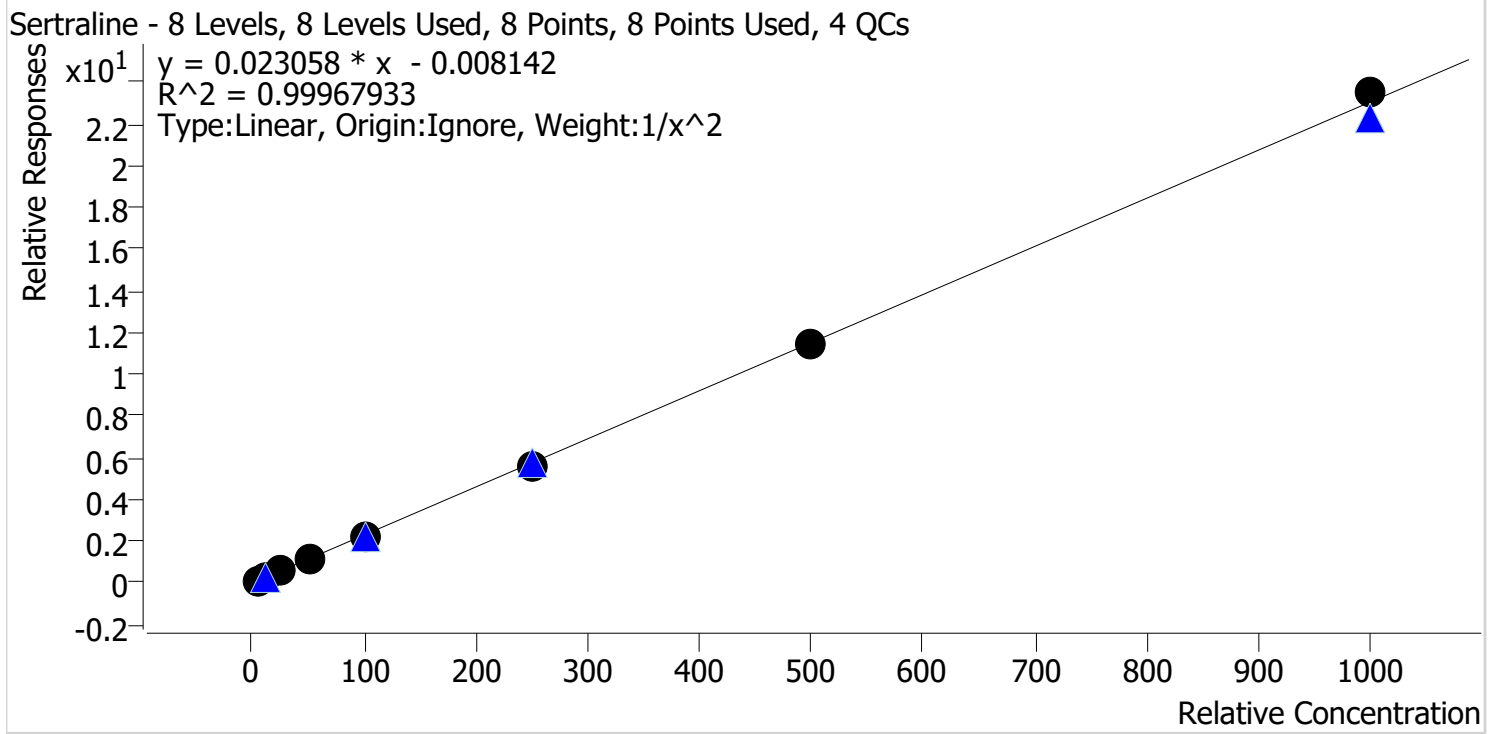
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	480.1	96.0
p1 Cal 8-1000ng	8	✓	1000.0	1050.6	105.1

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



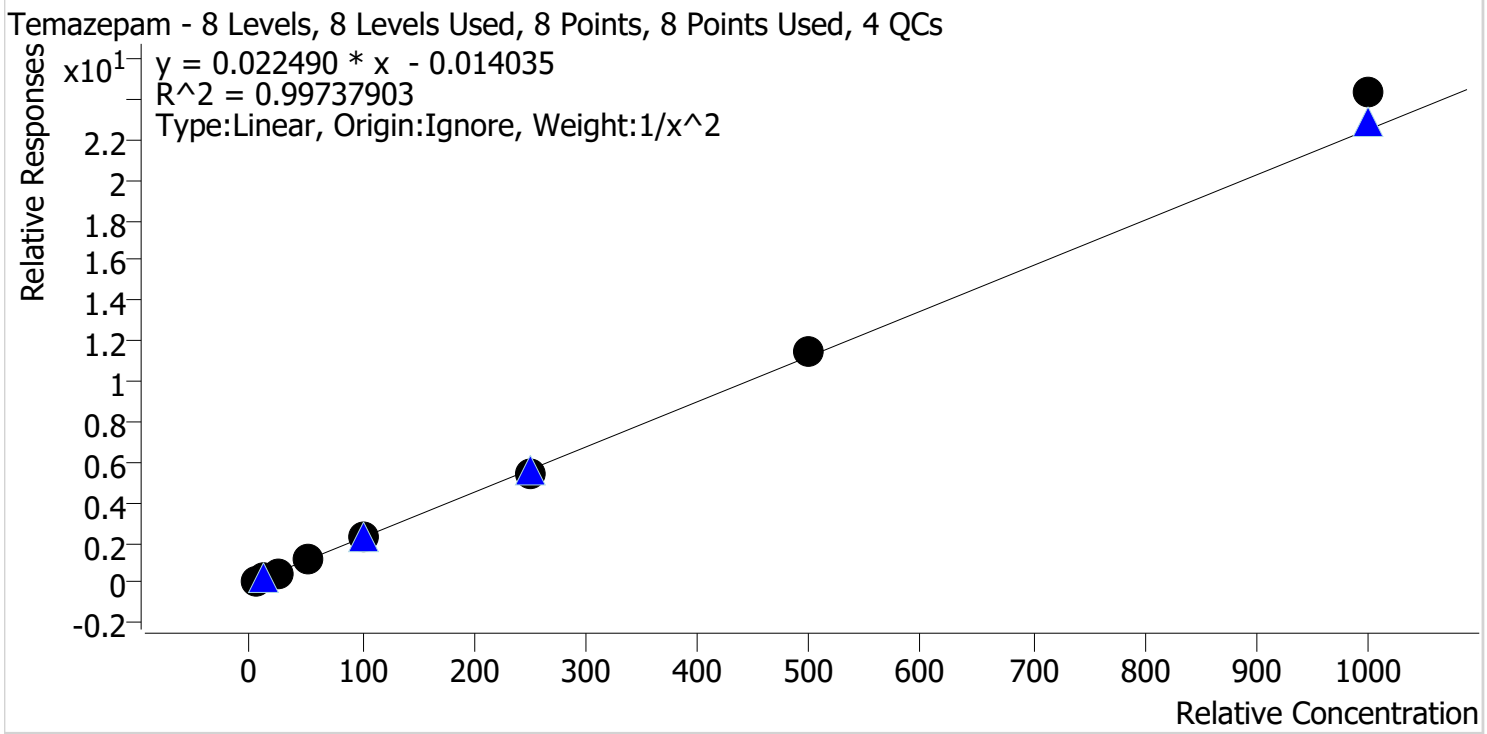
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1019.7	102.0

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



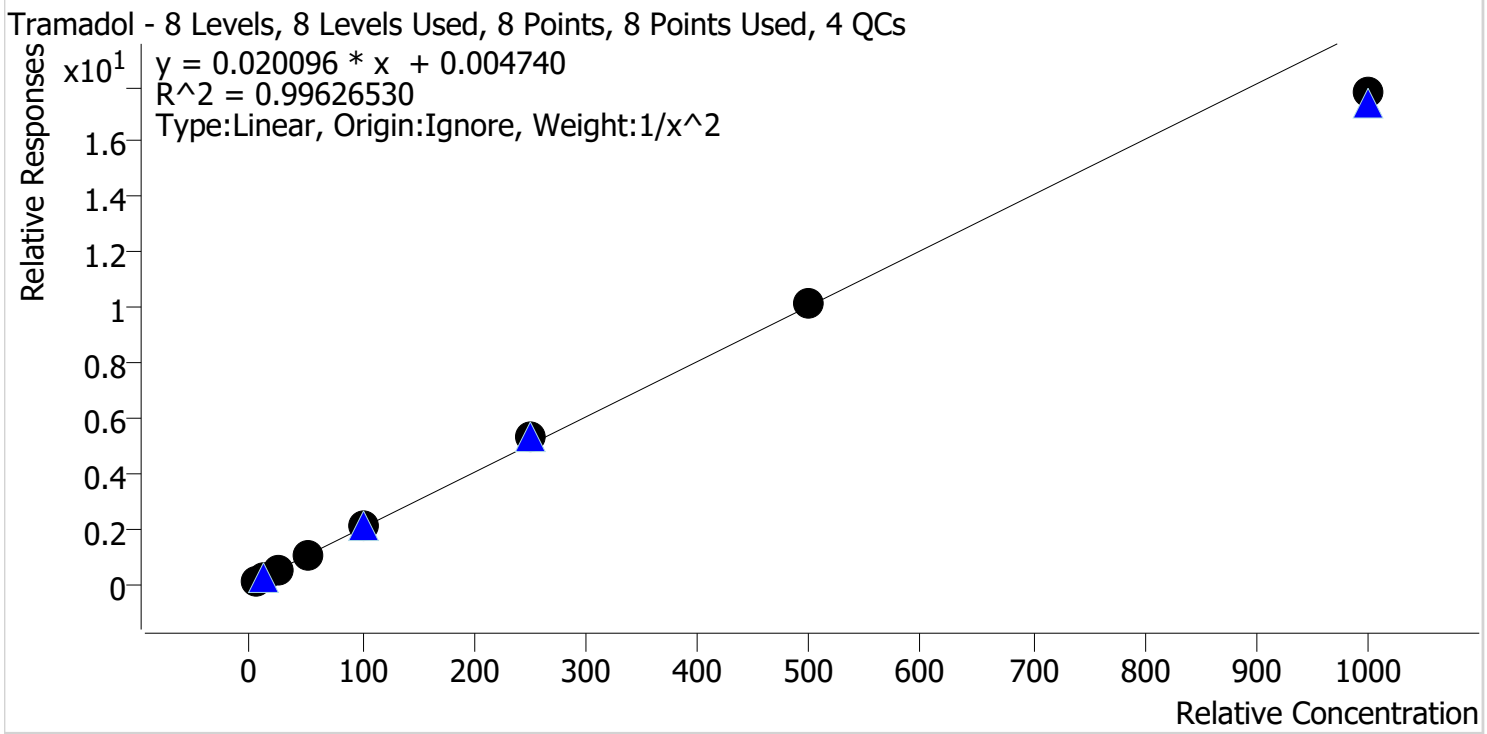
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.9
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	244.4	97.8
p1 Cal 7-500ng	7	✓	500.0	510.5	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1081.7	108.2

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 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	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	262.3	104.9
p1 Cal 7-500ng	7	✓	500.0	503.2	100.6
p1 Cal 8-1000ng	8	✓	1000.0	884.5	88.4

