

REVIEWED

By Sarah Collins at 7:11 am, Aug 30, 2021

8/23/2021

Worklist: 5194

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-3441	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3504	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3519	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3588	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2476	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2522	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2552	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2642	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2643	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2644	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2645	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2646	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2647	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2648	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2669	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2673	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2698	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2708	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2710	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2711	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2718	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 5194

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-2720	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 8/24/2021

Analyst: Amber Gerheart

Plate lot#: 210610

Plate Retest Date: 12/10/2021

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20724

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.
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right)**
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 15. Remove plate containing eluate. **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:* alpha-hydroxyalprazolam 5-250 ng/mL, amphetamine 5-500 ng/mL, ~~buprenorphine 1-100 ng/mL~~, clonazepam 5-500 ng/mL, codeine 5-500 ng/mL, dihydrocodeine 5-500 ng/mL, lamotrigine 5-500 ng/mL, lorazepam 5-100 ng/mL, meprobamate 5-250 ng/mL, norbuprenorphine 1-100 ng/mL buprenorphine 0.5-50 ng/mL

Qualitative only: alpha-hydroxyalprazolam (no matching internal standard)

AX

8/27/21

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2021-3519-3	P2021-2645-1	IS + Cal. 1	IS + QC_1	P2021-2720-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2021-3588-4	P2021-2646-1	IS + Cal. 2	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	P2021-2476-2	P2021-2647-1	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	P2021-2522-3	P2021-2648-1	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	P2021-2552-1	P2021-2669-1	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Negative Blood	P2021-2642-1	P2021-2673-1	IS + Cal. 6	P2021-2710-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2021-3441-1	P2021-2643-1	P2021-2698-1	IS + Cal. 7	P2021-2711-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2021-3504-2	P2021-2644-1	P2021-2708-1	IS + Cal. 8	P2021-2718-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

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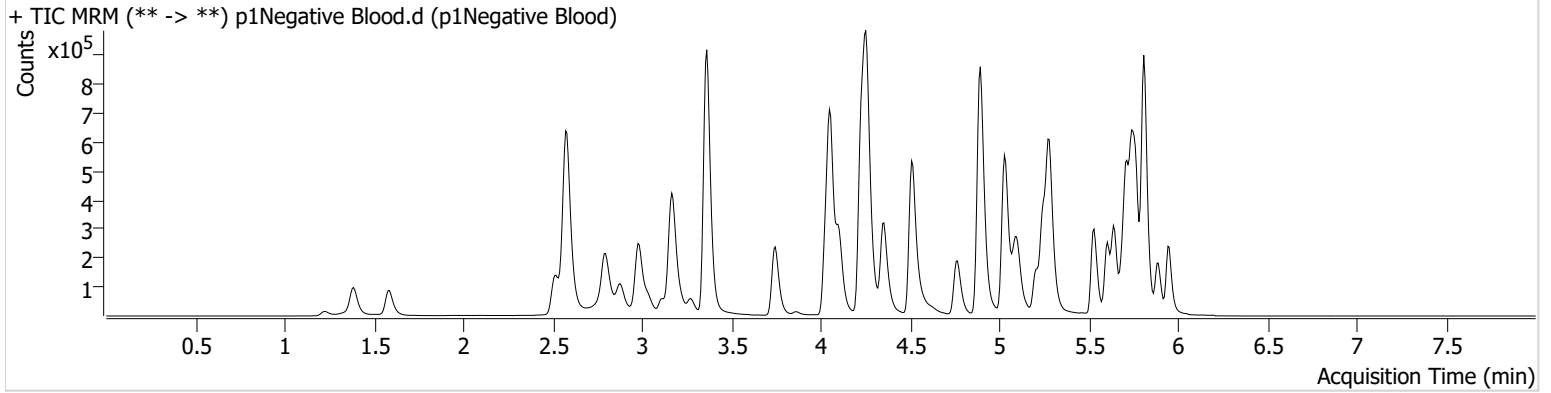


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 8/26/2021 1:09:14 PM

Instrument	Falco (069901)	Data File	p1Negative Blood.d
Type	Sample	Sample	p1Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-F2	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 3:51:59 PM		
Sample Info.			

Sample Chromatogram



AM #28 Multi-Drug Quant. Results

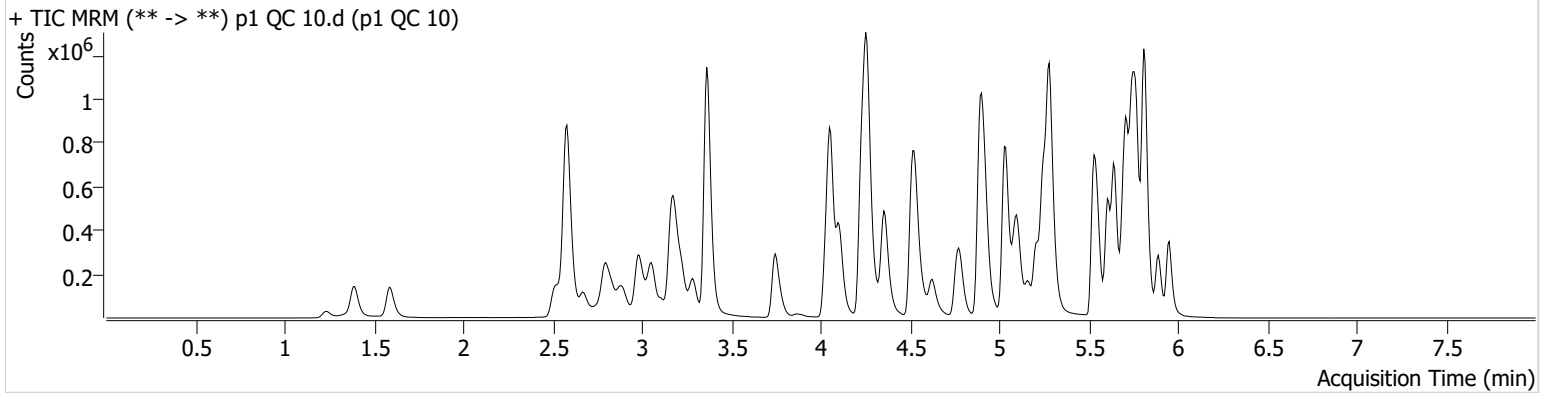
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Batch results C:\Users\agerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-A2	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 2:27:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	5182	283.94	78.4	5422.27	135593	1.0397 ng/ml
7-aminoclonazepam	4.271	90117	70.63	77.7	92.58	456009	10.6333 ng/ml
a-hydroxyalprazolam	5.692	67337	383.10	56.0	412.92	646595	11.0094 ng/ml
alpha-PHP	4.930	62716	2169.39	268.5	10413.20	965441	11.9478 ng/ml
alpha-PVP	4.363	254137	917.44	53.4	1001.20	965441	10.7083 ng/ml
Alprazolam	5.775	203738	747.76	110.3	6374.45	646595	10.6705 ng/ml
Amphetamine	3.056	400193	2943.30	51.2	549.88	391249	11.3358 ng/ml
Benzoylecgonine	3.892	7847	378.72	9.2	23.56	27604	10.6278 ng/ml
Buprenorphine	5.840	5074	439.48	13.1	1348.85	161574	1.0980 ng/ml
Bupropion	4.788	229847	5941.85	59.8	1503.65	685250	10.9254 ng/ml
Carisoprodol	5.724	196106	1278.32	60.1	238.94	911791	10.5356 ng/ml
Citalopram	5.205	158646	1644.91	41.1	8077.66	617143	10.9102 ng/ml
Clonazepam	5.612	239969	2674.58	31.4	885.57	266401	11.3524 ng/ml
Clonazepam	5.548	159610	14153.34	37.9	119726.76	266401	10.5117 ng/ml
Cocaine	4.257	219662	384.87	52.4	897.49	1713891	10.7325 ng/ml
Codeine	2.566	29833	538.29	100.7	5315.38	122955	11.4090 ng/ml
Cyclobenzaprine	5.615	127591	2798.51	9.0	97.69	452522	11.0000 ng/ml
Dextromethorphan	5.255	82234	848.03	82.5	76.57	365027	10.8572 ng/ml
Dextrophan	4.105	71602	268.27	198.2	5564.48	705982	11.2951 ng/ml
Diazepam	5.953	123776	1257.33	88.0	270.64	520298	10.9885 ng/ml
Dihydrocodeine	2.545	72937	593.33	66.2	261.18	379722	10.9970 ng/ml
Diphenhydramine	5.282	365411	857.42	34.3	206.02	2063752	10.7361 ng/ml
Doxylamine	4.529	492746	1738.54	98.3	3762.57	1944625	10.8026 ng/ml
EDDP	5.248	208108	195.41	41.6	254.69	960322	10.9774 ng/ml
Etizolam	5.813	129124	2851.05	24.5	57184.69	266401	10.1696 ng/ml
Fentanyl	5.103	14695	90.01	64.5	31.71	676020	1.1323 ng/ml
Flualprazolam	5.698	97519	2495.12	94.3	11284.55	646595	10.8919 ng/ml
Fluoxetine	5.700	171126	554.22	8.5	224.06	600823	11.3005 ng/ml
Hydrocodone	3.012	105761	307.17	38.6	980.20	541458	11.1925 ng/ml
Hydromorphone	1.595	98517	2233.67	77.8	1610.98	298671	10.9771 ng/ml
Ketamine	4.051	205404	264.31	35.2	162.90	878843	10.8077 ng/ml
Lamotrigine	4.273	19531	875.71	80.5	1525.05	878843	11.9612 ng/ml
Levetiracetam	2.676	88850	1459.46	162.8	349.19	2171361	10.9969 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	227273	2607.01	58.1	223.95	266401	11.6827 ng/ml
MDA	3.196	300588	595.45	23.4	584.00	668235	11.2264 ng/ml
MDMA	3.290	183450	2294.92	76.3	952.20	149941	10.6609 ng/ml
Meprobamate	4.917	114584	13440.28	28.5	1133.31	427372	11.1564 ng/ml
Methadone	5.646	264324	7049.80	50.8	347.05	1004987	10.8225 ng/ml
Methamphetamine	3.231	275748	1466.86	37.5	384.51	970298	11.0030 ng/ml
Metoprolol	4.326	48388	1383.02	91.4	211.63	1906152	11.6039 ng/ml
Mirtazapine	4.624	251635	671.69	51.6	797.24	965441	11.9267 ng/ml
Mitragynine	5.230	58703	101.19	38.6	28686.58	1004987	11.3457 ng/ml
Morphine	1.240	14702	238.40	37.3	182.11	14263	10.7866 ng/ml
Norbuprenorphine	4.986	653	1870.42	89.2	847.62	24480	0.9363 ng/ml
Nordiazepam	5.900	130979	388.26	58.2	643.66	377712	10.7974 ng/ml
Norfentanyl	4.079	41816	776.47	35.2	192.38	1681036	1.0591 ng/ml
Norhydrocodone	3.059	16938	408.29	41.1	55.89	115132	10.2928 ng/ml
Noroxycodone	2.903	113827	351.94	43.3	273.84	352131	10.7657 ng/ml
O-desmethyl-tramadol	3.369	487334	584.32	6.7	878.47	2643854	10.7709 ng/ml
Oxazepam	5.749	263502	304.56	74.0	255.89	1047139	11.0654 ng/ml
Oxycodone	2.827	220397	799.46	27.1	511.16	870090	10.8042 ng/ml
Oxymorphone	1.391	116025	217.84	43.4	509.33	346463	11.0265 ng/ml
Phentermine	3.783	83536	1194.97	4.0	27.75	832913	11.1383 ng/ml
Promethazine	5.532	288944	433.50	28.2	1071.68	1100923	10.9016 ng/ml
Pseudoephedrine	2.589	487812	344.21	16.0	2509.92	2171361	10.5327 ng/ml
Quetiapine	5.548	196487	4032.00	58.0	14868.46	237597	11.0154 ng/ml
Sertraline	5.769	77413	362.76	96.3	290.72	273089	11.3014 ng/ml
Temazepam	5.816	422569	707.81	28.4	142.51	1855705	10.3368 ng/ml
Tramadol	4.246	447093	9723.55	3.7	160.41	1906152	11.1571 ng/ml
Trazodone	5.163	207807	2620.14	78.6	698.51	655196	11.3475 ng/ml
Venlafaxine	5.037	355894	459.60	38.0	473.66	1725986	10.4694 ng/ml
Zolpidem	4.914	467650	3578.06	31.1	1284.23	2200806	10.9278 ng/ml

