

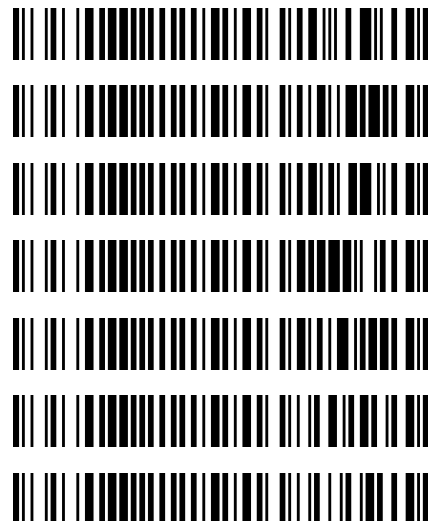
Worklist: 5653

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
M2021-5485	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0261	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0305	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0325	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0345	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0386	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0423	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0442	9	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0471	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-0506	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4163	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0056	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0125	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0160	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0283	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0302	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0335	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0336	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0344	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0346	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-0373	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 5653



<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2022-0374	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2022-0389	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2022-0399	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2022-0424	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2022-0431	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2022-0464	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2022-0465	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 03/01/2022

Analyst: Amber Gerheart

Plate lot#: 211018

Plate Retest Date: 04/18/2022

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 22B52016-2

Blank Urine Lot: N/A

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

LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: 42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Step skipped per deviation
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate. ~~2/21~~ 4/28/2022
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right)**
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left)**.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left)**.
- 15. Remove plate containing eluate. **If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional)**. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

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

COMMENTS: *Calibration Curve Range:* 7-aminoclonazepam 5-500 ng/mL, alpha-hydroxyalprazolam 5-250 ng/mL, benzoylecgonine 10-1000 ng/mL, clonazolam 5-250 ng/mL, cyclobenzaprine 25-1000 ng/mL, dihydrocodeine 5-500 ng/mL, lamotrigine 5-250 ng/mL, lorazepam 5-100 ng/mL, meprobamate 5-250 ng/mL, mirtazapine 5-500 ng/mL, norbuprenorphine 1-100 ng/mL, norfentanyl 0.5-50 ng/mL

Qualitative only: cyclobenzaprine

HA

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2022-0305-2	P2021-4163-1	IS + Cal. 1	IS + QC_1	P2022-0374-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2022-0325-1	P2022-0056-1	IS + Cal. 2	IS + QC_2	P2022-0389-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	M2022-0345-3	P2022-0125-1	IS + Cal. 3	IS + QC_3	P2022-0399-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	M2022-0386-1	P2022-0160-1	IS + Cal. 4	IS + QC_4	P2022-0424-1	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	M2022-0423-3	P2022-0283-1	IS + Cal. 5	IS + QC_2	P2022-0431-1	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Negative Blood	M2022-0442-9	P2022-0302-1	IS + Cal. 6	P2022-0344-1	P2022-0464-1	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2021-5485-1	M2022-0471-1	P2022-0335-1	IS + Cal. 7	P2022-0346-1	P2022-0465-1	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2022-0261-2	M2022-0506-2	P2022-0336-1	IS + Cal. 8	P2022-0373-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

AG

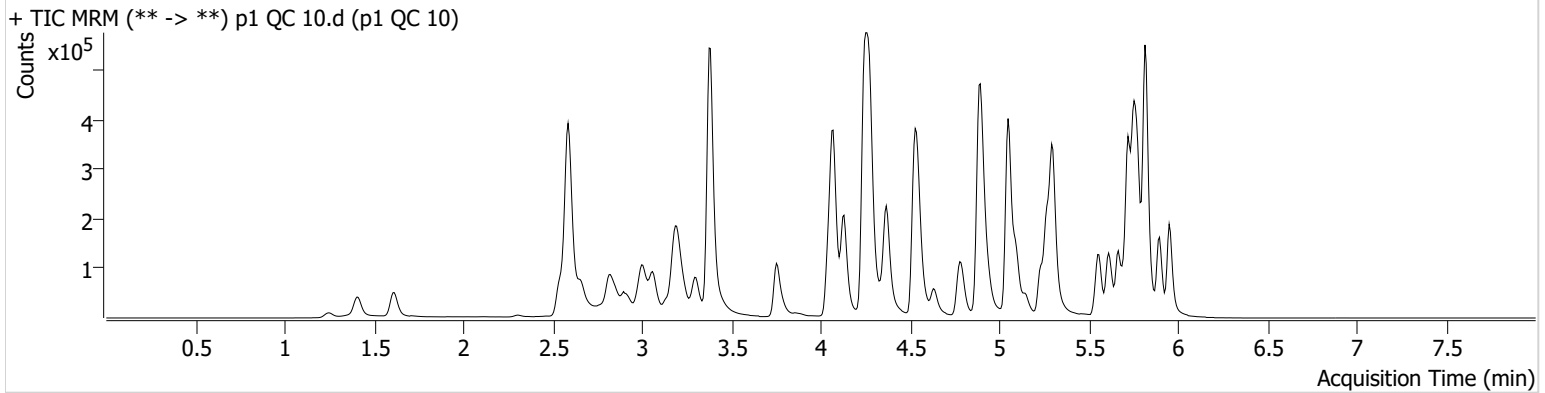


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 7:02:44 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	2015	9203.55	65.6	194.35	54802	1.0502 ng/ml
7-aminoclonazepam	4.271	42451	50.71	73.7	1081.40	158823	10.2831 ng/ml
a-hydroxyalprazolam	5.699	24486	254.54	67.7	183.12	289349	10.9929 ng/ml
alpha-PHP	4.944	23185	63.81	251.3	1316.06	421239	9.9678 ng/ml
alpha-PVP	4.376	92518	7581.79	52.1	158.78	421239	9.9078 ng/ml
Alprazolam	5.782	81433	1065.62	104.1	1988.01	289349	9.5475 ng/ml
Amphetamine	3.063	92959	185.34	50.4	145.67	142250	10.1234 ng/ml
Benzoylecgonine	3.892	2304	34.86	9.2	28.63	8331	10.6499 ng/ml
Buprenorphine	5.819	949	11.65	16.5	214.08	37833	0.9656 ng/ml
Bupropion	4.795	65464	210.55	64.2	221.96	242079	9.9374 ng/ml
Carisoprodol	5.730	101581	45609.39	60.6	217.48	467088	10.4127 ng/ml
Citalopram	5.232	39442	2173.73	32.9	365.29	178375	10.0216 ng/ml
Clonazepam	5.612	86497	2947.65	35.4	61905.34	119270	10.4552 ng/ml
Clonazepam	5.555	58425	71824.57	36.6	35091.13	119270	10.0709 ng/ml
Cocaine	4.271	76653	3397.16	54.9	1464.64	669109	10.1076 ng/ml
Codeine	2.593	12443	654.51	98.0	215.89	56635	10.1361 ng/ml
* Cyclobenzaprine	5.635	7712	22977.41	10.3 High	11.07	41247	10.3925 ng/ml
Dextromethorphan	5.282	18949	542.41	80.9	2233.08	86202	10.5952 ng/ml
Dextrophan	4.132	30487	13869.69	218.1	5073.89	355055	9.9062 ng/ml
Diazepam	5.960	58413	268.21	92.3	1396.60	267849	10.4739 ng/ml
Dihydrocodeine	2.572	26402	1694.62	68.6	283.35	176016	10.0921 ng/ml
Diphenhydramine	5.303	108296	931.15	32.6	935.93	579779	9.9154 ng/ml
Doxylamine	4.549	190124	1429.97	99.9	2542.60	879335	9.8325 ng/ml
EDDP	5.268	54488	6874.70	41.1	2953.37	303396	9.9661 ng/ml
Etizolam	5.820	40980	27965.68	27.2	575.19	119270	9.3556 ng/ml
Fentanyl	5.109	1752	16.31	57.8	132.80	96013	1.0957 ng/ml
Flualprazolam	5.705	35235	1201.35	104.6	376.54	289349	10.0123 ng/ml
Fluoxetine	5.721	9271	386.71	8.7	112.78	29300	11.9902 ng/ml
Hydrocodone	3.032	39266	43.86	36.2	44.22	223497	10.6077 ng/ml
Hydromorphone	1.621	33878	548.53	79.1	143612.81	113144	10.8268 ng/ml
Ketamine	4.059	81332	449.55	34.8	1668.95	363832	10.3825 ng/ml
Lamotrigine	4.294	8790	564.54	82.3	206.61	363832	10.9395 ng/ml
Levetiracetam	2.663	44845	768.18	133.6	537.95	964899	10.8823 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	5.753	78425	1146.21	56.6	977.06	119270	10.7582 ng/ml
MDA	3.209	104743	1053.82	31.3	54.34	340999	10.0045 ng/ml
MDMA	3.303	68935	1321.28	94.2	851.18	80799	10.0690 ng/ml
Meprobamate	4.911	62423	1409.67	26.2	1080.04	321212	10.5738 ng/ml
Methadone	5.666	40809	531.67	65.7	594.16	189338	10.5801 ng/ml
Methamphetamine	3.238	46091	310.01	38.3	254.74	199870	9.7693 ng/ml
Metoprolol	4.340	22421	31300.64	96.3	882.84	1070321	10.1464 ng/ml
Mirtazapine	4.637	78415	948.42	52.0	513.28	421239	9.0670 ng/ml
Mitragynine	5.237	10251	126.29	31.6	3091.10	189338	11.2341 ng/ml
Morphine	1.253	5351	1332.20	20.3	54.49	4933	10.9122 ng/ml
Norbuprenorphine	5.006	182	418.11	100.1	545.62	6808	1.3260 ng/ml
Nordiazepam	5.900	65054	710.47	53.0	506.30	219783	10.3107 ng/ml
Norfentanyl	4.093	16145	3047.90	37.1	103.32	774450	0.9444 ng/ml
Norhydrocodone	3.080	6556	71.58	40.0	51.68	59853	9.8111 ng/ml
Noroxycodone	2.923	33706	363.07	54.3	6874.57	110228	10.1860 ng/ml
O-desmethyl-tramadol	3.383	212979	817.48	5.7	217.15	1269399	9.6929 ng/ml
Oxazepam	5.756	103648	2938.10	70.9	184.32	416377	10.6454 ng/ml
Oxycodone	2.848	64862	293.58	32.2	317.38	274669	10.1199 ng/ml
Oxymorphone	1.411	32055	480.42	50.4	∞	105999	9.6318 ng/ml
Phentermine	3.790	24988	587.59	6.1	12.00	307242	9.8484 ng/ml
Promethazine	5.552	20554	377.48	30.5	641.82	86203	10.6699 ng/ml
Pseudoephedrine	2.596	194565	2981.60	17.0	225.24	964899	9.9478 ng/ml
Quetiapine	5.562	51518	∞	59.7	371.93	72098	10.3764 ng/ml
Sertraline	5.789	2708	23.85	90.3	181.08	9850	11.6128 ng/ml
Temazepam	5.823	178199	1854.78	27.5	498.11	846187	9.8748 ng/ml
Tramadol	4.259	211984	508.99	3.2	92.30	1070321	9.9338 ng/ml
Trazodone	5.149	42015	3375.84	79.1	1896.22	160662	9.9984 ng/ml
Venlafaxine	5.050	146626	6842.60	32.2	403.51	820327	9.9177 ng/ml
Zolpidem	4.914	176915	392.12	29.8	605.79	849620	10.3590 ng/ml

*Outside Curve Range

AG

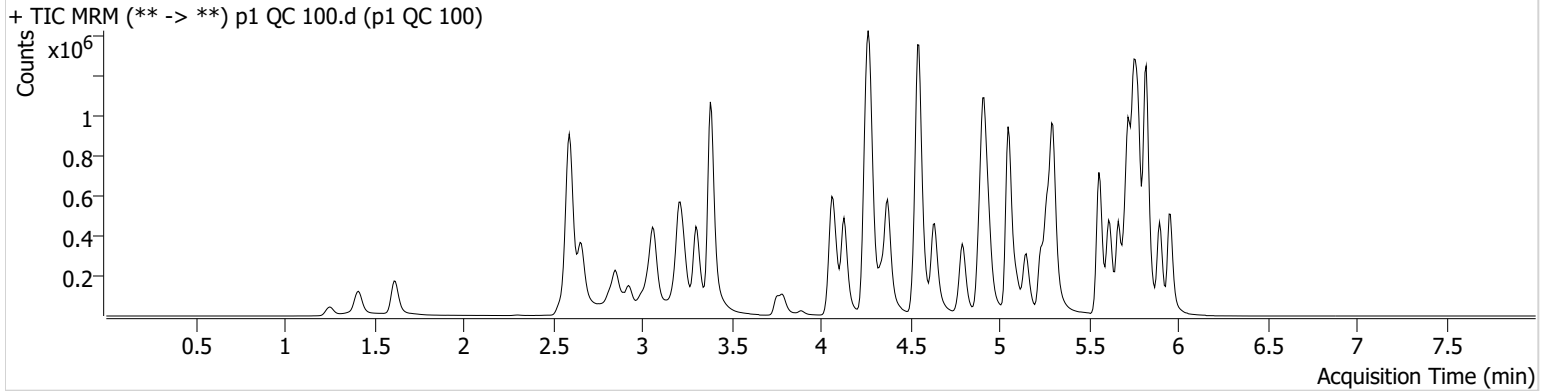


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	3/2/2022 6:33:06 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	15774	2469.15	71.4	213.45	46908	9.5911 ng/ml
7-aminoclonazepam	4.271	320341	30144.11	72.8	173.90	128152	103.0270 ng/ml
a-hydroxyalprazolam	5.699	163507	701.04	67.7	478.67	214597	110.7871 ng/ml
alpha-PHP	4.944	187886	2135.46	259.0	416763.03	333383	100.2866 ng/ml
alpha-PVP	4.376	720547	2010.05	52.5	1248.86	333383	95.5748 ng/ml
Alprazolam	5.782	628218	3113.07	103.3	3786.26	214597	95.6443 ng/ml
Amphetamine	3.069	769259	367.94	46.6	461.38	116007	110.0226 ng/ml
Benzoylcegonine	3.892	22174	4520.06	7.7	29.35	7461	102.3121 ng/ml
Buprenorphine	5.819	10537	15368.80	14.7	2201.78	42944	10.7697 ng/ml
Bupropion	4.795	508753	37632.74	63.9	4801.90	192112	99.1279 ng/ml
Carisoprodol	5.730	719594	40458.88	62.2	420.33	337748	93.1005 ng/ml
Citalopram	5.232	391574	10371.97	31.5	301.96	181484	96.6220 ng/ml
Clonazepam	5.612	633109	4688.37	35.0	40259.35	88959	109.8962 ng/ml
Clonazepam	5.555	414562	873179.01	38.3	200118.51	88959	102.9807 ng/ml
Cocaine	4.277	607361	946.51	55.5	448.93	558400	96.9992 ng/ml
Codeine	2.593	100371	447.40	93.4	175.85	44744	110.4325 ng/ml
Cyclobenzaprine	5.635	83148	132249.65	8.6	592.17	41724	91.9558 ng/ml
Dextromethorphan	5.282	186567	540.23	81.3	17333.67	92010	99.3172 ng/ml
Dextrophan	4.132	264588	6120.43	210.9	19820.92	305015	97.8085 ng/ml
Diazepam	5.960	449578	1070.27	91.4	5223.34	209884	104.4046 ng/ml
Dihydrocodeine	2.572	219068	204.27	68.8	154.69	144764	104.7818 ng/ml
Diphenhydramine	5.303	1075893	83084.14	31.8	235.15	573208	98.8524 ng/ml
Doxylamine	4.549	1678155	5990.37	98.3	59553.49	763814	99.3355 ng/ml
EDDP	5.268	475940	120131.98	39.8	19348.58	265772	98.9013 ng/ml
Etizolam	5.820	323349	28243.51	26.9	264237.40	88959	93.5628 ng/ml
Fentanyl	5.109	15882	121.32	70.1	16890.97	100744	9.6028 ng/ml
Flualprazolam	5.705	262614	14734.14	104.8	15599.59	214597	106.9742 ng/ml
Fluoxetine	5.721	57785	5901.98	8.1	4754.32	22217	95.2746 ng/ml
Hydrocodone	3.032	313609	266.03	37.6	228.72	190258	103.0513 ng/ml
Hydromorphone	1.621	281828	1450.94	82.0	1220068.50	100750	100.3028 ng/ml
Ketamine	4.065	619745	1476.99	35.6	769.02	290119	102.5946 ng/ml
Lamotrigine	4.294	68957	1296.79	85.1	33973.29	290119	114.1412 ng/ml
Levetiracetam	2.663	342806	6098.77	139.4	1245.61	785704	103.3150 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	5.753	462609	10766.86	57.7	1302.57	88959	108.5029 ng/ml
MDA	3.209	868274	992.90	30.0	469.89	287032	103.2060 ng/ml
MDMA	3.303	590321	1218457.11	93.2	2888.33	68266	100.9918 ng/ml
Meprobamate	4.911	427209	41692.72	27.1	33370.60	253948	98.7562 ng/ml
Methadone	5.666	433030	14685.46	65.0	15849.19	208668	92.7892 ng/ml
Methamphetamine	3.238	364846	715.78	37.8	313.91	168262	105.0614 ng/ml
Metoprolol	4.340	181977	29804.65	98.4	1295.08	887855	105.4392 ng/ml
Mirtazapine	4.637	752966	1532.62	52.1	3886.40	333383	100.2623 ng/ml
Mitragynine	5.237	96529	141786.80	34.6	61835.45	208668	106.2356 ng/ml
Morphine	1.253	42762	8427.59	21.8	1634.26	4103	102.1475 ng/ml
Norbuprenorphine	5.006	1571	101.01	103.0	96.75	6813	10.7845 ng/ml
Nordiazepam	5.900	491158	1706.40	53.8	12416.96	170392	102.1481 ng/ml
Norfentanyl	4.093	143390	441532.79	35.7	2205.25	669776	9.3328 ng/ml
Norhydrocodone	3.080	49859	147.29	41.1	180.68	45138	87.6448 ng/ml
Noroxycodone	2.930	264182	646.18	54.6	224.10	90085	101.1121 ng/ml
O-desmethyl-tramadol	3.389	1722558	47408.87	5.7	6226.40	1031302	95.1137 ng/ml
Oxazepam	5.756	684990	6681.50	71.2	6458.57	279433	109.3540 ng/ml
Oxycodone	2.848	516499	12815.24	32.5	8573.97	223681	101.0431 ng/ml
Oxymorphone	1.411	239485	∞	50.5	160.59	80417	99.0211 ng/ml
Phentermine	3.790	213746	420.34	5.8	567.47	260952	104.3648 ng/ml
Promethazine	5.552	194071	46900.88	31.4	143.36	88292	96.9621 ng/ml
Pseudoephedrine	2.603	1570856	39488.28	17.4	27126.20	785704	95.3795 ng/ml
Quetiapine	5.562	506419	59826.52	60.1	404809.71	72168	107.8810 ng/ml
Sertraline	5.789	16492	235.62	86.1	554.67	7608	86.9993 ng/ml
Temazepam	5.823	1265081	1507.20	26.2	275.51	604449	101.1427 ng/ml
Tramadol	4.259	1697536	∞	3.2	251.83	887855	101.3527 ng/ml
Trazodone	5.149	428579	502.64	80.8	41254.13	164162	103.7939 ng/ml
Venlafaxine	5.050	1278814	130444.48	32.0	3955.75	725413	94.6175 ng/ml
Zolpidem	4.914	1451683	1638.58	29.3	8140.92	721249	103.0159 ng/ml

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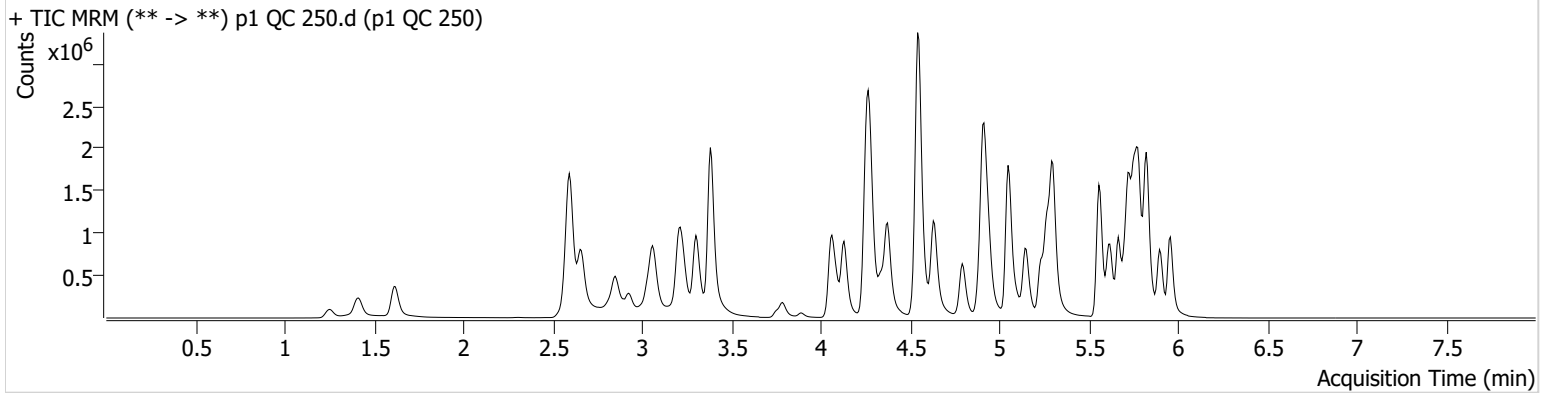


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 7:23:58 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	39682	551269.75	67.4	1296.87	45216	25.0275 ng/ml
7-aminoclonazepam	4.271	688117	12346.98	72.6	10820.56	113698	250.6100 ng/ml
a-hydroxyalprazolam	5.699	288336	3809.96	67.4	1442.93	192507	219.2106 ng/ml
alpha-PHP	4.944	414522	880.44	257.4	8071.33	297336	247.7976 ng/ml
alpha-PVP	4.376	1602842	28157.29	53.0	645.52	297336	238.0534 ng/ml
Alprazolam	5.782	1404680	1053.18	100.4	2065.34	192507	237.8166 ng/ml
Amphetamine	3.063	1510909	912.93	47.0	427.40	99434	253.1437 ng/ml
Benzoylecgonine	3.892	58790	5978.53	7.9	4997.98	8109	247.7709 ng/ml
Buprenorphine	5.812	18733	22708.97	15.0	9112.93	33614	24.6536 ng/ml
Bupropion	4.795	972220	2738.01	64.6	1288.61	145737	250.0255 ng/ml
Carisoprodol	5.730	1426767	280421.78	61.6	8319.63	261354	236.9691 ng/ml
Citalopram	5.232	895644	610.03	32.0	69774.81	160620	249.4979 ng/ml
Clonazepam	5.612	1261513	85108.55	35.3	836970.53	75351	259.6387 ng/ml
Clonazepam	5.555	871381	352700.23	39.3	401640.79	75351	256.7956 ng/ml
Cocaine	4.277	1440445	96230.08	56.6	22182.20	524861	244.9333 ng/ml
Codeine	2.593	218525	4044.71	93.4	968.36	40787	264.8079 ng/ml
Cyclobenzaprine	5.635	218956	1249616.81	7.7	129.32	40357	246.9988 ng/ml
Dextromethorphan	5.275	422672	16429.15	80.3	256.31	82808	250.3019 ng/ml
Dextrophan	4.132	599348	24580.50	214.4	588.91	276262	244.2424 ng/ml
Diazepam	5.960	973001	6515.42	92.0	10541.31	185590	255.7874 ng/ml
Dihydrocodeine	2.572	524411	1393.90	66.9	8271.42	142234	255.7602 ng/ml
Diphenhydramine	5.303	2465207	42131.16	32.0	656.57	522361	248.4183 ng/ml
Doxylamine	4.543	4552819	114676.87	95.6	142197.71	797902	257.8820 ng/ml
EDDP	5.268	1205799	434.94	40.2	94513.84	269294	247.2106 ng/ml
Etizolam	5.820	691559	16117.26	26.8	392676.58	75351	235.3813 ng/ml
Fentanyl	5.109	41385	491.60	68.7	88.28	97773	25.8136 ng/ml
Flualprazolam	5.712	547105	21617.51	111.0	13873.80	192507	249.3625 ng/ml
Fluoxetine	5.721	144681	786.75	8.5	103.51	21636	244.2415 ng/ml
Hydrocodone	3.032	713719	∞	38.8	537.53	183236	244.0882 ng/ml
Hydromorphone	1.621	682285	3559360.35	81.5	5063.68	95427	256.2150 ng/ml
Ketamine	4.059	1462616	130631.51	35.1	612.01	272804	258.0904 ng/ml
Lamotrigine	4.294	153193	3689.45	86.8	6951.54	272804	270.6715 ng/ml
Levetiracetam	2.663	809192	6125.40	141.5	830.87	706937	271.2704 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	5.753	672144	23693.67	54.8	963.13	75351	188.5421 ng/ml
MDA	3.209	1812206	6354.47	30.3	570.78	250846	247.2123 ng/ml
MDMA	3.303	1343643	11049.99	95.7	1691.96	63129	248.4045 ng/ml
Meprobamate	4.911	832560	52948.89	26.6	109447.04	224468	218.8727 ng/ml
Methadone	5.666	1004483	1841.04	64.2	998.84	188767	236.2849 ng/ml
Methamphetamine	3.238	720157	576.88	38.2	3495.49	136173	258.5061 ng/ml
Metoprolol	4.340	400899	5565.54	100.7	88004.60	796215	260.0407 ng/ml
Mirtazapine	4.631	1885207	171633.86	51.2	6584.55	297336	279.8780 ng/ml
Mitragynine	5.237	225162	28665.38	34.9	2628.54	188767	276.0739 ng/ml
Morphine	1.253	106709	1552.85	21.8	77.25	4357	239.5977 ng/ml
Norbuprenorphine	5.006	3347	2927.99	94.0	10212.32	5658	27.5285 ng/ml
Nordiazepam	5.900	1000825	62364.41	54.2	863.33	136819	259.5276 ng/ml
Norfentanyl	4.093	351092	625.15	36.6	1076.09	631595	24.1698 ng/ml
Norhydrocodone	3.080	113271	149.81	41.4	72.93	36505	243.9523 ng/ml
Noroxycodone	2.923	555044	1669.74	53.2	15326.67	76067	252.1772 ng/ml
O-desmethyl-tramadol	3.383	4197885	415541.17	5.7	1925.44	972864	245.4720 ng/ml
Oxazepam	5.756	1122982	13313.02	69.8	247.74	190310	263.9510 ng/ml
Oxycodone	2.848	1266836	1437.30	32.0	940.04	219861	252.4935 ng/ml
Oxymorphone	1.411	575989	∞	47.7	∞	73563	261.1152 ng/ml
Phentermine	3.790	435147	8348.23	5.6	285.09	217455	255.7903 ng/ml
Promethazine	5.552	466044	∞	31.5	1575.52	82904	247.7116 ng/ml
Pseudoephedrine	2.596	3650388	55619.43	17.1	411.38	706937	245.7630 ng/ml
Quetiapine	5.562	1233104	62148.37	61.4	58541.40	73370	259.3277 ng/ml
Sertraline	5.789	44267	678.56	89.0	1956.33	7476	236.4876 ng/ml
Temazepam	5.823	2344858	28968.25	26.1	399.06	450391	252.0947 ng/ml
Tramadol	4.259	3883941	140427.35	3.2	413.21	796215	259.5617 ng/ml
Trazodone	5.149	1169011	49847.84	80.7	1439.76	183600	253.7774 ng/ml
Venlafaxine	5.050	3021757	206236.13	31.7	2758.49	664357	243.5525 ng/ml
Zolpidem	4.914	3655289	1112.62	28.3	20381.29	722128	259.5792 ng/ml

*Outside Curve Range

AG

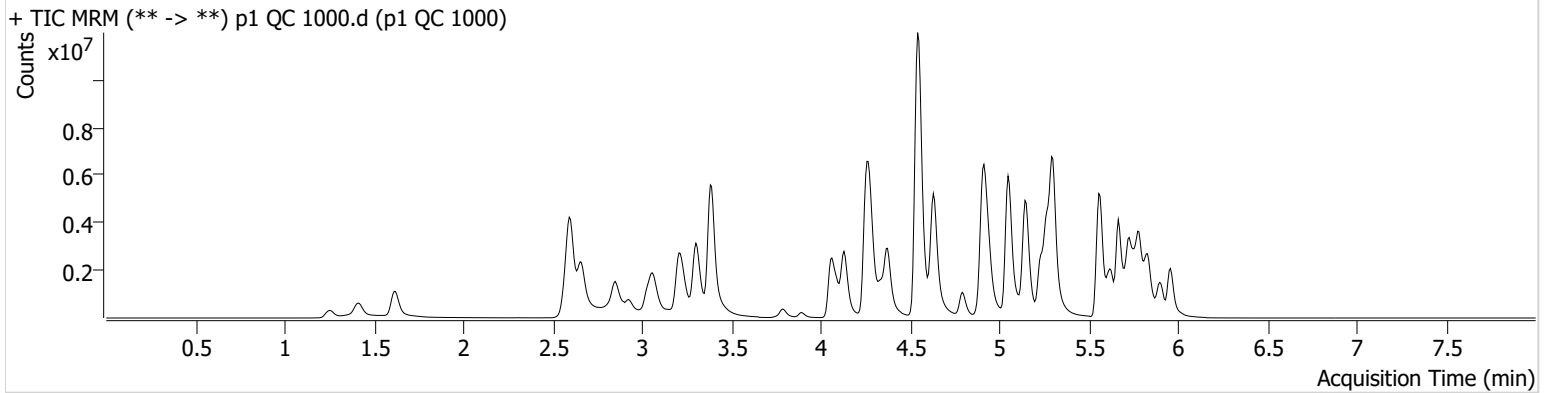


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 7:45:13 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	155557	7212.97	67.5	887.49	42672	103.9544 ng/ml
* 7-aminoclonazepam	4.271	1345485	1339.65	72.3	1081.93	72232	773.0311 ng/ml
* a-hydroxyalprazolam	5.692	419045	639.50	68.6	354.59	115682	532.2490 ng/ml
alpha-PHP	4.944	1323475	122551.22	259.1	146983.81	198957	1181.6438 ng/ml
alpha-PVP	4.376	4405812	5278.77	53.0	90999.28	198957	977.2308 ng/ml
Alprazolam	5.782	3538231	345.21	97.3	565.00	115682	995.6074 ng/ml
Amphetamine	3.063	3194751	368.42	47.3	306.11	60906	875.8190 ng/ml
Benzoylcegonine	3.892	253667	741.13	8.4	361.83	8230	1049.3464 ng/ml
Buprenorphine	5.812	65070	18325.80	14.7	7212.80	31693	91.2315 ng/ml
Bupropion	4.795	1605497	100084.77	64.4	48108.36	60200	1000.1558 ng/ml
Carisoprodol	5.730	2779151	2545588.37	59.7	14743.16	118613	1013.7279 ng/ml
Citalopram	5.232	3696873	72198.45	32.2	123204.68	159387	1037.3807 ng/ml
Clonazepam	5.612	2606815	70340.87	35.9	1402056.08	44263	915.4415 ng/ml
* Clonazepam	5.562	1525850	7995.73	39.4	717869.12	44263	767.1675 ng/ml
Cocaine	4.277	4527292	599525.26	55.6	101795.90	403697	1001.2484 ng/ml
Codeine	2.593	589248	2096.33	90.8	158.31	32789	889.9856 ng/ml
Cyclobenzaprine	5.635	1222035	33435.11	7.8	3679.32	54512	1014.4880 ng/ml
Dextromethorphan	5.275	1650629	47284.53	78.3	82355.56	79098	1023.9239 ng/ml
Dextrophan	4.132	2186075	64101.11	216.8	212473.94	238645	1030.4750 ng/ml
Diazepam	5.960	2567044	10190.40	91.2	8254.56	130009	963.8218 ng/ml
* Dihydrocodeine	2.565	1662665	19159.60	69.3	36460.14	143740	803.0950 ng/ml
Diphenhydramine	5.303	10708887	251453.39	31.4	8554.72	522056	1079.4708 ng/ml
Doxylamine	4.543	17980668	13905.54	96.2	326716.70	815303	996.5486 ng/ml
EDDP	5.268	4966676	140223.34	39.8	151881.70	260977	1050.5374 ng/ml
Etizolam	5.820	1866361	10530.28	26.6	36542.18	44263	1079.3818 ng/ml
Fentanyl	5.109	253315	5482.79	67.8	1313.29	144190	107.1973 ng/ml
Flualprazolam	5.712	1204336	3465.72	117.4	57671.06	115682	915.3270 ng/ml
Fluoxetine	5.727	605997	72580.13	8.6	102719.13	21000	1052.4639 ng/ml
Hydrocodone	3.032	2548580	959.51	39.6	∞	171898	930.2716 ng/ml
Hydromorphone	1.621	2346824	21561836.10	83.4	8089790.94	82027	1024.9543 ng/ml
Ketamine	4.059	4942215	492227.69	34.3	19741.63	240336	991.0282 ng/ml
* Lamotrigine	4.294	391583	3397.29	87.1	32860.35	240336	786.7478 ng/ml
Levetiracetam	2.663	2370419	104716.99	144.1	1875.31	520454	1079.7902 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	5.753	795560	78999.48	55.3	2543.33	44263	383.3428 ng/ml
MDA	3.209	5249028	8736.52	29.7	2433.53	198313	907.1389 ng/ml
MDMA	3.303	4896394	240241.54	96.1	2788.48	58172	982.0121 ng/ml
* Meprobamate	4.911	1530409	47915.35	26.2	6594.80	160096	565.5894 ng/ml
Methadone	5.666	5036781	1162.75	63.0	65614.65	224248	993.9533 ng/ml
Methamphetamine	3.238	1308389	2396.49	37.9	11077.35	68597	936.4248 ng/ml
Metoprolol	4.340	1278543	2196281.24	100.3	765.28	695635	951.0863 ng/ml
* Mirtazapine	4.631	9181223	19313.81	49.4	135170.06	198957	2031.5395 ng/ml
Mitragynine	5.237	849758	576.68	36.1	209630.53	224248	880.0054 ng/ml
Morphine	1.253	365689	1048.57	21.5	798.22	3895	917.6064 ng/ml
Norbuprenorphine	5.006	13364	9380.97	96.9	16542.37	6302	98.4685 ng/ml
Nordiazepam	5.906	2027367	6637.73	53.7	1073.68	80831	890.3523 ng/ml
* Norfentanyl	4.093	1428028	49385.54	36.9	164.14	537885	115.2865 ng/ml
Norhydrocodone	3.080	439378	291.83	41.3	∞	29267	1175.5642 ng/ml
Noroxycodone	2.923	1394648	2832.07	52.7	909.90	50654	952.6322 ng/ml
O-desmethyl-tramadol	3.383	14937722	∞	5.5	25727.46	823749	1031.1102 ng/ml
Oxazepam	5.756	1210296	10238.34	70.8	15710.98	56720	955.8162 ng/ml
Oxycodone	2.848	4580200	∞	32.1	1248.51	208682	962.4541 ng/ml
Oxymorphone	1.411	1693161	∞	54.7	277.03	64228	880.2334 ng/ml
Phentermine	3.790	997309	∞	5.9	3199.71	135023	945.6816 ng/ml
Promethazine	5.552	2377727	68115.31	30.8	671.57	106503	983.2662 ng/ml
Pseudoephedrine	2.603	11312061	181152.49	16.5	208840.16	520454	1033.2984 ng/ml
Quetiapine	5.562	5616773	757.41	63.1	21372.32	98244	883.7987 ng/ml
Sertraline	5.796	209845	12120.25	88.0	6282.94	8320	1005.0999 ng/ml
Temazepam	5.830	3686934	68440.49	26.0	21236.00	184692	967.5694 ng/ml
Tramadol	4.252	12749632	1954.30	3.1	∞	695635	976.9846 ng/ml
Trazodone	5.142	7449151	340362.51	81.5	579730.53	305362	973.5489 ng/ml
Venlafaxine	5.050	12141629	3846.47	30.0	843.73	609403	1065.6391 ng/ml
Zolpidem	4.914	12626755	598508.13	26.9	93741.77	692678	935.6741 ng/ml

*Outside Curve Range

29

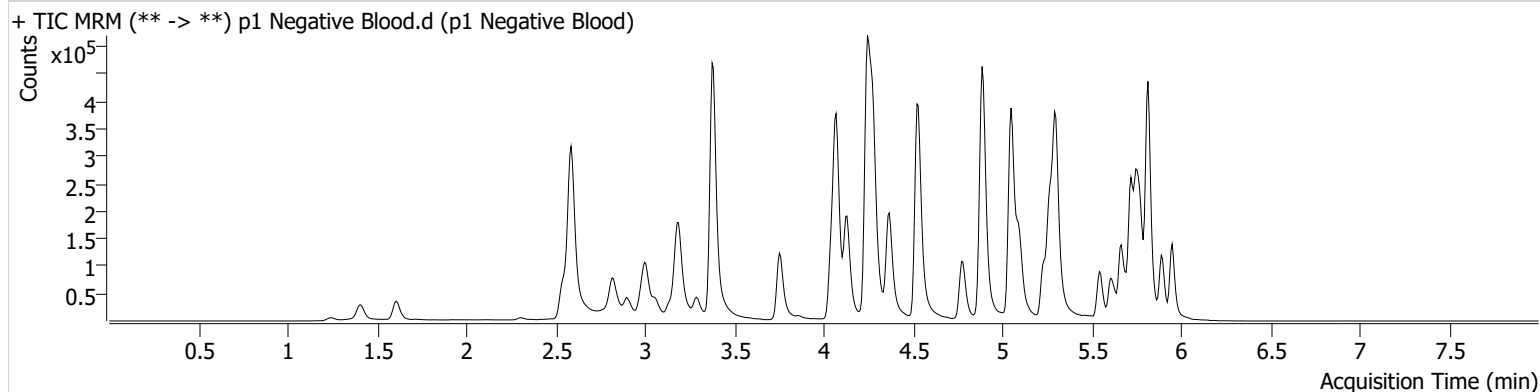


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 8:17:04 PM		
Sample Info.			