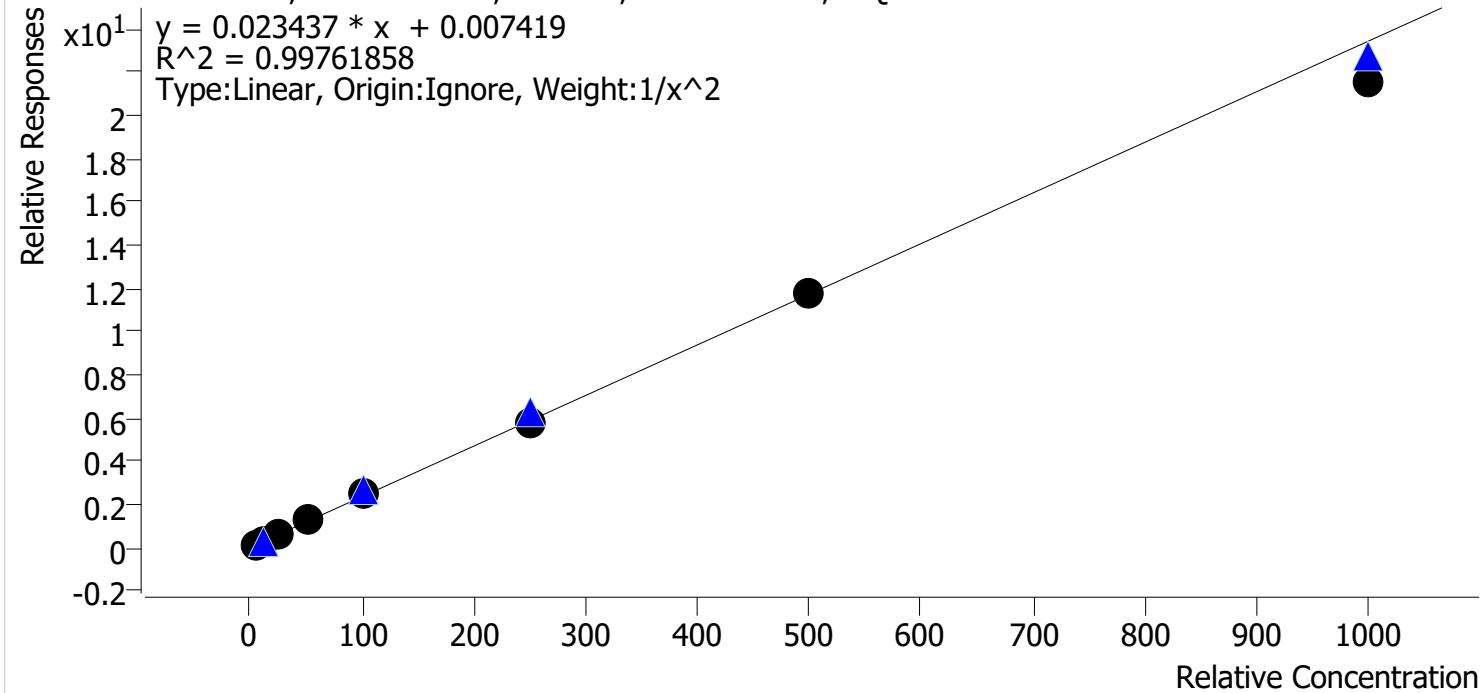
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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



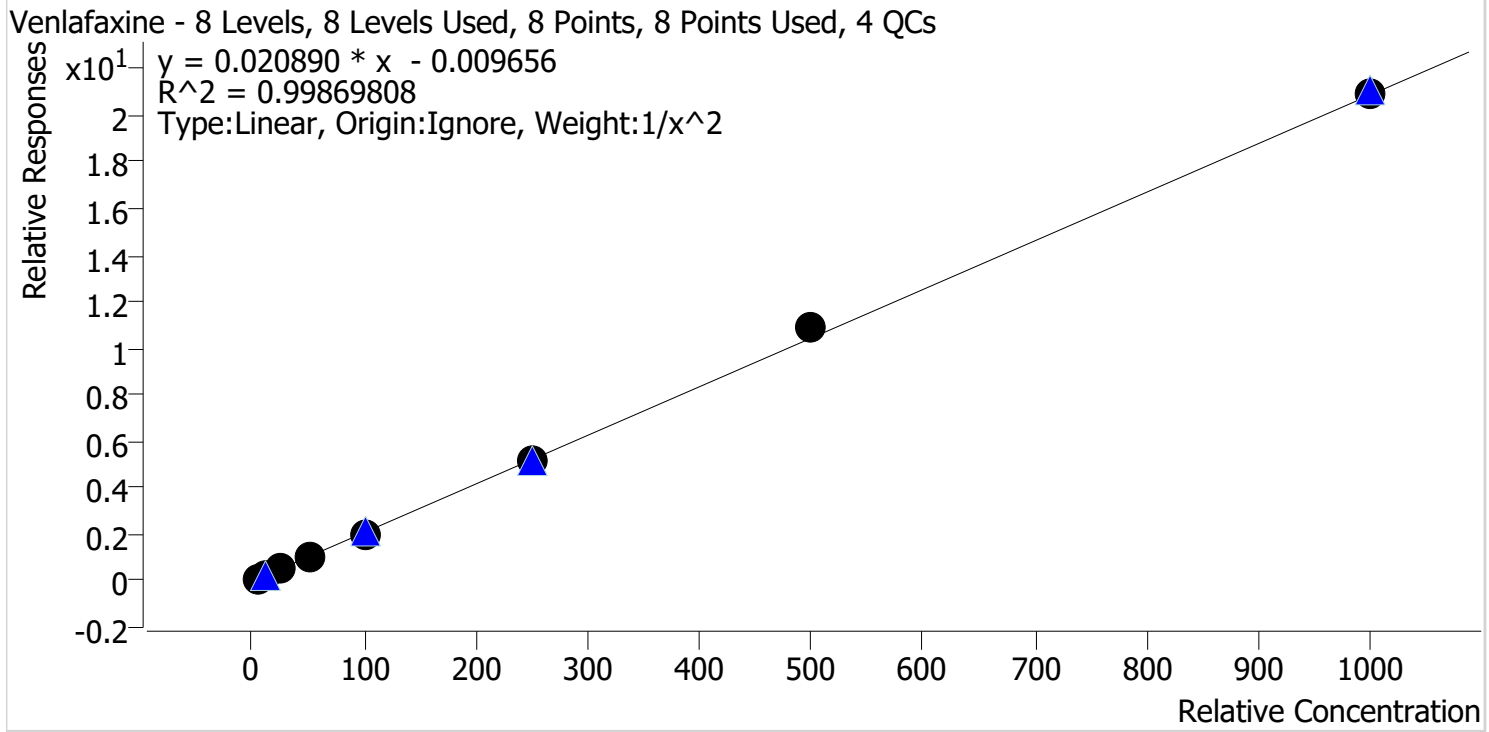
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	501.0	100.2
p1 Cal 8-1000ng	8	✓	1000.0	916.6	91.7

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 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	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	522.2	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1006.1	100.6

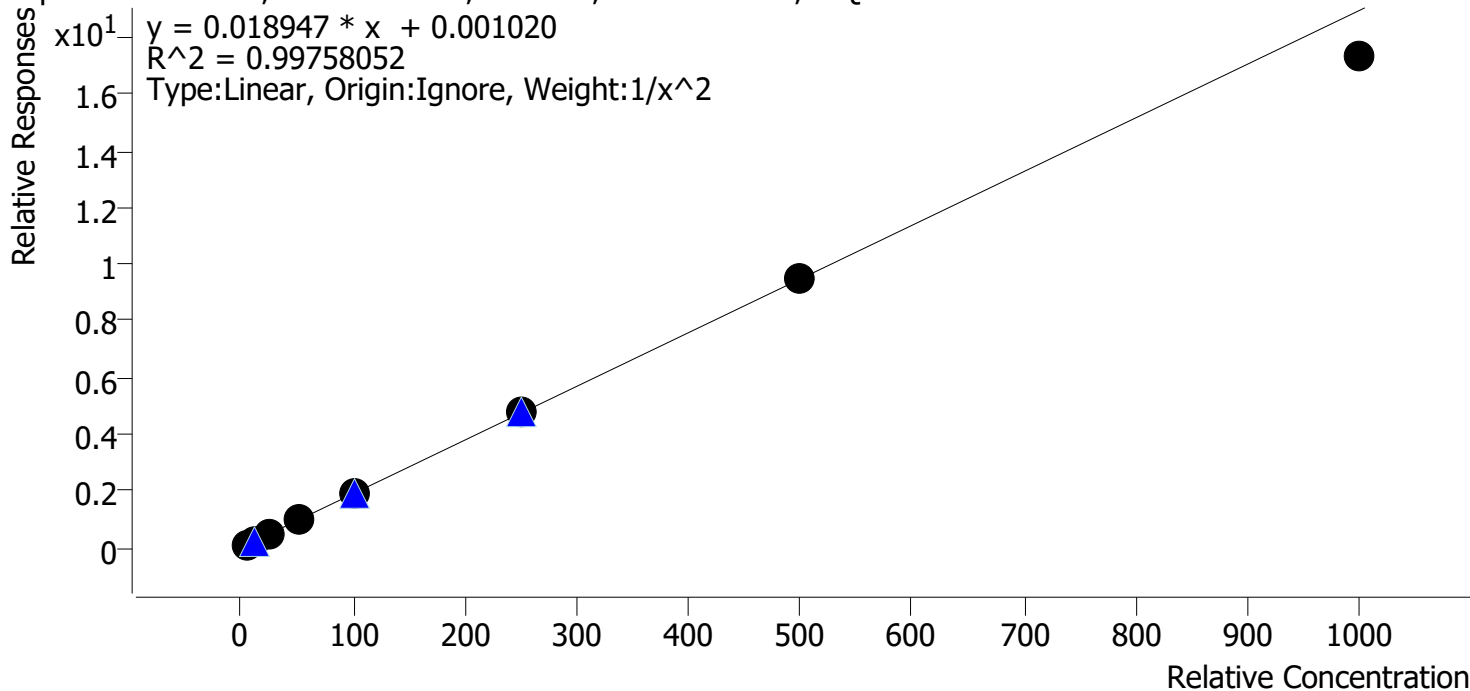
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 6/4/2021 10:00 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	500.1	100.0
p1 Cal 8-1000ng	8	✓	1000.0	914.2	91.4

