

Worklist: 4872

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-0843	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1061	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1132	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1162	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0609	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0612	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0784	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0786	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0787	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0788	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0790	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0791	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0796	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0812	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0833	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0835	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0839	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0846	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 03/31/21
 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

Blank Blood Lot: Lampire 20L20724
LCMS-QQQ ID: 069901

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

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

Pre-Analytic:

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

Analytic:

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

Post-Analytic

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

COMMENTS: *Curves limited: Alpha-hydroxyalprazolam 5-250, Amphetamine 5-500, Buprenorphine 0.5-50, Clonazepam 5-500, Codeine 5-500, Dihydrocodeine 5-500, Etizolam 5-500, Lamotrigine 5-250, Lorazepam 5-100, MDA 5-500, Meprobamate 5-100, Mirtazapine 5-250, 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

SC

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1			IS + Cal. 1	IS + QC_1			p2021-0791-1	p2021-0786-1	m2021-0843-2	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2			IS + Cal. 2	IS + QC_2			p2021-0835-1	p2021-0790-1	m2021-1061-3	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3			IS + Cal. 3	IS + QC_3			p2021-0839-1	p2021-0784-1	negative	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4			IS + Cal. 4	IS + QC_4			p2021-0846-1	p2021-0788-1	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2			IS + Cal. 5	IS + QC_2			p2021-0812-1	m2021-1162-2	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6				IS + Cal. 6				p2021-0796-1	p2021-0612-1	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7				IS + Cal. 7				p2021-0787-1	m2021-1132-3	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8				IS + Cal. 8				p2021-0833-1	p2021-0609-1	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

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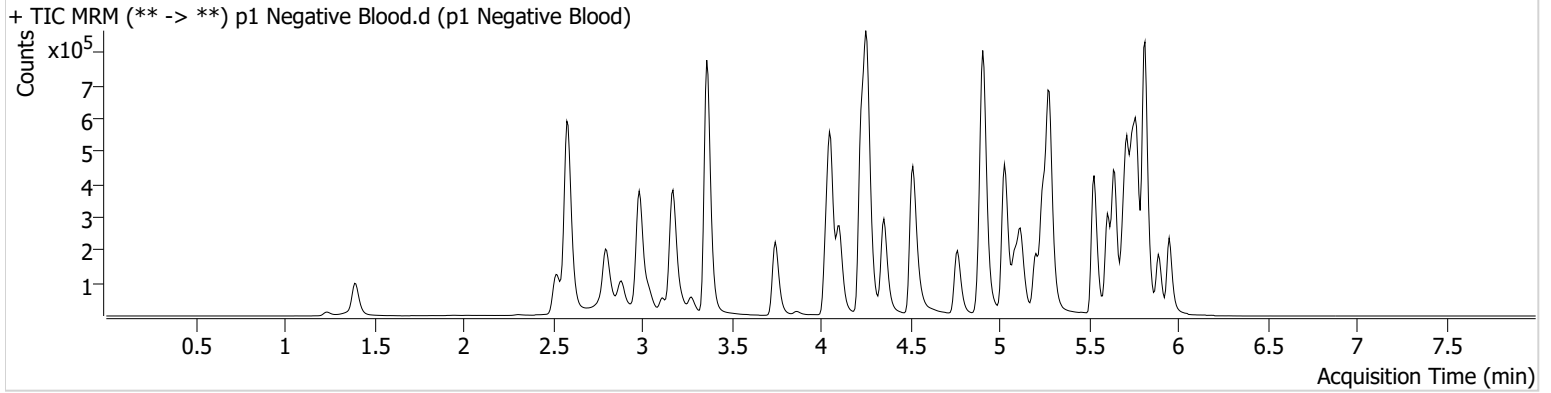


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 4/1/2021 11:54:08 AM

Instrument Type	Instrument 1 Sample	Data File	p1 Negative Blood.d
Acq. Method	AM 28 MDQ P1.m	Sample	p1 Negative Blood
Sample Position	P2-C11	Operator	Sarah Collins
Injection Volume	2	Comment	
Acq. Date-Time	3/31/2021 9:05:24 PM		
Sample Info.			

Sample Chromatogram



AM #28 Multi-Drug Quant. Results

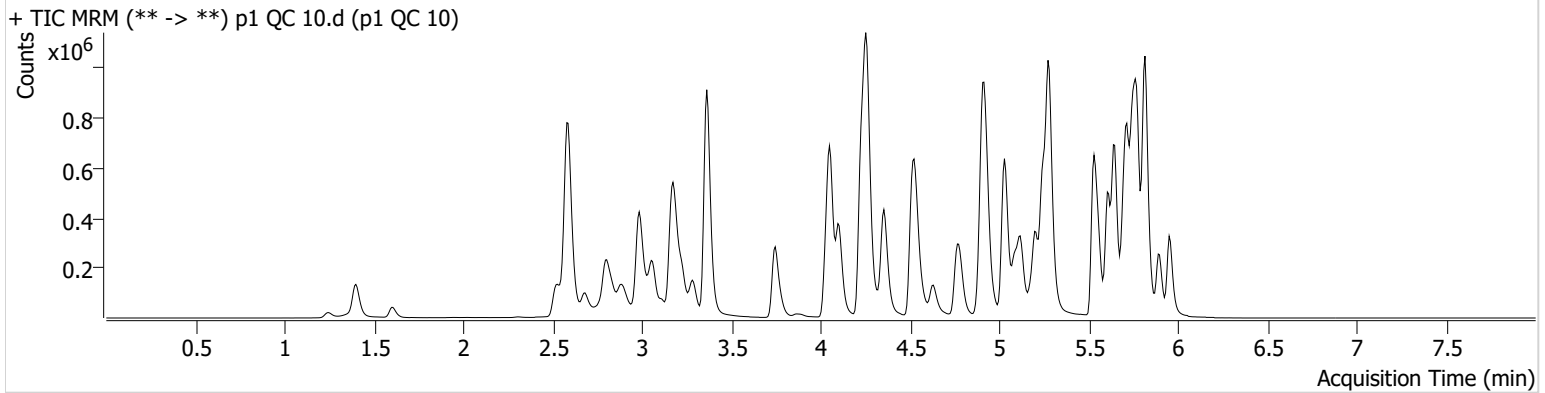
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Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 4/1/2021 11:54:08 AM

Instrument	Instrument 1	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-H11	Comment	
Injection Volume	2		
Acq. Date-Time	3/31/2021 7:51:03 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	4116	297.38	69.7	3500.00	108852	1.0013 ng/ml
7-aminoclonazepam	4.271	101264	3830.16	79.5	383.32	386564	9.6344 ng/ml
a-hydroxyalprazolam	5.699	51457	926.34	57.0	1273.26	605633	10.8641 ng/ml
alpha-PPH	4.930	47358	843.12	263.8	6408.21	840352	10.8483 ng/ml
alpha-PVP	4.363	185903	3260.67	52.4	9370.67	840352	9.6908 ng/ml
Alprazolam	5.775	156126	457.73	114.4	552.02	605633	9.6492 ng/ml
Amphetamine	3.063	321865	2330.43	50.0	1288.94	357751	10.1431 ng/ml
Benzoylcegonine	3.892	7099	326.68	7.6	344.55	24282	10.0167 ng/ml
Buprenorphine	5.880	3443	56.84	13.4	858.11	126429	0.8687 ng/ml
Bupropion	4.788	174570	∞	61.2	243.66	638511	9.8576 ng/ml
Carisoprodol	5.724	156683	278656.72	56.7	415.22	817696	9.4334 ng/ml
Citalopram	5.205	116085	307.65	44.2	760.15	558914	9.3666 ng/ml
Clonazepam	5.612	186997	4129.14	32.8	879.82	225336	10.0259 ng/ml
Clonazepam	5.548	127548	10321.68	35.9	13464.35	225336	9.8500 ng/ml
Cocaine	4.257	156872	1126.68	51.2	772.56	1508625	9.6462 ng/ml
Codeine	2.573	20778	217.81	102.9	475.50	106992	10.1697 ng/ml
Cyclobenzaprine	5.615	115596	2274.89	7.9	73.32	469685	9.9313 ng/ml
Dextromethorphan	5.255	67127	168.03	80.6	3288.82	325948	9.7138 ng/ml
Dextrophan	4.105	52824	3966.91	207.5	1531.19	640754	9.8044 ng/ml
Diazepam	5.960	102715	1766.18	89.0	569.61	494486	9.6138 ng/ml
Dihydrocodeine	2.552	52307	497.41	63.4	287.32	309174	10.0553 ng/ml
Diphenhydramine	5.282	291484	3418.39	33.3	360.78	1798333	9.5458 ng/ml
Doxylamine	4.536	354751	2410.56	98.2	1349.42	1581093	9.9218 ng/ml
EDDP	5.248	146187	650.95	41.6	114.48	763825	9.6340 ng/ml
Etizolam	5.813	90347	1456.02	25.6	934.18	225336	9.2933 ng/ml
Fentanyl	5.103	10809	156.53	66.7	90942.07	510756	0.9914 ng/ml
Flualprazolam	5.705	77915	2324.13	94.9	4246.50	605633	9.8252 ng/ml
Fluoxetine	5.700	131505	243.66	8.8	761.53	524614	10.1772 ng/ml
Hydrocodone	3.012	76548	164.39	38.7	145.11	908354	9.9490 ng/ml
Hydromorphone	1.601	70469	1580.93	74.8	648.18	12311	9.8669 ng/ml
Ketamine	4.051	145628	1406.59	38.3	247.01	736231	9.4087 ng/ml
Lamotrigine	4.273	16257	421.13	82.0	1079.60	736231	9.3402 ng/ml
Levetiracetam	2.683	74892	462.77	164.3	644.10	1860261	9.4314 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	171354	1667.94	57.3	402.08	225336	9.9542 ng/ml
MDA	3.196	231470	506.74	24.9	164.49	634391	9.9401 ng/ml
MDMA	3.290	134084	1086.13	77.8	1146.46	133672	9.8114 ng/ml
Meprobamate	4.917	98200	123.66	27.3	258.28	449134	9.9594 ng/ml
Methadone	5.646	221466	556.60	47.2	1649.91	1058270	9.3274 ng/ml
Methamphetamine	3.231	238578	1434.95	37.7	262.46	848923	10.2531 ng/ml
Metoprolol	4.319	35846	478.07	88.2	1232.31	1630563	10.2263 ng/ml
Mirtazapine	4.631	195622	1757.38	48.9	782.88	840352	10.9520 ng/ml
Mitragynine	5.230	41730	469.42	39.7	29181.80	1058270	9.9405 ng/ml
Morphine	1.253	9847	357.77	29.0	50.50	12311	9.5155 ng/ml
Norbuprenorphine	4.986	436	364.99	91.3	1655.43	21241	0.9461 ng/ml
Nordiazepam	5.900	104085	844.60	57.7	932.58	356968	9.7720 ng/ml
Norfentanyl	4.079	26237	713.00	35.8	200.07	1169500	0.9634 ng/ml
Norhydrocodone	3.059	12509	73.51	44.9	45.49	125244	9.1397 ng/ml
Noroxycodone	2.903	88233	138.09	41.8	147.77	311928	10.1475 ng/ml
O-desmethyl-tramadol	3.369	311164	5545.60	7.0	287.35	2016608	9.3252 ng/ml
Oxazepam	5.756	201165	776.07	73.1	888.40	836182	9.7023 ng/ml
Oxycodone	2.827	163926	996.38	26.9	448.65	745501	9.6360 ng/ml
Oxymorphone	1.405	87140	147.12	41.5	274.29	320937	9.9695 ng/ml
Phentermine	3.783	65454	413.93	4.8	45.87	756642	10.0538 ng/ml
Promethazine	5.532	222299	10955.38	28.0	188.51	989382	9.4652 ng/ml
Pseudoephedrine	2.596	374345	454.80	16.4	635.37	1860261	9.4977 ng/ml
Quetiapine	5.555	164163	6683.83	57.0	158.91	223391	9.7526 ng/ml
Sertraline	5.776	64774	180.06	101.2	2495.60	322057	9.8900 ng/ml
Temazepam	5.823	323164	2880.40	29.4	120.34	1597598	9.6200 ng/ml
Tramadol	4.239	324571	570.97	3.7	661.21	1630563	9.8167 ng/ml
Trazodone	5.176	161307	8086.31	78.8	3484.63	679189	10.0745 ng/ml
Venlafaxine	5.030	252184	1459.83	40.4	526.95	1315697	9.6043 ng/ml
Zolpidem	4.935	382520	1773.52	31.7	1051.82	1905703	9.8831 ng/ml

AM #28 Multi-Drug Quant. Results

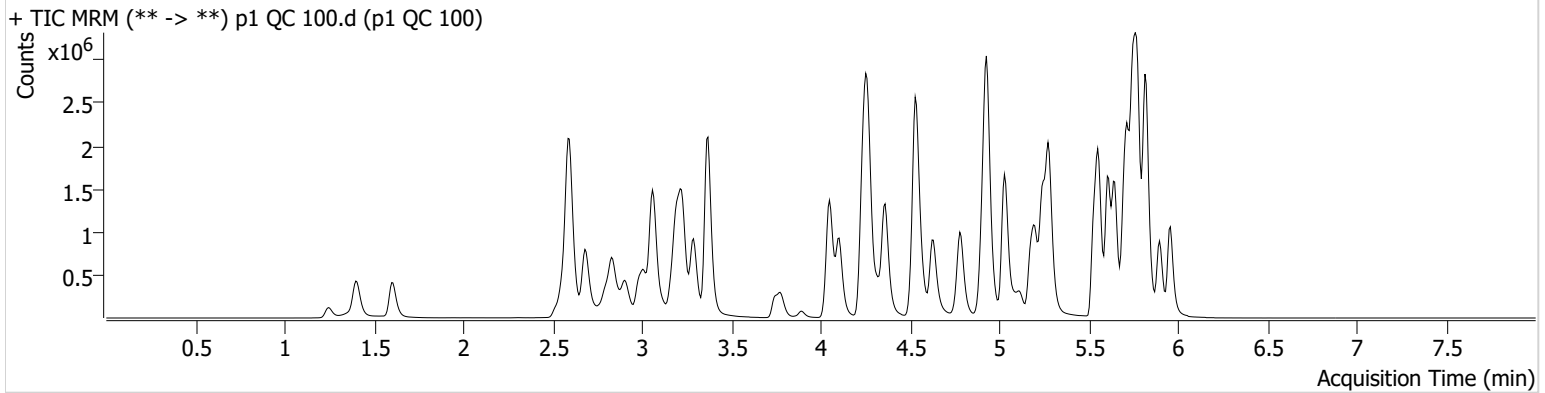
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Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 4/1/2021 11:54:08 AM

Instrument	Instrument 1	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-G11	Comment	
Injection Volume	2		
Acq. Date-Time	4/1/2021 12:37:31 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	43695	510.98	68.5	2743.46	109428	10.2928 ng/ml
7-aminoclonazepam	4.271	965594	19974.84	80.6	17438.90	343473	102.8023 ng/ml
a-hydroxyalprazolam	5.692	435149	585.54	57.2	1155.25	543172	108.2611 ng/ml
alpha-PPH	4.930	375158	3746.00	268.6	26375.65	729003	107.6460 ng/ml
alpha-PVP	4.363	1785812	1960.77	52.3	1152.54	729003	105.9708 ng/ml
Alprazolam	5.775	1576726	2963.41	113.6	3651.48	543172	106.5824 ng/ml
Amphetamine	3.063	2734245	1158.65	49.7	3168.88	313910	108.5341 ng/ml
Benzoylecgonine	3.892	82277	937.13	7.6	398.66	25150	113.6306 ng/ml
Buprenorphine	5.880	23508	461.51	16.4	3284.09	78334	9.6090 ng/ml
Bupropion	4.781	1461317	35420.41	59.9	1711.18	491872	106.6757 ng/ml
Carisoprodol	5.724	1455730	1601473.21	53.9	8171.05	663270	102.3299 ng/ml
Citalopram	5.205	870943	746.41	43.0	10178.78	376641	101.8770 ng/ml
Clonazepam	5.612	1768395	68566.32	32.3	1143.57	201151	112.7857 ng/ml
Clonazepam	5.548	1257858	82870.07	37.1	1102499.96	201151	115.6894 ng/ml
Cocaine	4.257	1484792	87736.16	50.9	35673.77	1298448	104.8322 ng/ml
Codeine	2.573	196414	958.44	101.6	664.58	99413	108.9052 ng/ml
Cyclobenzaprine	5.615	724583	31411.50	9.1	237.25	281334	101.2768 ng/ml
Dextromethorphan	5.255	462936	687.06	79.9	4662.32	207363	105.4322 ng/ml
Dextrophan	4.105	487498	41326.45	208.7	893.33	543987	104.7195 ng/ml
Diazepam	5.960	1006649	624.20	87.6	832.84	444207	106.2132 ng/ml
Dihydrocodeine	2.552	541542	136.59	63.3	1784.18	306562	111.1406 ng/ml
Diphenhydramine	5.282	2169045	28498.86	32.8	1775.19	1212927	102.7427 ng/ml
Doxylamine	4.529	3500380	2365.50	98.5	16844.54	1440276	108.3377 ng/ml
EDDP	5.248	1240900	1806.48	42.2	25180.62	619934	100.4945 ng/ml
Etizolam	5.813	876232	13104.52	25.5	383167.34	201151	96.8297 ng/ml
Fentanyl	5.103	70809	841.28	70.9	75848.79	321379	10.2791 ng/ml
Flualprazolam	5.705	761180	4998.23	98.5	36682.55	543172	109.4344 ng/ml
Fluoxetine	5.700	681316	73140.64	8.8	274876.92	263743	107.3077 ng/ml
Hydrocodone	3.012	761519	501.47	38.9	267.45	880173	109.1171 ng/ml
Hydromorphone	1.601	717851	6691.01	75.2	3750.86	12269	104.4998 ng/ml
Ketamine	4.051	1508512	748.87	37.3	2106.23	692388	108.3644 ng/ml
Lamotrigine	4.273	156521	3004.80	79.8	161396.35	692388	107.6570 ng/ml
Levetiracetam	2.683	797167	1173.27	162.1	10266.39	1692916	107.6497 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1260670	28431.75	56.6	1295.25	201151	89.0661 ng/ml
MDA	3.196	1920870	5706.12	25.3	2883.60	522376	108.8268 ng/ml
MDMA	3.290	1212865	11557.83	80.9	10065.21	112027	105.1360 ng/ml
Meprobamate	4.917	842913	57000.61	27.7	12213.96	415205	101.7550 ng/ml
Methadone	5.646	1574780	60050.67	44.9	703.04	678747	103.0414 ng/ml
Methamphetamine	3.231	2116378	5791.38	38.3	1007.96	772243	113.0272 ng/ml
Metoprolol	4.319	336280	9191.75	90.0	5382.08	1515059	106.0717 ng/ml
Mirtazapine	4.631	1544516	46105.12	47.4	16782.06	729003	99.5910 ng/ml
Mitragynine	5.230	273120	22844.90	38.9	348417.82	678747	106.7412 ng/ml
Morphine	1.247	104404	667.77	28.0	302.48	12269	101.4934 ng/ml
Norbuprenorphine	4.979	3090	13.49	98.1	311.01	13959	10.4739 ng/ml
Nordiazepam	5.900	979132	3736.93	58.7	24044.78	314717	105.0338 ng/ml
Norfentanyl	4.079	270449	24701.98	33.6	1136.89	1081071	9.7378 ng/ml
Norhydrocodone	3.059	107859	290.90	42.1	110.10	97917	93.5458 ng/ml
Noroxycodone	2.903	823876	3667.93	42.7	13818.86	272065	109.9524 ng/ml
O-desmethyl-tramadol	3.369	3389473	128324.16	6.8	19588.93	1922540	104.8575 ng/ml
Oxazepam	5.756	1661563	4174.31	74.1	3581.90	626849	110.4741 ng/ml
Oxycodone	2.827	1721710	3342.29	26.9	1834.21	722640	107.4499 ng/ml
Oxymorphone	1.405	834890	∞	41.9	∞	295110	107.2920 ng/ml
Phentermine	3.783	582983	1029.39	4.8	559.43	644385	111.9567 ng/ml
Promethazine	5.532	1489942	3860.72	27.6	436.90	596546	106.1270 ng/ml
Pseudoephedrine	2.596	3752809	171097.16	16.4	48313.82	1692916	100.7686 ng/ml
Quetiapine	5.555	1282467	601.19	58.9	780501.40	158095	105.6698 ng/ml
Sertraline	5.776	356194	444997.58	100.7	2948394.85	165816	102.8982 ng/ml
Temazepam	5.823	2948151	24348.67	28.9	670.99	1285233	104.9159 ng/ml
Tramadol	4.239	3152876	124473.35	3.7	1745.81	1515059	105.9766 ng/ml
Trazodone	5.176	1211909	39607.42	79.7	422.41	495105	109.1300 ng/ml
Venlafaxine	5.030	2342425	1276.07	39.9	1324.62	1108493	103.4045 ng/ml
Zolpidem	4.928	3959673	248272.25	30.3	170586.00	1805075	112.1387 ng/ml

AM #28 Multi-Drug Quant. Results

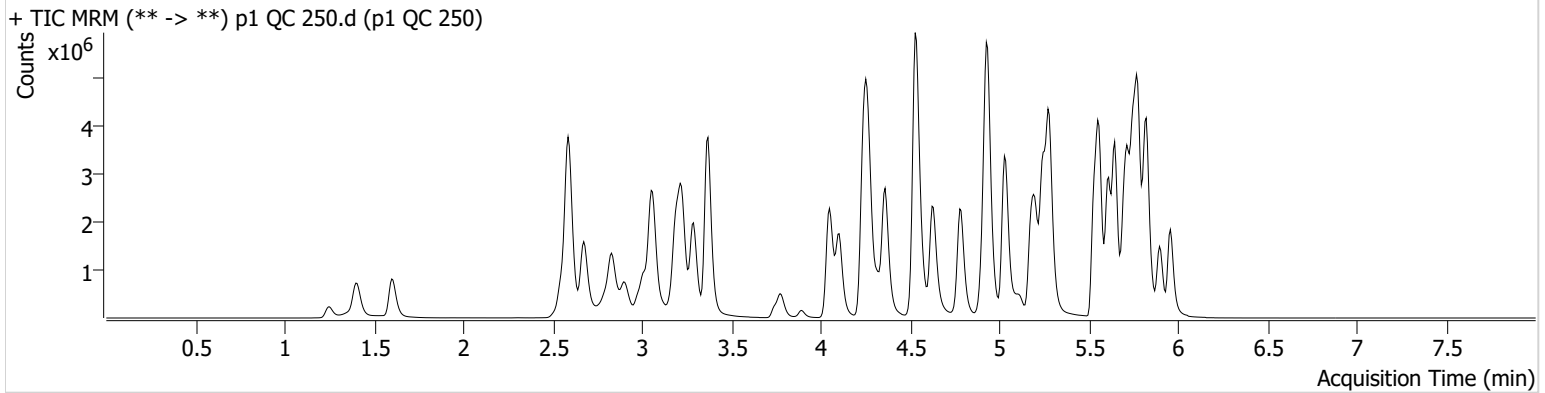
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Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 4/1/2021 11:54:08 AM

Instrument	Instrument 1	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-F11	Comment	
Injection Volume	2		
Acq. Date-Time	3/31/2021 8:12:19 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	99244	2230.60	70.6	513.52	104404	24.4618 ng/ml
7-aminoclonazepam	4.271	1717788	25668.55	80.0	23777.66	265836	236.2172 ng/ml
a-hydroxyalprazolam	5.692	664234	1702.67	59.7	977.73	441138	204.0869 ng/ml
alpha-PHP	4.930	831456	17773.87	268.3	12014.84	713507	245.0901 ng/ml
alpha-PVP	4.363	4039788	1882.51	52.3	1840.16	713507	244.7546 ng/ml
Alprazolam	5.775	2988141	9249.82	116.8	11785.12	441138	248.4413 ng/ml
Amphetamine	3.063	5276556	34895.10	49.0	3376.35	284010	232.8481 ng/ml
Benzoylcegonine	3.892	170621	15371.06	7.3	686.03	23671	250.5515 ng/ml
Buprenorphine	5.880	63824	717.06	14.5	16091.99	81097	25.2056 ng/ml
Bupropion	4.781	3600179	115390.36	59.8	1971.40	516735	250.1064 ng/ml
Carisoprodol	5.724	2393153	4342071.90	55.1	14944.33	475987	233.7096 ng/ml
Citalopram	5.205	2146977	575.68	43.4	1006.69	403242	234.2629 ng/ml
Clonazepam	5.612	3033322	112254.63	31.9	30266.72	158689	246.0321 ng/ml
Clonazolam	5.549	2239484	51638.07	38.0	40081.35	158689	261.9468 ng/ml
Cocaine	4.257	3226516	1434.66	51.5	357589.01	1216632	242.9597 ng/ml
Codeine	2.566	378109	461.92	101.0	962.46	88172	237.0727 ng/ml
Cyclobenzaprine	5.615	1923771	43394.04	8.9	9911.18	321804	234.7046 ng/ml
Dextromethorphan	5.255	1127686	1326.19	79.0	399.50	217462	244.9178 ng/ml
Dextrorphan	4.105	1107980	30069.69	208.7	2058.85	529703	244.1722 ng/ml
Diazepam	5.960	1998392	1816.23	87.9	1221.50	386097	242.7613 ng/ml
Dihydrocodeine	2.545	1138424	2697.44	64.1	3494.77	296326	242.4740 ng/ml
Diphenhydramine	5.282	5628249	6808.90	32.4	∞	1307520	246.9490 ng/ml
Doxylamine	4.529	8556241	13316.70	97.8	1279.33	1445282	264.0271 ng/ml
EDDP	5.248	3192435	1718.71	41.2	23127.18	659450	243.0082 ng/ml
Etizolam	5.813	1745574	8822.15	25.4	13638.90	158689	243.8741 ng/ml
Fentanyl	5.103	193955	1109.62	72.2	114923.77	376691	24.0154 ng/ml
Flualprazolam	5.705	1428112	18252.74	97.6	153869.46	441138	253.1282 ng/ml
Fluoxetine	5.700	1552468	36340.65	8.7	4567.61	267239	241.6413 ng/ml
Hydrocodone	3.012	1621553	1458.02	39.2	384.42	860790	238.4685 ng/ml
Hydromorphone	1.601	1467264	5789779.87	75.0	2017603.84	10862	241.7877 ng/ml
Ketamine	4.051	3330380	1880.78	37.6	7325.52	661618	250.9841 ng/ml
Lamotrigine	4.273	289963	10176.13	80.1	1219.18	661618	209.9378 ng/ml
Levetiracetam	2.676	1608381	6366.06	163.6	20964.16	1488832	246.6467 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.747	1657817	3953.36	54.8	7111.68	158689	149.1121 ng/ml
MDA	3.196	3816085	7338.82	25.0	2991.18	484443	234.2175 ng/ml
MDMA	3.290	2800285	5392.72	79.7	14825.04	110675	245.6017 ng/ml
* Meprobamate	4.917	1376431	26288.81	27.6	11074.30	367369	188.7435 ng/ml
Methadone	5.646	4268934	24595.61	44.8	37677.68	770028	246.1629 ng/ml
Methamphetamine	3.224	4071864	7872.80	37.4	8277.78	680283	248.6225 ng/ml
Metoprolol	4.319	741412	26430.16	89.9	29703.54	1373938	258.3259 ng/ml
Mirtazapine	4.624	4020820	57536.84	46.9	3128.89	713507	264.8768 ng/ml
Mitragynine	5.230	711095	969218.69	38.6	239721.87	770028	245.7127 ng/ml
Morphine	1.253	217392	834.53	28.6	1266.79	10862	238.7504 ng/ml
Norbuprenorphine	4.979	7543	85642.23	99.6	8211.16	15707	22.7523 ng/ml
Nordiazepam	5.900	1867952	12422.50	58.4	3693.22	262145	240.6668 ng/ml
Norfentanyl	4.079	614894	2829.79	33.9	4751.41	1007119	23.6229 ng/ml
Norhydrocodone	3.059	211207	214.50	41.8	407.91	77505	230.3558 ng/ml
Noroxycodone	2.903	1570462	3588.86	42.4	364.63	232197	245.7435 ng/ml
O-desmethyl-tramadol	3.369	7612775	275123.35	6.6	1016.44	1810509	249.8587 ng/ml
Oxazepam	5.756	2384790	3522.90	74.0	11913.59	413670	240.6911 ng/ml
Oxycodone	2.827	3716166	23667.48	27.0	1228.77	688242	243.9047 ng/ml
Oxymorphone	1.405	1704063	∞	42.7	∞	262506	246.6580 ng/ml
Phentermine	3.783	1188529	1742.48	4.7	122.83	613997	240.3635 ng/ml
Promethazine	5.532	4009579	2683.25	27.5	16017.70	680346	250.5428 ng/ml
Pseudoephedrine	2.589	8039698	52127.06	16.0	40442.76	1488832	244.9169 ng/ml
Quetiapine	5.555	3194813	954.47	58.1	46765.40	171152	242.8996 ng/ml
Sertraline	5.776	800363	1045.01	100.2	905.53	161892	236.4479 ng/ml
Temazepam	5.823	5028303	1080.19	27.9	346.00	930641	246.5754 ng/ml
Tramadol	4.239	6992838	2812.78	3.5	674.71	1373938	259.7023 ng/ml
Trazodone	5.176	3159115	81248.56	78.9	109902.57	559076	252.6669 ng/ml
Venlafaxine	5.030	5637152	80219.22	38.7	2024.17	1109305	248.3180 ng/ml
Zolpidem	4.935	8580280	151720.52	29.5	217640.15	1724575	254.8653 ng/ml

*outside curve range

SC

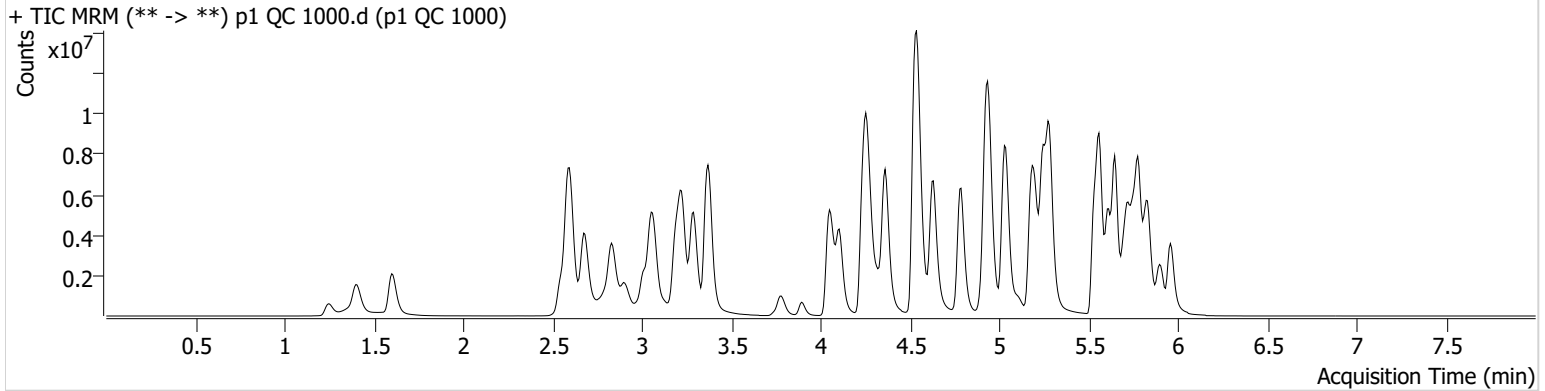


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 4/1/2021 11:54:08 AM

Instrument	Instrument 1	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-E11	Comment	
Injection Volume	2		
Acq. Date-Time	3/31/2021 8:33:34 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	352011	4962.41	70.6	16687.18	87811	103.0650 ng/ml
7-aminoclonazepam	4.278	2724751	36618.37	80.5	18237.32	99830	997.5529 ng/ml
* a-hydroxyalprazolam	5.685	1010566	899.35	57.9	641.13	250066	548.9077 ng/ml
alpha-PHP	4.930	1851195	92074.46	270.2	150008.17	518271	753.4224 ng/ml
alpha-PVP	4.363	12268435	438086.84	53.3	2560.42	518271	1022.8768 ng/ml
Alprazolam	5.775	6787649	∞	112.0	2250.17	250066	994.9395 ng/ml
* Amphetamine	3.063	11009908	147260.34	49.0	40476.96	186193	743.6967 ng/ml
Benzoylcegonine	3.892	778445	46740.77	7.9	∞	22674	1193.9559 ng/ml
* Buprenorphine	5.880	147172	33149.73	14.6	31258.24	36188	130.2610 ng/ml
Bupropion	4.788	10797476	2731.67	60.2	1402.10	393618	984.5962 ng/ml
Carisoprodol	5.730	4242980	3477054.59	53.4	8408.11	185334	1062.2396 ng/ml
Citalopram	5.205	5358605	77729.08	42.4	1632031.10	235942	998.5055 ng/ml
* Clonazepam	5.612	5500871	104444.58	31.3	6265.55	84652	838.0396 ng/ml
Clonazepam	5.549	3887976	77363.63	37.8	2252749.00	84652	854.0446 ng/ml
Cocaine	4.257	8758107	1498.92	50.2	1228.32	771908	1039.0423 ng/ml
* Codeine	2.566	833244	2335.95	98.5	14634.53	60442	763.4369 ng/ml
Cyclobenzaprine	5.615	4384987	85616.09	8.6	12234.57	172075	999.5714 ng/ml
Dextromethorphan	5.255	2385541	3352.67	79.1	1769.87	112198	1004.2288 ng/ml
Dextrophan	4.105	3108106	1835.24	210.9	1071453.13	346900	1045.2770 ng/ml
Diazepam	5.960	4789268	10242.93	87.8	32201.21	236909	948.5525 ng/ml
* Dihydrocodeine	2.545	3038215	1345.13	65.4	1369.81	264985	724.9426 ng/ml
Diphenhydramine	5.282	13988885	592924.91	33.6	36067.25	802952	998.7011 ng/ml
Doxylamine	4.538	24464252	362520.34	97.6	1286982.89	1226755	889.5986 ng/ml
EDDP	5.248	10374631	80878.07	42.0	146090.64	501959	1037.4019 ng/ml
* Etizolam	5.813	4380081	12434.74	24.6	7371.94	84652	1145.5874 ng/ml
Fentanyl	5.103	513941	15810.13	70.5	1008919.78	236453	101.3633 ng/ml
Flualprazolam	5.705	2895639	42676.06	102.8	14023.84	250066	906.0315 ng/ml
Fluoxetine	5.707	2060797	106449.79	8.9	551999.14	91046	942.2588 ng/ml
Hydrocodone	3.012	4827133	713.11	38.5	695.44	708090	864.9451 ng/ml
Hydromorphone	1.601	4191425	2081.68	76.5	7004195.26	8489	884.8805 ng/ml
Ketamine	4.051	10167792	191916.30	37.0	24377.84	543641	933.8375 ng/ml
* Lamotrigine	4.280	571261	9401.68	79.1	16479.37	543641	505.1797 ng/ml
Levetiracetam	2.676	4401209	1416.01	165.6	1552.06	875533	1146.7988 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.747	1850529	71697.39	55.5	8698.98	84652	313.0780 ng/ml
* MDA	3.189	7902557	42990.56	24.3	4272.09	299815	785.9511 ng/ml
MDMA	3.290	7841737	508930.97	79.8	7616.01	77650	980.0446 ng/ml
* Meprobamate	4.911	2206662	667809.73	27.2	20992.75	259148	430.3776 ng/ml
Methadone	5.646	10546355	118194.55	45.2	47603.60	453951	1031.4648 ng/ml
Methamphetamine	3.224	10484594	90591.05	36.7	46911.74	500733	873.4480 ng/ml
Metoprolol	4.319	1861519	3146119.02	91.7	696051.63	1036707	860.3035 ng/ml
* Mirtazapine	4.631	11958609	3199.41	47.3	92830.76	518271	1084.5208 ng/ml
Mitragynine	5.230	1420458	991074.96	39.6	23306.30	453951	833.9562 ng/ml
Morphine	1.247	633279	490.12	29.7	8145.26	8489	890.0458 ng/ml
Norbuprenorphine	4.979	19835	4069.26	99.5	6536.57	9158	102.7129 ng/ml
Nordiazepam	5.906	3781856	249348.62	57.2	538.25	135602	942.1879 ng/ml
Norfentanyl	4.079	1933969	1592.09	33.8	110866.35	637979	116.8960 ng/ml
Norhydrocodone	3.060	600910	142.99	44.2	132.97	50553	1002.3703 ng/ml
Noroxycodone	2.903	3429727	1237.71	43.0	528.47	130653	954.1824 ng/ml
O-desmethyl-tramadol	3.373	20011698	420503.03	7.3	46357.83	1289073	922.0466 ng/ml
Oxazepam	5.749	2539479	45938.28	73.6	4775.51	114863	924.0706 ng/ml
Oxycodone	2.827	11626599	6243.51	26.1	3422.79	549626	956.4490 ng/ml
Oxymorphone	1.398	4688975	398.77	42.2	725.88	184252	968.0342 ng/ml
* Phentermine	3.783	2871587	∞	4.6	15398.11	463542	770.8173 ng/ml
Promethazine	5.532	9220096	84713.38	27.5	4092.57	368954	1062.6640 ng/ml
Pseudoephedrine	2.596	20054996	266806.25	16.5	174504.27	875533	1037.6542 ng/ml
Quetiapine	5.555	9334234	120451.50	59.4	604126.83	124413	975.6838 ng/ml
Sertraline	5.776	1099241	16605.24	102.3	12102.51	55237	950.9251 ng/ml
Temazepam	5.830	7827433	93419.95	28.1	13826.73	331445	1076.3887 ng/ml
Tramadol	4.239	17383415	1049.92	3.8	646.04	1036707	856.4083 ng/ml
Trazodone	5.176	9999202	500491.62	81.3	396094.82	465256	962.6048 ng/ml
Venlafaxine	5.030	16794414	127022.06	40.1	1375.23	800085	1024.9444 ng/ml
Zolpidem	4.939	22198017	967064.27	32.8	216457.70	1397431	814.6320 ng/ml

*outside curve range

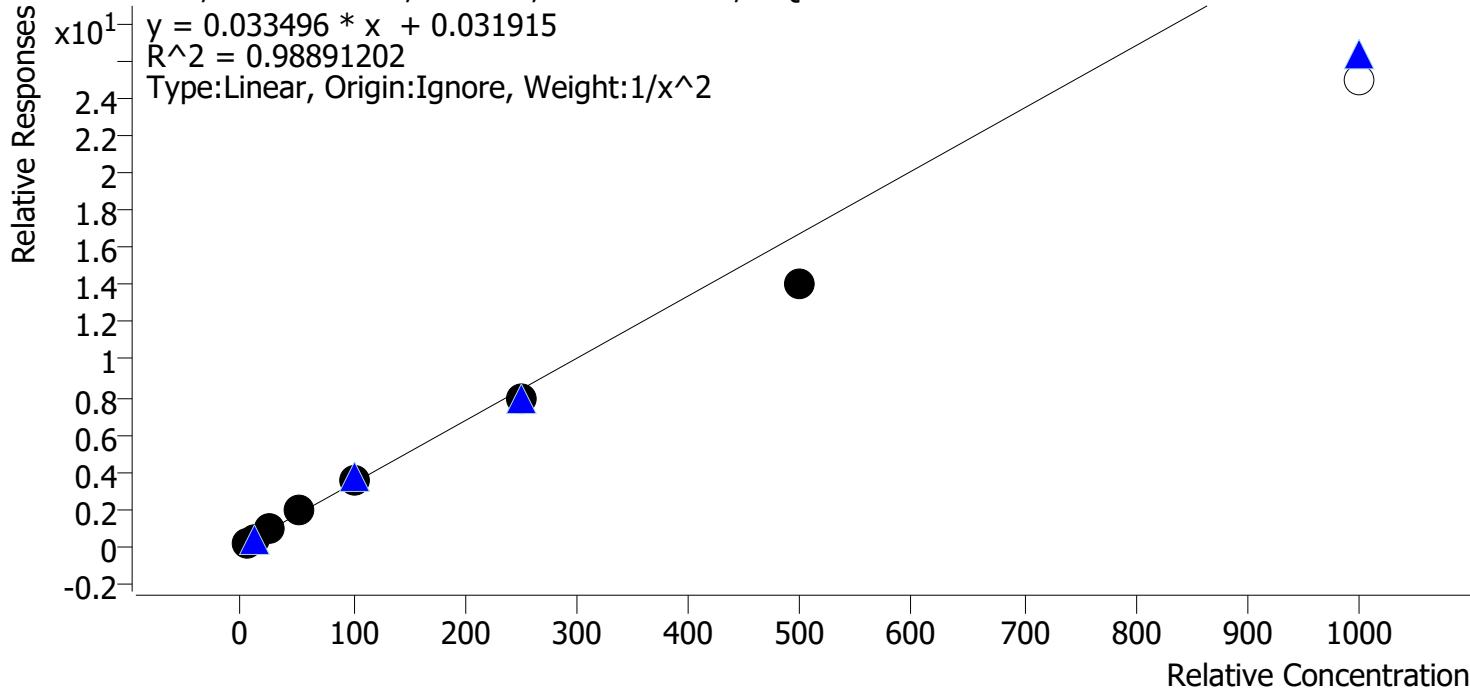
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	56.1	112.3
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	237.1	94.9
p1 Cal 7-500ng	7	✓	500.0	421.9	84.4
p1 Cal 8-1000ng	8	✗	1000.0	747.5	74.7

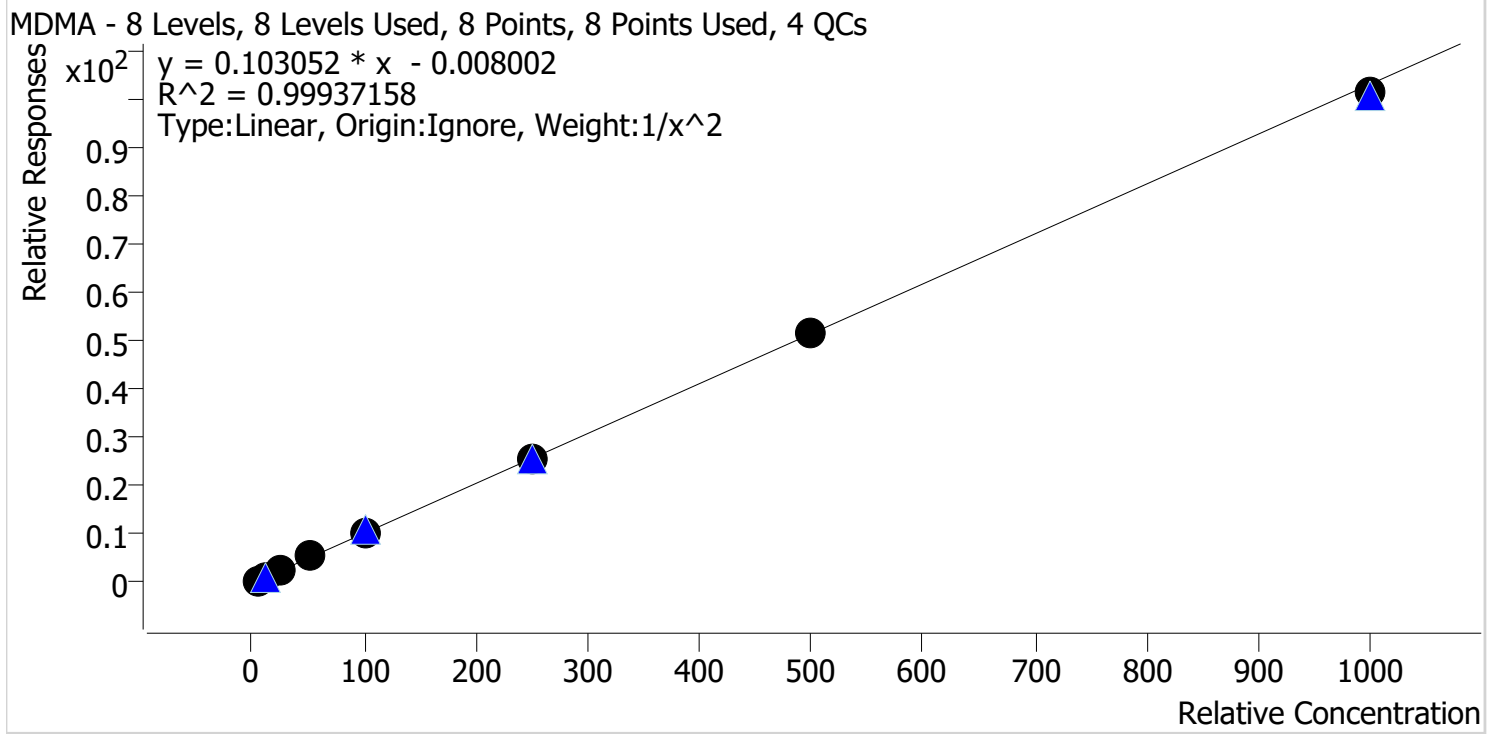
Calibrator 8 dropped due to not meeting accuracy requirement.