AM #28 Multi-Drug Quant. Results

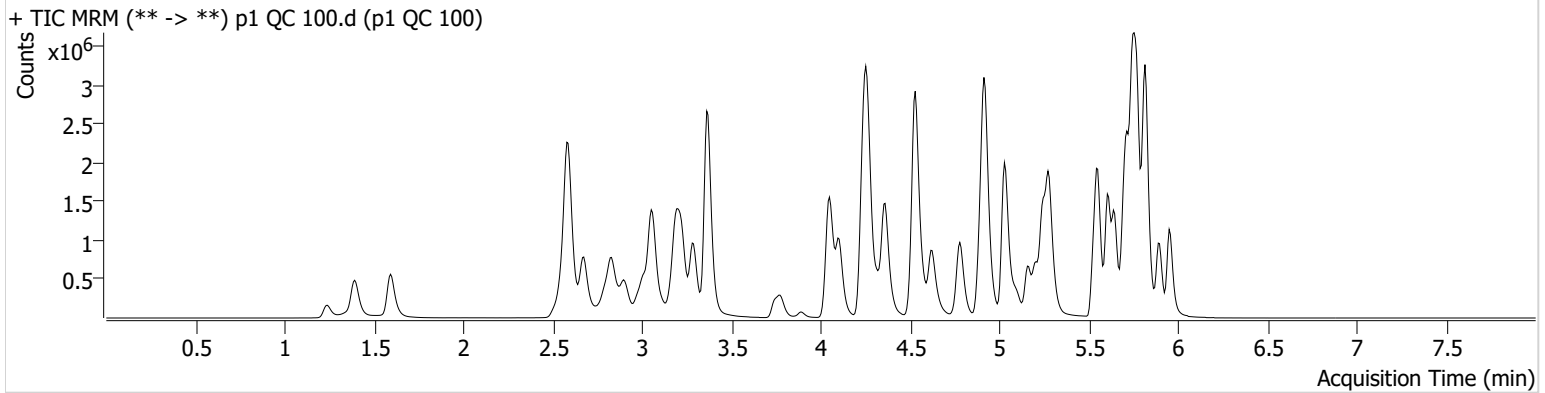
AG



Batch results C:\Users\agerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-B2	Comment	
Injection Volume	2		
Acq. Date-Time	8/25/2021 12:00:01 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	52971	943.35	70.7	915.90	131148	11.0367 ng/ml
7-aminoclonazepam	4.271	736869	14717.02	78.0	20068.71	371341	110.0443 ng/ml
a-hydroxyalprazolam	5.692	511368	1716.49	55.5	3071.46	534499	114.8377 ng/ml
alpha-PHP	4.930	446334	2931.14	268.5	31286.05	822730	108.1723 ng/ml
alpha-PVP	4.363	2136688	923.20	52.7	20138.89	822730	108.7298 ng/ml
Alprazolam	5.775	1750572	4157.38	110.2	112354.12	534499	114.7485 ng/ml
Amphetamine	3.056	2748081	2507.32	49.9	584.04	288426	118.0735 ng/ml
Benzoylecgonine	3.892	82048	4316.88	7.8	884.78	25815	125.7070 ng/ml
Buprenorphine	5.846	23896	931.42	15.5	4715.49	77512	10.7165 ng/ml
Bupropion	4.781	1539546	1426.85	61.4	842.70	482584	109.0639 ng/ml
Carisoprodol	5.724	1554461	386019.17	58.7	964.27	720716	104.8697 ng/ml
Citalopram	5.205	852943	8595.36	41.0	380.83	342858	109.4770 ng/ml
Clonazepam	5.605	1992944	2979.84	31.7	772.15	230796	118.5627 ng/ml
Clonazepam	5.548	1416283	1515089.09	38.0	23961.09	230796	116.9688 ng/ml
Cocaine	4.257	1881391	31784.98	52.2	1148.70	1484002	108.4958 ng/ml
Codeine	2.566	251435	6875.01	98.1	353.85	112270	118.2426 ng/ml
Cyclobenzaprine	5.615	545327	75243.16	9.4	7295.89	201200	107.9709 ng/ml
Dextromethorphan	5.255	405541	5132.58	80.7	545.47	182759	112.3566 ng/ml
Dextrophan	4.105	563208	1001.45	203.9	2847.34	576538	112.2637 ng/ml
Diazepam	5.953	1100905	9118.83	87.0	8191.47	463787	115.9711 ng/ml
Dihydrocodeine	2.545	668370	2290.37	69.2	14980.15	364725	116.6295 ng/ml
Diphenhydramine	5.282	1990459	567.33	33.9	650.15	1144654	107.4814 ng/ml
Doxylamine	4.529	4189201	686.49	96.7	100110.75	1661087	113.2096 ng/ml
EDDP	5.248	1425637	481.56	42.3	469.60	685255	108.2276 ng/ml
Etizolam	5.813	1108254	4929.08	25.5	239155.88	230796	97.9876 ng/ml
Fentanyl	5.103	65326	1514.03	64.5	90449.43	314456	11.0999 ng/ml
Flualprazolam	5.698	782383	11376.78	97.0	4073.74	534499	115.9060 ng/ml
Fluoxetine	5.700	623777	21857.05	8.4	260.87	230848	114.3939 ng/ml
Hydrocodone	3.012	943391	∞	40.3	768.04	507426	118.0635 ng/ml
Hydromorphone	1.595	914790	4986.05	78.1	2501329.38	283669	112.1133 ng/ml
Ketamine	4.044	1823717	63366.45	36.1	534.13	807575	112.5861 ng/ml
Lamotrigine	4.273	159953	3359.70	78.7	4163.27	807575	123.3334 ng/ml
Levetiracetam	2.676	803680	4037.82	165.0	27892.59	1939860	114.5151 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1500683	30875.74	57.6	7206.44	230796	100.7051 ng/ml
MDA	3.196	2208593	15852.56	23.0	2794.73	510357	121.3974 ng/ml
MDMA	3.290	1443367	11723.02	75.2	4098.61	119234	108.9579 ng/ml
Meprobamate	4.911	882217	38048.65	28.1	184.29	371067	112.4932 ng/ml
Methadone	5.646	1319484	14351.54	50.1	41395.58	527533	105.8983 ng/ml
Methamphetamine	3.224	1697063	2974.10	37.3	524.00	665204	112.1959 ng/ml
Metoprolol	4.319	414610	1793646.20	92.0	4466.40	1816216	113.3927 ng/ml
Mirtazapine	4.624	1358523	10515.60	53.1	125752.81	822730	75.7296 ng/ml
Mitragynine	5.230	248682	234750.08	39.8	406324.77	527533	100.2041 ng/ml
Morphine	1.240	142833	2951.58	37.4	502.36	13553	116.7838 ng/ml
Norbuprenorphine	4.979	3127	65.13	90.3	2781.31	13397	11.0825 ng/ml
Nordiazepam	5.900	1136812	7340.90	55.2	823.80	327248	114.6909 ng/ml
Norfentanyl	4.079	365201	1179.36	33.7	523.85	1473071	10.4655 ng/ml
Norhydrocodone	3.059	132394	584.28	42.3	62.59	88153	106.3446 ng/ml
Noroxycodone	2.903	966890	12452.97	42.0	1797.09	309517	110.0606 ng/ml
O-desmethyl-tramadol	3.369	4673730	2759.23	6.8	10244.59	2499752	112.8446 ng/ml
Oxazepam	5.749	1915432	410.25	73.5	3176.67	772061	117.1928 ng/ml
Oxycodone	2.827	2050974	610.13	27.4	1574.22	835379	110.9816 ng/ml
Oxymorphone	1.391	1017168	∞	43.6	∞	314511	113.6853 ng/ml
Phentermine	3.783	608778	391.87	3.8	563.54	642135	119.2036 ng/ml
Promethazine	5.532	1220795	2108.01	28.2	4081.93	488755	106.4455 ng/ml
Pseudoephedrine	2.589	4337244	58358.81	16.0	237.05	1939860	106.3029 ng/ml
Quetiapine	5.548	1100534	3333197.73	57.6	96121.19	138004	112.3514 ng/ml
Sertraline	5.769	294602	11979.51	96.7	20450.47	110592	112.7759 ng/ml
Temazepam	5.816	3426872	26065.76	28.7	6795.97	1485886	105.8106 ng/ml
Tramadol	4.239	3993889	32298.14	3.6	1415.63	1816216	112.7956 ng/ml
Trazodone	5.163	1037450	1847807.76	79.9	55465.54	341872	115.8395 ng/ml
Venlafaxine	5.030	3060192	94498.10	37.2	2193.00	1455511	108.0342 ng/ml
Zolpidem	4.914	4172460	5514.24	30.2	8020.13	1991883	116.8617 ng/ml

AM #28 Multi-Drug Quant. Results

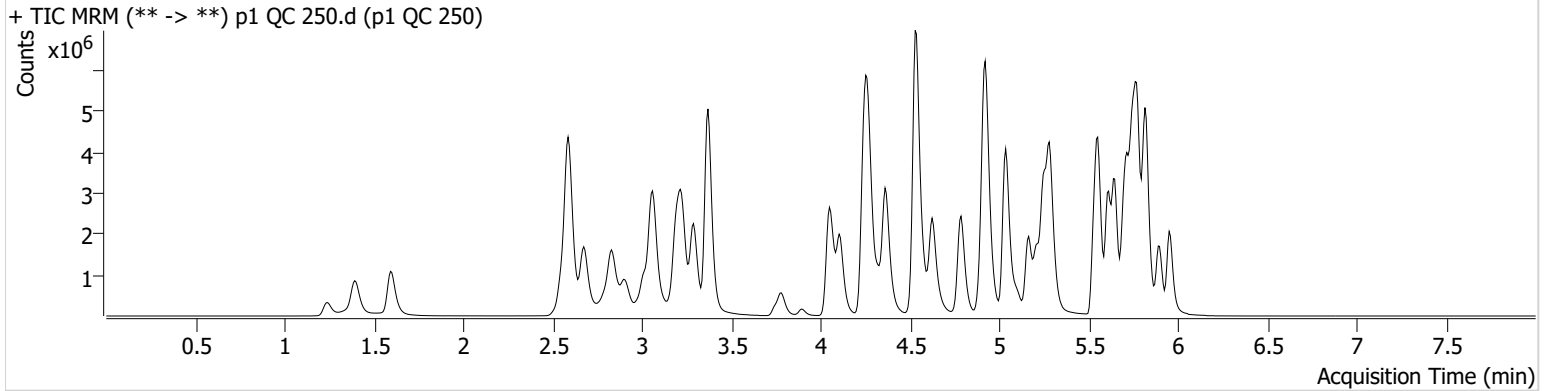
AA



Batch results C:\Users\agerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-C2	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 2:48:15 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	128863	833.97	67.5	467.60	127269	27.6749 ng/ml
7-aminoclonazepam	4.271	1493452	20719.91	77.4	47384.98	305143	271.9490 ng/ml
a-hydroxyalprazolam	5.692	820910	630.45	57.4	1442.13	443873	223.5518 ng/ml
alpha-PHP	4.930	1028338	50632.58	272.2	115108.38	781403	264.0340 ng/ml
alpha-PVP	4.363	5104688	59448.94	51.7	∞	781403	274.0277 ng/ml
Alprazolam	5.775	3583766	5659.80	111.2	∞	443873	283.4731 ng/ml
Amphetamine	3.063	6458026	4602.85	48.8	4573.35	297461	270.9656 ng/ml
Benzoylcegonine	3.892	187931	3294.07	7.8	57.10	26537	280.9265 ng/ml
Buprenorphine	5.840	66609	3113.20	14.1	43261.50	79785	29.0088 ng/ml
Bupropion	4.788	4155919	1409.26	60.2	639831.78	522308	272.9247 ng/ml
Carisoprodol	5.724	2759639	6758776.13	58.3	14815.28	497875	269.3683 ng/ml
Citalopram	5.212	2306072	24010.43	40.8	1591.71	381104	266.9277 ng/ml
Clonazepam	5.612	3768549	86320.94	31.0	48986.11	182727	284.7468 ng/ml
Clonazepam	5.548	2794280	218833.07	37.7	1712128.44	182727	292.9858 ng/ml
Cocaine	4.257	4234322	1073.52	51.7	1023.96	1353096	268.1934 ng/ml
Codeine	2.566	500641	121.86	97.1	408.40	101631	261.9672 ng/ml
Cyclobenzaprine	5.615	1620957	1093.97	8.9	8690.64	239915	269.5349 ng/ml
Dextromethorphan	5.255	1097653	12356.87	80.2	594.13	205957	270.7135 ng/ml
Dextrophan	4.111	1335500	1132.90	204.2	1683.50	553564	277.8425 ng/ml
Diazepam	5.953	2297410	13048.12	88.1	704.19	401555	280.5134 ng/ml
Dihydrocodeine	2.545	1482715	396.45	67.8	2690.75	357465	265.7194 ng/ml
Diphenhydramine	5.289	5474911	168734.07	33.3	28195.82	1238081	273.6840 ng/ml
Doxylamine	4.529	10735441	26826.56	95.4	293761.22	1645685	293.8400 ng/ml
EDDP	5.254	3753088	58567.20	42.0	1186.67	716171	273.1190 ng/ml
Etizolam	5.813	2277931	4655.32	25.4	1219772.42	182727	253.8928 ng/ml
Fentanyl	5.103	199015	11875.24	65.9	113.40	398927	26.7008 ng/ml
Flualprazolam	5.698	1564542	19948.59	102.3	41190.81	443873	280.7500 ng/ml
Fluoxetine	5.700	1424671	43272.55	8.5	860.45	225755	268.2949 ng/ml
Hydrocodone	3.012	2080373	∞	40.7	536.90	481441	276.1987 ng/ml
Hydromorphone	1.595	2016952	8834151.62	78.9	5355325.38	256702	273.9427 ng/ml
Ketamine	4.051	4264829	78756.23	35.7	2021.77	771312	277.0295 ng/ml
Lamotrigine	4.280	332446	2859.52	80.9	2709.52	771312	270.8742 ng/ml
Levetiracetam	2.676	1783243	3041.17	165.1	4774.32	1745620	282.8747 ng/ml