AM #28 Multi-Drug Quant. Results

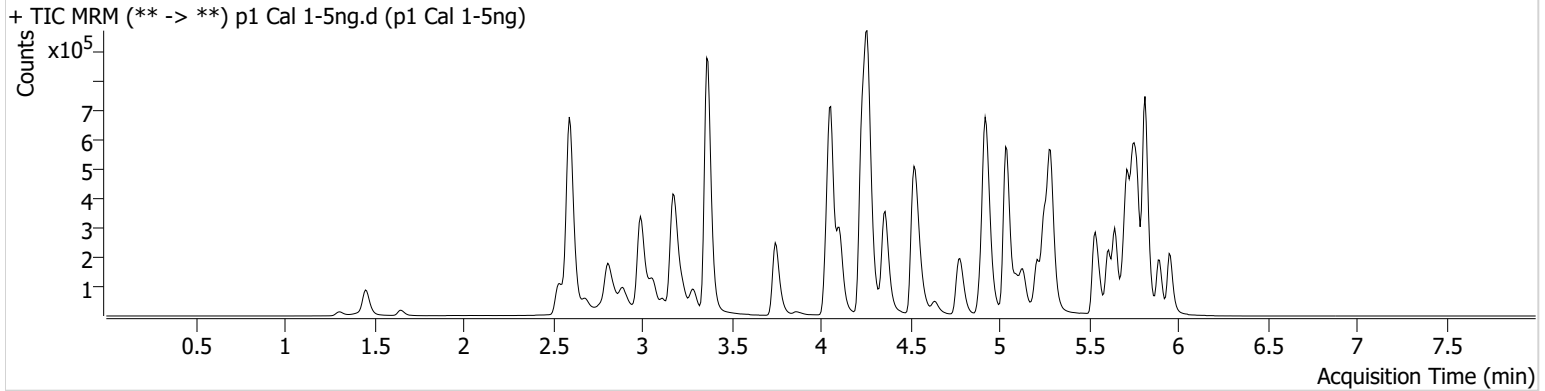
SC



Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 6/4/2021 10:00:02 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	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	6/3/2021 10:22:16 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	1978	4336.59	67.2	860.04	95505	0.5007 ng/ml
7-aminoclonazepam	4.271	47543	1302.74	68.7	105.32	338382	5.0627 ng/ml
a-hydroxyalprazolam	5.699	19583	231.06	59.8	14533.68	454044	4.7821 ng/ml
alpha-PHP	4.937	20963	429.96	269.5	629.30	817549	4.7389 ng/ml
alpha-PVP	4.370	90600	525.55	52.6	492.57	817549	5.0896 ng/ml
Alprazolam	5.775	66519	478.15	105.5	1441.28	454044	5.0479 ng/ml
Amphetamine	3.069	144611	217.40	46.2	382.16	288322	4.7770 ng/ml
Benzoylecgonine	3.892	2645	18.30	8.6	69.91	21688	5.0959 ng/ml
Buprenorphine	5.880	1308	54.32	14.3	486.21	87825	0.5179 ng/ml
Bupropion	4.795	67310	985.71	64.6	291.20	486310	5.0413 ng/ml
Carisoprodol	5.724	66826	81035.49	65.7	106.02	679384	5.1326 ng/ml
Citalopram	5.212	40004	58.64	33.5	59.39	381977	5.0892 ng/ml
Clonazepam	5.612	73090	1461.56	28.5	35305.15	172045	4.8916 ng/ml
Clonazepam	5.555	49855	1435.75	38.8	30306.42	172045	5.0288 ng/ml
Cocaine	4.264	75654	508.51	54.4	323.85	1488969	5.1300 ng/ml
Codeine	2.587	9710	19730.57	97.0	12609.58	87847	4.8227 ng/ml
Cyclobenzaprine	5.615	19213	26458.58	9.1	9835.85	175327	5.0543 ng/ml
Dextromethorphan	5.262	17409	35242.42	88.7	652.51	170761	5.0004 ng/ml
Dextrophan	4.111	22407	600.35	205.9	1419.36	542545	5.0035 ng/ml
Diazepam	5.960	41443	927.37	88.8	1671.67	375970	5.0018 ng/ml
Dihydrocodeine	2.565	20992	1249.66	77.3	205.06	267151	4.8354 ng/ml
Diphenhydramine	5.289	86904	185.28	34.7	1362.39	1087956	5.1097 ng/ml
Doxylamine	4.543	158369	979.62	96.5	31853.01	1422234	5.0287 ng/ml
EDDP	5.254	57646	348.97	39.2	394.24	582994	5.1031 ng/ml
Etizolam	5.820	46928	77468.65	25.1	16298.63	172045	6.0706 ng/ml
Fentanyl	5.109	2353	251.20	64.5	6114.61	250988	0.4988 ng/ml
Flualprazolam	5.705	30610	1478.12	98.3	1640.52	454044	4.9101 ng/ml
Fluoxetine	5.707	32768	15750.92	7.9	1372.77	262421	5.0632 ng/ml
Hydrocodone	3.018	31685	59.86	43.6	62.45	775095	4.8690 ng/ml
Hydromorphone	1.654	30411	1624.14	80.5	47.28	5554	4.9641 ng/ml
Ketamine	4.051	76085	282.30	31.1	185.22	683999	5.0152 ng/ml
Lamotrigine	4.280	7124	129.59	90.9	2057.44	683999	4.7173 ng/ml
Levetiracetam	2.683	34144	379.33	169.3	766.99	1744691	5.1353 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	73737	636.08	60.3	181.00	172045	4.8299 ng/ml
MDA	3.203	108067	576.09	25.5	155.66	499723	4.8022 ng/ml
MDMA	3.296	62627	4535.47	79.6	608.26	111008	5.0274 ng/ml
Meprobamate	4.924	38632	206.62	30.4	∞	361520	4.7781 ng/ml
Methadone	5.653	51571	213.72	58.0	661.65	500769	5.1103 ng/ml
Methamphetamine	3.231	90306	91.01	37.4	69.42	693159	4.8279 ng/ml
Metoprolol	4.326	16483	15872.43	100.8	291.59	1639329	4.8778 ng/ml
Mirtazapine	4.637	60602	884.72	60.3	1264.49	817549	5.3636 ng/ml
Mitragynine	5.244	10567	350.97	38.3	68.60	500769	5.0618 ng/ml
Morphine	1.314	3741	613.74	60.2	1027.13	5554	5.0244 ng/ml
Norbuprenorphine	4.986	190	4.11 Low	85.0	125.78	12962	0.6946 ng/ml
Nordiazepam	5.900	48323	1161.90	49.8	245.75	324178	5.0128 ng/ml
Norfentanyl	4.079	16023	40507.73	36.7	30.35	1405435	0.5199 ng/ml
Norhydrocodone	3.066	4790	30.13	50.0	43.12	96995	5.0137 ng/ml
Noroxycodone	2.909	35005	616.27	44.9	139.91	233428	5.0079 ng/ml
O-desmethyl-tramadol	3.369	180037	13916.16	6.8	863.64	2138639	5.0880 ng/ml
Oxazepam	5.756	82279	98.15	73.1	233.60	688773	4.9485 ng/ml
Oxycodone	2.841	65754	558.76	29.5	14937.90	591980	4.9837 ng/ml
Oxymorphone	1.458	33724	74.06	44.8	311.22	232726	4.9506 ng/ml
Phentermine	3.783	29905	170.76	5.0	77.43	676371	4.8909 ng/ml
Promethazine	5.538	54408	662.76	29.8	171.91	471610	5.0367 ng/ml
Pseudoephedrine	2.610	183950	2632.59	16.6	302.09	1744691	5.1591 ng/ml
Quetiapine	5.562	45748	2740.23	57.4	53292.64	117536	5.0082 ng/ml
Sertraline	5.776	12770	102.44	94.9	177.47	119766	4.9772 ng/ml
Temazepam	5.823	131236	206.84	30.3	201.96	1297913	5.1199 ng/ml
Tramadol	4.246	170960	530.74	3.7	53.59	1639329	4.9536 ng/ml
Trazodone	5.190	41548	22121.03	82.6	1318.75	337621	4.9342 ng/ml
Venlafaxine	5.043	132101	229.89	33.2	277.84	1369714	5.0789 ng/ml
Zolpidem	4.948	147179	1490.16	30.4	2382.02	1530784	5.0206 ng/ml

AM #28 Multi-Drug Quant. Results

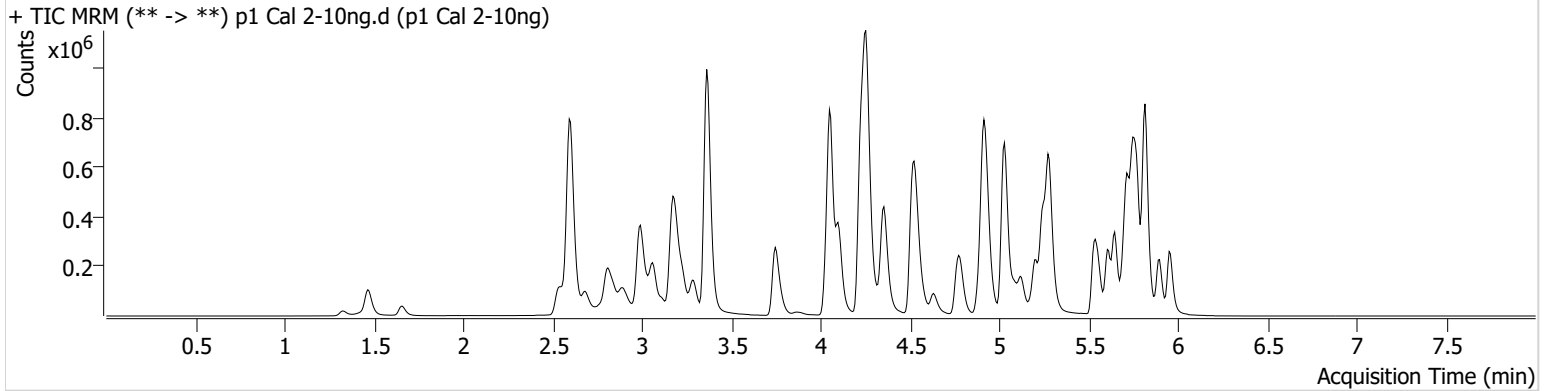
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Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 6/4/2021 10:00:02 AM