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte MDMA **Internal Standard** MDMA-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	502.5	100.5
p1 Cal 8-1000ng	8	✓	1000.0	983.2	98.3

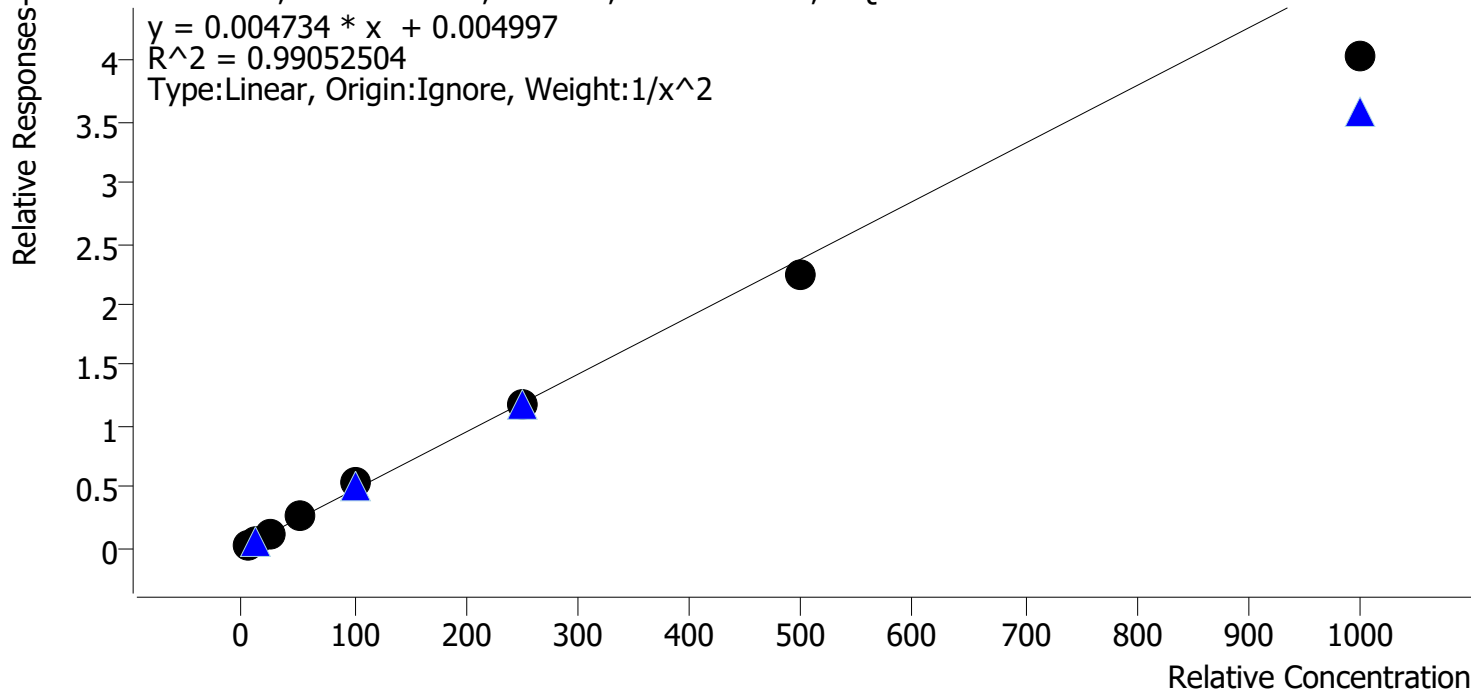
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	55.5	111.1
p1 Cal 5-100ng	5	✓	100.0	110.6	110.6
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	471.9	94.4
p1 Cal 8-1000ng	8	✓	1000.0	850.5	85.0

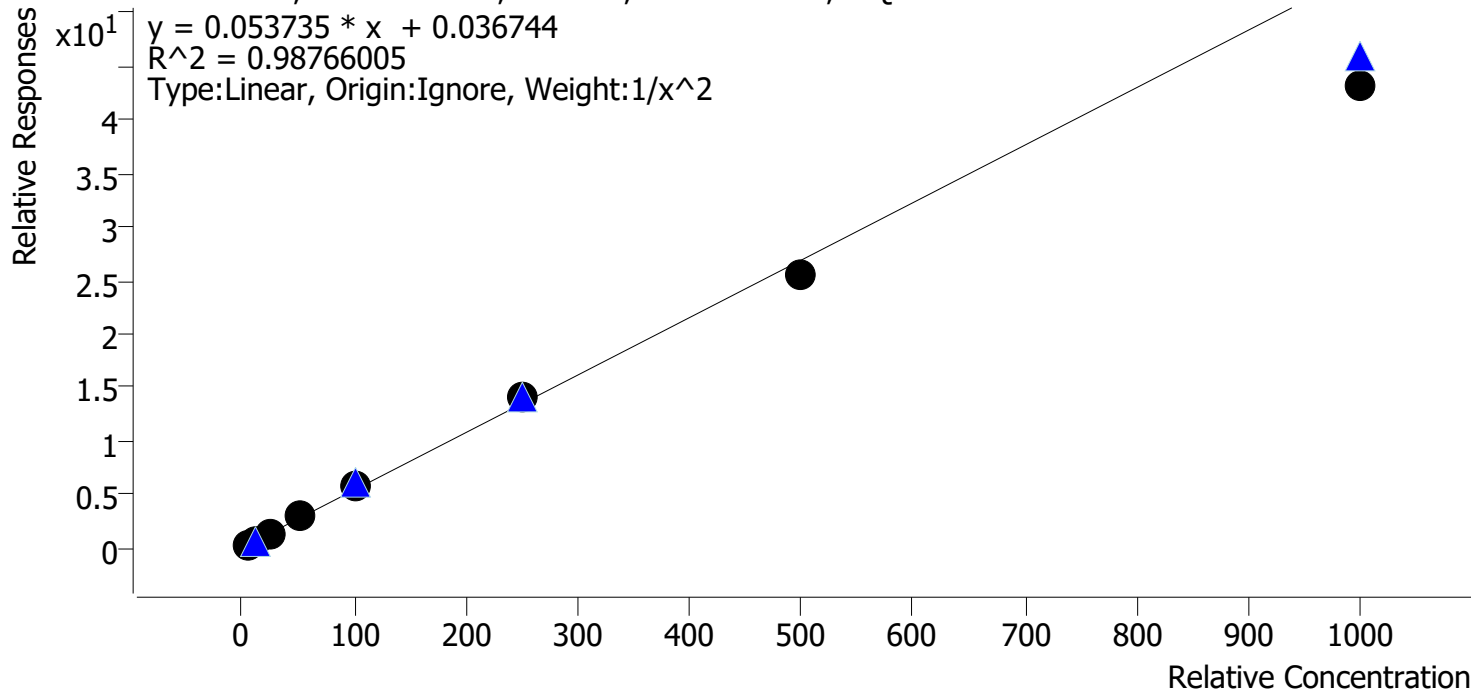
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	55.9	111.8
p1 Cal 5-100ng	5	✓	100.0	109.1	109.1
p1 Cal 6-250ng	6	✓	250.0	259.2	103.7
p1 Cal 7-500ng	7	✓	500.0	471.6	94.3
p1 Cal 8-1000ng	8	✓	1000.0	805.3	80.5

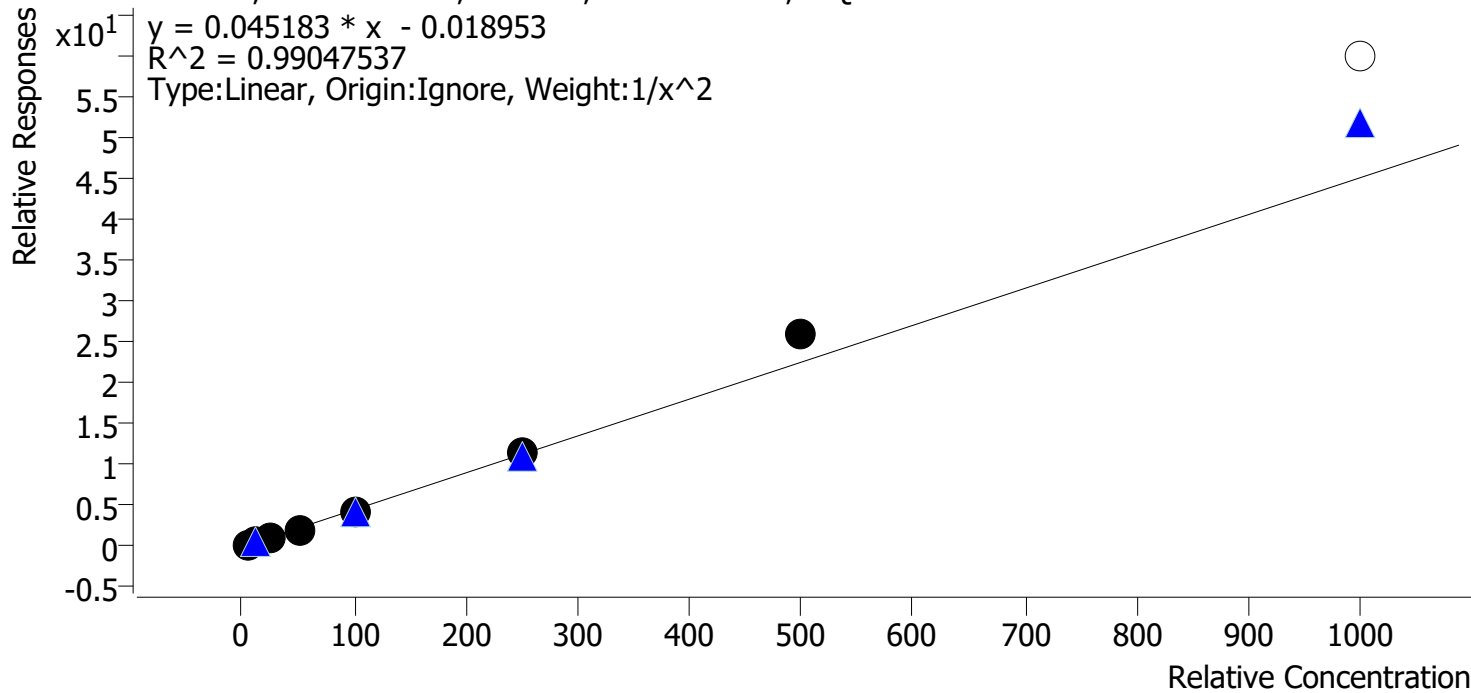
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	22.5	90.1
p1 Cal 4-50ng	4	✓	50.0	47.9	95.7
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	579.6	115.9
p1 Cal 8-1000ng	8	x	1000.0	1328.4	132.8

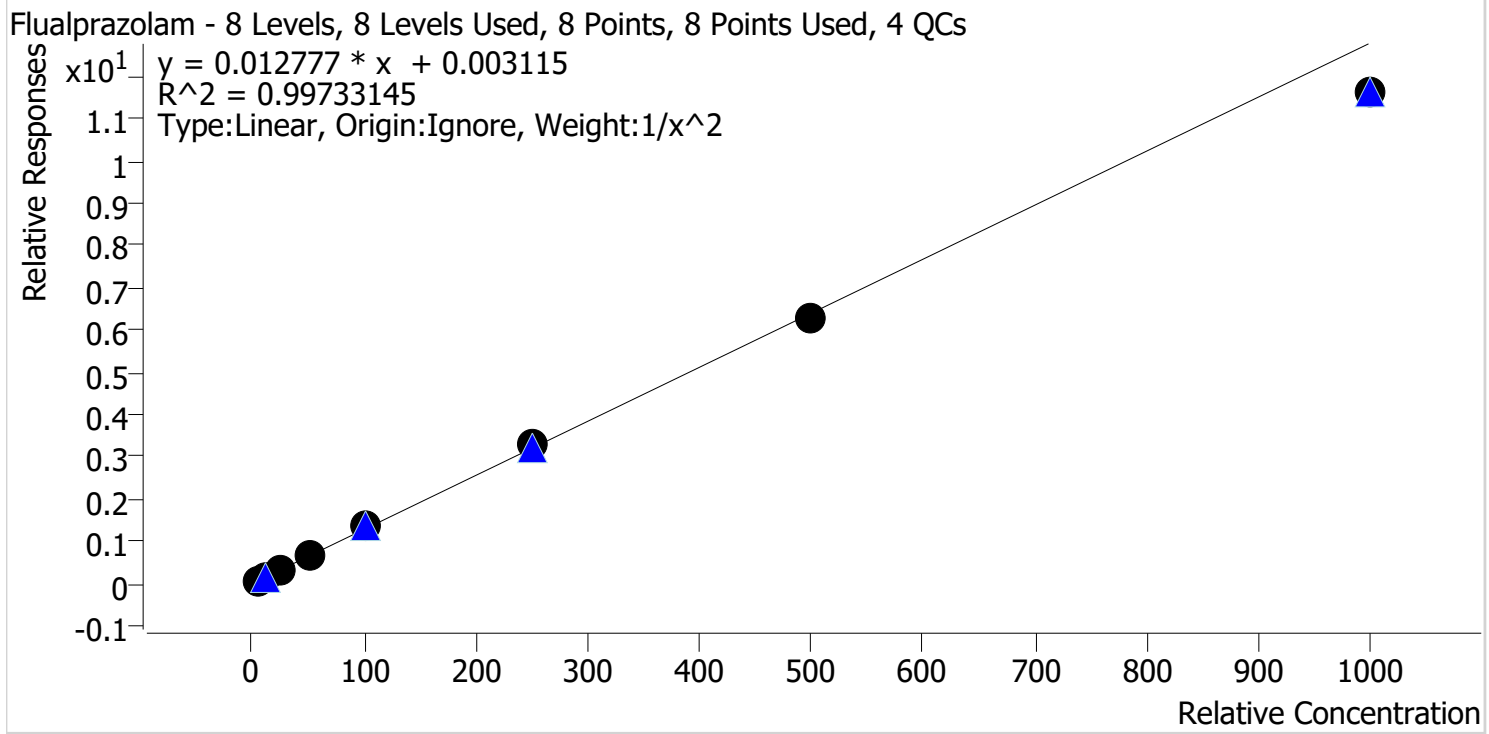
Calibrator 8 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



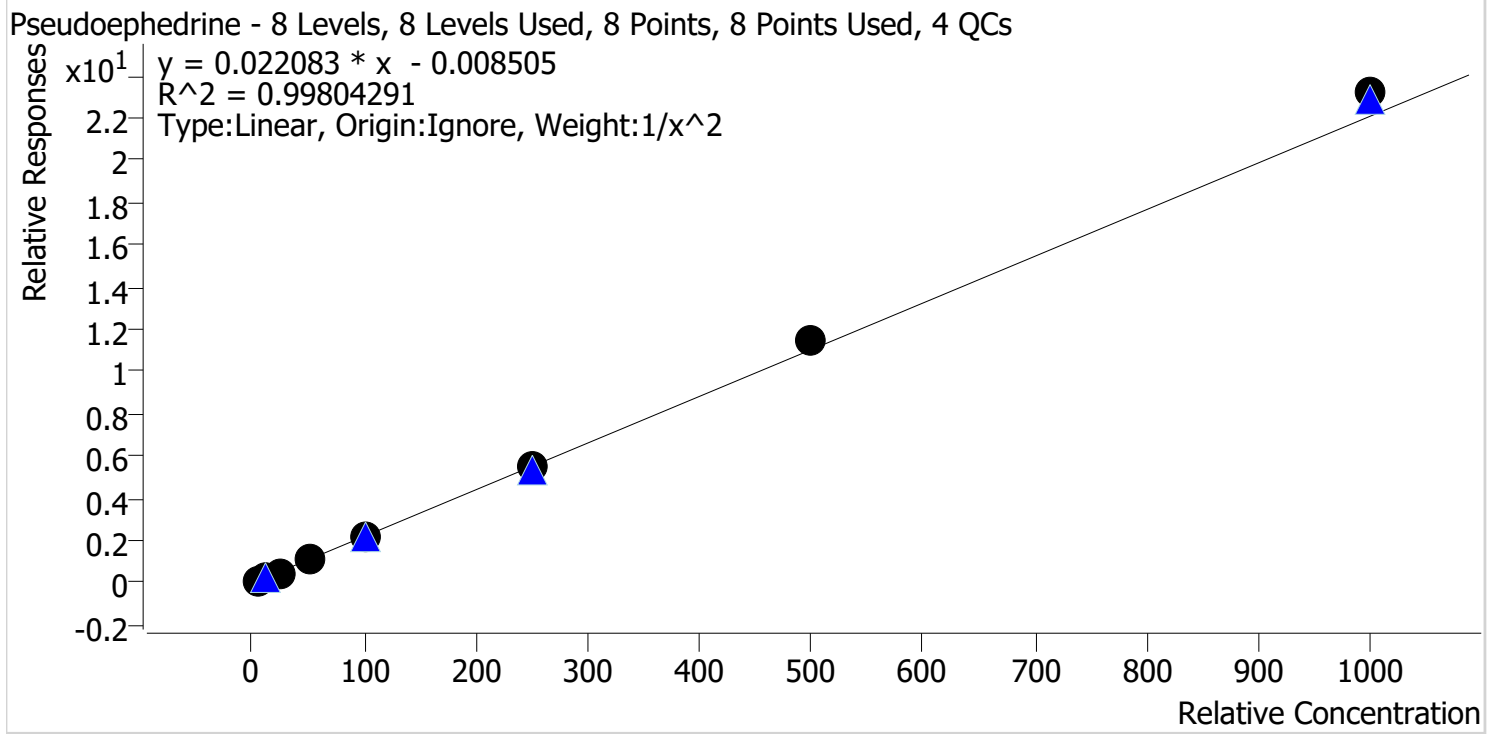
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	492.4	98.5
p1 Cal 8-1000ng	8	✓	1000.0	908.3	90.8

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datator
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



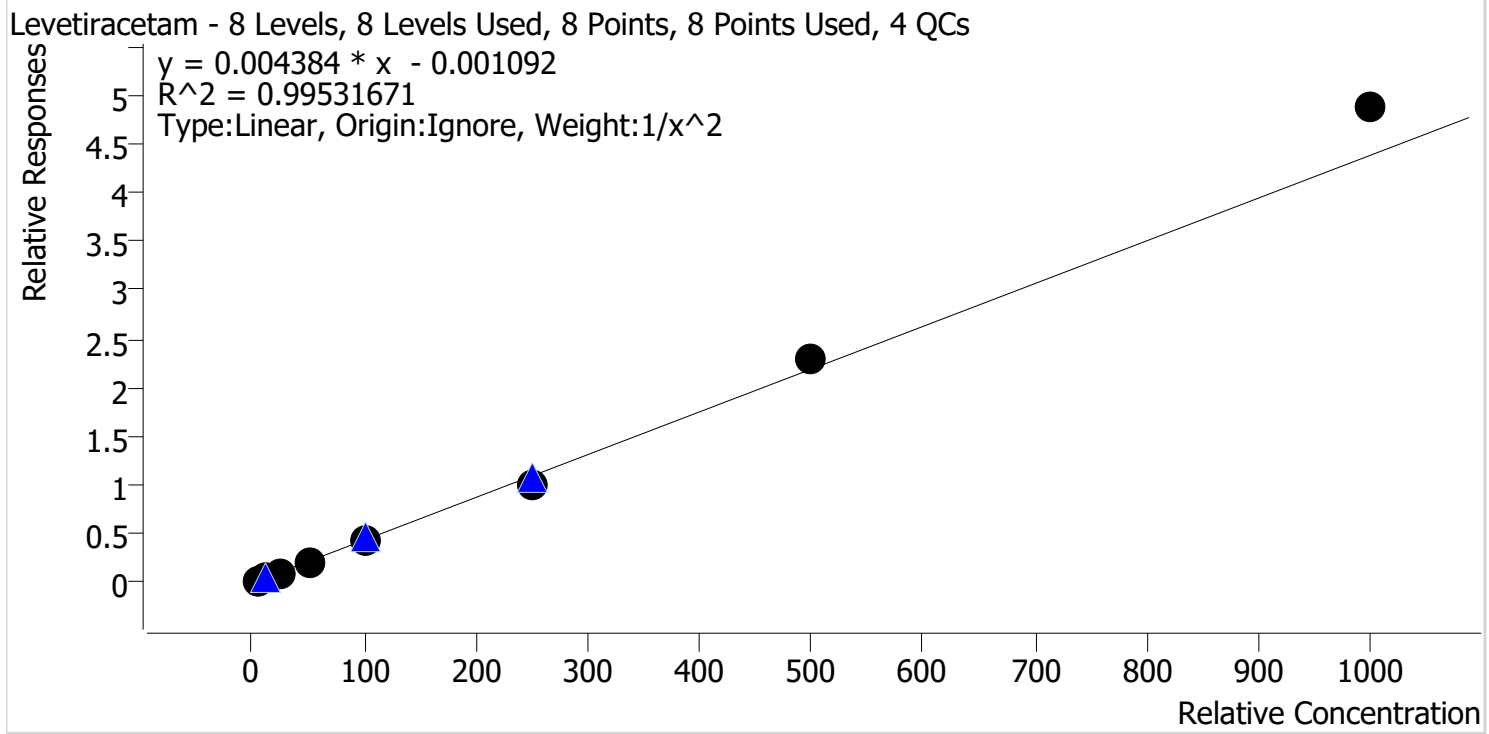
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.2
p1 Cal 4-50ng	4	✓	50.0	49.9	99.7
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	520.1	104.0
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\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	231.8	92.7
p1 Cal 7-500ng	7	✓	500.0	522.1	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1109.4	110.9

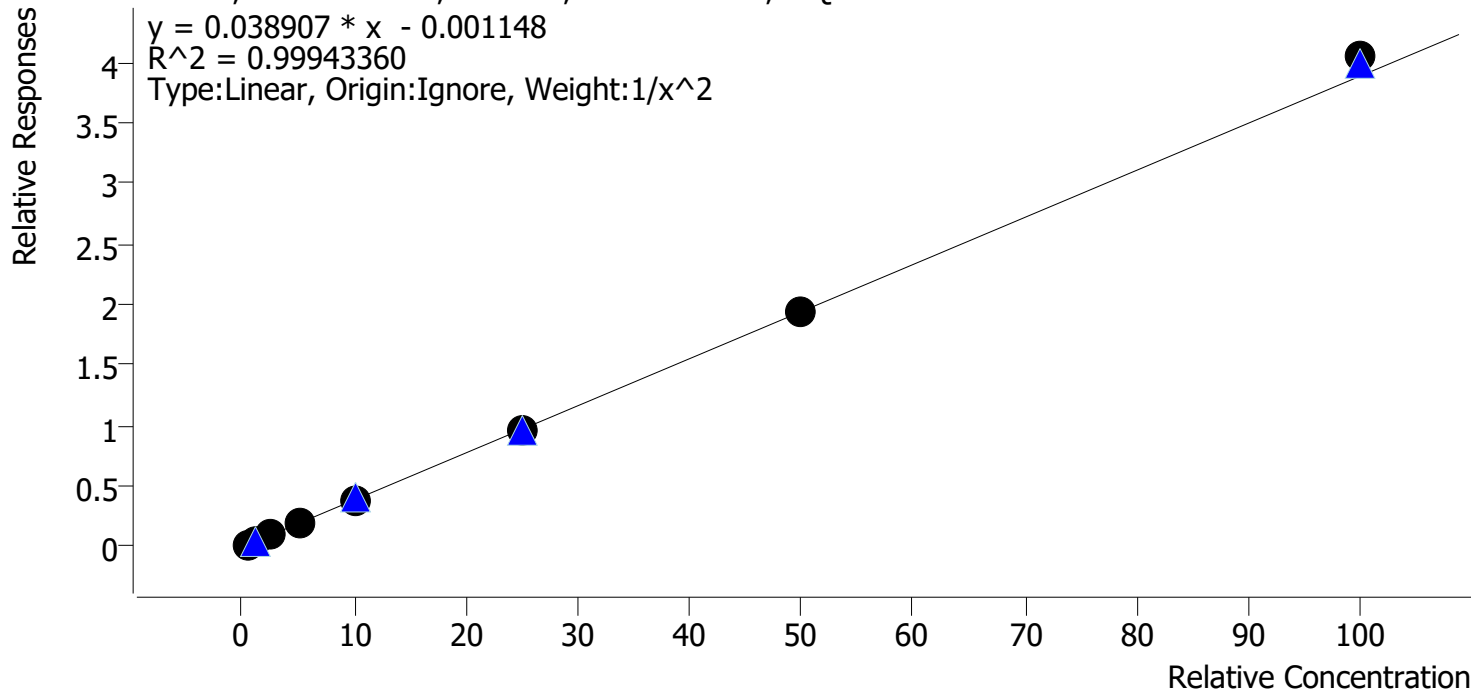
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	100.9
p1 Cal 2-10ng	2	✓	1.0	1.0	98.7
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.4
p1 Cal 4-50ng	4	✓	5.0	5.0	100.6
p1 Cal 5-100ng	5	✓	10.0	9.8	97.5
p1 Cal 6-250ng	6	✓	25.0	24.6	98.2
p1 Cal 7-500ng	7	✓	50.0	50.3	100.5
p1 Cal 8-1000ng	8	✓	100.0	104.1	104.1

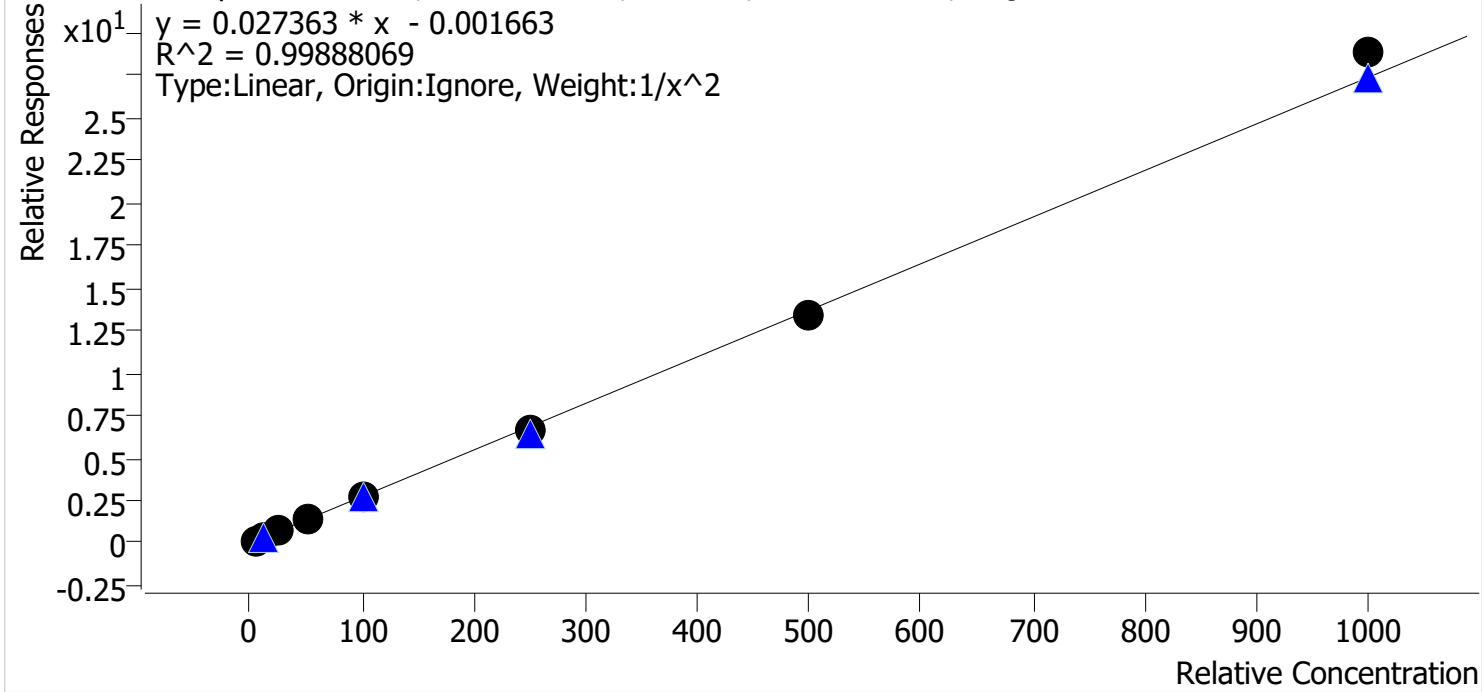
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	101.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	240.0	96.0
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1053.3	105.3

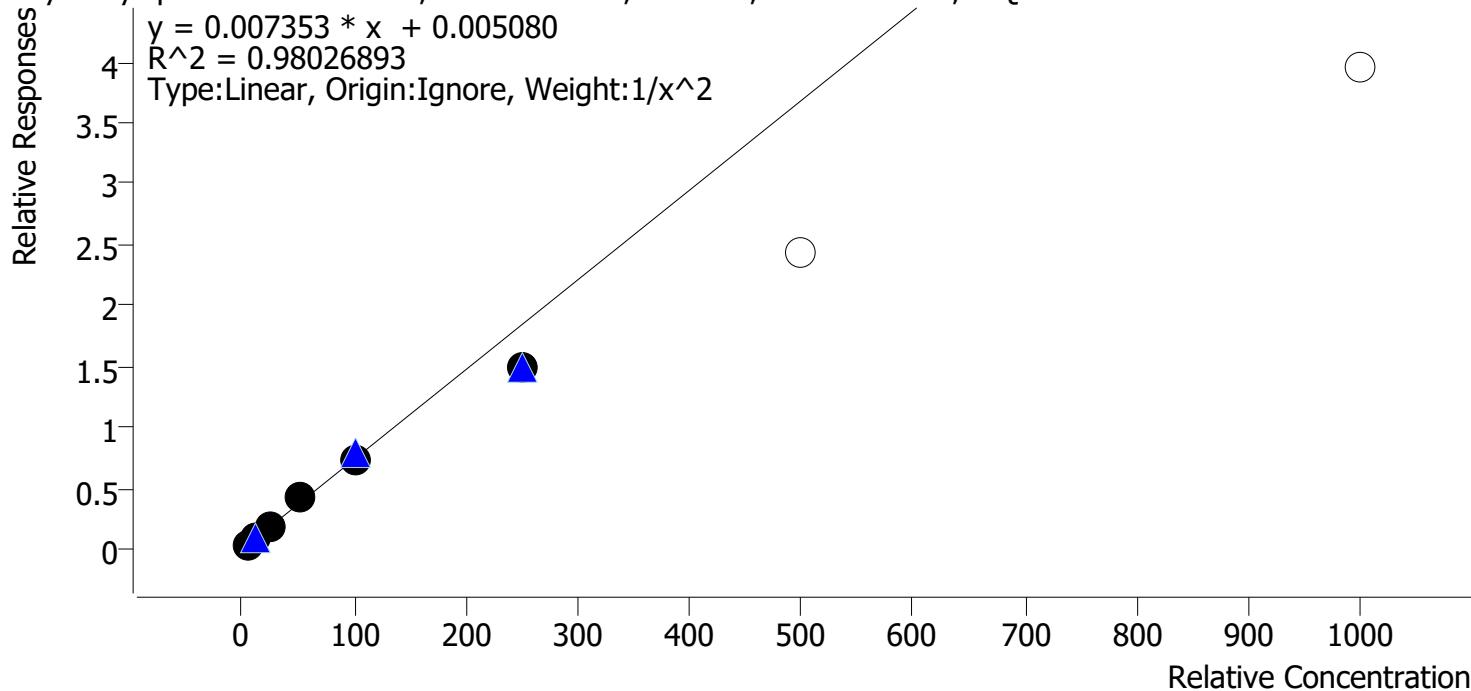
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	4.7	95.0
p1 Cal 2-10ng	2	✓	10.0	10.6	106.3
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.2
p1 Cal 4-50ng	4	✓	50.0	57.2	114.4
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	201.4	80.5
p1 Cal 7-500ng	7	x	500.0	330.6	66.1
p1 Cal 8-1000ng	8	x	1000.0	538.1	53.8

Calibrators 7 and 8 dropped due to not meeting accuracy requirement

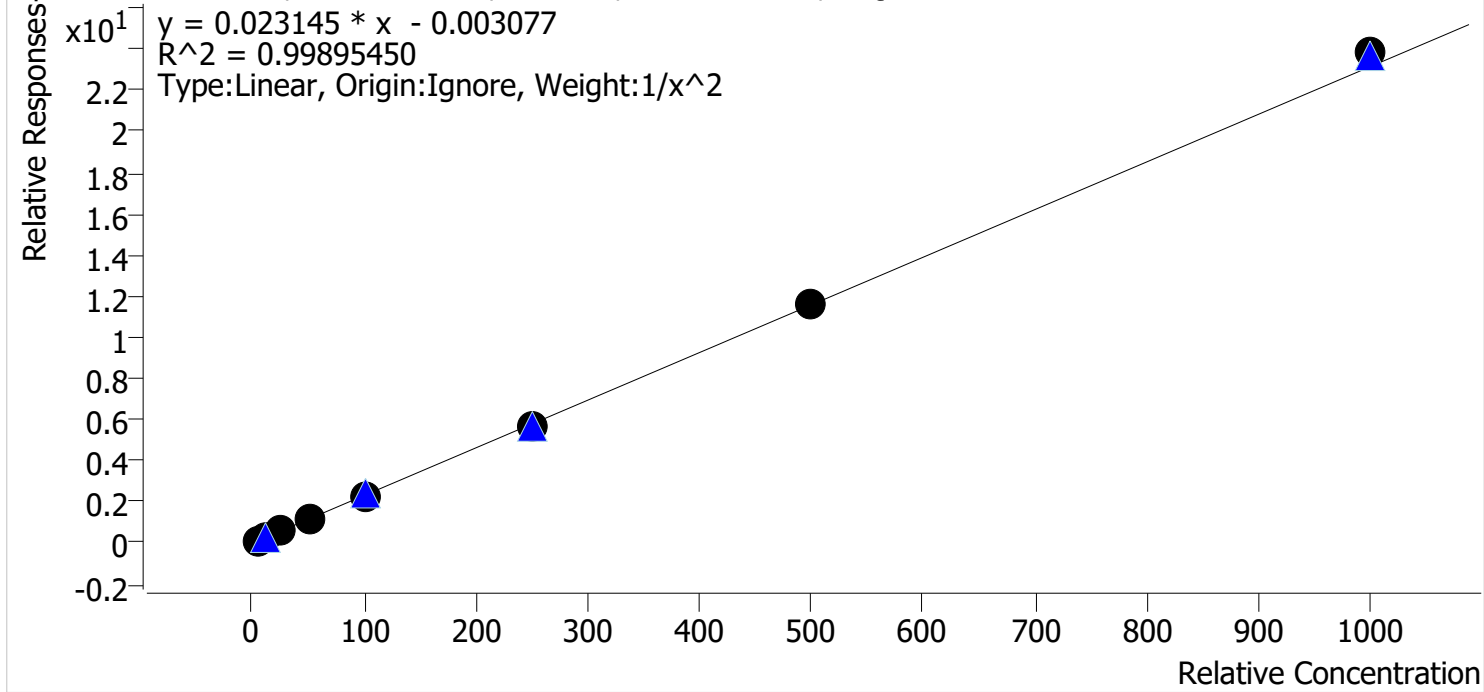
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	503.4	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1029.6	103.0