AA

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.740	1963273	63789.31	57.9	2982.75	182727	167.5546 ng/ml
MDA	3.196	4574914	23287.62	22.8	2418.94	465901	277.4309 ng/ml
MDMA	3.290	3468501	156922.00	75.2	4166.90	112281	278.6532 ng/ml
Meprobamate	4.917	1518245	171396.18	28.4	5464.58	311063	232.7533 ng/ml
Methadone	5.646	3878324	46487.54	48.9	7957.00	599368	274.5139 ng/ml
Methamphetamine	3.231	4442001	37169.76	37.1	2597.65	742539	265.3461 ng/ml
Metoprolol	4.326	919741	1254917.54	91.9	45829.60	1612742	284.9732 ng/ml
Mirtazapine	4.624	3845893	13198.47	52.0	113438.61	781403	225.7875 ng/ml
Mitragynine	5.230	732522	1625701.89	39.9	20212.22	599368	261.7335 ng/ml
Morphine	1.240	318390	1430.61	37.1	456.00	12820	276.1736 ng/ml
Norbuprenorphine	4.986	8562	389.23	94.0	196.12	15058	27.5353 ng/ml
Nordiazepam	5.900	2286098	2475.03	54.9	14200.18	272066	278.4468 ng/ml
Norfentanyl	4.079	833912	801.40	34.4	49546.19	1303135	26.9978 ng/ml
Norhydrocodone	3.059	273368	212.08	42.7	226.64	71721	270.1031 ng/ml
Noroxycodone	2.903	1949956	1068.09	41.8	16889.69	251639	274.0442 ng/ml
O-desmethyl-tramadol	3.369	11094974	231969.82	6.4	18738.43	2305826	291.0298 ng/ml
Oxazepam	5.749	2988322	11388.19	71.4	16894.75	491976	288.2499 ng/ml
Oxycodone	2.827	4759699	6072.27	27.4	2707.94	804396	268.4915 ng/ml
Oxymorphone	1.391	2174316	∞	44.3	∞	275672	278.4502 ng/ml
Phentermine	3.783	1443137	1846.21	3.8	683.10	649903	281.4101 ng/ml
Promethazine	5.532	3610970	1902.24	27.6	1124.56	581457	265.1269 ng/ml
Pseudoephedrine	2.589	10133759	1962.39	15.5	323080.41	1745620	276.2723 ng/ml
Quetiapine	5.548	2858129	180654.72	59.5	1123.24	150665	268.2397 ng/ml
Sertraline	5.769	691940	404.12	97.8	922.46	106182	277.0133 ng/ml
Temazepam	5.823	6221999	7781.24	27.9	17690.58	1046342	273.0118 ng/ml
Tramadol	4.246	9117422	2543.65	3.5	1466.53	1612742	291.5186 ng/ml
Trazodone	5.163	3011831	55724.75	82.0	665.75	420434	274.6097 ng/ml
Venlafaxine	5.037	7479198	183235.21	35.2	2110.90	1376897	279.3349 ng/ml
Zolpidem	4.921	9797063	26217.58	29.5	12487.00	1908856	287.8255 ng/ml

*Outside curve range

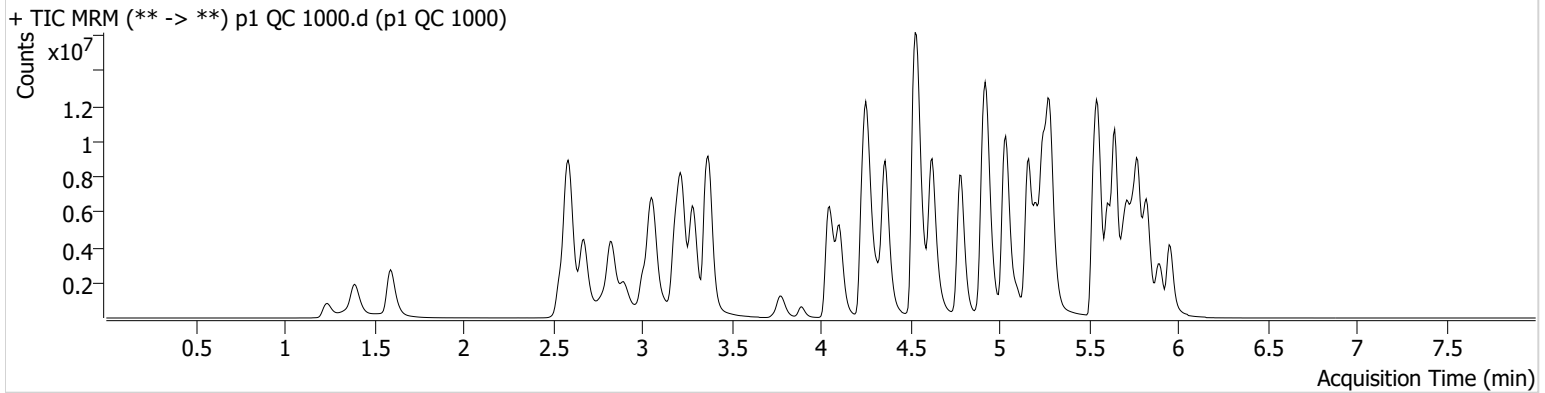
AM #28 Multi-Drug Quant. Results



Batch results C:\Users\agerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-D2	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 3:09:28 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	433635	1957.71	68.8	2059.18	103658	114.3572 ng/ml
7-aminoclonazepam	4.278	2206168	17014.12	86.3	20940.10	116982	1048.9294 ng/ml
* a-hydroxyalprazolam	5.685	1075116	149.30	56.7	3020.91	236655	551.5742 ng/ml
alpha-PHP	4.937	2722515	2530.35	278.5	220888.17	594010	922.3855 ng/ml
alpha-PVP	4.363	16407420	218884.41	51.5	132282.48	594010	1159.7584 ng/ml
Alprazolam	5.775	7403687	∞	109.6	∞	236655	1099.5820 ng/ml
* Amphetamine	3.061	15977112	13727.16	48.5	25067.87	234115	854.9689 ng/ml
Benzoylcegonine	3.892	735679	13878.64	7.9	4332.93	23366	1251.2809 ng/ml
* Buprenorphine	5.846	266523	186307.39	14.3	45918.57	66697	138.8240 ng/ml
Bupropion	4.788	14868729	310129.16	59.9	103560.22	454352	1124.3779 ng/ml
Carisoprodol	5.724	4452662	7456500.89	57.3	5267.46	178887	1209.3340 ng/ml
Citalopram	5.205	8446993	2362.66	38.6	1355.29	319846	1166.5081 ng/ml
* Clonazepam	5.605	5857868	65167.15	30.7	16076.74	87195	930.1099 ng/ml
Clonazepam	5.555	4249050	1935.03	37.7	1676238.38	87195	935.8459 ng/ml
Cocaine	4.257	11863236	1052.13	50.2	828.39	890666	1142.3673 ng/ml
* Codeine	2.566	1055929	1494.40	96.9	517.22	67078	840.5981 ng/ml
Cyclobenzaprine	5.615	6768864	126768.25	8.4	668.07	228820	1180.9815 ng/ml
Dextromethorphan	5.255	3370362	63371.99	80.0	50085.83	151552	1131.5682 ng/ml
Dextrophan	4.105	4034051	1433.97	211.1	70735.35	400474	1161.3612 ng/ml
Diazepam	5.960	5568417	88611.43	88.3	58259.98	244778	1117.4692 ng/ml
* Dihydrocodeine	2.538	3998292	1320.92	68.7	∞	308309	833.6973 ng/ml
Diphenhydramine	5.289	19205026	893715.23	34.1	1037.02	1040844	1142.6935 ng/ml
Doxylamine	4.529	31725197	442772.40	96.6	91534.32	1419179	1008.4858 ng/ml
EDDP	5.248	13581925	371591.13	40.8	151941.97	603098	1174.7797 ng/ml
Etizolam	5.813	5472514	25582.96	24.7	2906373.16	87195	1276.9813 ng/ml
Fentanyl	5.103	955904	835.02	64.3	666.94	464047	110.3535 ng/ml
Flualprazolam	5.698	2919880	16124.25	103.9	50309.54	236655	985.6732 ng/ml
Fluoxetine	5.700	4134229	121572.08	8.1	2952.89	161132	1093.3998 ng/ml
Hydrocodone	3.005	5980785	434.64	40.5	393.44	382260	1003.6016 ng/ml
Hydromorphone	1.595	5902649	13388542.47	77.8	52123050.1	185462	1111.3172 ng/ml
					2		
Ketamine	4.044	13270252	304045.70	34.5	10313.09	621249	1072.9046 ng/ml
* Lamotrigine	4.280	657338	20248.42	82.2	46290.21	621249	668.0442 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.676	4762058	17124.04	168.4	19727.04	1063909	1240.6109 ng/ml
* Lorazepam	5.740	2025008	63028.76	57.4	3252.03	87195	364.2183 ng/ml
MDA	3.189	10052925	101531.38	21.8	6226.89	308853	923.2120 ng/ml
MDMA	3.290	10543800	380222.77	74.9	36389.03	84388	1128.2452 ng/ml
* Meprobamate	4.911	2117366	29840.23	27.6	41484.93	194920	520.1286 ng/ml
Methadone	5.646	14964740	208667.37	50.5	84306.54	552657	1149.8685 ng/ml
Methamphetamine	3.224	15765360	57456.68	35.2	21427.77	730697	961.4027 ng/ml
Metoprolol	4.326	2394047	6441255.79	93.0	146645.43	1208328	992.8352 ng/ml
Mirtazapine	4.624	15935760	207672.98	51.1	8223.43	594010	1230.8565 ng/ml
Mitragynine	5.230	2576561	135057.28	39.8	351828.08	552657	1001.8670 ng/ml
Morphine	1.240	897429	215.33	39.1	20731.06	9360	1068.1671 ng/ml
Norbuprenorphine	4.986	35739	162262.90	95.2	8393.81	15539	112.5169 ng/ml
Nordiazepam	5.900	4824276	22962.77	54.1	13205.10	146374	1094.2821 ng/ml
Norfentanyl	4.079	2444377	78283.11	34.3	5250.60	822676	125.3168 ng/ml
Norhydrocodone	3.053	850190	∞	39.3	173.00	48936	1231.6384 ng/ml
Noroxycodone	2.903	4400876	20095.81	42.3	323.25	144000	1082.8596 ng/ml
O-desmethyl-tramadol	3.369	27667340	∞	7.2	610.71	1594004	1050.8468 ng/ml
Oxazepam	5.749	2784785	19706.21	73.9	12910.83	128069	1034.2469 ng/ml
Oxycodone	2.821	15029175	9799.25	26.2	3787.97	634706	1076.6053 ng/ml
Oxymorphone	1.391	6036660	317.34	42.6	∞	203380	1050.1622 ng/ml
Phentermine	3.783	3957810	∞	3.8	295.14	563630	893.4604 ng/ml
Promethazine	5.532	15586456	360016.81	28.2	3935.01	612000	1088.2664 ng/ml
Pseudoephedrine	2.589	26569191	227341.93	15.5	164510.78	1063909	1189.0216 ng/ml
Quetiapine	5.548	10866245	1128.75	57.1	92569.67	137133	1122.6955 ng/ml
Sertraline	5.769	2043943	33281.19	98.1	14232.46	76314	1140.9832 ng/ml
Temazepam	5.830	8879361	61995.20	27.9	10570.40	347203	1174.5546 ng/ml
Tramadol	4.239	22701334	1458.37	3.7	1515.24	1208328	971.0537 ng/ml
Trazodone	5.163	14249953	771526.76	82.6	2023.98	526823	1039.2408 ng/ml
Venlafaxine	5.040	22671095	540070.70	37.5	2138.71	1041245	1120.0935 ng/ml
Zolpidem	4.921	26194420	3045.11	32.0	187786.65	1625117	906.1288 ng/ml