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	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	6/3/2021 10:33:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	4230	17542.81	58.6	4171.57	100958	1.0293 ng/ml
7-aminoclonazepam	4.265	92654	389.75	72.3	112838.69	348522	9.7037 ng/ml
a-hydroxyalprazolam	5.699	41193	327.67	54.7	334.60	462000	10.5041 ng/ml
alpha-PHP	4.930	47215	382.82	263.9	1131.26	885328	10.5420 ng/ml
alpha-PVP	4.363	195290	1099.67	53.9	325.81	885328	9.7883 ng/ml
Alprazolam	5.775	136020	1953.75	105.4	810.83	462000	9.8762 ng/ml
Amphetamine	3.063	314362	2199.09	45.9	461.68	314169	10.3943 ng/ml
Benzoylecgonine	3.892	5822	64.64	6.8	49.86	22796	9.9980 ng/ml
Buprenorphine	5.873	2522	145.55	15.5	338.86	87473	0.9702 ng/ml
Bupropion	4.788	147602	146.97	61.6	118.56	531675	9.8970 ng/ml
Carisoprodol	5.724	133847	576676.65	65.4	337.00	684130	9.7573 ng/ml
Citalopram	5.205	80999	629.34	34.3	134897.50	386675	9.7836 ng/ml
Clonazepam	5.612	142943	4094.32	28.0	65657.32	178556	10.0093 ng/ml
Clonazepam	5.549	95660	72102.78	38.9	78527.90	178556	9.7236 ng/ml
Cocaine	4.257	156006	671.87	55.1	351241.33	1596040	9.6154 ng/ml
Codeine	2.593	20095	50524.96	97.3	64903.42	91875	10.2011 ng/ml
Cyclobenzaprine	5.615	36233	21859.17	9.4	95.21	160816	10.0059 ng/ml
Dextromethorphan	5.255	36539	1354.28	77.6	1615.86	172517	10.0393 ng/ml
Dextrophan	4.105	50847	562.39	198.3	486.94	592058	10.1007 ng/ml
Diazepam	5.960	86947	514.22	87.2	545.91	395996	9.9711 ng/ml
Dihydrocodeine	2.565	45202	191.76	73.5	337.73	281091	10.3067 ng/ml
Diphenhydramine	5.282	182025	1796.50	34.2	370.90	1137593	9.7133 ng/ml
Doxylamine	4.536	345381	31122.37	95.0	12984.42	1567216	9.8578 ng/ml
EDDP	5.248	124283	3234.98	40.3	1248.97	643779	9.7406 ng/ml
Etizolam	5.813	95385	1590.26	24.9	41463.79	178556	10.2978 ng/ml
Fentanyl	5.103	4500	80.71	61.3	4285.19	223942	0.9999 ng/ml
Flualprazolam	5.705	61243	2704.13	100.1	15358.78	462000	10.0348 ng/ml
Fluoxetine	5.707	56256	245.51	8.0	20848.88	238130	9.6635 ng/ml
Hydrocodone	3.018	66454	299.22	45.9	221.08	837323	10.0924 ng/ml
Hydromorphone	1.660	63107	920.38	83.1	7275.45	6022	9.8473 ng/ml
Ketamine	4.051	150285	5487.62	31.9	182.58	710775	9.7871 ng/ml
Lamotrigine	4.273	16084	434.41	83.2	494.14	710775	10.8859 ng/ml
Levetiracetam	2.683	70171	267.66	170.1	1833.36	1852105	9.8500 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	147949	866.90	57.6	234.67	178556	10.5283 ng/ml
MDA	3.203	230859	2115.41	25.3	248.73	545328	10.2279 ng/ml
MDMA	3.290	135712	8547.35	80.5	749.41	120030	9.8705 ng/ml
Meprobamate	4.911	78613	304.54	30.2	231.54	368504	10.4679 ng/ml
Methadone	5.646	103068	503.37	56.9	335.43	498033	9.8279 ng/ml
Methamphetamine	3.231	199506	260.97	36.1	253.43	776458	10.2180 ng/ml
Metoprolol	4.319	37133	2507.55	94.8	593.35	1779653	10.2903 ng/ml
Mirtazapine	4.631	118720	906.89	63.4	226.98	885328	8.7652 ng/ml
Mitragynine	5.230	19583	25801.05	39.4	14398.51	498033	9.3673 ng/ml
Morphine	1.334	7669	9300.56	61.5	767.01	6022	9.8359 ng/ml
Norbuprenorphine	4.979	291	791.36	100.4	355.97	13299	1.0225 ng/ml
Nordiazepam	5.900	98489	352.78	49.6	554.17	334774	9.8378 ng/ml
Norfentanyl	4.079	32956	443.12	34.4	161.27	1450397	0.9638 ng/ml
Norhydrocodone	3.059	10913	230.71	41.7	200.22	101751	10.0300 ng/ml
Noroxycodone	2.909	73205	427.81	43.1	969.92	249348	9.9122 ng/ml
O-desmethyl-tramadol	3.369	370474	629.82	6.7	741.83	2234268	9.7939 ng/ml
Oxazepam	5.756	161055	2452.05	74.2	1426.45	685598	9.9507 ng/ml
Oxycodone	2.841	135289	387.97	27.8	998.70	621257	9.9477 ng/ml
Oxymorphone	1.472	69413	3610.58	43.8	1689.25	239787	10.1846 ng/ml
Phentermine	3.783	65275	257.12	4.4	22.44	759467	9.9909 ng/ml
Promethazine	5.532	102163	1701.43	28.6	318.22	432187	9.9953 ng/ml
Pseudoephedrine	2.610	384227	194.18	16.7	2686.79	1852105	9.6633 ng/ml
Quetiapine	5.555	98444	1060659.49	55.6	180318.23	125068	10.0901 ng/ml
Sertraline	5.776	24467	350.06	87.7	708.85	108538	10.1297 ng/ml
Temazepam	5.823	270428	3736.81	29.5	112.13	1308803	9.8112 ng/ml
Tramadol	4.239	369607	392.46	3.5	88.06	1779653	10.0989 ng/ml
Trazodone	5.183	81832	112.46	79.0	454.62	333225	10.1616 ng/ml
Venlafaxine	5.030	295275	163763.93	32.1	225.55	1500751	9.8805 ng/ml
Zolpidem	4.935	307095	7260.26	30.6	209.30	1642402	9.8147 ng/ml

AM #28 Multi-Drug Quant. Results

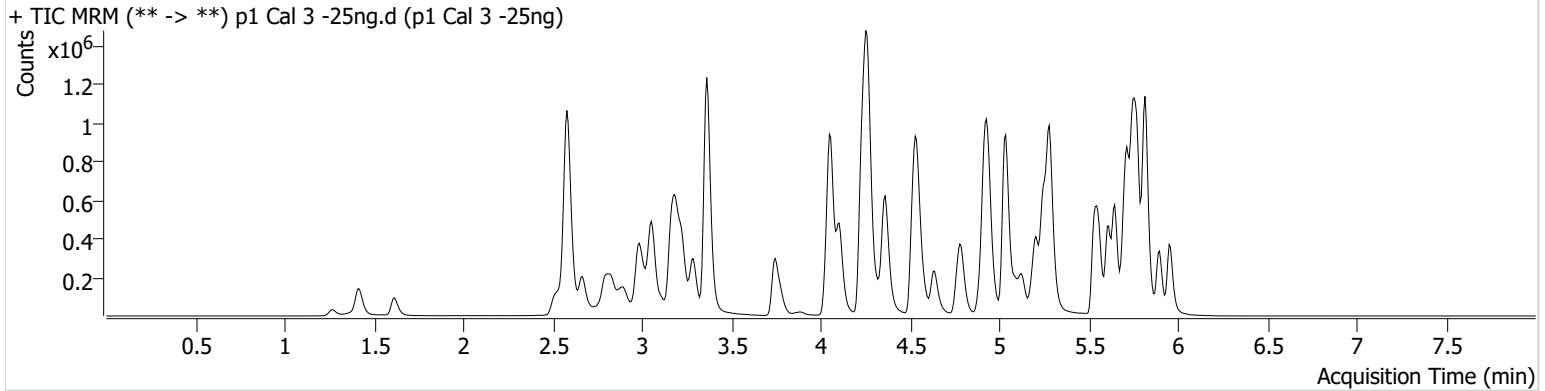
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Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 6/4/2021 10:00:02 AM

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	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	6/3/2021 10:43:38 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	9348	33283.57	66.3	182.45	100526	2.3035 ng/ml
7-aminoclonazepam	4.271	229483	259.94	70.8	246155.68	345522	24.4515 ng/ml
a-hydroxyalprazolam	5.692	98116	447.77	57.6	484.24	457169	26.0983 ng/ml
alpha-PHP	4.937	117989	925.47	266.9	1689.91	914894	26.3937 ng/ml
alpha-PVP	4.370	505348	379.19	52.7	2529.98	914894	23.9902 ng/ml
Alprazolam	5.775	329830	626.72	108.7	679.83	457169	23.8165 ng/ml
Amphetamine	3.056	852371	9743.14	46.4	3942.74	352774	26.3281 ng/ml
Benzoylecgonine	3.892	13689	663.86	8.2	269.87	21785	23.7007 ng/ml
Buprenorphine	5.873	6981	97.21	16.0	2521.97	97873	2.3496 ng/ml
Bupropion	4.788	385675	387.09	63.8	3671.67	559304	24.2662 ng/ml
Carisoprodol	5.724	321907	14080.31	65.6	449.31	669985	23.2975 ng/ml
Citalopram	5.212	238490	6665.83	34.9	34119.51	451616	24.0628 ng/ml
Clonazepam	5.612	353313	13308.62	28.3	7985.56	178889	26.0073 ng/ml
Clonazepam	5.548	234410	3131.96	38.8	147065.85	178889	24.5095 ng/ml
Cocaine	4.257	395666	472.30	54.4	957.08	1586267	24.1111 ng/ml
Codeine	2.566	49070	143192.43	97.0	124641.95	90188	26.3760 ng/ml
Cyclobenzaprine	5.615	123904	355.47	10.0	69.37	229850	23.4312 ng/ml
Dextromethorphan	5.255	107989	178.09	81.4	333293.41	206882	24.2677 ng/ml
Dextrophan	4.105	128327	1627.16	203.2	7500.36	620916	23.9114 ng/ml
Diazepam	5.960	214791	1661.78	88.6	555.27	397900	24.5263 ng/ml
Dihydrocodeine	2.545	109869	413.09	76.5	3012.65	279323	25.7781 ng/ml
Diphenhydramine	5.282	540394	∞	33.5	14098.96	1319238	24.0543 ng/ml
Doxylamine	4.536	891544	22960.99	93.9	2719.64	1630096	24.3216 ng/ml
EDDP	5.248	329680	211.21	40.3	3554.85	679874	24.1131 ng/ml
Etizolam	5.813	233550	10500.89	25.4	105991.54	178889	22.7698 ng/ml
Fentanyl	5.109	16634	430.97	59.6	24325.37	317359	2.5105 ng/ml
Flualprazolam	5.705	152422	3370.51	98.5	402697.28	457169	25.8343 ng/ml
Fluoxetine	5.700	203943	37408.71	8.3	221.91	334266	25.1068 ng/ml
Hydrocodone	3.012	164133	200.88	45.5	144.99	836465	25.9524 ng/ml
Hydromorphone	1.615	152769	1958.15	82.8	400843.52	5678	25.8754 ng/ml
Ketamine	4.051	390479	5827.47	32.4	232.03	734585	25.0326 ng/ml
Lamotrigine	4.280	37711	1527.81	84.9	693.72	734585	25.3840 ng/ml
Levetiracetam	2.670	168815	2088.54	170.1	2945.24	1911678	22.8280 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	343984	9819.42	60.7	380.14	178889	26.1182 ng/ml
MDA	3.196	589450	1210.60	24.9	969.03	567568	26.3469 ng/ml
MDMA	3.290	351230	8176.99	78.8	1506.30	123100	24.5978 ng/ml
Meprobamate	4.917	186082	128540.31	30.5	3839.88	359790	26.7067 ng/ml
Methadone	5.646	313756	943.67	59.6	439.83	624704	23.2271 ng/ml
Methamphetamine	3.231	584015	301.43	35.5	339.17	916906	26.3887 ng/ml
Metoprolol	4.326	92565	36153.56	96.6	1303.82	1816707	25.3540 ng/ml
Mirtazapine	4.637	364137	2186.60	59.9	3828.72	914894	23.7346 ng/ml
Mitragynine	5.237	68823	21214.61	35.2	35192.96	624704	26.1087 ng/ml
Morphine	1.274	17881	5203.91	63.7	908.58	5678	24.8747 ng/ml
Norbuprenorphine	4.986	818	496.18	103.3	2300.40	16011	2.3368 ng/ml
Nordiazepam	5.900	250879	1267.01	49.3	1373.90	336300	24.8581 ng/ml
Norfentanyl	4.079	88491	159.18	34.3	292.95	1553021	2.3073 ng/ml
Norhydrocodone	3.060	27412	429.80	40.7	72.62	96861	25.2676 ng/ml
Noroxycodone	2.903	178823	1197.12	45.2	1387.55	249737	24.3372 ng/ml
O-desmethyl-tramadol	3.369	912790	59966.61	6.9	2206.39	2252349	23.5976 ng/ml
Oxazepam	5.756	388577	4251.23	72.1	239.57	673541	24.7685 ng/ml
Oxycodone	2.827	335955	1781.27	28.9	416.49	628493	24.6862 ng/ml
Oxymorphone	1.418	163265	1486.77	45.7	294.10	239490	24.3852 ng/ml
Phentermine	3.783	176418	∞	4.1	45.29	798810	26.4760 ng/ml
Promethazine	5.532	342307	503.84	28.9	∞	587967	24.1643 ng/ml
Pseudoephedrine	2.589	982552	5955.23	16.8	18258.41	1911678	23.1960 ng/ml
Quetiapine	5.555	282601	11207.27	56.8	92.56	151741	23.8230 ng/ml
Sertraline	5.776	85132	560.15	91.2	102762.50	152329	24.5908 ng/ml
Temazepam	5.823	643506	531.76	28.8	230.49	1265377	23.2358 ng/ml
Tramadol	4.246	909009	12919.89	3.6	1606.73	1816707	24.6630 ng/ml
Trazodone	5.183	256110	215.06	84.4	175.58	436639	24.7101 ng/ml
Venlafaxine	5.037	746295	5849.15	32.5	2374.89	1545981	23.5702 ng/ml
Zolpidem	4.941	773717	1465.16	30.7	138.20	1649054	24.7092 ng/ml