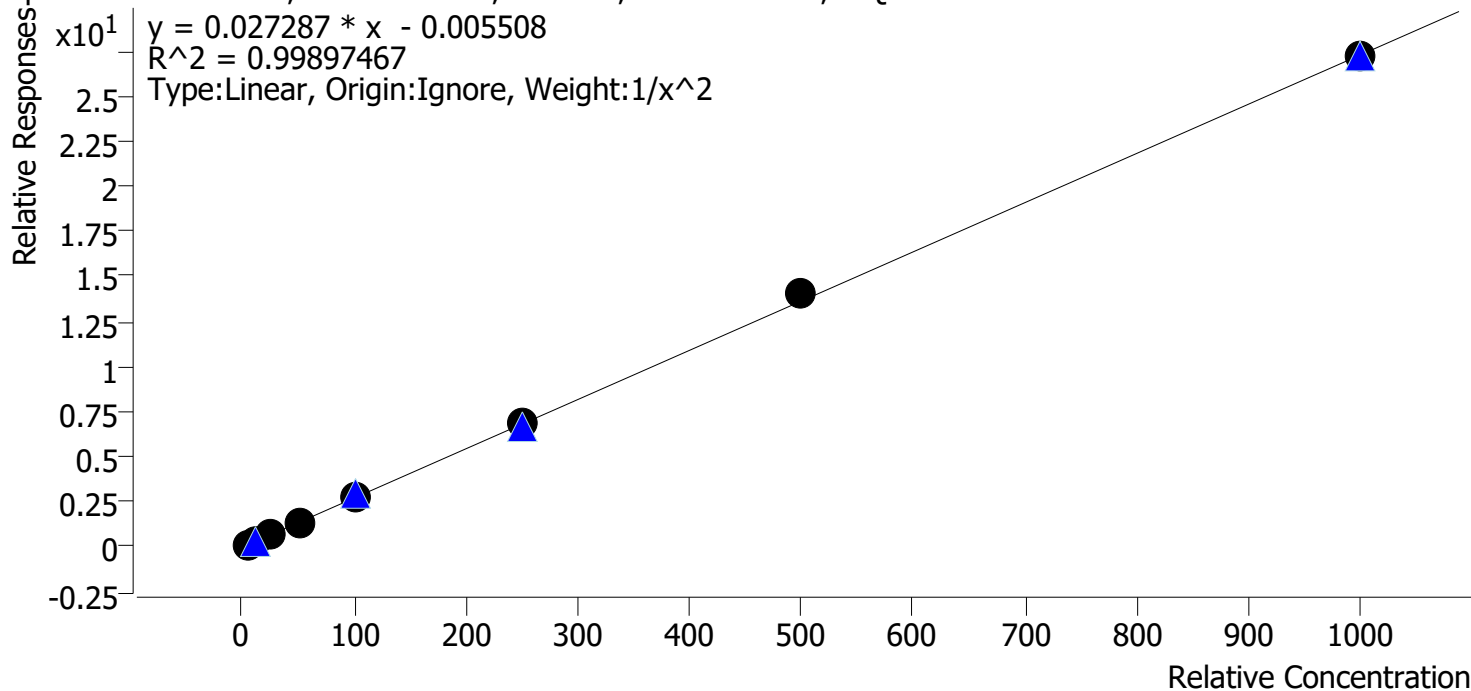
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.2
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	514.0	102.8
p1 Cal 8-1000ng	8	✓	1000.0	996.8	99.7

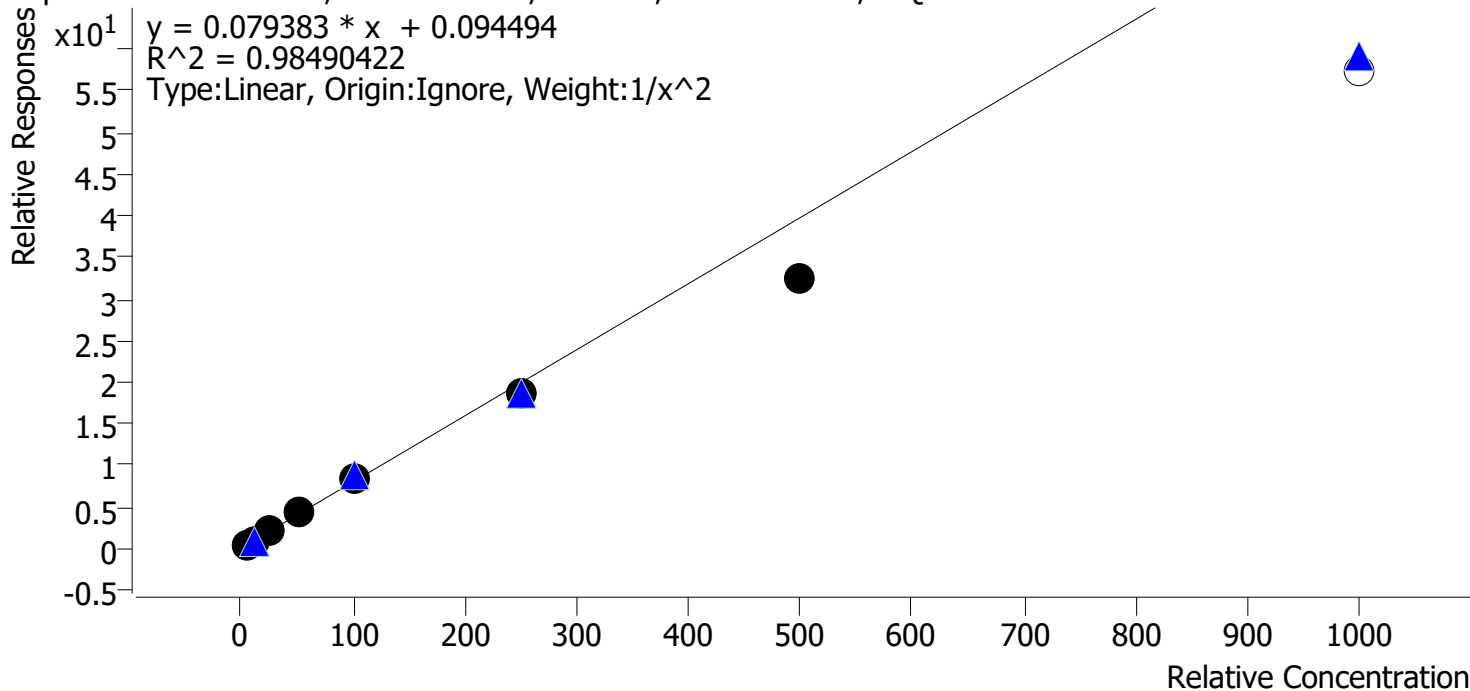
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	95.6
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	56.5	113.0
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	233.0	93.2
p1 Cal 7-500ng	7	✓	500.0	409.6	81.9
p1 Cal 8-1000ng	8	✗	1000.0	723.1	72.3

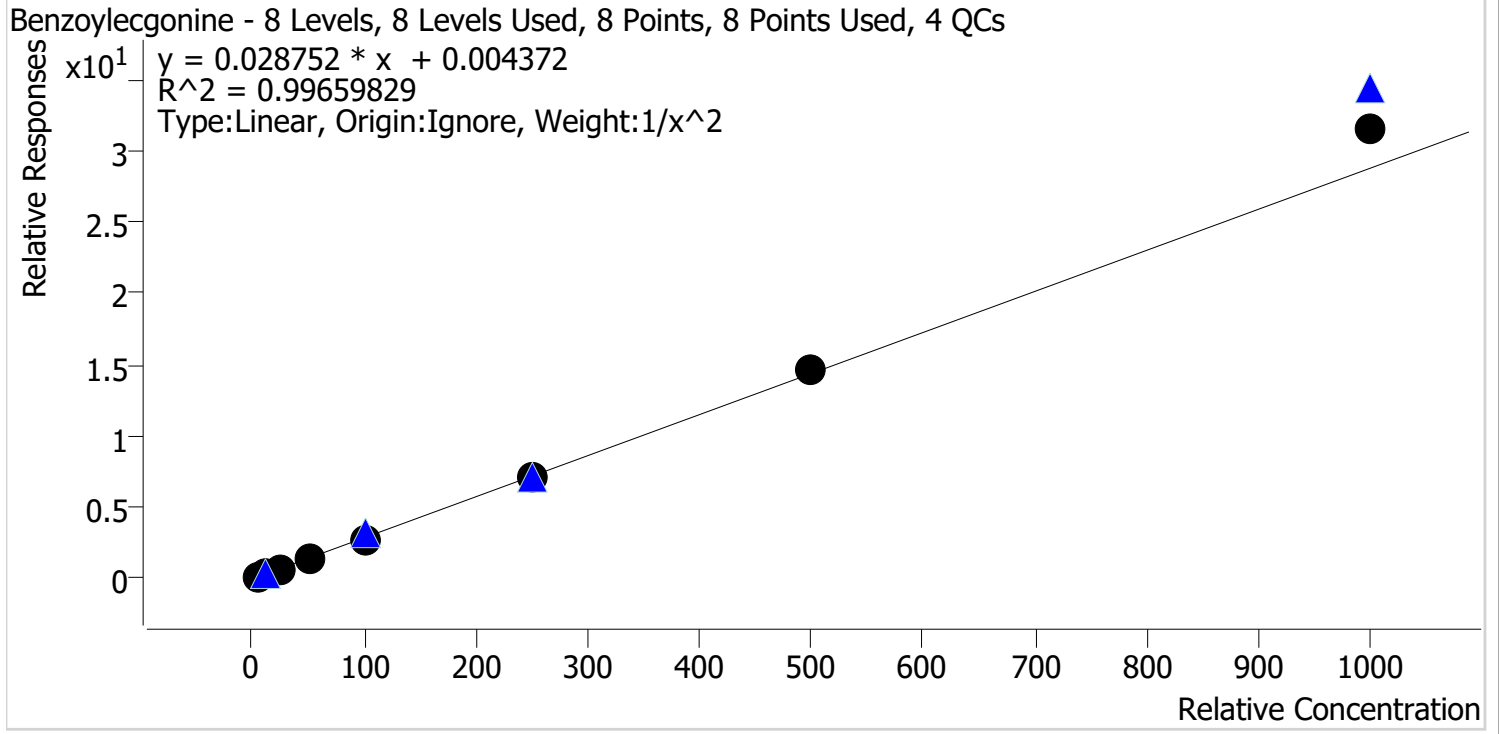
Calibrator 8 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



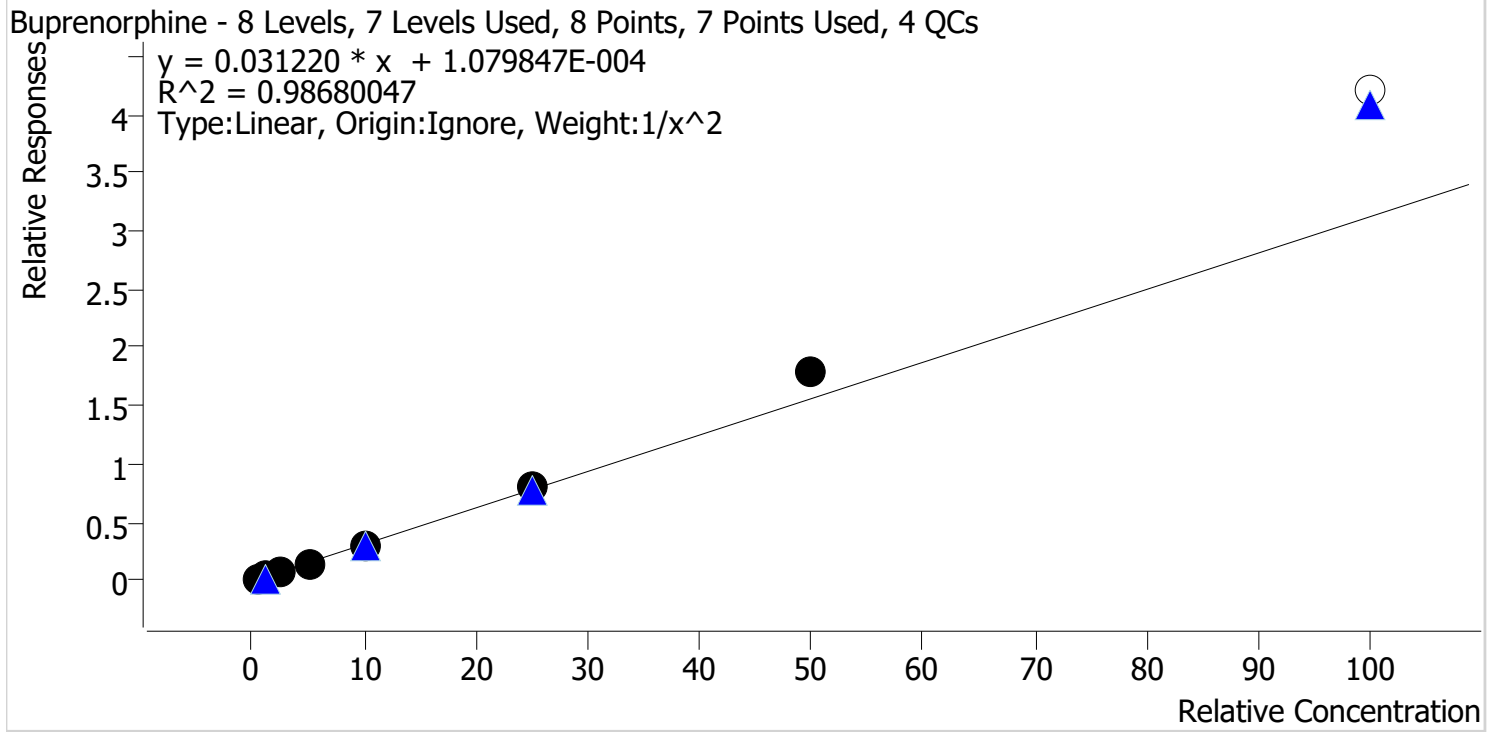
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.4
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	508.5	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1093.4	109.3

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	108.0
p1 Cal 2-10ng	2	✓	1.0	0.9	88.7
p1 Cal 3 -25ng	3	✓	2.5	2.2	88.5
p1 Cal 4-50ng	4	✓	5.0	4.9	98.9
p1 Cal 5-100ng	5	✓	10.0	9.6	96.5
p1 Cal 6-250ng	6	✓	25.0	26.2	105.0
p1 Cal 7-500ng	7	✓	50.0	57.2	114.5
p1 Cal 8-1000ng	8	✗	100.0	134.6	134.6

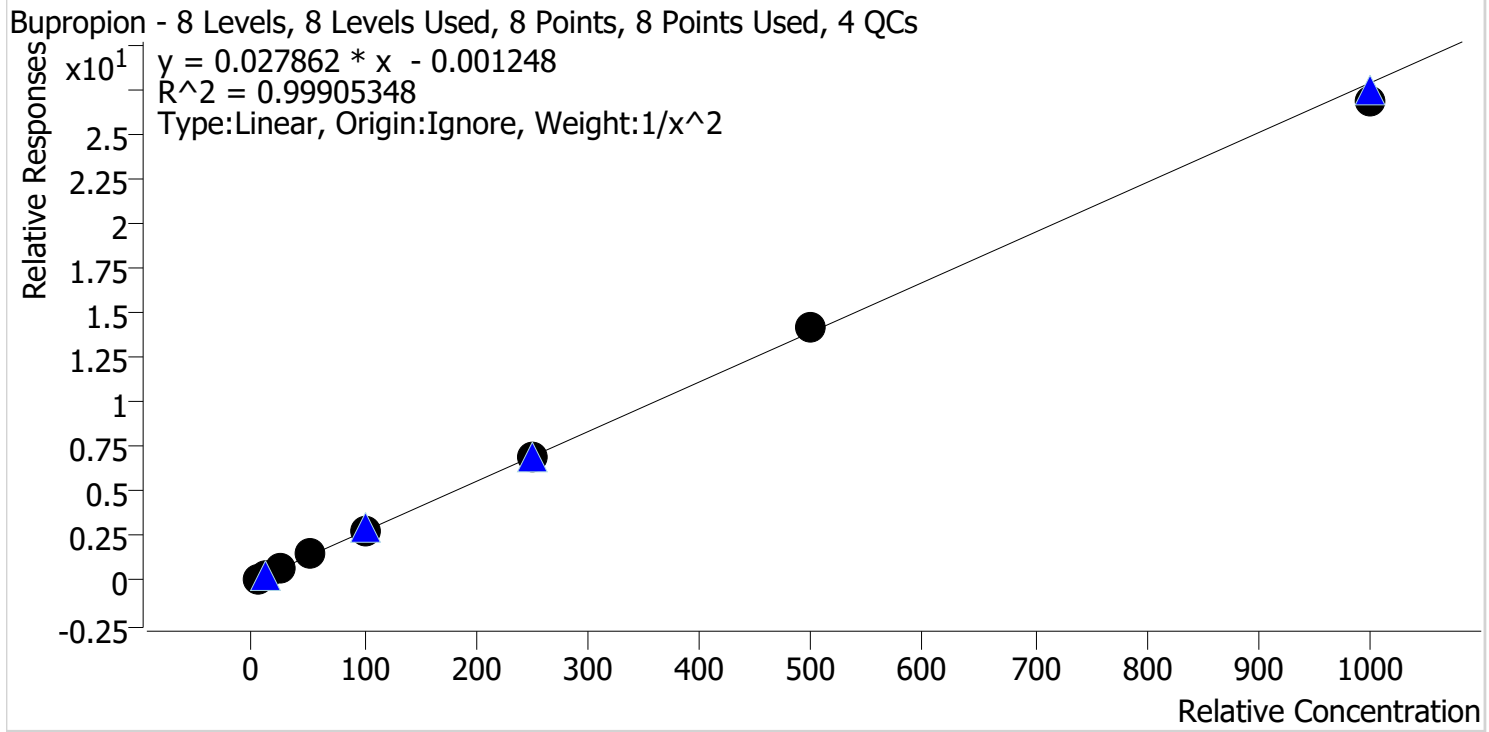
Calibrator 8 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



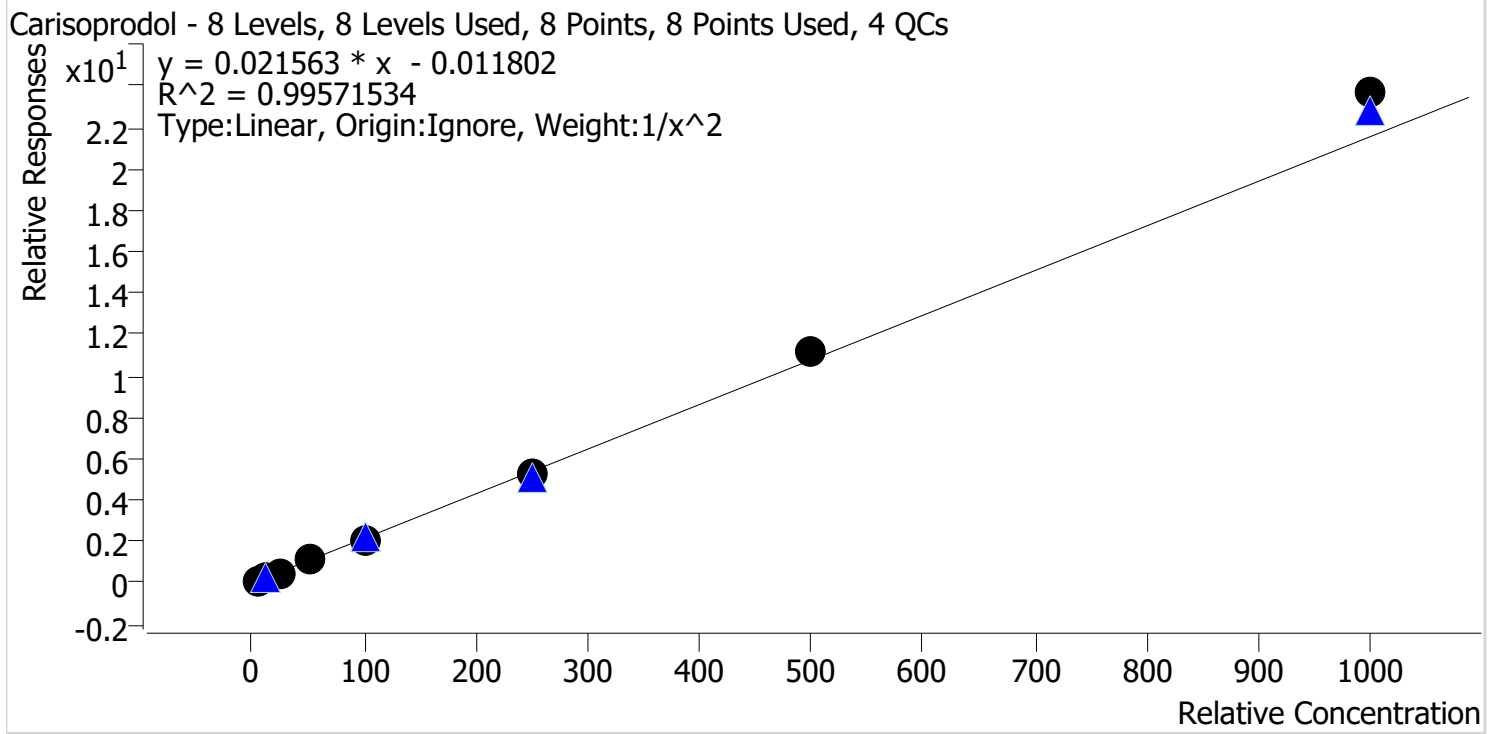
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	510.0	102.0
p1 Cal 8-1000ng	8	✓	1000.0	967.2	96.7

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.6
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	94.5	94.5
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	520.1	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1098.8	109.9

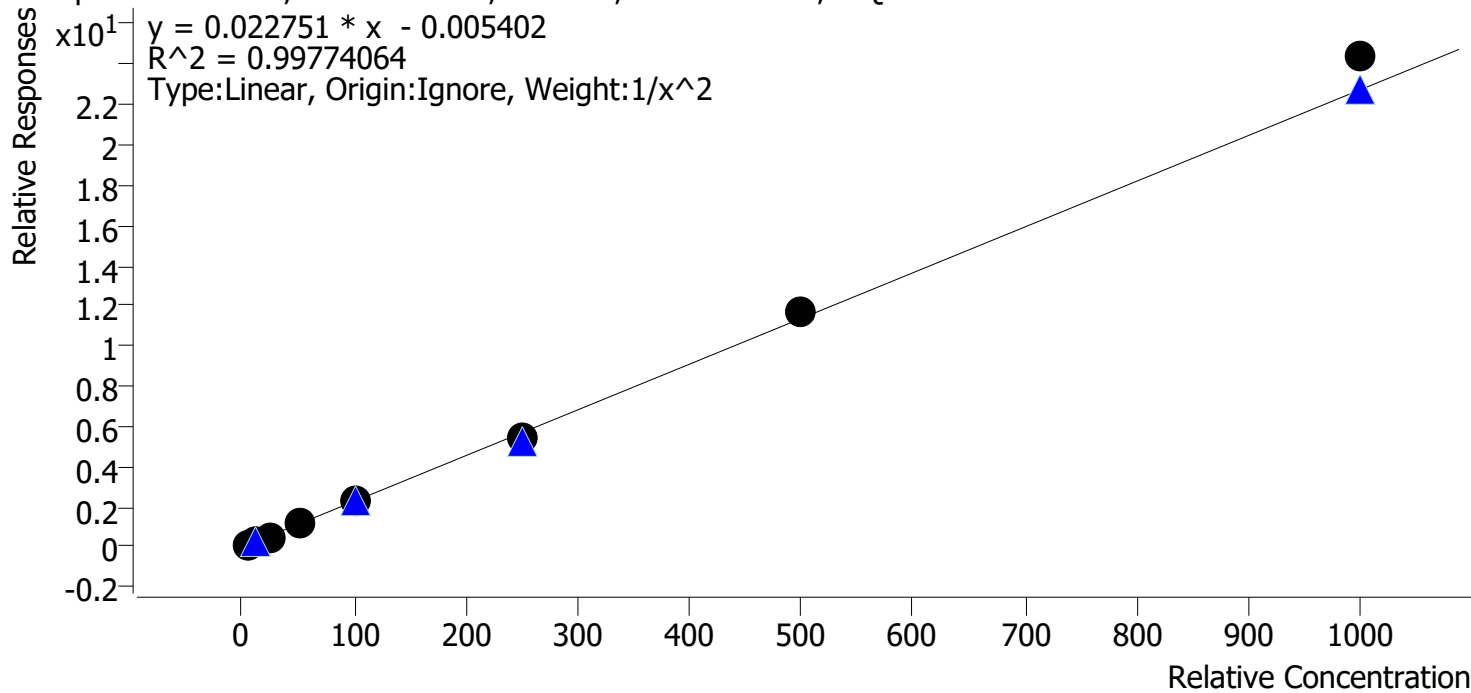
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



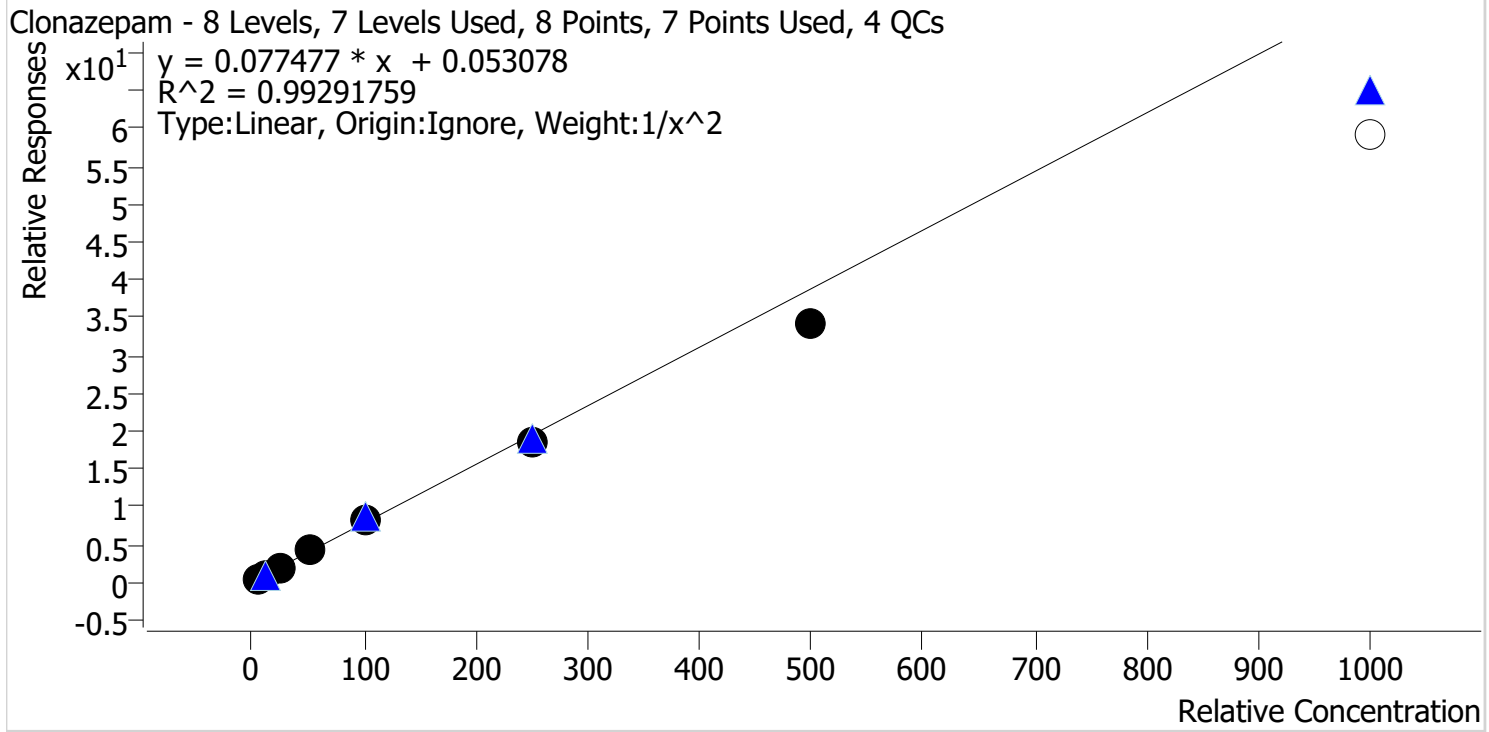
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	240.3	96.1
p1 Cal 7-500ng	7	✓	500.0	510.7	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1072.6	107.3

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng	4	✓	50.0	55.7	111.4
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	239.8	95.9
p1 Cal 7-500ng	7	✓	500.0	441.5	88.3
p1 Cal 8-1000ng	8	✗	1000.0	760.6	76.1

Calibrator 8 dropped due to not meeting accuracy requirement

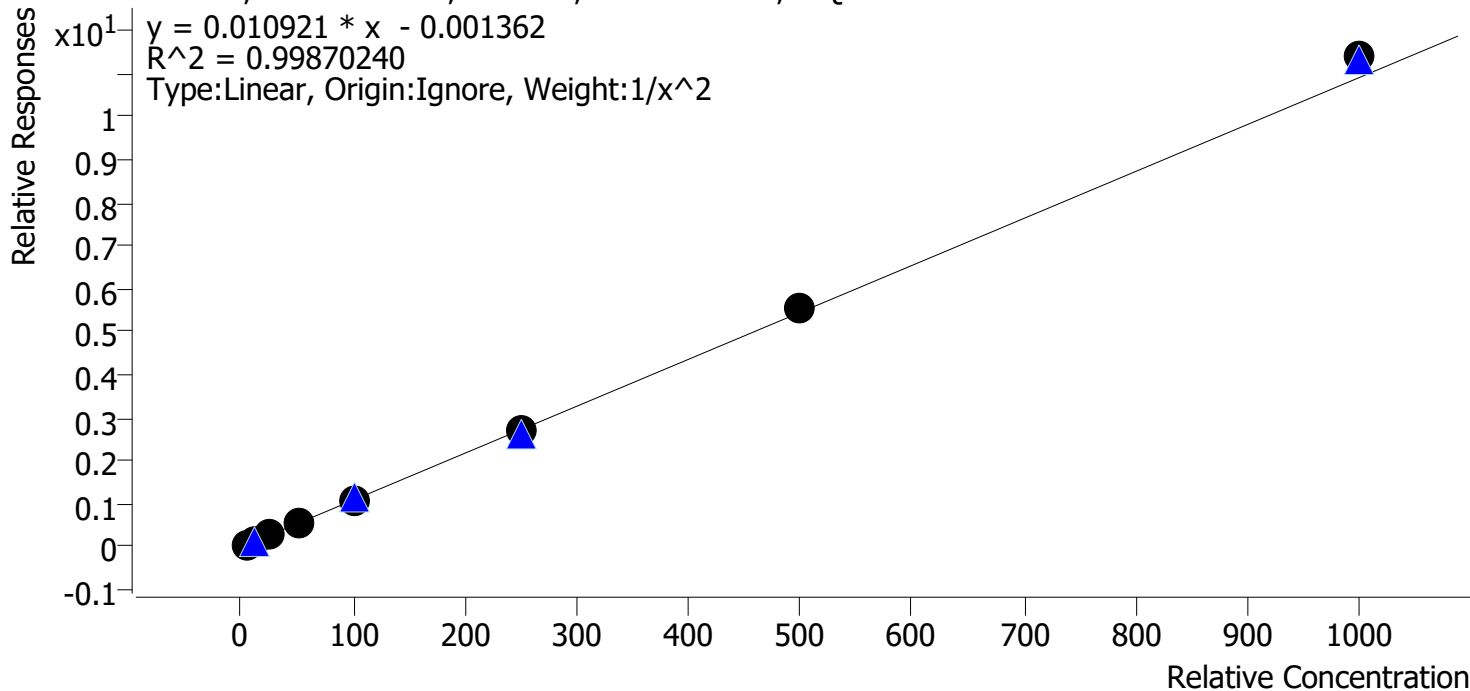
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



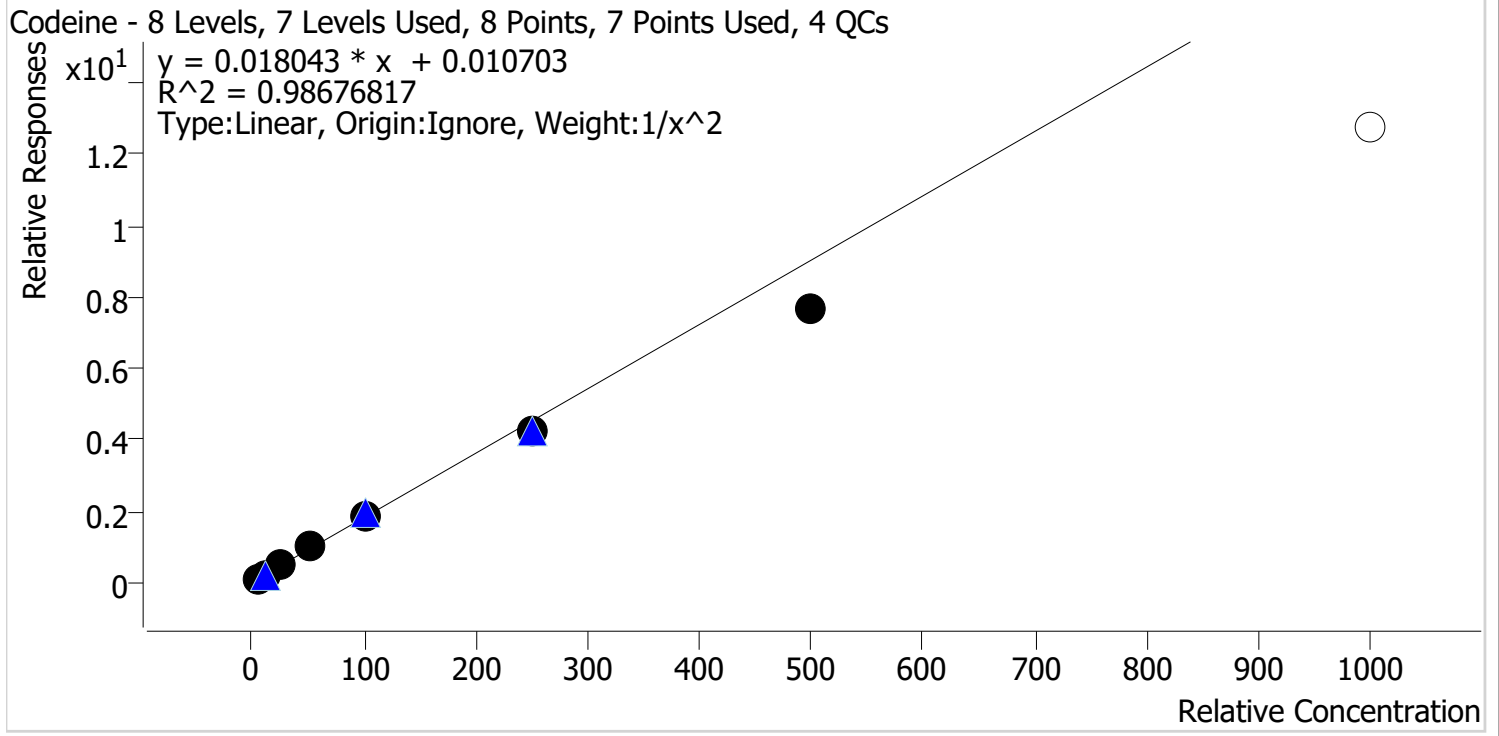
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	51.5	102.9
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1044.7	104.5



SC

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	57.5	115.0
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	232.4	92.9
p1 Cal 7-500ng	7	✓	500.0	422.8	84.6
p1 Cal 8-1000ng	8	x	1000.0	705.9	70.6

Calibrator 8 dropped due to not meeting accuracy requirement

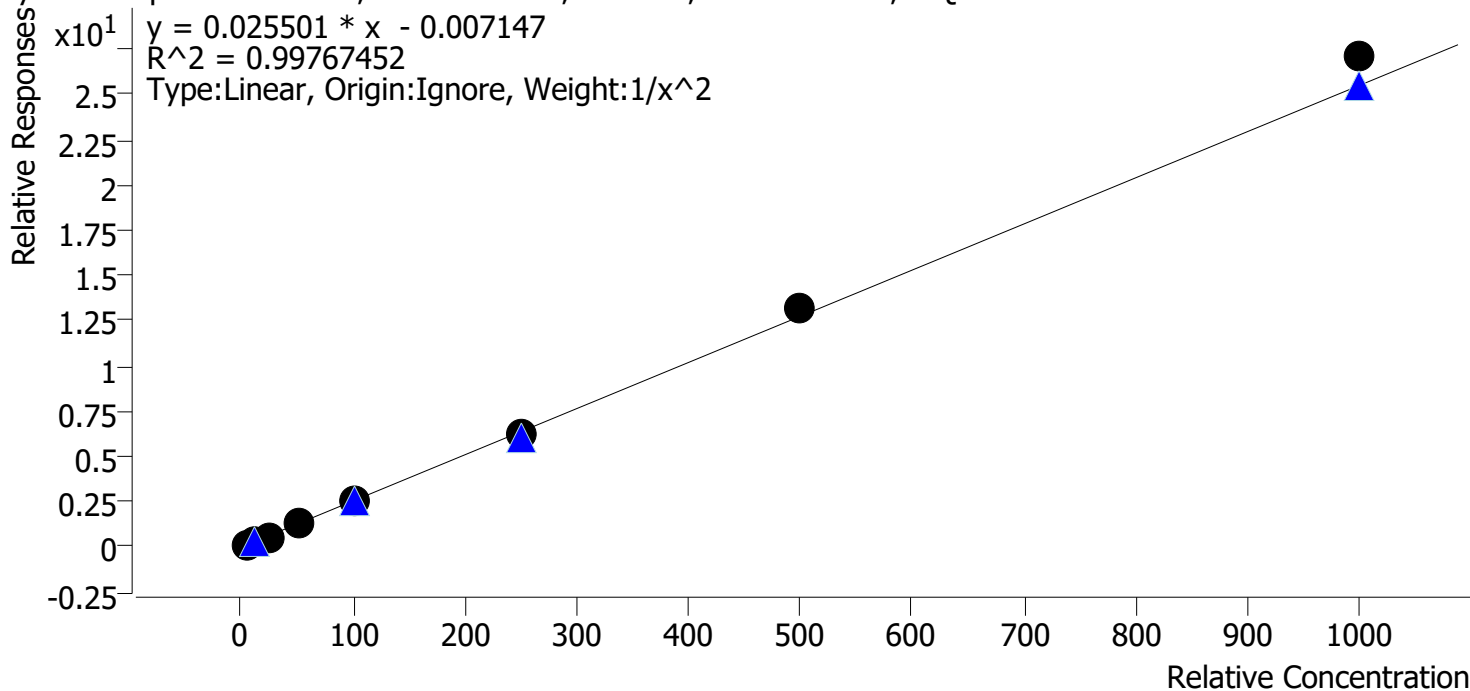
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	101.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.2
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	245.0	98.0
p1 Cal 7-500ng	7	✓	500.0	517.0	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1062.7	106.3

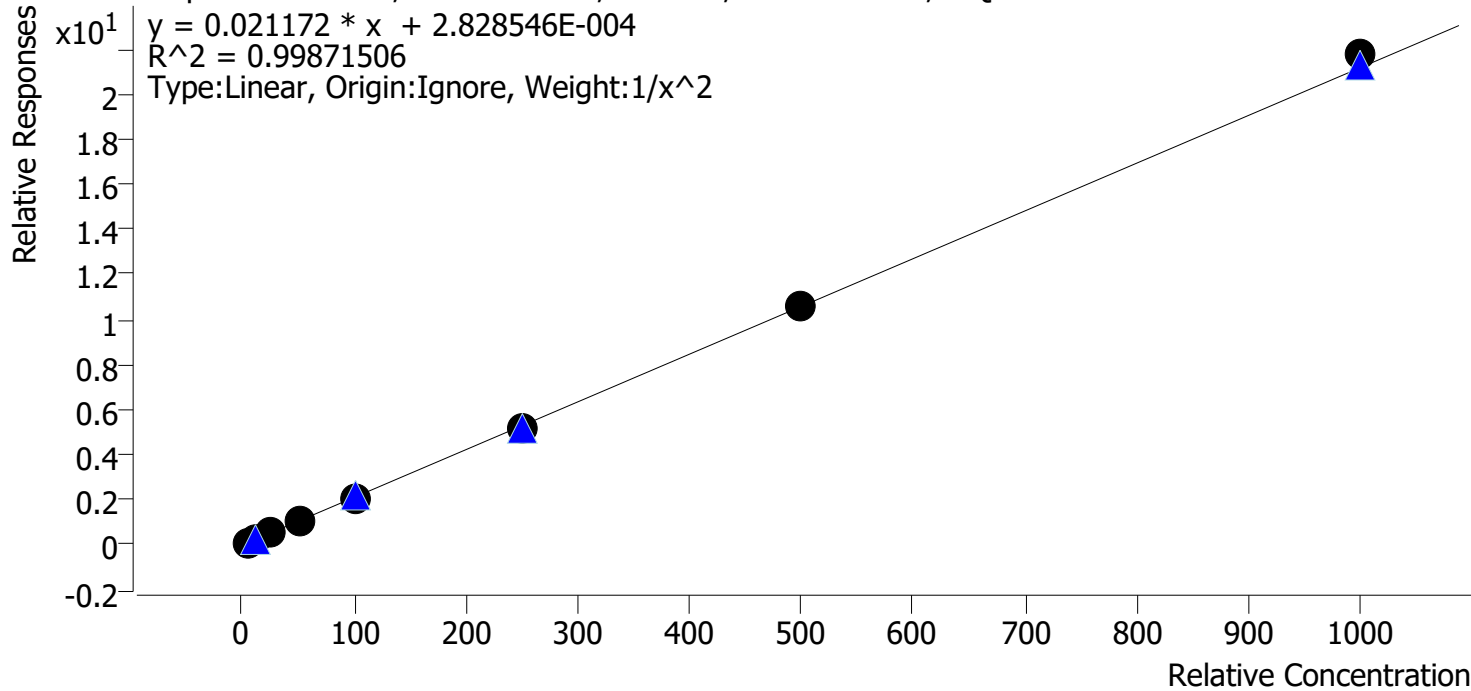
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