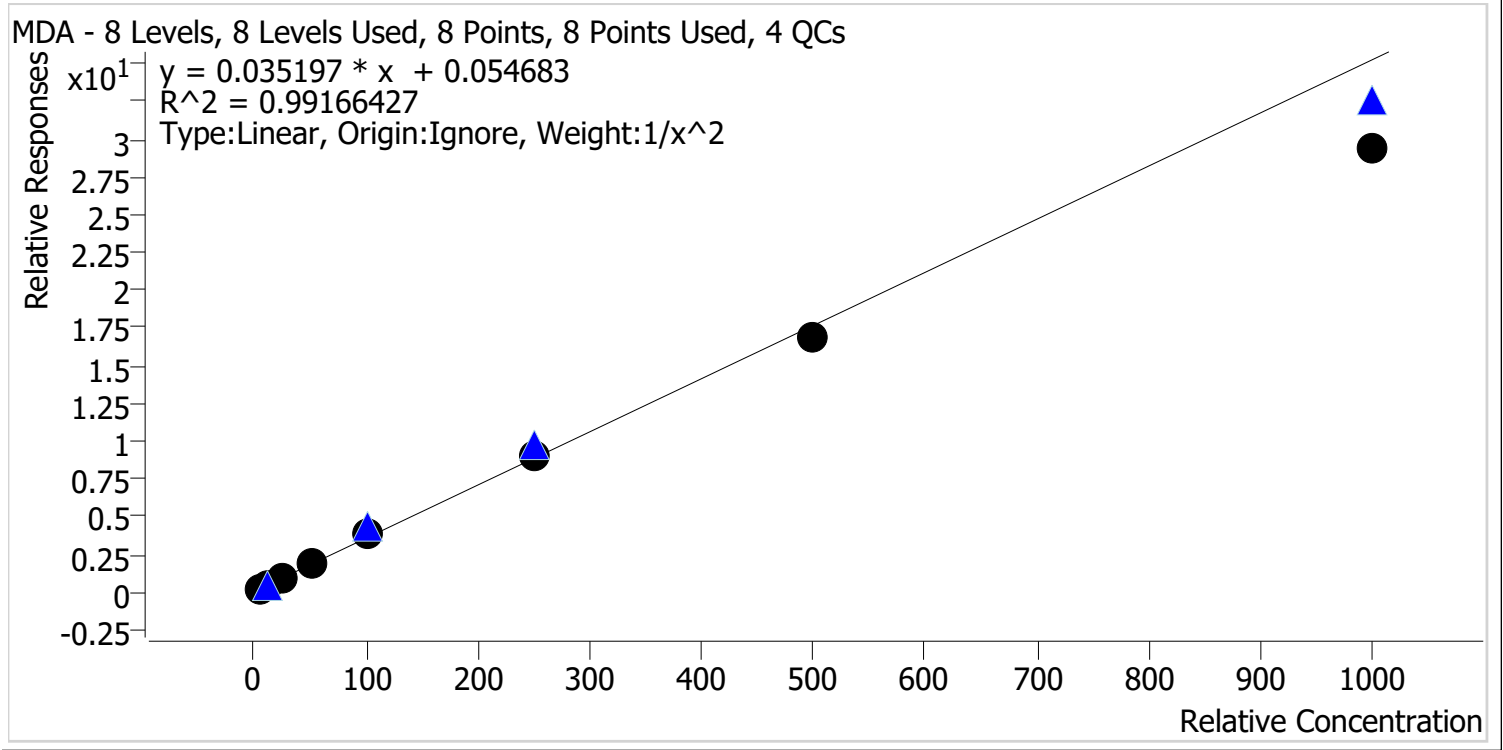
*Outside curve range

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte MDA **Internal Standard** MDA-D5



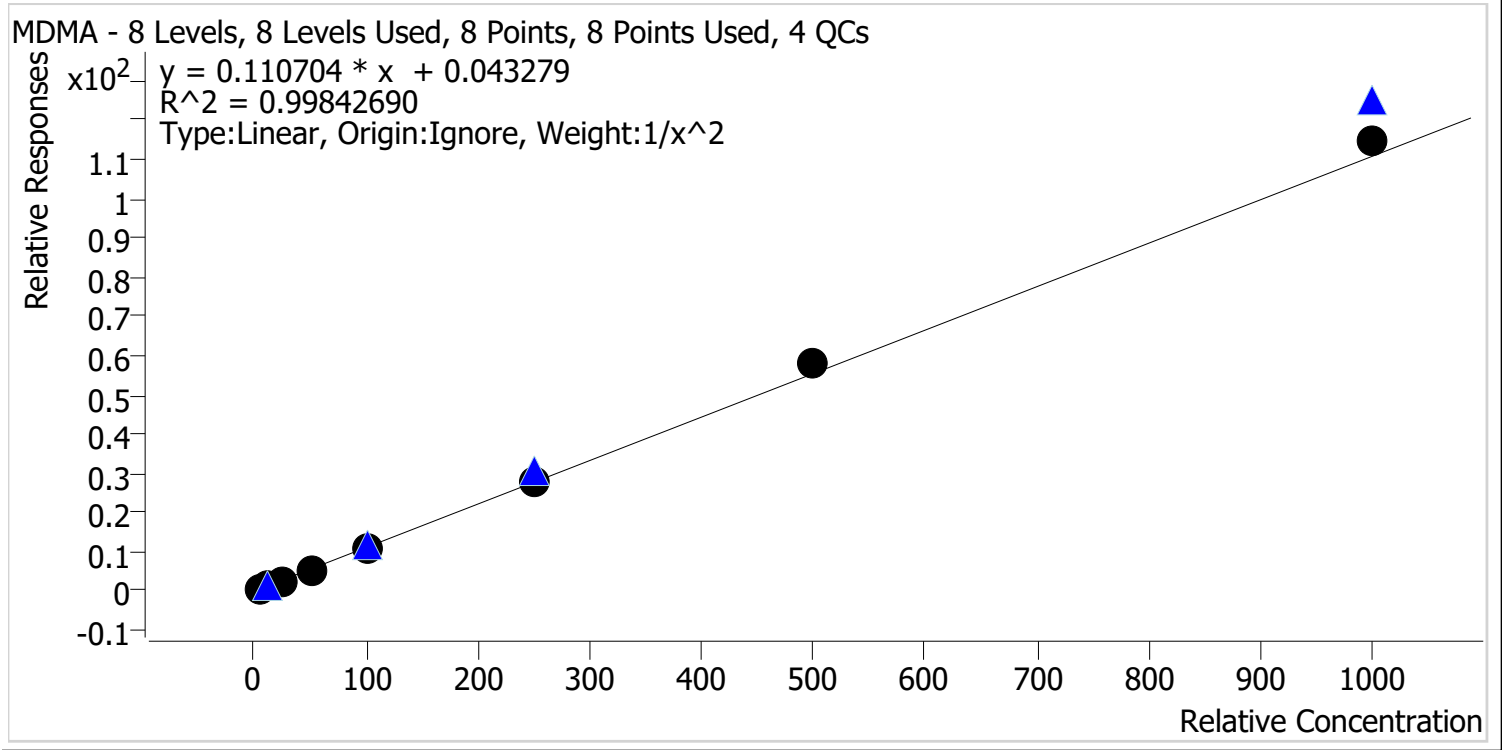
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p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	255.4	102.1
p1 Cal 7-500ng	7	✓	500.0	480.0	96.0
p1 Cal 8-1000ng	8	✓	1000.0	834.3	83.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte MDMA **Internal Standard** MDMA-D6



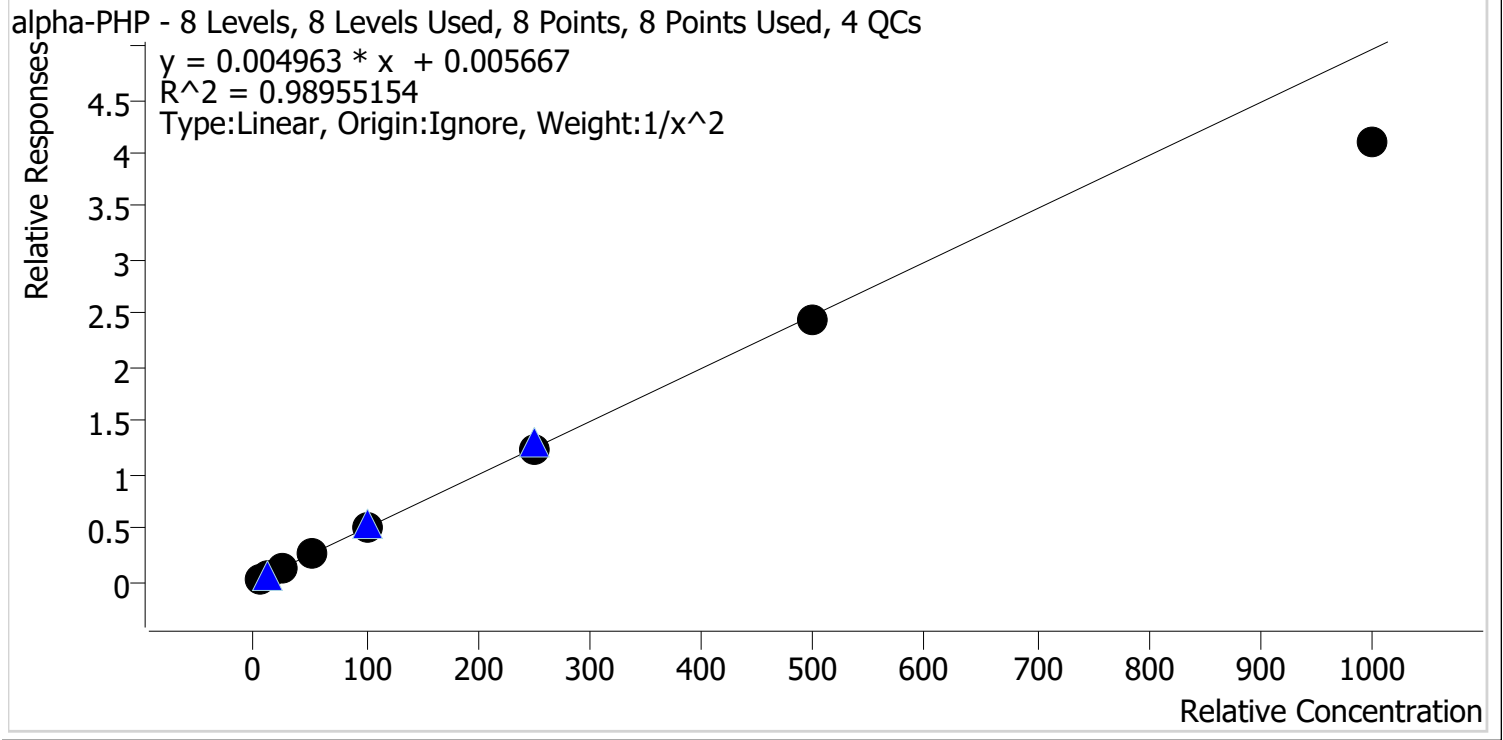
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	250.4	100.1
p1 Cal 7-500ng	7	✓	500.0	526.2	105.2
p1 Cal 8-1000ng	8	✓	1000.0	1039.5	104.0