AM #28 Multi-Drug Quant. Results

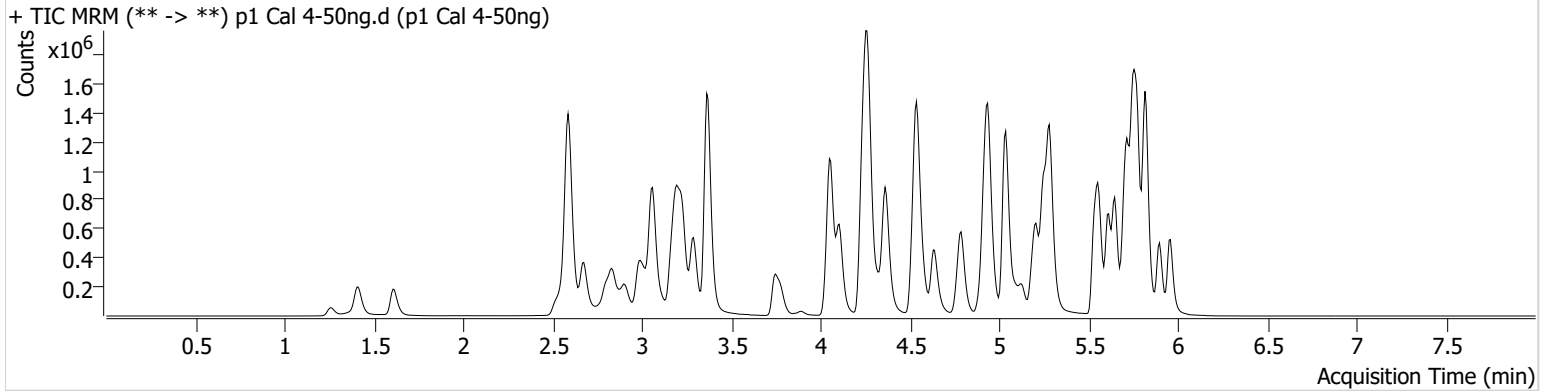
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Calibration Last Update 6/4/2021 10:00:02 AM

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	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	6/3/2021 10:54:14 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	18965	596.95	65.7	60982.71	94704	4.9789 ng/ml
7-aminoclonazepam	4.271	455131	4544.33	70.4	287400.54	318491	52.7707 ng/ml
a-hydroxyalprazolam	5.692	190993	340.55	55.9	6034.63	412941	56.9132 ng/ml
alpha-PHP	4.930	231675	2150.63	269.5	85748.23	852522	56.3197 ng/ml
alpha-PVP	4.370	1002662	1213.38	53.1	1124.23	852522	50.6911 ng/ml
Alprazolam	5.775	668477	1245.65	105.1	1721.26	412941	53.1093 ng/ml
Amphetamine	3.063	1664791	1659.30	45.3	5937.57	323329	57.0873 ng/ml
Benzoylecgonine	3.892	26013	338.75	8.5	3199.28	20995	46.1321 ng/ml
Buprenorphine	5.873	13431	731.49	13.8	1612.71	94489	4.6479 ng/ml
Bupropion	4.788	770866	17426.20	63.6	8782.13	527212	51.2153 ng/ml
Carisoprodol	5.724	618492	1108807.83	65.8	455.91	588324	50.4331 ng/ml
Citalopram	5.212	478842	3431.11	34.5	246625.52	427616	50.5818 ng/ml
Clonazepam	5.612	681559	1125.05	28.8	455853.08	165673	55.1408 ng/ml
Clonazepam	5.549	474928	774246.86	38.6	224184.93	165673	54.2159 ng/ml
Cocaine	4.257	789491	765.92	55.2	486.28	1505384	50.3923 ng/ml
Codeine	2.573	98336	1841.42	94.2	239944.44	84177	57.4034 ng/ml
Cyclobenzaprine	5.615	246381	445.03	10.0	542.48	207985	51.0530 ng/ml
Dextromethorphan	5.255	214358	148.92	82.3	18606.77	190545	51.9276 ng/ml
Dextrophan	4.105	263009	9716.69	195.7	966.00	583413	51.8247 ng/ml
Diazepam	5.960	422986	832.81	88.8	1042.43	365235	52.6285 ng/ml
Dihydrocodeine	2.552	221950	312.56	73.5	1069.52	263056	55.7454 ng/ml
Diphenhydramine	5.282	1084687	17990.32	33.9	229.59	1239828	50.7833 ng/ml
Doxylamine	4.536	1807737	76932.78	94.0	104424.59	1520371	52.7613 ng/ml
EDDP	5.254	670146	1551.00	42.3	3684.43	660453	50.2009 ng/ml
Etizolam	5.813	458658	23975.34	25.9	194815.07	165673	46.4234 ng/ml
Fentanyl	5.109	31830	1958.91	59.0	61.30	295350	5.0980 ng/ml
Flualprazolam	5.705	290047	7883.59	100.8	35914.88	412941	54.8612 ng/ml
Fluoxetine	5.700	370444	17824.04	8.2	294.91	293970	51.9562 ng/ml
Hydrocodone	3.012	325733	533.34	45.9	311.27	784410	55.6806 ng/ml
Hydromorphone	1.608	306287	3110.71	83.5	2705.55	5523	53.7412 ng/ml
Ketamine	4.051	771527	585.69	32.3	2049.14	681449	53.6362 ng/ml
Lamotrigine	4.280	76341	3679.96	80.5	969.09	681449	56.0352 ng/ml
Levetiracetam	2.676	330169	3961.18	172.2	4897.19	1729007	49.2505 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	617635	21447.04	61.5	1105.89	165673	51.8349 ng/ml
MDA	3.196	1144785	7404.06	25.3	780.20	510417	57.9000 ng/ml
MDMA	3.290	700193	3223.05	79.5	3522.52	114641	52.4225 ng/ml
Meprobamate	4.917	352157	26500.01	31.4	4711.79	335310	55.1927 ng/ml
Methadone	5.646	645321	15780.06	58.2	2065.08	579362	50.9789 ng/ml
Methamphetamine	3.231	1133633	708.78	36.1	568.91	858285	55.4907 ng/ml
Metoprolol	4.326	182119	241428.52	98.3	1614.26	1711304	53.1262 ng/ml
Mirtazapine	4.637	732842	738.93	59.9	23380.02	852522	49.9174 ng/ml
Mitragynine	5.237	135355	1567.50	38.3	330.87	579362	55.2822 ng/ml
Morphine	1.261	36298	4012.07	63.2	67.55	5523	52.3244 ng/ml
Norbuprenorphine	4.986	1678	74.86	92.0	5.39 Low	15173	5.0183 ng/ml
Nordiazepam	5.900	498467	1624.91	49.7	521.57	310857	53.3668 ng/ml
Norfentanyl	4.079	173157	346.74	34.6	355.33	1436597	4.7995 ng/ml
Norhydrocodone	3.060	45707	263.10	45.3	178.34	85217	47.2324 ng/ml
Noroxycodone	2.903	355039	430.86	44.0	1226.13	224568	53.8714 ng/ml
O-desmethyl-tramadol	3.369	1867040	69289.88	6.7	20586.64	2094402	51.6249 ng/ml
Oxazepam	5.756	761306	226.88	70.9	565.52	580215	56.6216 ng/ml
Oxycodone	2.834	677587	1406.37	28.5	1701.91	582889	53.9012 ng/ml
Oxymorphone	1.411	318792	∞	46.3	∞	218056	52.6332 ng/ml
Phentermine	3.783	347525	602.94	4.1	165.60	757945	55.5179 ng/ml
Promethazine	5.532	672551	11906.78	28.8	1249.33	547467	50.6457 ng/ml
Pseudoephedrine	2.596	1947837	791.40	16.8	23221.06	1729007	50.2417 ng/ml
Quetiapine	5.555	564335	357931.39	59.1	430058.06	139446	51.7240 ng/ml
Sertraline	5.776	148105	5854.93	92.3	133278.54	126749	51.0296 ng/ml
Temazepam	5.823	1255583	10793.20	28.5	1511.73	1127175	50.1526 ng/ml
Tramadol	4.246	1827883	26395.26	3.6	223.39	1711304	52.9159 ng/ml
Trazodone	5.190	513722	6516.09	85.4	83750.81	410249	53.1127 ng/ml
Venlafaxine	5.037	1510619	27742.22	32.7	1004.38	1426324	51.1603 ng/ml
Zolpidem	4.941	1551526	8099.61	30.7	4520.22	1548583	52.8250 ng/ml