Sample Chromatogram



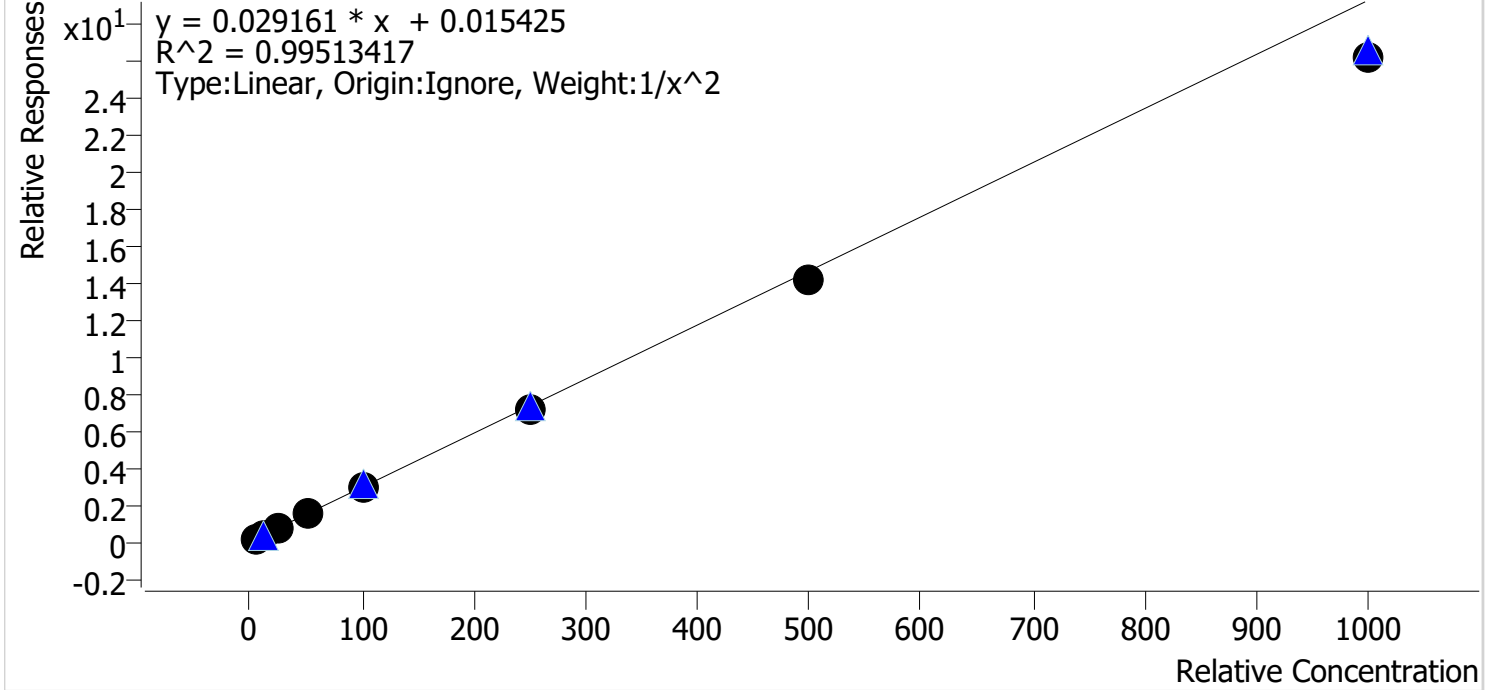
79



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng	4	✓	50.0	54.0	108.1
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	244.2	97.7
p1 Cal 7-500ng	7	✓	500.0	483.3	96.7
p1 Cal 8-1000ng	8	✓	1000.0	893.9	89.4

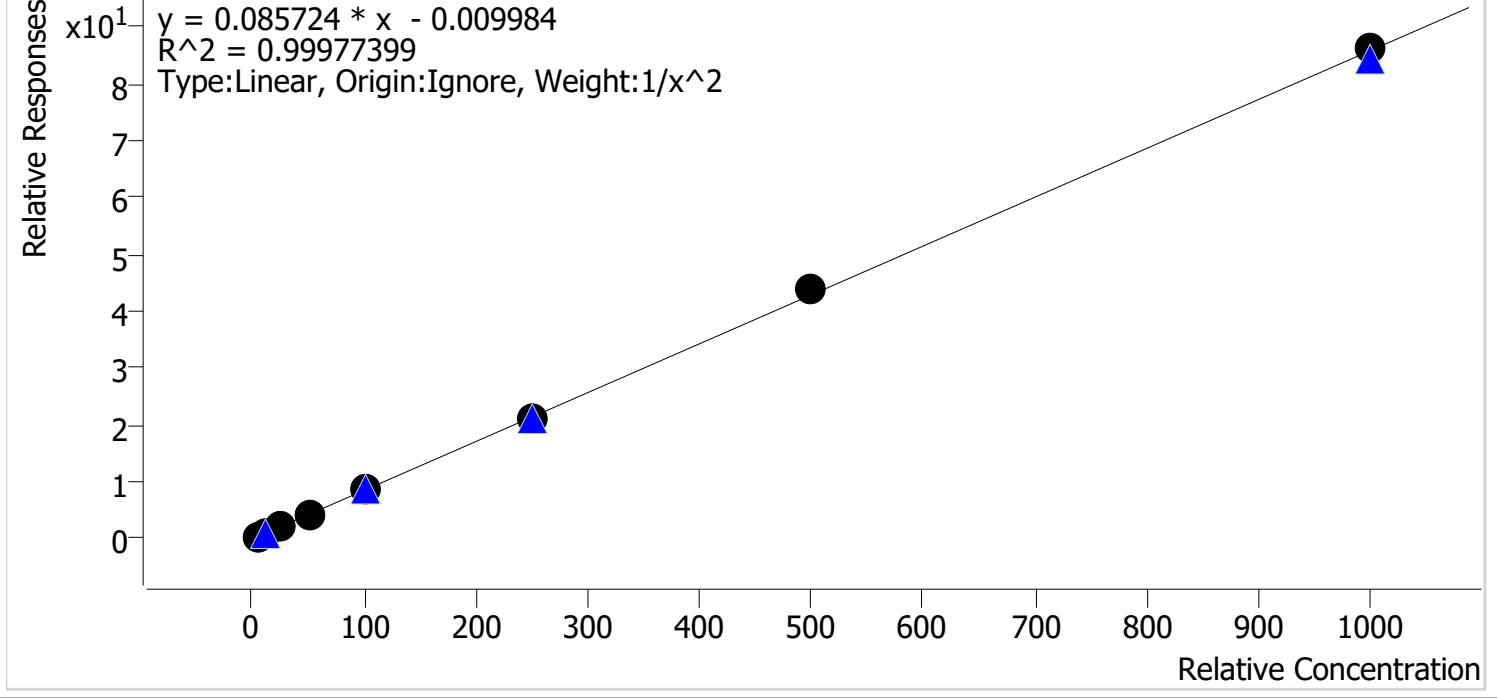
28



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte MDMA **Internal Standard** MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	509.0	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1004.3	100.4

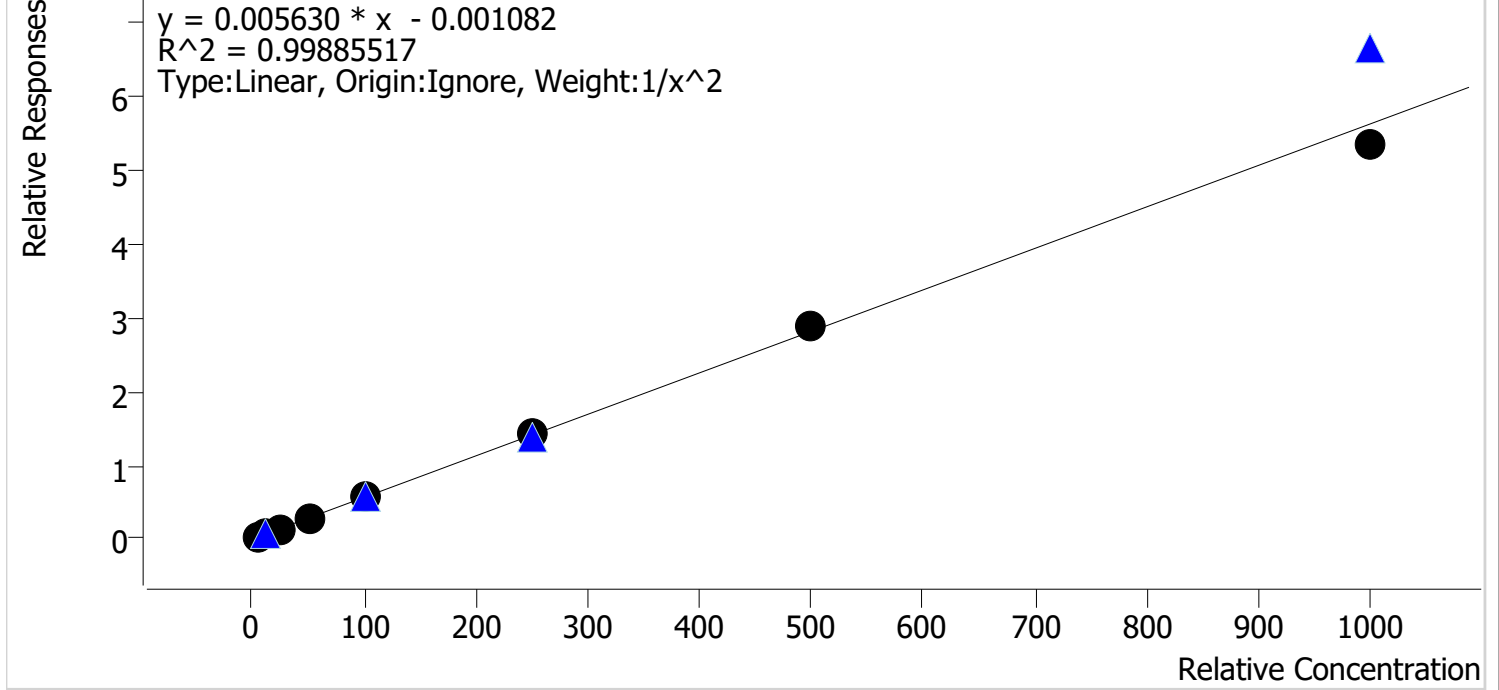
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

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



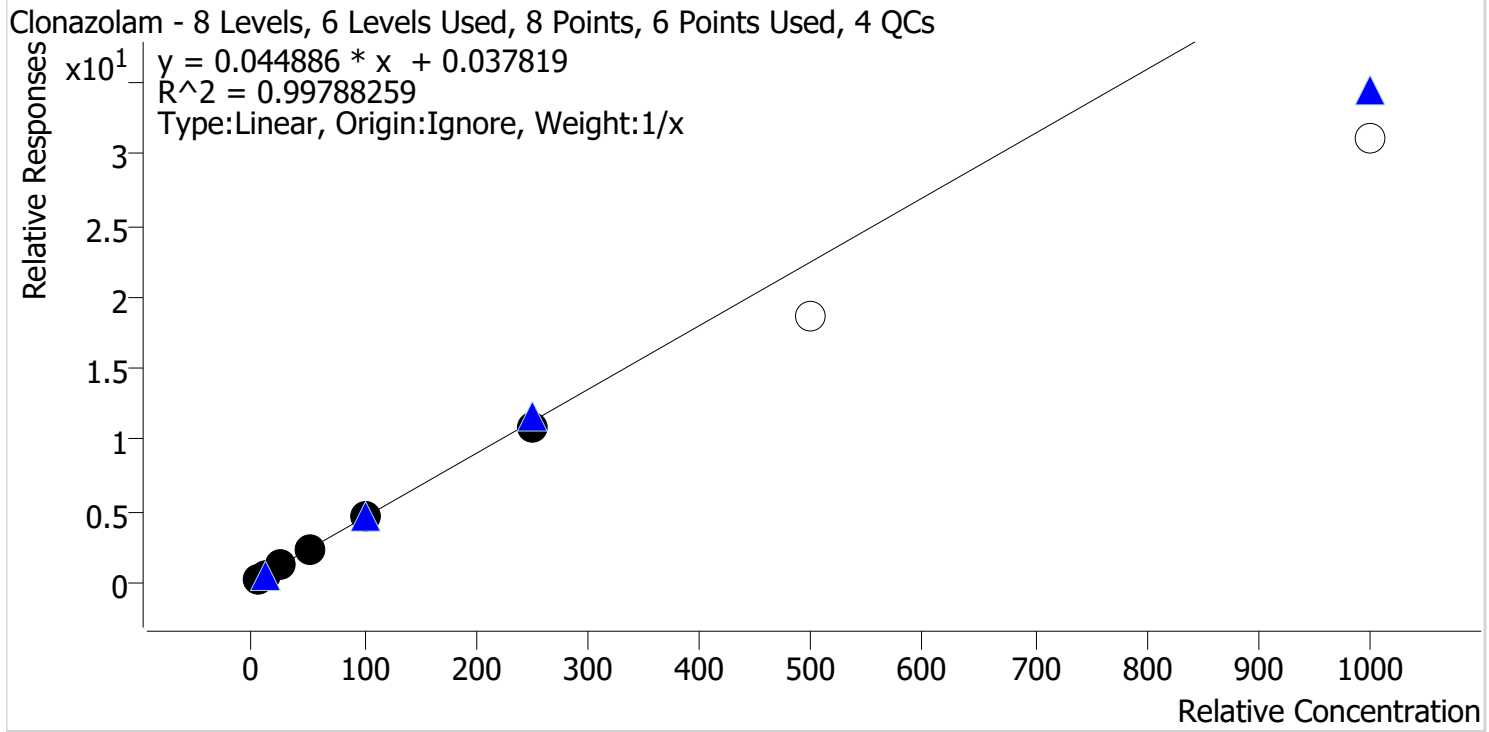
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	517.2	103.4
p1 Cal 8-1000ng	8	✓	1000.0	946.7	94.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Clonazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.4	88.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.9
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	242.2	96.9
p1 Cal 7-500ng	7	x	500.0	416.1	83.2
p1 Cal 8-1000ng	8	x	1000.0	693.1	69.3

Cal 7 and 8 dropped due to accuracy

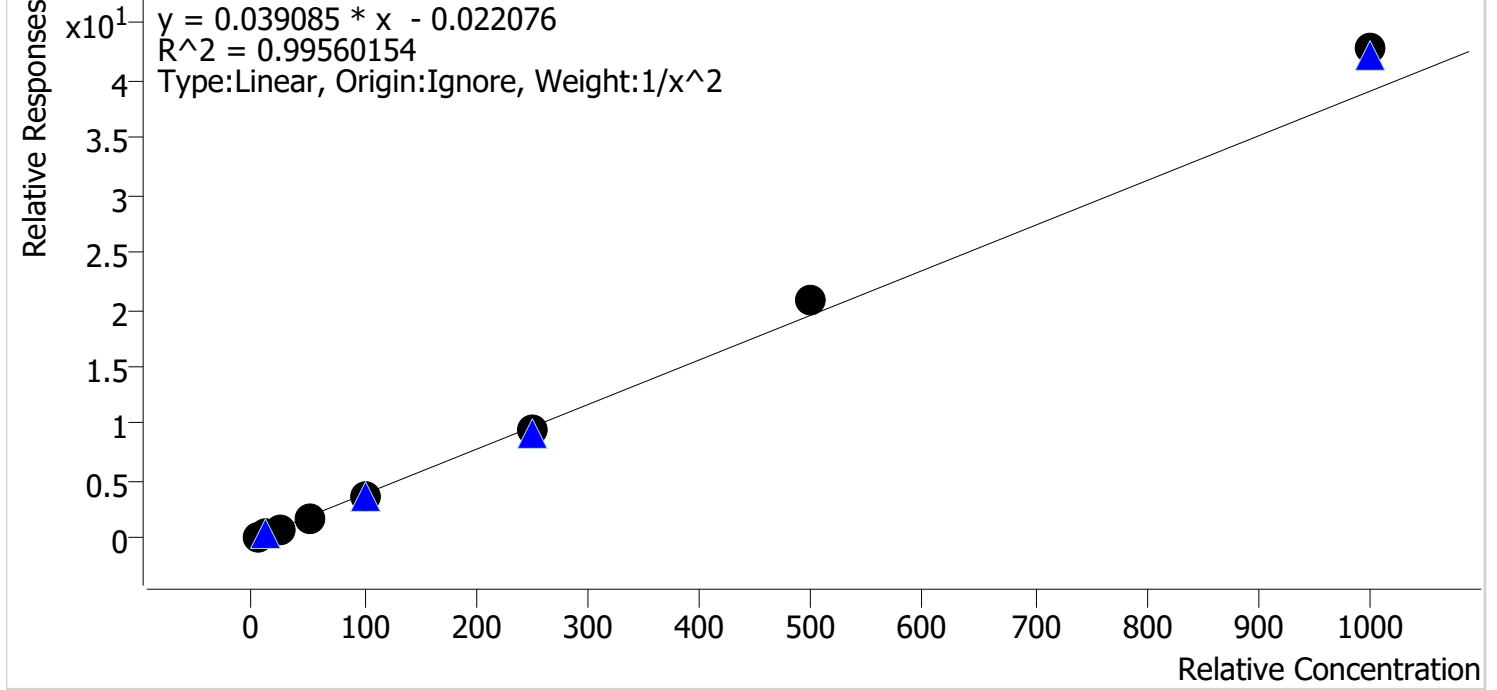
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Etizolam **Internal Standard** Clonazepam-D4

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



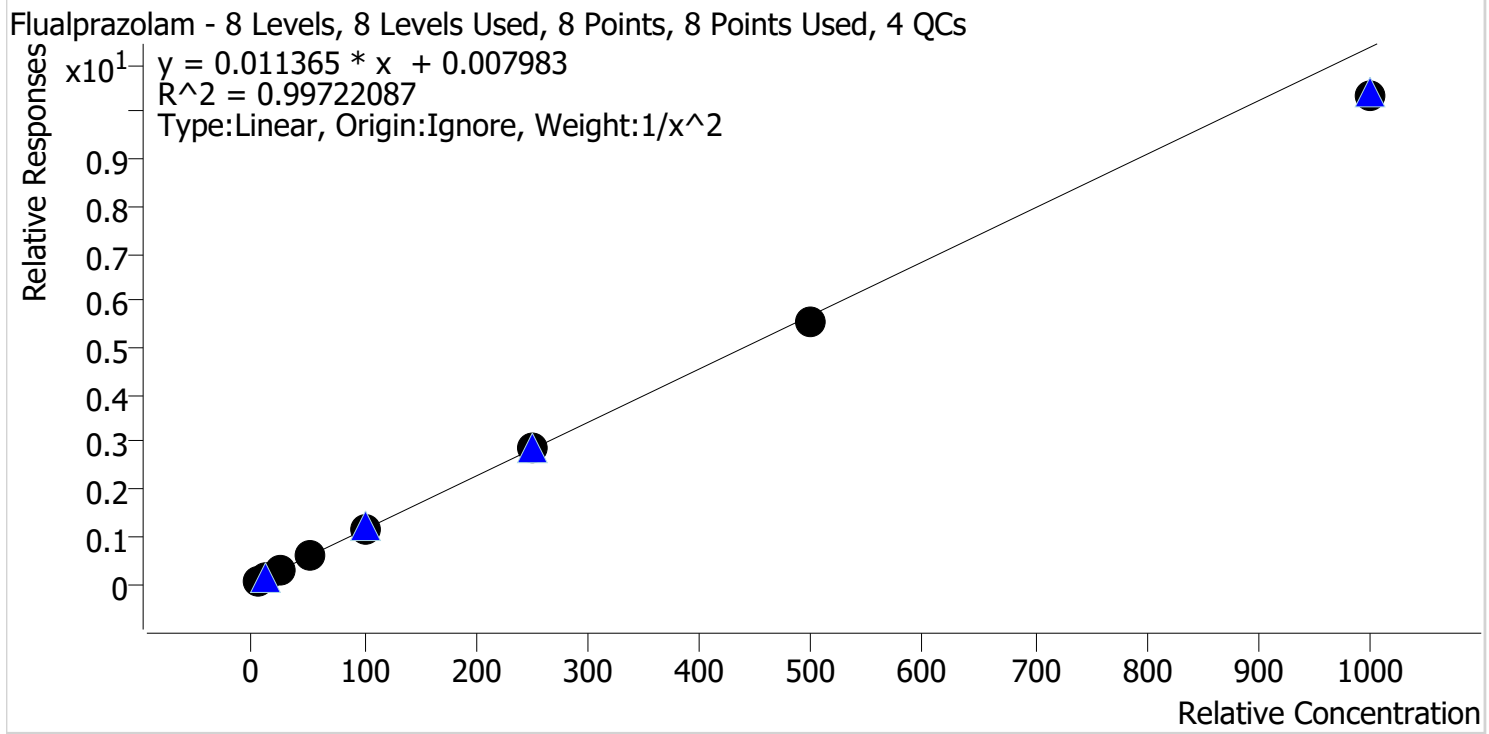
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	46.5	93.0
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	532.0	106.4
p1 Cal 8-1000ng	8	✓	1000.0	1095.0	109.5

AS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



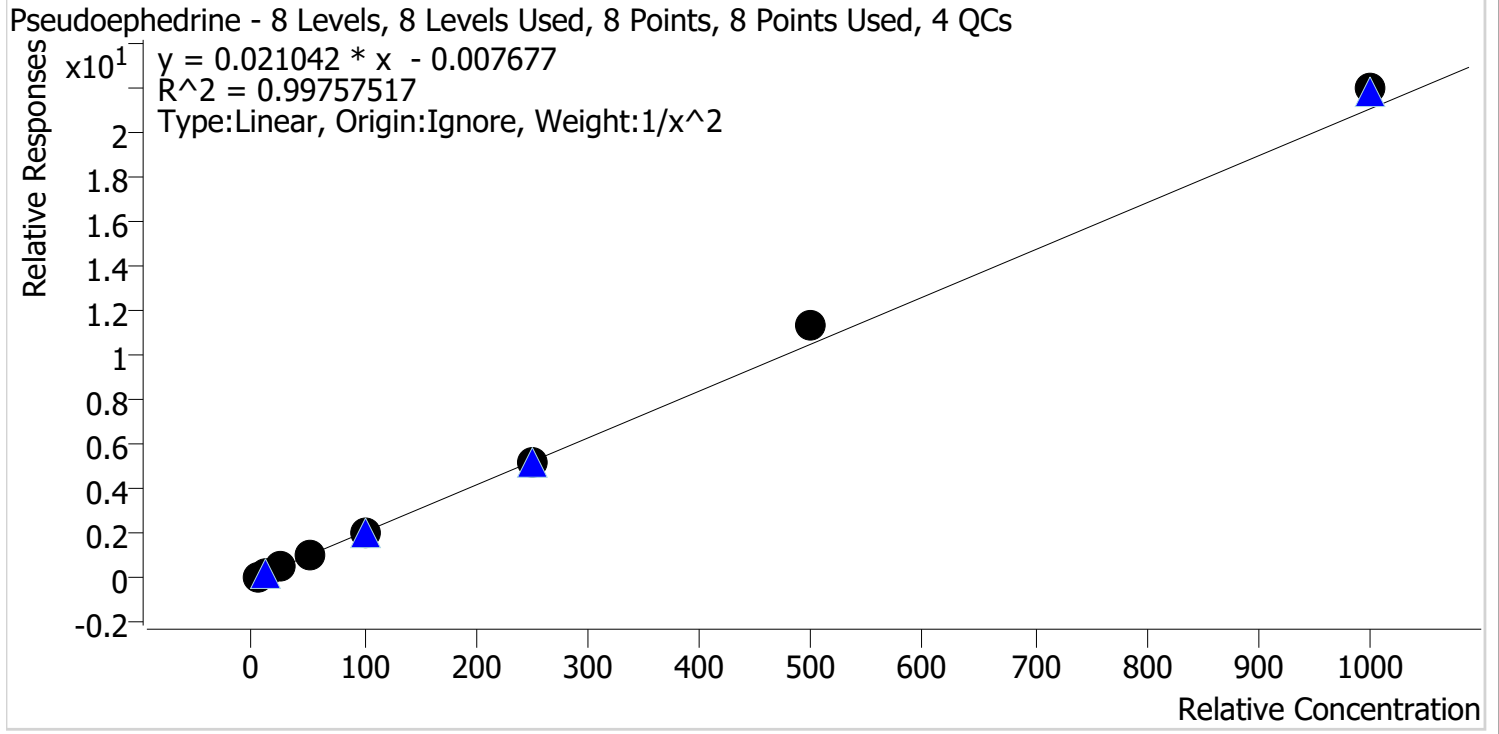
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	486.1	97.2
p1 Cal 8-1000ng	8	✓	1000.0	908.5	90.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	48.1	96.1
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	538.1	107.6
p1 Cal 8-1000ng	8	✓	1000.0	1043.1	104.3

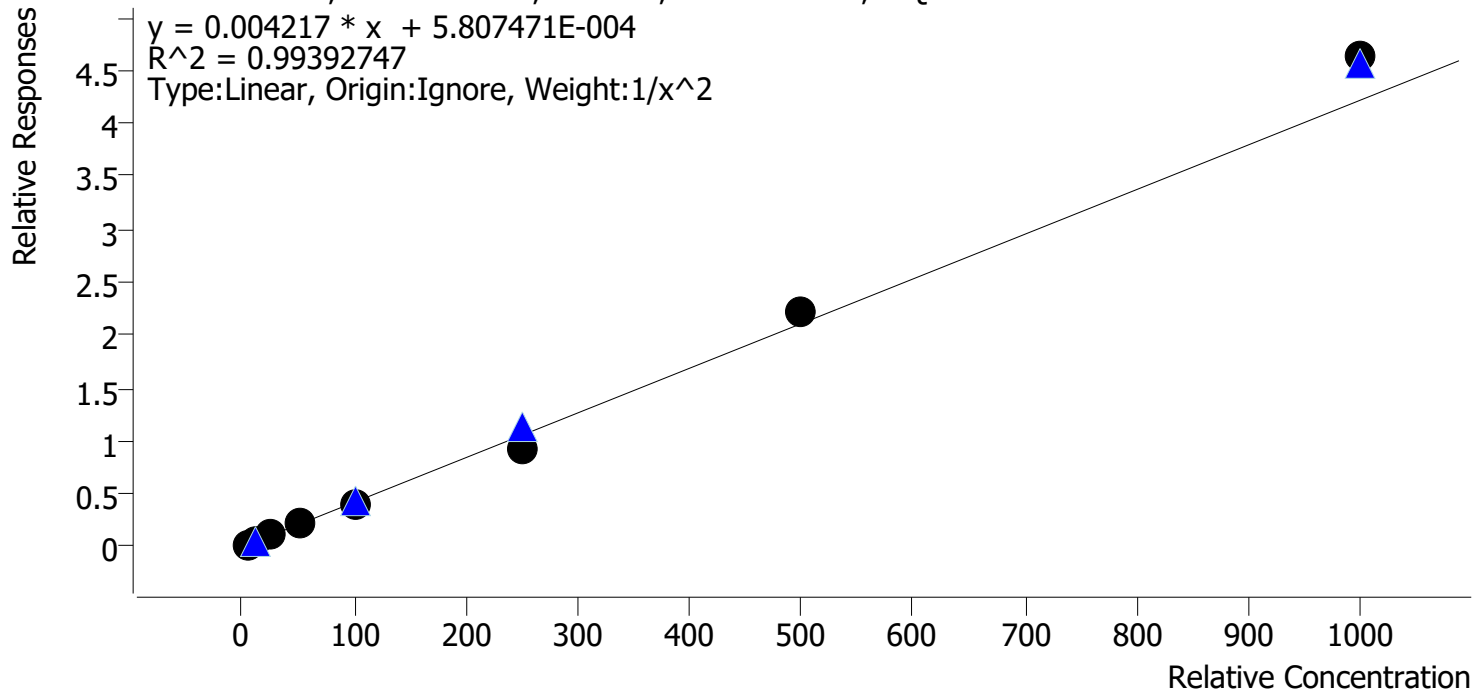
AS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	93.4	93.4
p1 Cal 6-250ng	6	✓	250.0	222.9	89.2
p1 Cal 7-500ng	7	✓	500.0	525.0	105.0
p1 Cal 8-1000ng	8	✓	1000.0	1097.7	109.8

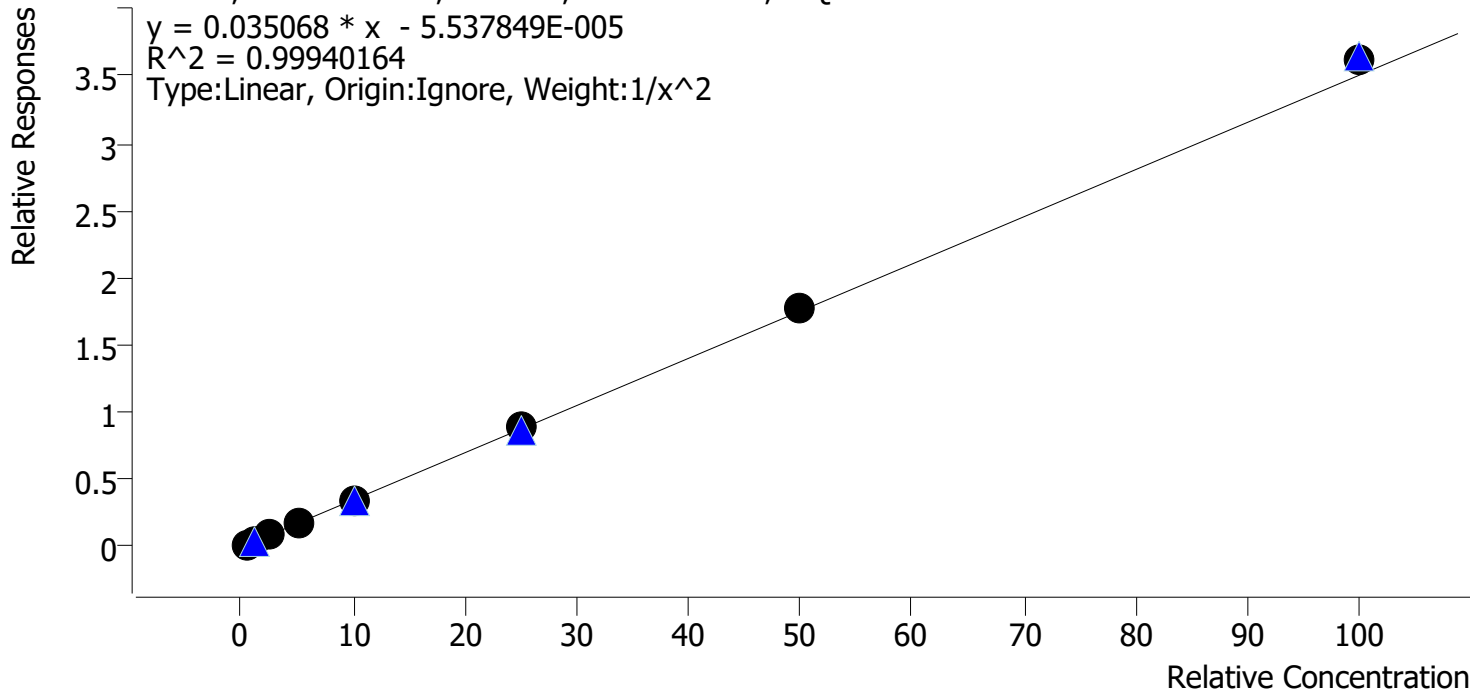
28



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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



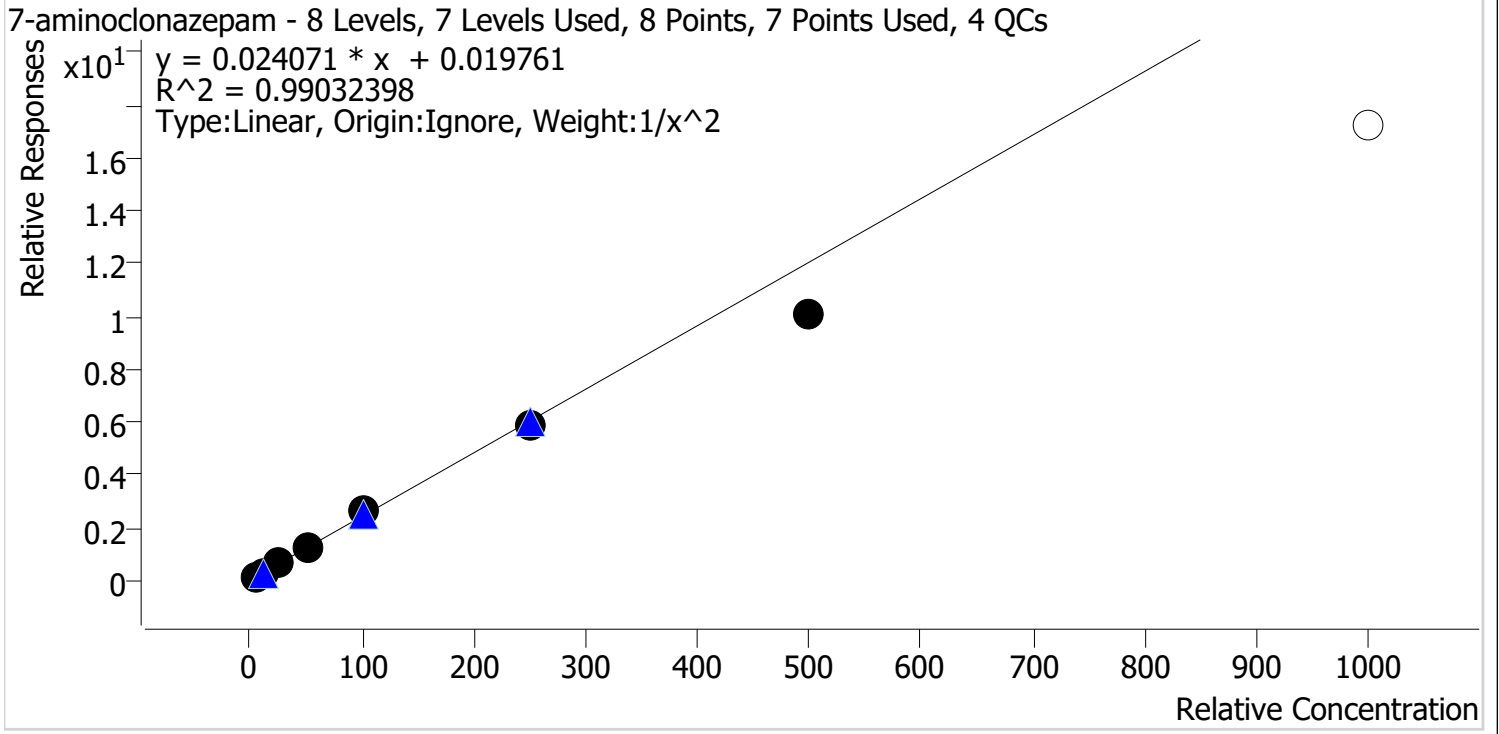
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.3
p1 Cal 2-10ng	2	✓	1.0	1.0	101.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.7
p1 Cal 4-50ng	4	✓	5.0	4.9	97.4
p1 Cal 5-100ng	5	✓	10.0	9.8	97.9
p1 Cal 6-250ng	6	✓	25.0	25.3	101.2
p1 Cal 7-500ng	7	✓	50.0	50.6	101.2
p1 Cal 8-1000ng	8	✓	100.0	103.3	103.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.7
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	243.3	97.3
p1 Cal 7-500ng	7	✓	500.0	419.3	83.9
p1 Cal 8-1000ng	8	✗	1000.0	714.8	71.5

Cal 8 dropped due to accuracy

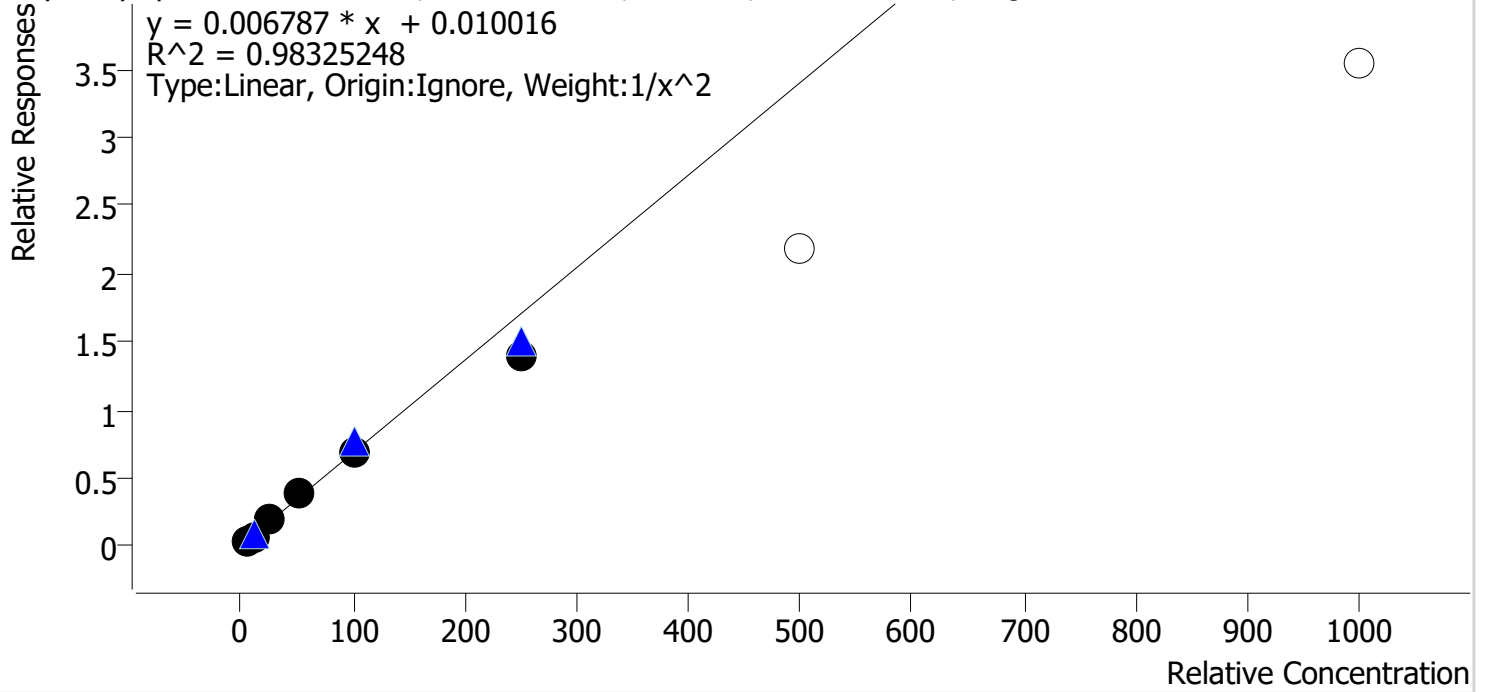
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.5
p1 Cal 4-50ng	4	✓	50.0	55.3	110.7
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	205.0	82.0
p1 Cal 7-500ng	7	✗	500.0	318.8	63.8
p1 Cal 8-1000ng	8	✗	1000.0	520.3	52.0

Cal 7 and 8 dropped due to accuracy

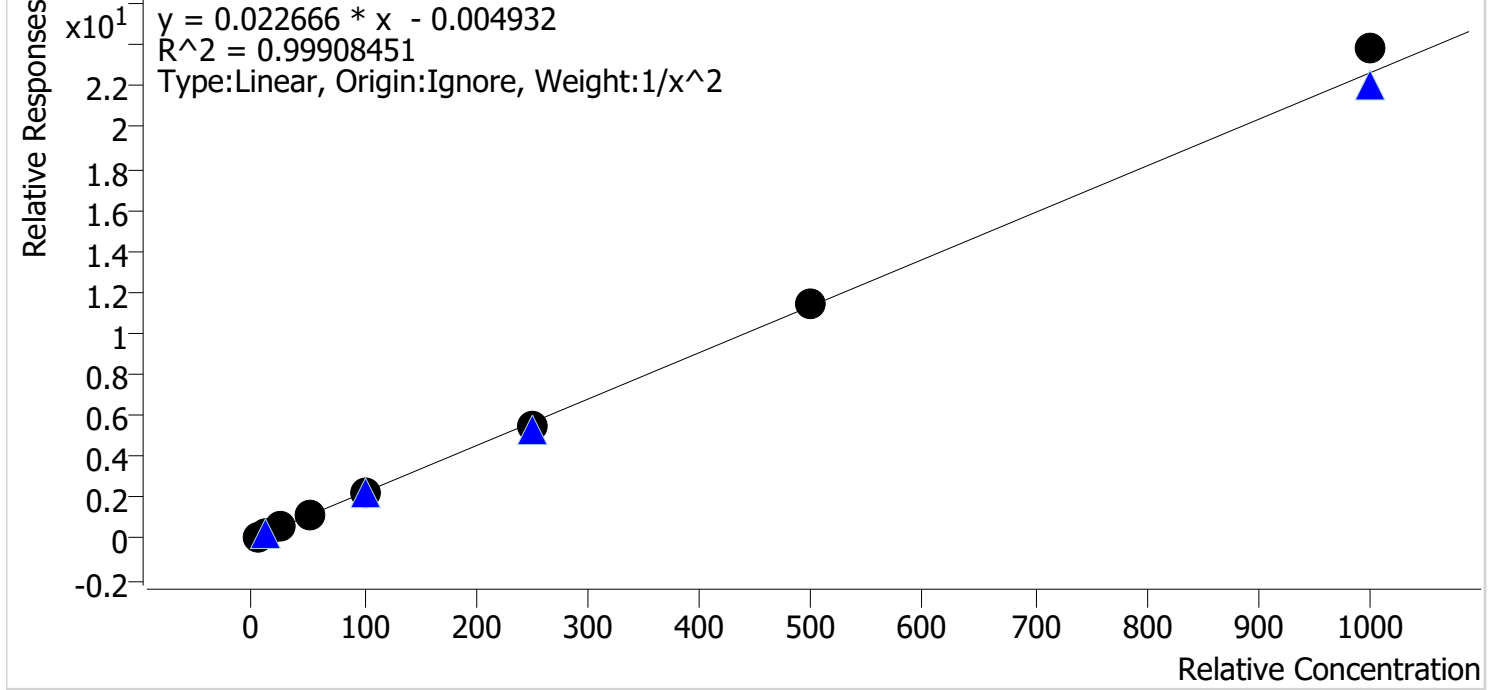
791



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
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	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	243.9	97.6
p1 Cal 7-500ng	7	✓	500.0	507.8	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1051.9	105.2