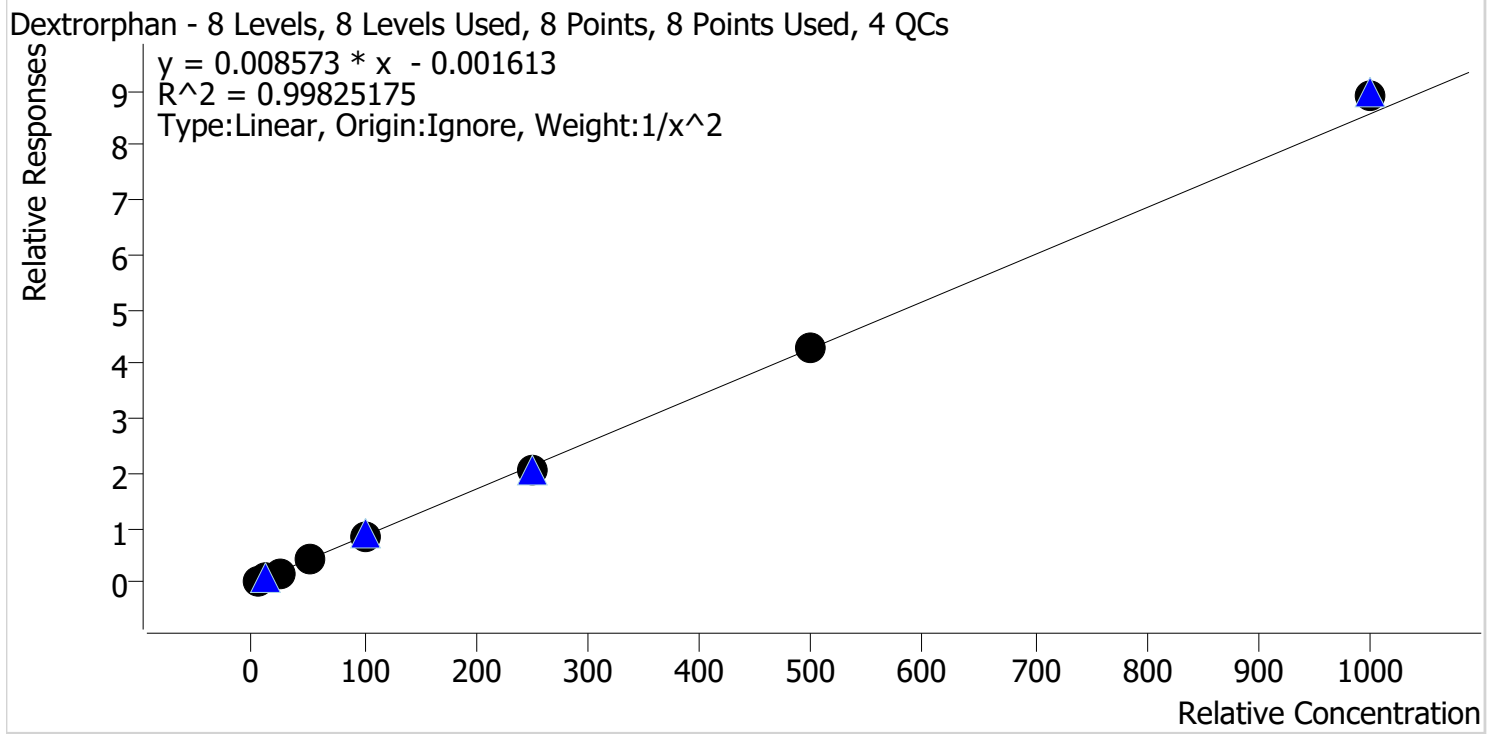
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	242.1	96.9
p1 Cal 7-500ng	7	✓	500.0	503.9	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1027.5	102.8

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3



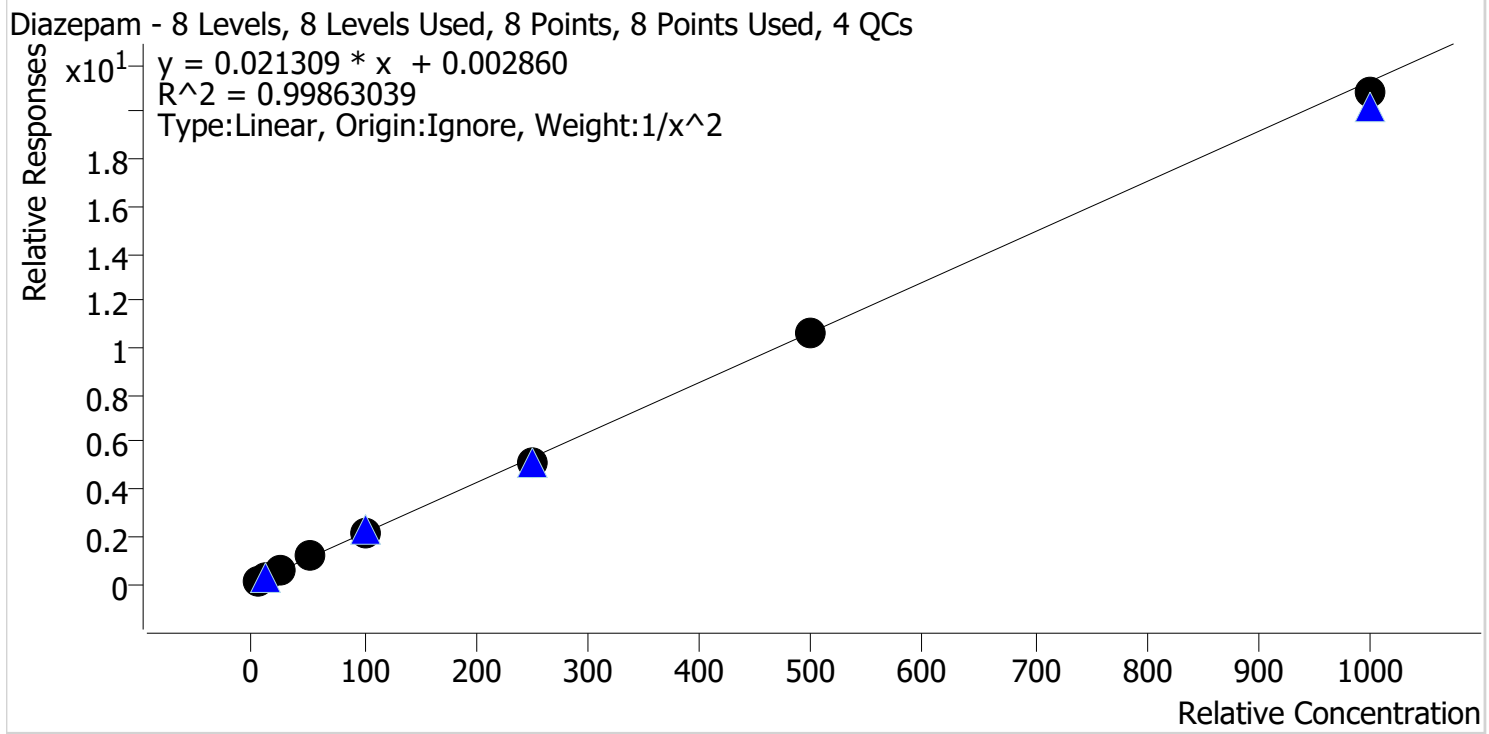
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.3
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	242.5	97.0
p1 Cal 7-500ng	7	✓	500.0	504.9	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1040.7	104.1

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



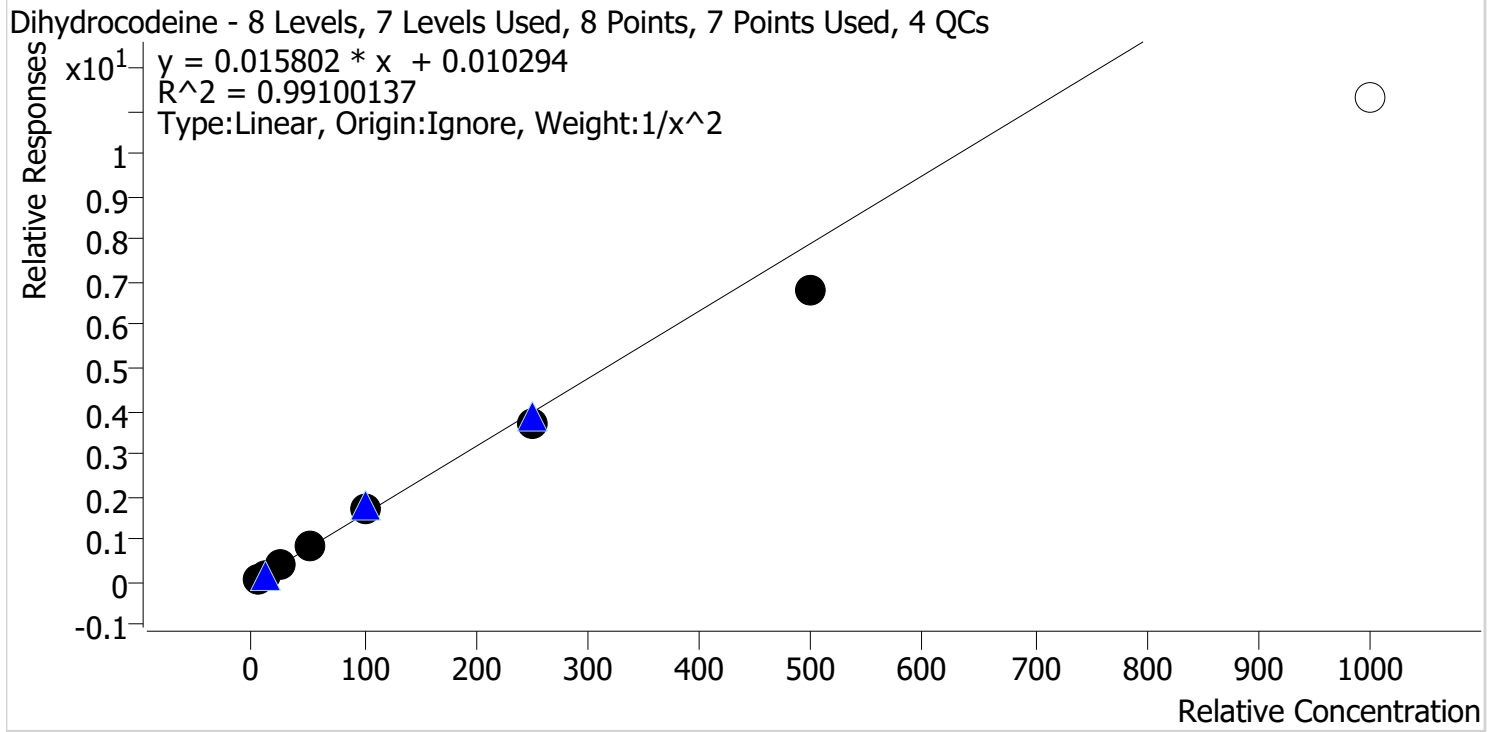
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	240.8	96.3
p1 Cal 7-500ng	7	✓	500.0	497.9	99.6
p1 Cal 8-1000ng	8	✓	1000.0	977.5	97.7

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	55.5	111.0
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	235.9	94.4
p1 Cal 7-500ng	7	✓	500.0	432.6	86.5
p1 Cal 8-1000ng	8	x	1000.0	715.1	71.5

Calibrator 8 dropped due to not meeting accuracy requirement

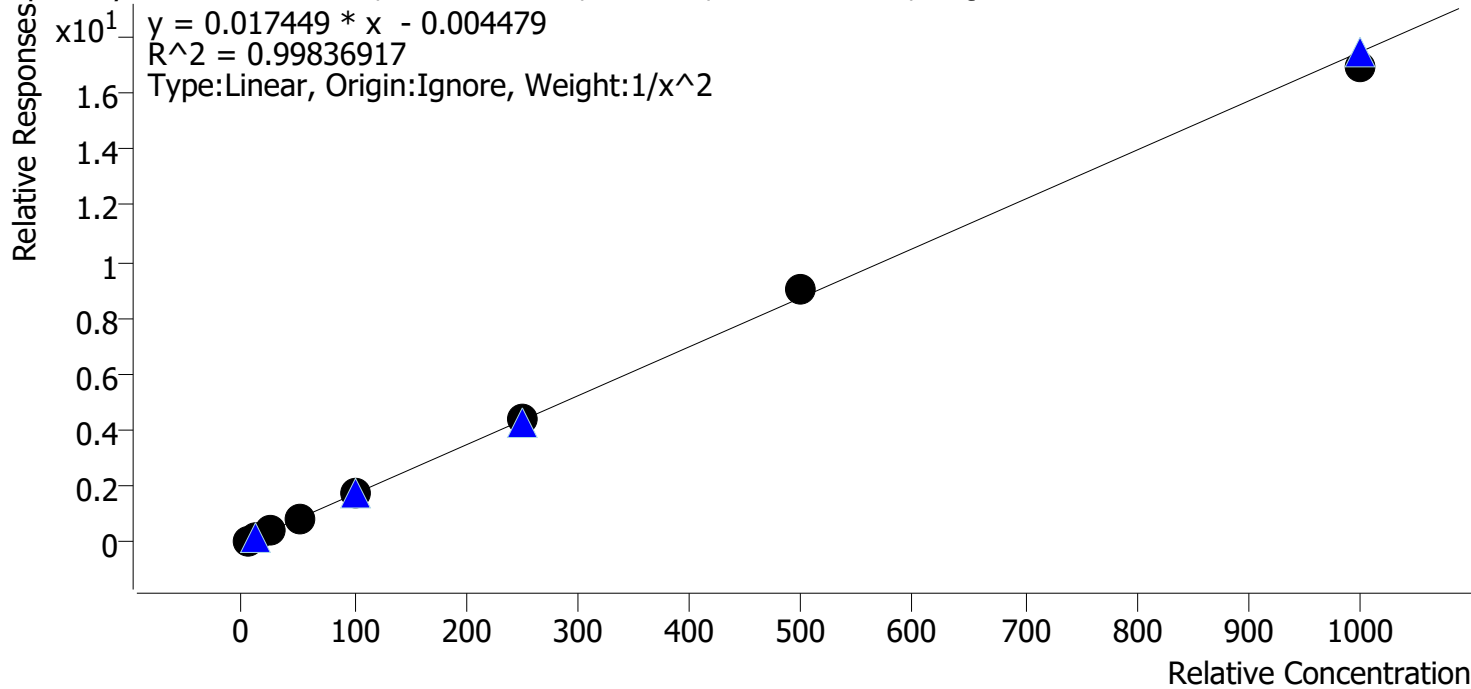
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



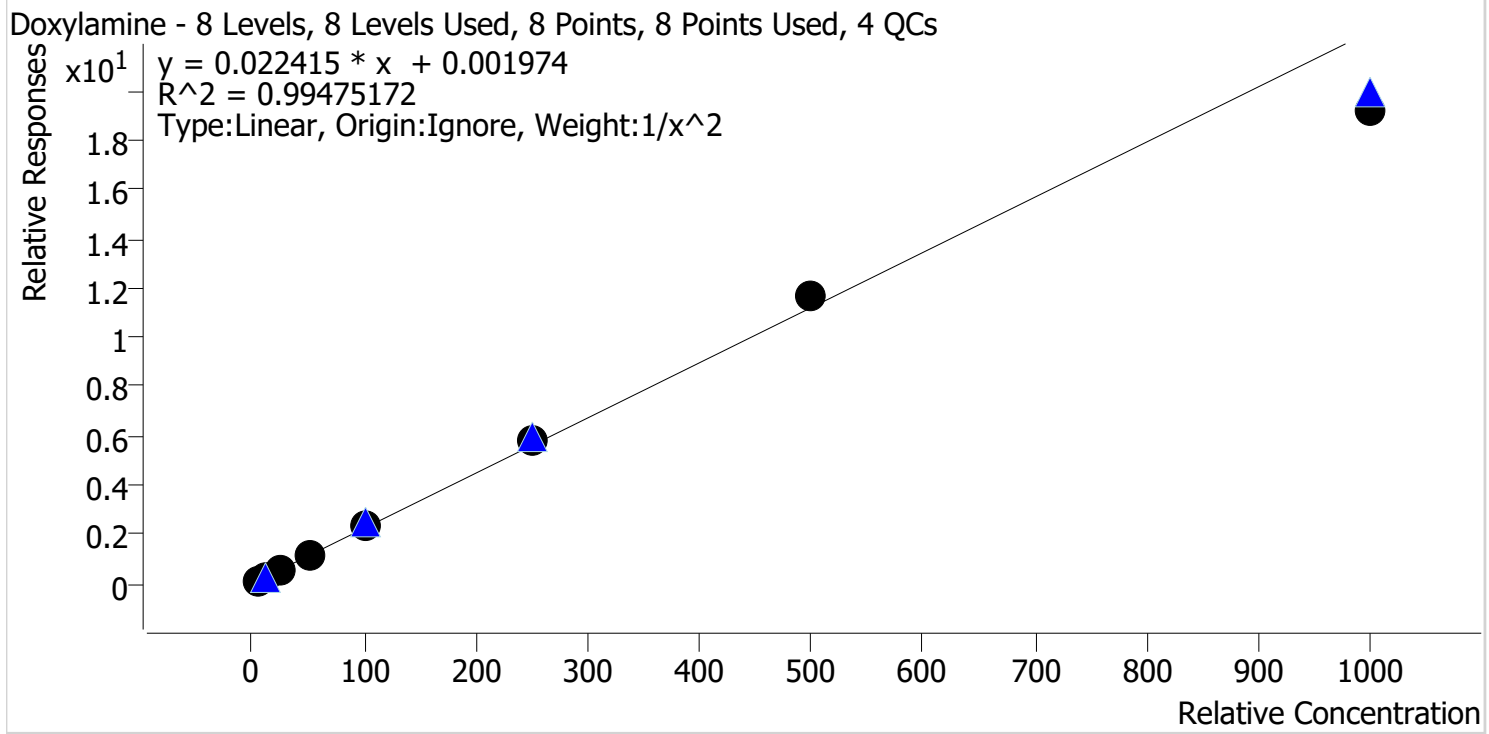
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.2
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	256.1	102.5
p1 Cal 7-500ng	7	✓	500.0	520.0	104.0
p1 Cal 8-1000ng	8	✓	1000.0	970.1	97.0

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	261.4	104.5
p1 Cal 7-500ng	7	✓	500.0	519.5	103.9
p1 Cal 8-1000ng	8	✓	1000.0	856.4	85.6

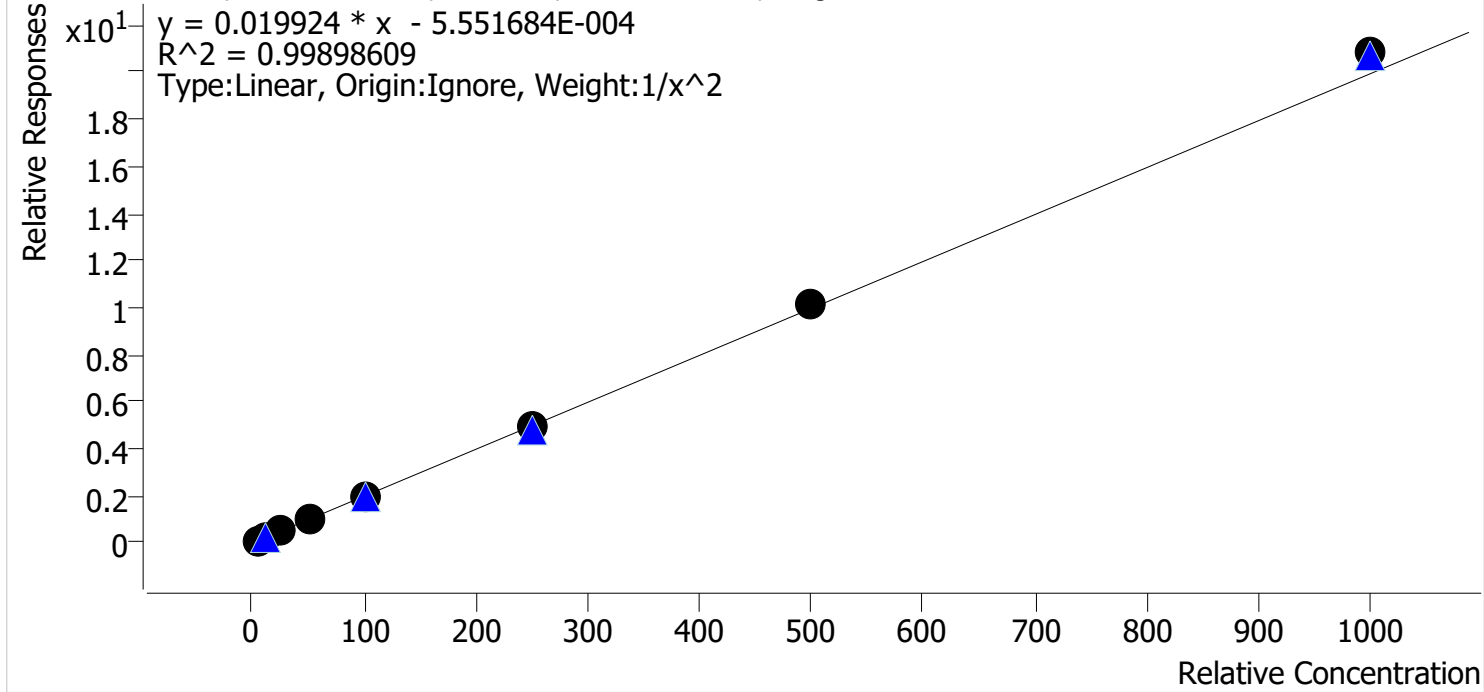
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	102.2
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	508.5	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1045.1	104.5

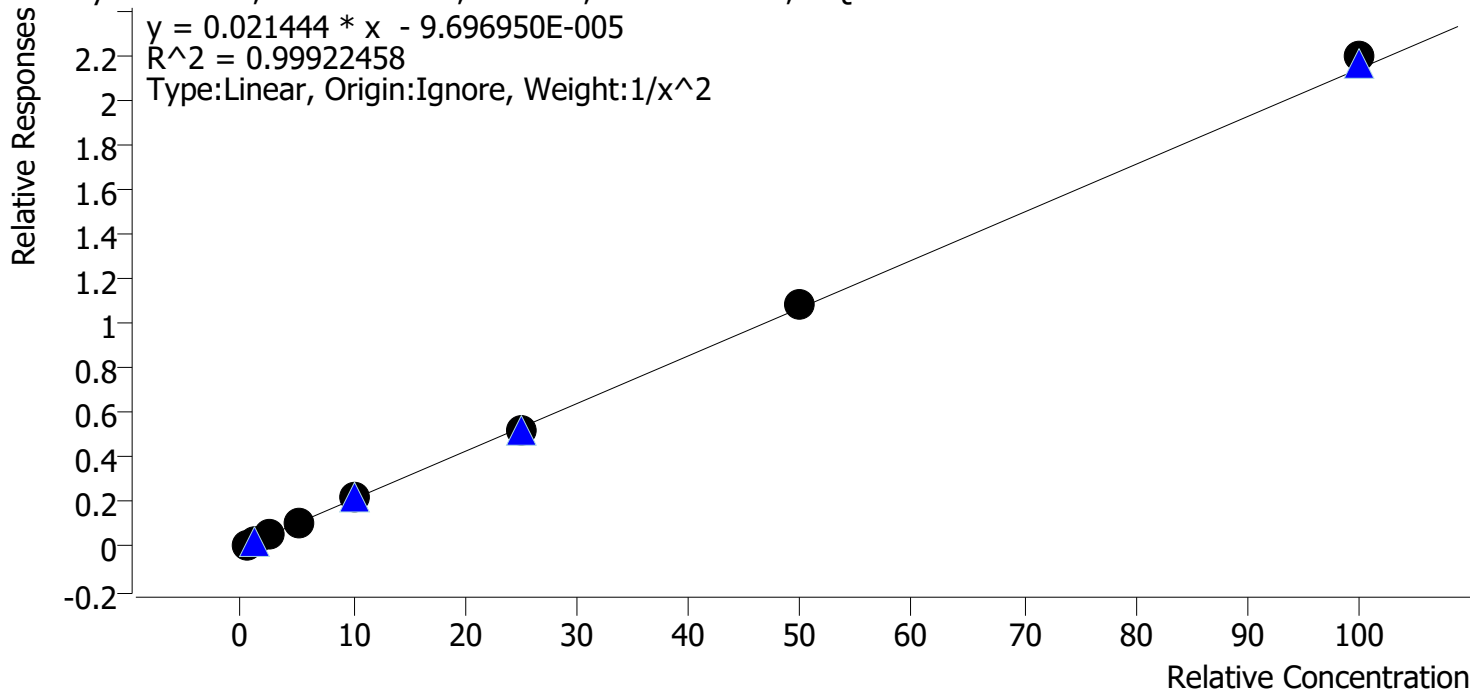
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



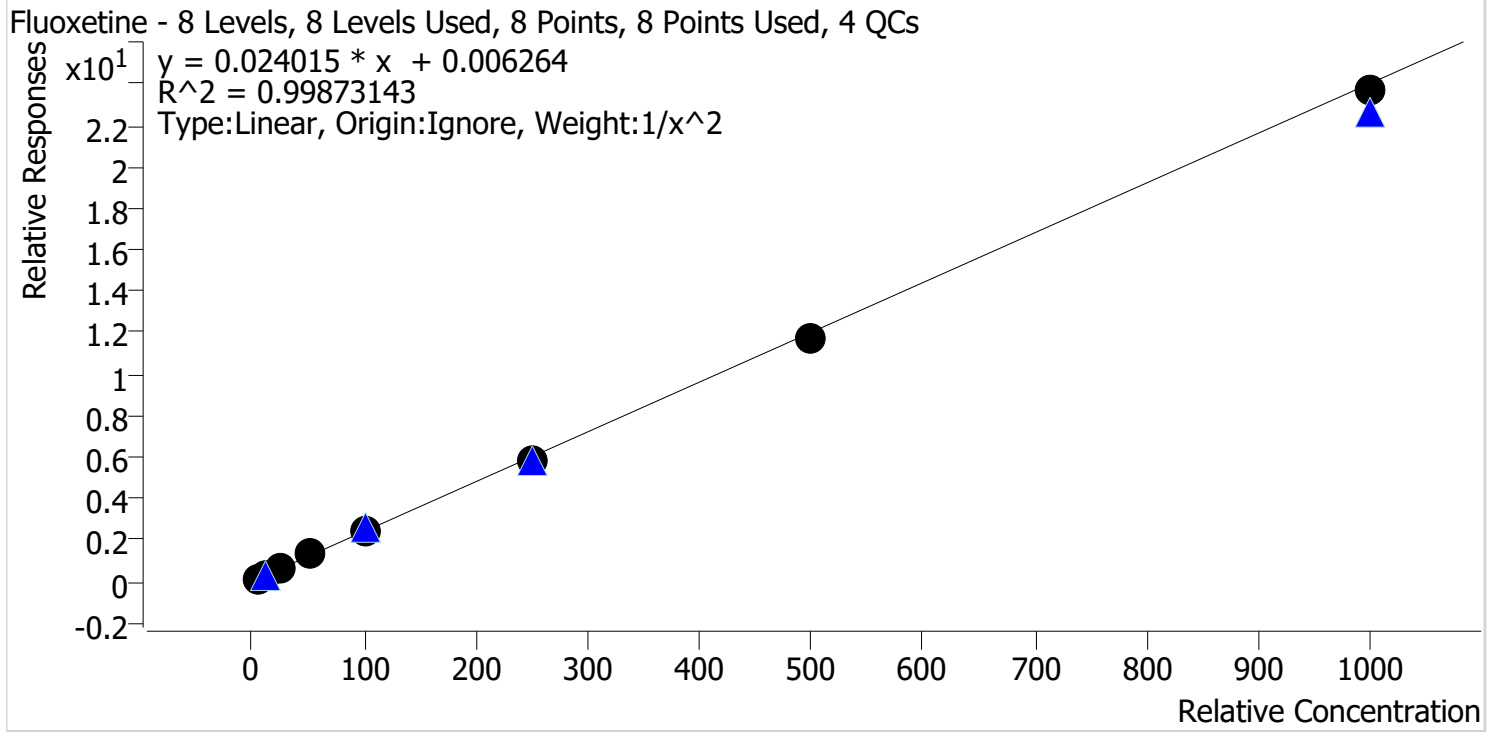
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.2
p1 Cal 2-10ng	2	✓	1.0	1.0	99.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.7
p1 Cal 4-50ng	4	✓	5.0	5.0	100.6
p1 Cal 5-100ng	5	✓	10.0	10.2	102.3
p1 Cal 6-250ng	6	✓	25.0	24.3	97.3
p1 Cal 7-500ng	7	✓	50.0	50.6	101.2
p1 Cal 8-1000ng	8	✓	100.0	102.5	102.5

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



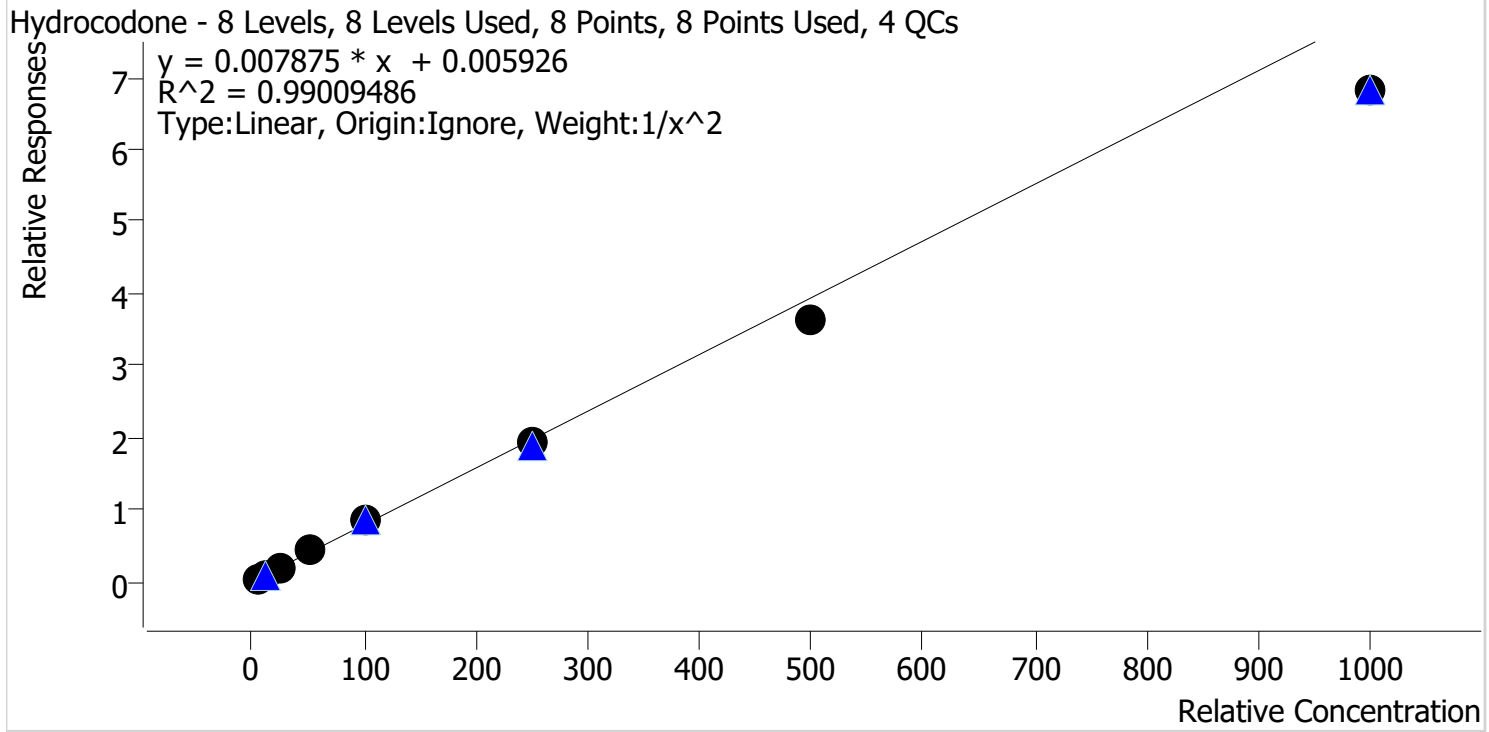
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	243.5	97.4
p1 Cal 7-500ng	7	✓	500.0	490.7	98.1
p1 Cal 8-1000ng	8	✓	1000.0	985.5	98.6

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



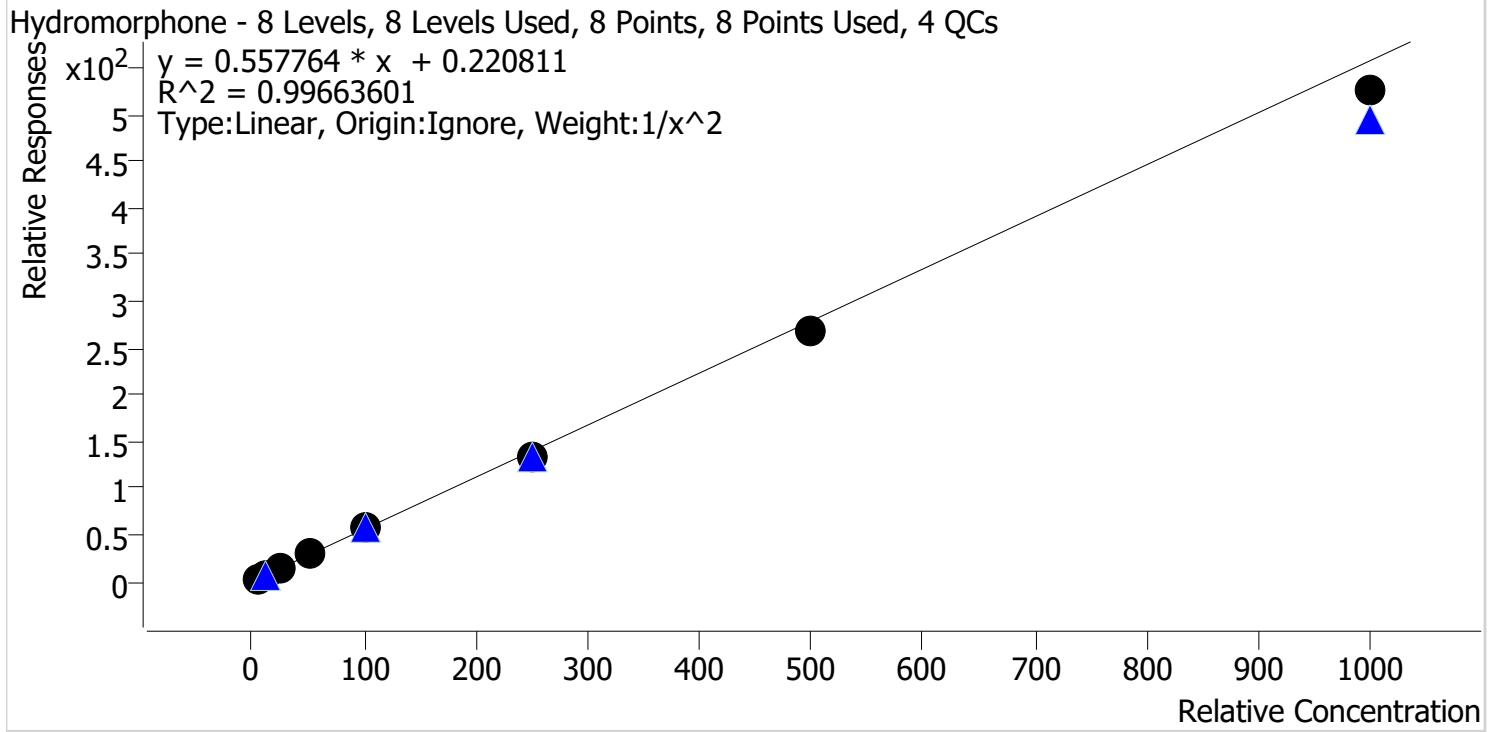
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.8
p1 Cal 4-50ng	4	✓	50.0	57.1	114.2
p1 Cal 5-100ng	5	✓	100.0	107.8	107.8
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	462.2	92.4
p1 Cal 8-1000ng	8	✓	1000.0	864.3	86.4

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Hydromorphone **Internal Standard** Morphine-D6



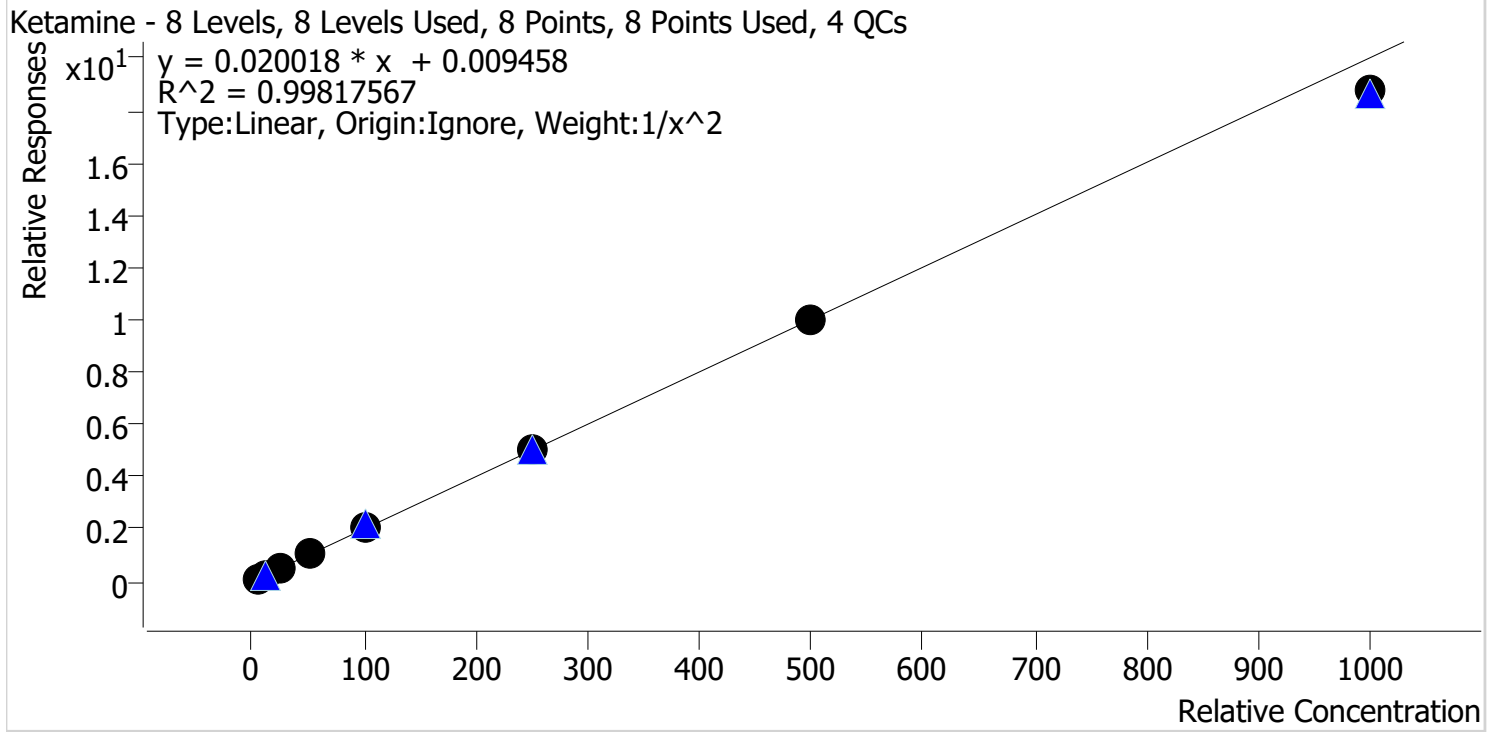
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	242.1	96.8
p1 Cal 7-500ng	7	✓	500.0	480.3	96.1
p1 Cal 8-1000ng	8	✓	1000.0	942.5	94.3