AM #28 Multi-Drug Quant. Results

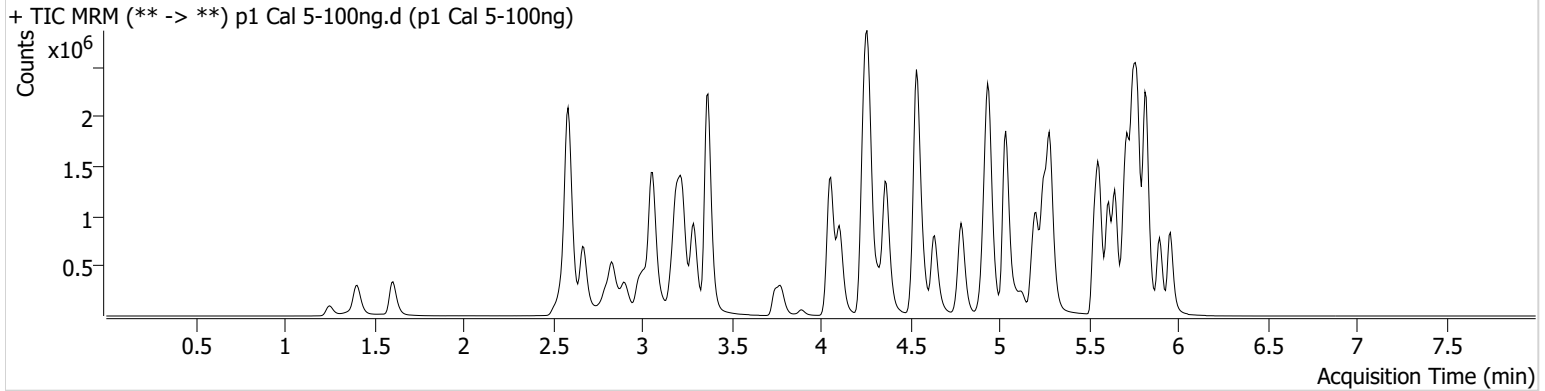
SC



Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 6/4/2021 10:00:02 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	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	6/3/2021 11:04:51 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	37689	716.33	66.3	105195.75	94269	9.9560 ng/ml
7-aminoclonazepam	4.271	835680	10307.25	70.2	14884.94	301067	102.6326 ng/ml
a-hydroxyalprazolam	5.692	323989	701.26	55.9	481.76	406672	98.4509 ng/ml
alpha-PHP	4.937	402297	3978.77	268.4	1443.26	803409	104.3111 ng/ml
alpha-PVP	4.370	1839691	16169.68	52.9	19613.72	803409	98.3664 ng/ml
Alprazolam	5.775	1238739	5180.25	104.3	2514.56	406672	99.6985 ng/ml
Amphetamine	3.063	2843571	85376.70	45.8	798.31	297452	106.7359 ng/ml
Benzoylecgonine	3.892	57006	13430.03	8.3	191.59	21426	98.3571 ng/ml
Buprenorphine	5.873	23991	437.98	15.7	2374.58	85542	9.1368 ng/ml
Bupropion	4.788	1374319	1214.52	63.7	504.09	477056	100.7006 ng/ml
Carisoprodol	5.724	1093703	40499.02	65.9	2916.43	546071	95.6703 ng/ml
Citalopram	5.212	875785	8187.36	34.6	688264.99	400566	98.3830 ng/ml
Clonazepam	5.612	1243134	61295.03	29.1	2987.44	155410	108.0617 ng/ml
Clonazepam	5.549	869902	11537.44	39.6	756668.49	155410	106.3414 ng/ml
Cocaine	4.264	1462943	1325.05	55.1	17562.13	1417031	98.9344 ng/ml
Codeine	2.573	176389	3410.24	92.1	432.20	82400	105.7453 ng/ml
Cyclobenzaprine	5.615	482964	1451.27	9.7	122.01	210232	98.6629 ng/ml
Dextromethorphan	5.262	381038	15974.28	81.8	196.89	174534	100.4684 ng/ml
Dextrophan	4.111	471366	4140.05	198.7	689.65	548442	98.5477 ng/ml
Diazepam	5.960	795065	36597.22	88.4	12959.79	361286	100.0116 ng/ml
Dihydrocodeine	2.552	422302	1023.45	75.1	1113.75	267829	104.5174 ng/ml
Diphenhydramine	5.289	1917542	57632.29	33.9	462.27	1151440	96.1974 ng/ml
Doxylamine	4.536	3360788	14716.13	95.3	1622.22	1472565	101.1849 ng/ml
EDDP	5.254	1162666	691.41	40.5	2563.59	588895	97.4578 ng/ml
Etizolam	5.813	864330	18833.62	25.6	1758.73	155410	91.5860 ng/ml
Fentanyl	5.109	62249	482.28	57.5	57148.88	291059	10.0574 ng/ml
Flualprazolam	5.705	527957	6557.31	103.3	39880.81	406672	101.7340 ng/ml
Fluoxetine	5.707	650494	33149.57	8.3	612.99	270684	99.1687 ng/ml
Hydrocodone	3.012	612322	∞	45.4	1342.37	756252	109.2123 ng/ml
Hydromorphone	1.608	590509	1344986.36	82.9	6231.22	5640	101.7849 ng/ml
Ketamine	4.051	1449938	1656.33	32.6	635.83	681467	101.0447 ng/ml
Lamotrigine	4.280	137761	1537.19	83.5	1974.31	681467	101.5527 ng/ml
Levetiracetam	2.676	654191	7469.47	171.2	1417.44	1710147	98.5618 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	995448	5289.93	60.1	1345.82	155410	89.9762 ng/ml
MDA	3.196	1960775	4227.02	25.4	1564.50	477090	106.8172 ng/ml
MDMA	3.290	1268975	12361.68	79.6	7176.52	109610	99.1837 ng/ml
Meprobamate	4.917	633465	385.54	31.0	17595.00	330567	101.4751 ng/ml
Methadone	5.646	1176512	2799.44	60.3	11037.49	555668	96.5108 ng/ml
Methamphetamine	3.231	1969534	3508.73	35.8	3344.46	788424	105.5882 ng/ml
Metoprolol	4.326	343607	196513.29	95.2	3319.62	1685949	101.8849 ng/ml
Mirtazapine	4.637	1309599	3848.93	60.4	349901.43	803409	93.6173 ng/ml
Mitragynine	5.237	238572	779808.90	38.8	84119.15	555668	101.5298 ng/ml
Morphine	1.253	69844	28806.05	64.9	5910.18	5640	98.9137 ng/ml
Norbuprenorphine	4.986	3023	264.01	96.6	307.74	13245	10.3166 ng/ml
Nordiazepam	5.900	910506	1460.61	50.4	5520.18	299643	101.0775 ng/ml
Norfentanyl	4.079	329582	245.39	33.9	665.18	1380880	9.4325 ng/ml
Norhydrocodone	3.060	85225	249.51	43.3	182.97	77286	96.3343 ng/ml
Noroxycodone	2.903	634397	3109.33	44.1	2028.01	213093	101.5422 ng/ml
O-desmethyl-tramadol	3.369	3633140	48392.95	6.7	8138.26	2109603	99.5159 ng/ml
Oxazepam	5.756	1262331	24121.22	71.7	634.16	521418	104.6635 ng/ml
Oxycodone	2.827	1294851	1980.25	28.8	1439.82	588212	102.2362 ng/ml
Oxymorphone	1.405	599627	765.10	44.6	913.92	213054	101.5975 ng/ml
Phentermine	3.783	600245	8168.85	4.2	255.51	704780	103.5630 ng/ml
Promethazine	5.532	1274679	1482.43	28.6	793.57	547953	95.6264 ng/ml
Pseudoephedrine	2.589	3712391	1095.08	16.7	46416.44	1710147	96.3445 ng/ml
Quetiapine	5.555	1055488	64556.87	58.5	300.11	134178	100.5041 ng/ml
Sertraline	5.776	276923	16869.22	90.3	12008.46	121479	99.2166 ng/ml
Temazepam	5.823	2234197	24278.47	28.5	329.70	1017989	98.2085 ng/ml
Tramadol	4.246	3445368	46452.07	3.6	520.17	1685949	101.4563 ng/ml
Trazodone	5.190	989049	742.89	83.4	25939.43	406966	103.3786 ng/ml
Venlafaxine	5.037	2751177	1707.02	32.5	602.11	1357629	97.4669 ng/ml
Zolpidem	4.941	2982607	205885.47	30.5	81207.33	1515457	103.8208 ng/ml

AM #28 Multi-Drug Quant. Results

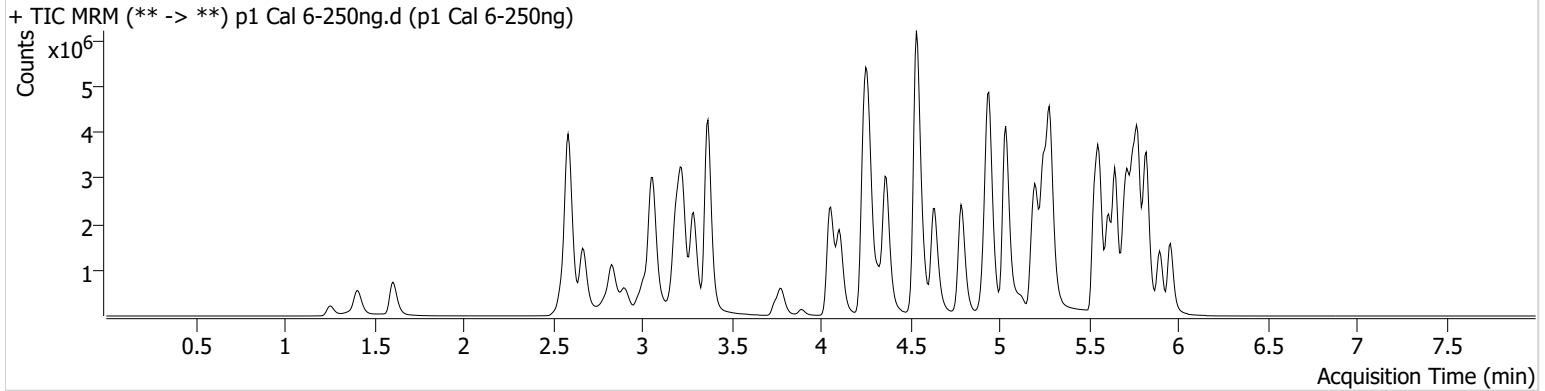
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Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 6/4/2021 10:00:02 AM