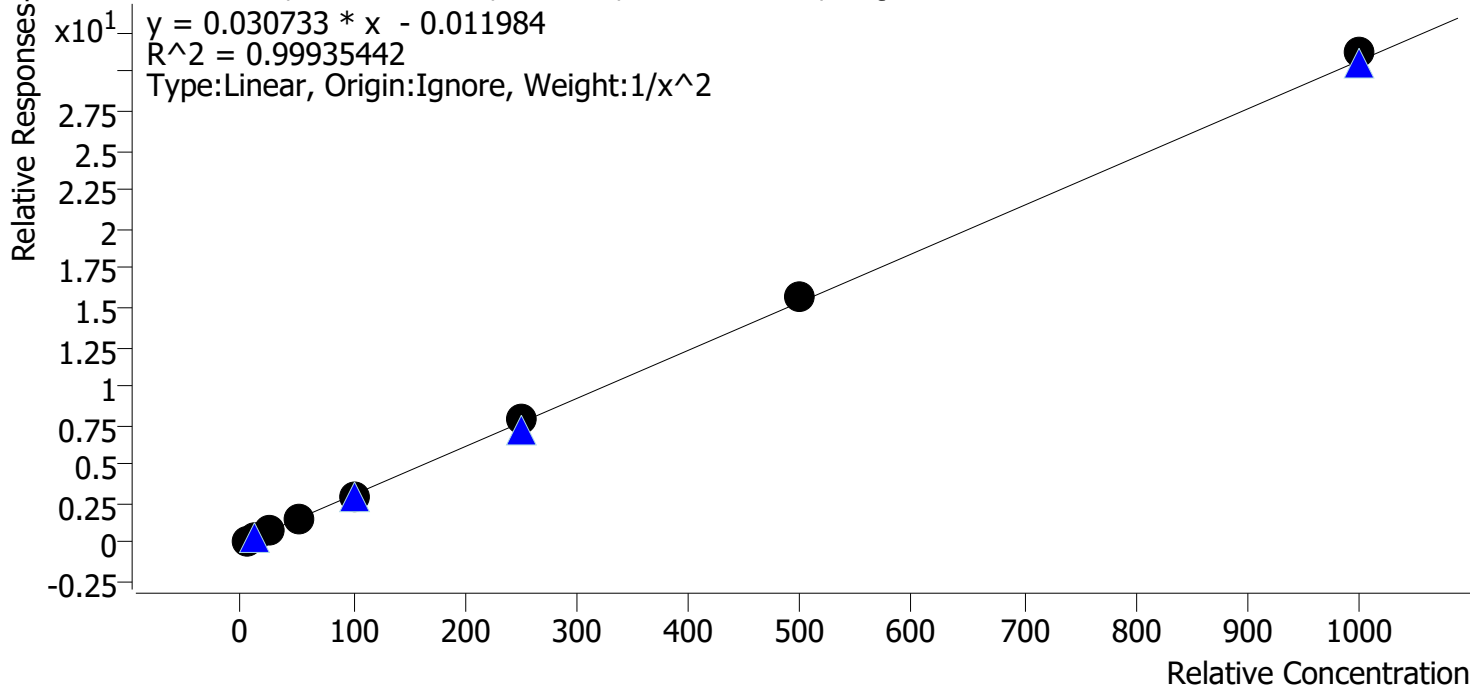
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.6
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	512.3	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1017.0	101.7

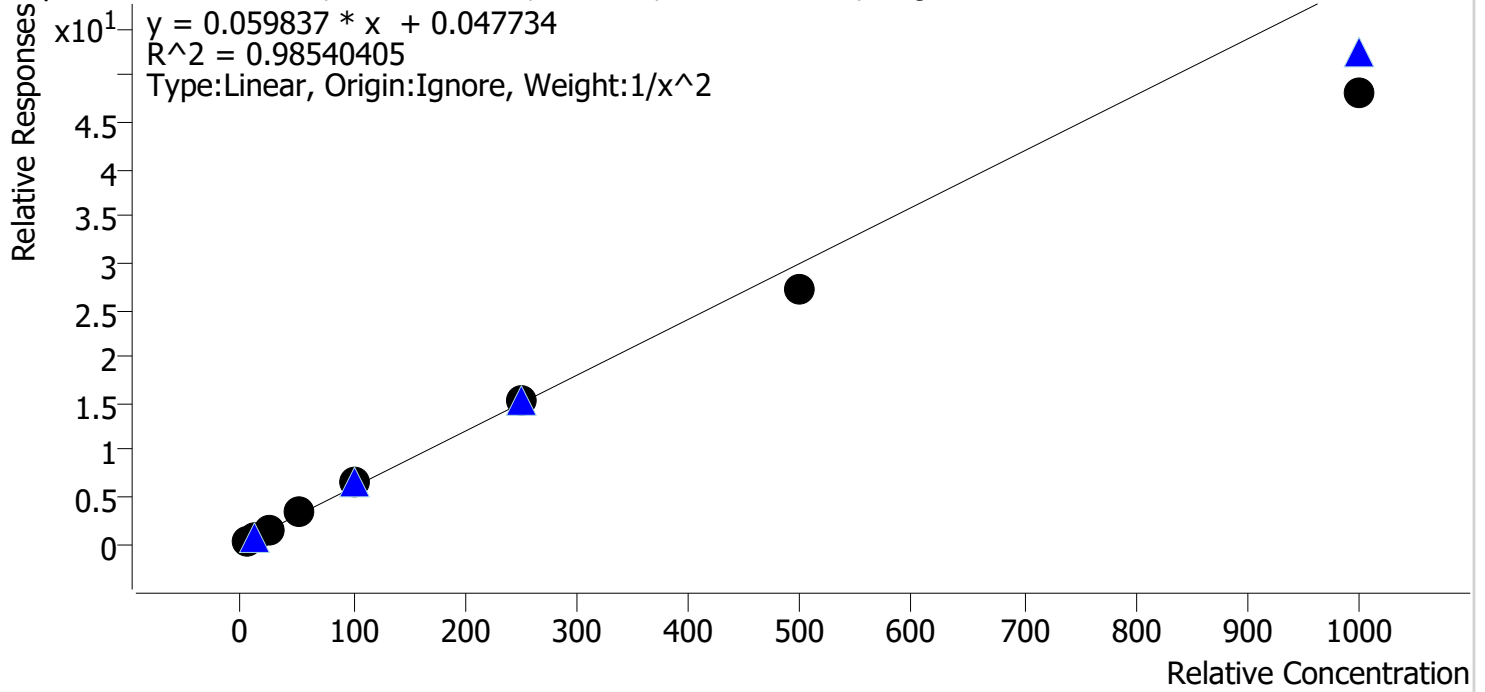
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



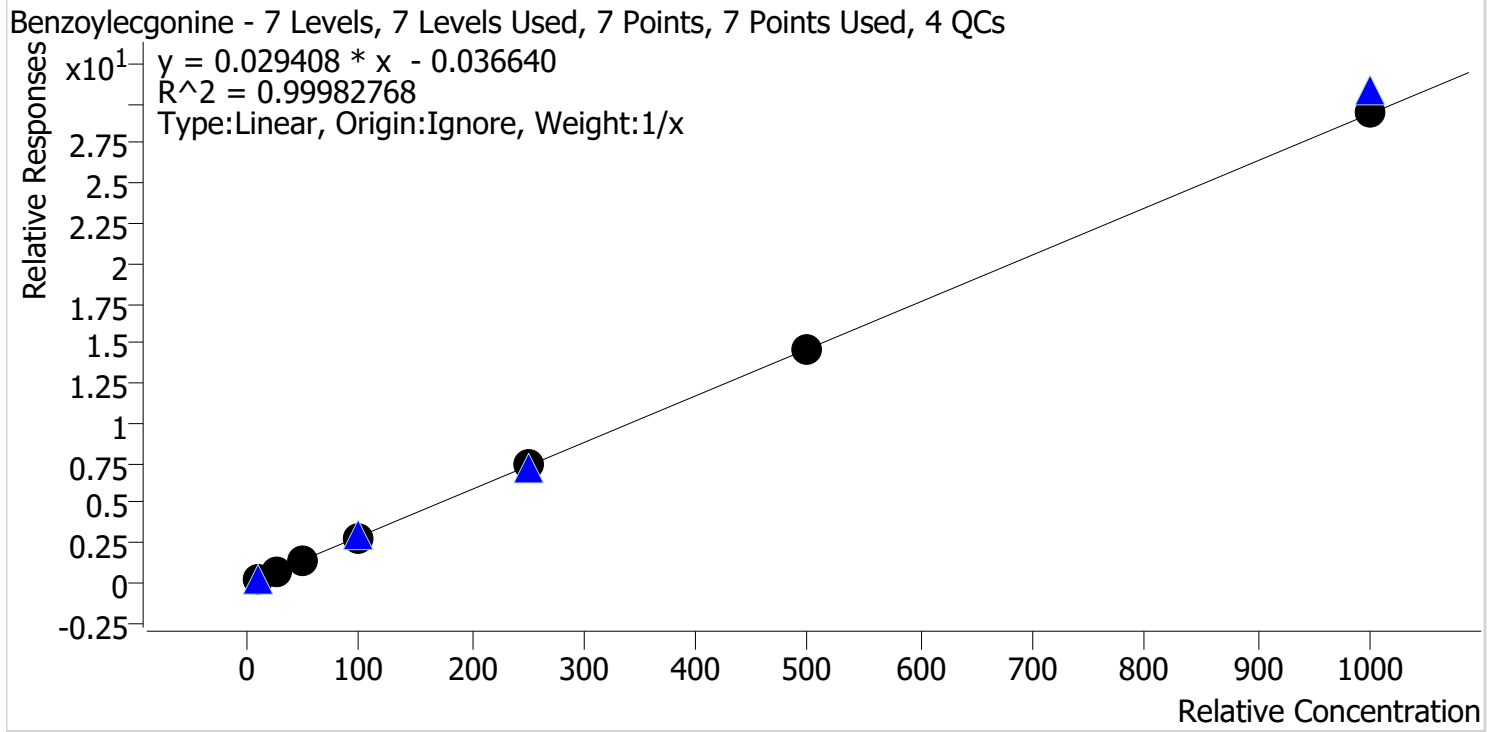
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.8
p1 Cal 4-50ng	4	✓	50.0	56.3	112.6
p1 Cal 5-100ng	5	✓	100.0	110.5	110.5
p1 Cal 6-250ng	6	✓	250.0	251.9	100.7
p1 Cal 7-500ng	7	✓	500.0	455.8	91.2
p1 Cal 8-1000ng	8	✓	1000.0	806.2	80.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	496.2	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1006.9	100.7

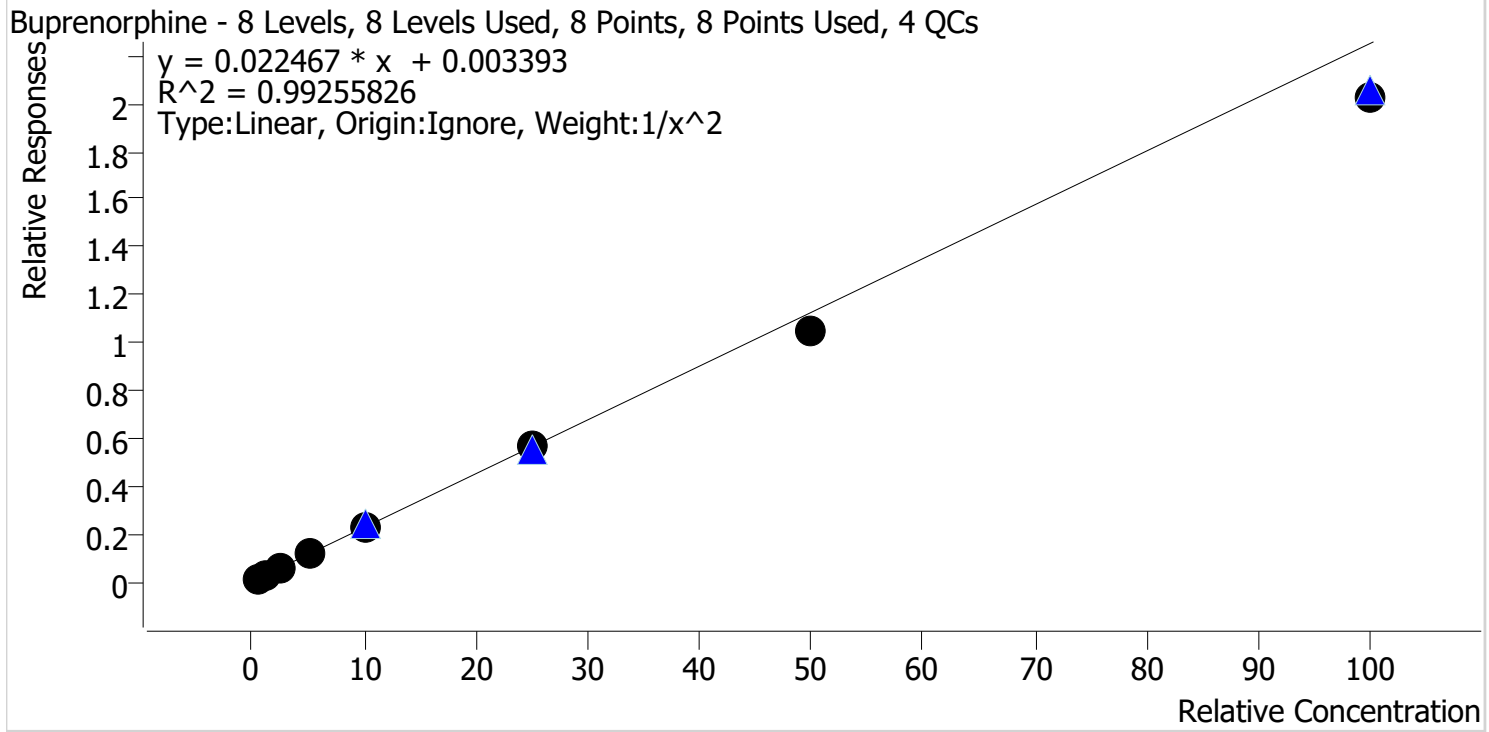
Cal 1 dropped due to S/N and ratio

AS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	93.1
p1 Cal 2-10ng	2	✓	1.0	1.1	110.4
p1 Cal 3 -25ng	3	✓	2.5	2.6	104.7
p1 Cal 4-50ng	4	✓	5.0	5.4	107.6
p1 Cal 5-100ng	5	✓	10.0	10.2	102.3
p1 Cal 6-250ng	6	✓	25.0	24.8	99.4
p1 Cal 7-500ng	7	✓	50.0	46.2	92.4
p1 Cal 8-1000ng	8	✓	100.0	90.1	90.1

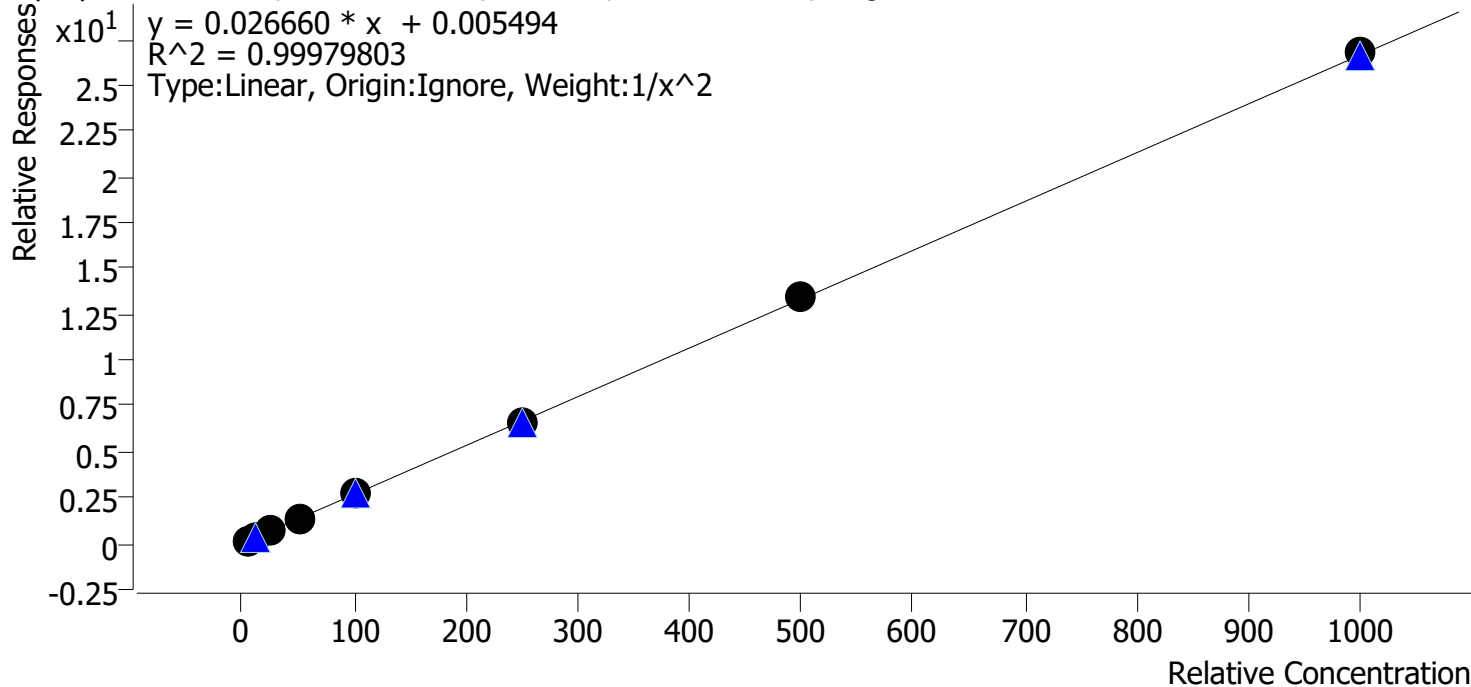
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Bupropion **Internal Standard** Bupropion-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	243.5	97.4
p1 Cal 7-500ng	7	✓	500.0	505.2	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1005.2	100.5

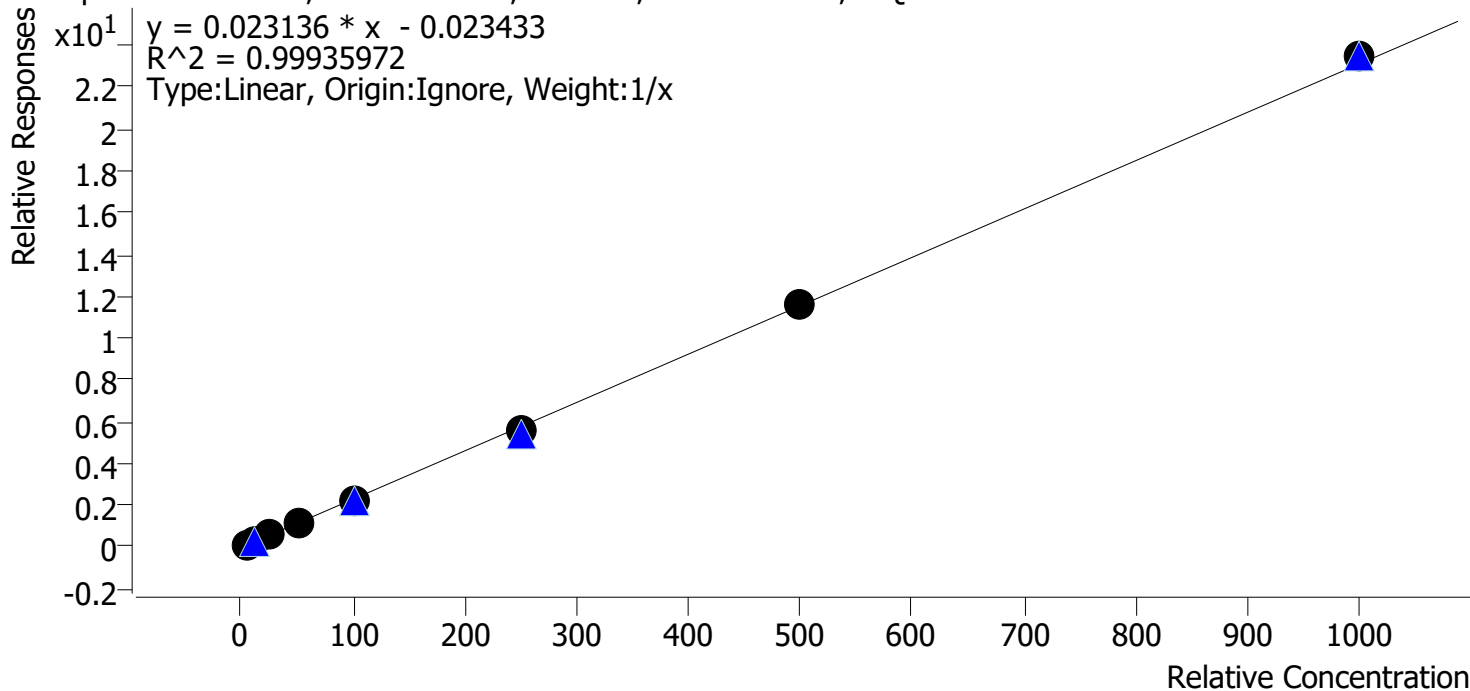
29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

Carisoprodol - 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	5.7	113.8
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	46.6	93.2
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	242.3	96.9
p1 Cal 7-500ng	7	✓	500.0	501.1	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1015.3	101.5

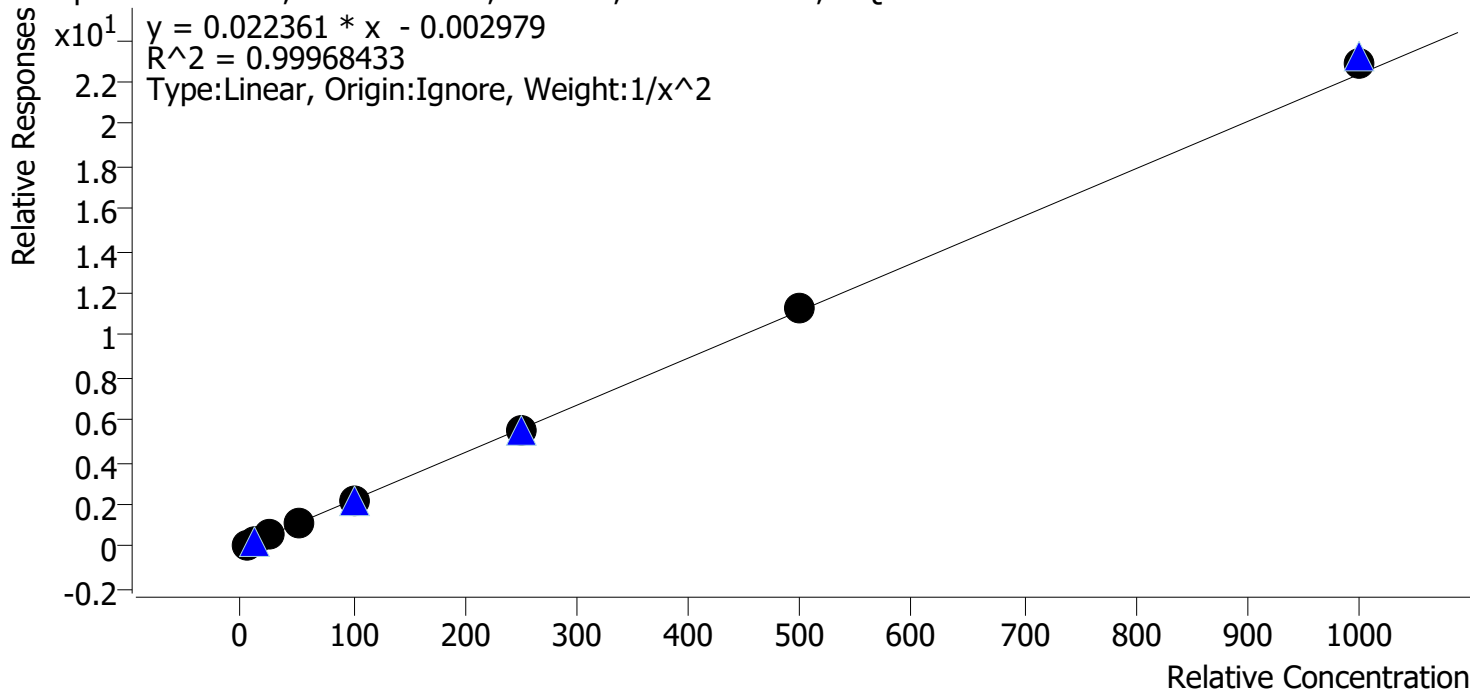
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Citalopram **Internal Standard** Citalopram-D6

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



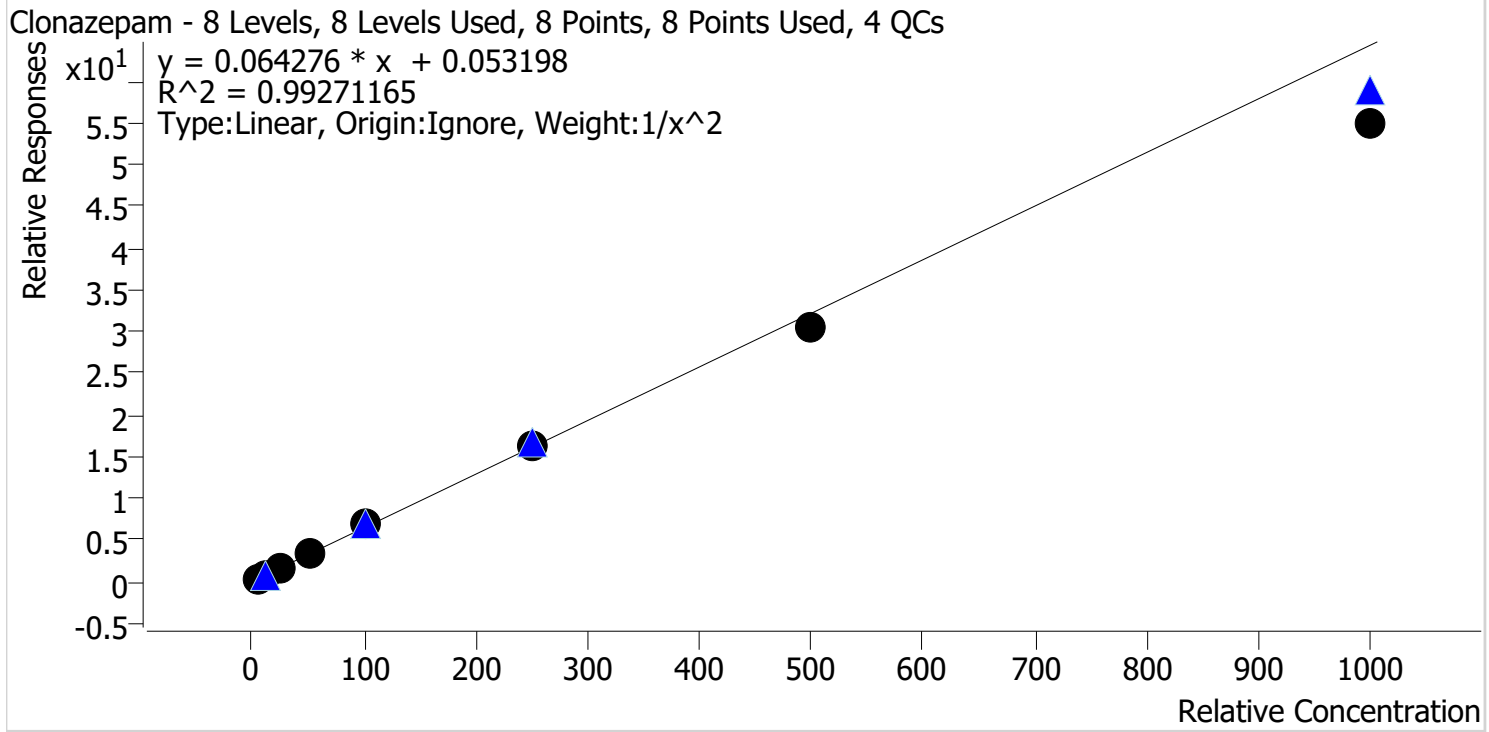
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	507.8	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1021.9	102.2

29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	473.7	94.7
p1 Cal 8-1000ng	8	✓	1000.0	857.6	85.8

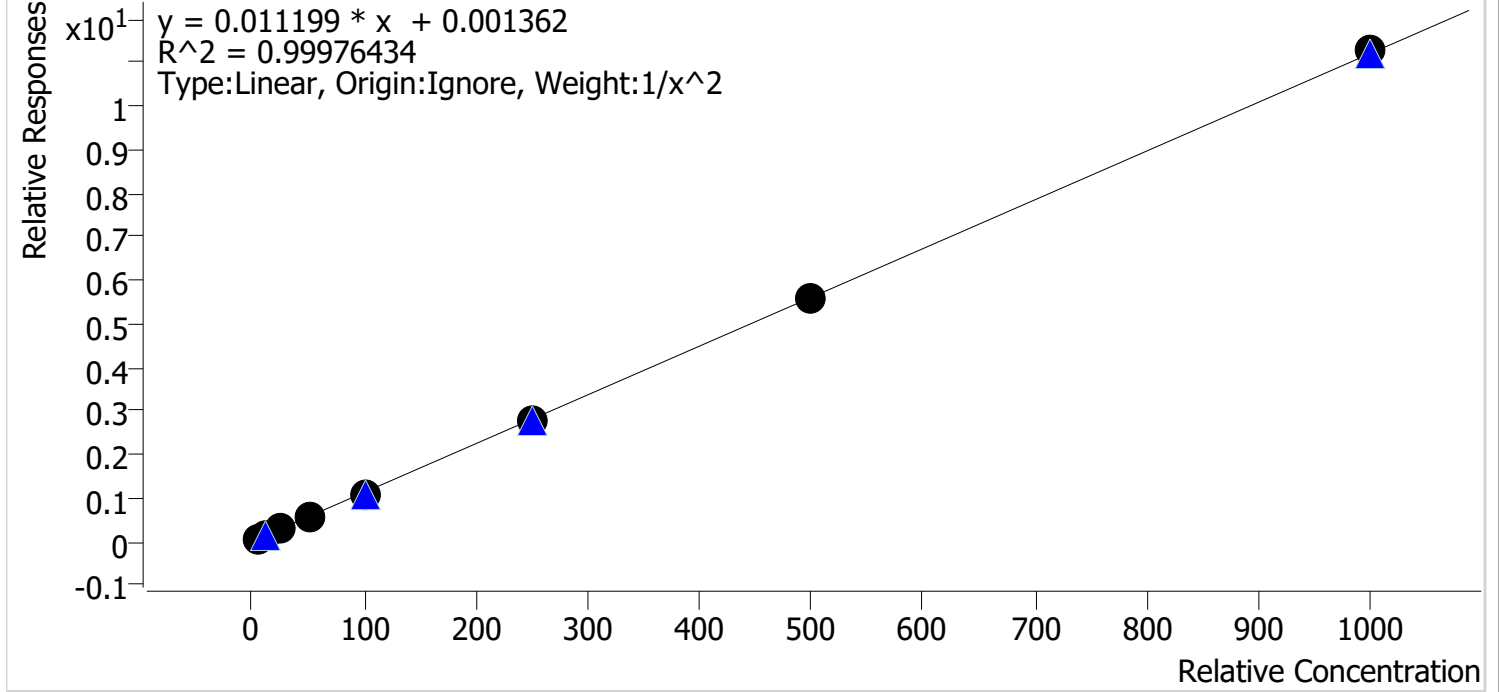
29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
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	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	49.9	99.7
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1006.1	100.6

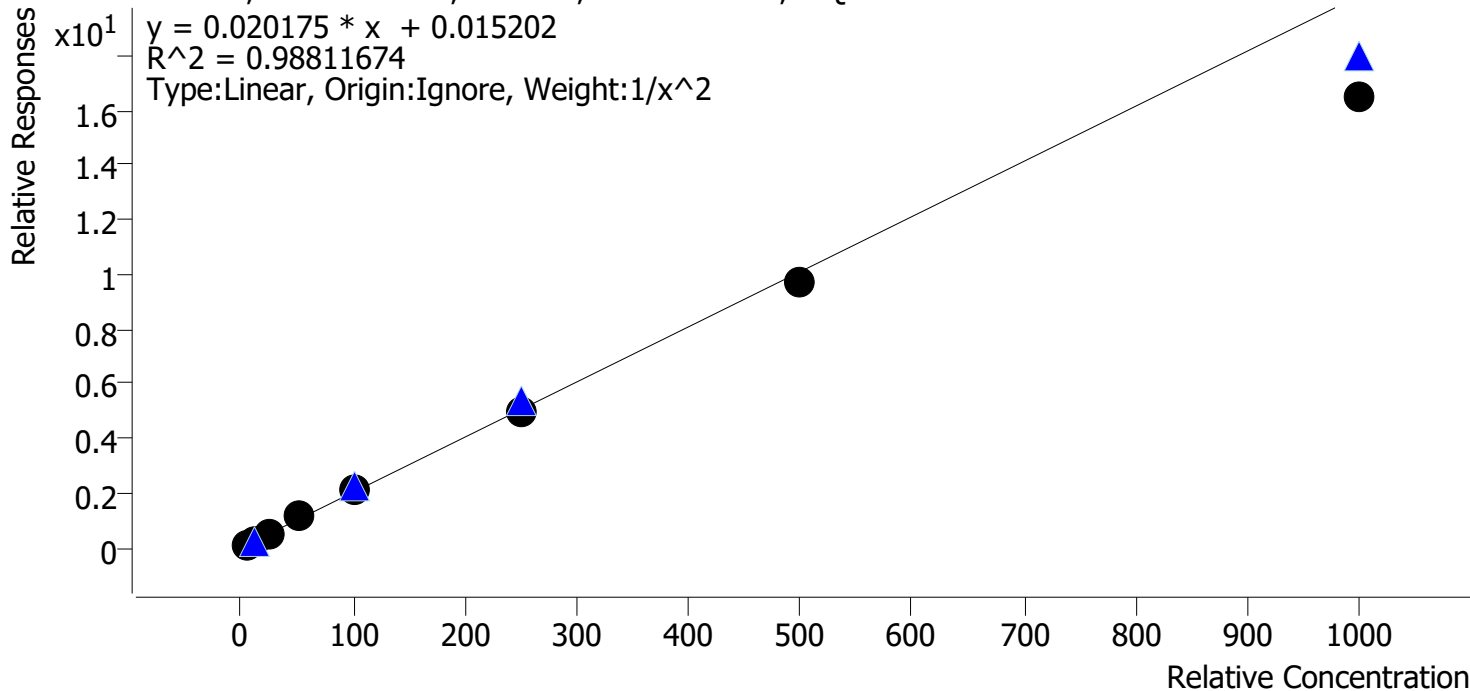
79



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	27.2	109.0
p1 Cal 4-50ng	4	✓	50.0	55.8	111.6
p1 Cal 5-100ng	5	✓	100.0	107.4	107.4
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	481.3	96.3
p1 Cal 8-1000ng	8	✓	1000.0	816.1	81.6

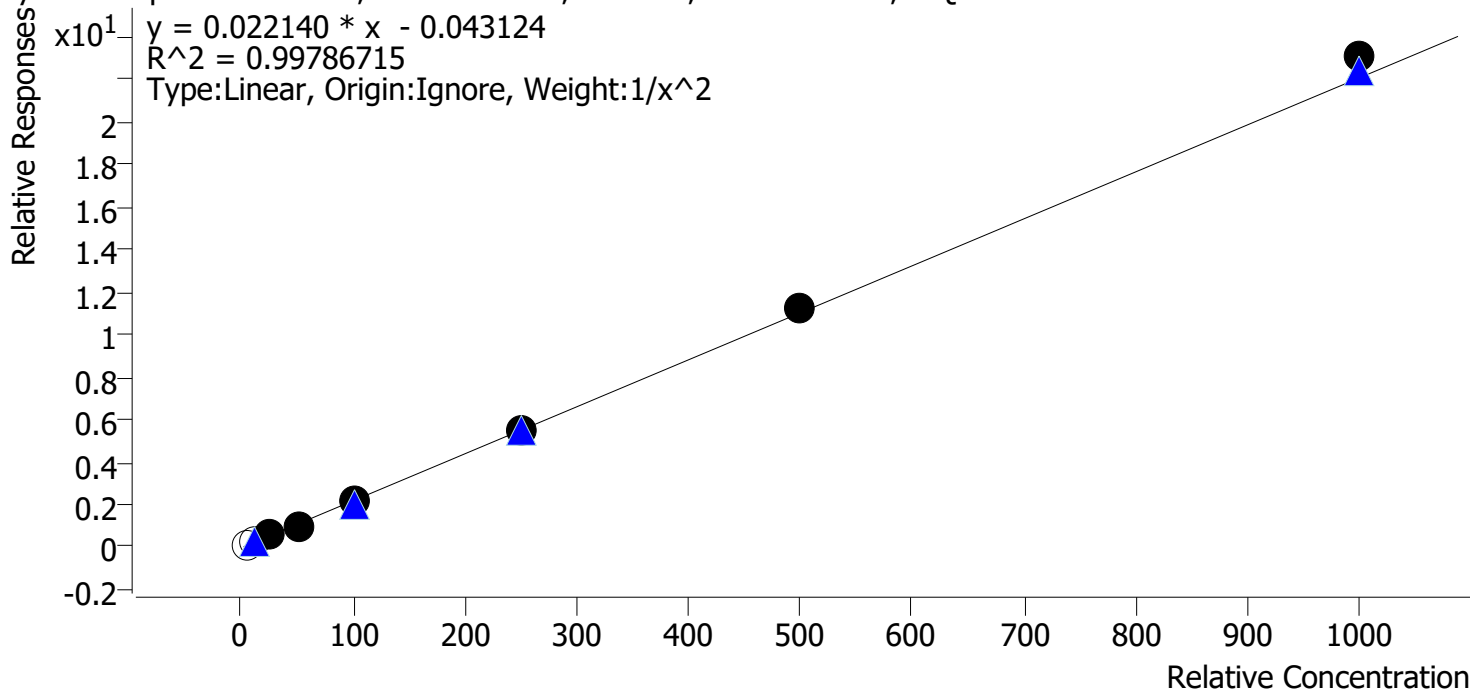
79



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\agerheart
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

Cyclobenzaprine - 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	x	5.0	6.4	128.4
p1 Cal 2-10ng	2	x	10.0	11.2	112.3
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	510.5	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1045.4	104.5

Cal 1 and 2 dropped due to S/N and ratio
Qualitative only

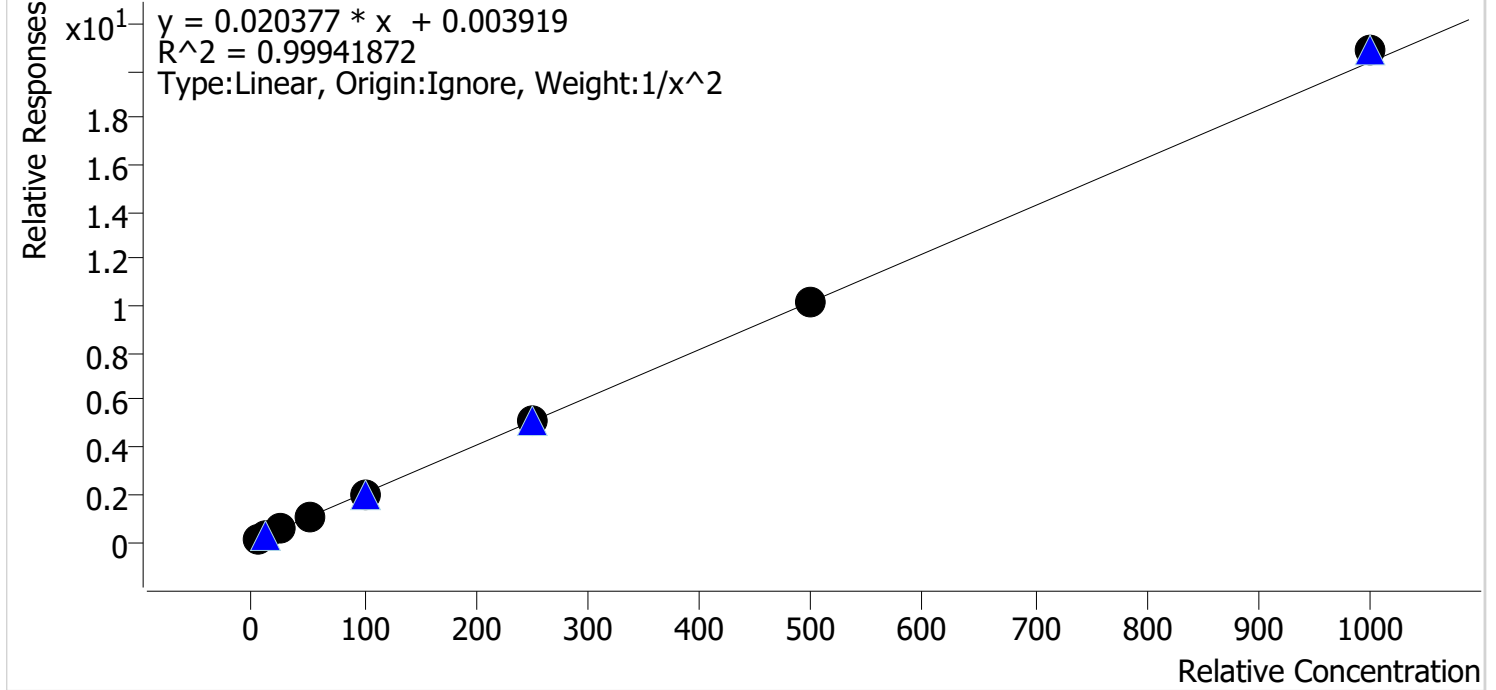
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
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	100.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1023.8	102.4