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8



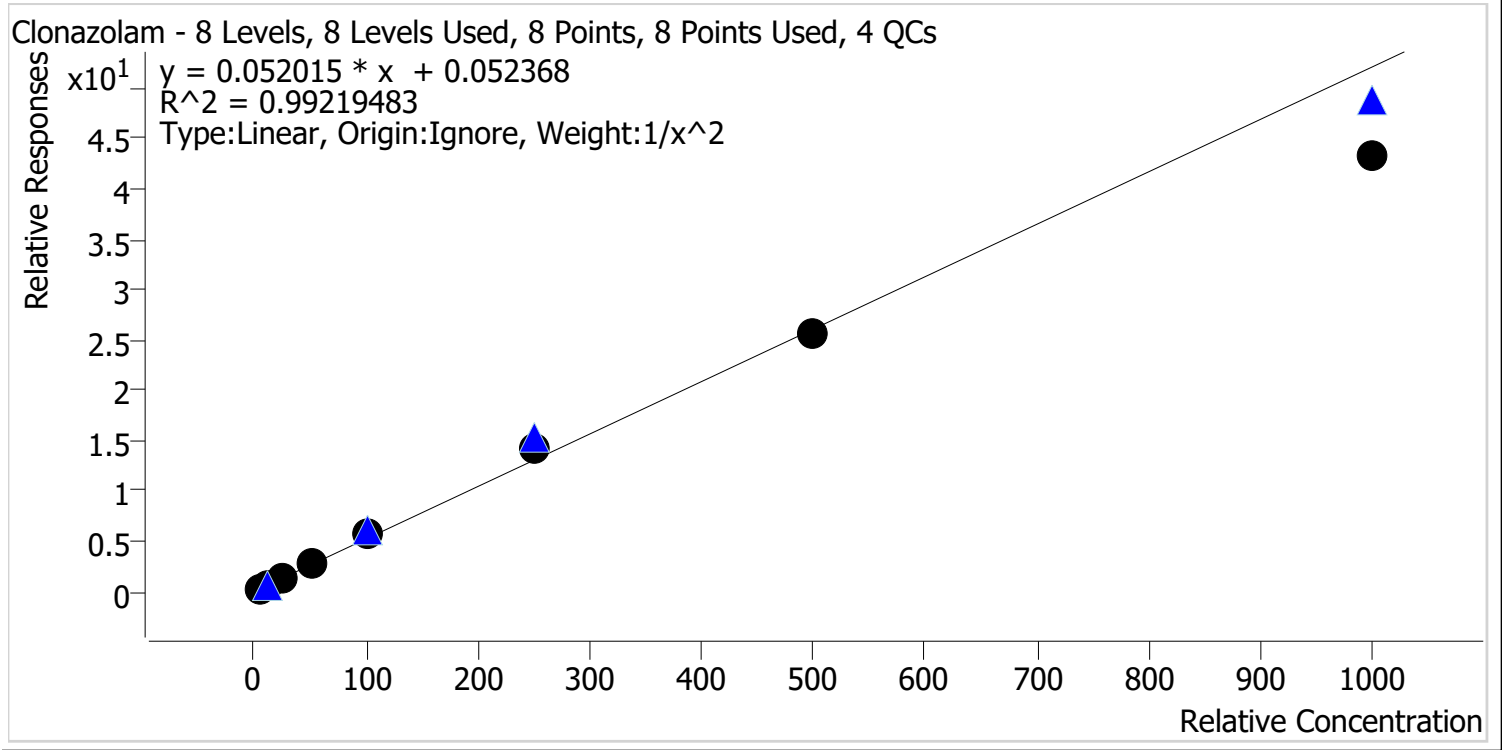
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.3
p1 Cal 2-10ng	2	✓	10.0	10.9	108.9
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	488.2	97.6
p1 Cal 8-1000ng	8	✓	1000.0	823.0	82.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Clonazolam **Internal Standard** Clonazepam-D4



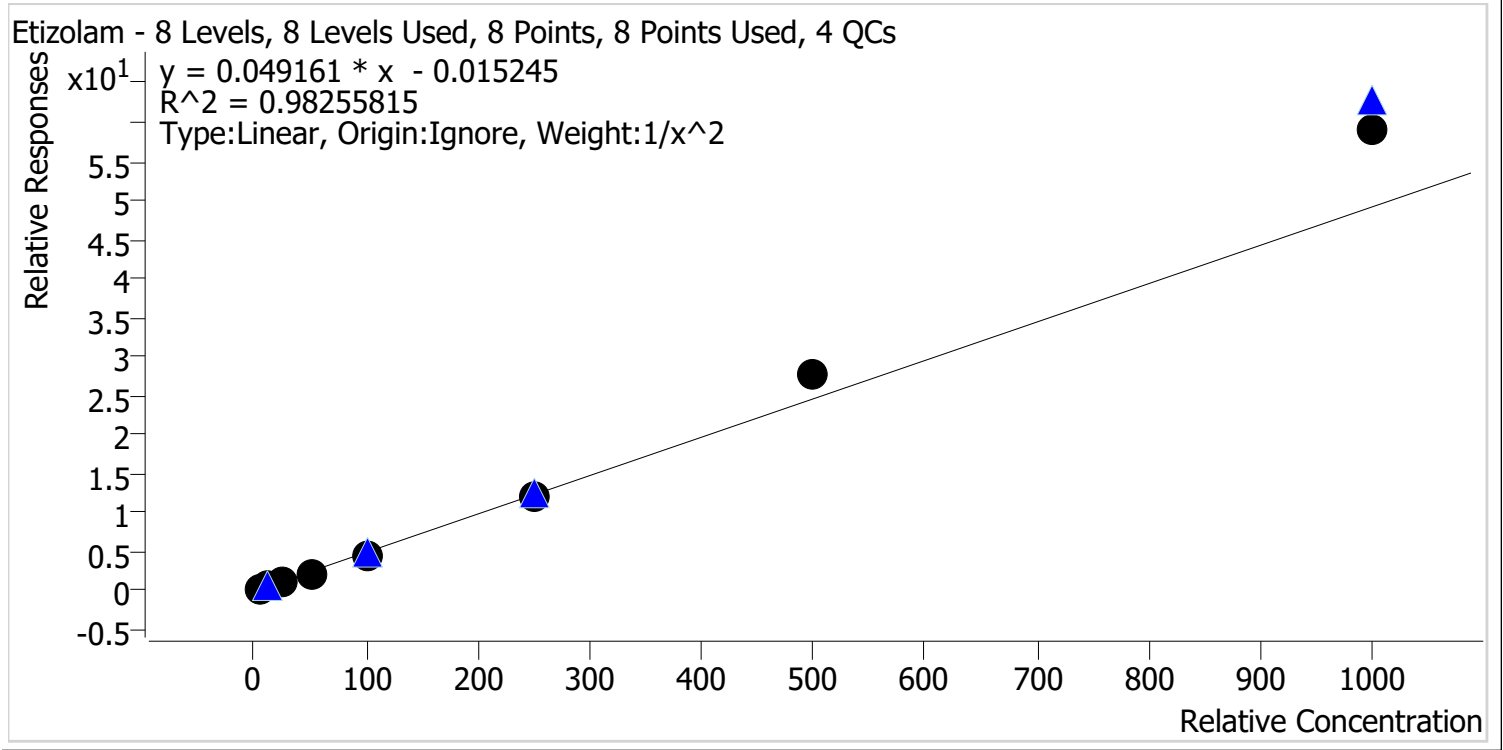
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	107.4	107.4
p1 Cal 6-250ng	6	✓	250.0	269.9	107.9
p1 Cal 7-500ng	7	✓	500.0	493.7	98.7
p1 Cal 8-1000ng	8	✓	1000.0	833.5	83.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Etizolam **Internal Standard** Clonazepam-D4



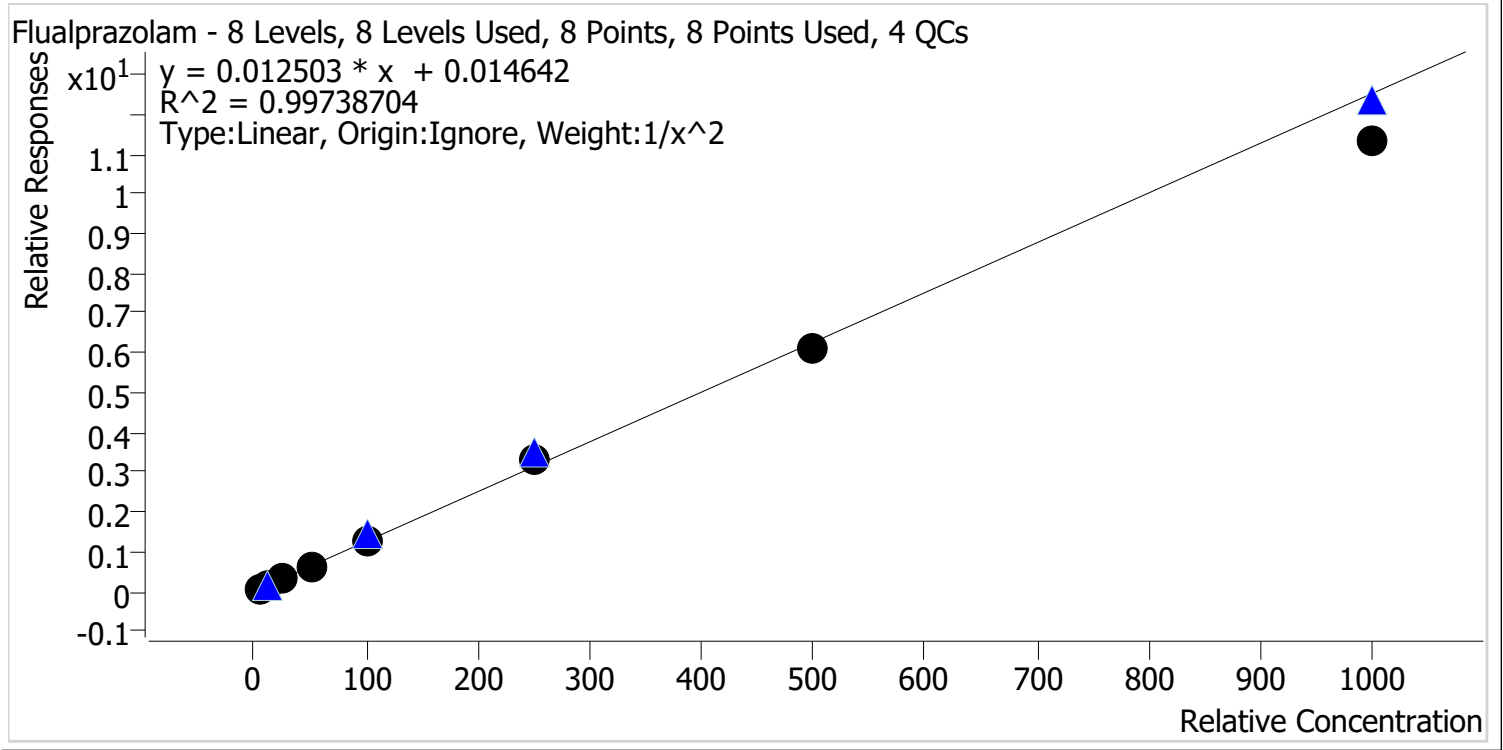
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.7
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	22.2	88.7
p1 Cal 4-50ng	4	✓	50.0	44.7	89.4
p1 Cal 5-100ng	5	✓	100.0	91.6	91.6
p1 Cal 6-250ng	6	✓	250.0	240.4	96.2
p1 Cal 7-500ng	7	✓	500.0	564.7	112.9
p1 Cal 8-1000ng	8	✓	1000.0	1197.9	119.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



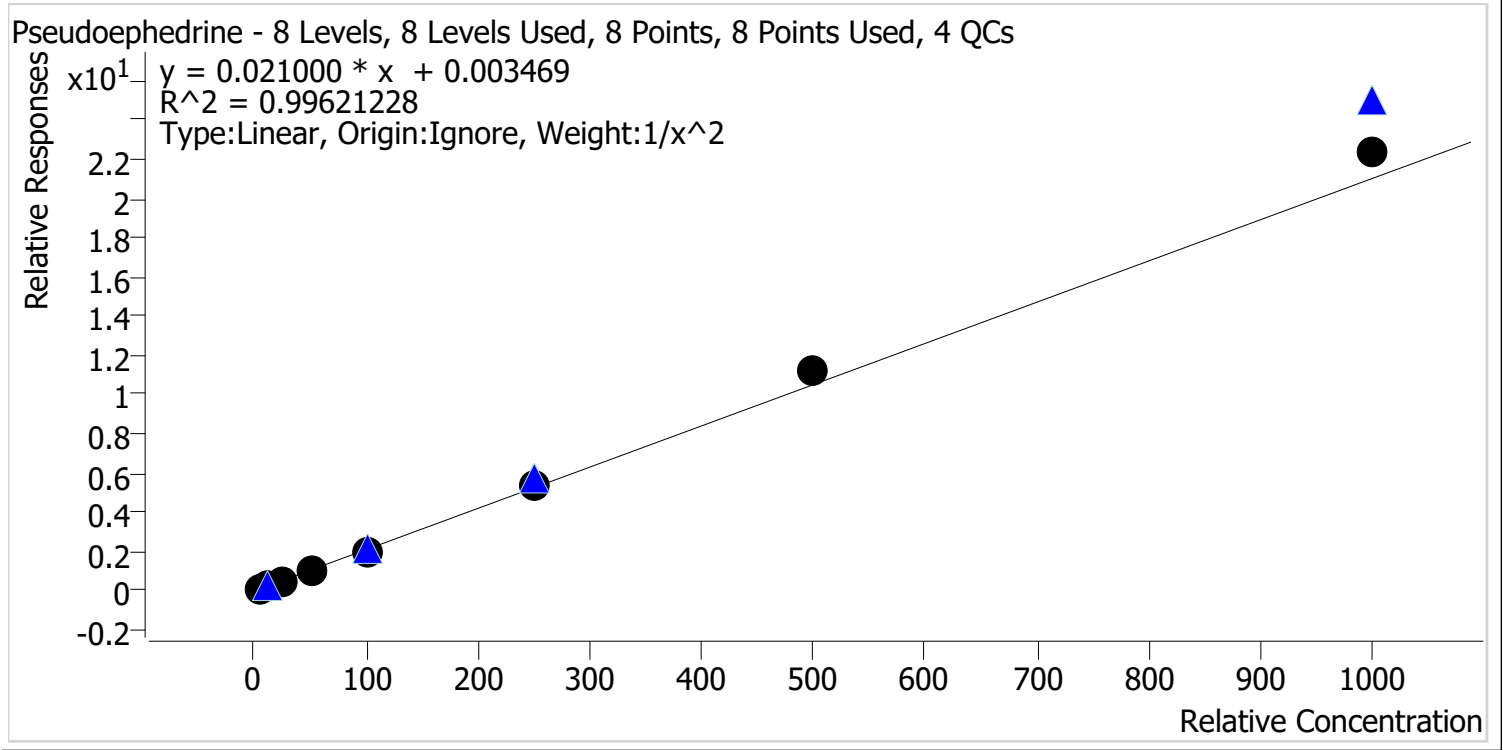
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	261.0	104.4
p1 Cal 7-500ng	7	✓	500.0	484.9	97.0
p1 Cal 8-1000ng	8	✓	1000.0	908.6	90.9