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	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	6/3/2021 11:15:27 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	93660	31526.31	65.6	85511.53	93754	24.9009 ng/ml
7-aminoclonazepam	4.278	1530489	25745.11	71.0	4839.65	226976	249.5205 ng/ml
a-hydroxyalprazolam	5.692	544063	1196.61	54.9	621.50	326402	206.6148 ng/ml
alpha-PHP	4.937	1046509	54022.47	269.9	56092.82	832343	262.8750 ng/ml
alpha-PVP	4.370	4815978	65903.13	52.5	1658.43	832343	248.0260 ng/ml
Alprazolam	5.775	2508372	2983.98	106.3	3320.84	326402	251.1273 ng/ml
Amphetamine	3.063	6508136	25335.06	45.1	5987.30	314273	232.2259 ng/ml
Benzoylecgonine	3.892	137299	165.58	7.8	433.12	21663	233.4581 ng/ml
Buprenorphine	5.873	80275	612.31	14.6	10287.07	100410	25.9816 ng/ml
Bupropion	4.788	3913920	109987.16	62.4	1936.29	546368	250.0863 ng/ml
Carisoprodol	5.724	1957048	13793862.20	67.2	9806.65	377199	247.1059 ng/ml
Citalopram	5.212	2540998	40580.34	34.2	23563.79	457905	249.0959 ng/ml
Clonazepam	5.612	2284377	35983.23	28.9	504.34	122935	252.2139 ng/ml
Clonazepam	5.549	1716975	1028372.39	38.4	958694.74	122935	266.0892 ng/ml
Cocaine	4.257	3506680	200460.67	54.0	975.66	1358777	246.9017 ng/ml
Codeine	2.573	342607	1185.19	93.7	391.64	74079	229.2462 ng/ml
Cyclobenzaprine	5.615	1451389	341376.56	9.7	1101.35	253645	245.2062 ng/ml
Dextromethorphan	5.255	1126702	15418.20	80.3	251.24	209097	247.4957 ng/ml
Dextrophan	4.105	1230498	2037.64	198.2	295139.96	562410	250.4339 ng/ml
Diazepam	5.960	1726986	17007.53	88.6	7967.80	317869	246.9227 ng/ml
Dihydrocodeine	2.552	932660	2158.15	77.7	1584.67	260912	237.4453 ng/ml
Diphenhydramine	5.289	6012125	65502.06	33.5	391.38	1406548	246.0914 ng/ml
Doxylamine	4.536	9105239	9688.83	94.6	8861.37	1546350	260.9026 ng/ml
EDDP	5.248	3586664	831.22	41.6	56582.90	712618	248.0845 ng/ml
Etizolam	5.813	1794160	2687.25	25.6	1046882.32	122935	237.6368 ng/ml
Fentanyl	5.109	196645	353.10	59.6	256916.89	382830	24.0704 ng/ml
Flualprazolam	5.705	1026271	12763.10	108.4	13565.27	326402	246.9481 ng/ml
Fluoxetine	5.707	1709556	240069.36	8.3	10332.40	283960	248.5816 ng/ml
Hydrocodone	3.012	1335326	776.13	48.0	186.28	750391	240.8394 ng/ml
Hydromorphone	1.608	1305659	14075.48	83.8	2798977.24	5022	253.3069 ng/ml
Ketamine	4.051	3547779	1588.75	31.9	1091.84	676076	249.6263 ng/ml
Lamotrigine	4.280	273934	7247.51	85.6	259.92	676076	204.0892 ng/ml
Levetiracetam	2.670	1428664	13075.48	169.8	1350.50	1536603	239.4152 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1323701	50993.67	61.0	8784.42	122935	152.1212 ng/ml
MDA	3.196	4206680	2404.63	24.8	5685.07	443940	247.4076 ng/ml
MDMA	3.290	3242639	230614.17	79.7	7908.44	112438	246.7688 ng/ml
Meprobamate	4.917	1114847	236.64	30.6	9283.16	292601	202.6814 ng/ml
Methadone	5.646	3782750	26928.19	59.6	64495.99	691630	248.6113 ng/ml
Methamphetamine	3.231	5189746	13085.21	35.6	2615.82	885058	248.8135 ng/ml
Metoprolol	4.326	824575	5107.22	96.0	31402.27	1588321	259.7700 ng/ml
Mirtazapine	4.637	3957025	2866.65	59.6	198321.56	832343	270.8155 ng/ml
Mitragynine	5.237	700857	1172.81	38.6	1579.61	691630	239.5293 ng/ml
Morphine	1.261	161161	5756.53	64.8	149326.64	5022	256.9193 ng/ml
Norbuprenorphine	4.986	9400	16294.12	89.7	7188.77	17011	24.9274 ng/ml
Nordiazepam	5.900	1860314	67739.66	50.3	9351.53	250346	247.1019 ng/ml
Norfentanyl	4.079	794761	780811.09	35.1	277.22	1291888	24.1977 ng/ml
Norhydrocodone	3.059	181055	186.65	42.5	121.53	61550	255.7594 ng/ml
Noroxycodone	2.903	1276947	1933.66	44.9	1197.48	174226	250.1503 ng/ml
O-desmethyl-tramadol	3.369	8873591	307074.18	6.5	172149.11	1979574	258.6466 ng/ml
Oxazepam	5.756	1939271	14072.28	71.0	754.26	334252	251.1437 ng/ml
Oxycodone	2.827	3051929	3491.33	28.6	25327.08	566752	250.3585 ng/ml
Oxymorphone	1.405	1336082	∞	44.8	∞	195543	247.0723 ng/ml
Phentermine	3.783	1481317	1591.89	4.0	2832.64	763213	236.6654 ng/ml
Promethazine	5.532	4110704	753.52	28.6	4629.19	670842	251.3870 ng/ml
Pseudoephedrine	2.589	8700538	12057.99	16.0	112148.46	1536603	250.4883 ng/ml
Quetiapine	5.562	2941805	648244.51	58.7	565.01	152420	246.5394 ng/ml
Sertraline	5.776	712859	832.18	90.4	1286.36	126089	245.5450 ng/ml
Temazepam	5.823	4073767	33369.33	27.6	400.90	742996	244.4116 ng/ml
Tramadol	4.246	8378545	78731.74	3.5	1934.30	1588321	262.2627 ng/ml
Trazodone	5.190	3018292	4301.42	83.1	89628.35	517591	248.4968 ng/ml
Venlafaxine	5.037	7472001	3657.26	31.7	1577.52	1426198	251.2535 ng/ml
Zolpidem	4.941	7127602	7482.94	29.3	16351.39	1479537	254.2041 ng/ml

AM #28 Multi-Drug Quant. Results

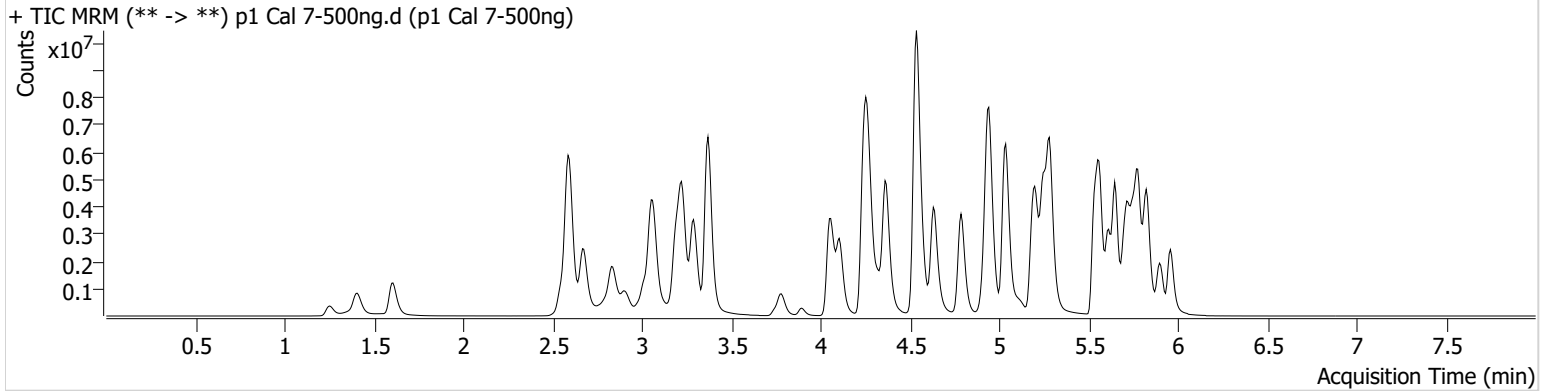
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Calibration Last Update 6/4/2021 10:00:02 AM

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	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	6/3/2021 11:26:03 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	176685	816.91	63.8	540.04	86853	50.7236 ng/ml
7-aminoclonazepam	4.278	2201041	29567.32	67.8	16115.99	161638	504.0355 ng/ml
a-hydroxyalprazolam	5.692	676629	4929.54	56.8	1404.97	264508	317.3952 ng/ml
alpha-PHP	4.930	1512120	40404.95	272.9	84824.45	696650	454.2778 ng/ml
alpha-PVP	4.370	8233817	155341.93	52.3	5451.38	696650	506.2818 ng/ml
Alprazolam	5.775	4029552	918.78	104.7	1045.12	264508	497.5591 ng/ml
Amphetamine	3.063	9426076	46628.68	45.4	8959.34	260120	407.0189 ng/ml
Benzoylcegonine	3.892	300790	64481.61	7.9	2141.71	21171	522.5707 ng/ml
Buprenorphine	5.873	122496	5405.67	14.4	19427.10	67905	58.5815 ng/ml
Bupropion	4.788	6140606	3836.75	63.5	16292.04	431131	497.0289 ng/ml
Carisoprodol	5.730	2777712	475929.29	65.2	4748.52	253961	520.4158 ng/ml
Citalopram	5.212	3842729	46029.44	34.6	585.08	348095	495.1492 ng/ml
Clonazepam	5.612	3298974	104850.52	28.9	24317.74	94746	473.3838 ng/ml
Clonazepam	5.549	2461253	665052.34	38.7	2075621.53	94746	495.3517 ng/ml
Cocaine	4.257	5765719	1441.51	54.5	784.04	1096459	502.7956 ng/ml
Codeine	2.566	538416	1242.57	91.7	11906.82	63794	418.9029 ng/ml
Cyclobenzaprine	5.615	2395562	2954.41	9.7	42695.14	203872	503.1426 ng/ml
Dextromethorphan	5.255	1603733	362.06	82.7	9405.29	148055	497.1990 ng/ml
Dextrophan	4.105	1933275	3339.08	206.0	2408.86	445106	496.8821 ng/ml
Diazepam	5.960	2934773	∞	88.8	21677.91	268927	495.9830 ng/ml
Dihydrocodeine	2.545	1588647	659.26	78.3	27864.02	245234	430.6296 ng/ml
Diphenhydramine	5.282	9268103	1452.60	33.1	940.49	1027058	518.9610 ng/ml
Doxylamine	4.536	15892200	110578.48	94.3	294143.47	1359845	517.7375 ng/ml
EDDP	5.248	5713771	36313.86	39.4	914.90	550089	511.7348 ng/ml
Etizolam	5.813	3067891	6139.33	25.0	1016059.78	94746	525.2157 ng/ml
Fentanyl	5.103	346247	9747.27	60.6	281.24	325365	49.8028 ng/ml
Flualprazolam	5.705	1623065	9320.89	107.2	64736.32	264508	482.3144 ng/ml
Fluoxetine	5.707	2294943	53158.38	8.0	1931.23	190021	498.7654 ng/ml
Hydrocodone	3.012	2393992	547.78	44.6	539.56	693073	468.1282 ng/ml
Hydromorphone	1.608	2264301	8802450.15	83.9	2961334.86	4635	476.3594 ng/ml
Ketamine	4.051	6411381	152065.84	31.6	12632.75	621398	491.0804 ng/ml
Lamotrigine	4.280	420037	18855.66	83.8	1140.35	621398	340.8401 ng/ml
Levetiracetam	2.676	2470448	44263.69	170.0	8760.60	1233351	515.6762 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1489373	26451.94	59.3	881.94	94746	222.6714 ng/ml
MDA	3.196	6036526	40476.22	23.4	8875.14	338867	465.8705 ng/ml
MDMA	3.290	5234209	19902.87	80.1	14676.03	88520	505.7456 ng/ml
Meprobamate	4.911	1570945	19155.90	30.6	487.55	246929	339.0502 ng/ml
Methadone	5.646	5887481	98601.95	57.7	37334.13	515289	518.8805 ng/ml
Methamphetamine	3.231	8442379	33598.21	34.4	1669.93	756585	474.1322 ng/ml
Metoprolol	4.326	1317126	4181.78	95.9	4518.24	1369598	481.3394 ng/ml
Mirtazapine	4.631	6640131	77013.69	59.8	59894.03	696650	541.7966 ng/ml
Mitragynine	5.237	1148463	3851.37	38.4	790.38	515289	526.7380 ng/ml
Morphine	1.253	283237	1295.10	67.0	14137.77	4635	489.6307 ng/ml
Norbuprenorphine	4.986	13187	5980.70	104.5	315.83	12260	48.4899 ng/ml
Nordiazepam	5.900	2866545	100856.95	50.2	25405.03	195529	487.4473 ng/ml
Norfentanyl	4.079	1334023	23599.24	34.6	13473.99	1007698	51.9870 ng/ml
Norhydrocodone	3.060	311336	275.06	44.1	387.05	51361	526.2635 ng/ml
Noroxycodone	2.903	1924342	4633.01	44.7	17532.72	134550	488.2410 ng/ml
O-desmethyl-tramadol	3.369	15596145	183390.49	6.5	25848.31	1719962	522.9712 ng/ml
Oxazepam	5.749	2155780	17222.65	69.8	4578.72	196839	474.2812 ng/ml
Oxycodone	2.827	5422746	2539.56	28.8	771.18	521202	483.8923 ng/ml
Oxymorphone	1.405	2169706	∞	46.8	346.45	159221	493.0514 ng/ml
Phentermine	3.783	2216891	2264.91	4.0	128.34	621298	435.5174 ng/ml
Promethazine	5.532	7030130	71669.68	28.0	1729.03	564468	510.6218 ng/ml
Pseudoephedrine	2.596	14582388	130263.76	15.9	68953.88	1233351	522.5034 ng/ml
Quetiapine	5.562	5033969	29440.84	59.3	44786.83	133938	480.0540 ng/ml
Sertraline	5.776	1002570	328.27	91.2	31474.86	87607	496.6664 ng/ml
Temazepam	5.830	5617164	75153.43	28.2	61792.88	489844	510.4961 ng/ml
Tramadol	4.239	13856639	857.34	3.5	358.86	1369598	503.2199 ng/ml
Trazodone	5.183	5423384	1421.49	84.7	605.88	461590	501.0012 ng/ml
Venlafaxine	5.037	12594855	4190.37	30.7	82255.48	1155603	522.1848 ng/ml
Zolpidem	4.941	12735496	16074.23	28.9	4873.98	1343773	500.1499 ng/ml