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



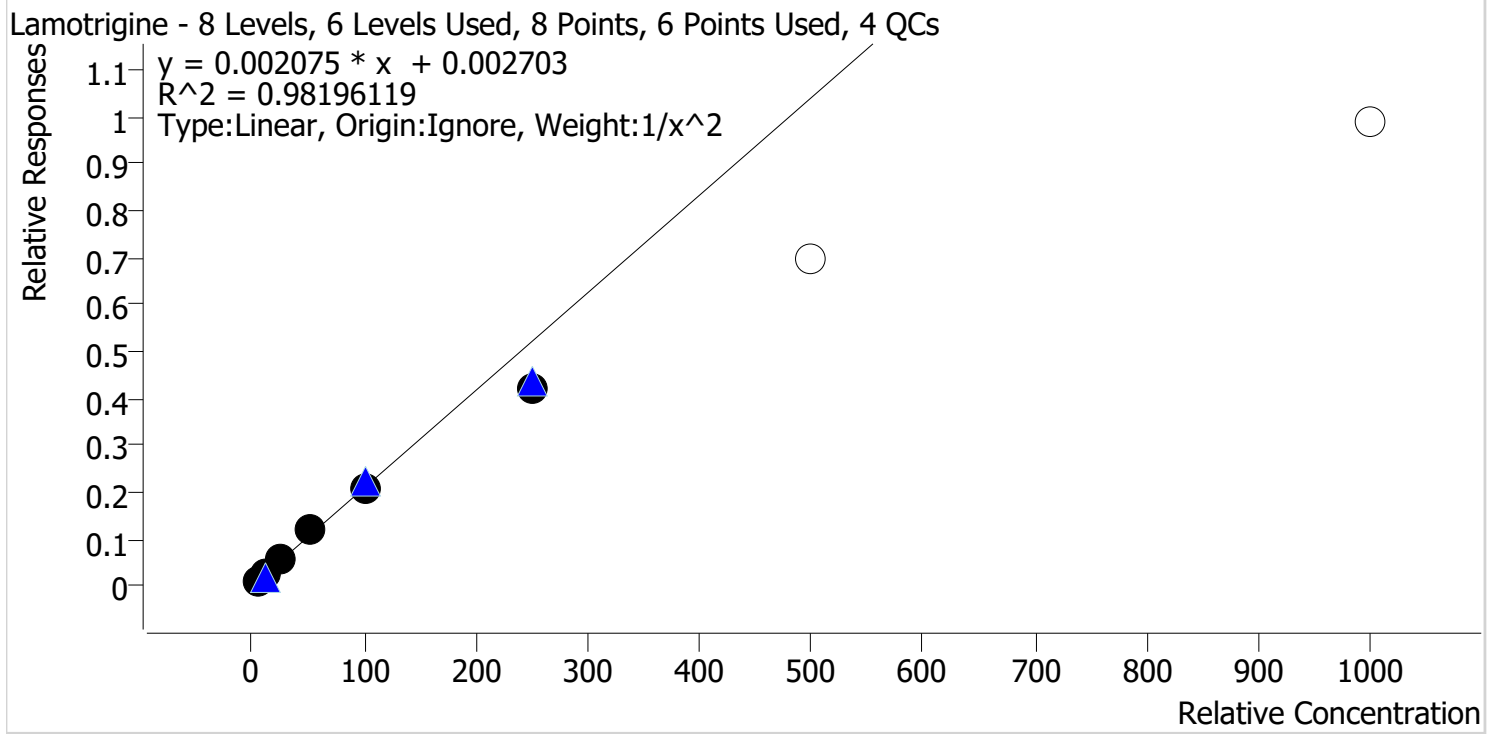
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	497.4	99.5
p1 Cal 8-1000ng	8	✓	1000.0	937.1	93.7

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	57.2	114.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	202.6	81.1
p1 Cal 7-500ng	7	x	500.0	335.9	67.2
p1 Cal 8-1000ng	8	x	1000.0	475.5	47.6

Calibrators 7 and 8 dropped due to not meeting accuracy requirement

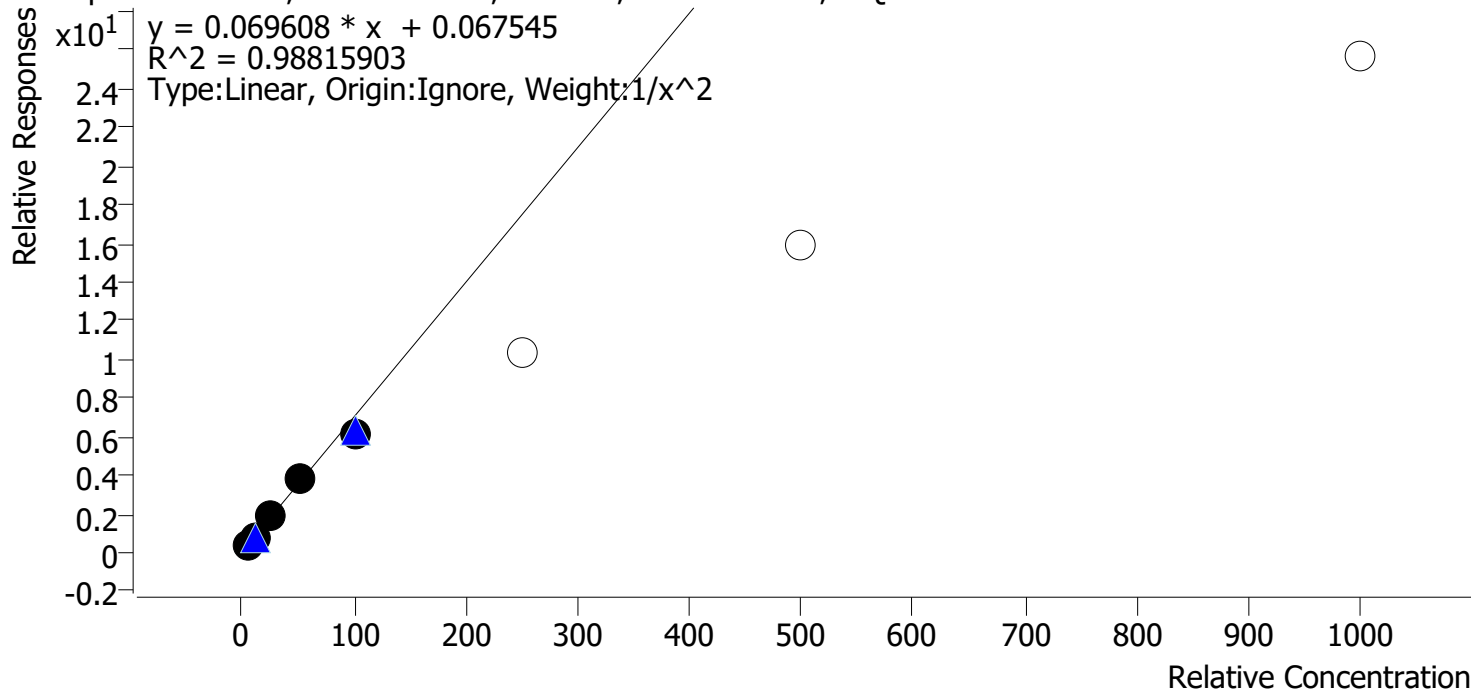
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	86.6	86.6
p1 Cal 6-250ng	6	✗	250.0	148.0	59.2
p1 Cal 7-500ng	7	✗	500.0	227.4	45.5
p1 Cal 8-1000ng	8	✗	1000.0	367.6	36.8

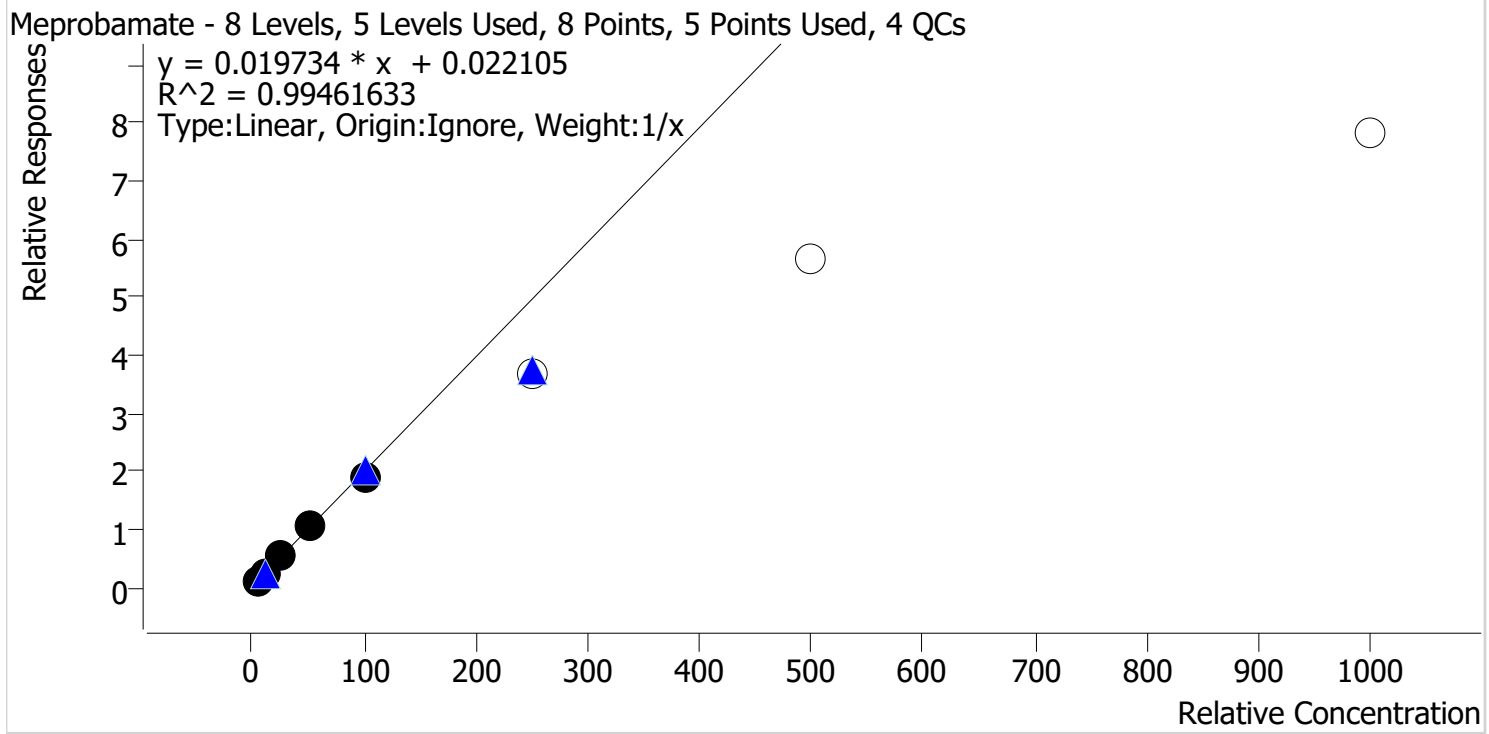
Calibrators 6-8 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	4.6	92.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.6
p1 Cal 4-50ng	4	✓	50.0	54.2	108.3
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	x	250.0	184.6	73.9
p1 Cal 7-500ng	7	x	500.0	285.8	57.2
p1 Cal 8-1000ng	8	x	1000.0	393.7	39.4

Calibrators 6-8 dropped due to not meeting accuracy requirement

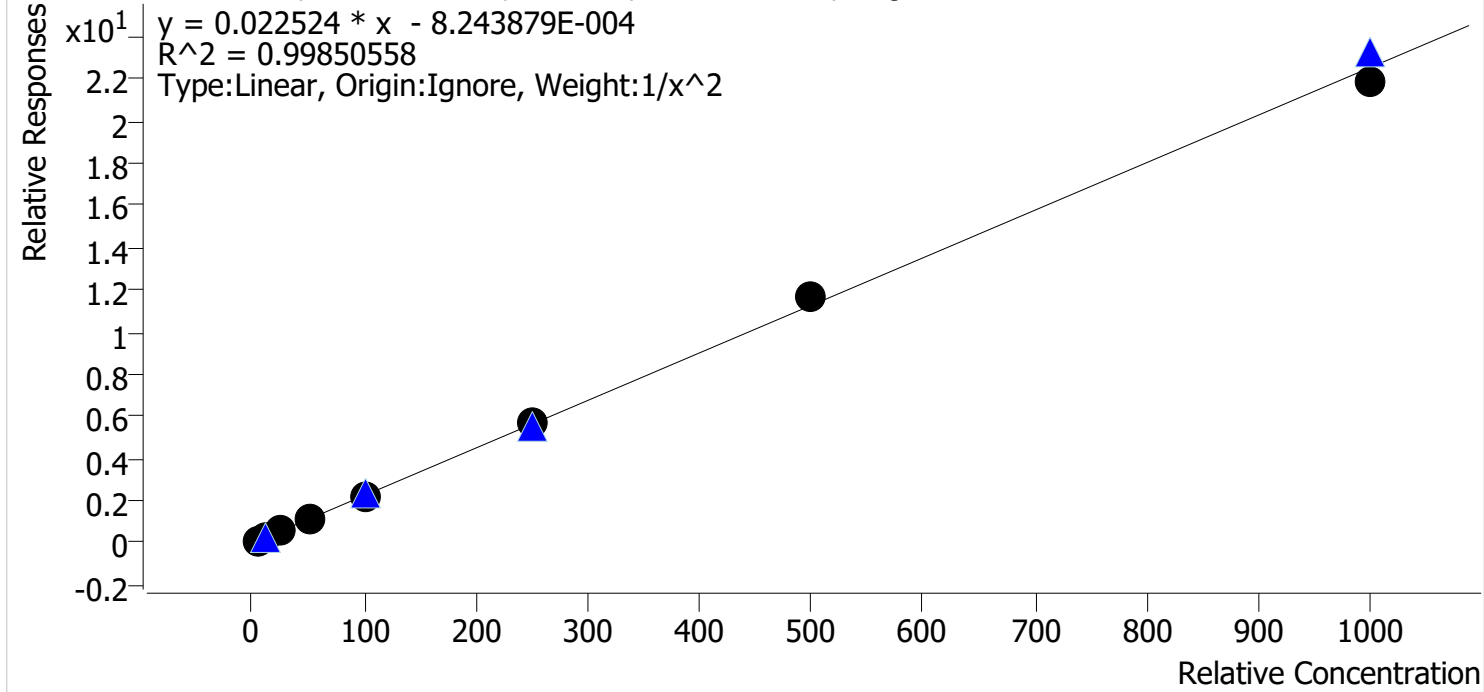
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



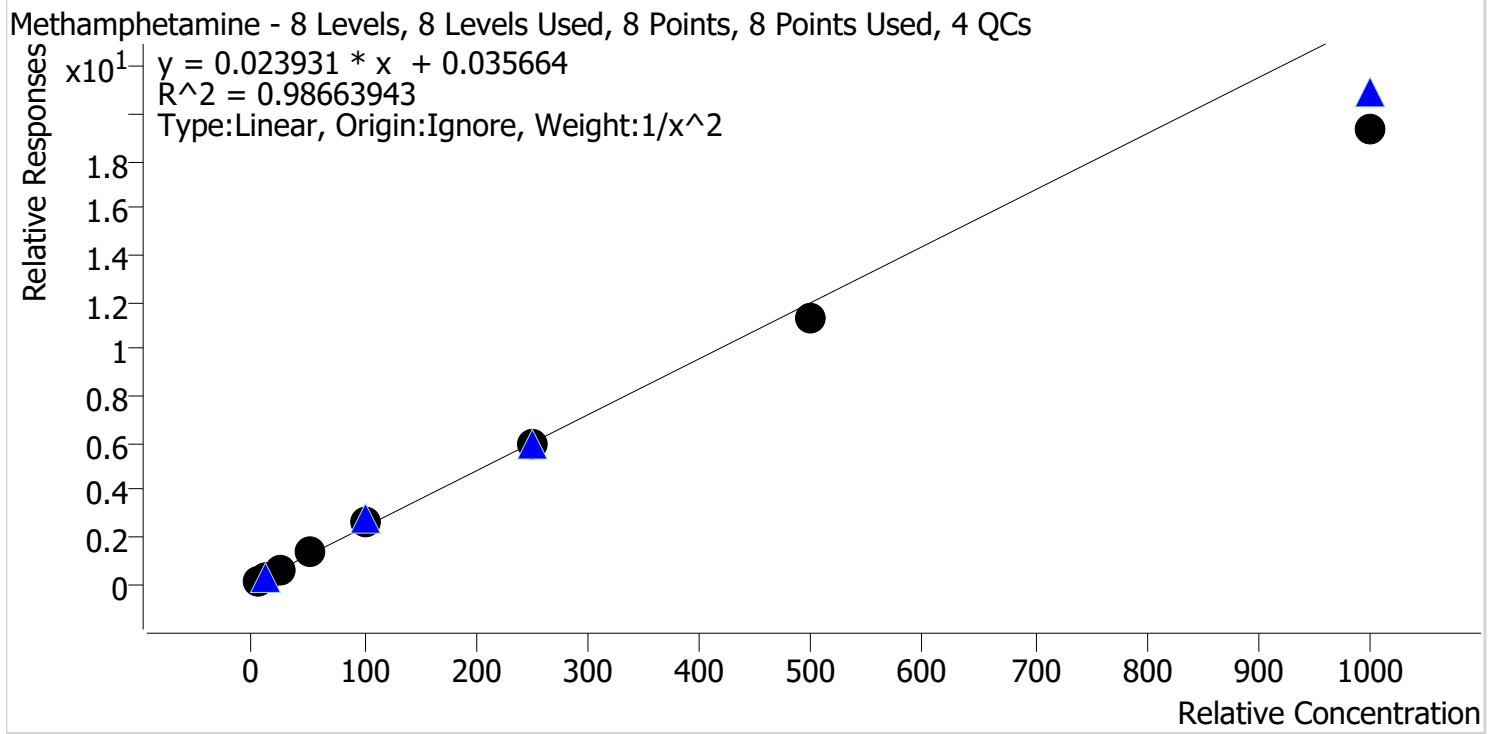
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.4
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	254.9	101.9
p1 Cal 7-500ng	7	✓	500.0	518.1	103.6
p1 Cal 8-1000ng	8	✓	1000.0	968.4	96.8

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	96.1
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	57.7	115.4
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	472.6	94.5
p1 Cal 8-1000ng	8	✓	1000.0	809.9	81.0

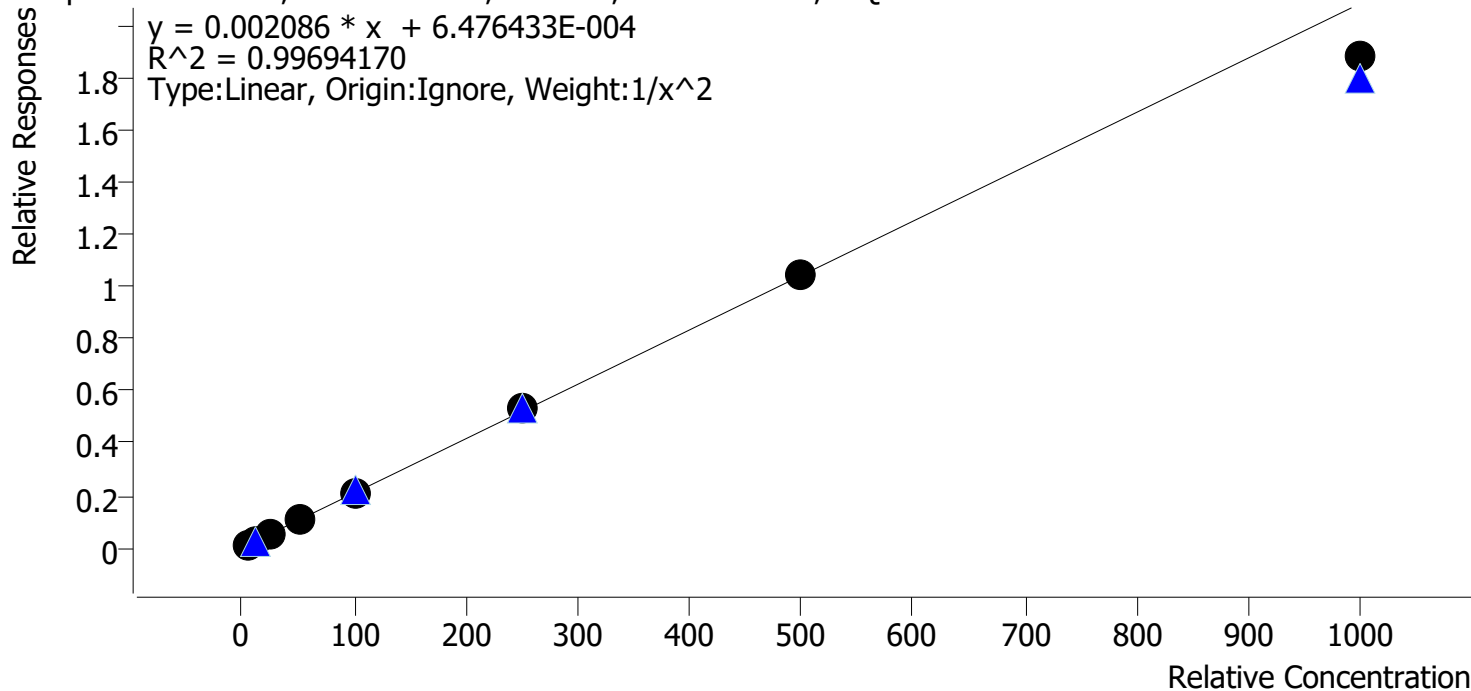
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	503.7	100.7
p1 Cal 8-1000ng	8	✓	1000.0	902.6	90.3

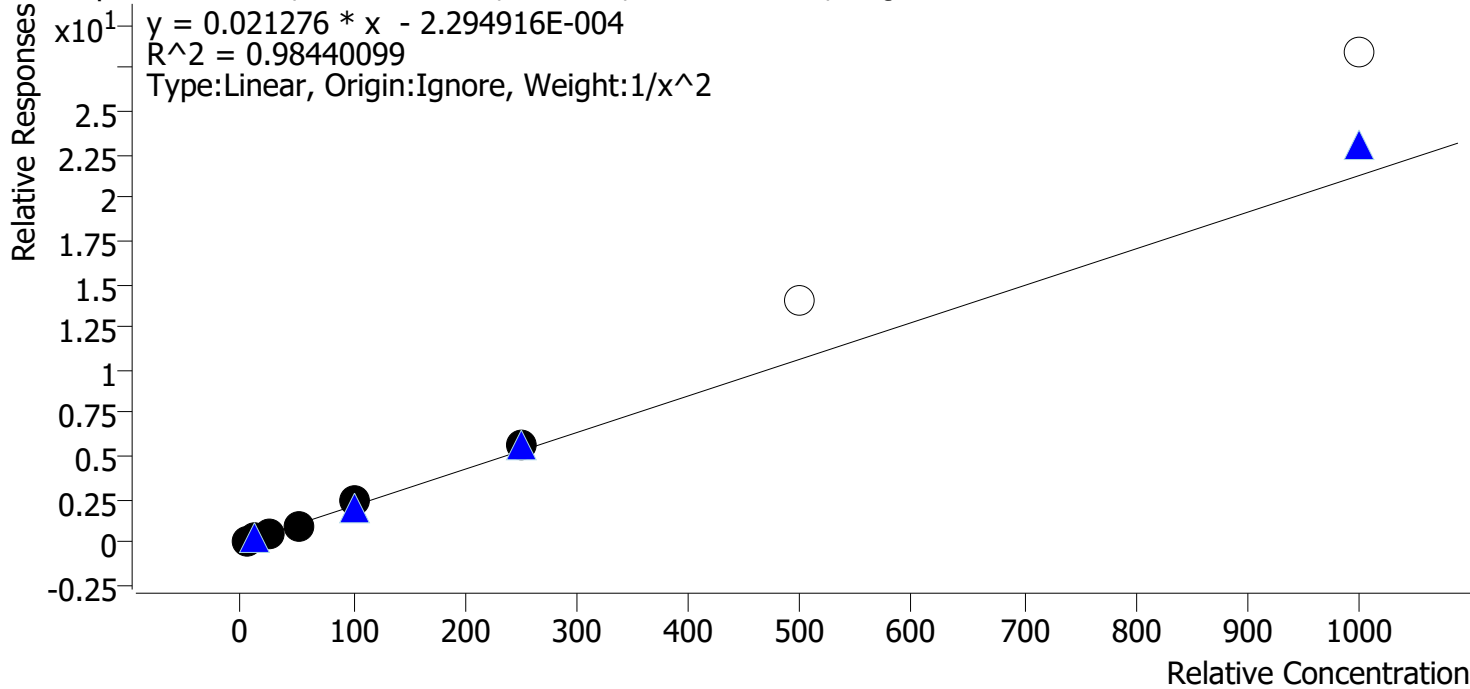
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

Mirtazapine - 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	5.4	107.5
p1 Cal 2-10ng	2	✓	10.0	8.9	89.2
p1 Cal 3 -25ng	3	✓	25.0	22.1	88.4
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	111.2	111.2
p1 Cal 6-250ng	6	✓	250.0	270.9	108.4
p1 Cal 7-500ng	7	x	500.0	655.3	131.1
p1 Cal 8-1000ng	8	x	1000.0	1334.9	133.5

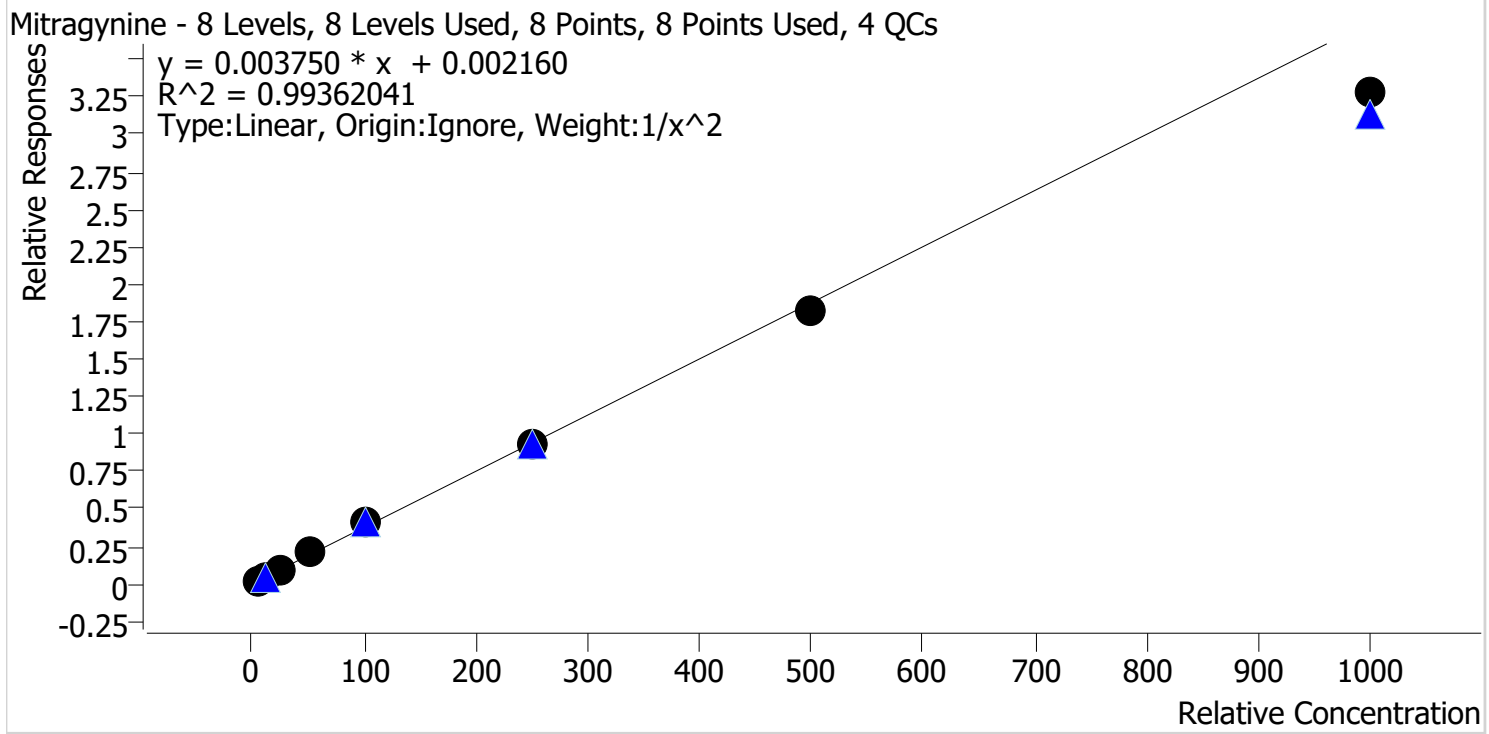
Calibrators 7 and 8 dropped due to not meeting accuracy requirement

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



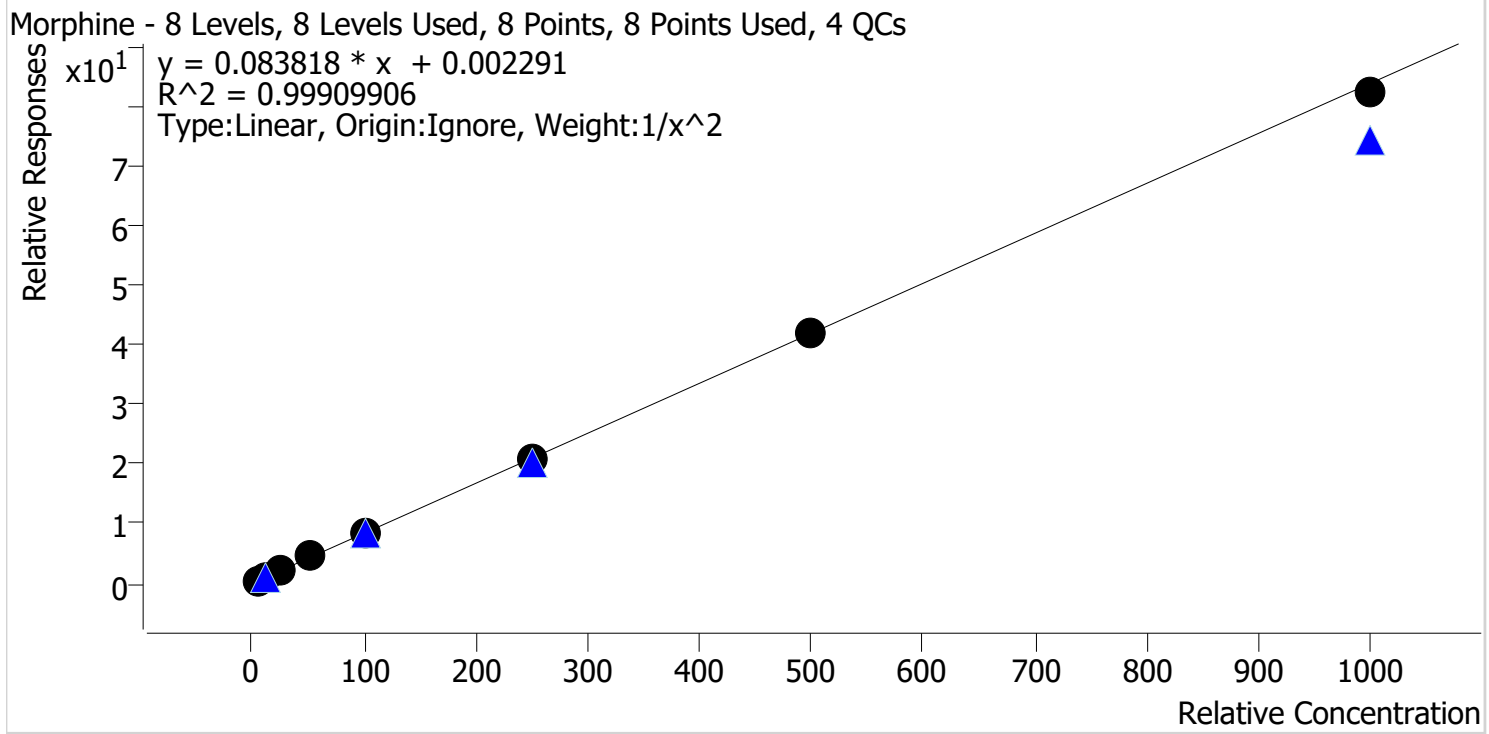
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	55.6	111.2
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	484.1	96.8
p1 Cal 8-1000ng	8	✓	1000.0	874.3	87.4

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	497.6	99.5
p1 Cal 8-1000ng	8	✓	1000.0	981.6	98.2

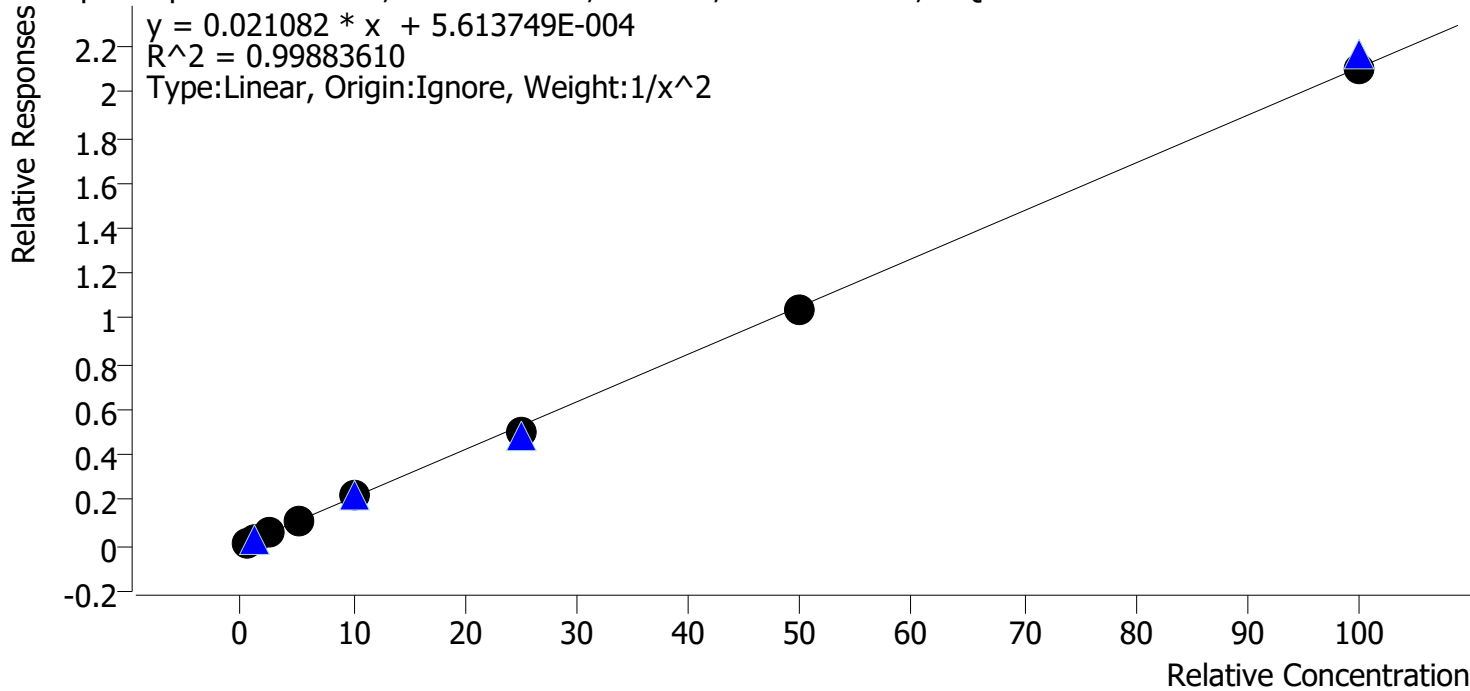
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



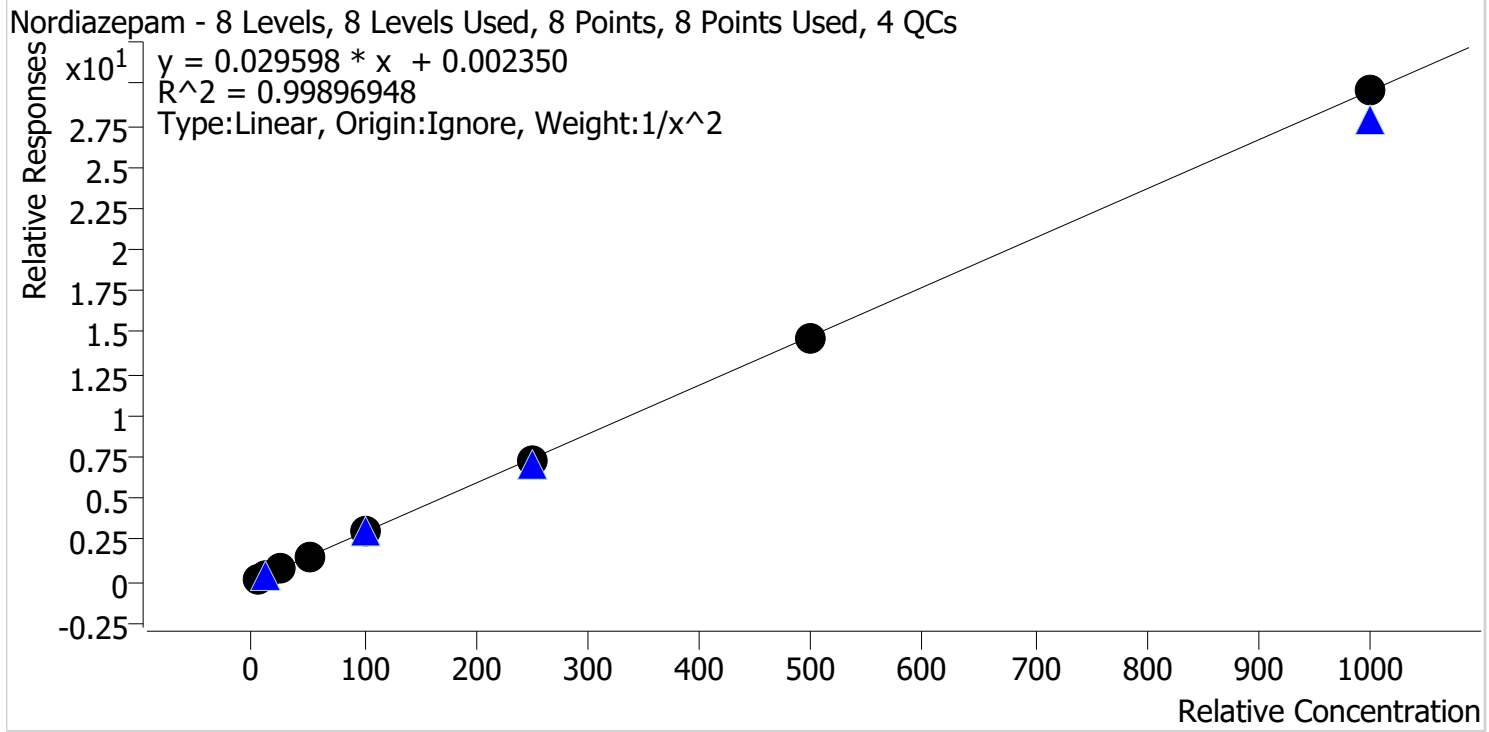
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.8
p1 Cal 2-10ng	2	✓	1.0	1.0	99.2
p1 Cal 3 -25ng	3	✓	2.5	2.5	102.0
p1 Cal 4-50ng	4	✓	5.0	5.1	101.1
p1 Cal 5-100ng	5	✓	10.0	10.5	105.0
p1 Cal 6-250ng	6	✓	25.0	23.7	94.8
p1 Cal 7-500ng	7	✓	50.0	49.1	98.1
p1 Cal 8-1000ng	8	✓	100.0	99.9	99.9

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Nordiazepam Internal Standard Nordiazepam-D5



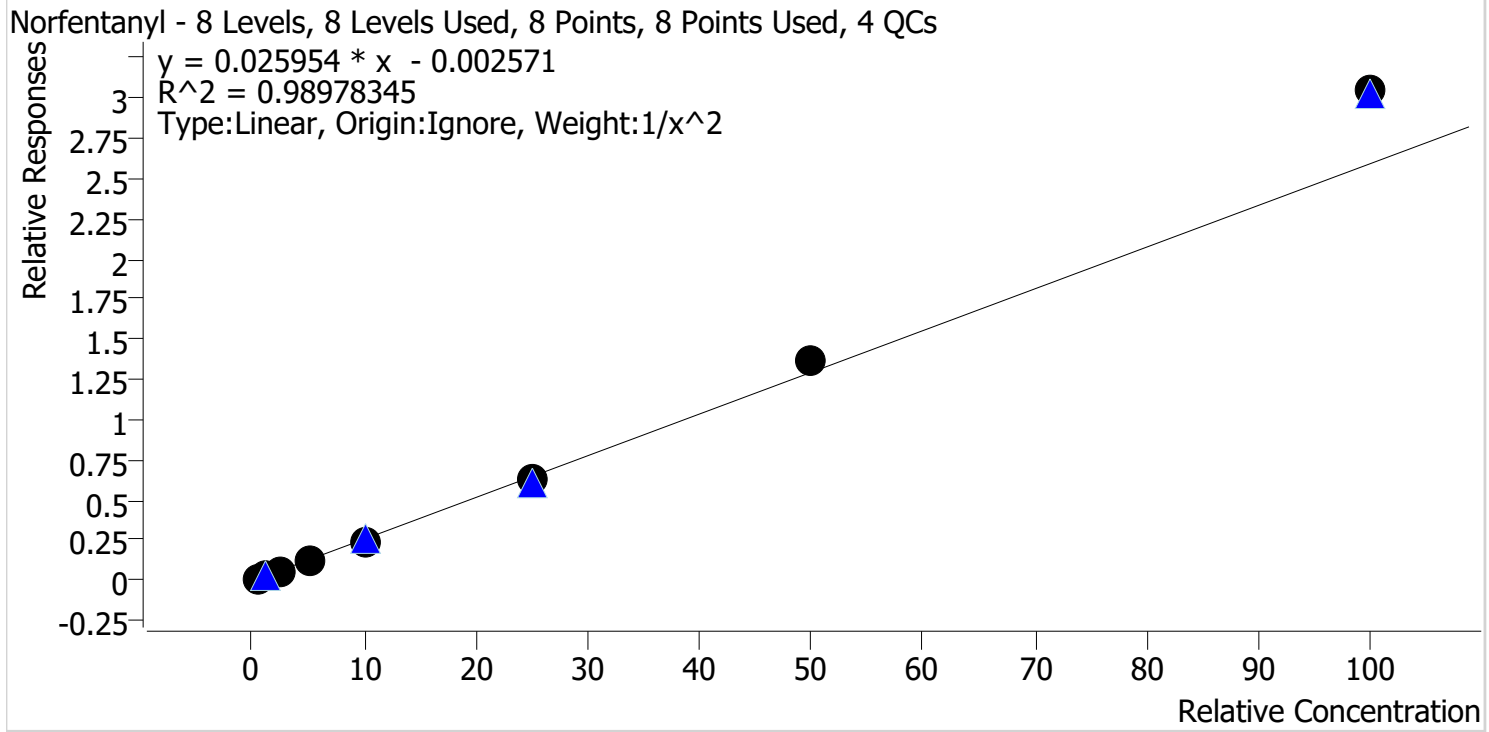
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	243.4	97.4
p1 Cal 7-500ng	7	✓	500.0	491.7	98.3
p1 Cal 8-1000ng	8	✓	1000.0	1000.7	100.1