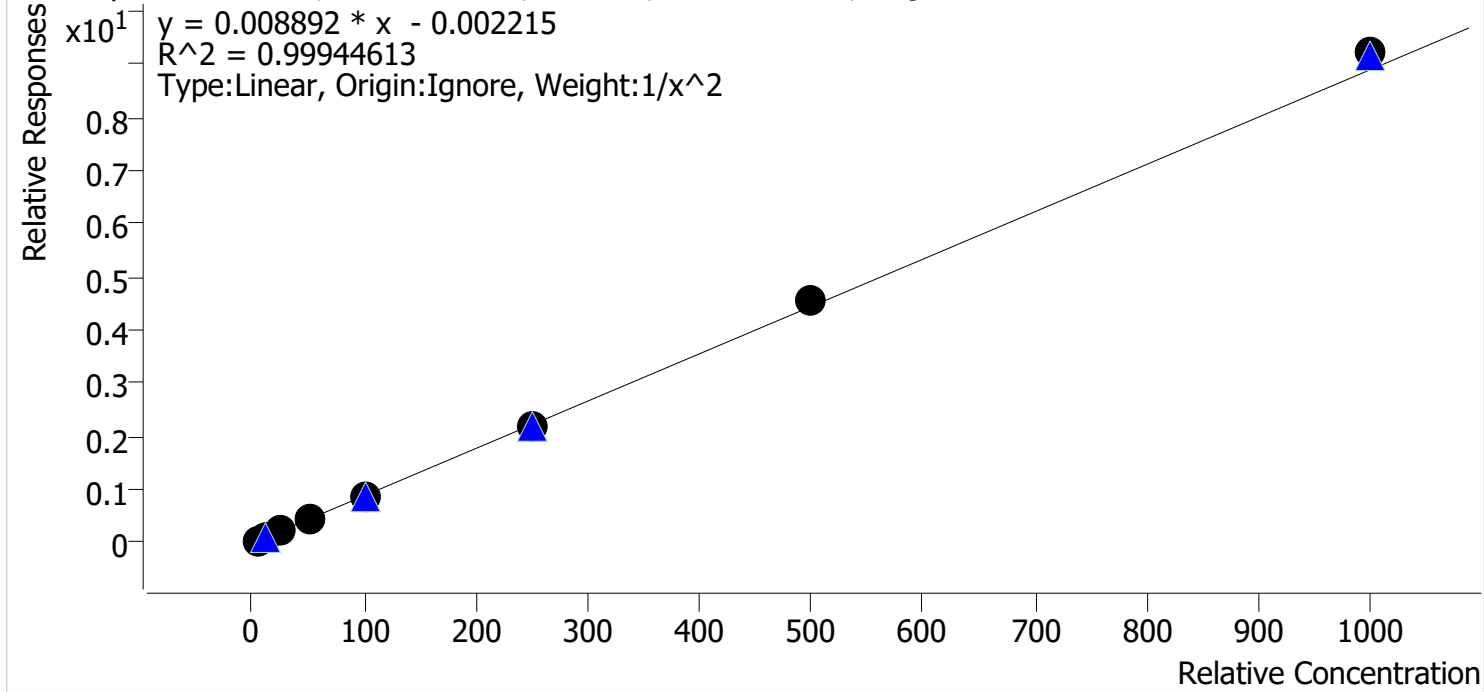
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Dextrophan Internal Standard Dextrophan-D3

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



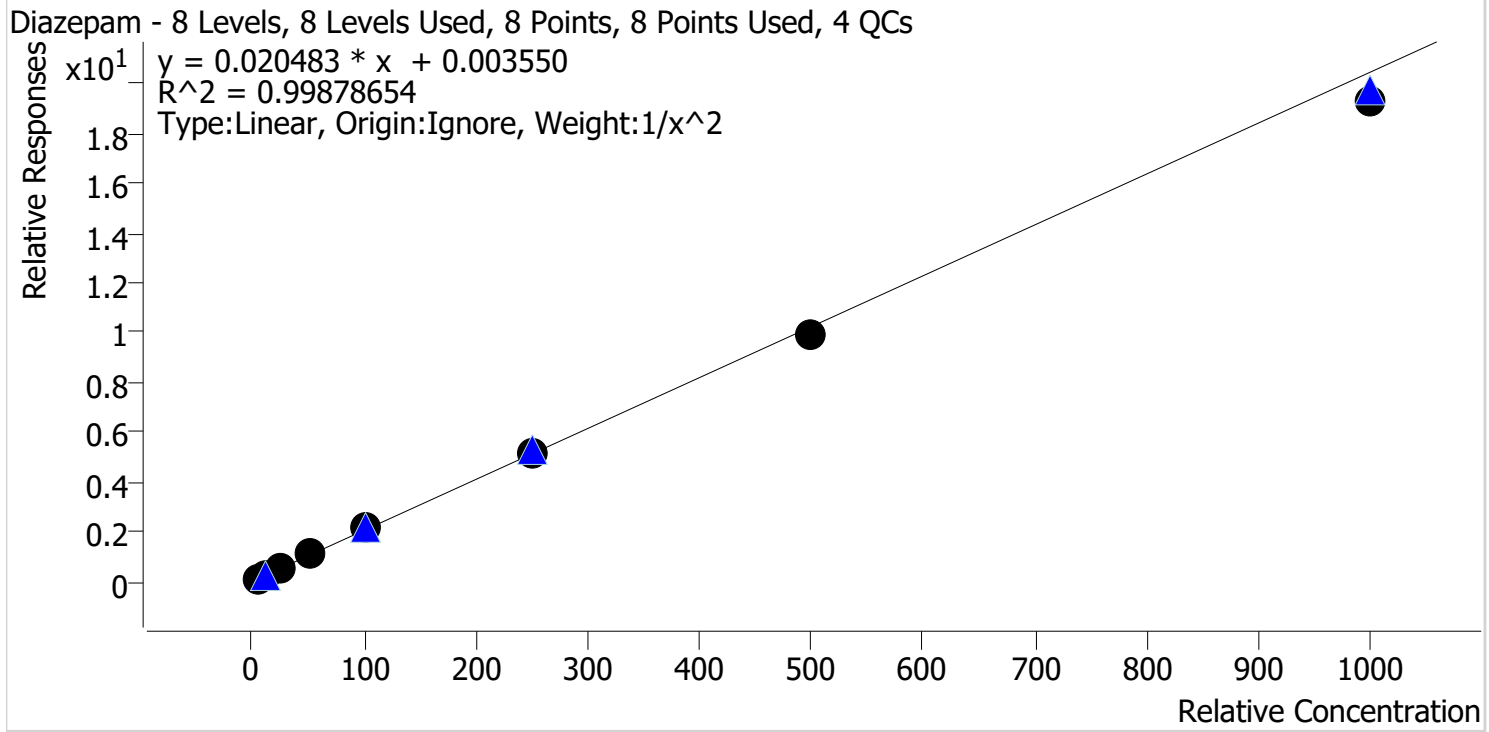
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	510.3	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1036.3	103.6

29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	485.8	97.2
p1 Cal 8-1000ng	8	✓	1000.0	944.5	94.4

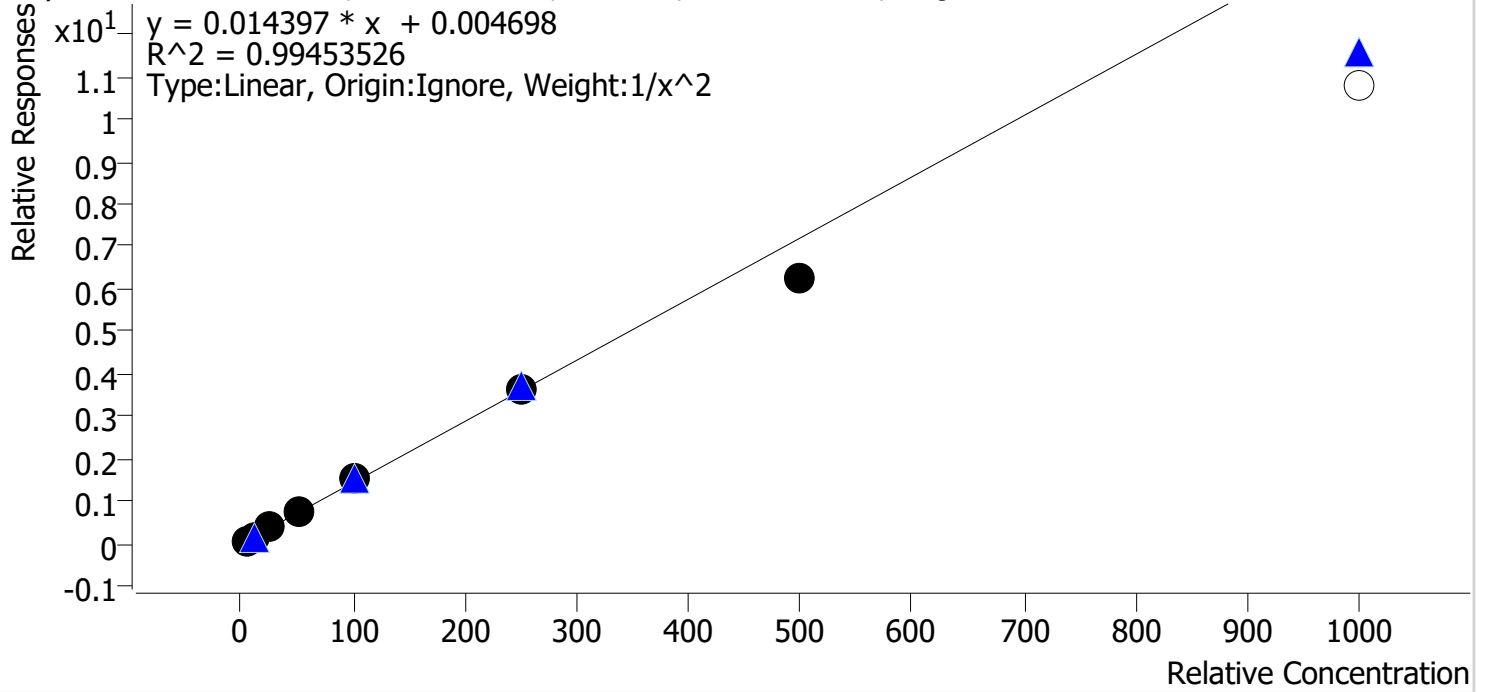
28



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	435.3	87.1
p1 Cal 8-1000ng	8	✗	1000.0	751.3	75.1

Cal 8 dropped due to accuracy

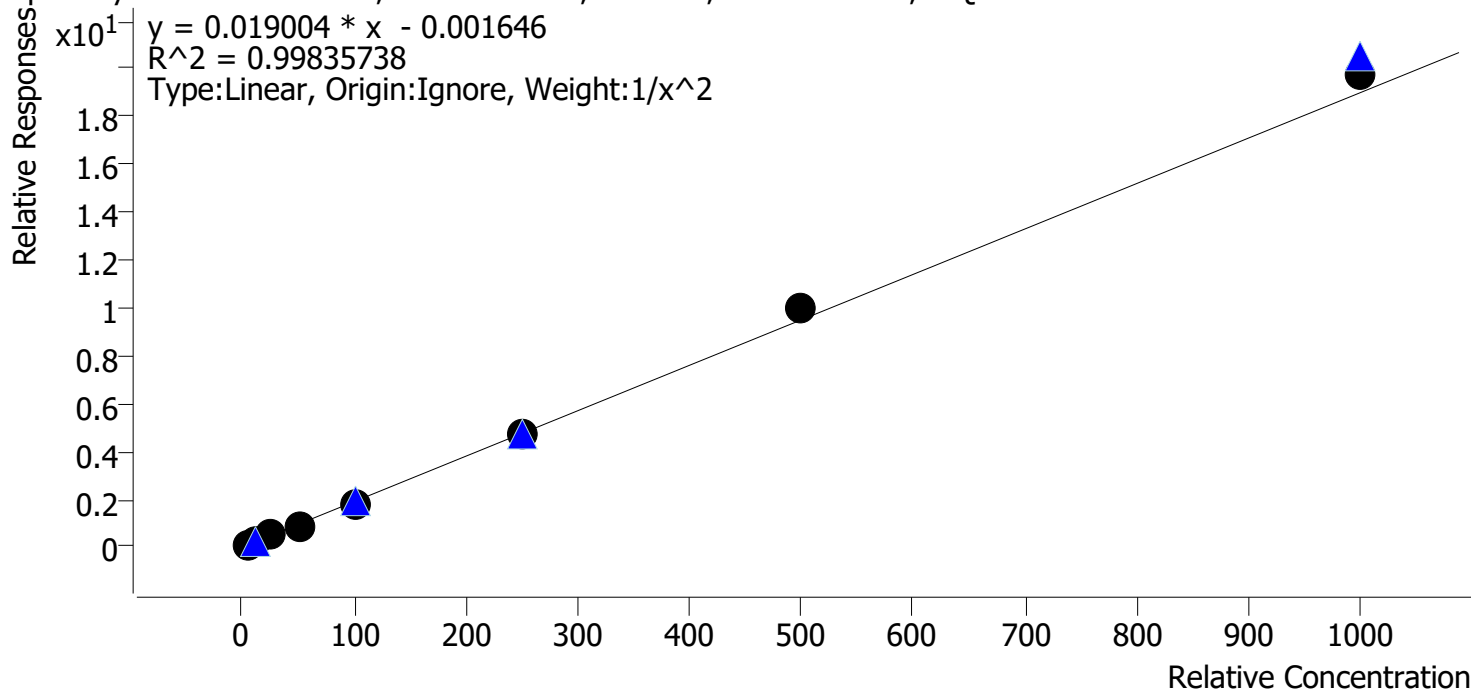
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



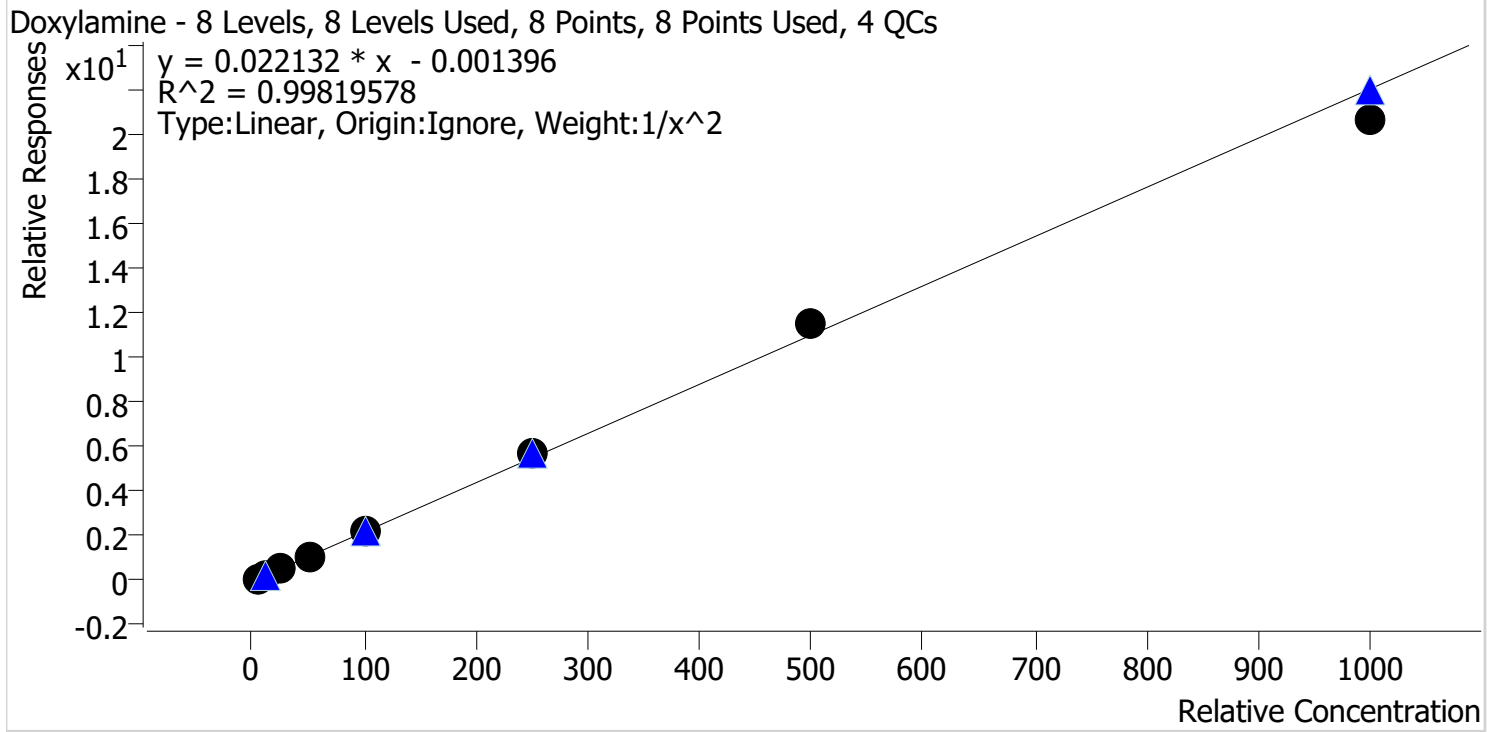
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	528.1	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1039.7	104.0

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	263.4	105.4
p1 Cal 7-500ng	7	✓	500.0	520.2	104.0
p1 Cal 8-1000ng	8	✓	1000.0	935.5	93.5

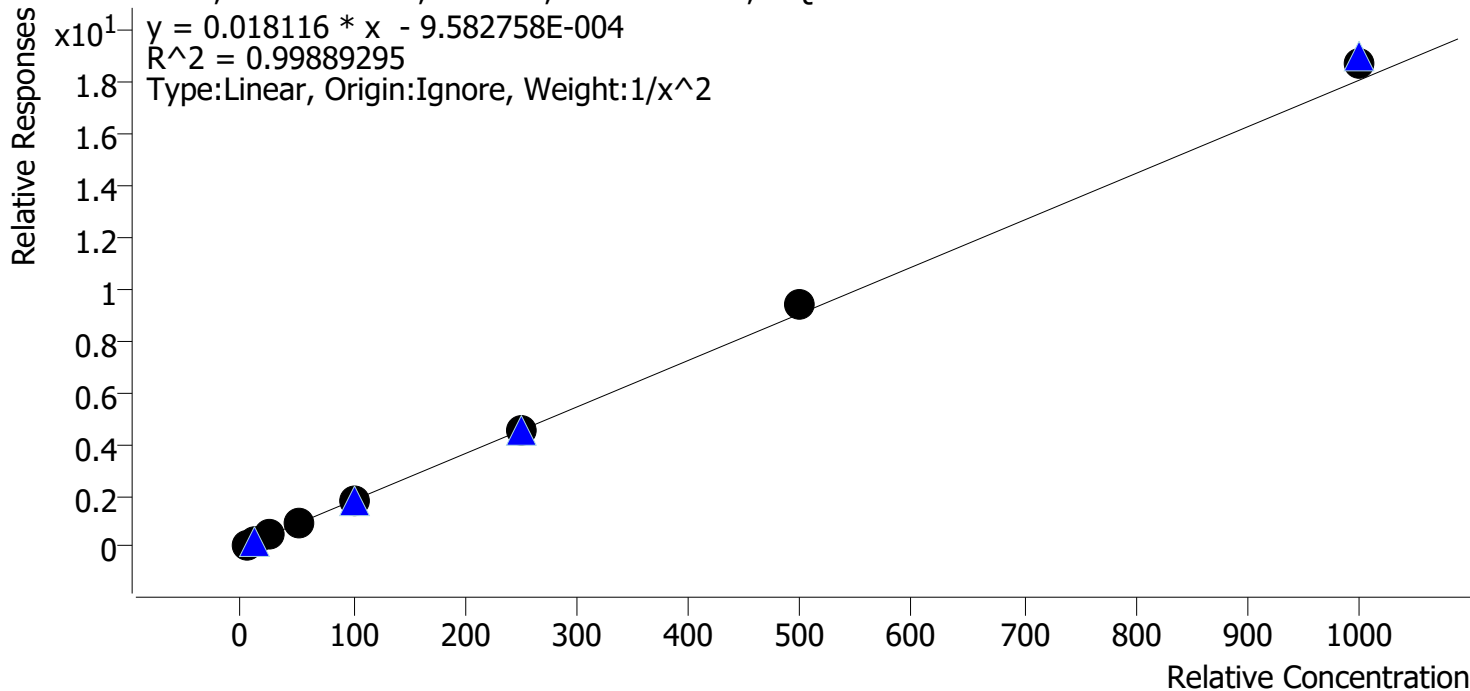
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	518.7	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1039.4	103.9

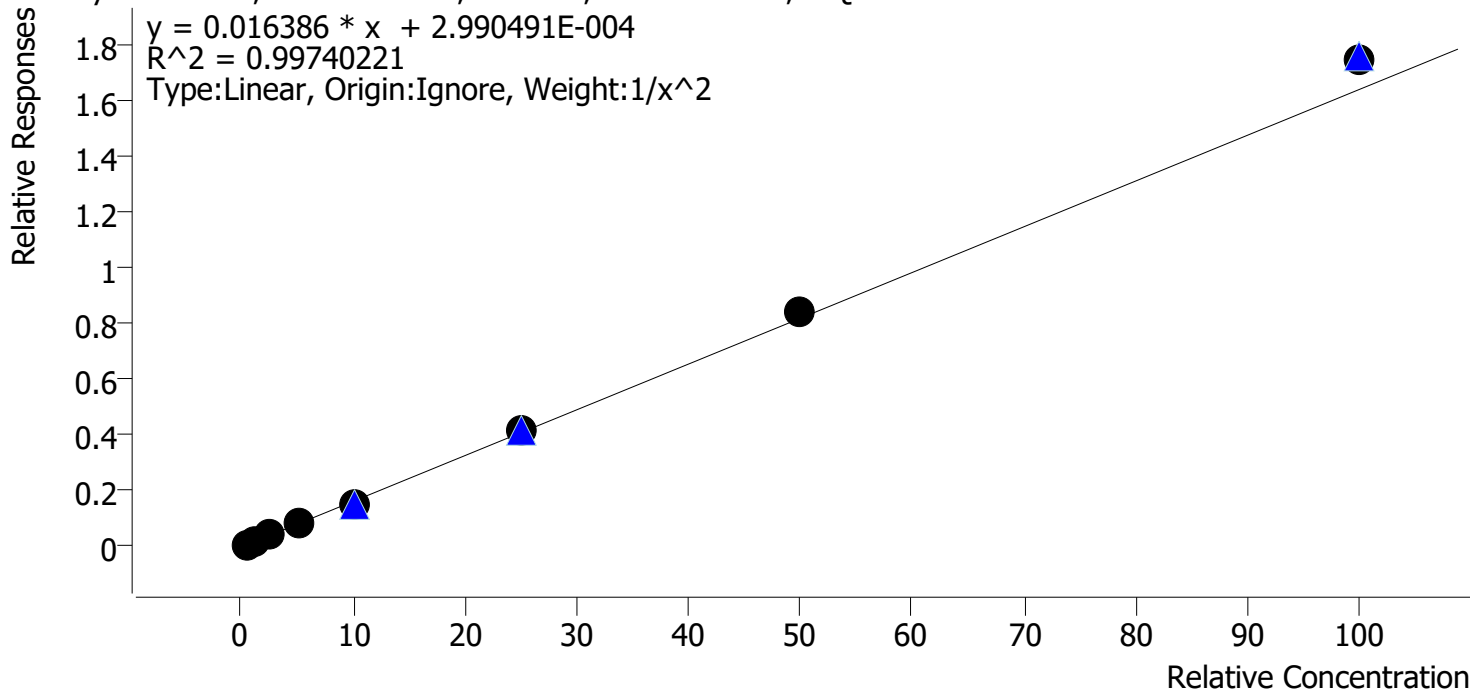
28



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



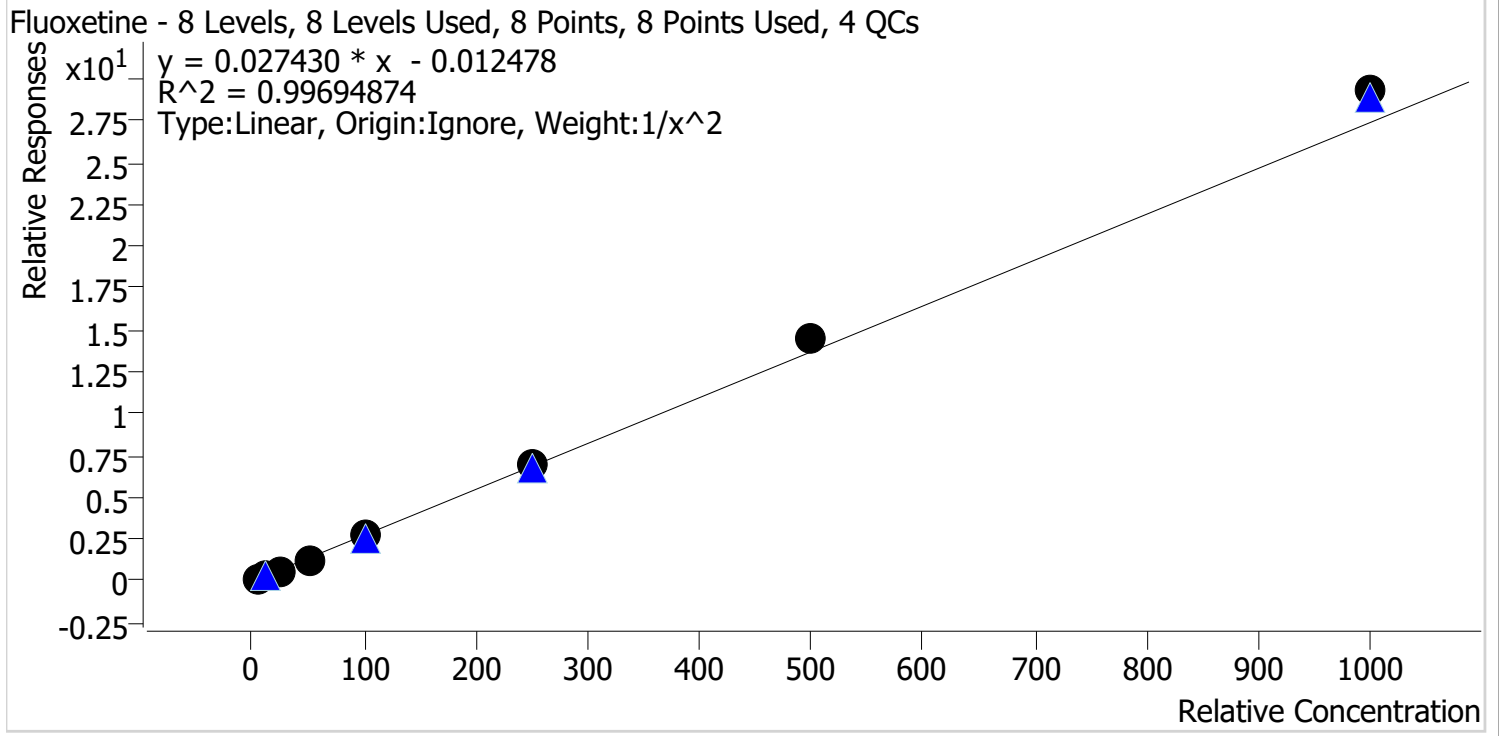
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.8
p1 Cal 2-10ng	2	✓	1.0	0.9	94.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.4
p1 Cal 4-50ng	4	✓	5.0	4.9	97.5
p1 Cal 5-100ng	5	✓	10.0	9.5	95.5
p1 Cal 6-250ng	6	✓	25.0	25.8	103.0
p1 Cal 7-500ng	7	✓	50.0	51.3	102.6
p1 Cal 8-1000ng	8	✓	100.0	106.2	106.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	23.7	95.0
p1 Cal 4-50ng	4	✓	50.0	46.7	93.4
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	528.6	105.7
p1 Cal 8-1000ng	8	✓	1000.0	1069.6	107.0

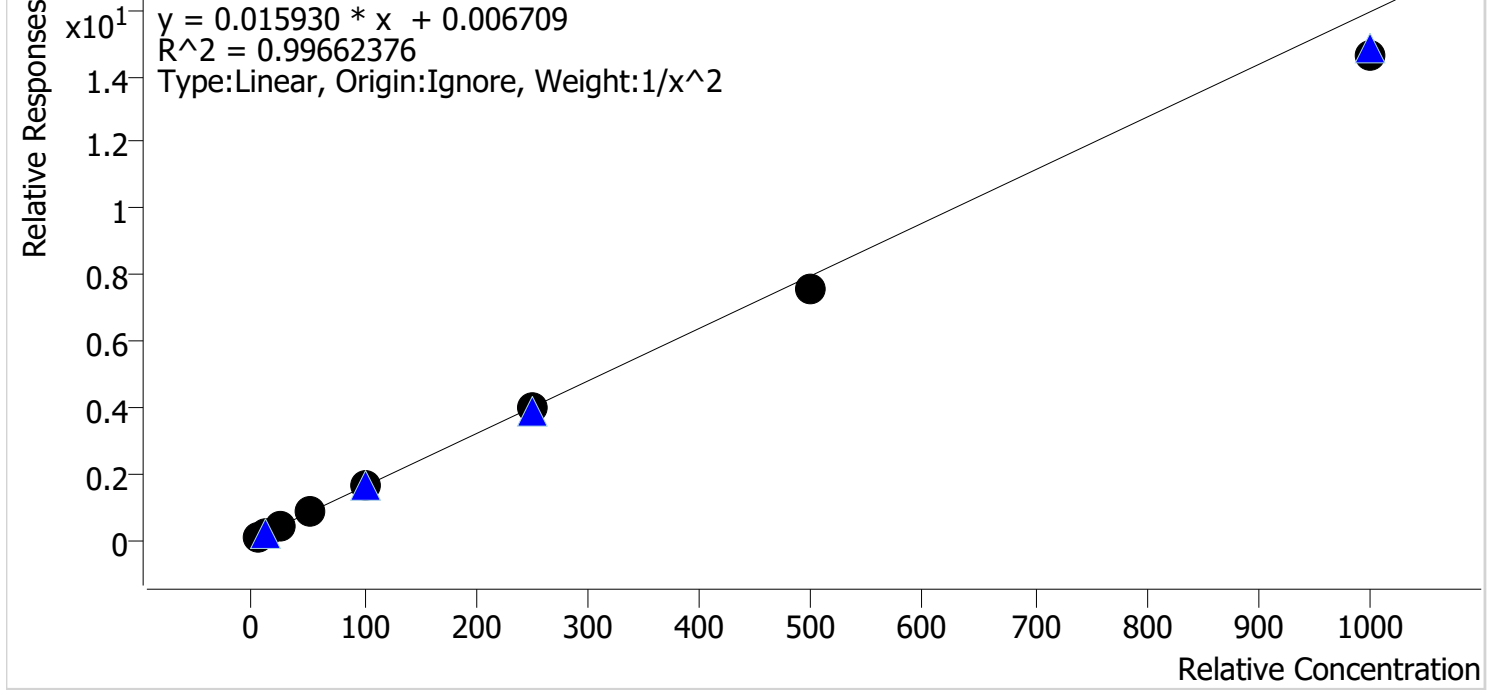
79



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	477.1	95.4
p1 Cal 8-1000ng	8	✓	1000.0	914.3	91.4

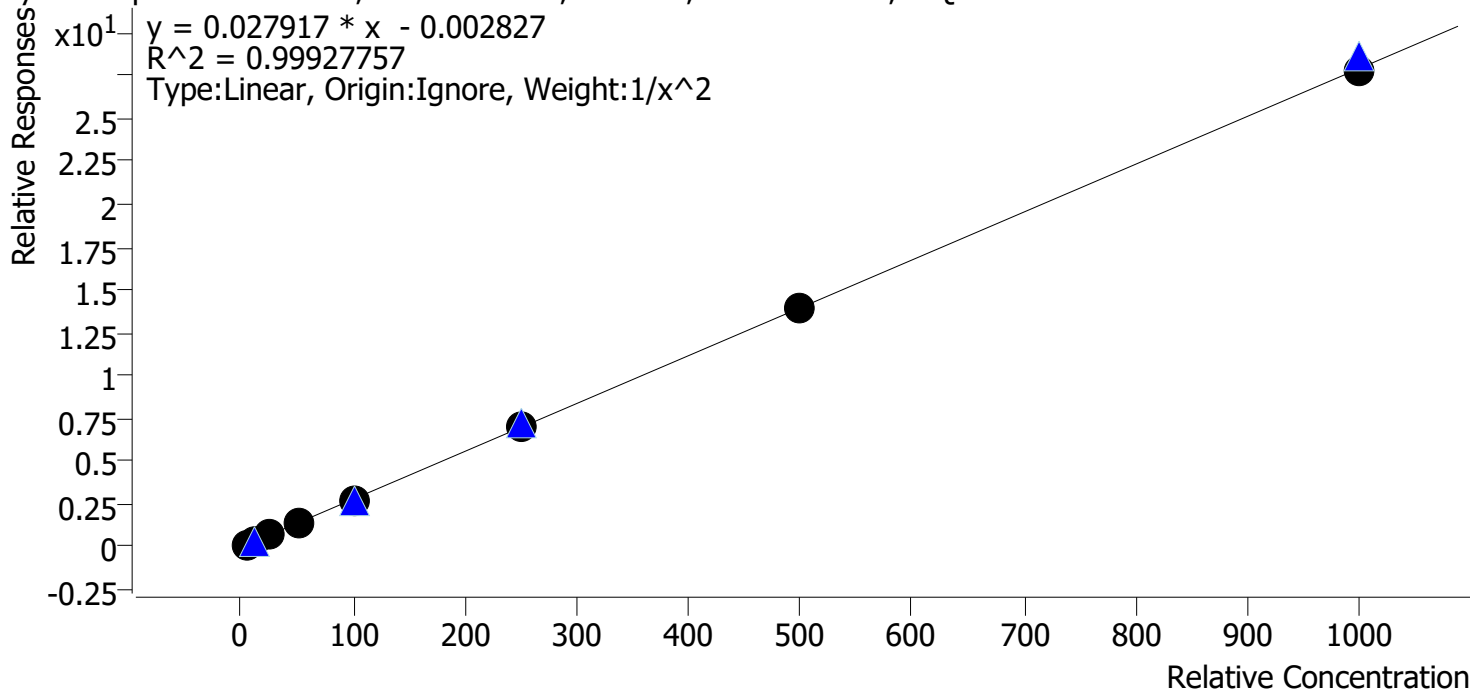
791



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



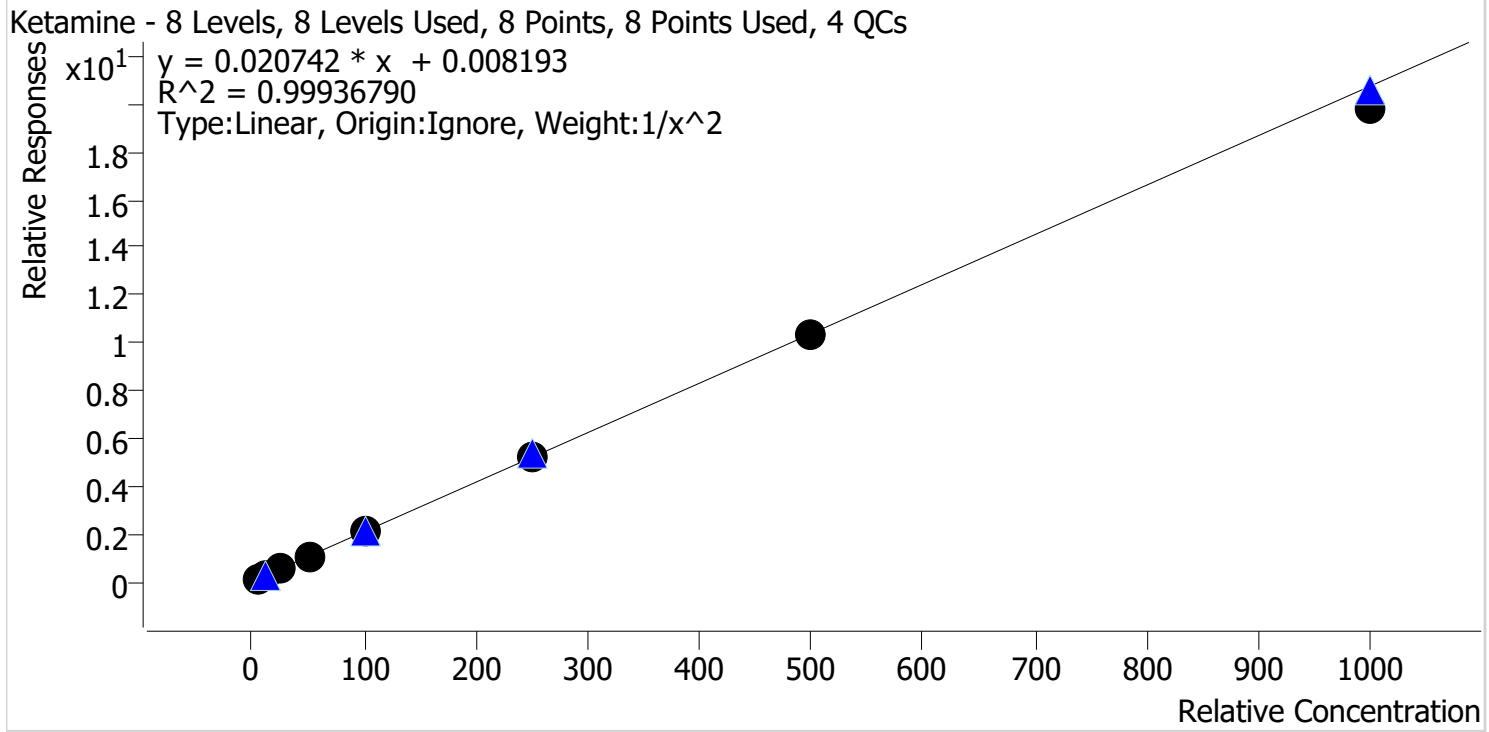
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.5	105.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	997.5	99.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Ketamine **Internal Standard** Ketamine-D4