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



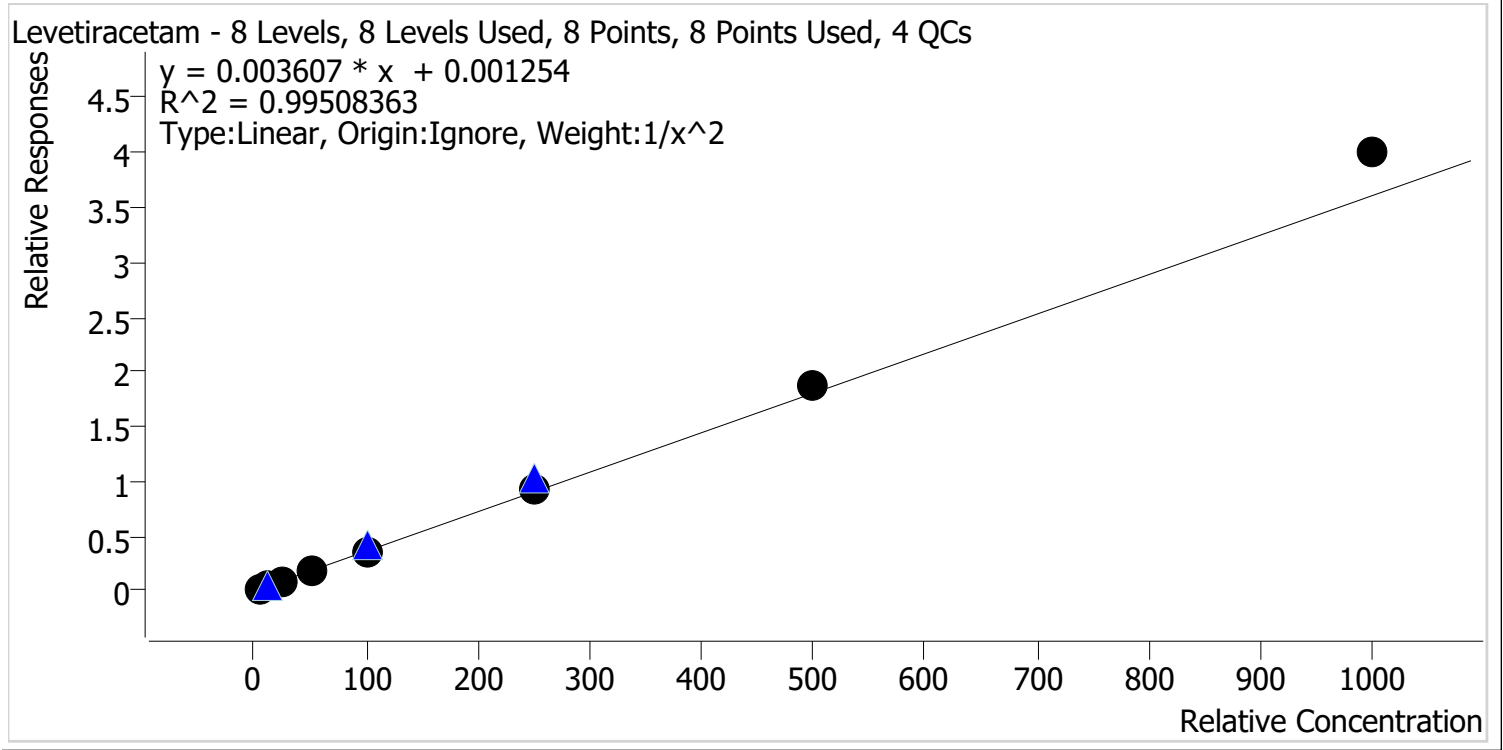
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.8
p1 Cal 4-50ng	4	✓	50.0	46.7	93.5
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	534.5	106.9
p1 Cal 8-1000ng	8	✓	1000.0	1063.6	106.4

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.8
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	520.2	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1108.2	110.8

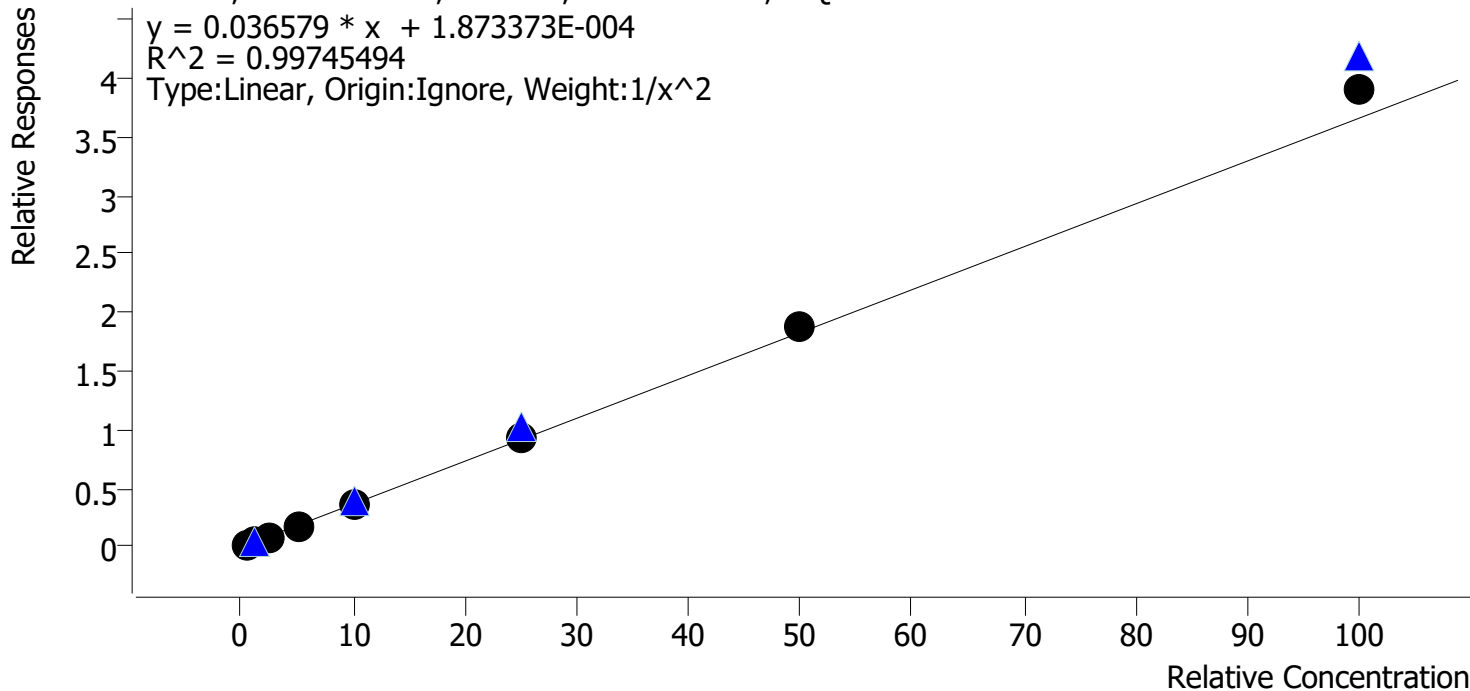
AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
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



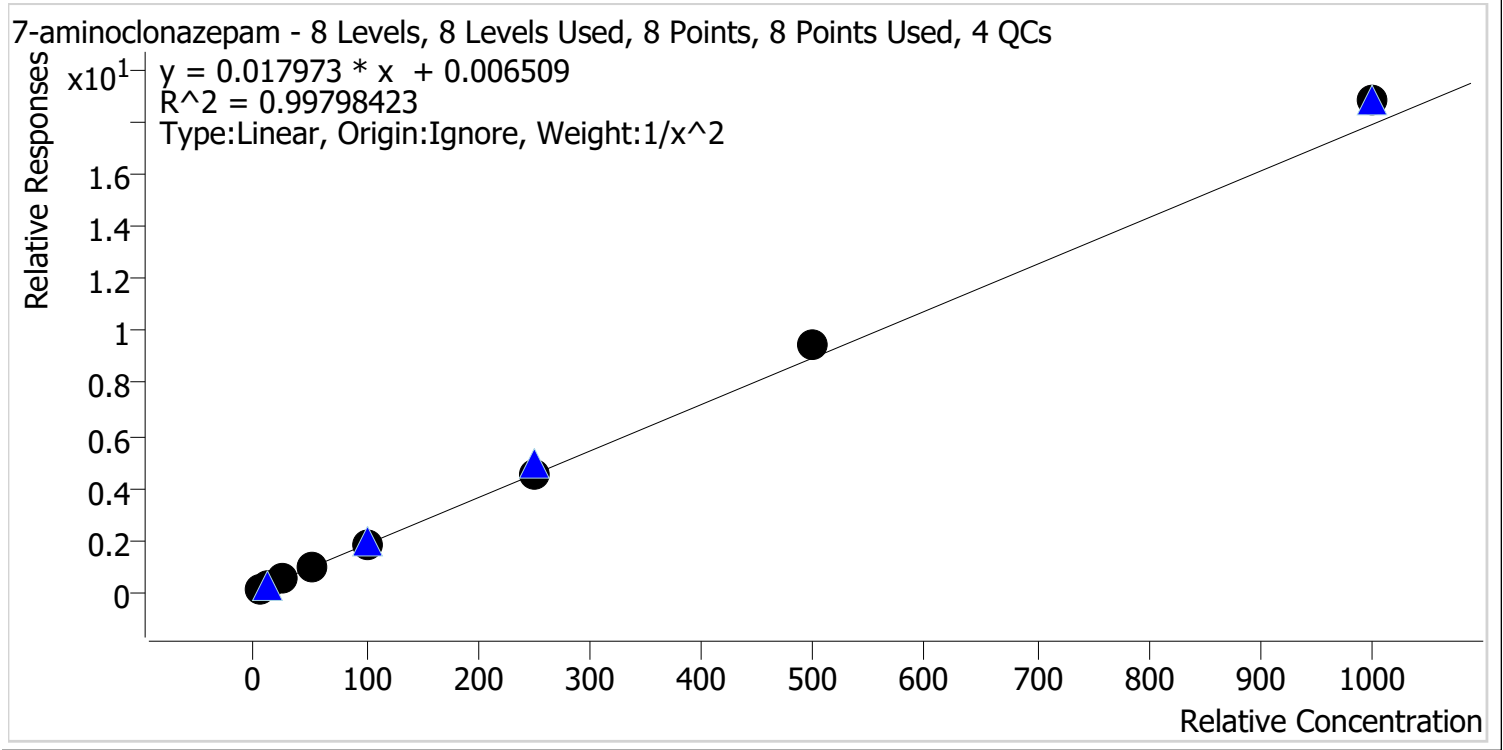
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.8
p1 Cal 2-10ng	2	✓	1.0	1.0	95.4
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.4
p1 Cal 4-50ng	4	✓	5.0	4.9	97.6
p1 Cal 5-100ng	5	✓	10.0	10.0	99.8
p1 Cal 6-250ng	6	✓	25.0	25.2	100.7
p1 Cal 7-500ng	7	✓	50.0	51.4	102.9
p1 Cal 8-1000ng	8	✓	100.0	106.5	106.5