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



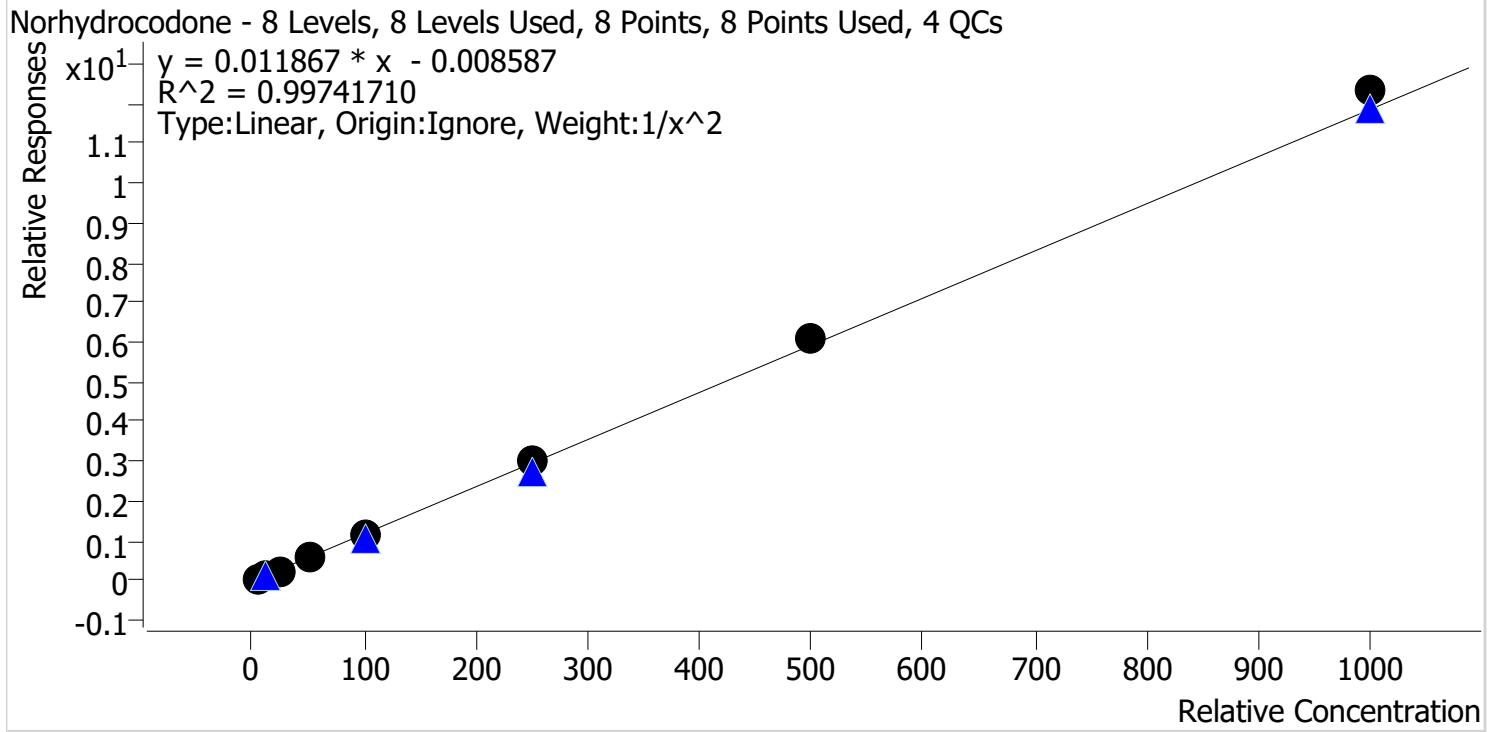
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.9
p1 Cal 2-10ng	2	✓	1.0	1.0	97.4
p1 Cal 3 -25ng	3	✓	2.5	2.3	90.6
p1 Cal 4-50ng	4	✓	5.0	4.8	95.4
p1 Cal 5-100ng	5	✓	10.0	9.2	92.5
p1 Cal 6-250ng	6	✓	25.0	24.1	96.6
p1 Cal 7-500ng	7	✓	50.0	53.0	106.1
p1 Cal 8-1000ng	8	✓	100.0	117.5	117.5

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



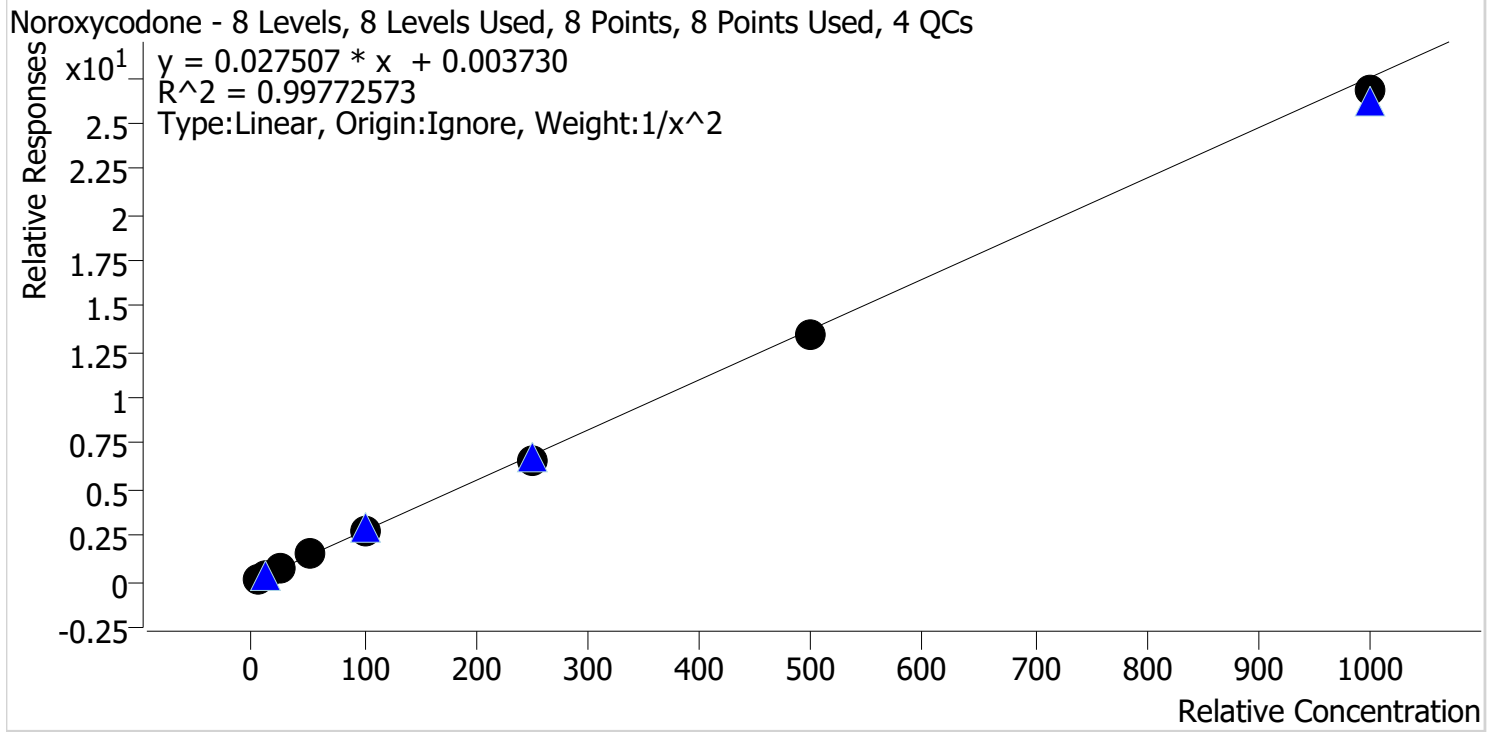
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.5	104.5
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.4
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	94.7	94.7
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	517.0	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1040.0	104.0

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



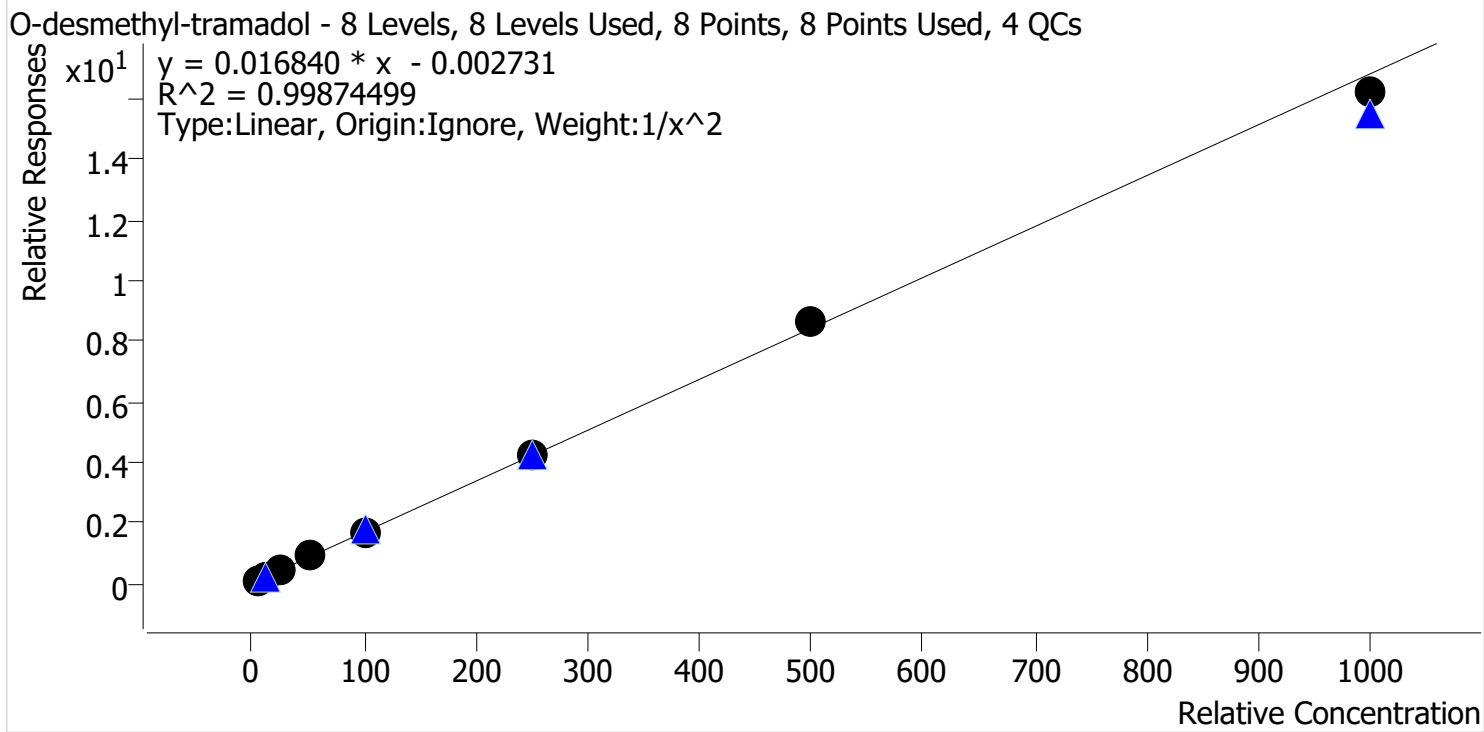
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	54.5	109.0
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	240.8	96.3
p1 Cal 7-500ng	7	✓	500.0	487.4	97.5
p1 Cal 8-1000ng	8	✓	1000.0	973.9	97.4

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	515.8	103.2
p1 Cal 8-1000ng	8	✓	1000.0	963.8	96.4

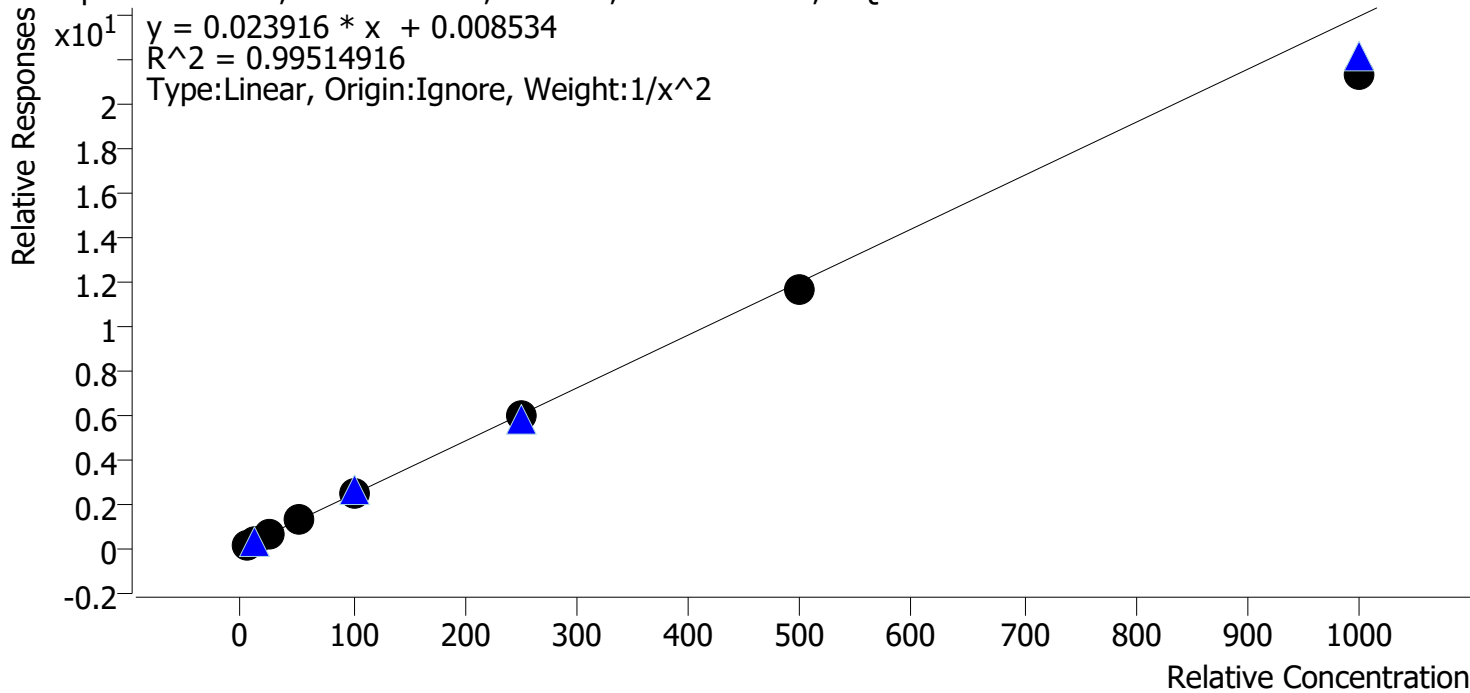
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Oxazepam Internal Standard Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	55.3	110.6
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	488.3	97.7
p1 Cal 8-1000ng	8	✓	1000.0	892.0	89.2

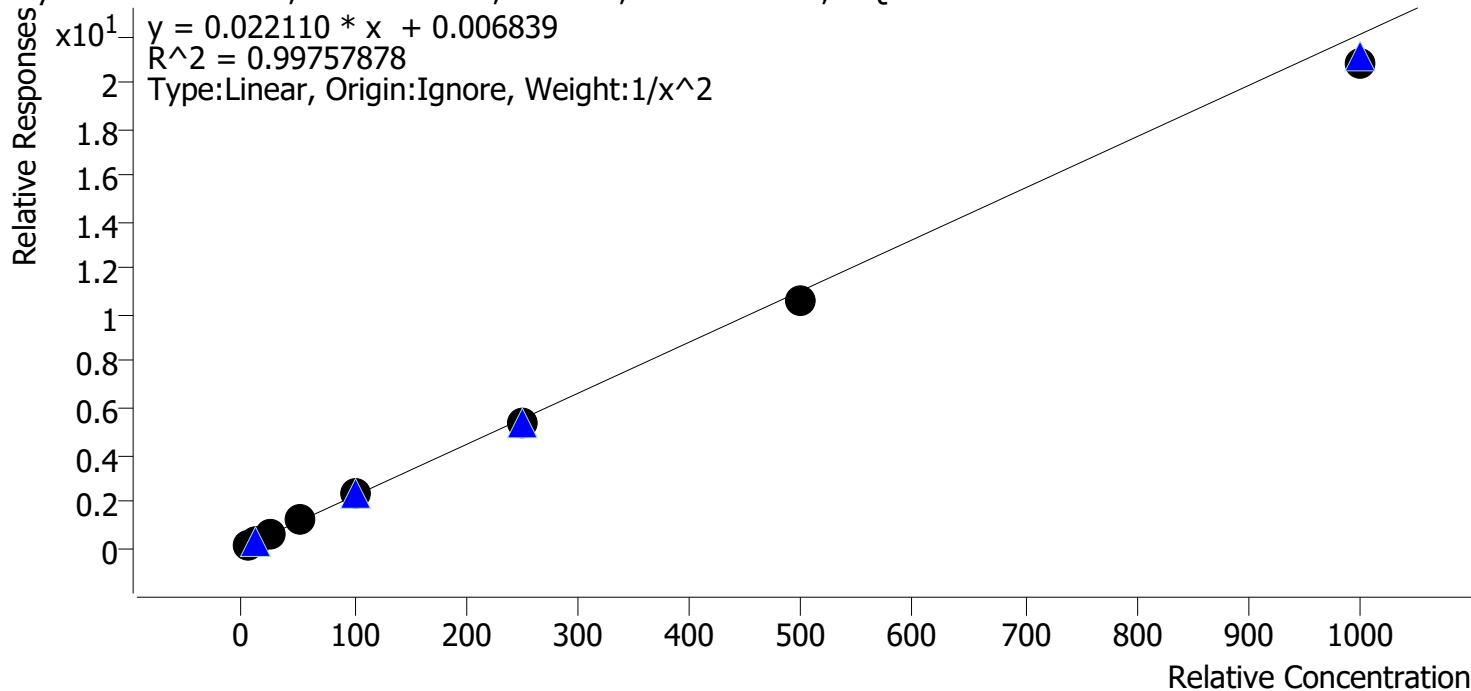
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	245.0	98.0
p1 Cal 7-500ng	7	✓	500.0	484.1	96.8
p1 Cal 8-1000ng	8	✓	1000.0	944.0	94.4

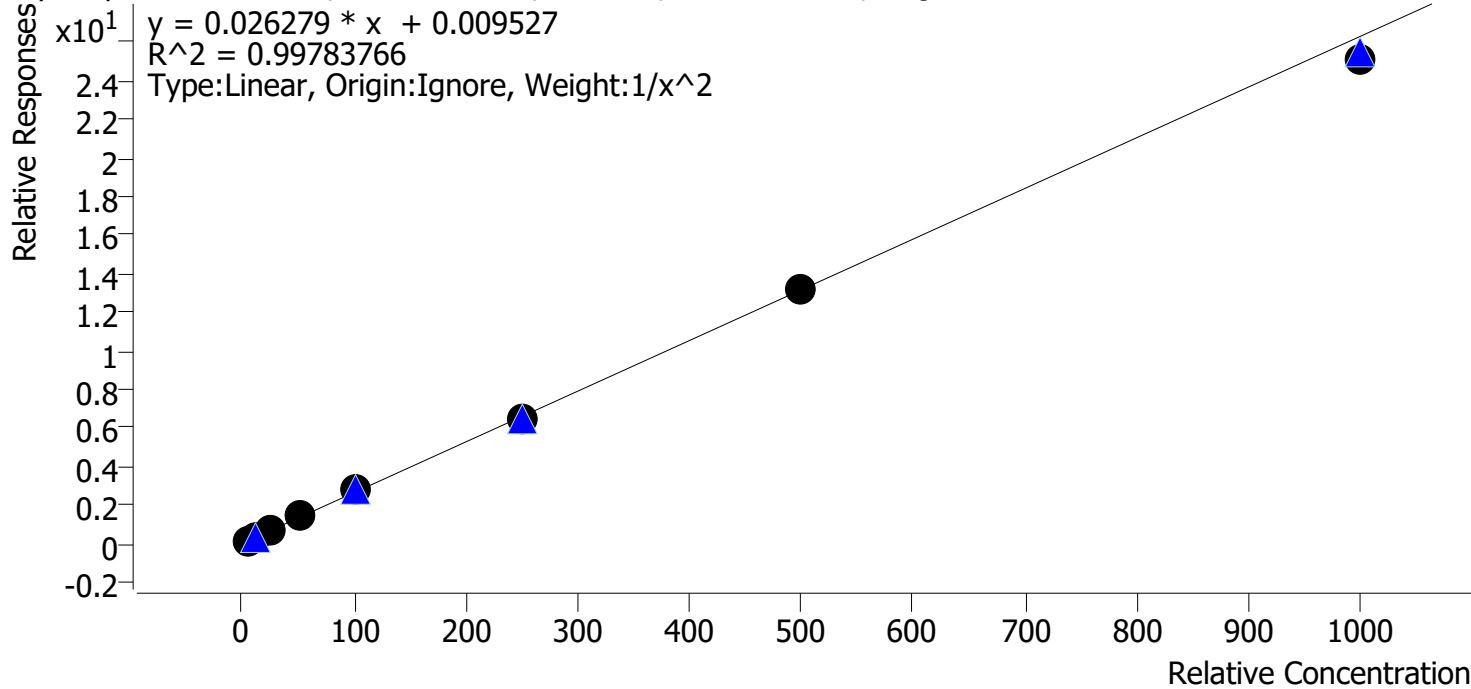
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



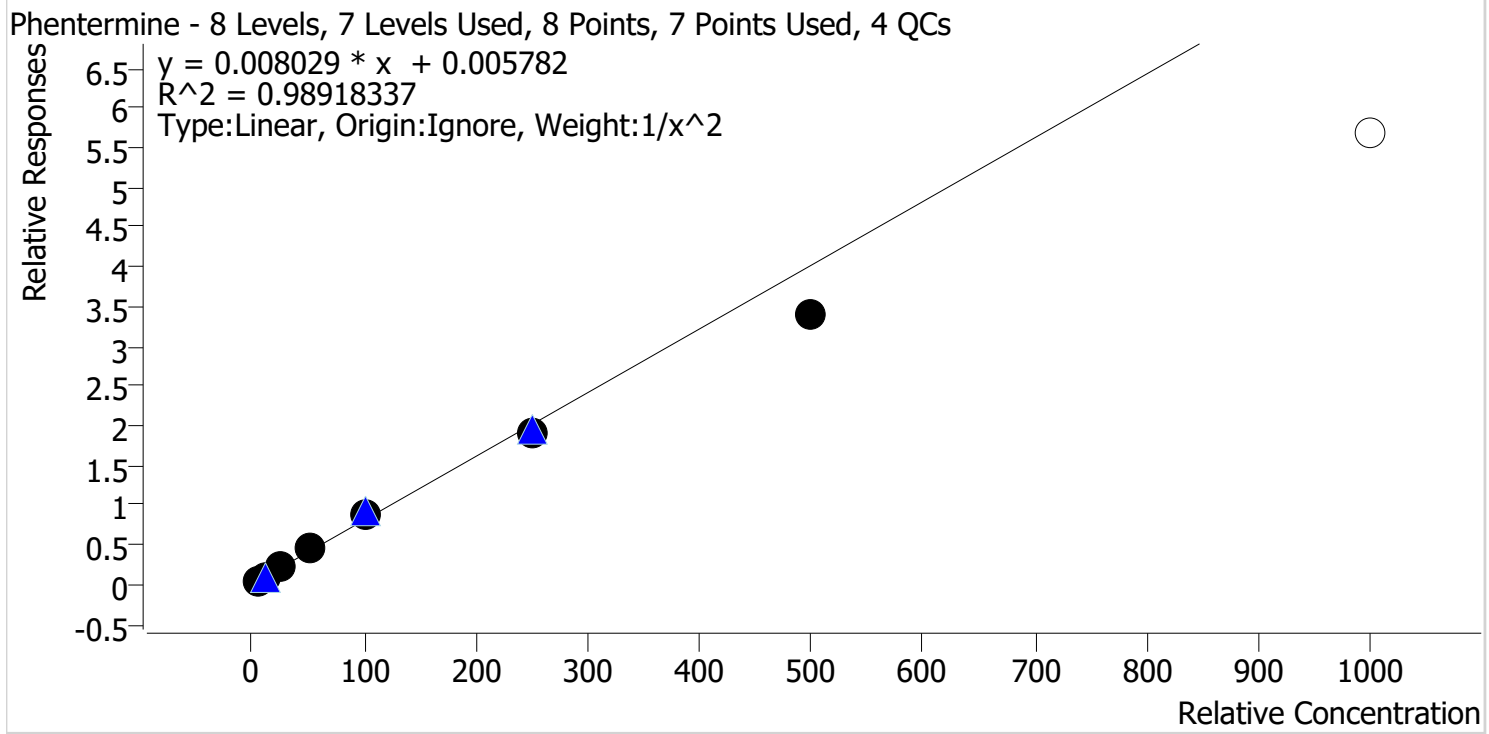
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	242.4	97.0
p1 Cal 7-500ng	7	✓	500.0	501.1	100.2
p1 Cal 8-1000ng	8	✓	1000.0	956.7	95.7

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datator
Analyte Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	56.3	112.5
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	236.3	94.5
p1 Cal 7-500ng	7	✓	500.0	425.1	85.0
p1 Cal 8-1000ng	8	x	1000.0	707.5	70.7

Calibrator 8 dropped due to not meeting accuracy requirement

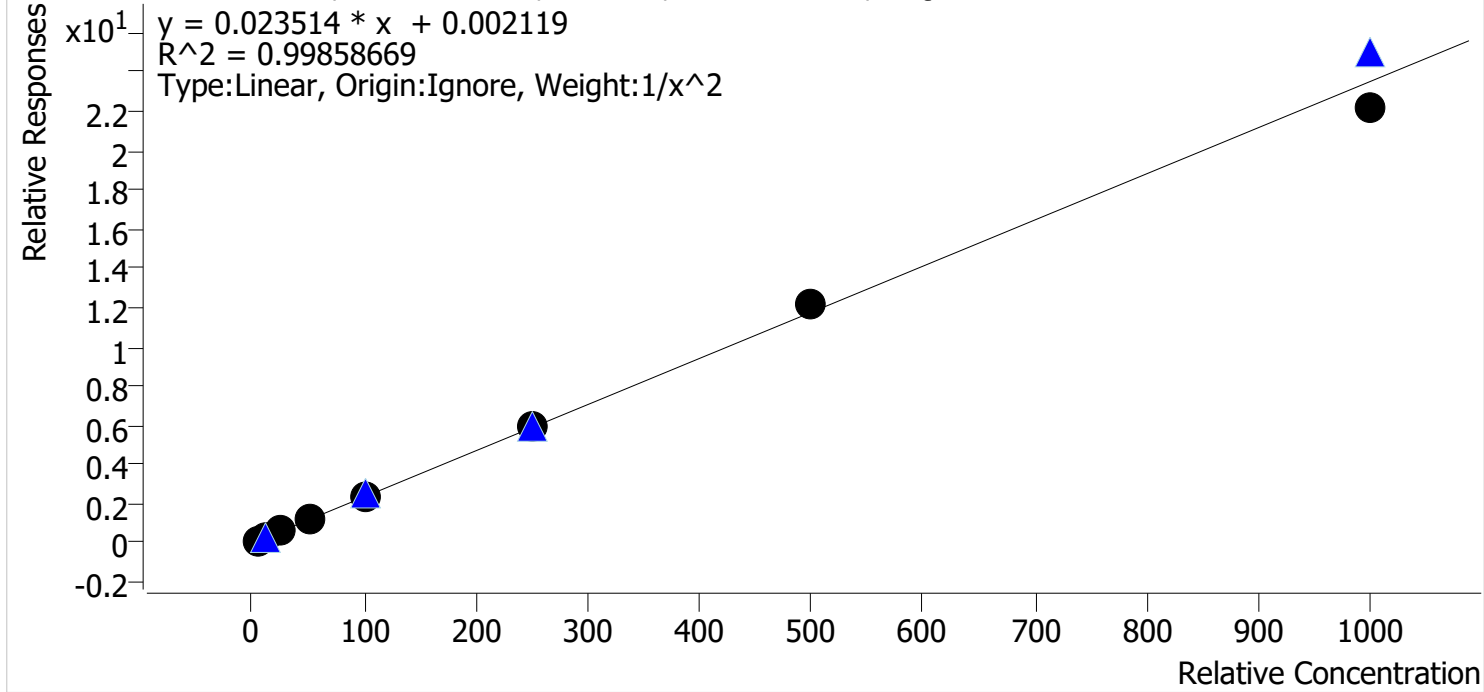
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



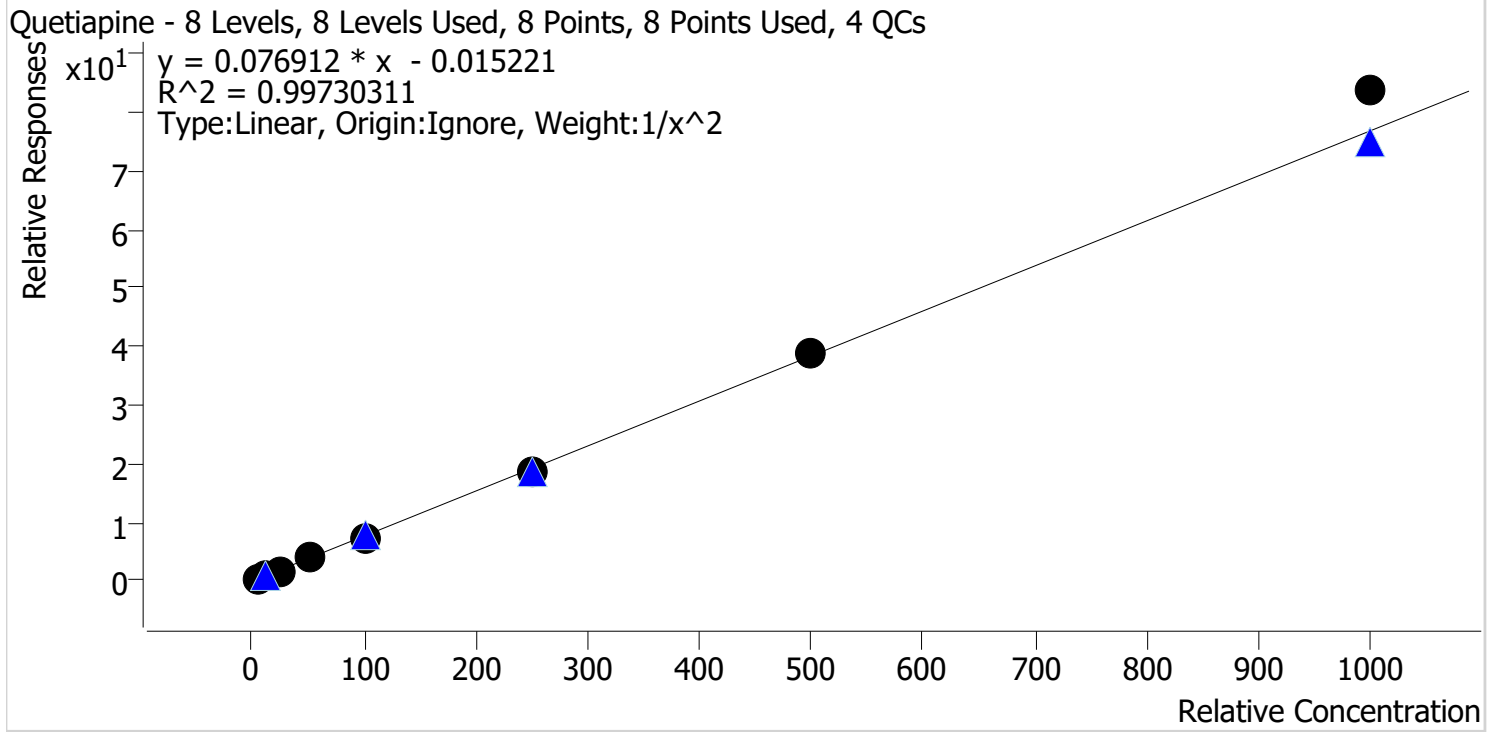
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	255.1	102.1
p1 Cal 7-500ng	7	✓	500.0	516.4	103.3
p1 Cal 8-1000ng	8	✓	1000.0	944.0	94.4

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8



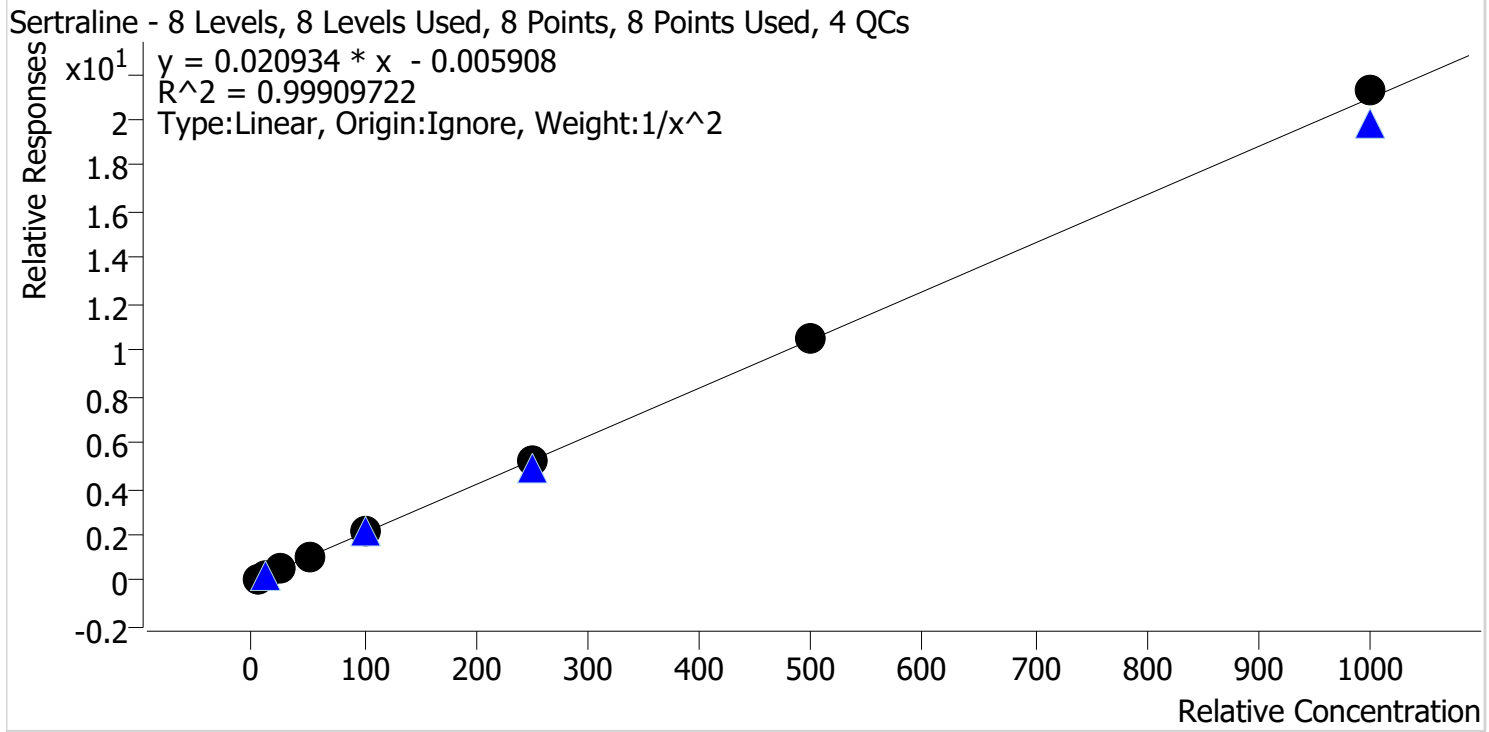
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	505.8	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1089.5	108.9

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 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	100.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	506.2	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1015.8	101.6

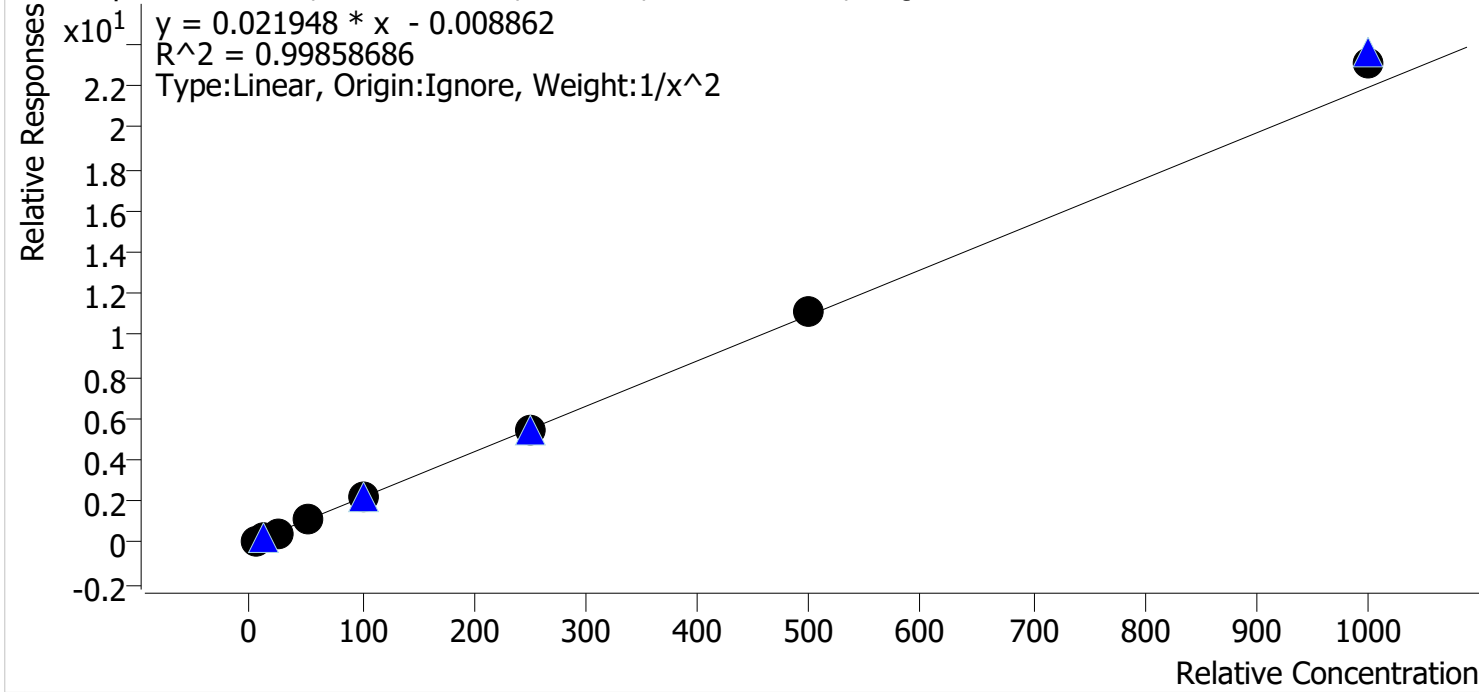
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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