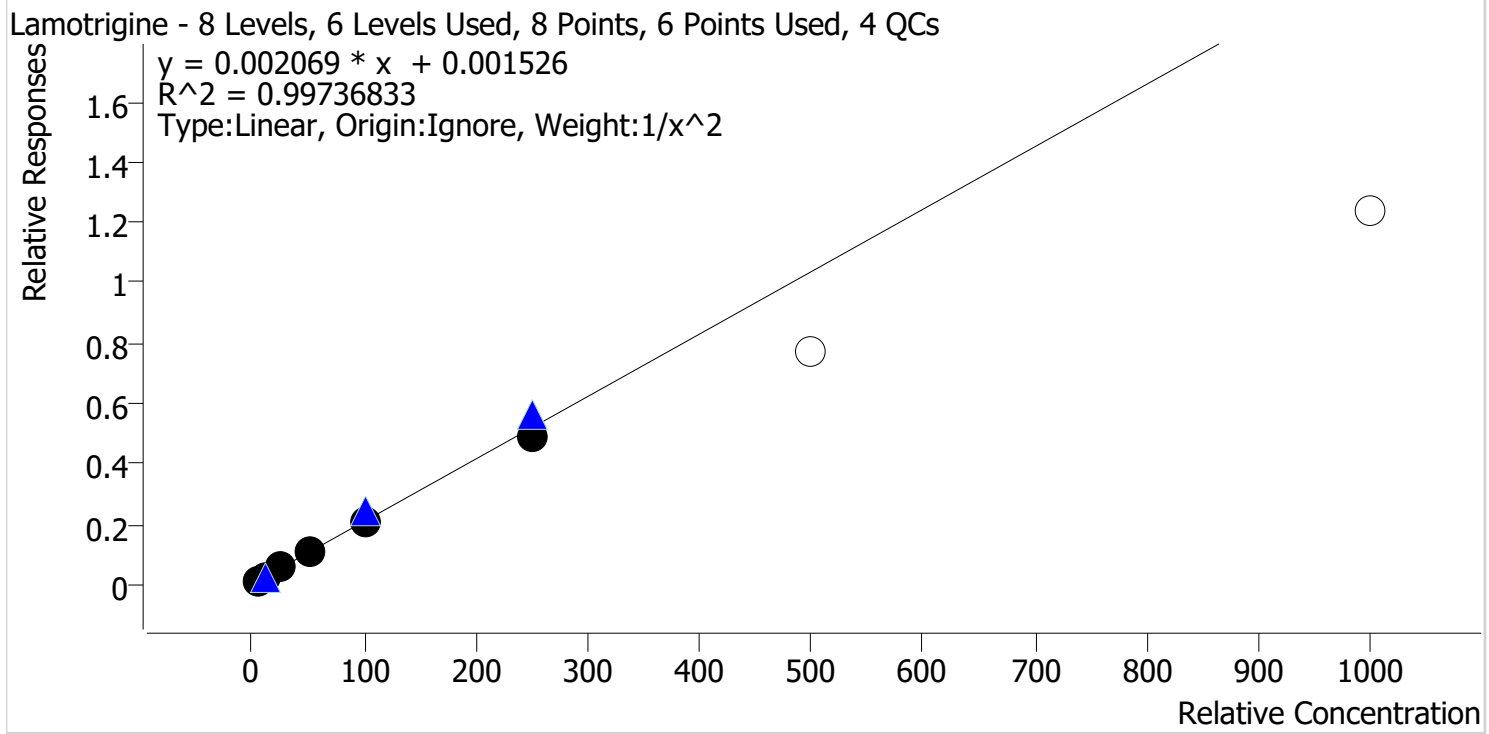
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	952.1	95.2

29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Lamotrigine **Internal Standard** Ketamine-D4



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	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	234.3	93.7
p1 Cal 7-500ng	7	x	500.0	374.2	74.8
p1 Cal 8-1000ng	8	x	1000.0	596.5	59.7

Cal 7 and 8 dropped due to accuracy

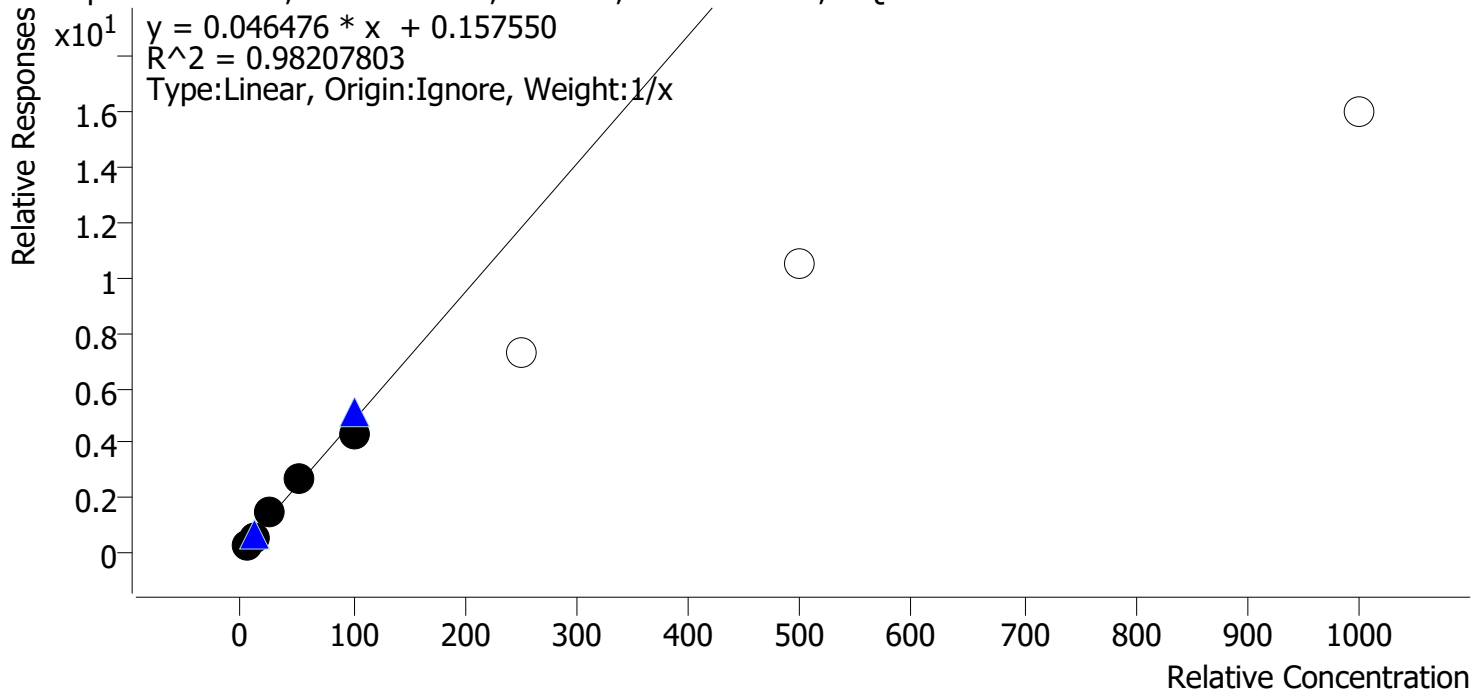
79



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\agerheart
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	3.9	78.1
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	29.0	115.9
p1 Cal 4-50ng	4	✓	50.0	55.4	110.9
p1 Cal 5-100ng	5	✓	100.0	91.3	91.3
p1 Cal 6-250ng	6	✗	250.0	153.7	61.5
p1 Cal 7-500ng	7	✗	500.0	223.3	44.7
p1 Cal 8-1000ng	8	✗	1000.0	339.3	33.9

Cal 6, 7, and 8 dropped due to accuracy

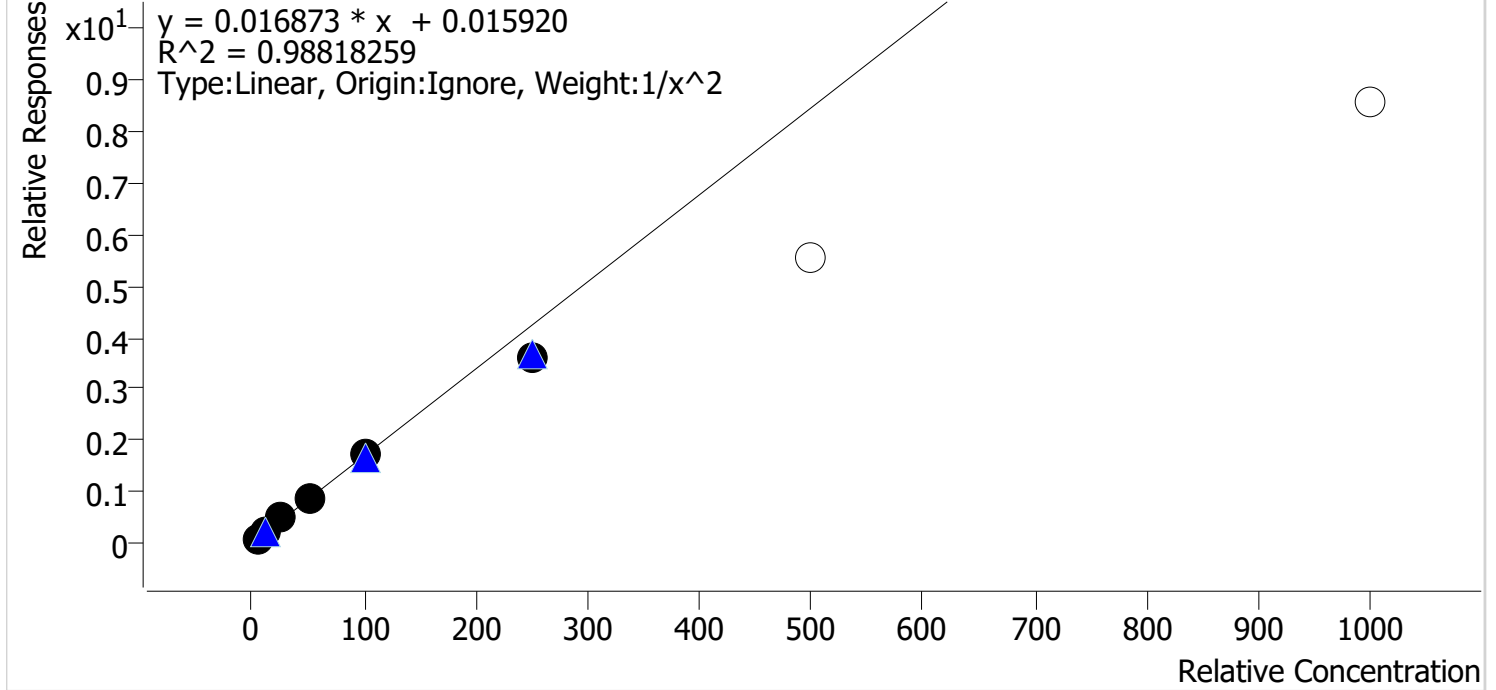
29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Meprobamate **Internal Standard** Meprobamate-D7

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2-10ng	2	✓	10.0	10.5	105.0
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.2
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	212.5	85.0
p1 Cal 7-500ng	7	x	500.0	327.3	65.5
p1 Cal 8-1000ng	8	x	1000.0	506.2	50.6

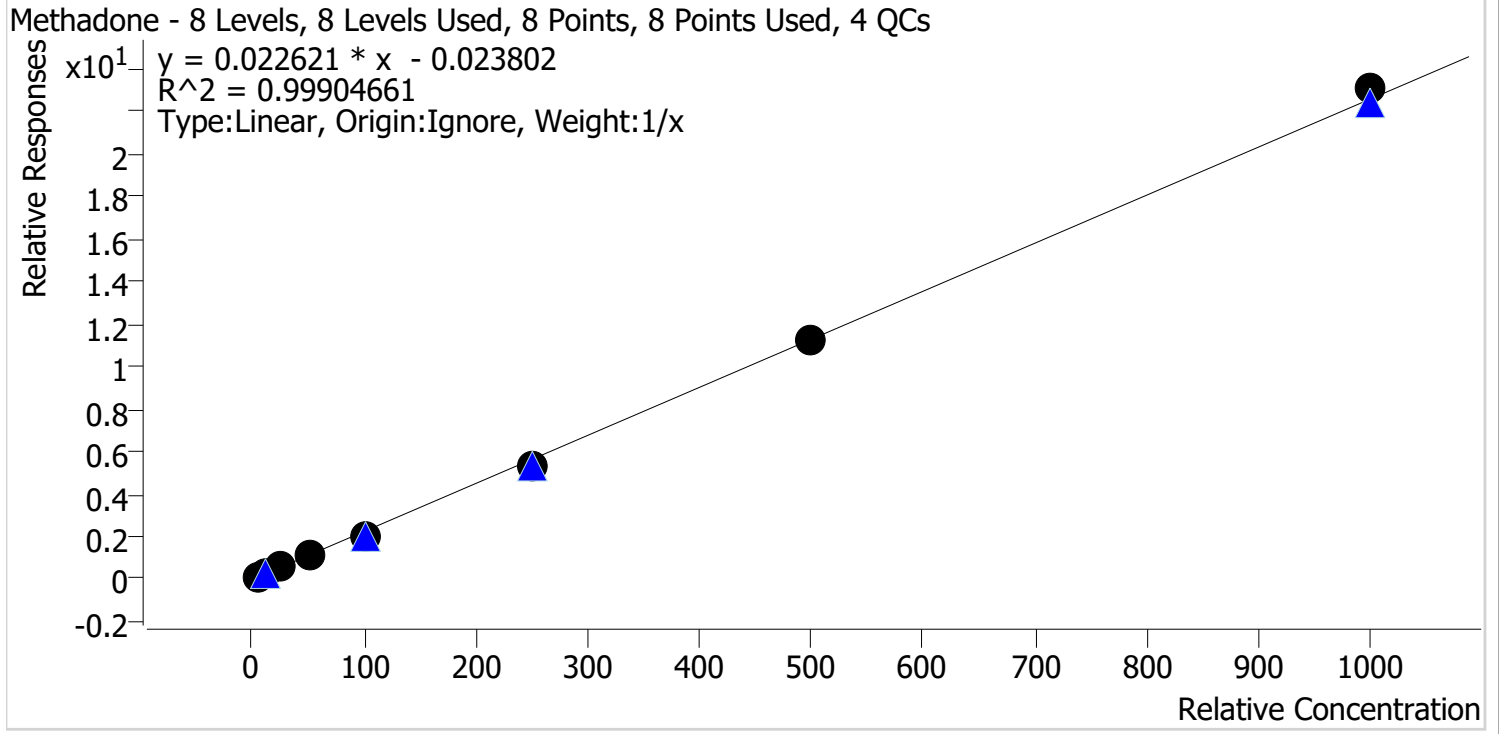
Cal 7 and 8 dropped due to accuracy

791



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Methadone **Internal Standard** Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.7	115.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	92.9	92.9
p1 Cal 6-250ng	6	✓	250.0	239.2	95.7
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1021.9	102.2

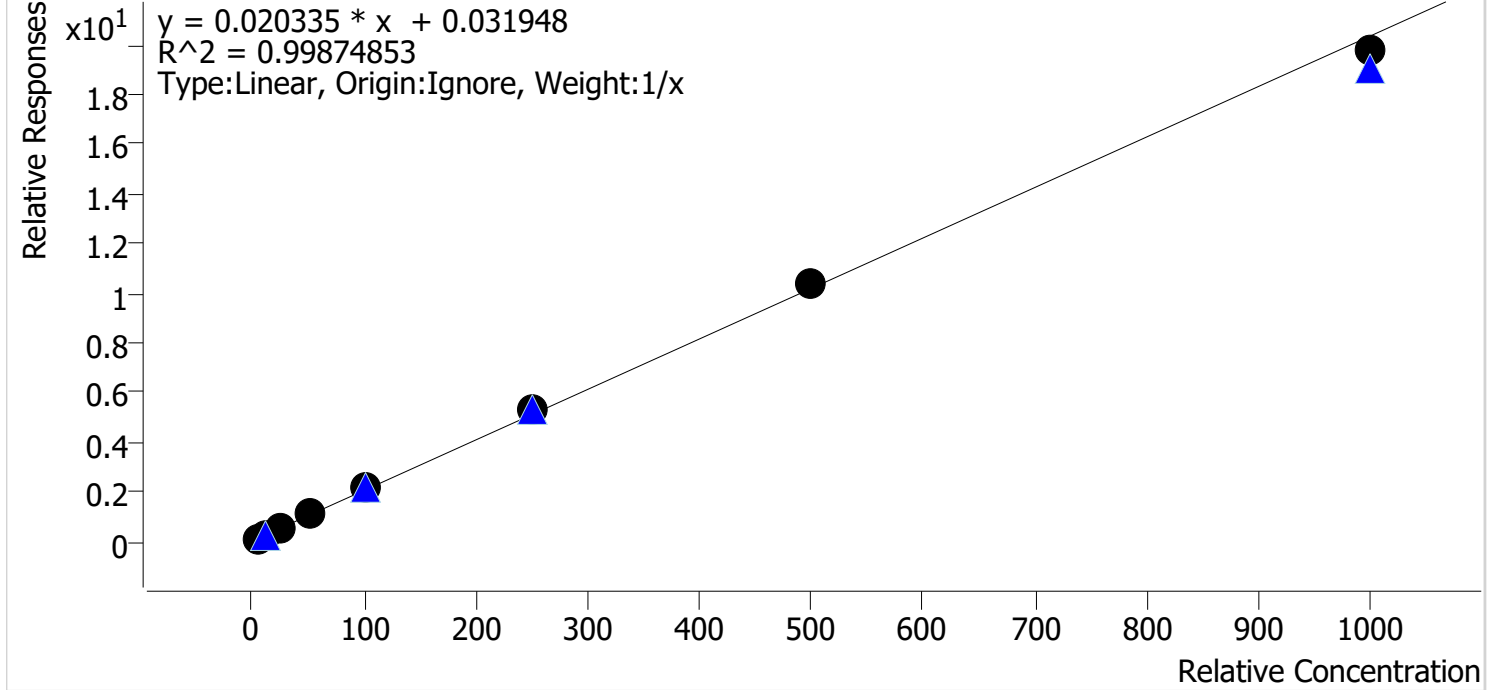
28



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

Methamphetamine - 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	4.2	84.0
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	107.0	107.0
p1 Cal 6-250ng	6	✓	250.0	260.2	104.1
p1 Cal 7-500ng	7	✓	500.0	509.1	101.8
p1 Cal 8-1000ng	8	✓	1000.0	971.2	97.1

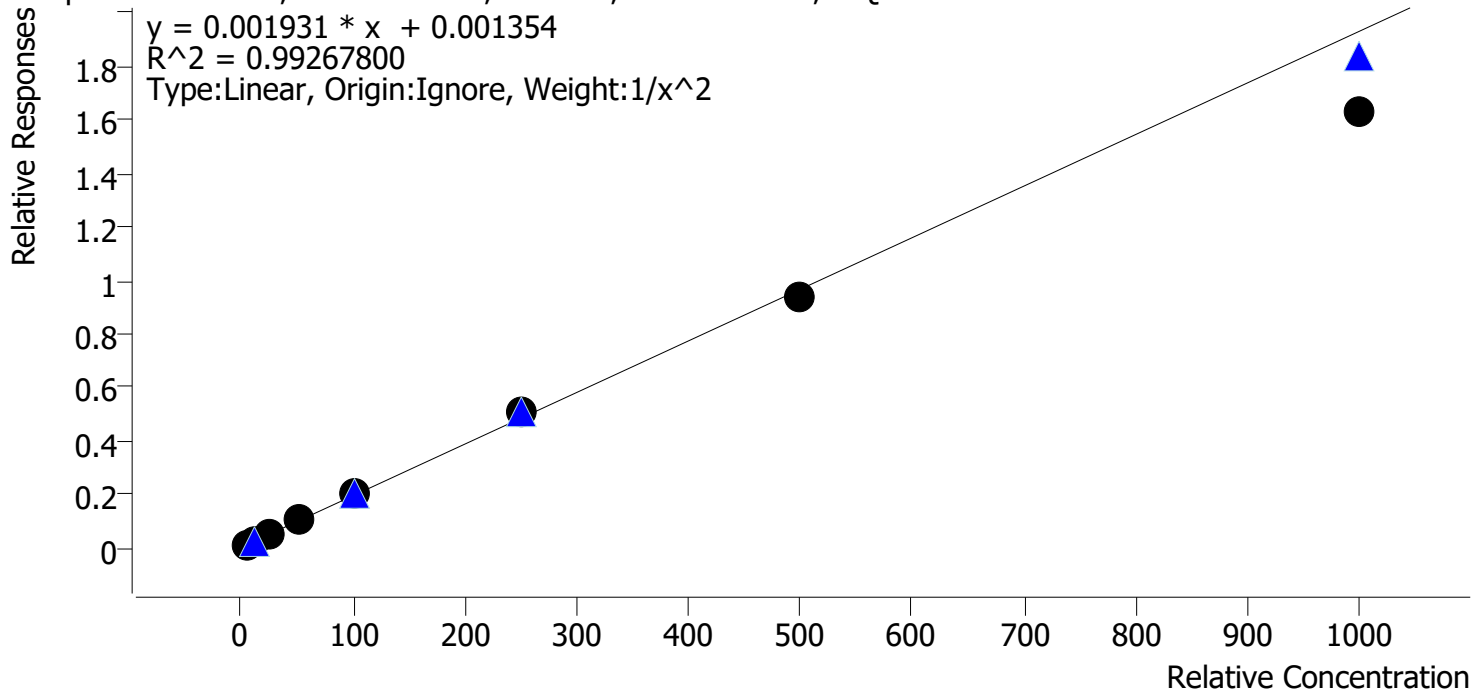
AS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

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



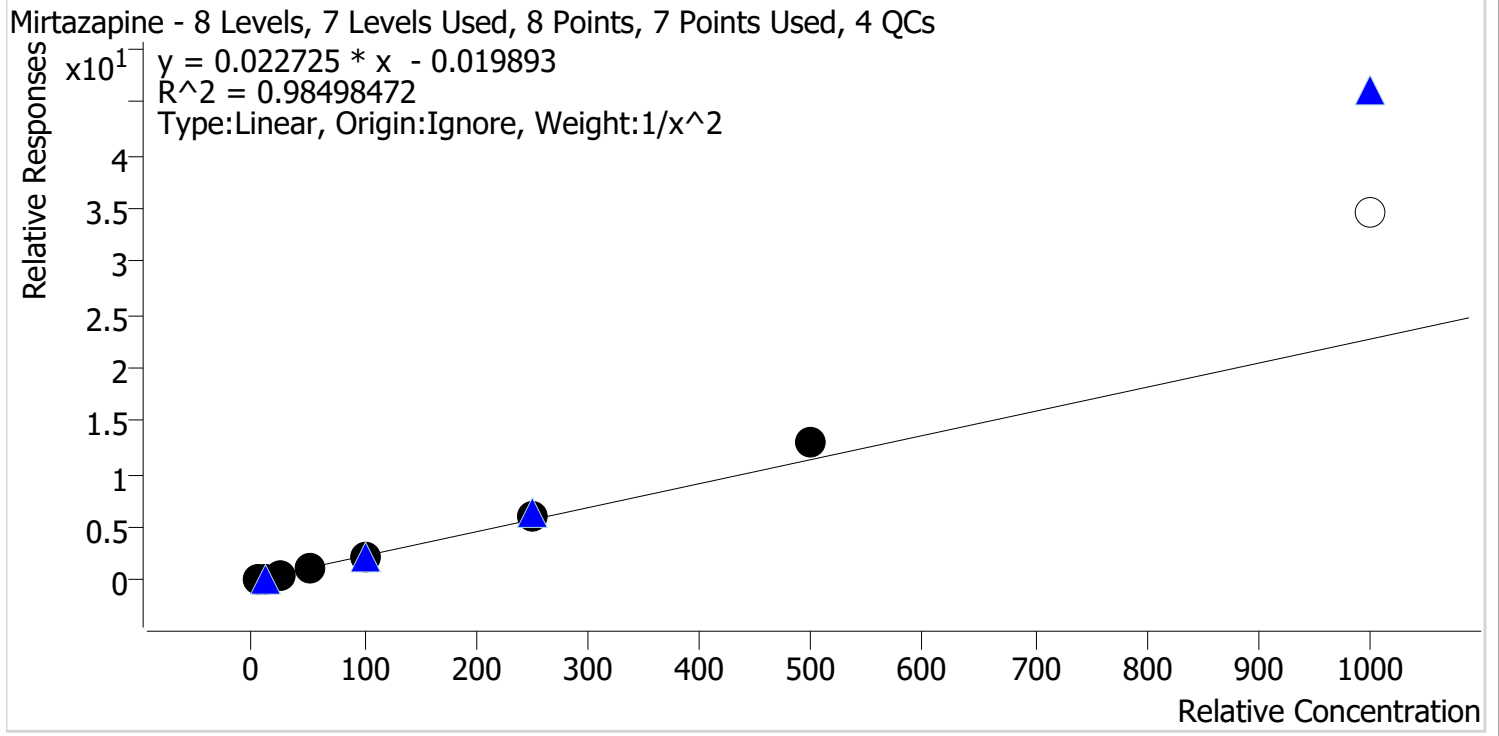
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	263.6	105.4
p1 Cal 7-500ng	7	✓	500.0	484.0	96.8
p1 Cal 8-1000ng	8	✓	1000.0	841.1	84.1

AS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.7
p1 Cal 2-10ng	2	✓	10.0	9.1	90.9
p1 Cal 3 -25ng	3	✓	25.0	21.6	86.3
p1 Cal 4-50ng	4	✓	50.0	47.2	94.5
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	268.1	107.2
p1 Cal 7-500ng	7	✓	500.0	577.0	115.4
p1 Cal 8-1000ng	8	✗	1000.0	1524.5	152.5

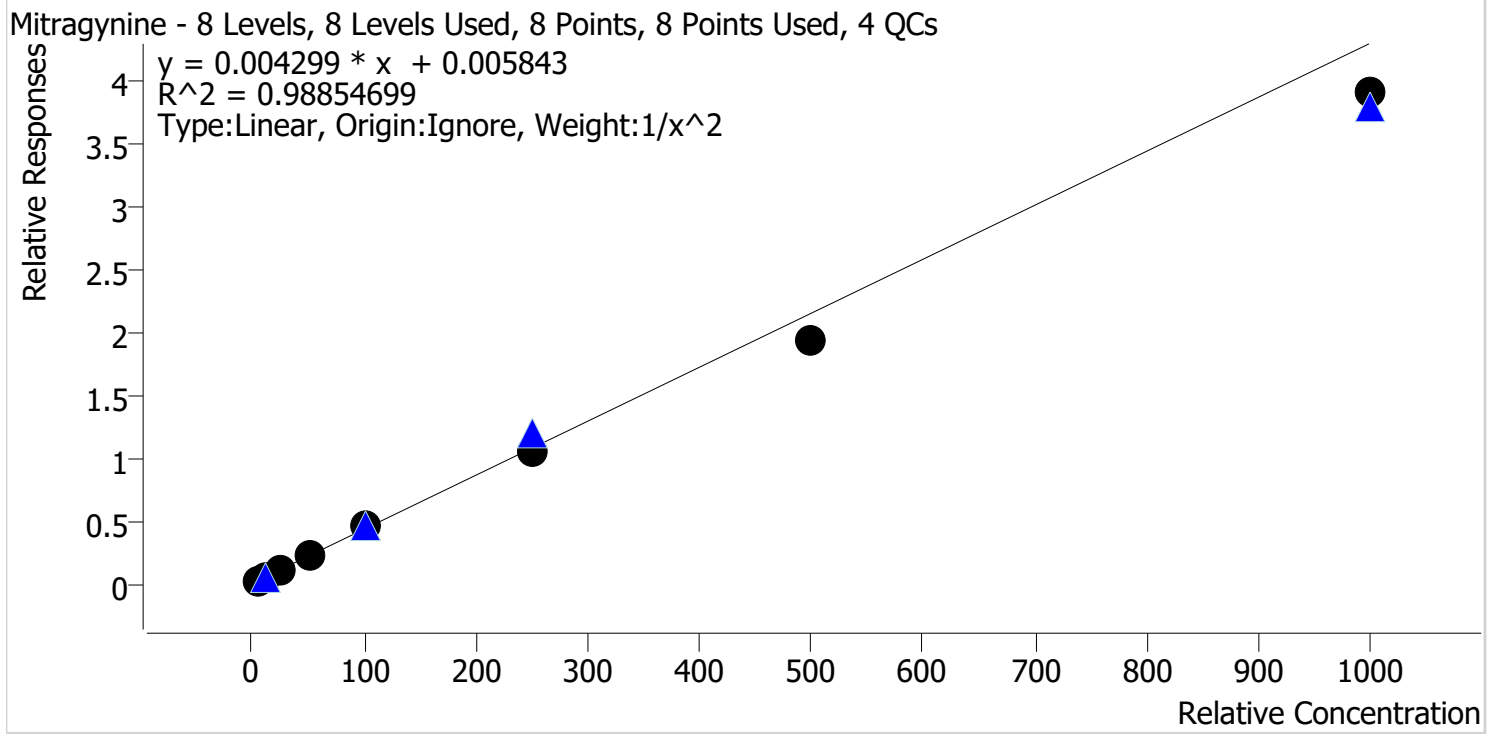
Cal 8 dropped due to accuracy

AS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Mitragynine **Internal Standard** Methadone-D9



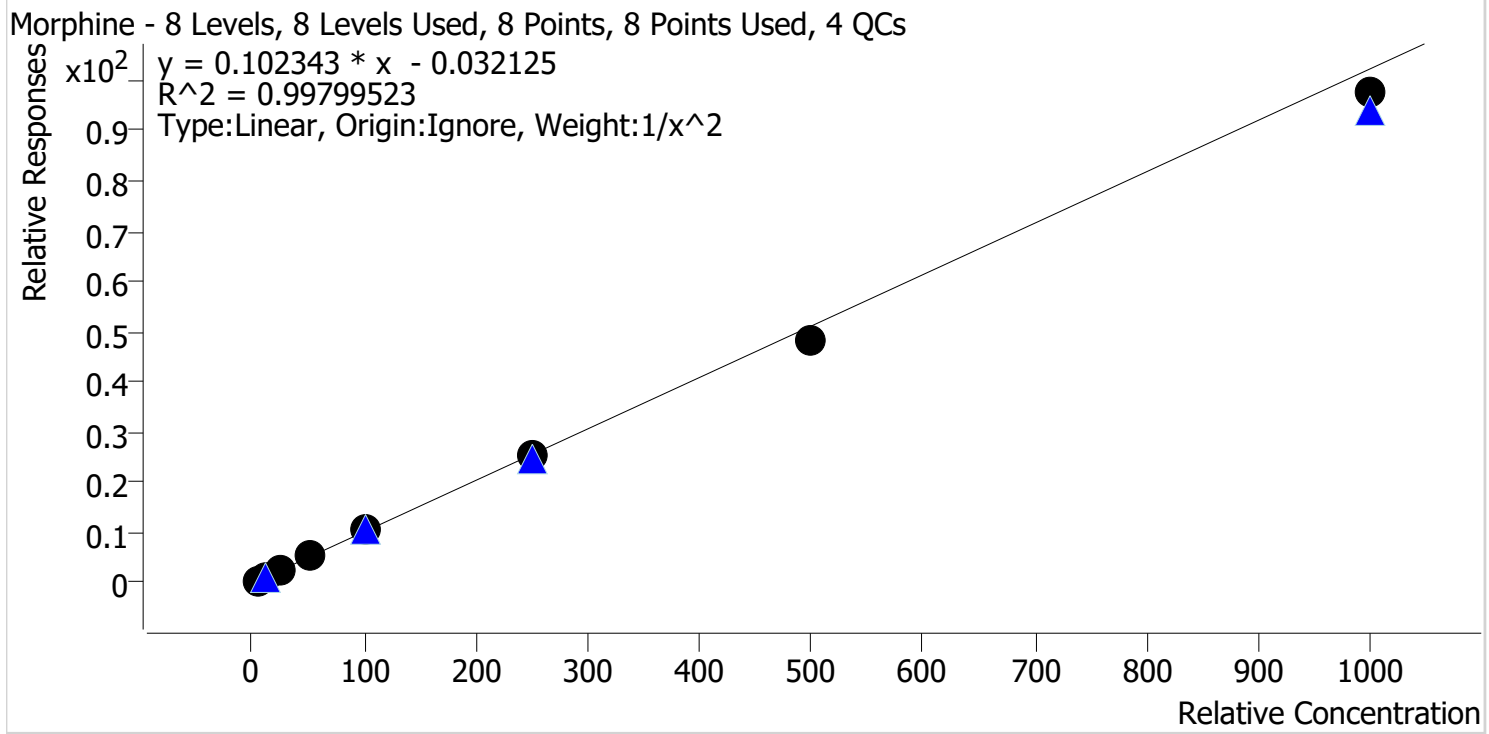
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	90.2
p1 Cal 2-10ng	2	✓	10.0	11.7	116.8
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	452.3	90.5
p1 Cal 8-1000ng	8	✓	1000.0	908.6	90.9

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	474.1	94.8
p1 Cal 8-1000ng	8	✓	1000.0	953.8	95.4

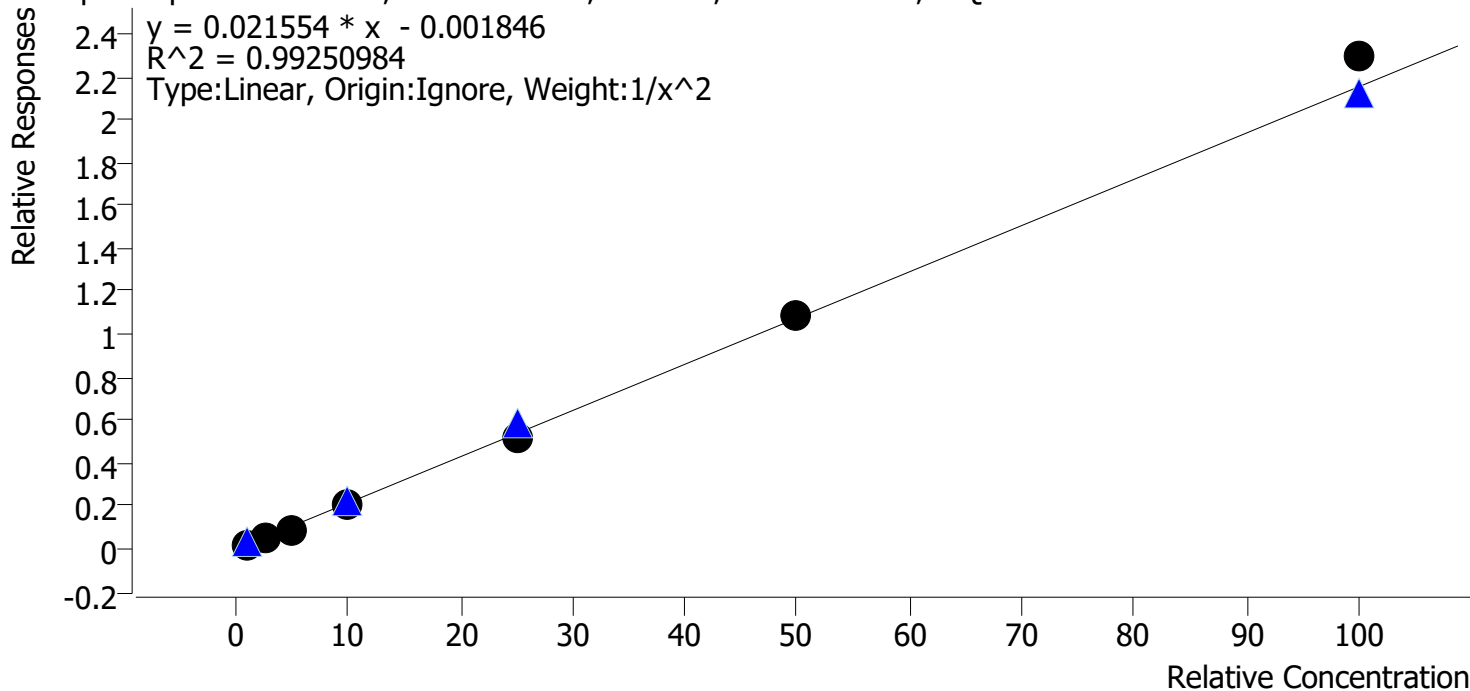
201



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	✓	1.0	1.0	98.1
p1 Cal 3 -25ng	3	✓	2.5	2.8	111.5
p1 Cal 4-50ng	4	✓	5.0	4.4	88.4
p1 Cal 5-100ng	5	✓	10.0	9.7	96.6
p1 Cal 6-250ng	6	✓	25.0	24.3	97.3
p1 Cal 7-500ng	7	✓	50.0	50.9	101.7
p1 Cal 8-1000ng	8	✓	100.0	106.5	106.5

Cal 1 dropped due to S/N

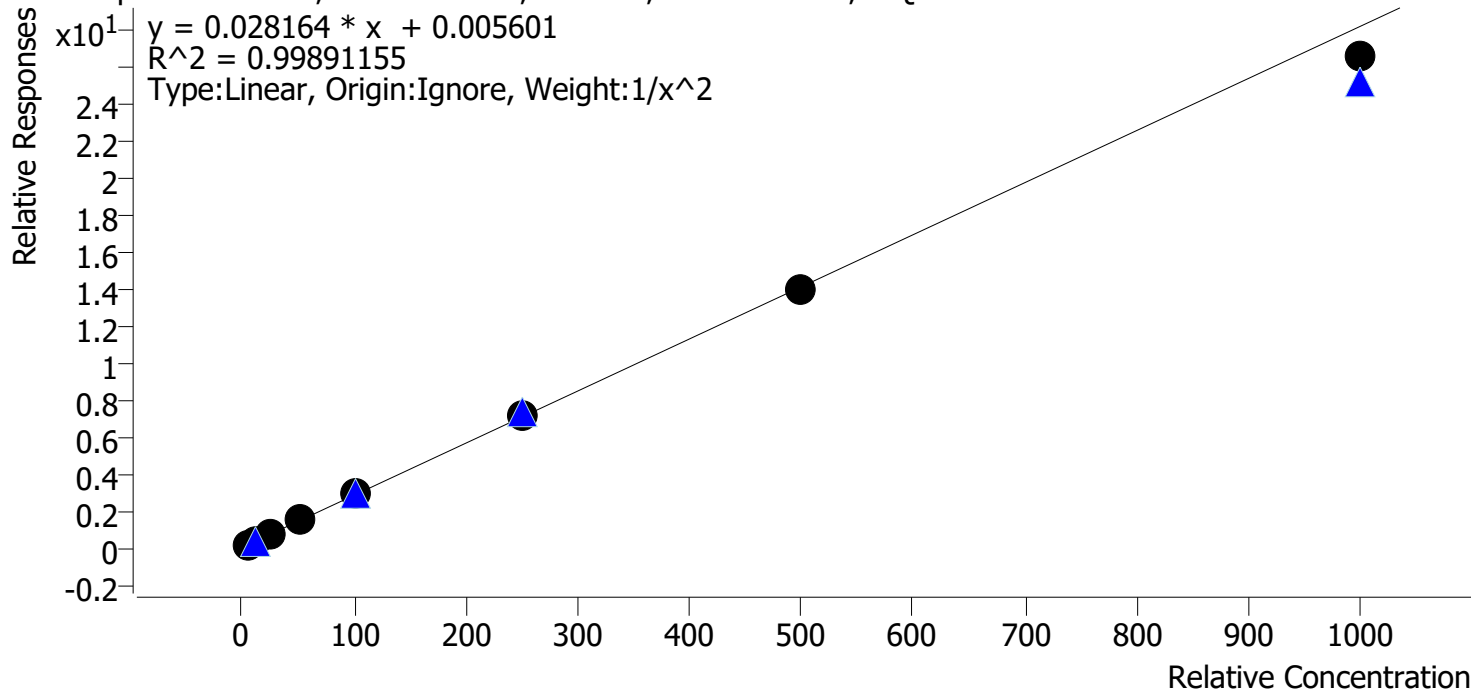
79



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Nordiazepam Internal Standard Nordiazepam-D5

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



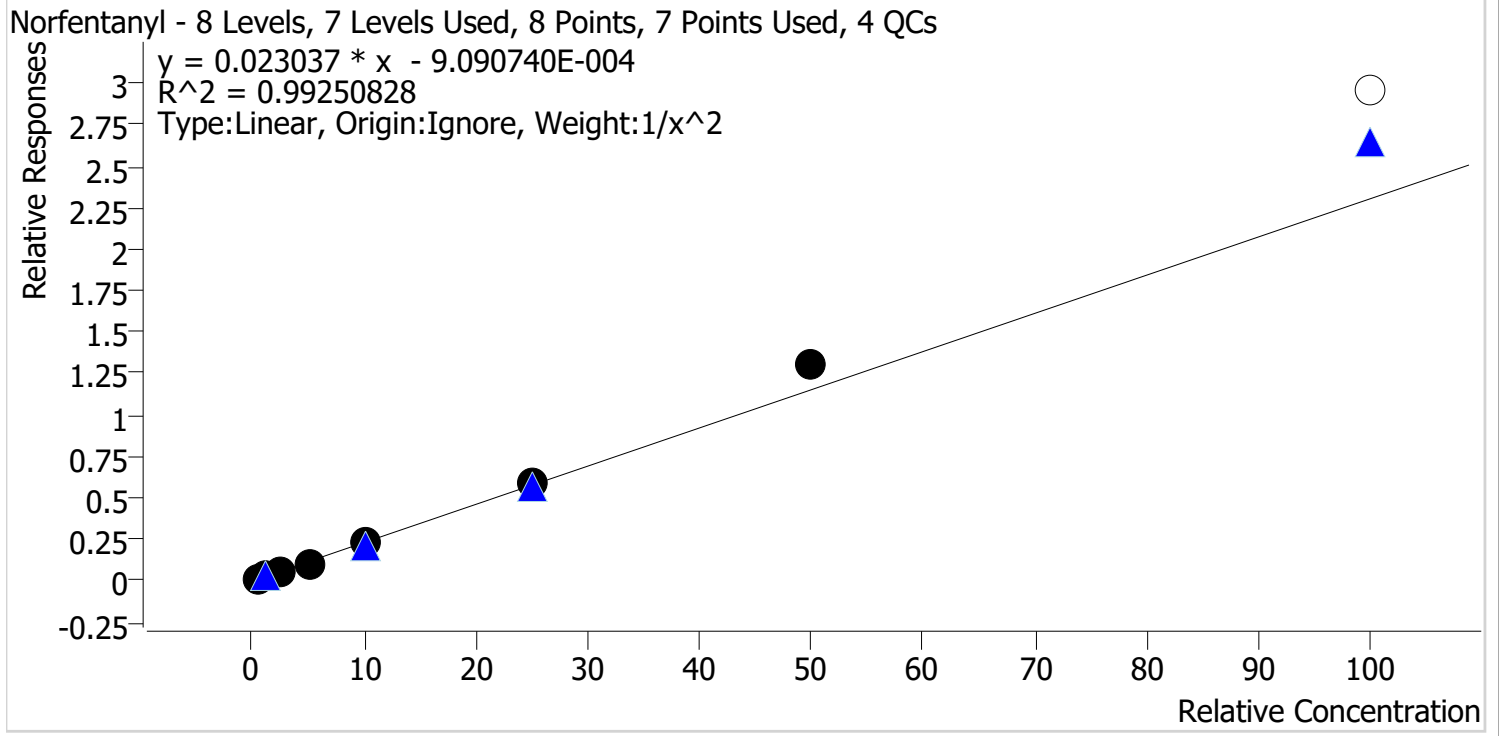
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	494.0	98.8
p1 Cal 8-1000ng	8	✓	1000.0	942.0	94.2