AM #28 Multi-Drug Quant. Results

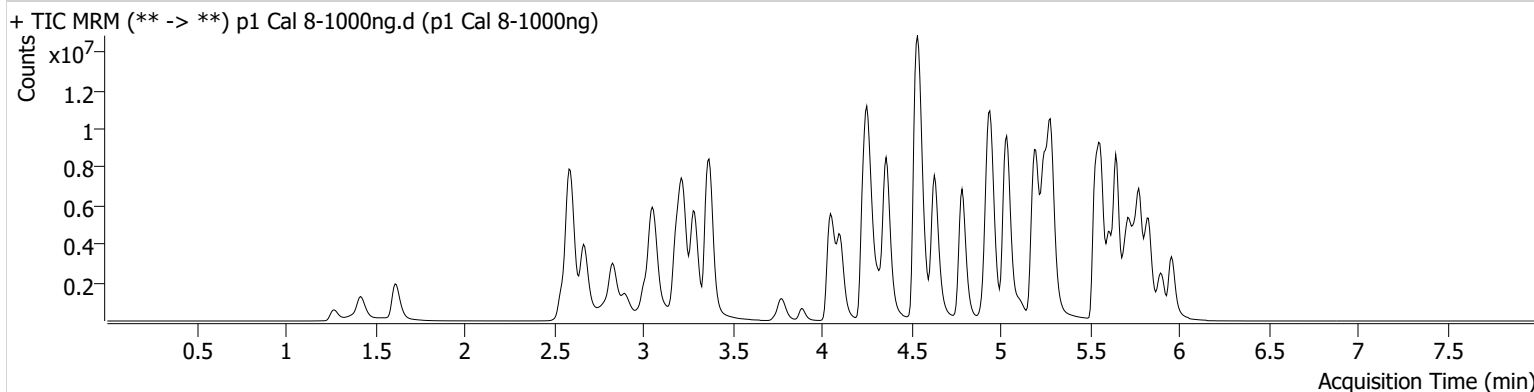
SC



Batch results D:\MassHunter\Data\2021\AM 27-28\060321 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 6/4/2021 10:00:02 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	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	6/3/2021 11:36:39 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	337453	6077.74	66.3	3019.68	80456	104.5967 ng/ml
7-aminoclonazepam	4.278	2344366	22035.89	71.0	6614.61	91247	951.1290 ng/ml
a-hydroxyalprazolam	5.685	783400	143.13	57.2	572.70	189573	513.0952 ng/ml
alpha-PHP	4.930	2422700	27980.26	275.6	73750.77	624280	812.7138 ng/ml
alpha-PVP	4.363	15183757	215191.54	52.6	238392.06	624280	1041.4848 ng/ml
Alprazolam	5.775	5755489	∞	105.6	814.02	189573	991.3272 ng/ml
Amphetamine	3.056	13816483	91348.93	45.0	44207.30	224643	691.4191 ng/ml
Benzoylcegonine	3.886	702713	14795.73	8.0	219015.98	22504	1147.8041 ng/ml
Buprenorphine	5.873	244944	363305.44	14.5	69159.70	55848	142.3789 ng/ml
Bupropion	4.788	11794787	1007.56	63.0	4683.95	409184	1005.6724 ng/ml
Carisoprodol	5.730	3390450	655886.72	66.2	17158.89	150525	1071.2296 ng/ml
Citalopram	5.212	6597941	134659.30	33.7	2522.17	279295	1059.1441 ng/ml
Clonazepam	5.612	3956243	43988.26	28.5	4695.47	63978	841.4072 ng/ml
Clonazepam	5.549	2812841	116598.79	39.3	355396.36	63978	838.7122 ng/ml
Cocaine	4.257	9670166	129706.80	52.4	1078.24	873986	1057.6343 ng/ml
Codeine	2.566	769926	291.17	91.9	13040.93	51032	749.3493 ng/ml
Cyclobenzaprine	5.615	4621769	36261.79	9.3	14717.73	187245	1056.5096 ng/ml
Dextromethorphan	5.255	2698779	312.17	82.2	29012.95	124124	997.6750 ng/ml
Dextrophan	4.105	3367964	4085.34	205.7	25897.54	379375	1015.3023 ng/ml
Diazepam	5.960	4460155	∞	89.5	17291.81	204937	989.1461 ng/ml
Dihydrocodeine	2.545	2622836	887.85	77.5	312.51	239466	728.3599 ng/ml
Diphenhydramine	5.289	15984656	102169.07	34.1	1756.57	879556	1044.6228 ng/ml
Doxylamine	4.541	26512774	283535.24	96.2	357078.13	1320434	889.4460 ng/ml
EDDP	5.248	10713866	93987.49	39.2	46601.25	504318	1046.3930 ng/ml
Etizolam	5.820	4787181	7098.61	24.7	3821.56	63978	1211.5138 ng/ml
Fentanyl	5.109	740615	22258.81	58.0	12783.14	341607	101.3997 ng/ml
Flualprazolam	5.705	2203884	17817.05	109.1	31704.17	189573	914.1398 ng/ml
Fluoxetine	5.707	3468788	47948.28	8.0	366813.38	144121	994.0679 ng/ml
Hydrocodone	3.012	4125160	333.38	45.9	555.70	640445	873.5197 ng/ml
Hydromorphone	1.615	3850279	1763222.48	84.4	12408879.9	4043	928.8097 ng/ml
					2		
Ketamine	4.051	11326290	157537.39	30.7	1000.84	565763	953.1144 ng/ml
Lamotrigine	4.280	538799	1173.35	85.3	40424.36	565763	480.4246 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.670	4005690	1610.61	173.0	1867.70	924641	1115.1878 ng/ml
Lorazepam	5.747	1502507	25556.60	60.0	570.56	63978	333.2956 ng/ml
MDA	3.189	8660917	36740.18	23.2	4648.74	278016	815.3540 ng/ml
MDMA	3.290	8977975	16565.41	79.3	102172.46	77966	984.7062 ng/ml
Meprobamate	4.911	1878386	201823.56	31.2	19772.07	215906	463.9982 ng/ml
Methadone	5.646	11276573	407327.04	59.5	69073.33	487903	1049.1734 ng/ml
Methamphetamine	3.224	14126224	29425.11	34.2	20479.09	708417	847.8484 ng/ml
Metoprolol	4.319	2110135	4089.42	96.0	76128.04	1176142	898.1180 ng/ml
Mirtazapine	4.631	13097214	110763.84	60.0	25954.95	624280	1191.1497 ng/ml
Mitragynine	5.230	1804474	62906.99	37.9	2311.22	487903	874.0190 ng/ml
Morphine	1.274	491357	36052.43	66.8	27282.22	4043	973.9726 ng/ml
Norbuprenorphine	4.986	27682	364.80	94.4	6207.53	11988	104.0546 ng/ml
Nordiazepam	5.906	3936376	887.92	50.0	230.05	133829	977.9155 ng/ml
Norfentanyl	4.079	2262706	58155.39	34.5	10054.73	763654	116.2672 ng/ml
Norhydrocodone	3.053	582236	176.23	42.8	166.68	37362	1351.7880 ng/ml
Noroxycodone	2.903	2832393	2702.66	45.9	402.18	100337	963.7752 ng/ml
O-desmethyl-tramadol	3.369	23931591	219712.46	7.2	1791.02	1451190	950.9087 ng/ml
Oxazepam	5.749	1994839	31593.44	72.1	5529.08	96837	892.2851 ng/ml
Oxycodone	2.827	9653429	7510.79	28.5	1358.80	471975	951.4361 ng/ml
Oxymorphone	1.418	3727840	∞	45.0	∞	138669	972.9665 ng/ml
Phentermine	3.777	3574799	∞	4.0	596.30	590857	738.8218 ng/ml
Promethazine	5.532	13450738	126785.50	28.7	4571.04	534938	1030.5871 ng/ml
Pseudoephedrine	2.596	22163402	61902.63	16.2	77160.00	924641	1058.7615 ng/ml
Quetiapine	5.562	9438653	102558.38	58.4	77548.81	114741	1050.6488 ng/ml
Sertraline	5.776	1557173	56066.31	90.8	37416.60	66253	1019.6825 ng/ml
Temazepam	5.830	6685647	75524.88	27.8	4139.20	274972	1081.7014 ng/ml
Tramadol	4.239	20910999	1360.63	3.8	880.03	1176142	884.4959 ng/ml
Trazodone	5.183	10957101	104601.94	85.8	93708.30	509896	916.5646 ng/ml
Venlafaxine	5.037	21185282	115504.63	33.2	4110.11	1008438	1006.0973 ng/ml
Zolpidem	4.941	20743693	376809.85	30.3	285974.43	1197477	914.2189 ng/ml