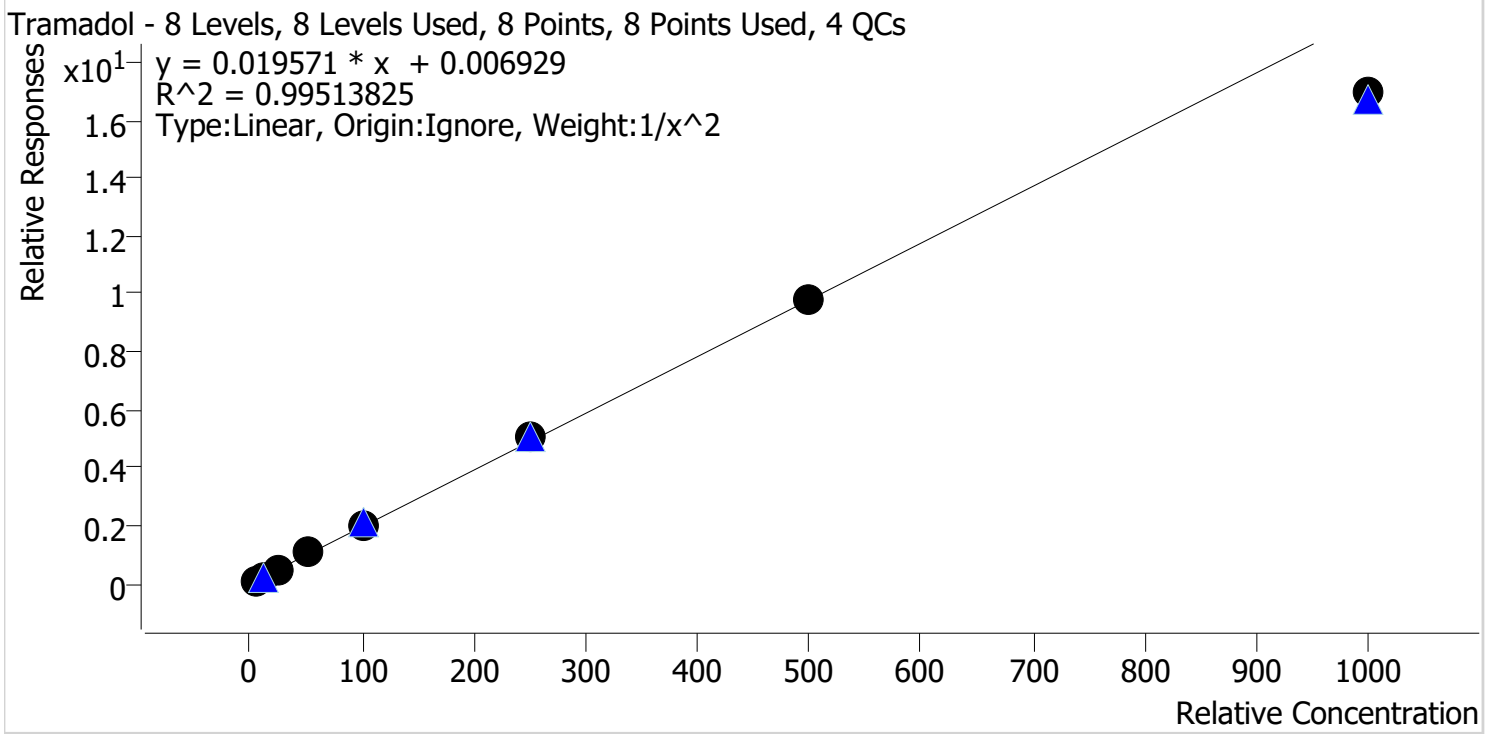
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	509.4	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1054.8	105.5

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



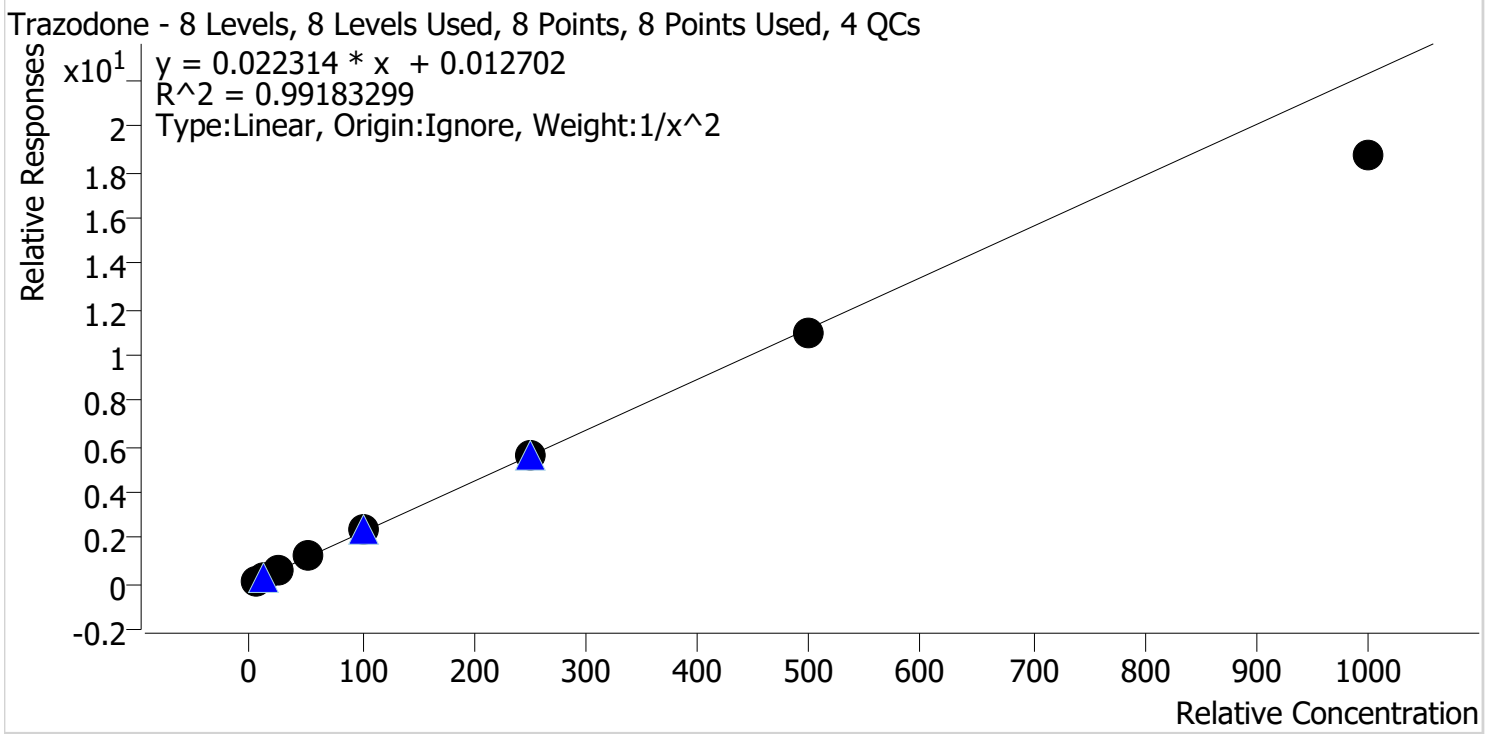
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	259.8	103.9
p1 Cal 7-500ng	7	✓	500.0	502.3	100.5
p1 Cal 8-1000ng	8	✓	1000.0	865.3	86.5

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



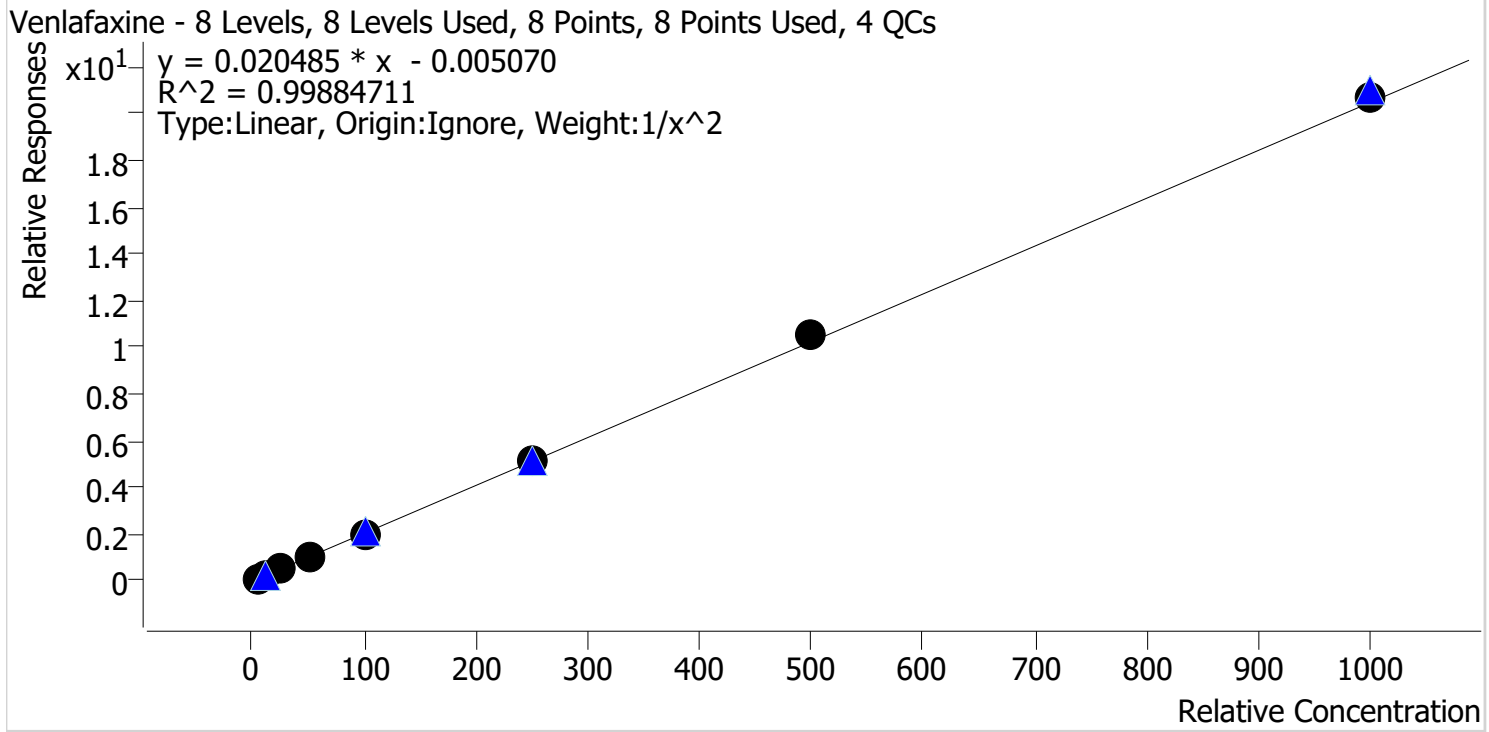
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	55.7	111.5
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	254.4	101.7
p1 Cal 7-500ng	7	✓	500.0	491.2	98.2
p1 Cal 8-1000ng	8	✓	1000.0	839.6	84.0

SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.6
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	516.3	103.3
p1 Cal 8-1000ng	8	✓	1000.0	1011.5	101.1

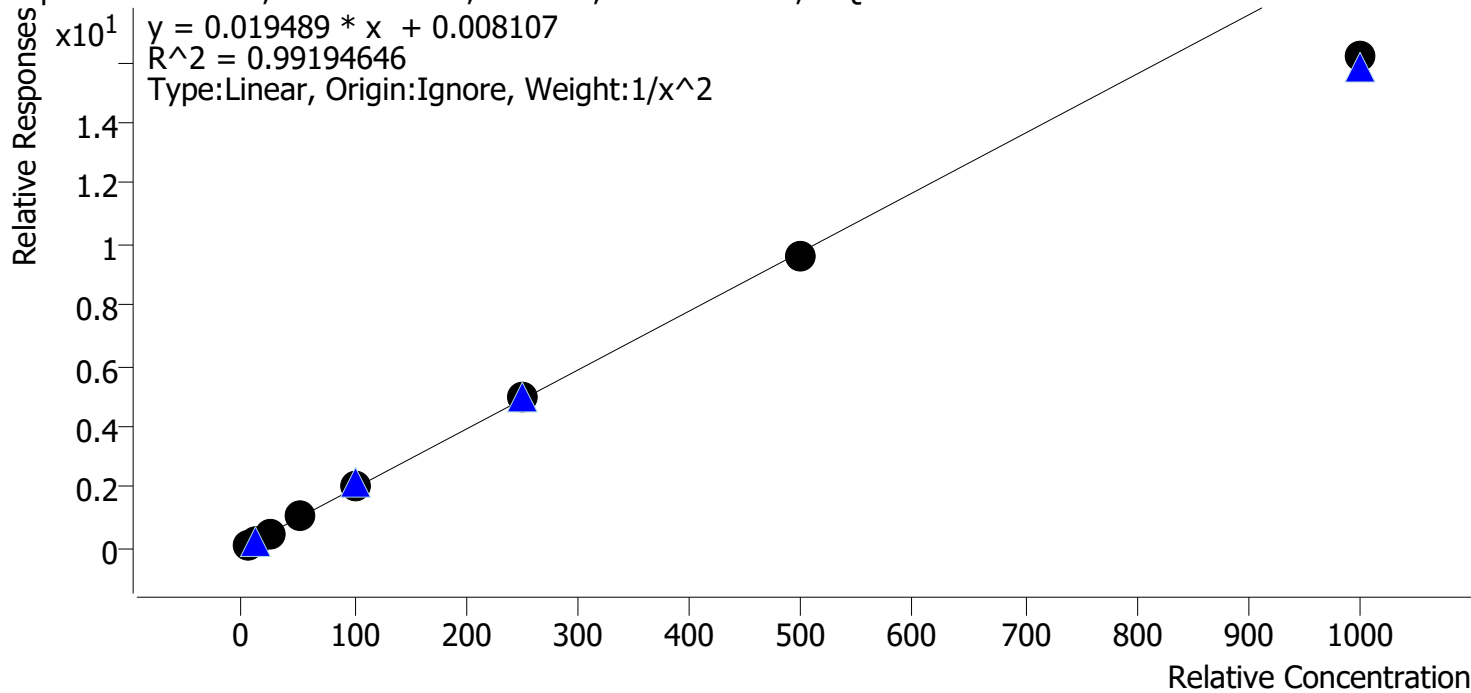
SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 4/1/2021 11:54 AM
Analyst Name ISP\Datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	494.5	98.9
p1 Cal 8-1000ng	8	✓	1000.0	829.8	83.0

AM #28 Multi-Drug Quant. Results

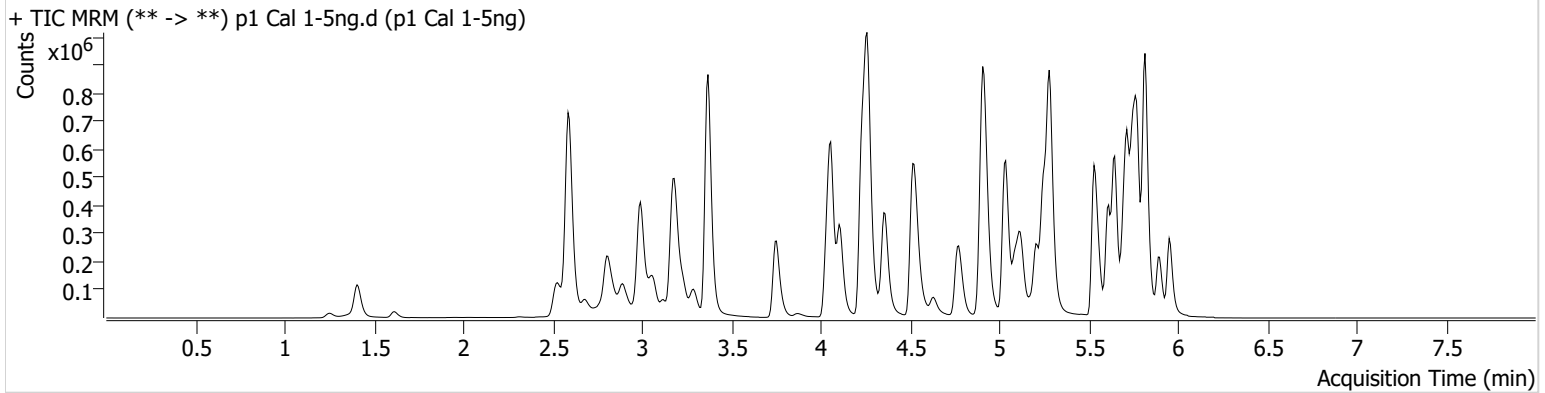
SC



Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 4/1/2021 11:54:08 AM

Instrument	Instrument 1	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-H12	Comment	
Injection Volume	2		
Acq. Date-Time	3/31/2021 5:54:08 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	1995	101.11	81.6	7576.84	108010	0.5043 ng/ml
7-aminoclonazepam	4.278	52533	80.87	79.6	7167.57	384470	5.0543 ng/ml
a-hydroxyalprazolam	5.699	24530	349.32	59.2	157.68	613193	4.7494 ng/ml
alpha-PHP	4.930	23450	91.14	262.8	2477.06	834249	4.8819 ng/ml
alpha-PVP	4.370	94775	9381.84	53.1	135.28	834249	5.0412 ng/ml
Alprazolam	5.775	81925	411.07	115.2	498.72	613193	5.0981 ng/ml
Amphetamine	3.069	167367	1137.35	50.3	795.69	353195	4.7790 ng/ml
Benzoylecgonine	3.899	3766	107.92	7.4	46.40	24633	5.1648 ng/ml
Buprenorphine	5.880	1926	115.73	13.1	934.34	113480	0.5401 ng/ml
Bupropion	4.788	85937	837.02	61.3	198.53	622616	4.9987 ng/ml
Carisoprodol	5.724	84248	2639.81	52.7	189.41	842142	5.1866 ng/ml
Citalopram	5.212	57823	569.97	43.1	219.10	520129	5.1238 ng/ml
Clonazepam	5.612	96641	168.63	31.7	223.08	222528	4.9203 ng/ml
Clonazepam	5.548	66475	7087.49	36.6	21183.94	222528	4.8755 ng/ml
Cocaine	4.264	80634	5576.11	52.0	2479.87	1488017	5.0866 ng/ml
Codeine	2.580	10243	248.18	107.6	181.70	105279	4.7992 ng/ml
Cyclobenzaprine	5.615	52485	61688.69	8.6	84.35	427952	5.0896 ng/ml
Dextromethorphan	5.255	32352	442.42	77.8	2295.35	304301	5.0081 ng/ml
Dextrophan	4.111	25933	151.79	212.8	320.18	629581	4.9929 ng/ml
Diazepam	5.960	51710	1282.41	87.5	527.02	479861	4.9228 ng/ml
Dihydrocodeine	2.559	26835	417.81	62.4	1738.94	307128	4.8779 ng/ml
Diphenhydramine	5.282	143870	502.26	32.5	∞	1708511	5.0827 ng/ml
Doxylamine	4.536	174329	1927.34	98.5	1602.57	1532998	4.9852 ng/ml
EDDP	5.248	73220	1658.27	42.4	260.55	723272	5.1090 ng/ml
Etizolam	5.813	47953	120214.72	24.1	16954.22	222528	5.1889 ng/ml
Fentanyl	5.103	5089	167.45	73.6	16008.85	473439	0.5058 ng/ml
Flualprazolam	5.705	40965	1041.51	93.3	1963.66	613193	4.9848 ng/ml
Fluoxetine	5.700	59732	1090.35	8.9	218.88	472810	4.9998 ng/ml
Hydrocodone	3.018	41119	107.69	36.9	92.87	925523	4.8893 ng/ml
Hydromorphone	1.615	35764	321633.68	76.3	5416.14	12160	4.8770 ng/ml
Ketamine	4.051	78326	3875.97	37.5	1000.58	719575	4.9651 ng/ml
Lamotrigine	4.280	9159	498.69	78.0	2079.59	719575	4.8317 ng/ml
Levetiracetam	2.683	39965	524.40	164.5	703.30	1868634	5.1272 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	90159	304.70	55.6	133.72	222528	4.8502 ng/ml
MDA	3.203	122019	270.14	24.4	112.34	626933	4.8577 ng/ml
MDMA	3.296	66648	110617.75	78.0	764.66	130689	5.0263 ng/ml
Meprobamate	4.924	50998	4691.44	28.8	121.87	448934	4.6363 ng/ml
Methadone	5.646	110276	4527.20	45.7	154.34	975256	5.0566 ng/ml
Methamphetamine	3.238	126698	804.01	37.8	760.33	840838	4.8061 ng/ml
Metoprolol	4.326	17835	6381.65	90.8	531.82	1593653	5.0535 ng/ml
Mirtazapine	4.631	95179	6198.02	48.1	470.19	834249	5.3732 ng/ml
Mitragynine	5.237	20232	38079.51	38.7	1931.34	975256	4.9568 ng/ml
Morphine	1.261	5085	931.80	32.2	17707.50	12160	4.9617 ng/ml
Norbuprenorphine	4.986	208	166.19	121.9	781.88	18736	0.4988 ng/ml
Nordiazepam	5.900	53351	634.87	58.3	2144.98	353228	5.0236 ng/ml
Norfentanyl	4.079	12428	67.08	40.4	47.14	1138609	0.5196 ng/ml
Norhydrocodone	3.066	6225	59.97	45.1	35.33	123438	4.9729 ng/ml
Noroxycodone	2.909	43790	225.09	43.0	412.93	311820	4.9698 ng/ml
O-desmethyl-tramadol	3.376	168152	4236.48	6.8	257.09	2031264	5.0781 ng/ml
Oxazepam	5.756	105716	180.64	76.3	315.16	834133	4.9424 ng/ml
Oxycodone	2.834	85916	1090.43	26.8	1250.02	739221	4.9474 ng/ml
Oxymorphone	1.412	44260	472.66	42.2	388.68	316932	4.9516 ng/ml
Phentermine	3.783	33615	190.14	4.6	18.85	745588	4.8949 ng/ml
Promethazine	5.532	110372	1308.28	26.4	131.32	909726	5.0695 ng/ml
Pseudoephedrine	2.603	195908	3030.98	16.6	1517.10	1868634	5.1327 ng/ml
Quetiapine	5.555	78123	1574.84	58.7	40566.44	206969	5.1056 ng/ml
Sertraline	5.776	29664	407.45	101.3	353.58	297404	5.0469 ng/ml
Temazepam	5.823	164251	1692.27	28.5	63.12	1604032	5.0692 ng/ml
Tramadol	4.246	166002	238.60	3.5	36.19	1593653	4.9683 ng/ml
Trazodone	5.176	76503	186784.53	79.0	3325.79	624009	4.9252 ng/ml
Venlafaxine	5.037	128980	4402.37	39.4	80.10	1298996	5.0946 ng/ml
Zolpidem	4.935	195998	13487.11	32.3	2530.90	1890074	4.9048 ng/ml

AM #28 Multi-Drug Quant. Results

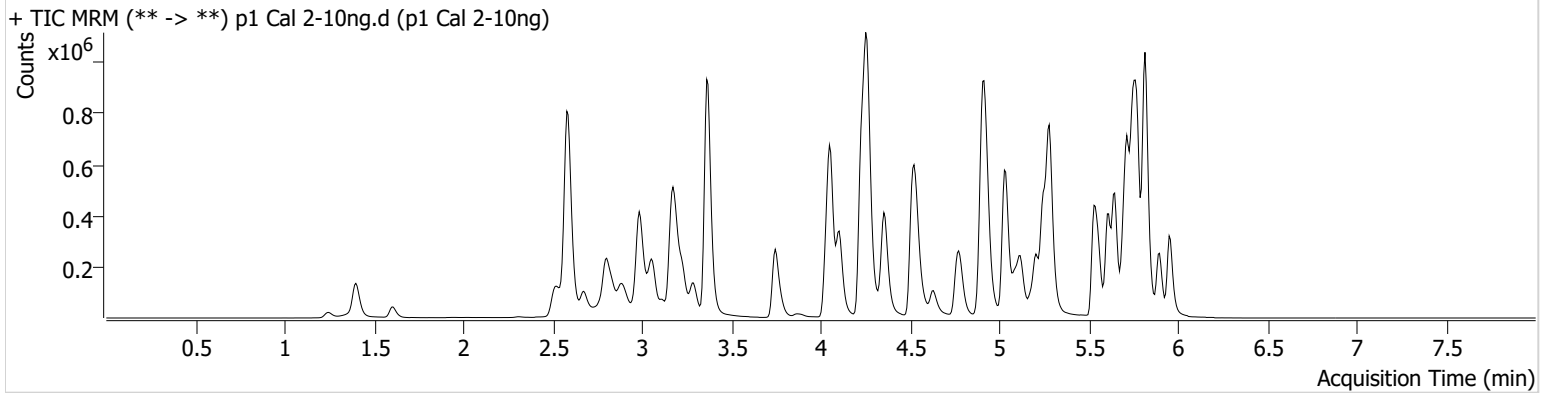
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Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 4/1/2021 11:54:08 AM

Instrument	Instrument 1	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-G12	Comment	
Injection Volume	2		
Acq. Date-Time	3/31/2021 6:04:55 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	4041	295.47	72.7	499.45	108512	0.9866 ng/ml
7-aminoclonazepam	4.271	104387	3630.52	81.5	85475.55	390011	9.8424 ng/ml
a-hydroxyalprazolam	5.699	50972	1170.40	55.9	253.54	612461	10.6275 ng/ml
alpha-PHP	4.930	41844	452.57	261.0	725.35	793218	10.0873 ng/ml
alpha-PVP	4.363	180869	313.87	52.7	2028.85	793218	9.9845 ng/ml
Alprazolam	5.775	160155	5570.58	114.6	506.85	612461	9.7850 ng/ml
Amphetamine	3.063	318643	2758.60	49.7	457.19	347977	10.3448 ng/ml
Benzoylecgonine	3.892	7041	190.99	8.9	16.12	24978	9.6515 ng/ml
Buprenorphine	5.873	2484	25.24	16.5	454.28	89376	0.8866 ng/ml
Bupropion	4.788	155890	3556.92	60.3	522.13	558712	10.0591 ng/ml
Carisoprodol	5.724	160093	879437.78	55.3	1291.00	826404	9.5312 ng/ml
Citalopram	5.205	87730	111.80	43.1	284.51	407463	9.7012 ng/ml
Clonazepam	5.612	185890	3952.26	32.8	2130.90	224971	9.9798 ng/ml
Clonazepam	5.548	130487	1782.35	37.2	104852.09	224971	10.1102 ng/ml
Cocaine	4.257	156157	354835.00	51.5	596.12	1475782	9.8137 ng/ml
Codeine	2.573	21170	1309.73	103.3	97520.34	107303	10.3409 ng/ml
Cyclobenzaprine	5.615	75183	12451.82	8.9	215.48	304696	9.9562 ng/ml
Dextromethorphan	5.255	47122	1316.40	78.9	554.95	219578	10.1229 ng/ml
Dextrophan	4.105	49701	1845.51	201.4	1866.69	576715	10.2405 ng/ml
Diazepam	5.960	106758	2553.78	85.9	2837.01	480321	10.2963 ng/ml
Dihydrocodeine	2.545	52137	297641.61	65.7	6291.98	306347	10.1188 ng/ml
Diphenhydramine	5.282	219731	5041.83	32.8	1464.41	1309224	9.8752 ng/ml
Doxylamine	4.536	335809	8956.03	97.9	190.16	1489343	9.9711 ng/ml
EDDP	5.248	124230	833.43	41.5	175281.02	645394	9.6891 ng/ml
Etizolam	5.813	94645	171713.53	24.1	40501.18	224971	9.7305 ng/ml
Fentanyl	5.103	7213	102.79	73.0	9513.82	341010	0.9909 ng/ml
Flualprazolam	5.705	79623	923.33	96.6	1475.38	612461	9.9312 ng/ml
Fluoxetine	5.700	84372	2652.23	8.7	1041.97	342801	9.9880 ng/ml
Hydrocodone	3.018	79093	113.04	38.2	123.85	937052	9.9662 ng/ml
Hydromorphone	1.608	70287	1004.90	76.3	1928.37	11765	10.3149 ng/ml
Ketamine	4.051	150148	13108.75	38.1	111.70	714237	10.0291 ng/ml
Lamotrigine	4.273	17140	508.59	79.3	351.21	714237	10.2639 ng/ml
Levetiracetam	2.676	78076	611.84	160.1	2436.24	1876106	9.7409 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	177629	3723.86	54.9	213.31	224971	10.3726 ng/ml
MDA	3.203	214443	1287.95	24.6	245.77	576861	10.1453 ng/ml
MDMA	3.290	122095	5105.07	80.0	1615.30	120570	9.9043 ng/ml
Meprobamate	4.917	97061	81085.84	28.2	129.12	445500	9.9203 ng/ml
Methadone	5.646	158911	1689.25	43.9	301.90	710298	9.9691 ng/ml
Methamphetamine	3.231	244177	565.38	37.8	1426.40	869735	10.2412 ng/ml
Metoprolol	4.319	33712	1701.76	89.7	853.29	1621190	9.6561 ng/ml
Mirtazapine	4.631	150352	2148.13	48.9	899.58	793218	8.9197 ng/ml
Mitragynine	5.237	27871	44106.86	42.1	43.62	710298	9.8887 ng/ml
Morphine	1.253	10043	1220.89	30.4	205.76	11765	10.1568 ng/ml
Norbuprenorphine	4.986	312	299.33	113.0	1980.31	14544	0.9920 ng/ml
Nordiazepam	5.900	105038	649.76	58.2	494.05	355499	9.9032 ng/ml
Norfentanyl	4.079	26332	279.43	34.6	55.50	1159100	0.9743 ng/ml
Norhydrocodone	3.059	13718	128.47	41.4	47.36	118827	10.4514 ng/ml
Noroxycodone	2.909	87626	895.36	43.4	349.15	313139	10.0374 ng/ml
O-desmethyl-tramadol	3.369	335094	9401.98	6.8	352.97	2065132	9.7980 ng/ml
Oxazepam	5.756	210535	2712.88	71.9	490.09	850786	9.9901 ng/ml
Oxycodone	2.834	171064	1045.37	26.5	519.08	746880	10.0498 ng/ml
Oxymorphone	1.405	88884	851.40	41.9	817.98	319253	10.2319 ng/ml
Phentermine	3.783	61673	275.61	5.4	55.03	714438	10.0310 ng/ml
Promethazine	5.532	146740	5787.48	27.8	279.70	633856	9.7551 ng/ml
Pseudoephedrine	2.596	387861	674.96	16.7	3321.12	1876106	9.7470 ng/ml
Quetiapine	5.555	124004	253.44	59.4	669.66	167638	9.8156 ng/ml
Sertraline	5.776	44082	158.50	97.4	184.71	216312	10.0173 ng/ml
Temazepam	5.823	331106	2272.88	29.1	358.91	1583107	9.9329 ng/ml
Tramadol	4.239	326441	892.49	3.6	97.45	1621190	9.9345 ng/ml
Trazodone	5.176	115183	1655.80	80.8	281.01	486681	10.0373 ng/ml
Venlafaxine	5.037	236739	599.33	40.0	1418.93	1203861	9.8472 ng/ml
Zolpidem	4.935	383108	2453.93	32.2	2806.55	1874448	10.0710 ng/ml

AM #28 Multi-Drug Quant. Results

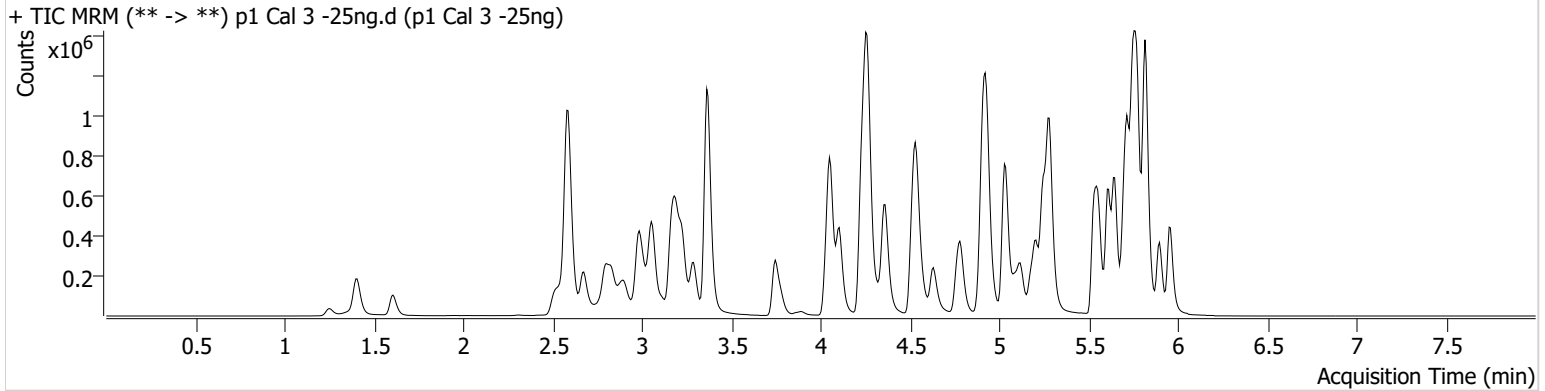
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Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 4/1/2021 11:54:08 AM

Instrument	Instrument 1	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-F12	Comment	
Injection Volume	2		
Acq. Date-Time	3/31/2021 6:15:32 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	10455	355.96	68.6	490.42	109437	2.4849 ng/ml
7-aminoclonazepam	4.271	258956	15296.75	77.1	5621.84	388375	24.4287 ng/ml
a-hydroxyalprazolam	5.699	120882	577.39	58.4	207.32	614589	26.0583 ng/ml
alpha-PHP	4.930	101417	4953.62	265.4	23653.49	804525	25.5715 ng/ml
alpha-PVP	4.363	438525	6300.61	52.7	397.92	804525	23.6829 ng/ml
Alprazolam	5.775	391722	688.34	116.0	843.08	614589	23.5600 ng/ml
Amphetamine	3.056	775371	7553.38	49.7	3007.15	349115	26.7873 ng/ml
Benzoylcegonine	3.892	16316	247.30	8.4	98.72	24400	23.1051 ng/ml
Buprenorphine	5.880	6119	90.97	15.3	1495.92	88462	2.2122 ng/ml
Bupropion	4.788	378864	282.78	60.2	2971.79	565915	24.0731 ng/ml
Carisoprodol	5.724	393911	381897.66	56.0	926.46	798949	23.4118 ng/ml
Citalopram	5.205	219066	304.04	44.7	31987.32	410702	23.6825 ng/ml
Clonazepam	5.612	459121	7107.19	31.7	2850.12	224261	25.7390 ng/ml
Clonazepam	5.549	315261	3739.92	37.0	295114.24	224261	25.4775 ng/ml
Cocaine	4.257	381694	790.31	50.4	16361.71	1480321	23.7347 ng/ml
Codeine	2.573	50878	∞	105.6	570.36	105364	26.1689 ng/ml
Cyclobenzaprine	5.615	187011	5866.18	9.0	127.53	322206	23.0404 ng/ml
Dextromethorphan	5.255	115030	614.71	81.3	2648.74	230225	23.5858 ng/ml
Dextrophan	4.105	116981	1387.25	205.7	1482.14	589581	23.3320 ng/ml
Diazepam	5.960	254724	2798.38	86.3	2296.33	487914	24.3655 ng/ml
Dihydrocodeine	2.545	130954	107.93	63.5	1409.74	312431	25.8739 ng/ml
Diphenhydramine	5.282	544046	760.24	33.8	740.46	1352582	23.3084 ng/ml
Doxylamine	4.536	821184	2770.26	98.8	243.74	1480299	24.6607 ng/ml
EDDP	5.248	318850	10341.71	42.4	360.34	662825	24.1724 ng/ml
Etizolam	5.813	224107	60038.22	25.2	81242.70	224261	22.5366 ng/ml
Fentanyl	5.103	18039	438.43	69.0	22252.81	352103	2.3936 ng/ml
Flualprazolam	5.705	197529	4867.72	93.3	53567.92	614589	24.9108 ng/ml
Fluoxetine	5.700	201591	620.19	9.1	1856.19	342647	24.2378 ng/ml
Hydrocodone	3.012	196283	356.71	37.1	585.68	933420	25.9511 ng/ml
Hydromorphone	1.608	173343	1005708.81	76.1	648366.11	12299	24.8722 ng/ml
Ketamine	4.051	367134	7463.37	38.2	1927.97	726992	24.7549 ng/ml
Lamotrigine	4.273	41479	467.25	78.6	726.62	726992	26.1975 ng/ml
Levetiracetam	2.676	190691	2337.44	164.4	2369.72	1862625	23.5997 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	426341	10863.98	55.7	536.88	224261	26.3410 ng/ml
MDA	3.196	531806	2371.22	25.0	367.61	586937	26.0973 ng/ml
MDMA	3.290	304132	3766.10	78.5	3044.11	121513	24.3652 ng/ml
Meprobamate	4.917	240057	440955.48	27.7	1058.18	445955	26.1579 ng/ml
Methadone	5.646	390656	3175.66	46.6	715.43	744167	23.3427 ng/ml
Methamphetamine	3.231	583692	493.89	38.5	7166.06	880148	26.2213 ng/ml
Metoprolol	4.319	83298	4317.84	90.2	459.28	1585178	24.8753 ng/ml
Mirtazapine	4.631	377912	2468.72	48.7	7071.00	804525	22.0889 ng/ml
Mitragynine	5.237	71635	597.27	40.4	473.28	744167	25.0972 ng/ml
Morphine	1.253	25109	5160.98	29.7	129.06	12299	24.3286 ng/ml
Norbuprenorphine	4.979	830	239.52	94.0	943.32	15279	2.5499 ng/ml
Nordiazepam	5.900	254822	941.33	58.2	1206.84	353461	24.2781 ng/ml
Norfentanyl	4.079	64106	322.89	33.3	84.13	1140765	2.2642 ng/ml
Norhydrocodone	3.060	31216	161.16	40.9	55.36	117489	23.1124 ng/ml
Noroxycodone	2.903	210454	1218.23	41.9	752.19	312051	24.3823 ng/ml
O-desmethyl-tramadol	3.369	825303	1164.29	6.9	2592.95	2073204	23.8018 ng/ml
Oxazepam	5.756	497897	415.12	73.2	2733.99	820685	25.0103 ng/ml
Oxycodone	2.827	414900	1097.96	27.0	859.36	745249	24.8709 ng/ml
Oxymorphone	1.405	208331	406.99	42.5	482.61	327937	23.8116 ng/ml
Phentermine	3.783	154927	847.86	4.8	155.28	728148	25.7791 ng/ml
Promethazine	5.532	378320	32037.09	27.9	2003.01	660614	24.2645 ng/ml
Pseudoephedrine	2.589	943034	4734.64	16.6	8868.72	1862625	23.3119 ng/ml
Quetiapine	5.555	316236	3274.30	58.2	306.59	175738	23.5946 ng/ml
Sertraline	5.776	107099	323.60	102.2	686.60	220951	23.4373 ng/ml
Temazepam	5.823	798370	16487.07	28.1	1188.23	1565919	23.6329 ng/ml
Tramadol	4.239	790046	61067.58	3.7	143.97	1585178	25.1116 ng/ml
Trazodone	5.176	293233	22505.45	81.3	1716.67	515907	24.9033 ng/ml
Venlafaxine	5.037	573194	12074.66	39.6	1245.54	1208638	23.3986 ng/ml
Zolpidem	4.935	957570	16786.86	31.2	349.06	1899938	25.4442 ng/ml