AS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\agerheart
Analyte Norfentanyl Internal Standard Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.3
p1 Cal 2-10ng	2	✓	1.0	1.0	95.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.3
p1 Cal 4-50ng	4	✓	5.0	4.7	94.4
p1 Cal 5-100ng	5	✓	10.0	9.6	96.2
p1 Cal 6-250ng	6	✓	25.0	25.8	103.1
p1 Cal 7-500ng	7	✓	50.0	56.8	113.5
p1 Cal 8-1000ng	8	✗	100.0	128.3	128.3

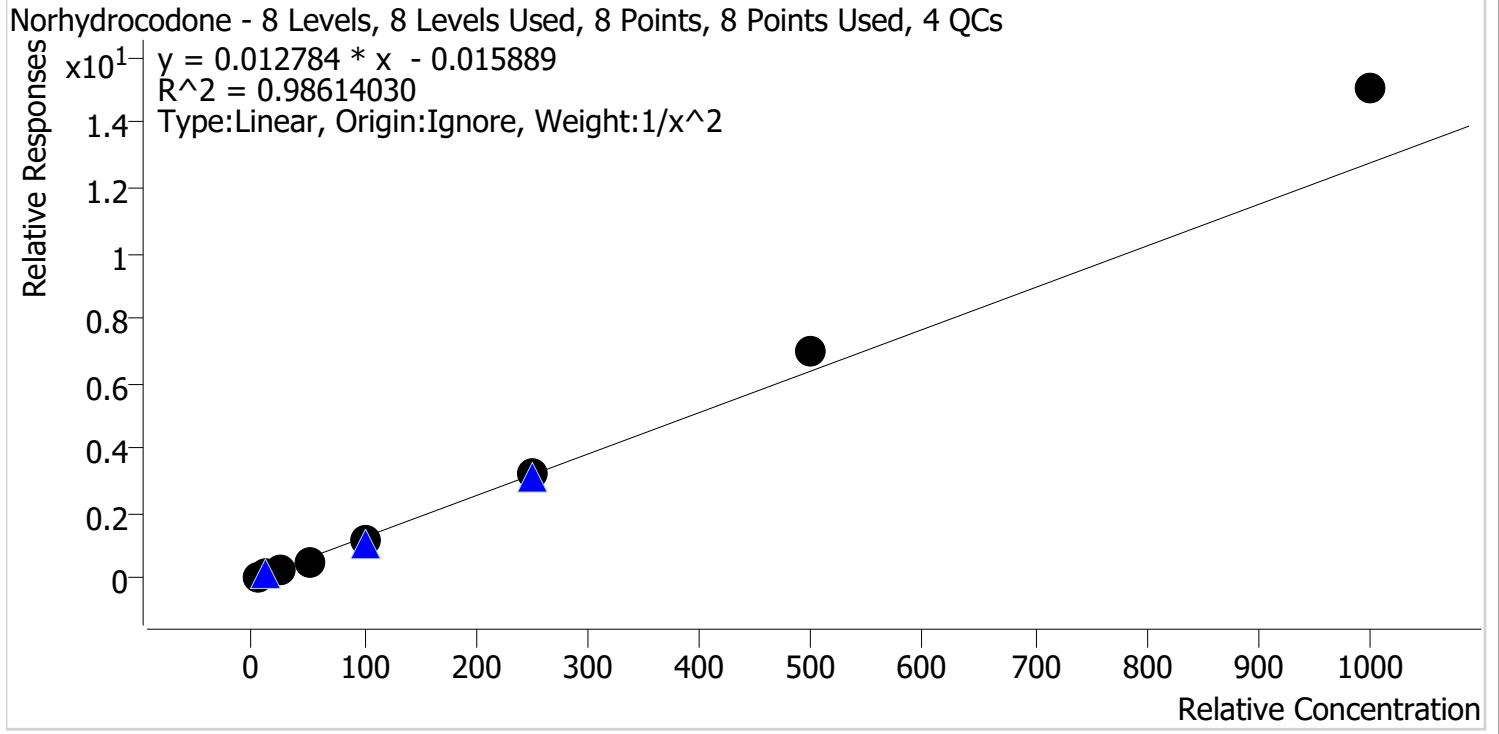
Cal 8 dropped due to accuracy

29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



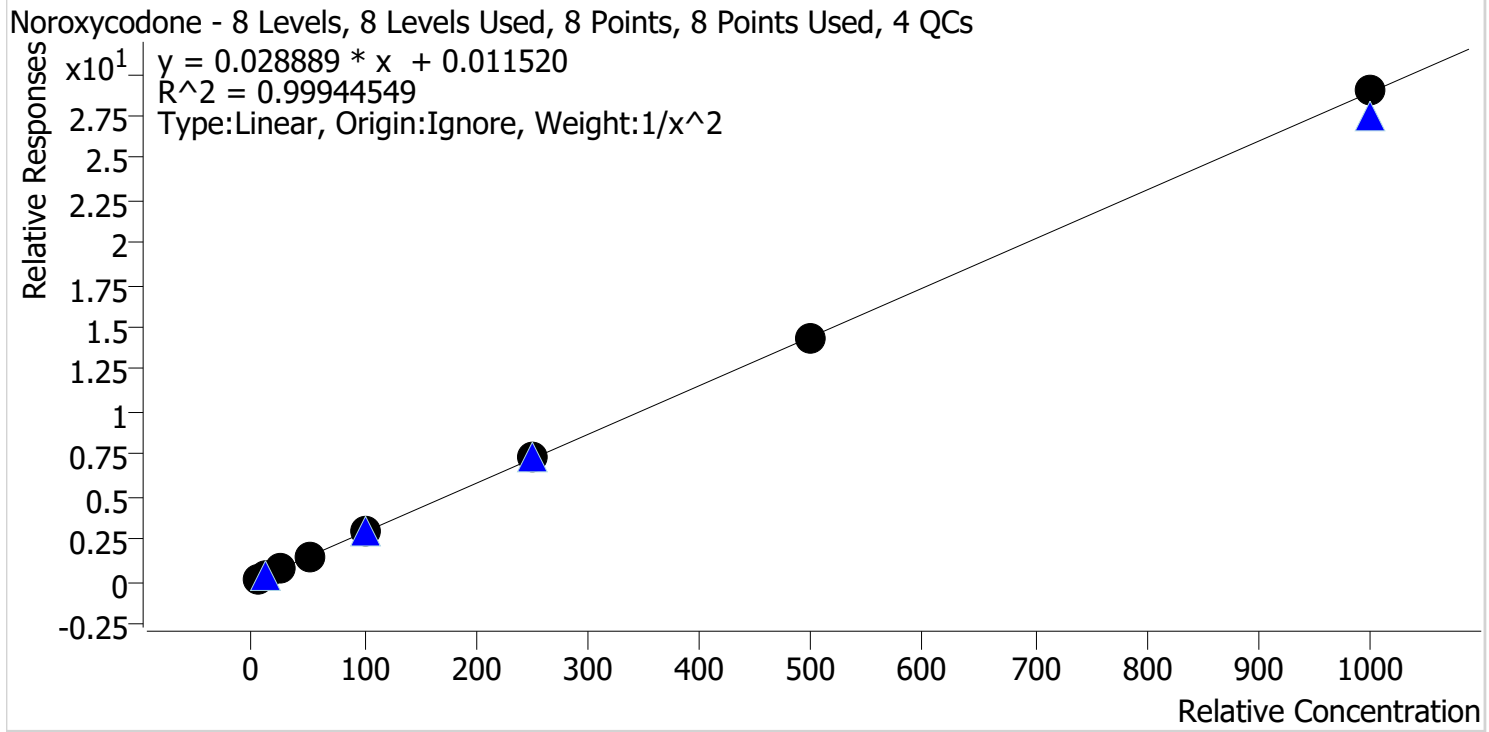
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.4
p1 Cal 2-10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	23.0	91.9
p1 Cal 4-50ng	4	✓	50.0	43.3	86.7
p1 Cal 5-100ng	5	✓	100.0	93.1	93.1
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	544.6	108.9
p1 Cal 8-1000ng	8	✓	1000.0	1178.6	117.9

28



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



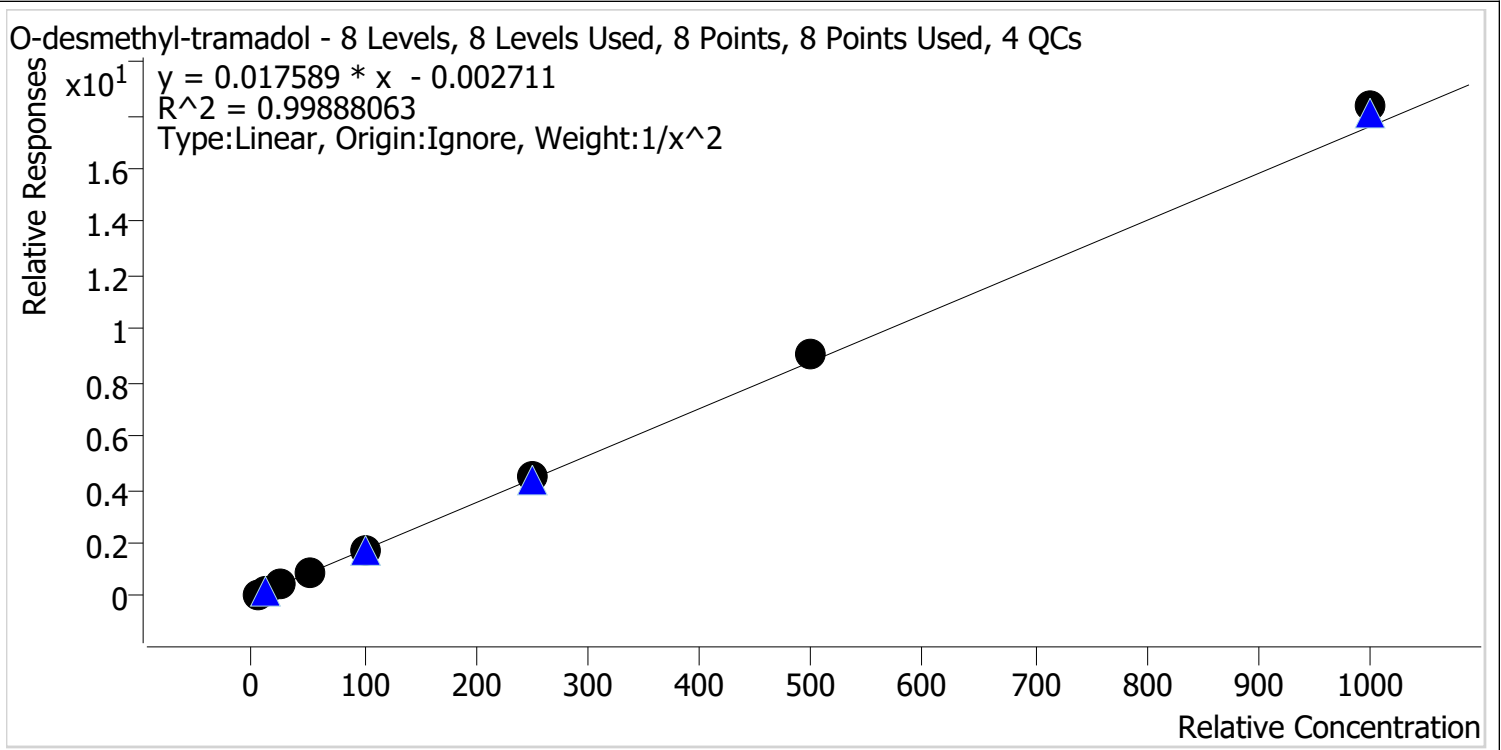
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1003.6	100.4

79



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
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	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	513.9	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1042.9	104.3

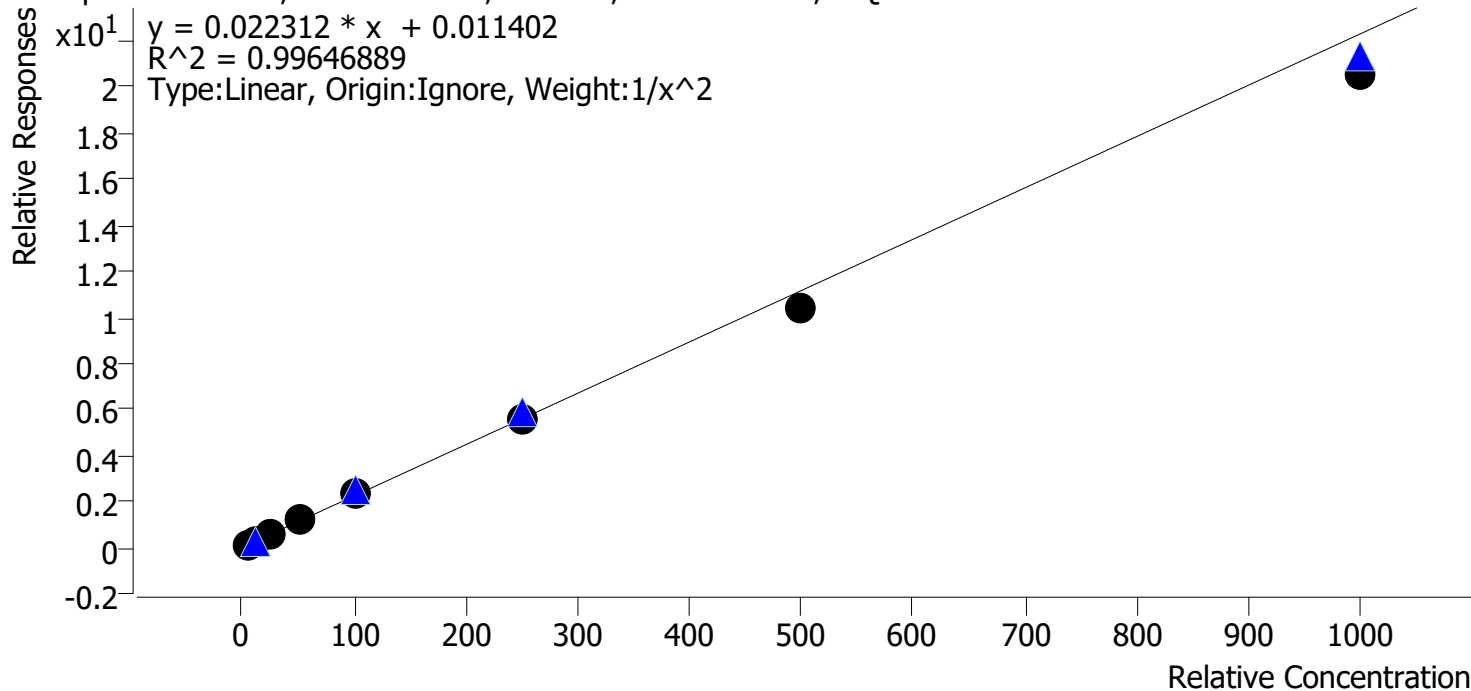
791



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
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	98.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	467.3	93.5
p1 Cal 8-1000ng	8	✓	1000.0	924.1	92.4

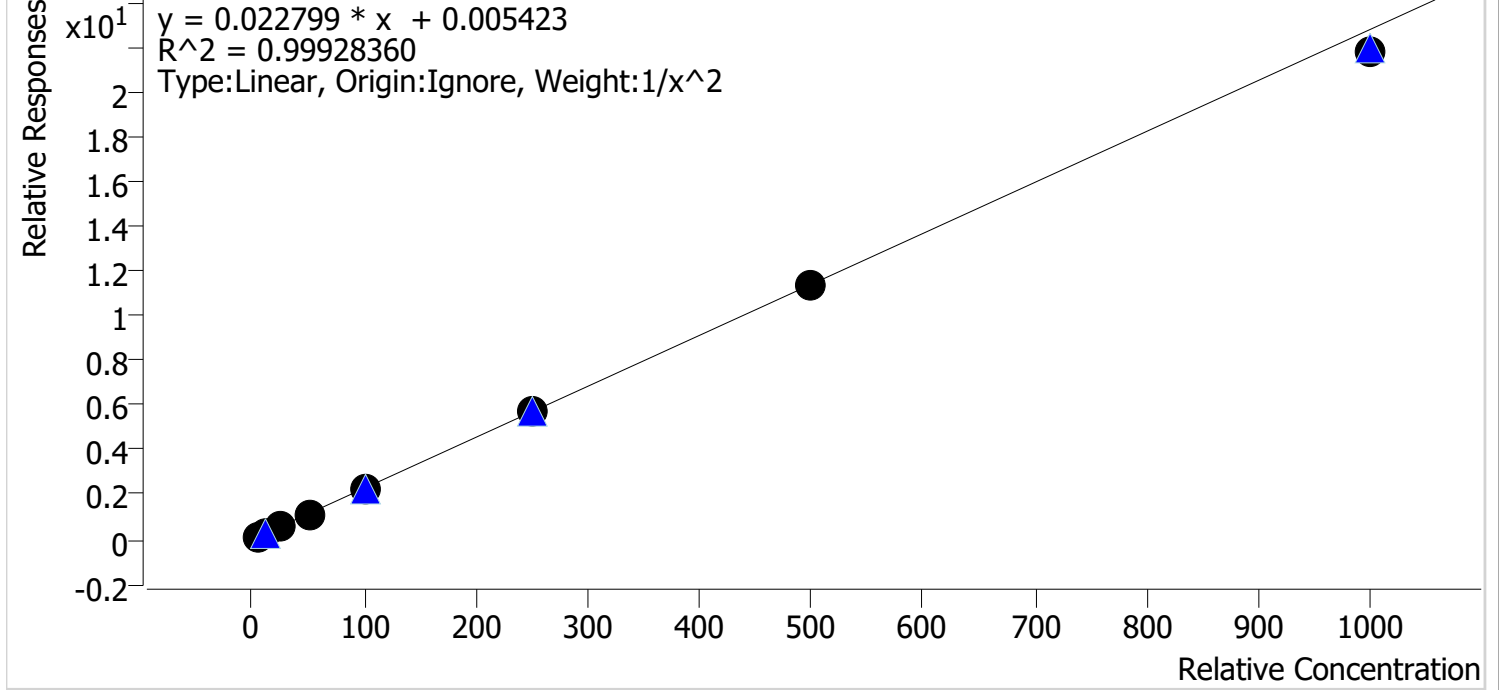
79



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



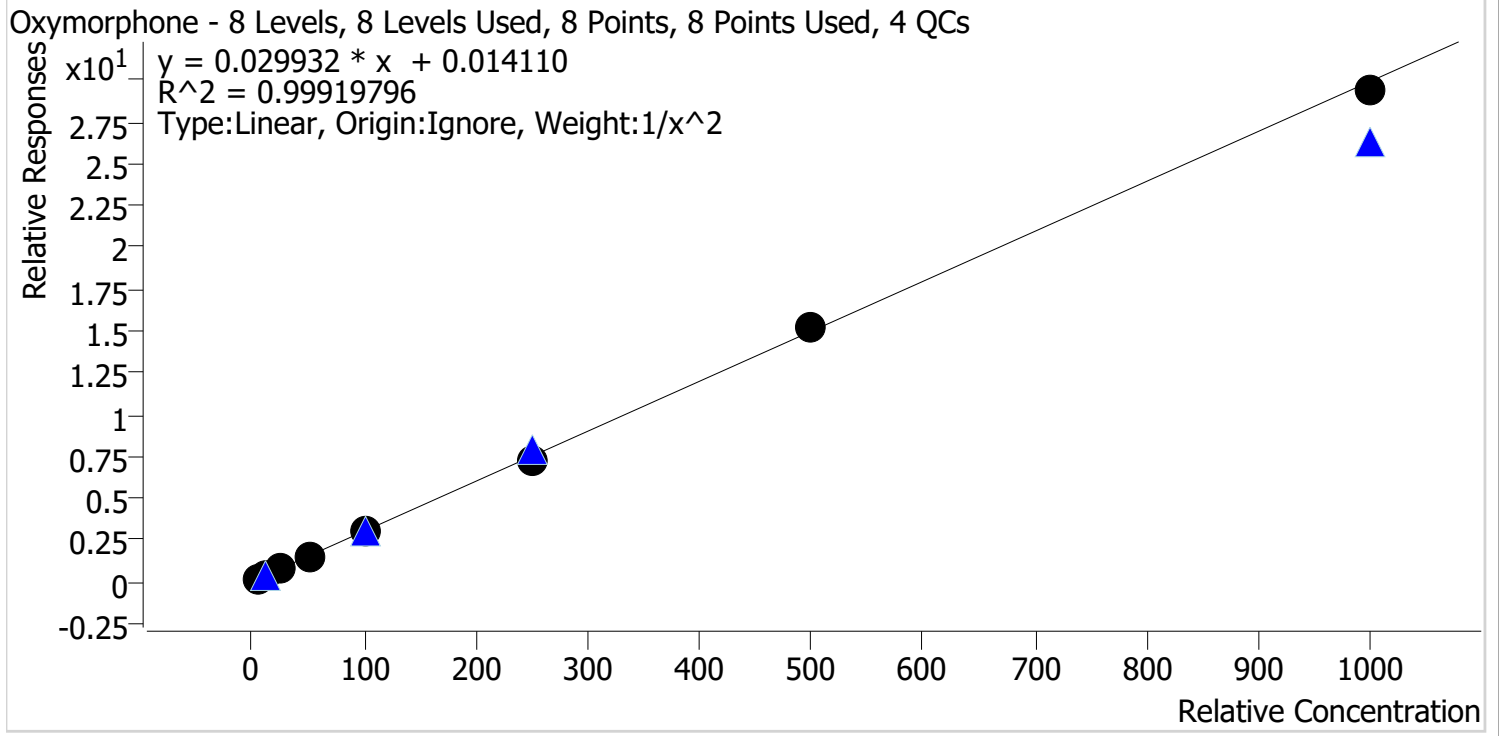
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	495.3	99.1
p1 Cal 8-1000ng	8	✓	1000.0	957.2	95.7

28



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



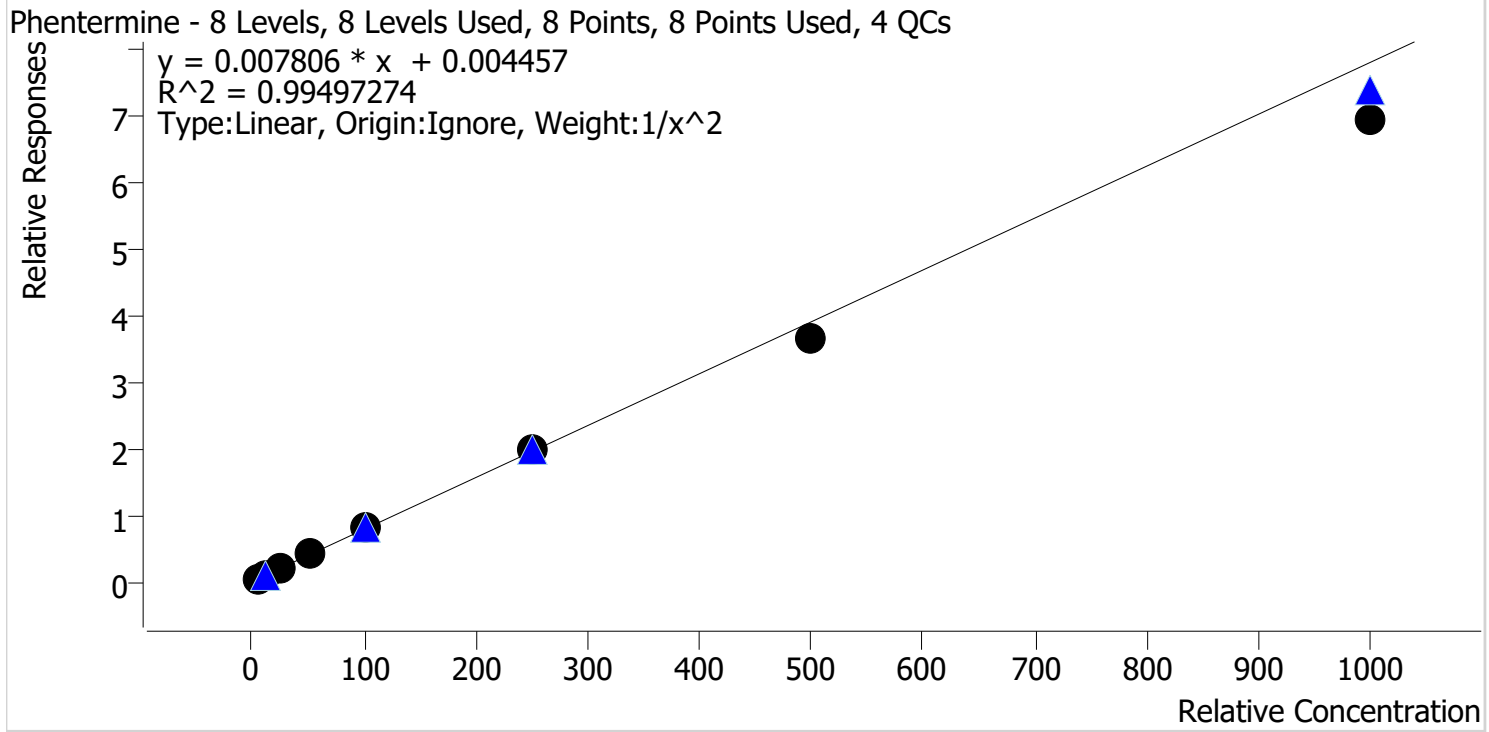
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	243.4	97.4
p1 Cal 7-500ng	7	✓	500.0	507.8	101.6
p1 Cal 8-1000ng	8	✓	1000.0	981.6	98.2

29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	468.4	93.7
p1 Cal 8-1000ng	8	✓	1000.0	891.9	89.2

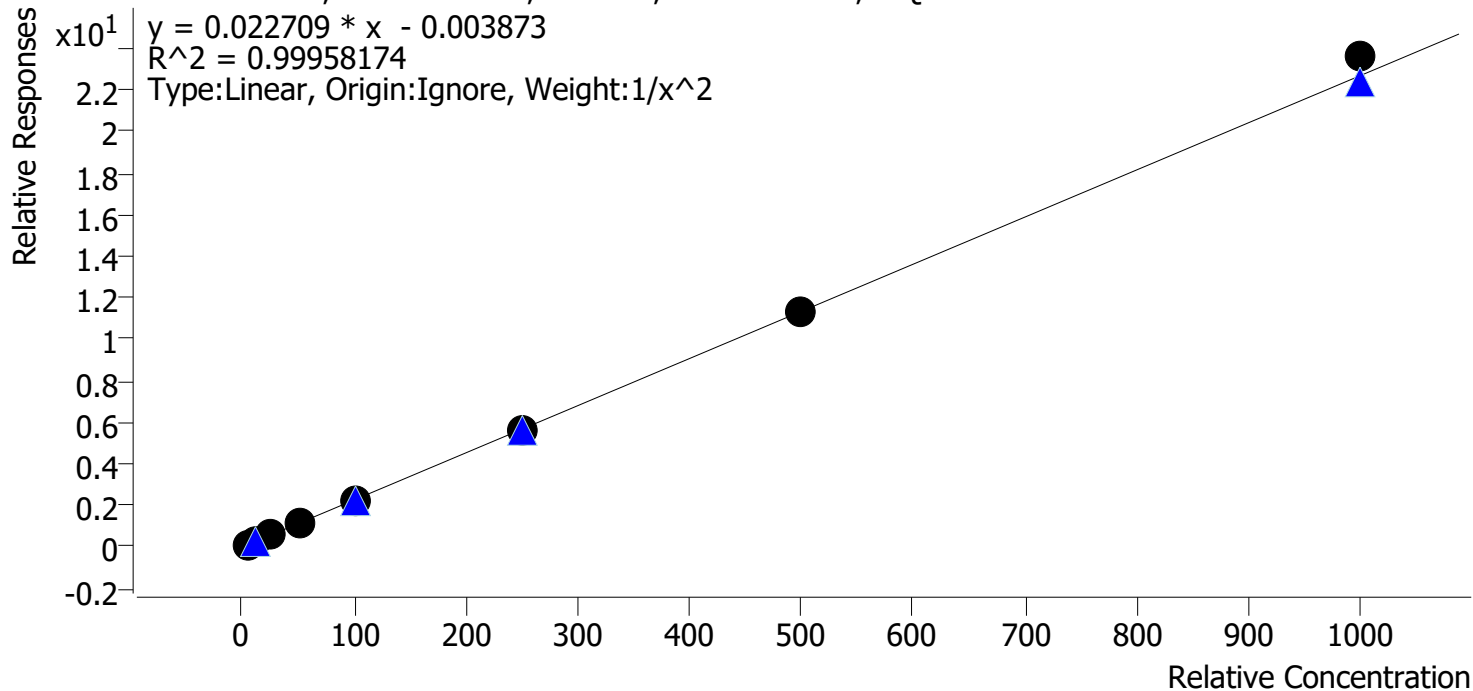
791



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Promethazine **Internal Standard** Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1040.5	104.0

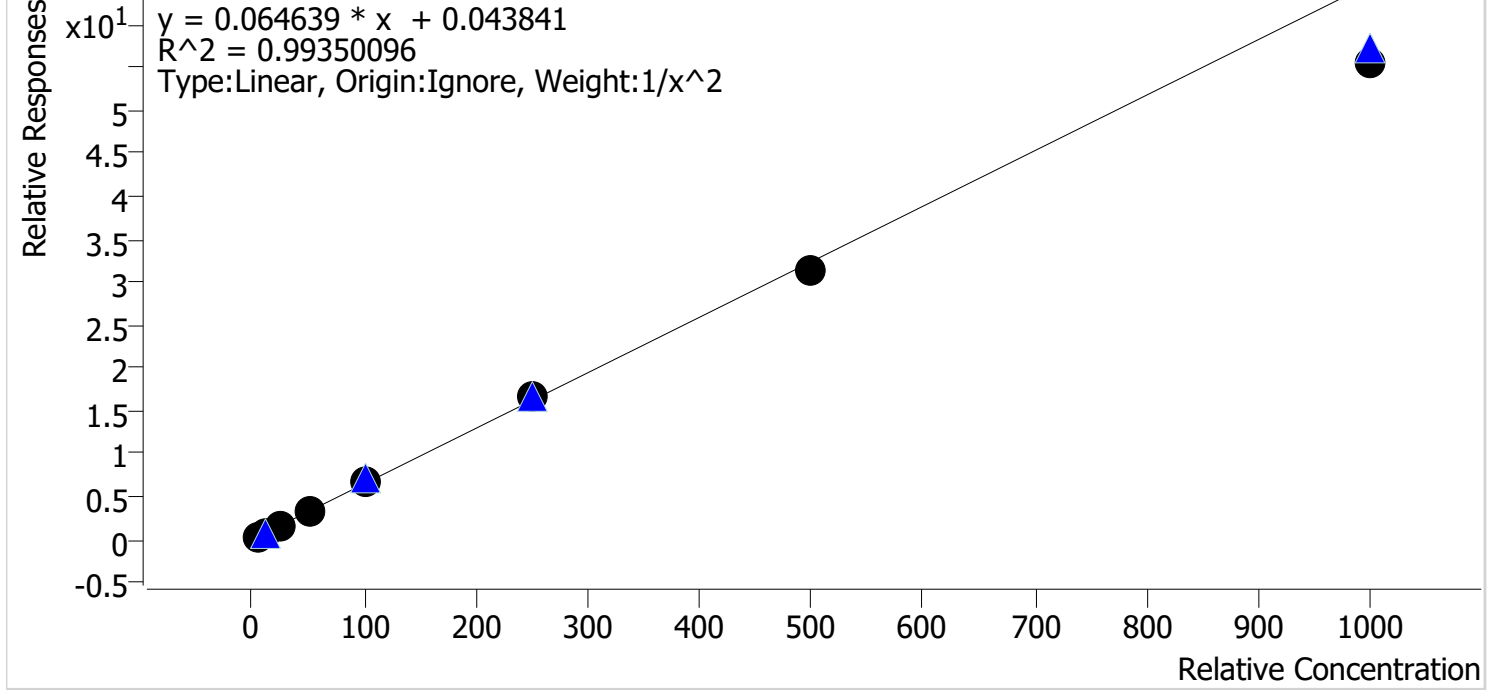
79



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



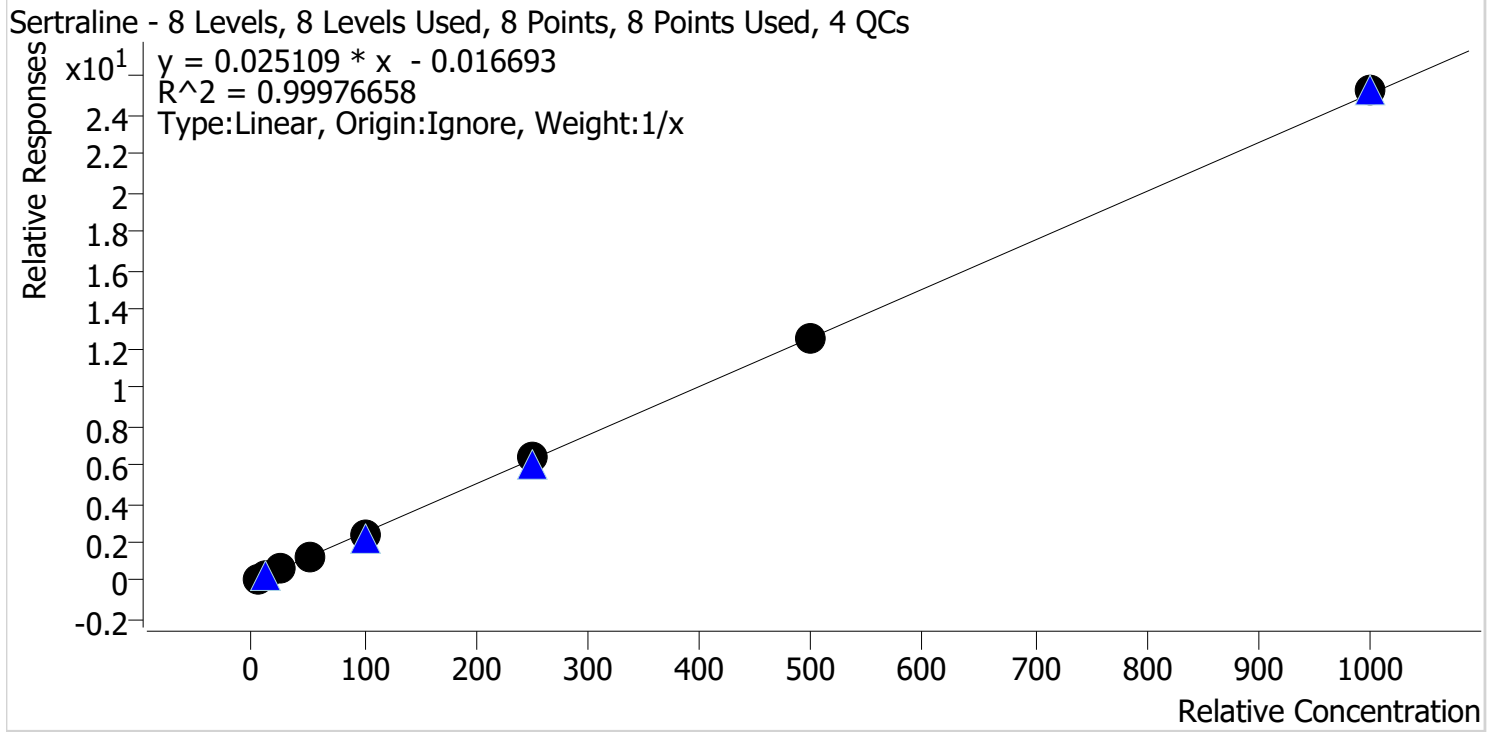
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2-10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	256.7	102.7
p1 Cal 7-500ng	7	✓	500.0	481.7	96.3
p1 Cal 8-1000ng	8	✓	1000.0	855.4	85.5

AS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Sertraline **Internal Standard** Sertraline-D3



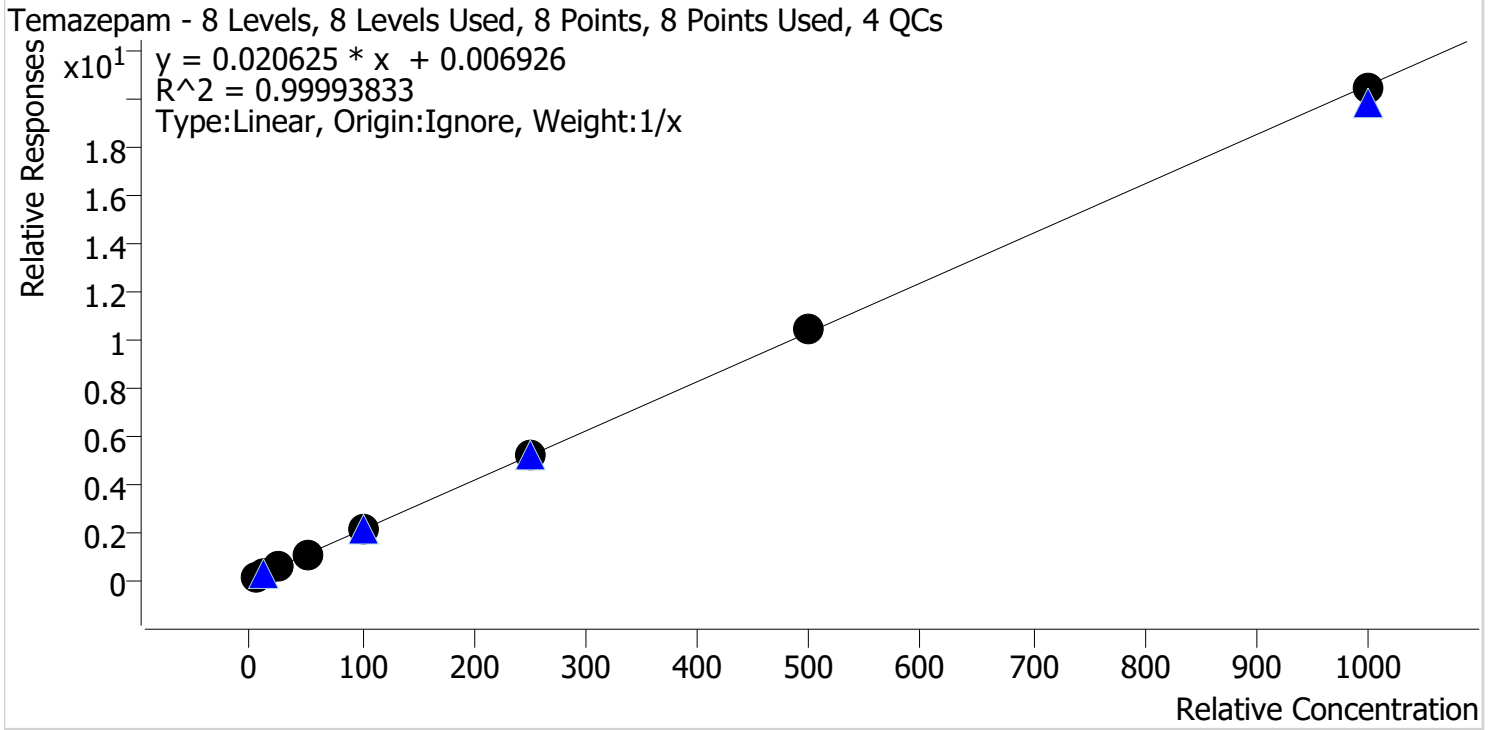
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	47.4	94.9
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	495.5	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1006.9	100.7