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



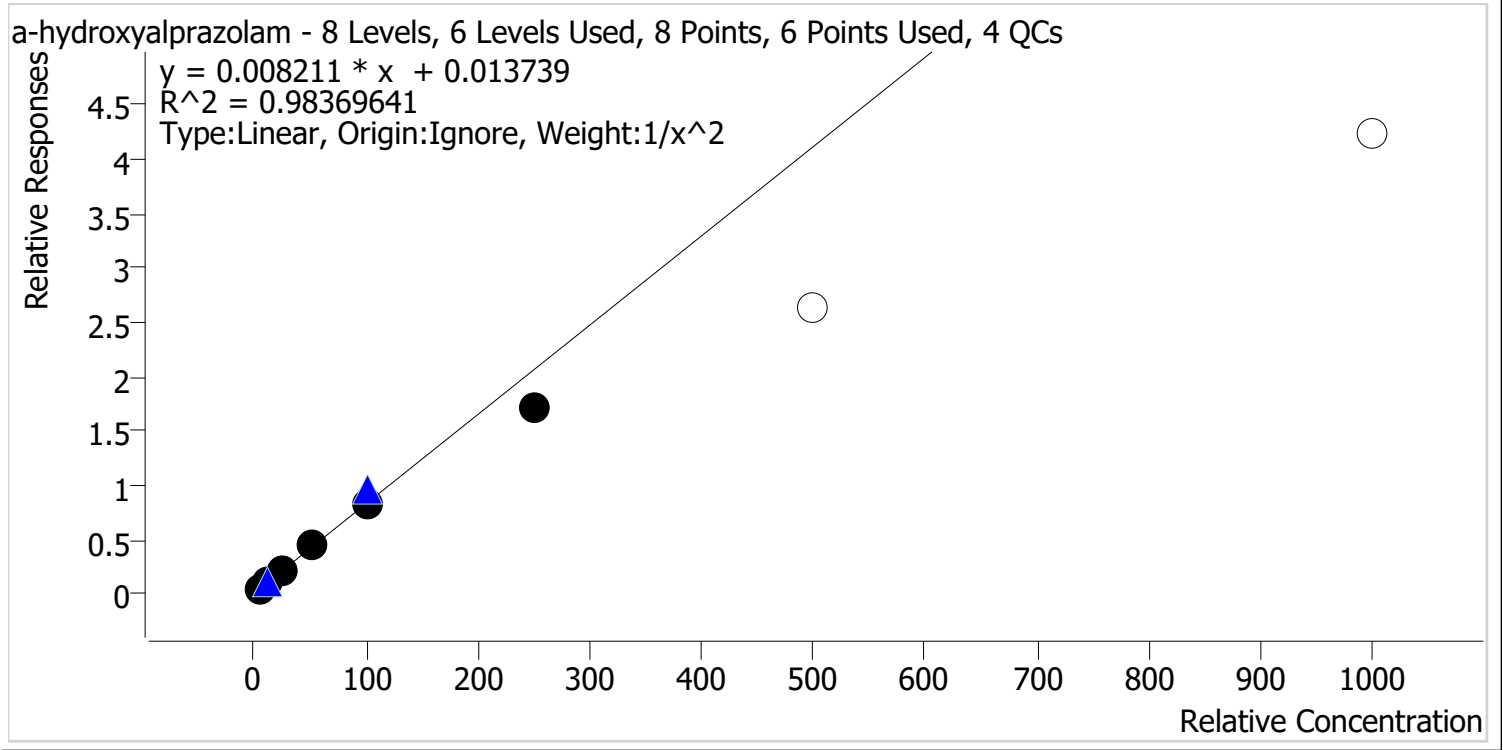
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	47.9	95.8
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	526.8	105.4
p1 Cal 8-1000ng	8	✓	1000.0	1051.2	105.1

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.1
p1 Cal 2-10ng	2	✓	10.0	10.8	108.1
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.5
p1 Cal 4-50ng	4	✓	50.0	54.8	109.5
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	205.5	82.2
p1 Cal 7-500ng	7	✗	500.0	318.1	63.6
p1 Cal 8-1000ng	8	✗	1000.0	514.7	51.5

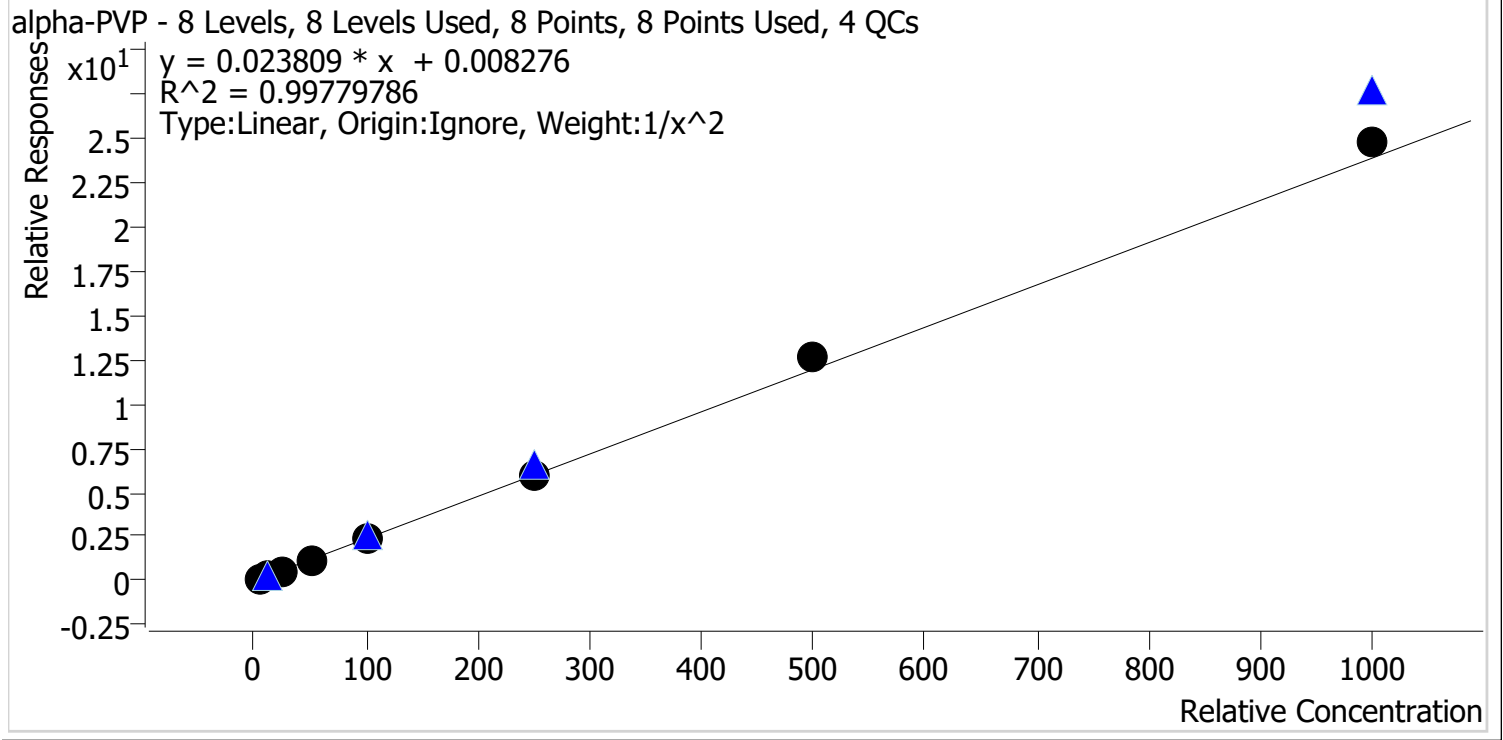
*Cal 7 and 8 removed due to accuracy
 Compound evaluated qualitatively due to no matching internal standard

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8



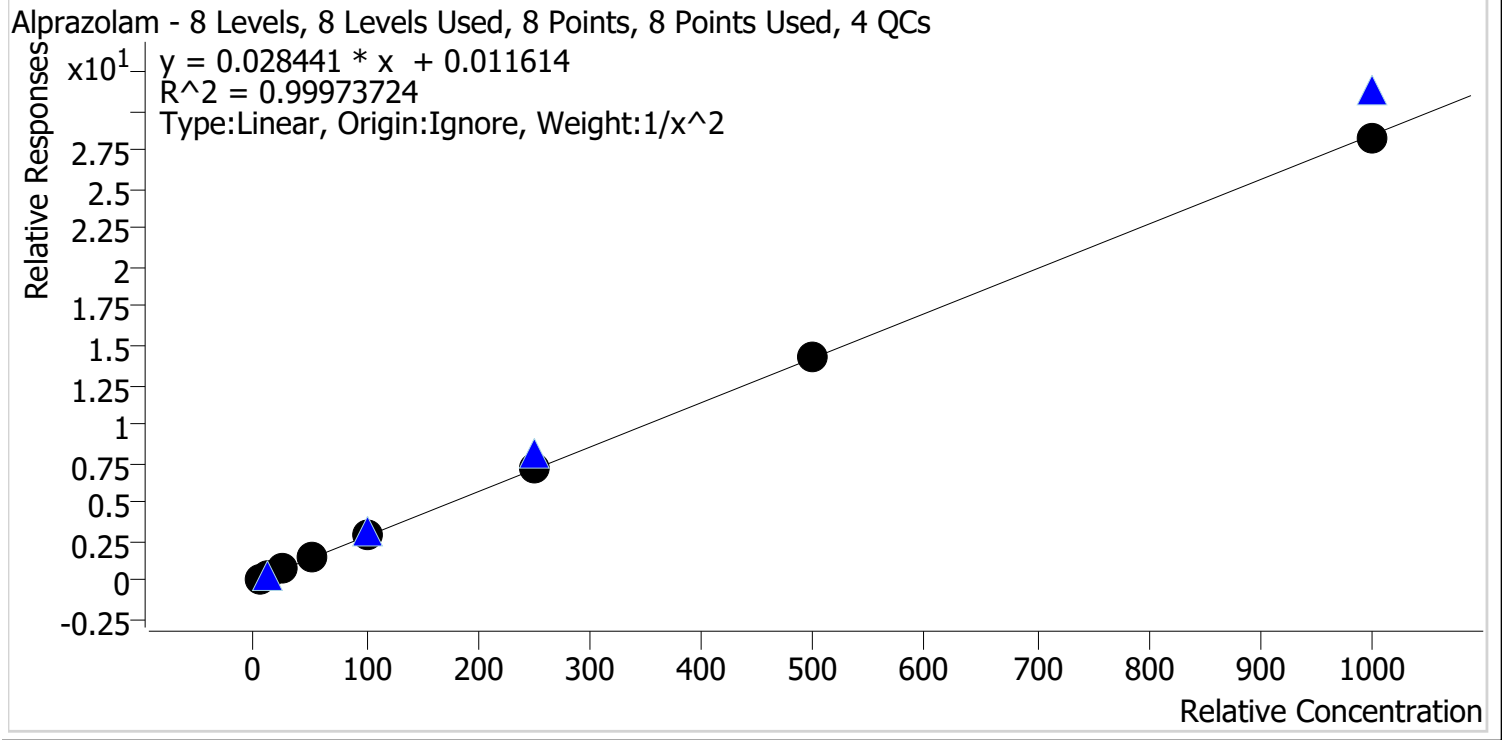
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	532.7	106.5
p1 Cal 8-1000ng	8	✓	1000.0	1041.4	104.1

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Alprazolam **Internal Standard** Alprazolam-D5



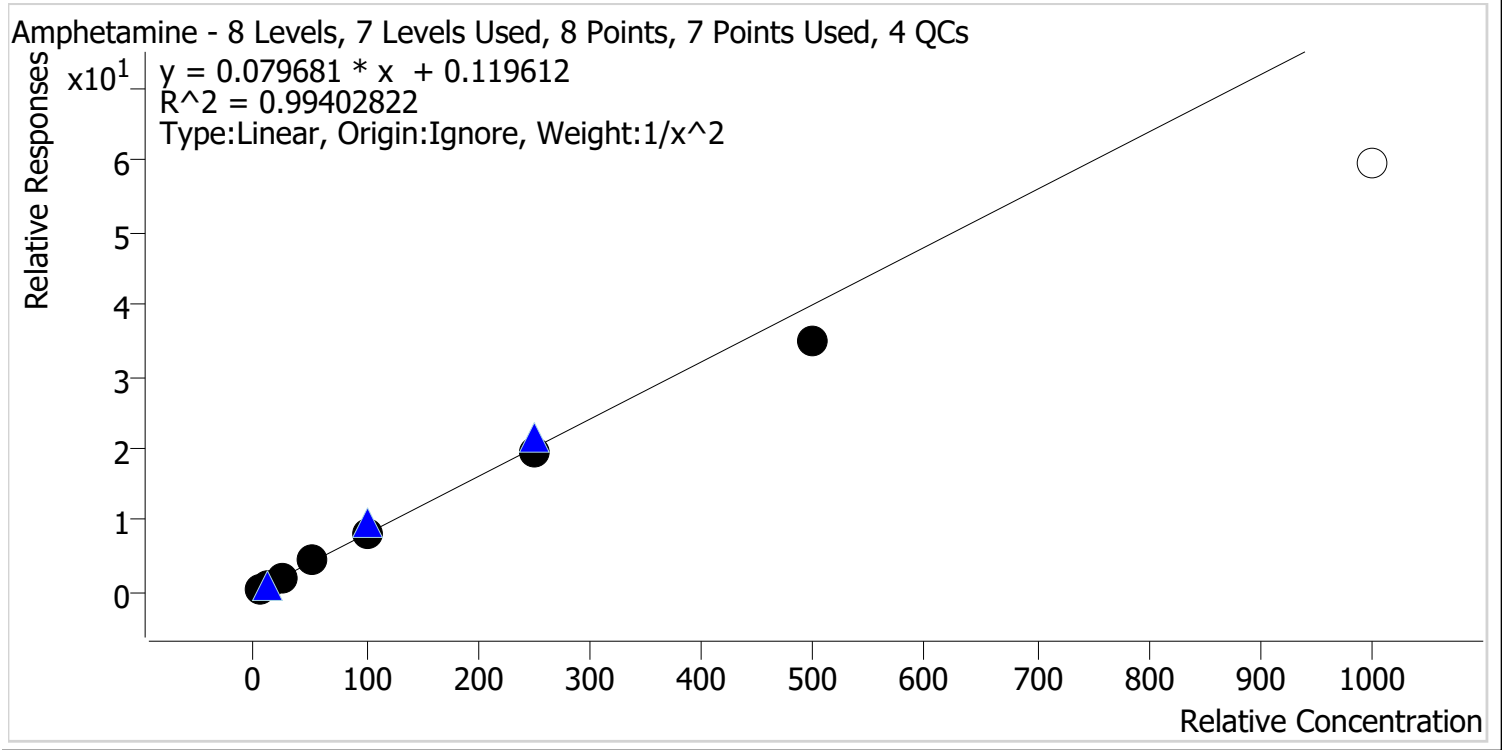
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.8	99.5
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	993.6	99.4