AM #28 Multi-Drug Quant. Results

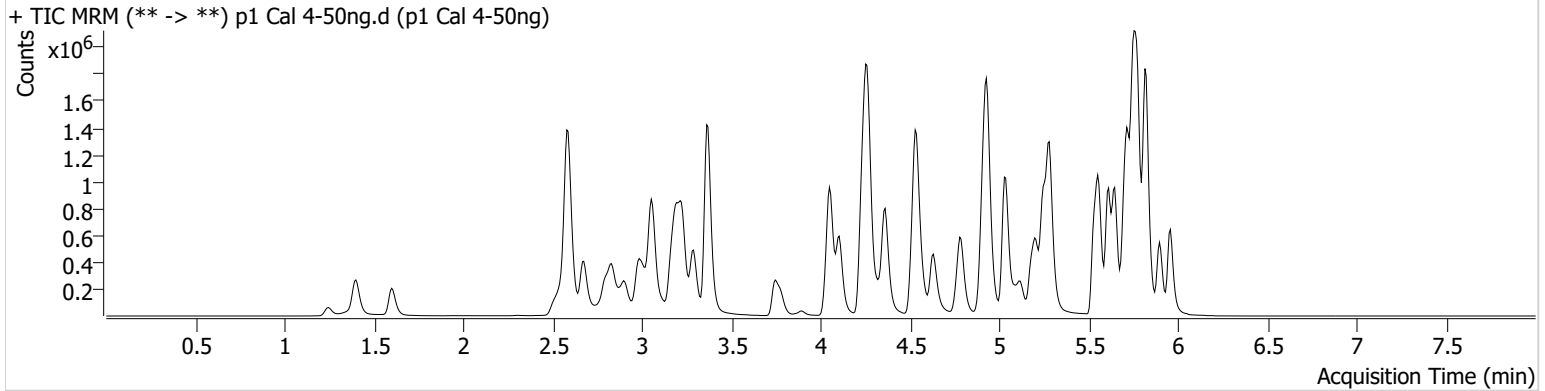
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Instrument	Instrument 1	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-E12	Comment	
Injection Volume	2		
Acq. Date-Time	3/31/2021 6:26:09 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	20320	450.05	71.1	755.90	104433	5.0305 ng/ml
7-aminoclonazepam	4.271	498950	27505.00	83.1	185252.71	359018	50.8515 ng/ml
a-hydroxyalprazolam	5.699	237447	3972.29	57.4	57508.74	557957	57.1856 ng/ml
alpha-PHP	4.930	197501	8637.01	267.6	5135.29	737132	55.5392 ng/ml
alpha-PVP	4.363	882220	1486.52	52.6	1637.33	737132	51.8419 ng/ml
Alprazolam	5.775	771387	2869.92	115.8	1436.76	557957	50.8677 ng/ml
Amphetamine	3.056	1539585	33731.51	49.2	3024.90	336323	56.4755 ng/ml
Benzoylecgonine	3.892	33322	∞	7.5	141.19	22971	50.3009 ng/ml
Buprenorphine	5.880	11746	436.98	16.7	2804.49	76034	4.9448 ng/ml
Bupropion	4.788	765338	959.80	60.6	877.66	526385	52.2292 ng/ml
Carisoprodol	5.724	757459	565.81	55.1	16364.52	702263	50.5672 ng/ml
Citalopram	5.205	422943	794.32	44.0	1313.71	367734	50.7907 ng/ml
Clonazepam	5.612	896714	904.51	32.2	33576.42	205216	55.7137 ng/ml
Clonazepam	5.548	623992	6822.62	37.6	4348.36	205216	55.9025 ng/ml
Cocaine	4.257	759428	12836.38	50.7	1886.43	1354492	51.4637 ng/ml
Codeine	2.566	102447	150.75	103.6	254.09	97707	57.5171 ng/ml
Cyclobenzaprine	5.615	350459	826.10	8.9	236.76	274867	50.2785 ng/ml
Dextromethorphan	5.255	225543	5524.73	80.3	227.73	204762	52.0122 ng/ml
Dextrophan	4.105	244542	925.79	203.2	1144.85	552135	51.8501 ng/ml
Diazepam	5.960	502828	423.31	87.4	499.95	445336	52.8524 ng/ml
Dihydrocodeine	2.545	261100	1587.12	63.3	663.92	294138	55.5246 ng/ml
Diphenhydramine	5.282	1079172	2290.34	33.6	113584.21	1217589	51.0517 ng/ml
Doxylamine	4.536	1665676	1192.06	99.7	39379.10	1410247	52.6056 ng/ml
EDDP	5.248	625517	3856.16	43.0	406.94	623501	50.3817 ng/ml
Etizolam	5.813	439826	9134.38	26.0	126575.54	205216	47.8542 ng/ml
Fentanyl	5.103	33475	630.14	73.3	32428.52	310484	5.0323 ng/ml
Flualprazolam	5.705	375405	12493.54	97.9	44176.51	557957	52.4148 ng/ml
Fluoxetine	5.700	366629	14237.86	9.1	6239.47	286765	52.9766 ng/ml
Hydrocodone	3.012	391081	∞	37.2	383.02	858641	57.0864 ng/ml
Hydromorphone	1.601	348770	6348.07	75.2	950445.30	11317	54.8580 ng/ml
Ketamine	4.051	732484	1085.50	38.7	1642.40	675968	53.6589 ng/ml
Lamotrigine	4.273	82084	627.30	79.6	1474.23	675968	57.2269 ng/ml
Levetiracetam	2.676	382816	3417.81	163.8	7618.28	1740696	50.4094 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	780227	19226.30	55.6	745.87	205216	53.6494 ng/ml
MDA	3.196	1035338	3951.46	25.5	1534.75	541514	56.1267 ng/ml
MDMA	3.290	618387	3270.18	78.6	5287.89	115395	52.0791 ng/ml
Meprobamate	4.917	458151	479.85	27.3	8183.30	420031	54.1534 ng/ml
Methadone	5.646	756735	1873.87	45.8	5961.86	656821	51.1862 ng/ml
Methamphetamine	3.231	1189355	10913.29	38.3	910.28	839324	57.7224 ng/ml
Metoprolol	4.319	167139	2209.41	89.8	2381.67	1503655	52.9650 ng/ml
Mirtazapine	4.631	747790	2793.00	50.2	851.34	737132	47.6917 ng/ml
Mitragynine	5.230	138316	870.00	39.7	94178.57	656821	55.5866 ng/ml
Morphine	1.247	50127	3402.32	29.4	130.62	11317	52.8181 ng/ml
Norbuprenorphine	4.986	1452	835.70	103.3	2332.05	13554	5.0562 ng/ml
Nordiazepam	5.900	507208	856.64	58.3	11550.93	324152	52.7862 ng/ml
Norfentanyl	4.079	132349	4055.76	34.2	554.38	1091175	4.7723 ng/ml
Norhydrocodone	3.059	59809	245.10	41.3	92.46	102595	49.8476 ng/ml
Noroxycodone	2.903	423674	1269.28	42.3	5362.16	282007	54.4809 ng/ml
O-desmethyl-tramadol	3.369	1679696	32385.74	6.7	598.45	1939577	51.5895 ng/ml
Oxazepam	5.756	951996	10568.26	74.3	294.65	715492	55.2768 ng/ml
Oxycodone	2.827	844913	1000.91	26.7	6060.53	701898	54.1353 ng/ml
Oxymorphone	1.398	427561	406.54	41.1	726.26	304195	53.1226 ng/ml
Phentermine	3.783	313290	732.13	4.7	226.83	684817	56.2565 ng/ml
Promethazine	5.532	700355	8636.76	27.9	799.30	575854	51.6319 ng/ml
Pseudoephedrine	2.589	1902349	1228.06	16.5	18621.65	1740696	49.8741 ng/ml
Quetiapine	5.555	627351	22758.33	58.6	830984.34	161840	50.5984 ng/ml
Sertraline	5.776	194969	1392.60	100.9	62313.84	183853	50.9405 ng/ml
Temazepam	5.823	1530943	55279.92	29.5	1265.60	1390465	50.5684 ng/ml
Tramadol	4.239	1588075	1631.29	3.6	541.26	1503655	53.6099 ng/ml
Trazodone	5.176	582943	18431.01	79.5	28596.99	464075	55.7257 ng/ml
Venlafaxine	5.037	1156104	44620.87	40.5	1250.51	1121507	50.5699 ng/ml
Zolpidem	4.935	1918729	107212.41	31.6	21156.66	1783581	54.7817 ng/ml

AM #28 Multi-Drug Quant. Results

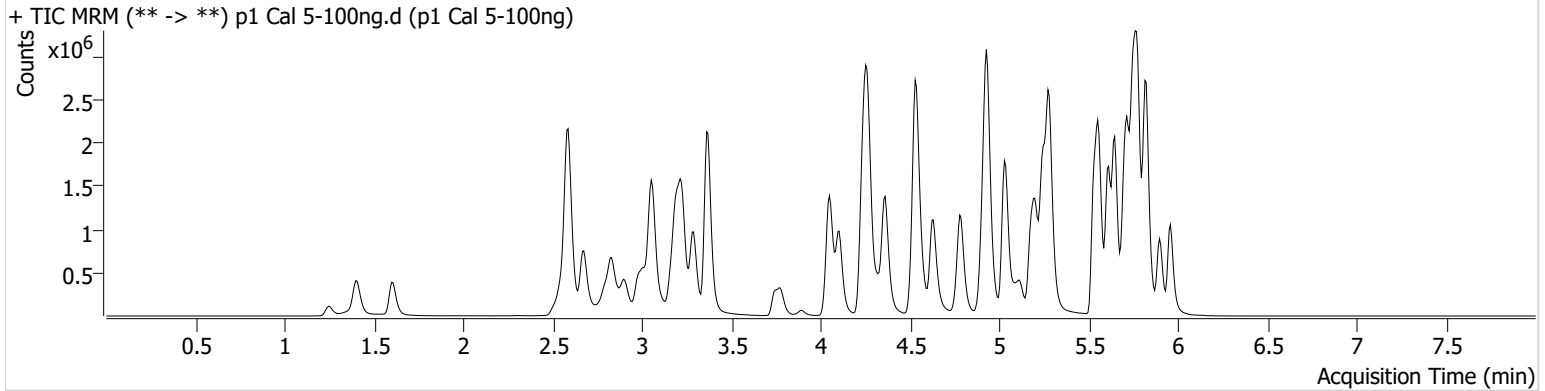
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Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 4/1/2021 11:54:08 AM

Instrument	Instrument 1	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-D12	Comment	
Injection Volume	2		
Acq. Date-Time	3/31/2021 6:36:45 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	41869	2493.47	72.3	3202.69	110655	9.7547 ng/ml
7-aminoclonazepam	4.271	913599	12885.47	80.5	14829.25	330485	101.0902 ng/ml
a-hydroxyalprazolam	5.692	393807	762.16	58.3	858.79	534109	99.5832 ng/ml
alpha-PHP	4.930	423540	4245.80	266.2	4509.40	801540	110.5589 ng/ml
alpha-PVP	4.363	1834450	71325.66	52.4	27408.21	801540	99.0145 ng/ml
Alprazolam	5.775	1469534	1062.47	112.3	2428.94	534109	101.0326 ng/ml
Amphetamine	3.056	2932620	29797.77	49.6	6765.84	345382	105.7710 ng/ml
Benzoylcegonine	3.892	66309	719.67	7.6	27934.70	23699	97.1616 ng/ml
Buprenorphine	5.880	32002	177.81	14.4	7800.76	106196	9.6490 ng/ml
Bupropion	4.788	1702450	50101.67	60.0	22205.94	606678	100.7628 ng/ml
Carisoprodol	5.724	1331329	5761156.73	56.4	3407.91	657419	94.4603 ng/ml
Citalopram	5.205	1118928	820.27	43.0	2479.02	499732	98.6534 ng/ml
Clonazepam	5.612	1581580	37640.98	32.2	569.49	196500	103.2004 ng/ml
Clonazepam	5.548	1159476	123610.49	37.3	720695.15	196500	109.1263 ng/ml
Cocaine	4.257	1527032	40079.08	51.1	1292.29	1422426	98.4251 ng/ml
Codeine	2.566	190662	∞	99.9	2476.76	101629	103.3811 ng/ml
Cyclobenzaprine	5.615	1011927	1620.27	9.2	183.44	404889	98.2864 ng/ml
Dextromethorphan	5.255	595806	824.27	80.4	13649.42	281773	99.8587 ng/ml
Dextrophan	4.105	514029	87714.05	207.2	2053.30	608846	98.6669 ng/ml
Diazepam	5.960	975621	6893.81	88.4	5566.71	449178	101.7947 ng/ml
Dihydrocodeine	2.545	517461	1342.28	62.7	1426.83	307524	105.8353 ng/ml
Diphenhydramine	5.282	2815775	34966.66	33.1	15123.19	1605176	100.7891 ng/ml
Doxylamine	4.536	3664762	75939.19	97.2	16881.82	1591456	102.6459 ng/ml
EDDP	5.248	1457222	790.91	41.8	19625.46	737641	99.1822 ng/ml
Etizolam	5.813	845078	3689.61	25.4	12664.80	196500	95.6026 ng/ml
Fentanyl	5.103	102752	553.65	67.7	1355.86	468701	10.2278 ng/ml
Flualprazolam	5.705	719184	15478.22	95.1	408608.48	534109	105.1416 ng/ml
Fluoxetine	5.700	987861	312782.34	8.9	9366.19	397831	103.1377 ng/ml
Hydrocodone	3.012	771472	468.64	38.7	1595.02	902197	107.8360 ng/ml
Hydromorphone	1.601	672076	2275524.30	75.9	1362180.88	11658	102.9611 ng/ml
Ketamine	4.051	1485701	2018.96	38.4	1052.69	730037	101.1907 ng/ml
Lamotrigine	4.273	154080	1633.37	80.0	917.39	730037	100.4259 ng/ml
Levetiracetam	2.676	737072	6243.18	162.1	3775.39	1742431	96.7313 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1197888	31191.08	57.6	2825.50	196500	86.6071 ng/ml
MDA	3.196	2070550	15217.71	24.8	1503.19	580554	105.5228 ng/ml
MDMA	3.290	1301672	1890.83	79.6	6972.41	124414	101.6028 ng/ml
Meprobamate	4.917	782069	1442.05	27.6	14010.23	411741	95.1321 ng/ml
Methadone	5.646	2089491	5400.81	46.6	4037.29	918597	101.0225 ng/ml
Methamphetamine	3.224	2277352	1132.50	38.1	931.10	883283	106.2462 ng/ml
Metoprolol	4.319	341916	765571.82	91.3	1341.40	1592152	102.6172 ng/ml
Mirtazapine	4.631	1896623	4450.23	48.3	5803.25	801540	111.2264 ng/ml
Mitragynine	5.230	369083	456939.96	40.1	275274.97	918597	106.5814 ng/ml
Morphine	1.253	97691	10883.44	28.9	366.75	11658	99.9470 ng/ml
Norbuprenorphine	4.986	4166	795.76	92.5	1576.93	18769	10.5022 ng/ml
Nordiazepam	5.900	980586	49833.40	57.4	∞	324431	102.0380 ng/ml
Norfentanyl	4.079	271937	957.69	34.3	547.14	1145423	9.2463 ng/ml
Norhydrocodone	3.059	106421	162.77	41.5	∞	95419	94.7062 ng/ml
Noroxycodone	2.903	793024	1782.37	42.2	2729.86	280741	102.5554 ng/ml
O-desmethyl-tramadol	3.369	3357075	37444.78	6.8	6514.26	1980565	100.8187 ng/ml
Oxazepam	5.756	1566672	16376.97	75.4	10313.70	623903	104.6381 ng/ml
Oxycodone	2.827	1658032	10901.50	26.8	1305.23	722011	103.5548 ng/ml
Oxymorphone	1.405	790309	∞	41.5	653.30	287373	104.2872 ng/ml
Phentermine	3.783	632043	723.97	4.7	132.41	733357	106.6183 ng/ml
Promethazine	5.532	2067958	135273.82	28.0	985.28	869921	101.0052 ng/ml
Pseudoephedrine	2.589	3788861	42885.13	16.2	27294.95	1742431	98.8530 ng/ml
Quetiapine	5.555	1558684	1028.60	58.0	1218.95	211756	95.9022 ng/ml
Sertraline	5.776	507813	1395.16	99.7	18043.65	242608	100.2718 ng/ml
Temazepam	5.823	2778743	27589.19	28.4	603.53	1288669	98.6477 ng/ml
Tramadol	4.239	3211329	5554.00	3.6	1423.26	1592152	102.7039 ng/ml
Trazodone	5.176	1546113	107462.42	79.3	112942.52	649558	106.1038 ng/ml
Venlafaxine	5.030	2522510	48821.17	39.3	384.25	1238066	99.7091 ng/ml
Zolpidem	4.935	3841805	122183.64	31.2	1589.31	1855895	105.7980 ng/ml

AM #28 Multi-Drug Quant. Results

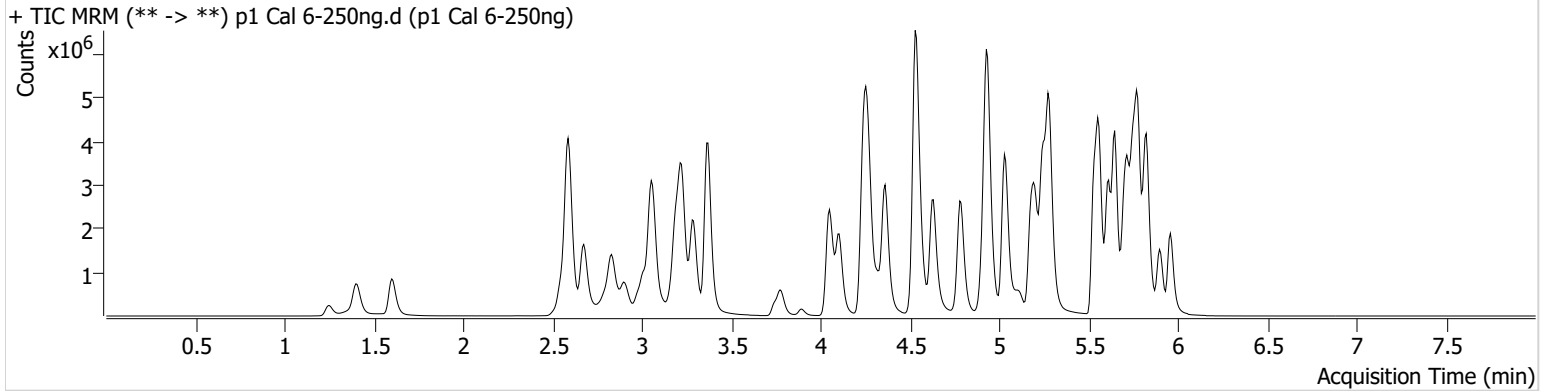
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Calibration Last Update 4/1/2021 11:54:08 AM

Instrument	Instrument 1	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-C12	Comment	
Injection Volume	2		
Acq. Date-Time	3/31/2021 6:47:21 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	104437	1437.09	69.9	1751.63	109431	24.5594 ng/ml
7-aminoclonazepam	4.271	1692257	20059.66	80.9	17730.70	257717	240.0365 ng/ml
a-hydroxyalprazolam	5.692	650015	1145.15	57.8	1606.22	437495	201.3719 ng/ml
alpha-PHP	4.930	937349	2367.33	267.1	11762.87	803589	245.3321 ng/ml
alpha-PVP	4.363	4566968	181141.32	51.9	1628.91	803589	245.6766 ng/ml
Alprazolam	5.775	3003291	1509.43	113.7	∞	437495	251.7773 ng/ml
Amphetamine	3.056	6326926	5453.77	48.8	3996.14	340365	232.9729 ng/ml
Benzoylecgonine	3.892	170506	1197.78	7.9	3745.49	23953	247.4314 ng/ml
Buprenorphine	5.880	77466	5423.35	14.3	11284.93	94555	26.2387 ng/ml
Bupropion	4.781	4228399	3863.37	60.0	55286.17	612028	248.0129 ng/ml
Carisoprodol	5.724	2359177	5367380.39	54.4	10957.13	448451	244.5127 ng/ml
Citalopram	5.205	2585797	1192.01	43.1	22509.18	473359	240.3443 ng/ml
Clonazepam	5.612	2926630	35278.60	31.8	229904.03	157080	239.7929 ng/ml
Clonazepam	5.549	2193974	314107.06	38.0	4335.41	157080	259.2456 ng/ml
Cocaine	4.257	3483588	216638.80	50.3	46291.47	1301633	245.1862 ng/ml
Codeine	2.566	384205	7507.67	100.1	912.89	91402	232.3692 ng/ml
Cyclobenzaprine	5.615	2367076	1388.66	8.8	538.55	379359	244.9621 ng/ml
Dextromethorphan	5.255	1336293	18890.58	79.9	32862.61	260658	242.1278 ng/ml
Dextrophan	4.105	1200355	2540.29	208.9	2362.95	577871	242.4813 ng/ml
Diazepam	5.960	2068408	9158.61	88.1	17797.54	402959	240.7510 ng/ml
Dihydrocodeine	2.545	1170782	2158.08	64.5	1786.02	313238	235.8851 ng/ml
Diphenhydramine	5.282	6724449	81246.05	32.7	48874.00	1506070	256.1401 ng/ml
Doxylamine	4.529	9524245	120789.89	97.3	11425.18	1625169	261.3658 ng/ml
EDDP	5.248	3632603	2475.87	41.7	1550.83	743608	245.2187 ng/ml
Etizolam	5.813	1798615	7728.26	25.0	11669.07	157080	253.8417 ng/ml
Fentanyl	5.103	246404	9950.01	71.4	690111.15	472317	24.3326 ng/ml
Flualprazolam	5.705	1427626	11484.38	97.2	1265786.67	437495	255.1509 ng/ml
Fluoxetine	5.700	1860353	23839.54	8.9	2580.06	317854	243.4558 ng/ml
Hydrocodone	3.012	1765382	∞	38.9	1644.96	913470	244.6674 ng/ml
Hydromorphone	1.601	1521429	6988.56	76.2	10120001.7	11250	242.0733 ng/ml
					4		
Ketamine	4.051	3580829	3617.95	37.8	4310.13	716433	249.2080 ng/ml
Lamotrigine	4.273	303142	4169.26	80.1	2401.19	716433	202.6420 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.676	1634348	9078.09	165.6	12299.79	1609717	231.8222 ng/ml
Lorazepam	5.747	1628643	4447.75	54.8	3568.64	157080	147.9815 ng/ml
MDA	3.196	4088759	11970.04	24.4	4995.85	512709	237.1298 ng/ml
MDMA	3.290	3100519	22850.63	78.8	11929.16	122353	245.9792 ng/ml
Meprobamate	4.911	1325920	58527.82	28.1	14246.83	361695	184.6456 ng/ml
Methadone	5.646	5075967	31612.39	45.8	30975.57	884330	254.8660 ng/ml
Methamphetamine	3.224	5696374	5088.93	37.6	36092.87	952392	248.4379 ng/ml
Metoprolol	4.319	807305	32835.42	90.4	18437.20	1496121	258.3131 ng/ml
Mirtazapine	4.631	4632054	14570.00	48.1	10199.52	803589	270.9361 ng/ml
Mitragynine	5.230	827454	1987087.06	40.2	2084.63	884330	248.9712 ng/ml
Morphine	1.247	232494	21893.19	28.7	1963.22	11250	246.5368 ng/ml
Norbuprenorphine	4.979	9582	22996.03	93.7	6250.46	19151	23.7064 ng/ml
Nordiazepam	5.900	1949031	978.55	57.2	2335.12	270434	243.4171 ng/ml
Norfentanyl	4.079	685415	15498.36	33.9	4929.35	1098421	24.1412 ng/ml
Norhydrocodone	3.053	219603	257.22	42.3	209.07	72944	254.4109 ng/ml
Noroxycodone	2.903	1609679	4498.43	43.0	1716.86	242892	240.7873 ng/ml
O-desmethyl-tramadol	3.369	8132632	5606239.20	6.6	1526.58	1900567	254.2701 ng/ml
Oxazepam	5.756	2381614	9841.16	73.5	16577.26	401125	247.8990 ng/ml
Oxycodone	2.827	3934684	5184.41	26.9	3021.61	725366	245.0312 ng/ml
Oxymorphone	1.398	1723381	∞	42.1	∞	270110	242.4255 ng/ml
Phentermine	3.776	1439041	1717.98	4.5	772.19	756196	236.2880 ng/ml
Promethazine	5.532	4944382	63148.53	27.6	68563.31	823867	255.1354 ng/ml
Pseudoephedrine	2.589	8778713	131245.15	16.1	403.67	1609717	247.3428 ng/ml
Quetiapine	5.555	3602533	803170.25	57.7	84994.72	191067	245.3469 ng/ml
Sertraline	5.776	1004533	∞	99.3	51261.67	191832	250.4305 ng/ml
Temazepam	5.823	5027013	77412.86	28.2	432.76	940096	244.0369 ng/ml
Tramadol	4.239	7618034	2780.11	3.5	394.48	1496121	259.8161 ng/ml
Trazodone	5.176	3782604	378539.73	79.0	87267.95	664960	254.3642 ng/ml
Venlafaxine	5.030	6263100	93031.63	38.1	5070.55	1214570	251.9765 ng/ml
Zolpidem	4.935	9096605	13145.98	29.8	14179.74	1824282	255.4349 ng/ml

AM #28 Multi-Drug Quant. Results

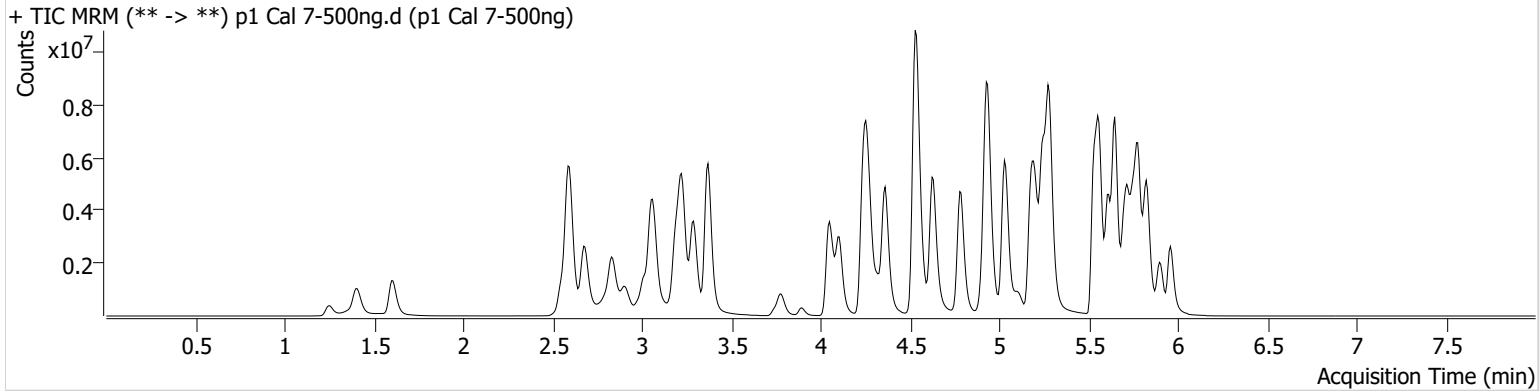
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Calibration Last Update 4/1/2021 11:54:08 AM

Instrument	Instrument 1	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-B12	Comment	
Injection Volume	2		
Acq. Date-Time	3/31/2021 6:57:58 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	185129	1096.75	71.5	3839.10	94708	50.2710 ng/ml
7-aminoclonazepam	4.271	2193366	58408.48	83.8	12217.48	162550	493.1976 ng/ml
a-hydroxyalprazolam	5.692	768409	1087.58	59.3	272.01	315448	330.5930 ng/ml
alpha-PHP	4.930	1507533	15827.37	273.5	139237.35	673237	471.9322 ng/ml
alpha-PVP	4.363	7841531	311062.55	51.9	489751.85	673237	503.3639 ng/ml
Alprazolam	5.775	4422168	1977.99	111.5	1743.83	315448	513.9510 ng/ml
Amphetamine	3.063	9456656	10930.98	49.3	64648.38	290023	409.5588 ng/ml
Benzoylecgonine	3.892	343389	480.84	7.7	383.85	23482	508.4716 ng/ml
Buprenorphine	5.880	153966	12203.06	14.6	26535.58	86141	57.2478 ng/ml
Bupropion	4.781	7855542	137494.85	59.7	831.65	552893	509.9930 ng/ml
Carisoprodol	5.730	3145455	48544.53	54.1	5617.32	280738	520.1430 ng/ml
Citalopram	5.205	4789591	1761.92	42.8	1699.99	412384	510.7393 ng/ml
Clonazepam	5.612	3647288	50542.98	32.2	8448.09	106467	441.4758 ng/ml
Clonazepam	5.548	2701953	133452.77	37.5	323302.43	106467	471.6017 ng/ml
Cocaine	4.257	5613012	1481.97	50.4	1315.82	1015064	506.4609 ng/ml
Codeine	2.573	560412	167.46	100.1	213.05	73349	422.8460 ng/ml
Cyclobenzaprine	5.615	4745215	12228.80	8.6	2809.70	360150	516.9501 ng/ml
Dextromethorphan	5.255	2455544	21476.62	79.8	1039.41	230162	503.8963 ng/ml
Dextrophan	4.105	2102479	3728.56	208.9	61644.70	485904	504.8995 ng/ml
Diazepam	5.960	3172752	7277.39	87.6	22901.09	298980	497.8651 ng/ml
Dihydrocodeine	2.545	1884472	2988.77	64.6	1817.17	275262	432.5999 ng/ml
Diphenhydramine	5.282	12818208	171512.45	33.2	45510.69	1413356	520.0209 ng/ml
Doxylamine	4.529	16729558	141214.27	97.1	4183.96	1436477	519.4875 ng/ml
EDDP	5.248	6649758	71825.46	41.6	40220.26	656447	508.4642 ng/ml
Etizolam	5.813	2786235	20571.94	25.5	655614.31	106467	579.6174 ng/ml
Fentanyl	5.103	541816	7575.60	71.3	12551.85	499358	50.6024 ng/ml
Flualprazolam	5.705	1985782	10958.96	100.0	39622.32	315448	492.4465 ng/ml
Fluoxetine	5.700	3331532	61505.38	8.5	29698.81	282547	490.7279 ng/ml
Hydrocodone	3.012	2871456	327.72	39.1	290.17	787648	462.1989 ng/ml
Hydromorphone	1.601	2563805	1058027.89	75.9	15508849.6	9562	480.3212 ng/ml
Ketamine	4.051	6085826	48420.94	36.9	3034.52	610626	497.4032 ng/ml
Lamotrigine	4.280	427166	1640.31	81.2	2975.94	610626	335.8784 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.676	2781866	20709.46	165.3	8870.55	1215778	522.1345 ng/ml
Lorazepam	5.747	1692121	39325.51	55.1	4526.96	106467	227.3549 ng/ml
MDA	3.196	5897200	2837.75	24.5	3737.21	416373	421.8818 ng/ml
MDMA	3.290	5266886	9660.91	79.2	54540.55	101727	502.4896 ng/ml
Meprobamate	4.911	1665675	33523.33	28.1	29324.90	294192	285.7924 ng/ml
Methadone	5.646	10078260	96433.13	45.6	43737.14	863628	518.1253 ng/ml
Methamphetamine	3.224	9519163	2373.45	36.6	4096.40	838967	472.6275 ng/ml
Metoprolol	4.319	1287879	74975.42	90.6	4220.14	1224733	503.6895 ng/ml
Mirtazapine	4.624	9386890	283876.09	47.4	23093.90	673237	655.3458 ng/ml
Mitragynine	5.230	1569368	1356307.17	39.9	1584.36	863628	484.0666 ng/ml
Morphine	1.253	398845	3585.66	28.6	5593.82	9562	497.6206 ng/ml
Norbuprenorphine	4.979	18976	343.21	97.9	9819.36	18336	49.0642 ng/ml
Nordiazepam	5.900	2788640	39183.88	58.5	1108.56	191583	491.7015 ng/ml
Norfentanyl	4.079	1208055	28395.55	33.7	1163.92	879218	53.0384 ng/ml
Norhydrocodone	3.059	379197	224.02	42.0	393.21	61886	517.0481 ng/ml
Noroxycodone	2.903	2412994	986.54	42.7	1065.56	179923	487.4177 ng/ml
O-desmethyl-tramadol	3.369	13351759	404962.14	6.7	28380.60	1537647	515.8086 ng/ml
Oxazepam	5.749	2572059	91.34	71.4	20952.82	220089	488.2853 ng/ml
Oxycodone	2.827	6686454	∞	26.4	1023.88	624267	484.1332 ng/ml
Oxymorphone	1.405	2756130	1002.92	43.2	∞	209126	501.1459 ng/ml
Phentermine	3.783	2267903	∞	4.5	1018.99	663255	425.1414 ng/ml
Promethazine	5.532	10036075	6600.81	27.6	2808.80	826356	516.4045 ng/ml
Pseudoephedrine	2.596	13954347	141031.65	16.0	61056.64	1215778	520.1375 ng/ml
Quetiapine	5.555	6806855	183300.43	59.8	3908.44	175031	505.8355 ng/ml
Sertraline	5.776	1712693	625.38	101.4	173190.01	161731	506.1563 ng/ml
Temazepam	5.830	6551258	42585.64	27.8	14859.46	586445	509.3780 ng/ml
Tramadol	4.239	12049117	2801.55	3.6	2677.51	1224733	502.3297 ng/ml
Trazodone	5.176	7627827	150455.95	79.7	137122.01	695100	491.2267 ng/ml
Venlafaxine	5.030	10899830	118966.32	38.1	1642.06	1031133	516.2735 ng/ml
Zolpidem	4.935	14567437	338474.84	30.0	16254.17	1510154	494.5340 ng/ml

AM #28 Multi-Drug Quant. Results

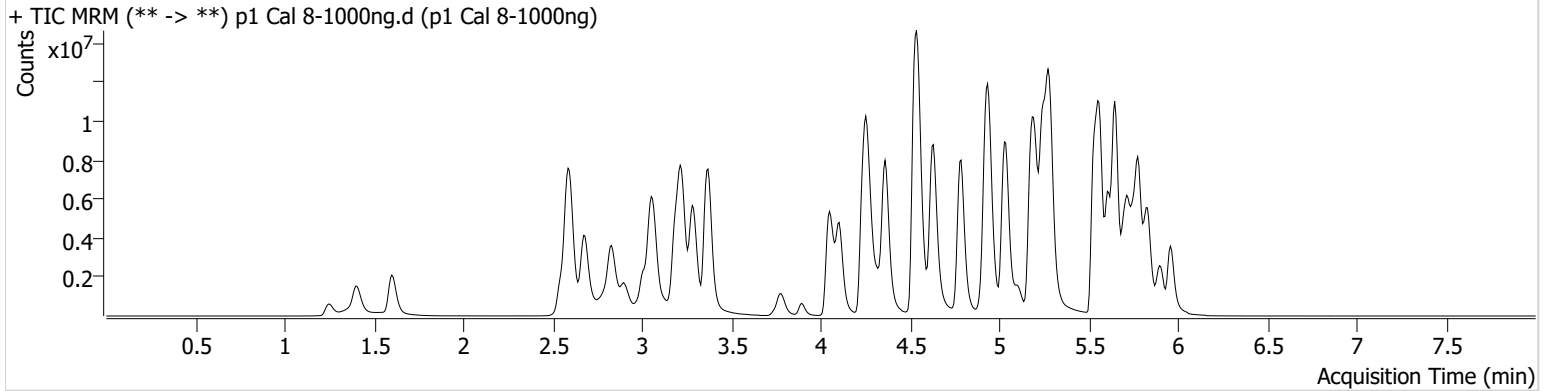
SC



Batch results D:\MassHunter\Data\2021\AM 27-28\033121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 4/1/2021 11:54:08 AM

Instrument	Instrument 1	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-A12	Comment	
Injection Volume	2		
Acq. Date-Time	3/31/2021 7:08:34 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	350325	3397.87	70.3	16765.90	86483	104.1454 ng/ml
7-aminoclonazepam	4.278	2585390	22925.91	76.6	13975.78	89713	1053.2702 ng/ml
a-hydroxyalprazolam	5.685	882786	371.15	58.0	231.02	222811	538.1431 ng/ml
alpha-PHP	4.930	2338362	23917.85	273.0	1642.28	580057	850.4595 ng/ml
alpha-PVP	4.363	13820797	24880.42	53.1	345782.31	580057	1029.5634 ng/ml
Alprazolam	5.775	6059142	∞	113.7	697.99	222811	996.7977 ng/ml
Amphetamine	3.063	13593630	103668.46	48.9	43146.18	236424	723.1046 ng/ml
Benzoylecgonine	3.892	731233	39471.96	7.7	1339.01	23258	1093.3706 ng/ml
Buprenorphine	5.880	308214	77180.46	14.1	31870.05	73328	134.6292 ng/ml
Bupropion	4.788	13944792	234520.93	61.6	4299.84	517510	967.1729 ng/ml
Carisoprodol	5.730	3805175	2854.44	53.9	20715.79	160677	1098.8015 ng/ml
Citalopram	5.205	7686382	160294.54	42.4	51941.55	315048	1072.6116 ng/ml
Clonazepam	5.605	4031603	99267.87	32.2	973.49	68356	760.5626 ng/ml
Clonazepam	5.555	2960382	3843.13	37.1	80671.94	68356	805.2745 ng/ml
Cocaine	4.257	8998209	1249.17	50.3	1140.12	788760	1044.7190 ng/ml
Codeine	2.566	788972	924.94	97.4	390.23	61893	705.8828 ng/ml
Cyclobenzaprine	5.615	7893863	441102.94	8.5	15528.63	291372	1062.6643 ng/ml
Dextromethorphan	5.255	3593290	24403.66	80.0	19151.76	165173	1027.5128 ng/ml
Dextrophan	4.105	3634045	126018.60	209.3	87882.18	407389	1040.6888 ng/ml
Diazepam	5.960	4767090	474.72	87.5	∞	228837	977.4659 ng/ml
Dihydrocodeine	2.545	2963391	1742.33	65.4	1823.52	262010	715.1085 ng/ml
Diphenhydramine	5.282	19299208	92145.75	36.5	50279.39	1140449	970.0833 ng/ml
Doxylamine	4.539	26293618	262164.04	97.2	170007.20	1369577	856.4110 ng/ml
EDDP	5.248	12857271	152508.65	41.7	534.48	617475	1045.1334 ng/ml
Etizolam	5.820	4101418	10215.59	24.9	7607.55	68356	1328.3683 ng/ml
Fentanyl	5.103	1088142	2200.82	71.8	35972.90	494851	102.5471 ng/ml
Flualprazolam	5.705	2586462	51237.13	101.8	14241.94	222811	908.2890 ng/ml
Fluoxetine	5.700	4691271	∞	8.7	22377.16	198161	985.5402 ng/ml
Hydrocodone	3.005	4960564	∞	38.8	2901.52	728179	864.3312 ng/ml
Hydromorphone	1.601	4246835	2337017.87	76.0	1028748.16	8075	942.5184 ng/ml
Ketamine	4.051	10333243	294903.76	37.1	11313.19	550537	937.1481 ng/ml
Lamotrigine	4.280	544649	18175.33	79.1	16428.33	550537	475.5370 ng/ml
Levetiracetam	2.683	4426960	19458.82	167.3	40103.24	910329	1109.4249 ng/ml

SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1753498	17951.34	55.3	6238.12	68356	367.5539 ng/ml
MDA	3.189	8439208	4548.14	23.9	4381.19	336639	747.4648 ng/ml
MDMA	3.283	8630150	7244.66	79.1	3982.01	85183	983.2005 ng/ml
Meprobamate	4.911	1942253	80046.28	28.2	10796.59	249260	393.7402 ng/ml
Methadone	5.646	15927362	930.58	50.9	1301.84	730220	968.3931 ng/ml
Methamphetamine	3.224	14600527	68613.43	36.9	33688.72	751930	809.8884 ng/ml
Metoprolol	4.319	2000130	84966.00	91.1	47271.36	1061756	902.5707 ng/ml
Mirtazapine	4.631	16474190	4068.64	49.5	25440.05	580057	1334.8938 ng/ml
Mitragynine	5.230	2395461	2397.99	40.2	25323.49	730220	874.3243 ng/ml
Morphine	1.253	664407	1899.08	28.3	22799.99	8075	981.6182 ng/ml
Norbuprenorphine	4.979	36722	261.24	101.4	492.25	17424	99.9452 ng/ml
Nordiazepam	5.906	3788456	90648.15	57.2	34019.07	127901	1000.6696 ng/ml
Norfentanyl	4.079	2003508	36017.35	33.5	13880.59	657380	117.5247 ng/ml
Norhydrocodone	3.053	629271	127.75	44.6	188.30	51021	1040.0221 ng/ml
Noroxycodone	2.903	3584570	1003.55	42.2	11130.85	133792	973.8599 ng/ml
O-desmethyl-tramadol	3.371	20440616	82845.86	7.3	35737.56	1259610	963.8312 ng/ml
Oxazepam	5.749	2348211	23889.62	73.0	7320.03	110027	892.0134 ng/ml
Oxycodone	2.827	11694424	4411.05	26.5	6552.42	560091	944.0499 ng/ml
Oxymorphone	1.405	4581790	∞	41.9	∞	182171	956.7058 ng/ml
Phentermine	3.783	3475208	∞	4.5	2182.69	611154	707.4772 ng/ml
Promethazine	5.532	15690145	116666.25	31.4	68021.04	706805	943.9641 ng/ml
Pseudoephedrine	2.596	21112885	202187.75	16.3	62409.13	910329	1050.6294 ng/ml
Quetiapine	5.562	11294536	150355.93	60.8	225943.21	134814	1089.4858 ng/ml
Sertraline	5.776	2406686	42004.71	96.5	68028.56	113207	1015.8311 ng/ml
Temazepam	5.830	7409358	59079.02	28.1	36999.42	320168	1054.7956 ng/ml
Tramadol	4.239	17987645	1609.84	3.8	545.55	1061756	865.2730 ng/ml
Trazodone	5.176	13564178	312014.31	81.3	313200.63	723498	839.6398 ng/ml
Venlafaxine	5.036	18162725	225573.41	40.5	1173.99	876794	1011.4778 ng/ml
Zolpidem	4.940	21844034	181638.61	32.7	4112.83	1350099	829.7536 ng/ml