29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Temazepam **Internal Standard** Temazepam-D5



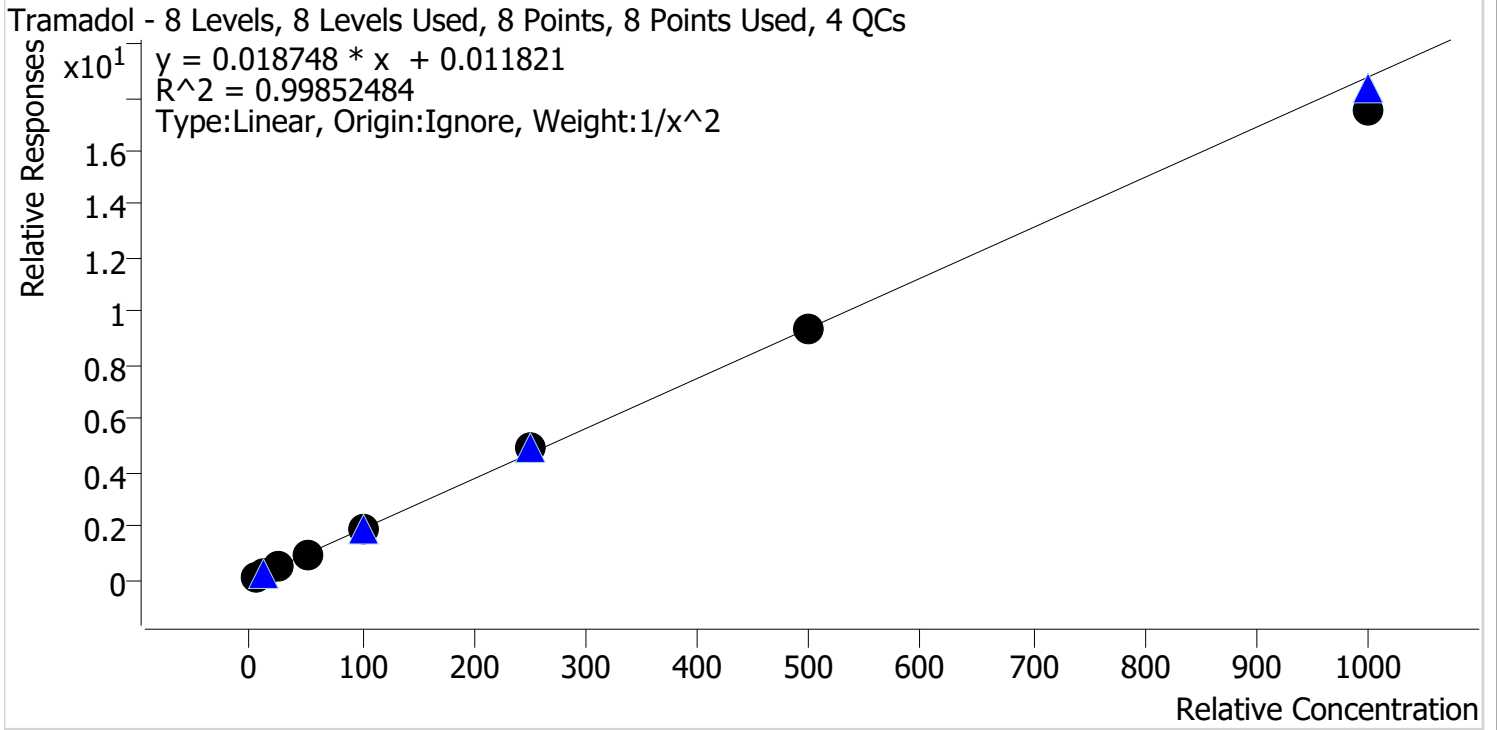
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	503.3	100.7
p1 Cal 8-1000ng	8	✓	1000.0	993.2	99.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	261.4	104.6
p1 Cal 7-500ng	7	✓	500.0	501.4	100.3
p1 Cal 8-1000ng	8	✓	1000.0	935.6	93.6

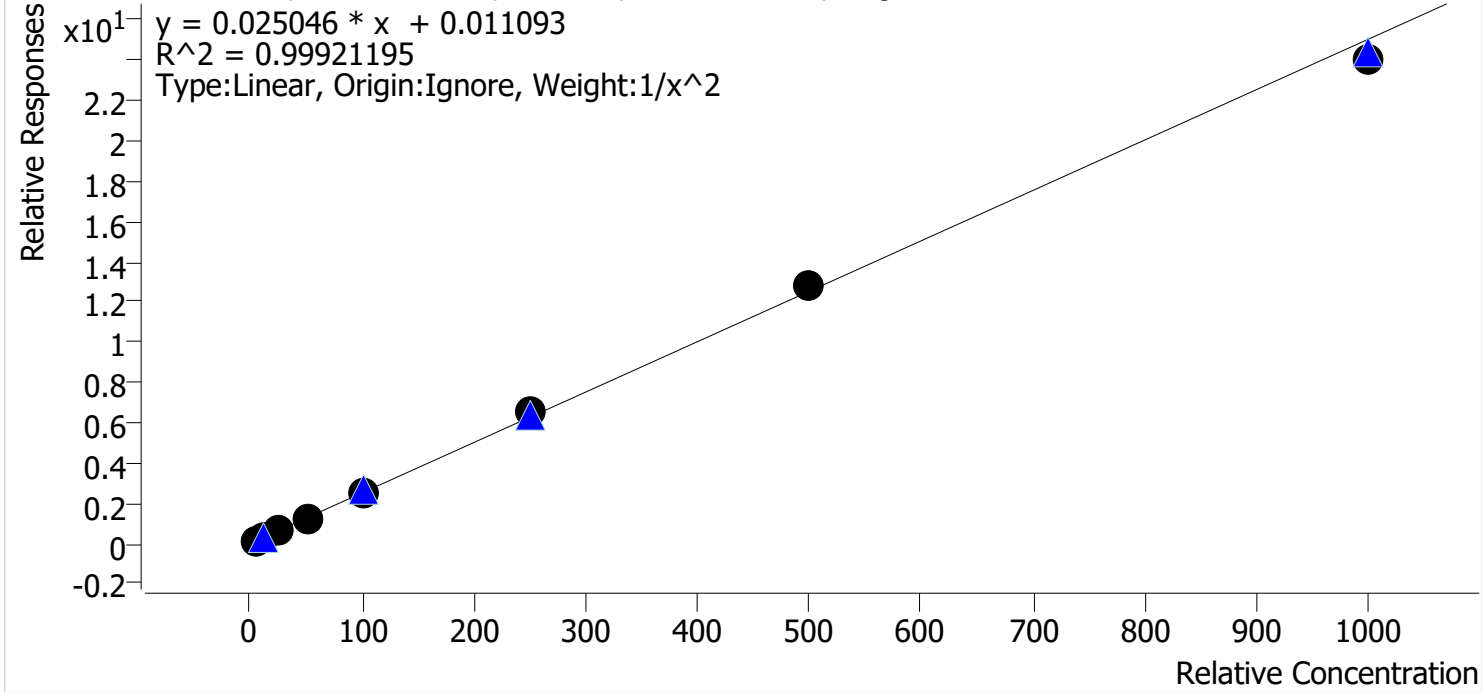
79



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Trazodone **Internal Standard** Trazodone-D6

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



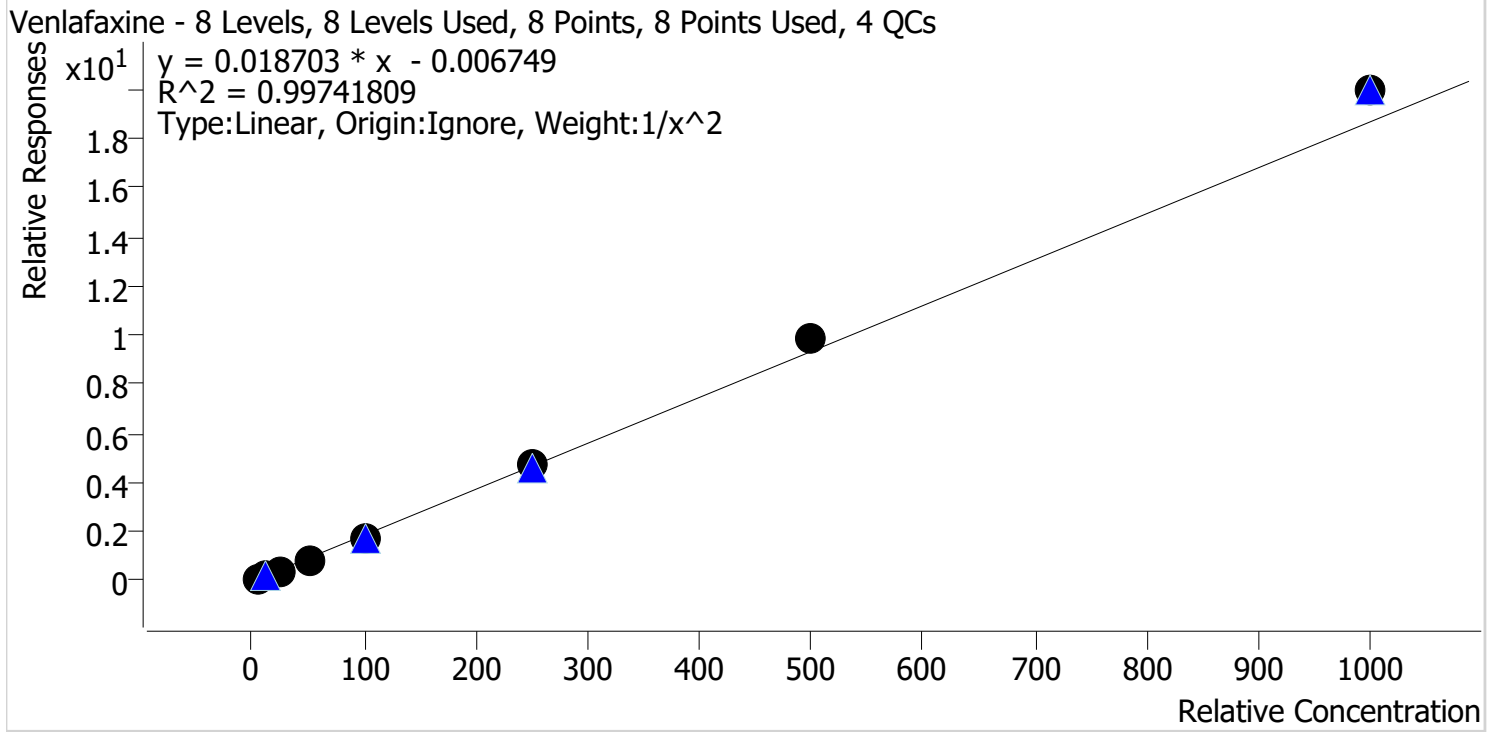
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	259.3	103.7
p1 Cal 7-500ng	7	✓	500.0	512.7	102.5
p1 Cal 8-1000ng	8	✓	1000.0	956.6	95.7

29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



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	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	47.9	95.9
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	524.5	104.9
p1 Cal 8-1000ng	8	✓	1000.0	1068.1	106.8

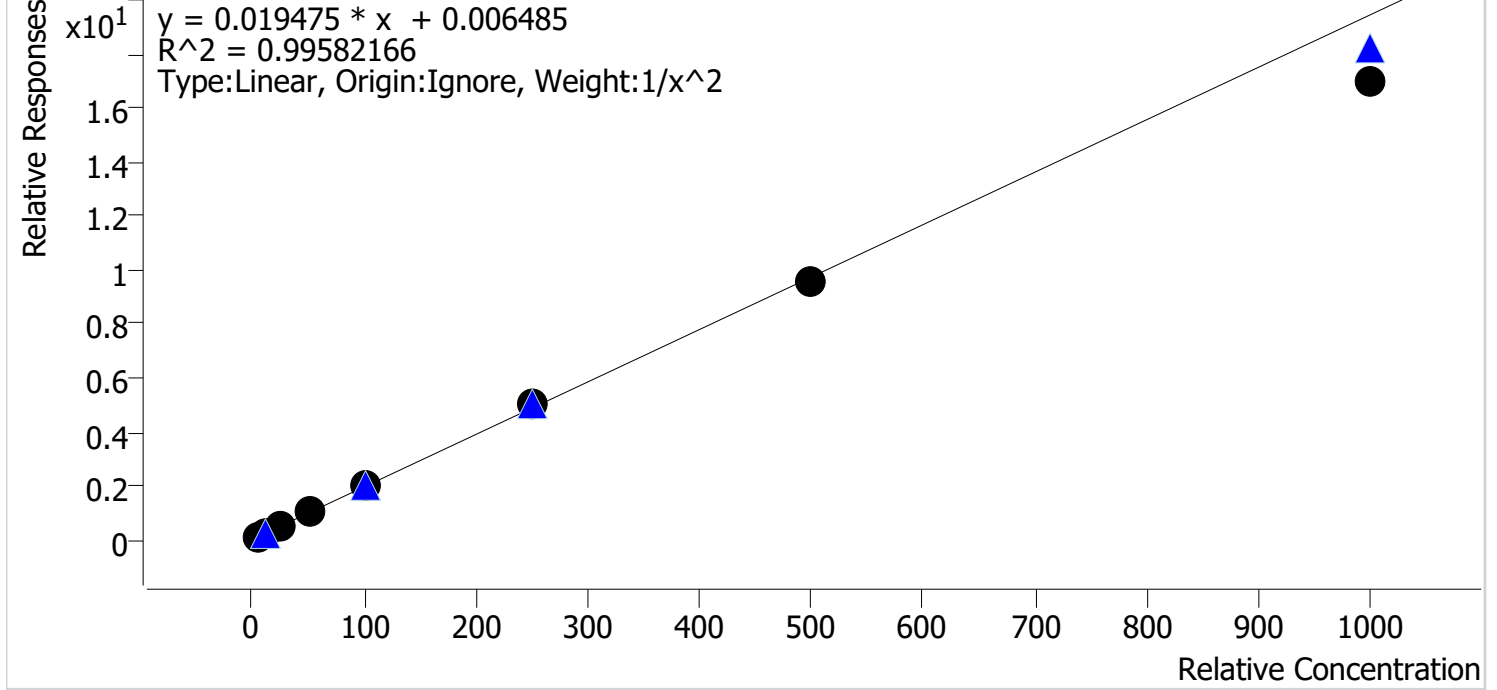
AS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 3/3/2022 7:49 AM
Analyst Name ISP\lagerheart
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	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	258.7	103.5
p1 Cal 7-500ng	7	✓	500.0	494.6	98.9
p1 Cal 8-1000ng	8	✓	1000.0	872.5	87.2

AG

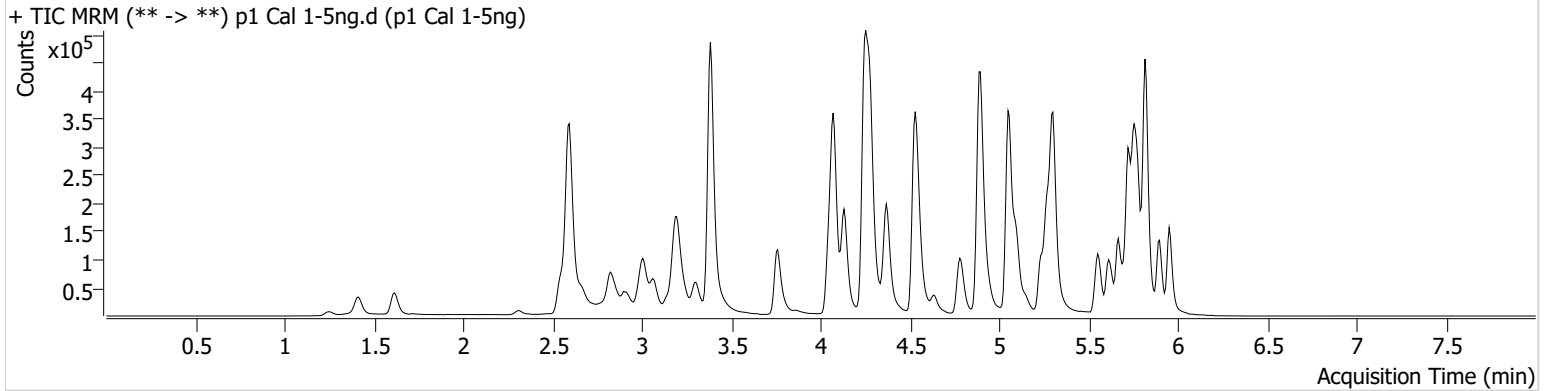


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 5:05:51 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	890	250.72	65.6	2801.27	50790	0.5014 ng/ml
7-aminoclonazepam	4.271	20344	1748.81	69.7	536.06	148865	4.8566 ng/ml
a-hydroxyalprazolam	5.705	11622	257.04	65.3	415.59	271783	4.8249 ng/ml
alpha-PHP	4.944	11608	278.27	261.8	458.09	423716	5.0581 ng/ml
alpha-PVP	4.376	46248	18532.42	52.9	2695.01	423716	5.0332 ng/ml
Alprazolam	5.782	38998	617.81	104.5	1003.01	271783	5.0589 ng/ml
Amphetamine	3.069	48426	618.27	49.0	85.58	144714	4.7947 ng/ml
Buprenorphine	5.812	643	14.31	17.1	11.25	46413	0.4657 ng/ml
Bupropion	4.795	33762	231.03	64.6	364.01	242945	5.0067 ng/ml
Carisoprodol	5.730	48075	3791.91	61.6	142.43	444268	5.6900 ng/ml
Citalopram	5.232	23565	66.30	31.8	200.85	214756	5.0403 ng/ml
Clonazepam	5.618	40705	325.76	36.7	30087.43	112009	4.8262 ng/ml
Clonazolam	5.555	26442	1185.47	37.7	23091.53	112009	4.4167 ng/ml
Cocaine	4.277	36685	78.05	55.1	3656.50	645386	4.9539 ng/ml
Codeine	2.600	6208	328.75	98.5	19349.30	54328	4.9104 ng/ml
Cyclobenzaprine	5.635	5302	156.32	7.5	8.63	53530	6.4212 ng/ml
Dextromethorphan	5.282	10815	316.93	82.1	1799.14	101847	5.0189 ng/ml
Dextrophan	4.132	15342	15595.75	216.7	1372.64	361294	5.0247 ng/ml
Diazepam	5.960	26810	285.61	94.3	1921.50	257337	4.9131 ng/ml
Dihydrocodeine	2.579	12419	174.27	69.9	58395.25	165548	4.8844 ng/ml
Diphenhydramine	5.303	64640	5045.80	31.0	55.46	679498	5.0923 ng/ml
Doxylamine	4.549	100068	2533.38	98.0	836.91	904730	5.0607 ng/ml
EDDP	5.268	29891	234.44	41.0	381.93	327944	5.0840 ng/ml
Etizolam	5.820	19827	49179.76	27.8	6850.42	112009	5.0937 ng/ml
Fentanyl	5.109	1002	94.86	67.1	759.65	113738	0.5192 ng/ml
Flualprazolam	5.712	17251	390.82	100.8	535.55	271783	4.8824 ng/ml
Fluoxetine	5.721	4928	12362.95	9.5	9021.18	38743	5.0919 ng/ml
Hydrocodone	3.039	18509	22.48	37.4	82.29	219880	4.8629 ng/ml
Hydromorphone	1.621	14918	891.37	84.4	776.52	111284	4.9031 ng/ml
Ketamine	4.065	37864	234.87	34.7	71.69	341840	4.9452 ng/ml
Lamotrigine	4.294	4046	149.42	85.4	507.45	341840	4.9826 ng/ml
Levetiracetam	2.663	20766	294.85	138.4	224.63	950607	5.0421 ng/ml
Lorazepam	5.753	37972	674.77	53.9	111.65	112009	3.9043 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.216	55024	272.74	30.2	50.12	351792	4.8347 ng/ml
MDMA	3.310	34907	525.09	93.5	132.13	82552	5.0491 ng/ml
Meprobamate	4.917	29137	2271.89	27.3	935.70	302518	4.7645 ng/ml
Methadone	5.666	24049	432.46	65.6	299.43	226318	5.7496 ng/ml
Methamphetamine	3.238	25176	70.53	39.1	817.97	214490	4.2012 ng/ml
Metoprolol	4.340	11058	1268.41	95.2	362.18	1029060	4.8632 ng/ml
Mirtazapine	4.637	43403	498.11	51.8	863.27	423716	5.3829 ng/ml
Mitragynine	5.237	5712	4036.34	32.8	4046.02	226318	4.5117 ng/ml
Morphine	1.261	2204	1942.36	24.7	180.45	4713	4.8825 ng/ml
Nordiazepam	5.900	30951	447.08	54.9	296.37	213171	4.9563 ng/ml
Norfentanyl	4.099	8593	555.72	33.8	36.74	774090	0.5213 ng/ml
Norhydrocodone	3.086	3093	45.94	46.1	50.28	60054	5.2718 ng/ml
Noroxycodone	2.930	16377	114.33	52.2	16.09	106045	4.9468 ng/ml
O-desmethyl-tramadol	3.389	103401	2648.21	5.8	200.86	1194579	5.0752 ng/ml
Oxazepam	5.756	48622	716.51	68.6	141.87	401419	4.9176 ng/ml
Oxycodone	2.854	30006	155.79	33.0	374.59	251464	4.9959 ng/ml
Oxymorphone	1.418	15629	1065.87	49.4	38.08	97354	4.8920 ng/ml
Phentermine	3.797	13950	255.12	5.7	22.06	331597	4.8185 ng/ml
Promethazine	5.552	12524	291.20	29.9	95.81	113414	5.0332 ng/ml
Pseudoephedrine	2.603	94888	1139.19	16.8	1094.83	950607	5.1086 ng/ml
Quetiapine	5.562	29334	52109.64	59.9	91054.32	82939	4.7933 ng/ml
Sertraline	5.789	1653	38.85	81.6	95.06	13617	5.4987 ng/ml
Temazepam	5.823	85461	10631.84	26.4	55.72	793129	4.8886 ng/ml
Tramadol	4.259	107765	1534.03	2.9	81.61	1029060	4.9553 ng/ml
Trazodone	5.149	25450	3311.40	77.3	1152.60	185843	5.0249 ng/ml
Venlafaxine	5.050	74284	15626.25	31.3	394.28	837493	5.1033 ng/ml
Zolpidem	4.914	83946	1758.74	29.3	591.77	823246	4.9029 ng/ml

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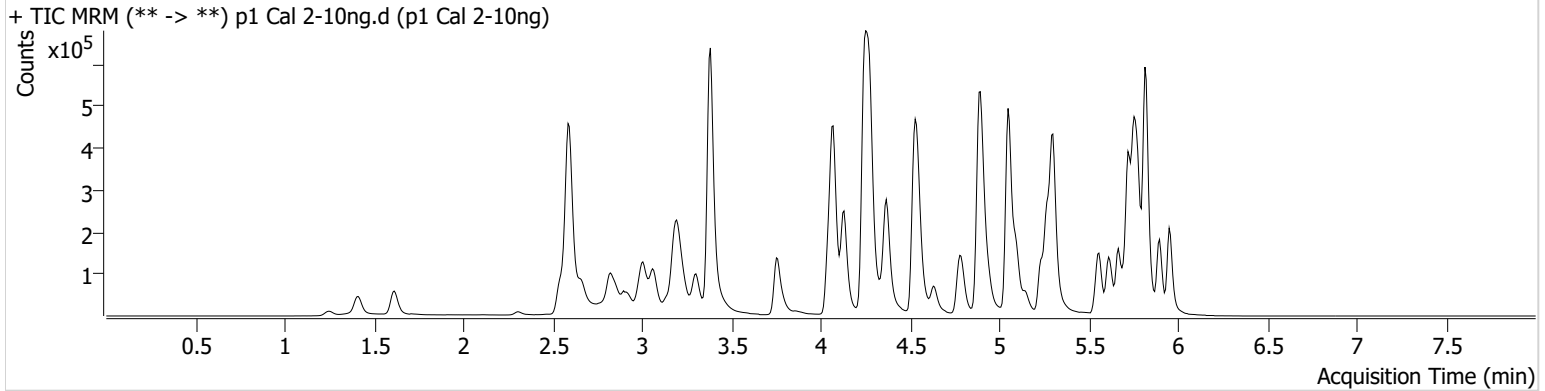


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 Cal 2-10ng.d
Type	Cal	Sample	p1 Cal 2-10ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 5:16:38 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	2224	316.67	63.2	2012.60	62905	1.0098 ng/ml
7-aminoclonazepam	4.271	47800	3820.04	72.6	136.90	181484	10.1212 ng/ml
a-hydroxyalprazolam	5.705	24645	864.32	70.3	315.74	312337	10.1500 ng/ml
alpha-PHP	4.944	28204	1013.30	264.6	2243.09	520507	9.8161 ng/ml
alpha-PVP	4.376	115709	1730.66	53.3	6578.25	520507	10.0255 ng/ml
Alprazolam	5.782	91740	544.93	102.1	467.01	312337	9.9472 ng/ml
Amphetamine	3.069	117380	1380.75	49.8	772.50	177285	10.2673 ng/ml
Benzoylecgonine	3.892	2430	15.02	8.3	57.09	9159	10.2665 ng/ml
Buprenorphine	5.812	1367	57.39	12.6	292.26	48484	1.1036 ng/ml
Bupropion	4.795	84449	716.83	64.6	208.43	311067	9.9771 ng/ml
Carisoprodol	5.730	108645	9556.35	62.3	470.03	508160	10.2538 ng/ml
Citalopram	5.232	49695	1819.02	32.1	399.93	228299	9.8675 ng/ml
Clonazepam	5.618	91501	2175.31	36.3	203.93	128880	10.2180 ng/ml
Clonazepam	5.555	62217	115962.40	39.5	23265.87	128880	9.9126 ng/ml
Cocaine	4.277	91299	6562.37	55.1	11686.53	794203	10.1431 ng/ml
Codeine	2.600	13940	5164.03	101.2	74.98	65943	9.7246 ng/ml
Cyclobenzaprine	5.635	9543	16830.37	8.0	1020.99	46430	11.2313 ng/ml
Dextromethorphan	5.282	21810	124.12	79.8	163.82	105728	9.9313 ng/ml
Dextrophan	4.132	37683	8997.41	211.8	5121.85	433944	10.0155 ng/ml
Diazepam	5.960	63538	14393.41	91.3	1180.69	298075	10.2336 ng/ml
Dihydrocodeine	2.572	30708	48.48	67.6	1648.90	202636	10.1995 ng/ml
Diphenhydramine	5.303	135292	3463.80	32.1	609.96	731416	9.8199 ng/ml
Doxylamine	4.549	232041	2208.05	99.0	23051.41	1078287	9.7864 ng/ml
EDDP	5.268	66414	358.90	39.6	8583.94	373161	9.8769 ng/ml
Etizolam	5.820	47546	10815.78	26.6	1187.87	128880	10.0038 ng/ml
Fentanyl	5.109	1818	71.45	58.8	16.34	115676	0.9410 ng/ml
Flualprazolam	5.712	38881	1736.84	102.8	2427.41	312337	10.2507 ng/ml
Fluoxetine	5.721	7870	2188.56	6.8	∞	30142	9.9741 ng/ml
Hydrocodone	3.039	45636	302.20	36.5	136.78	270417	10.1727 ng/ml
Hydromorphone	1.621	37991	135843.47	79.2	601.39	130895	10.4978 ng/ml
Ketamine	4.059	93823	41624.64	35.2	118.27	428700	10.1565 ng/ml
Lamotrigine	4.294	9360	90.40	89.8	9236.18	428700	9.8150 ng/ml
Levetiracetam	2.663	47778	656.07	140.0	1111.75	1149669	9.7161 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	5.753	82511	1287.62	56.3	238.92	128880	10.3854 ng/ml
MDA	3.209	129457	315.78	29.4	116.86	411860	10.2499 ng/ml
MDMA	3.310	82705	1342.65	96.1	302.24	98708	9.8906 ng/ml
Meprobamate	4.911	66262	861.11	27.2	954.96	343025	10.5046 ng/ml
Methadone	5.666	47525	515.74	67.3	850.85	229811	10.1941 ng/ml
Methamphetamine	3.238	60407	312.35	39.0	111.62	264022	9.6804 ng/ml
Metoprolol	4.340	26560	909.51	97.2	672.58	1267838	10.1473 ng/ml
Mirtazapine	4.637	97126	1877.31	51.8	2434.92	520507	9.0865 ng/ml
Mitragynine	5.237	12887	626.94	33.0	135.41	229811	11.6837 ng/ml
Morphine	1.253	5651	2041.14	23.1	675.83	5492	10.3673 ng/ml
Norbuprenorphine	5.006	158	308.91	98.8	∞	8163	0.9809 ng/ml
Nordiazepam	5.900	70734	2901.60	55.7	369.73	246046	10.0085 ng/ml
Norfentanyl	4.093	19641	2901.49	36.1	74.51	933616	0.9527 ng/ml
Norhydrocodone	3.086	7432	116.73	42.4	143.54	70134	9.5322 ng/ml
Noroxycodone	2.930	39004	571.75	53.5	246.47	127659	10.1771 ng/ml
O-desmethyl-tramadol	3.389	250000	13581.04	5.9	239.33	1460051	9.8888 ng/ml
Oxazepam	5.763	108102	1364.60	71.8	161.53	462191	9.9715 ng/ml
Oxycodone	2.854	72549	16.06	32.0	549.95	315509	9.8478 ng/ml
Oxymorphone	1.411	36043	50.27	50.7	66.44	110870	10.3894 ng/ml
Phentermine	3.790	33866	207.32	5.5	46.59	395936	10.3869 ng/ml
Promethazine	5.552	22271	1264.92	30.5	68.74	100258	9.9522 ng/ml
Pseudoephedrine	2.603	229057	467.28	17.1	488.90	1149669	9.8334 ng/ml
Quetiapine	5.562	64414	6033.63	58.4	82.40	89500	10.4561 ng/ml
Sertraline	5.789	2028	30.32	85.4	2763.58	8717	9.9287 ng/ml
Temazepam	5.823	196073	2870.92	26.9	246.74	915624	10.0470 ng/ml
Tramadol	4.259	254135	19668.57	3.1	62.67	1267838	10.0613 ng/ml
Trazodone	5.149	52591	2614.82	77.5	325.60	202694	9.9165 ng/ml
Venlafaxine	5.050	181639	1581.15	31.8	967.44	1017587	9.9048 ng/ml
Zolpidem	4.914	200540	1115.57	29.2	924.22	981991	10.1531 ng/ml

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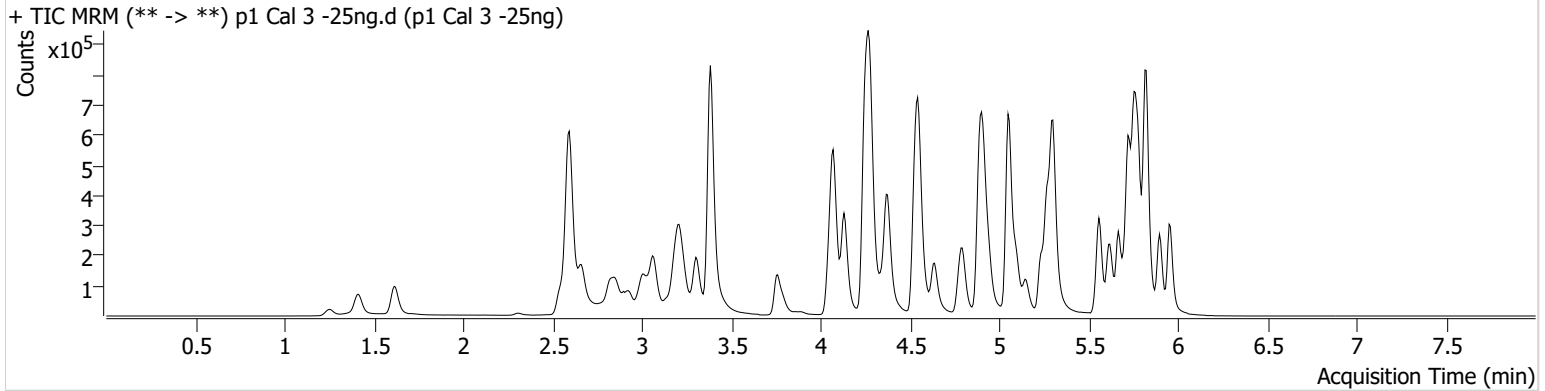


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 5:27:14 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	6079	643.30	65.5	11902.64	70978	2.4437 ng/ml
7-aminoclonazepam	4.271	125941	4281.35	69.6	2463.06	188535	26.9305 ng/ml
a-hydroxyalprazolam	5.705	65254	264.24	68.8	2150.38	330341	27.6293 ng/ml
alpha-PHP	4.944	78192	1903.03	259.6	2256.31	571583	24.4888 ng/ml
alpha-PVP	4.376	312157	8240.80	52.0	311.78	571583	24.3126 ng/ml
Alprazolam	5.782	241158	2696.10	102.9	2728.78	330341	24.1439 ng/ml
Amphetamine	3.069	267655	1163.96	48.3	130.27	164224	26.4399 ng/ml
Benzoylcegonine	3.892	7891	104.23	6.9	36.96	11177	25.2534 ng/ml
Buprenorphine	5.819	3618	244.77	14.8	383.33	58172	2.6175 ng/ml
Bupropion	4.801	227680	249.15	64.7	5636.40	339477	24.9510 ng/ml
Carisoprodol	5.730	279199	9925.94	60.7	704.53	517401	24.3363 ng/ml
Citalopram	5.232	143319	475.52	31.6	1283.37	258635	24.9141 ng/ml
Clonazepam	5.618	232656	11668.86	35.6	4899.64	130946	26.8146 ng/ml
Clonazepam	5.555	162034	149487.99	36.7	141396.75	130946	26.7256 ng/ml
Cocaine	4.277	242457	26551.64	55.4	957.72	846814	25.4441 ng/ml
Codeine	2.600	38216	4619.85	94.9	53031.85	67657	27.2437 ng/ml
Cyclobenzaprine	5.635	35580	33216.15	7.7	34.68	67553	25.7373 ng/ml
Dextromethorphan	5.282	66086	38308.11	80.6	121.05	126265	25.4935 ng/ml
Dextrophan	4.132	98456	542.98	211.6	779.69	453919	24.6431 ng/ml
Diazepam	5.960	164971	1909.26	90.6	2103.30	316667	25.2610 ng/ml
Dihydrocodeine	2.572	81956	204.57	65.9	315.31	216896	25.9185 ng/ml
Diphenhydramine	5.303	387688	25193.05	32.1	4082.01	837303	24.4506 ng/ml
Doxylamine	4.549	646020	28695.99	97.9	611.70	1177159	24.8598 ng/ml
EDDP	5.268	196697	3649.53	41.6	219.16	455032	23.9136 ng/ml
Etizolam	5.820	118276	5605.00	28.1	93178.98	130946	23.6745 ng/ml
Fentanyl	5.109	5717	333.87	68.6	130.35	142225	2.4347 ng/ml
Flualprazolam	5.712	98747	1951.50	108.2	6035.53	330341	25.5995 ng/ml
Fluoxetine	5.721	31217	34642.00	8.4	698.74	48862	23.7456 ng/ml
Hydrocodone	3.039	122786	126.59	36.6	254.29	283321	26.7840 ng/ml
Hydromorphone	1.621	105115	1343.05	79.3	670.07	154529	24.4676 ng/ml
Ketamine	4.065	242624	22541.32	35.7	4562.82	456157	25.2484 ng/ml
Lamotrigine	4.294	25491	949.58	83.7	7327.36	456157	26.2718 ng/ml
Levetiracetam	2.663	132235	2194.88	141.4	5197.65	1181167	26.4075 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	5.753	196932	3392.96	56.9	720.24	130946	28.9695 ng/ml
MDA	3.209	325764	1307.10	30.2	170.44	412511	26.5521 ng/ml
MDMA	3.310	214821	13749.08	93.2	379.17	102606	24.5398 ng/ml
Meprobamate	4.911	172443	197.51	26.5	1178.83	358536	27.5609 ng/ml
Methadone	5.666	151520	1094.57	66.6	2001.52	288939	24.2341 ng/ml
Methamphetamine	3.238	135990	484.40	38.0	1118.32	242795	25.9732 ng/ml
Metoprolol	4.340	69768	211911.92	96.1	6683.89	1326485	26.5356 ng/ml
Mirtazapine	4.637	268847	1501.00	51.6	43505.40	571583	21.5731 ng/ml
Mitragynine	5.243	34129	35647.46	34.1	24019.10	288939	26.1141 ng/ml
Morphine	1.253	16212	96.84	23.5	155.76	6423	24.9767 ng/ml
Norbuprenorphine	5.006	537	74.12	91.1	296.83	9221	2.7864 ng/ml
Nordiazepam	5.900	182185	2858.11	54.2	4895.82	250158	25.6595 ng/ml
Norfentanyl	4.099	52089	3501.14	36.9	160.06	986254	2.3321 ng/ml
Norhydrocodone	3.080	19598	231.59	40.0	99.05	70506	22.9847 ng/ml
Noroxycodone	2.930	100636	366.69	52.7	1350.44	133500	25.6947 ng/ml
O-desmethyl-tramadol	3.389	656389	1335.00	5.7	1842.96	1544488	24.3158 ng/ml
Oxazepam	5.763	272640	2916.93	71.5	11678.70	454157	26.3942 ng/ml
Oxycodone	2.854	197868	1507.35	31.9	5712.54	332279	25.8814 ng/ml
Oxymorphone	1.411	95872	∞	48.8	2573.10	123304	25.5048 ng/ml
Phentermine	3.797	80166	197.70	5.7	48.36	383542	26.2060 ng/ml
Promethazine	5.552	80505	169.34	30.6	1025.34	144448	24.7125 ng/ml
Pseudoephedrine	2.603	584797	10419.45	17.2	6870.02	1181167	23.8941 ng/ml
Quetiapine	5.562	170572	1379.37	59.6	102.10	97072	26.5059 ng/ml
Sertraline	5.789	10533	58.69	89.6	51.46	17640	24.4448 ng/ml
Temazepam	5.823	494683	6343.24	26.6	976.42	950223	24.9058 ng/ml
Tramadol	4.259	651134	9915.93	3.3	541.49	1326485	25.5525 ng/ml
Trazodone	5.149	136314	760.20	80.8	170.11	214203	24.9656 ng/ml
Venlafaxine	5.050	475485	41034.94	32.4	2465.77	1091577	23.6510 ng/ml
Zolpidem	4.914	529283	454.95	29.5	1575.86	1042401	25.7389 ng/ml

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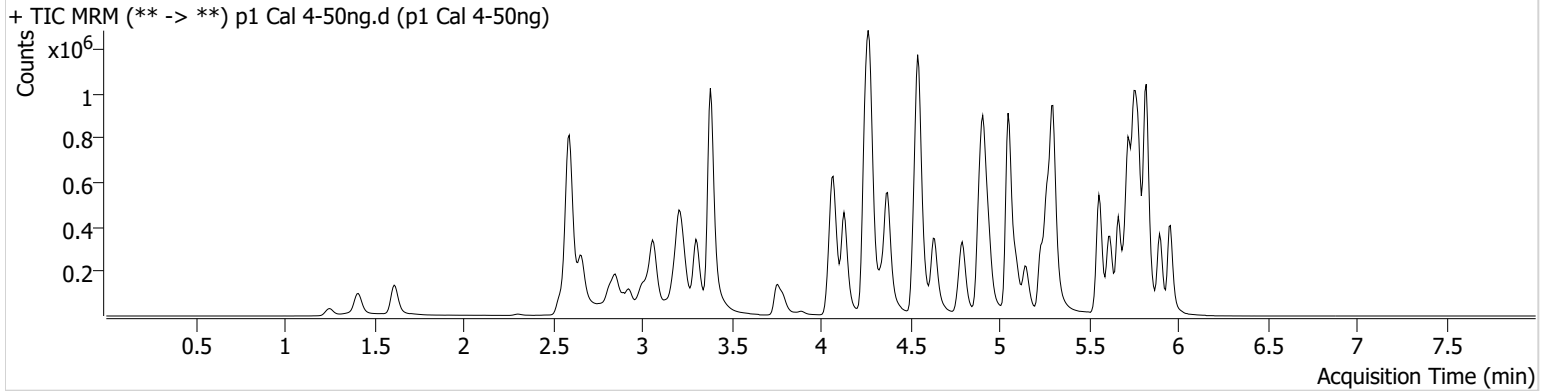


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 5:37:50 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	10898	1513.02	67.8	302.69	63852	4.8687 ng/ml
7-aminoclonazepam	4.271	227638	4917.44	73.1	1989.59	175859	52.9554 ng/ml
a-hydroxyalprazolam	5.699	112145	990.37	68.2	429.11	290788	55.3478 ng/ml
alpha-PHP	4.944	148323	6037.65	261.5	50479.53	529582	49.9355 ng/ml
alpha-PVP	4.376	584325	715.49	51.8	742.59	529582	48.8981 ng/ml
Alprazolam	5.782	431650	1237.66	102.5	∞	290788	48.6907 ng/ml
Amphetamine	3.063	563709	512.69	46.9	383.07	164990	56.3013 ng/ml
Benzoylecgonine	3.892	15240	367.08	7.7	142.63	10560	50.3237 ng/ml
Buprenorphine	5.812	8032	1008.76	14.5	2766.67	64616	5.3817 ng/ml
Bupropion	4.795	419067	29465.50	64.5	6743.74	313671	49.9075 ng/ml
Carisoprodol	5.730	484257	30920.09	61.9	422.17	459069	46.6065 ng/ml
Citalopram	5.232	304503	9466.37	31.0	402871.76	272021	50.1930 ng/ml
Clonazepam	5.618	422426	4083.40	34.7	422013.49	119557	54.1422 ng/ml
Clonazepam	5.555	283772	390177.79	37.7	237451.09	119557	52.0367 ng/ml
Cocaine	4.277	448153	21006.66	55.9	10111.21	800479	49.8688 ng/ml
Codeine	2.593	69854	465.46	91.8	146.65	61224	55.7986 ng/ml
Cyclobenzaprine	5.635	67188	4233.64	7.7	242.50	65905	47.9938 ng/ml
Dextromethorphan	5.282	142044	736.74	83.0	654.84	145013	47.8783 ng/ml
Dextrophan	4.132	196273	1820.48	209.2	1674.74	452778	49.0014 ng/ml
Diazepam	5.960	295898	3930.04	91.6	709.68	280263	51.3721 ng/ml
Dihydrocodeine	2.572	154474	191.94	66.8	5313.19	203771	52.3275 ng/ml
Diphenhydramine	5.303	823901	72171.17	32.0	22397.72	906872	47.8921 ng/ml
Doxylamine	4.549	1283813	78760.91	97.6	11629.54	1179412	49.2467 ng/ml
EDDP	5.268	370127	4874.62	40.3	544.85	415548	49.2179 ng/ml
Etizolam	5.820	214732	2383.40	27.1	148360.38	119557	46.5175 ng/ml
Fentanyl	5.109	13077	369.94	66.8	6375.02	163183	4.8725 ng/ml
Flualprazolam	5.712	175902	3203.91	108.0	33789.61	290788	52.5234 ng/ml
Fluoxetine	5.721	45441	135.44	8.5	865.55	35817	46.7070 ng/ml
Hydrocodone	3.032	226222	846.71	37.3	119.93	269990	52.1765 ng/ml
Hydromorphone	1.621	190761	567683.41	80.3	524973.96	138001	49.6169 ng/ml
Ketamine	4.065	444419	32559.15	35.5	228.21	424212	50.1136 ng/ml
Lamotrigine	4.294	46388	2029.20	86.7	3407.02	424212	52.1145 ng/ml
Levetiracetam	2.663	236015	5503.47	140.3	895.89	1127676	49.4881 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	5.753	326894	4464.97	57.4	385.58	119557	55.4411 ng/ml
MDA	3.209	639469	2798.59	30.4	740.55	401846	54.0415 ng/ml
MDMA	3.303	425708	1539.04	94.3	2493.74	100959	49.3053 ng/ml
Meprobamate	4.911	289216	15540.82	27.1	3976.84	322766	52.1610 ng/ml
Methadone	5.666	345137	9391.33	64.3	6146.67	325717	47.8940 ng/ml
Methamphetamine	3.238	283964	400.86	37.8	2651.56	257678	52.6229 ng/ml
Metoprolol	4.340	134539	217999.95	98.4	5167.53	1288790	53.3580 ng/ml
Mirtazapine	4.637	557987	2683.36	52.0	1330.61	529582	47.2402 ng/ml
Mitragynine	5.237	74734	588.66	34.3	241.15	325717	52.0073 ng/ml
Morphine	1.253	30355	358.54	20.2	1199.66	5765	51.7661 ng/ml
Norbuprenorphine	5.006	944	2377.06	114.4	1190.18	10103	4.4208 ng/ml
Nordiazepam	5.900	325860	732.92	54.8	929.89	226561	50.8692 ng/ml
Norfentanyl	4.099	103244	311.02	35.6	858.43	957471	4.7203 ng/ml
Norhydrocodone	3.080	35618	249.55	41.2	182.06	66176	43.3442 ng/ml
Noroxycodone	2.930	172377	469.14	57.4	373.30	123329	47.9820 ng/ml
O-desmethyl-tramadol	3.389	1226413	26400.64	5.8	6452.26	1447614	48.3195 ng/ml
Oxazepam	5.756	465504	6102.30	70.6	3184.69	392731	52.6118 ng/ml
Oxycodone	2.848	368829	543.19	32.3	1056.82	319615	50.3778 ng/ml
Oxymorphone	1.411	167125	379.21	50.9	318.71	112906	48.9807 ng/ml
Phentermine	3.790	162908	2076.91	5.8	243.07	390190	52.9165 ng/ml
Promethazine	5.552	149240	705.78	31.2	324.58	134174	49.1501 ng/ml
Pseudoephedrine	2.596	1131913	14457.49	17.4	15052.08	1127676	48.0675 ng/ml
Quetiapine	5.562	349395	16383.13	60.1	53356.92	101554	52.5477 ng/ml
Sertraline	5.789	12512	229.54	87.4	1075.74	10654	47.4370 ng/ml
Temazepam	5.823	853953	1006.89	26.6	646.66	822854	49.9826 ng/ml
Tramadol	4.259	1247556	1208.06	3.2	201.56	1288790	51.0027 ng/ml
Trazodone	5.149	288250	19907.02	79.7	3918.09	230814	49.4193 ng/ml
Venlafaxine	5.050	949548	136549.55	31.7	5159.08	1067367	47.9265 ng/ml
Zolpidem	4.914	1001928	5488.38	29.2	64262.01	983068	51.9996 ng/ml

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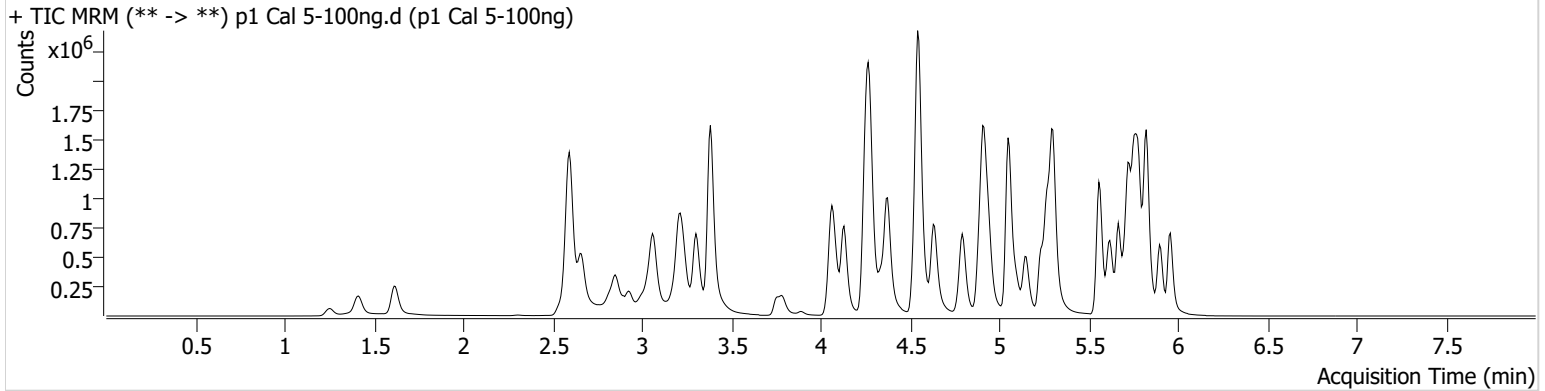


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 5:48:26 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	23823	476.36	66.8	1002.29	69422	9.7872 ng/ml
7-aminoclonazepam	4.271	485456	57756.80	73.0	3470.04	187325	106.8417 ng/ml
a-hydroxyalprazolam	5.699	201339	838.04	67.1	1258.35	295885	98.7844 ng/ml
alpha-PHP	4.944	333475	13628.69	260.1	35184.30	578538	102.5665 ng/ml
alpha-PVP	4.376	1304737	23785.66	52.9	1455.25	578538	99.7181 ng/ml
Alprazolam	5.782	898374	∞	99.9	2261.49	295885	99.1844 ng/ml
Amphetamine	3.063	1269887	416.13	46.7	1788.83	190625	110.5334 ng/ml
Benzoylecgonine	3.892	32721	922.76	8.6	388.69	11798	95.5605 ng/ml
Buprenorphine	5.812	15089	3648.14	15.9	4332.94	64724	10.2257 ng/ml
Bupropion	4.795	1001487	188291.22	64.8	1244.24	369239	101.5320 ng/ml
Carisoprodol	5.730	919851	151051.99	60.7	885.11	425506	94.4498 ng/ml
Citalopram	5.232	658019	8216.89	32.0	41930.06	302080	97.5461 ng/ml
Clonazepam	5.618	807230	2362.00	36.0	40157.43	119635	104.1482 ng/ml
Clonazepam	5.555	566572	763602.51	38.0	493252.87	119635	104.6664 ng/ml
Cocaine	4.271	973569	4099.50	56.1	211753.26	889374	97.6231 ng/ml
Codeine	2.593	140477	216.63	95.0	15749.34	64389	107.3826 ng/ml
Cyclobenzaprine	5.635	193992	268.85	8.0	542.10	93183	95.9781 ng/ml
Dextromethorphan	5.282	301200	392.97	81.2	36226.80	148744	99.1831 ng/ml
Dextrophan	4.132	418192	573.05	211.8	1168.48	482297	97.7664 ng/ml
Diazepam	5.960	623562	18484.85	91.8	14587.75	297695	102.0907 ng/ml
Dihydrocodeine	2.572	328403	874.20	69.0	197.28	216869	104.8522 ng/ml
Diphenhydramine	5.303	1776220	244280.67	31.9	12872.47	966207	96.8198 ng/ml
Doxylamine	4.543	3041473	79212.23	95.7	76415.48	1374583	100.0394 ng/ml
EDDP	5.268	882772	389.02	39.7	459.48	496148	98.2646 ng/ml
Etizolam	5.820	443775	18431.36	26.7	144131.35	119635	95.4710 ng/ml
Fentanyl	5.109	28167	80.01	72.3	81079.22	179732	9.5461 ng/ml
Flualprazolam	5.712	350013	11262.32	110.0	80369.45	295885	103.3827 ng/ml
Fluoxetine	5.721	163713	10127.71	8.5	3455.28	61718	97.1582 ng/ml
Hydrocodone	3.032	484626	1714.43	38.1	341.11	297953	101.6818 ng/ml
Hydromorphone	1.621	413490	2045427.68	81.7	1895786.72	150634	98.4295 ng/ml
Ketamine	4.059	997377	53037.60	35.4	778.01	470816	101.7375 ng/ml
Lamotrigine	4.294	97319	1071.34	87.1	22158.23	470816	99.1666 ng/ml
Levetiracetam	2.663	490382	950.33	140.4	16220.15	1242583	93.4376 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	5.753	526484	30614.08	55.7	615.19	119635	91.2998 ng/ml
MDA	3.209	1309097	602.10	30.3	347.12	434553	102.7775 ng/ml
MDMA	3.303	920723	15198.75	94.2	13753.89	106482	100.9840 ng/ml
Meprobamate	4.911	541749	25604.99	26.5	217.64	317730	100.1069 ng/ml
Methadone	5.666	723078	1494.90	64.6	1527.83	348067	92.8866 ng/ml
Methamphetamine	3.238	670079	9496.18	37.6	2864.64	303515	106.9996 ng/ml
Metoprolol	4.340	280786	1265.55	99.4	15961.52	1414999	102.0591 ng/ml
Mirtazapine	4.631	1277918	76006.43	51.3	51841.33	578538	98.0758 ng/ml
Mitragynine	5.237	158325	418139.04	34.6	1268.24	348067	104.4387 ng/ml
Morphine	1.253	64606	7950.35	21.3	214.33	6023	105.1231 ng/ml
Norbuprenorphine	5.006	2145	566.69	96.5	2802.87	10394	9.6588 ng/ml
Nordiazepam	5.900	661304	745.94	53.9	1254.24	226628	103.4089 ng/ml
Norfentanyl	4.093	234219	2679.27	36.5	6784.17	1061600	9.6168 ng/ml
Norhydrocodone	3.080	75427	246.76	39.9	86.77	64262	93.0531 ng/ml
Noroxycodone	2.930	368366	3609.17	53.1	1011.01	126452	100.4369 ng/ml
O-desmethyl-tramadol	3.383	2684173	59200.22	5.7	11288.01	1573889	97.1129 ng/ml
Oxazepam	5.756	810783	12595.01	71.3	6503.96	344315	105.0250 ng/ml
Oxycodone	2.848	811101	3200.06	32.1	715.47	350079	101.3860 ng/ml
Oxymorphone	1.411	338482	∞	51.0	∞	111222	101.2011 ng/ml
Phentermine	3.790	347108	1077.52	5.7	103.78	422538	104.6698 ng/ml
Promethazine	5.552	411324	877.31	31.0	1847.37	182597	99.3651 ng/ml
Pseudoephedrine	2.596	2532181	54256.35	17.1	57120.48	1242583	97.2111 ng/ml
Quetiapine	5.562	797744	109530.90	60.5	30017.85	118005	103.9059 ng/ml
Sertraline	5.789	61320	3427.51	85.5	61629.20	25350	96.9995 ng/ml
Temazepam	5.823	1618531	14586.31	26.4	3321.53	772898	101.1988 ng/ml
Tramadol	4.259	2607641	47197.41	3.3	297.94	1414999	97.6673 ng/ml
Trazodone	5.149	698292	17988.12	78.4	23324.06	278380	99.7097 ng/ml
Venlafaxine	5.050	2088383	1558.69	31.4	2276.66	1164886	96.2164 ng/ml
Zolpidem	4.914	2249338	2538.59	28.8	63864.53	1108869	103.8252 ng/ml

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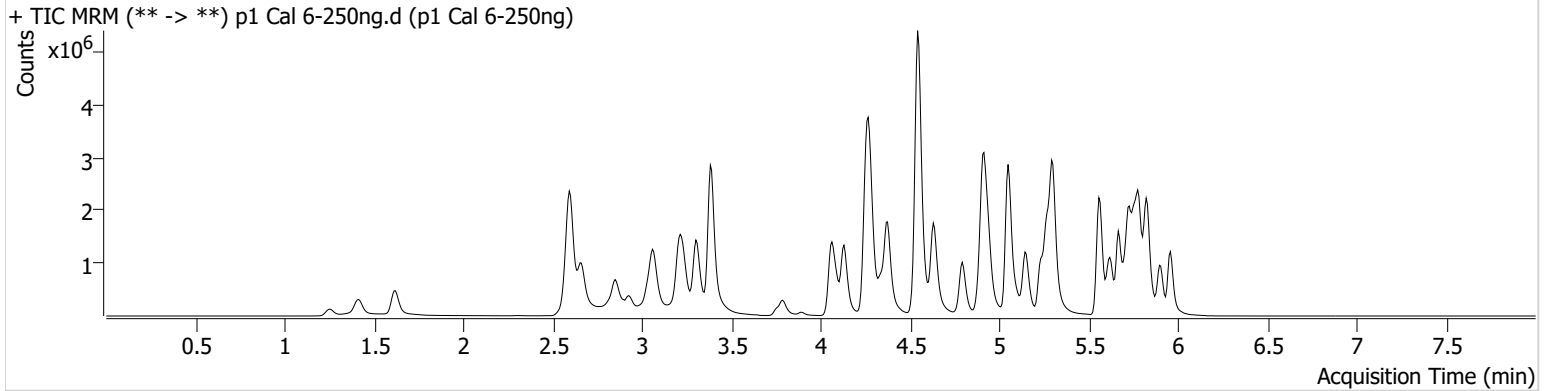


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 5:59:02 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	54647	2760.94	67.6	2535.93	61577	25.3089 ng/ml
7-aminoclonazepam	4.271	843388	12915.02	73.0	9351.48	143515	243.3199 ng/ml
a-hydroxyalprazolam	5.699	320882	2543.73	66.9	2561.21	228966	205.0127 ng/ml
alpha-PHP	4.944	682723	2341.01	262.2	138731.02	475130	255.3986 ng/ml
alpha-PVP	4.376	2624290	41746.66	52.8	34436.12	475130	243.9051 ng/ml
Alprazolam	5.782	1792407	2073.89	100.5	4558.39	228966	255.1095 ng/ml
Amphetamine	3.063	2382631	397.02	46.7	1306.51	157591	251.8742 ng/ml
Benzoylcegonine	3.892	66141	188.19	8.6	751.78	9026	250.4330 ng/ml
Buprenorphine	5.812	31596	495.55	14.7	8591.66	56275	24.8391 ng/ml
Bupropion	4.795	1541000	106156.01	64.8	13723.72	237211	243.4709 ng/ml
Carisoprodol	5.730	1647454	40346.56	61.2	12140.71	295168	242.2541 ng/ml
Citalopram	5.232	1414976	932.49	32.2	14647.07	255365	247.9257 ng/ml
Clonazepam	5.618	1506491	24584.33	35.0	102628.87	92422	252.7686 ng/ml
Clonazolam	5.555	1008413	1797168.64	39.2	360694.68	92422	242.2419 ng/ml
Cocaine	4.271	2080314	711.97	55.5	463.15	746290	248.7829 ng/ml
Codeine	2.593	279528	3928.72	93.2	12288.93	55965	246.8109 ng/ml
Cyclobenzaprine	5.635	417682	39341.22	7.9	1876.93	77274	246.0863 ng/ml
Dextromethorphan	5.275	675099	39135.05	79.8	14142.12	130710	253.2748 ng/ml
Dextrophan	4.132	896621	27863.64	214.5	153108.67	406566	248.2757 ng/ml
Diazepam	5.960	1254437	9982.85	91.4	∞	240198	254.7994 ng/ml
Dihydrocodeine	2.572	699613	6536.55	69.1	1403.78	193963	250.2018 ng/ml
Diphenhydramine	5.303	4009945	∞	31.6	47308.94	844673	249.8903 ng/ml
Doxylamine	4.543	7245962	183331.21	95.2	38653.24	1243189	263.4188 ng/ml
EDDP	5.268	1831193	39226.83	40.6	48803.98	406371	248.7882 ng/ml
Etizolam	5.820	891814	4187.86	26.8	286206.87	92422	247.4470 ng/ml
Fentanyl	5.109	70610	388.29	68.8	∞	167226	25.7506 ng/ml
Flualprazolam	5.712	658629	13540.23	114.4	65178.01	228966	252.4002 ng/ml
Fluoxetine	5.727	286532	35046.36	8.6	593986.52	41786	250.4395 ng/ml
Hydrocodone	3.032	1030225	∞	38.1	∞	255706	252.4912 ng/ml
Hydromorphone	1.621	883283	1951.39	81.7	3223153.80	124919	253.3857 ng/ml
Ketamine	4.059	2115890	140605.45	35.1	827.56	400887	254.0697 ng/ml
Lamotrigine	4.294	194940	5168.30	87.4	1916.45	400887	234.2884 ng/ml
Levetiracetam	2.663	947718	1692.16	142.6	1229.49	1007307	222.9469 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	5.753	674913	36640.77	56.1	997.19	92422	153.7363 ng/ml
MDA	3.209	2554827	2696.69	29.9	386.69	357979	244.2096 ng/ml
MDMA	3.303	2029957	88957.05	94.3	2128.82	94654	250.2928 ng/ml
Meprobamate	4.911	930509	379.62	26.4	186.80	258396	212.4757 ng/ml
Methadone	5.666	1738991	78360.39	65.0	46068.95	322847	239.1648 ng/ml
Methamphetamine	3.238	1297612	1897.61	37.1	2918.04	243739	260.2382 ng/ml
Metoprolol	4.340	598962	635629.06	98.9	4314.57	1173665	263.5773 ng/ml
Mirtazapine	4.631	2884920	5941.77	51.0	23952.26	475130	268.0641 ng/ml
Mitragynine	5.237	344413	1256604.67	34.2	152782.26	322847	246.7667 ng/ml
Morphine	1.253	134263	2882.42	22.3	369.32	5259	249.7883 ng/ml
Norbuprenorphine	5.006	4919	4503.86	103.5	217.78	9419	24.3144 ng/ml
Nordiazepam	5.906	1222781	14458.01	54.4	1892.26	173526	250.0024 ng/ml
Norfentanyl	4.093	530201	∞	36.7	616.83	894236	25.7772 ng/ml
Norhydrocodone	3.080	159658	306.85	40.7	90.28	49815	251.9407 ng/ml
Noroxycodone	2.930	737951	2716.14	52.7	11674.36	101570	251.0913 ng/ml
O-desmethyl-tramadol	3.383	6100017	∞	5.6	12417.61	1367323	253.7901 ng/ml
Oxazepam	5.756	1119027	87333.50	71.4	14059.01	199728	250.5930 ng/ml
Oxycodone	2.848	1801341	8527.37	31.5	18099.80	312116	252.9060 ng/ml
Oxymorphone	1.411	736993	444.99	50.3	3224.94	100967	243.3907 ng/ml
Phentermine	3.790	732643	5948.31	5.6	∞	368830	253.9083 ng/ml
Promethazine	5.552	907140	4442151.70	31.4	5539.76	160885	248.4580 ng/ml
Pseudoephedrine	2.603	5219541	43064.25	17.0	34749.99	1007307	246.6190 ng/ml
Quetiapine	5.562	1840205	1265.36	60.8	1727.81	110630	256.6567 ng/ml
Sertraline	5.796	104933	6002.39	86.8	738.37	16548	253.2103 ng/ml
Temazepam	5.830	2710897	32003.56	25.9	942.80	519880	252.4921 ng/ml
Tramadol	4.259	5765716	258385.12	3.2	184.16	1173665	261.4056 ng/ml
Trazodone	5.142	1714826	999.10	80.5	34184.96	263574	259.3226 ng/ml
Venlafaxine	5.050	4864378	131704.61	30.8	10212.91	1036693	251.2417 ng/ml
Zolpidem	4.914	5056710	323263.66	27.8	677.62	1002504	258.6677 ng/ml

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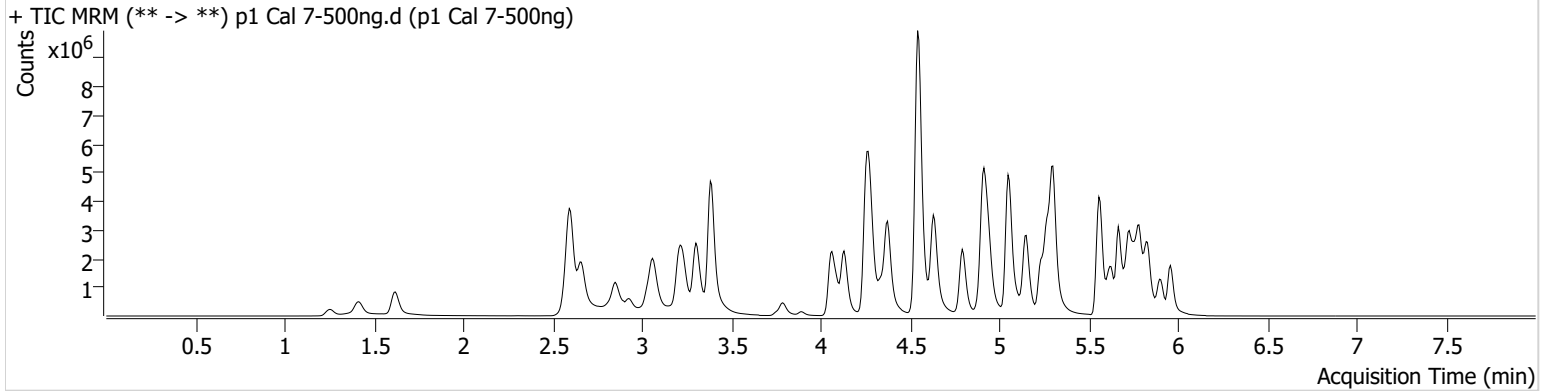


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 6:09:39 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	108148	1515.81	67.1	432201.65	60965	50.5884 ng/ml
7-aminoclonazepam	4.271	1188095	11838.79	68.5	15244.31	117495	419.2698 ng/ml
a-hydroxyalprazolam	5.699	384221	∞	67.5	1451.14	176736	318.8398 ng/ml
alpha-PHP	4.944	1326449	43755.90	261.9	298210.81	455629	517.2497 ng/ml
alpha-PVP	4.376	5242113	90171.18	52.4	48098.60	455629	507.8261 ng/ml
Alprazolam	5.782	2780688	1728.31	98.5	4926.84	176736	512.3356 ng/ml
Amphetamine	3.063	3890290	296.19	46.6	1095.98	142384	455.8183 ng/ml
Benzoylecgonine	3.892	150116	255.94	8.4	1661.70	10313	496.2408 ng/ml
Buprenorphine	5.812	49932	6015.49	15.5	18160.58	47931	46.2159 ng/ml
Bupropion	4.795	3716194	320079.22	63.7	19906.50	275819	505.1761 ng/ml
Carisoprodol	5.730	2209042	70045.78	61.8	22627.44	190922	501.1101 ng/ml
Citalopram	5.232	2749988	30364.68	32.5	511.93	242228	507.8327 ng/ml
Clonazepam	5.618	2124312	57799.61	35.5	378.84	69647	473.7084 ng/ml
Clonazepam	5.562	1303373	208241.11	39.5	768079.09	69647	416.0863 ng/ml
Cocaine	4.277	3558006	1806.92	55.4	56088.89	633768	501.1672 ng/ml
Codeine	2.593	450825	158.25	91.7	337.80	46356	481.2839 ng/ml
Cyclobenzaprine	5.635	1173500	91082.80	7.7	1030.94	104215	510.5473 ng/ml
Dextromethorphan	5.275	1277614	18870.87	79.7	58717.86	125726	498.5079 ng/ml
Dextroprhan	4.132	1671078	2123.06	213.8	1606.88	368446	510.3340 ng/ml
Diazepam	5.960	1996599	7617.57	92.9	29875.10	200594	485.7725 ng/ml
Dihydrocodeine	2.565	1231224	14099.57	69.5	6179.11	196318	435.2802 ng/ml
Diphenhydramine	5.303	7945906	74719.66	31.4	30613.84	791810	528.1321 ng/ml
Doxylamine	4.543	14172671	339049.22	95.0	210082.73	1231246	520.1679 ng/ml
EDDP	5.268	3610921	135477.63	39.4	41659.37	384313	518.6848 ng/ml
Etizolam	5.820	1446746	15659.52	27.5	22487.65	69647	532.0394 ng/ml
Fentanyl	5.109	164003	18079.29	69.2	255.96	195063	51.2926 ng/ml
Flualprazolam	5.712	977707	12395.09	116.0	30089.30	176736	486.0525 ng/ml
Fluoxetine	5.727	847600	40928.91	8.6	90655.17	58503	528.6332 ng/ml
Hydrocodone	3.032	1834427	∞	39.4	238.98	241158	477.0838 ng/ml
Hydromorphone	1.621	1658398	3009341.91	81.6	3037578.10	118455	501.6027 ng/ml
Ketamine	4.059	4098800	297518.16	33.9	9169.11	395967	498.6666 ng/ml
Lamotrigine	4.294	307170	8634.13	87.5	3731.67	395967	374.1987 ng/ml
Levetiracetam	2.663	1856412	4399.40	144.3	15310.73	838163	525.0298 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	5.753	733765	44847.27	55.4	1790.38	69647	223.3003 ng/ml
MDA	3.209	4235965	5866.80	29.7	1703.15	300222	483.3191 ng/ml
MDMA	3.303	3787727	1360.40	94.7	6183.94	86821	509.0424 ng/ml
Meprobamate	4.911	1244373	66676.05	26.8	5287.17	224651	327.3329 ng/ml
Methadone	5.666	3608507	122531.60	64.1	19006.46	320981	498.0232 ng/ml
Methamphetamine	3.238	2285189	1216.97	36.9	8763.12	220064	509.0967 ng/ml
Metoprolol	4.340	1032188	9698.91	101.0	7384.49	1102719	484.0293 ng/ml
Mirtazapine	4.631	5965384	201954.80	50.3	178022.54	455629	577.0099 ng/ml
Mitragynine	5.237	625997	6966.94	35.4	4516.68	320981	452.2510 ng/ml
Morphine	1.253	252344	444.76	22.5	256.21	5204	474.1014 ng/ml
Norbuprenorphine	5.006	9464	252.38	97.8	33593.49	8649	50.8551 ng/ml
Nordiazepam	5.906	1782861	2326.71	53.1	4271.79	128087	494.0161 ng/ml
Norfentanyl	4.093	1013595	94458.51	36.7	133.34	775842	56.7512 ng/ml
Norhydrocodone	3.080	307131	735.70	42.3	133.16	44211	544.6376 ng/ml
Noroxycodone	2.930	1158655	16508.44	54.3	14343.69	80701	496.5769 ng/ml
O-desmethyl-tramadol	3.383	11261856	176230.62	5.6	920.43	1246213	513.9238 ng/ml
Oxazepam	5.756	1171367	55302.77	71.3	63957.45	112222	467.2970 ng/ml
Oxycodone	2.848	3314060	1445.36	32.2	1519.74	293360	495.2650 ng/ml
Oxymorphone	1.411	1277631	252.21	50.4	∞	83974	507.8310 ng/ml
Phentermine	3.790	1246636	8446.25	5.6	2377.04	340562	468.3821 ng/ml
Promethazine	5.552	2498022	2307.94	30.9	2835.31	220367	499.3389 ng/ml
Pseudoephedrine	2.603	9483629	136134.30	16.4	91284.63	838163	538.0885 ng/ml
Quetiapine	5.562	3672476	314177.42	61.2	17757.69	117773	481.7335 ng/ml
Sertraline	5.796	351557	18105.74	87.1	13122.52	28292	495.5360 ng/ml
Temazepam	5.830	3366145	21770.19	25.8	1859.76	324097	503.2503 ng/ml
Tramadol	4.252	10378429	1822.61	3.1	355.51	1102719	501.3866 ng/ml
Trazodone	5.149	4092371	1690.52	80.8	123834.30	318424	512.6932 ng/ml
Venlafaxine	5.050	9568235	3274.27	29.8	29789.75	976011	524.5252 ng/ml
Zolpidem	4.914	9197109	161786.00	27.0	194334.15	954215	494.5747 ng/ml

AG

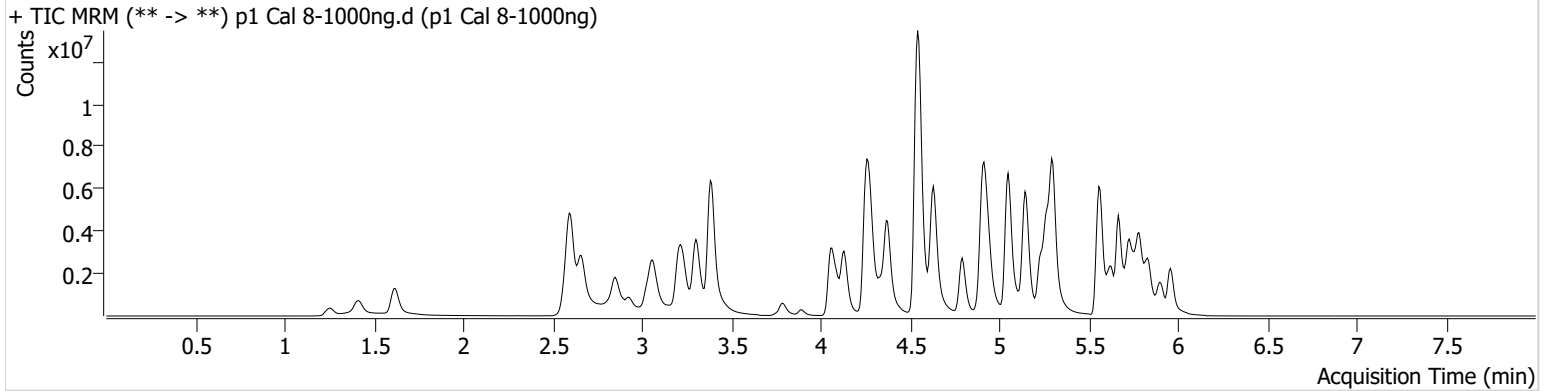


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\030122 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 3/3/2022 7:49:18 AM

Instrument	Falco (069901)	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	3/1/2022 6:20:16 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.151	186238	1307.45	66.6	946.00	51394	103.3373 ng/ml
7-aminoclonazepam	4.271	1349681	11197.91	72.5	12965.14	78358	714.7611 ng/ml
a-hydroxyalprazolam	5.692	436387	332.02	68.2	605.96	123217	520.3488 ng/ml
alpha-PHP	4.944	1665779	994.05	263.9	61760.34	312558	946.7486 ng/ml
alpha-PVP	4.376	7450343	2099.45	51.9	33338.74	312558	1051.8882 ng/ml
Alprazolam	5.782	3849640	542.57	98.9	1231.04	123217	1016.9846 ng/ml
Amphetamine	3.063	4996952	230.53	47.5	653.00	103478	806.2303 ng/ml
Benzoylcegonine	3.892	319729	788.84	8.2	642.85	10811	1006.9221 ng/ml
Buprenorphine	5.812	69966	3549.92	15.6	24431.95	34499	90.1161 ng/ml
Bupropion	4.795	4278345	156341.21	64.8	14411.88	159618	1005.1932 ng/ml
Carisoprodol	5.730	2811654	8816.92	60.4	6303.65	119814	1015.2993 ng/ml
Citalopram	5.232	4084605	56768.57	31.6	70399.24	178764	1021.9445 ng/ml
Clonazepam	5.612	2674994	75428.62	35.2	25673.99	48483	857.5551 ng/ml
Clonazepam	5.562	1510182	64955.14	39.6	56852.49	48483	693.1101 ng/ml
Cocaine	4.277	5334884	69778.04	55.2	190882.61	473432	1006.0665 ng/ml
Codeine	2.593	625524	18688.49	97.7	8307.29	37956	816.1045 ng/ml
Cyclobenzaprine	5.635	1851464	52322.42	7.6	515.32	80142	1045.4112 ng/ml
Dextromethorphan	5.275	1848683	67452.64	79.8	∞	88597	1023.8303 ng/ml
Dextrophan	4.132	2358756	107411.43	216.4	∞	256044	1036.3195 ng/ml
Diazepam	5.960	2840626	38182.91	93.0	20968.00	146809	944.4889 ng/ml
Dihydrocodeine	2.565	1934330	12257.25	69.9	30193.59	178752	751.2895 ng/ml
Diphenhydramine	5.303	11593538	219189.90	31.7	50243.78	586823	1039.6668 ng/ml
Doxylamine	4.543	21175138	365482.12	95.9	316823.04	1022817	935.4949 ng/ml
EDDP	5.268	5749594	108669.85	39.3	77288.35	305341	1039.4401 ng/ml
Etizolam	5.820	2073885	32308.59	27.1	534286.82	48483	1094.9806 ng/ml
Fentanyl	5.109	313352	1398.28	67.6	634165.68	180078	106.1769 ng/ml
Flualprazolam	5.712	1273183	46748.76	116.6	146767.25	123217	908.4744 ng/ml
Fluoxetine	5.727	970557	35630.42	8.5	2473.28	33093	1069.6359 ng/ml
Hydrocodone	3.032	2995470	378.97	40.1	3176.23	205567	914.3031 ng/ml
Hydromorphone	1.621	2794550	8076369.45	83.0	6179309.50	100364	997.5028 ng/ml
Ketamine	4.059	6646577	588969.57	33.6	19309.07	336419	952.1234 ng/ml
Lamotrigine	4.294	415736	19910.93	87.5	1015.65	336419	596.5366 ng/ml
Levetiracetam	2.663	2873009	2042.39	145.9	47441.42	620520	1097.6886 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	5.753	772176	32239.80	56.1	455.18	48483	339.2984 ng/ml
MDA	3.209	5689583	3368.30	29.0	3479.71	218139	893.8999 ng/ml
MDMA	3.303	5784063	3112.32	93.5	90100.98	67191	1004.3233 ng/ml
Meprobamate	4.911	1489661	27986.01	25.1	9988.75	174085	506.1926 ng/ml
Methadone	5.666	5849987	75926.63	62.1	1491.50	253335	1021.8536 ng/ml
Methamphetamine	3.231	3139839	39466.43	37.1	7566.73	158733	971.1877 ng/ml
Metoprolol	4.340	1370001	67200.17	101.6	34914.99	842793	841.0938 ng/ml
Mirtazapine	4.631	10822223	2647.36	49.6	142653.37	312558	1524.5175 ng/ml
Mitragynine	5.237	991150	2195.69	35.2	79520.94	253335	908.6230 ng/ml
Morphine	1.253	429679	221.34	22.0	794.73	4403	953.8013 ng/ml
Norbuprenorphine	5.006	14977	97.90	95.4	6558.23	6531	106.4869 ng/ml
Nordiazepam	5.906	2165177	5504.35	53.6	10567.48	81594	941.9889 ng/ml
Norfentanyl	4.093	1671032	790.28	36.9	93.46	565434	128.3272 ng/ml
Norhydrocodone	3.080	504790	445.51	42.0	∞	33537	1178.5848 ng/ml
Noroxycodone	2.923	1619089	1870.99	53.3	7769.88	55821	1003.6078 ng/ml
O-desmethyl-tramadol	3.383	17880479	∞	5.6	11674.19	974865	1042.9170 ng/ml
Oxazepam	5.756	1128268	2605.82	70.0	3658.09	54689	924.1112 ng/ml
Oxycodone	2.848	5534607	1250.15	32.2	1252.95	253548	957.2078 ng/ml
Oxymorphone	1.411	2004992	∞	50.6	2321.87	68205	981.6254 ng/ml
Phentermine	3.790	1771353	4154.08	5.5	1796.51	254258	891.9470 ng/ml
Promethazine	5.552	3706149	8961.89	30.4	11762.54	156877	1040.4750 ng/ml
Pseudoephedrine	2.603	13614331	82296.49	16.5	56909.52	620520	1043.0518 ng/ml
Quetiapine	5.562	6421811	86921.85	62.1	766.80	116052	855.3933 ng/ml
Sertraline	5.796	381194	3349.19	87.2	957.86	15087	1006.9451 ng/ml
Temazepam	5.837	3709509	27479.98	25.6	6114.11	181023	993.2348 ng/ml
Tramadol	4.252	14792678	∞	3.1	1449.74	842793	935.5892 ng/ml
Trazodone	5.142	8910114	75563.91	81.0	1054.55	371721	956.5954 ng/ml
Venlafaxine	5.050	13937956	17768.19	29.9	88300.68	697945	1068.1086 ng/ml
Zolpidem	4.908	14642757	775414.53	26.9	3718.65	861417	872.4949 ng/ml

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): TOX-22-01

Date of Request: **2/3/2022**

Requestor/Discipline: Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #: AM #25, AM #28, AM #29, Revision 13

Temporary or Permanent Deviation: Permanent

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc): Deviation will remain in place until the change is made in the next method revision.

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual): 4.1.4 (Place plate on shaking incubator at approximately 900 rpm for approximately 15 minutes) of AM #25, AM # 28, and AM #29 is being removed. The removal of this step was tested in the validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022) and it was determined that that step is not necessary and can be removed.

Technical Justification for Analytical Method Deviations: Refer to validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022)

Technical Review

Departure approved
Comments:

Departure Not Approved
Comments:

Approver: Rachel Cutler
Title: Laboratory Manager

Date: 2/10/2022

Quality Review

Quality Approver: Jason Crowe
Title: Quality Manager
Date: 2/10/2022