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Amphetamine **Internal Standard** Amphetamine-D11



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	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.2
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	438.5	87.7
p1 Cal 8-1000ng	8	✗	1000.0	745.8	74.6

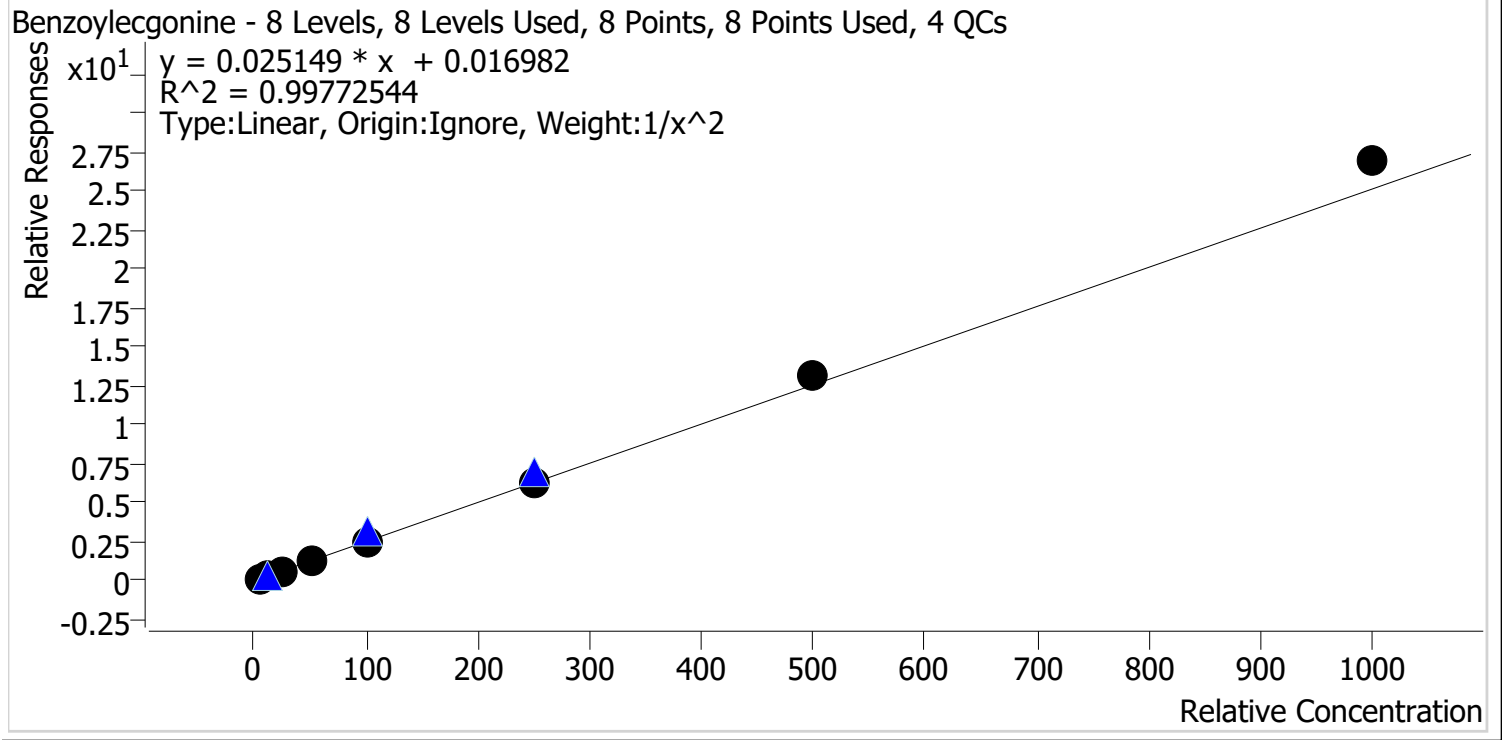
*Cal 8 dropped due to accuracy

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

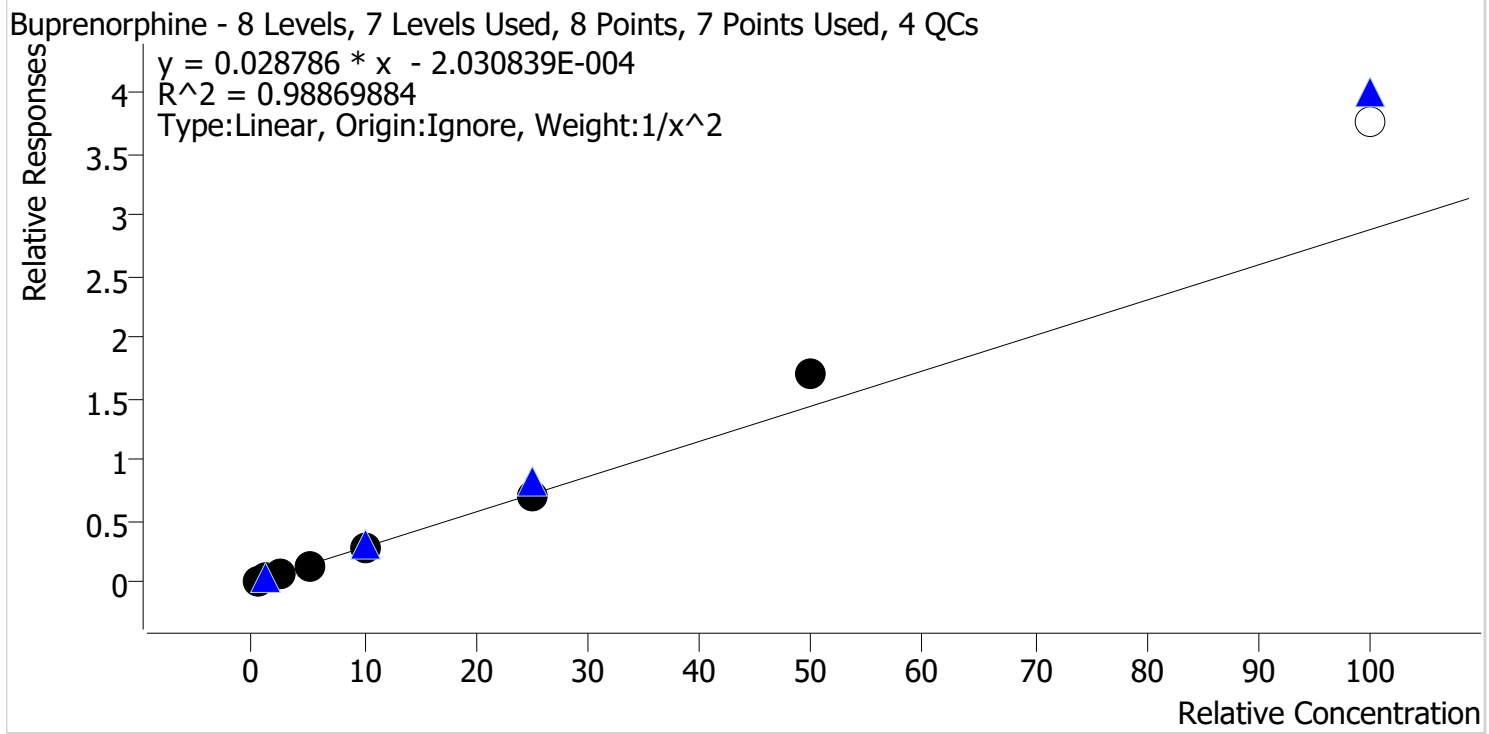


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	250.6	100.3
p1 Cal 7-500ng	7	✓	500.0	519.8	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1070.8	107.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
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	103.5
p1 Cal 2-10ng	2	✓	1.0	1.0	97.6
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.2
p1 Cal 4-50ng	4	✓	5.0	4.7	93.9
p1 Cal 5-100ng	5	✓	10.0	9.4	94.4
p1 Cal 6-250ng	6	✓	25.0	25.0	99.9
p1 Cal 7-500ng	7	✓	50.0	59.3	118.5
p1 Cal 8-1000ng	8	✗	100.0	130.9	130.9

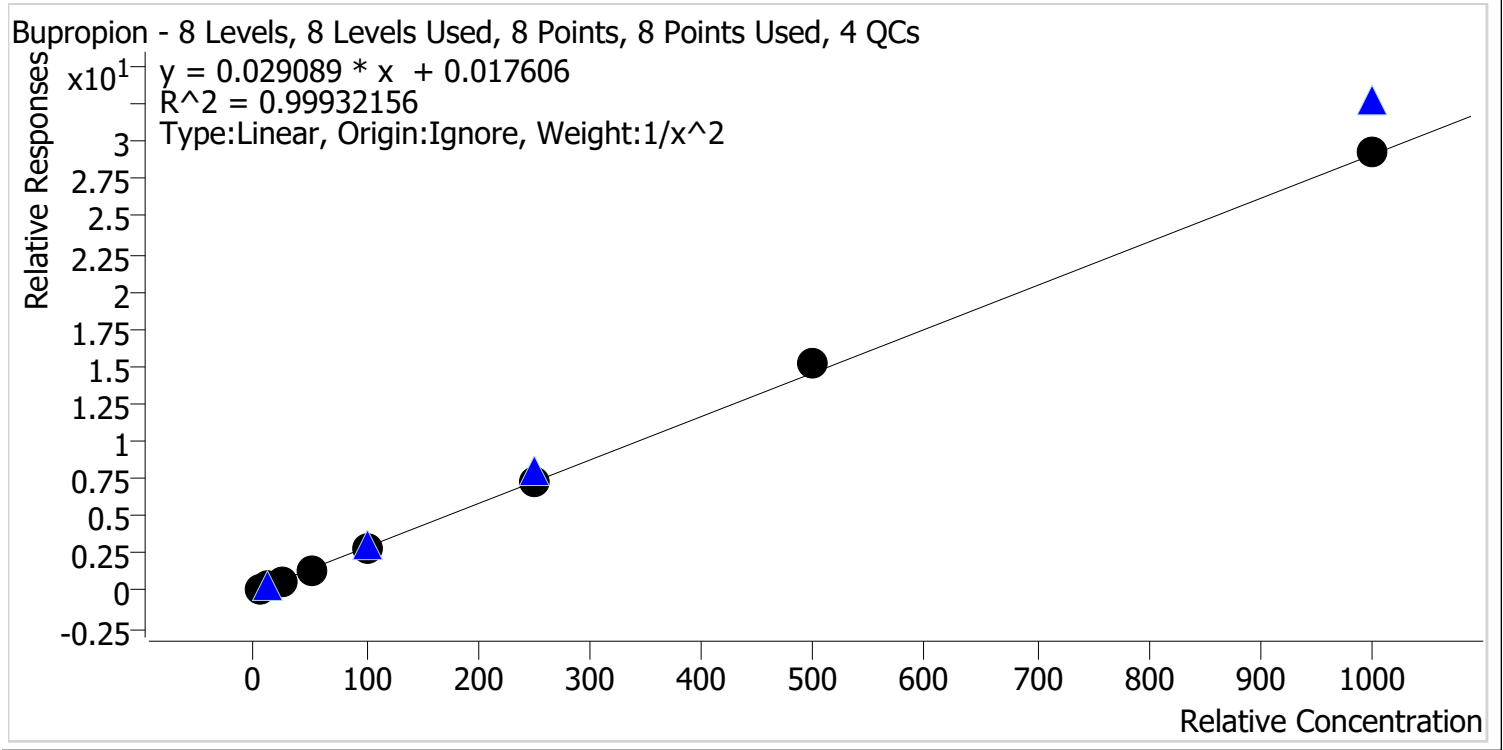
*Cal 8 dropped due to accuracy

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Bupropion **Internal Standard** Bupropion-D9



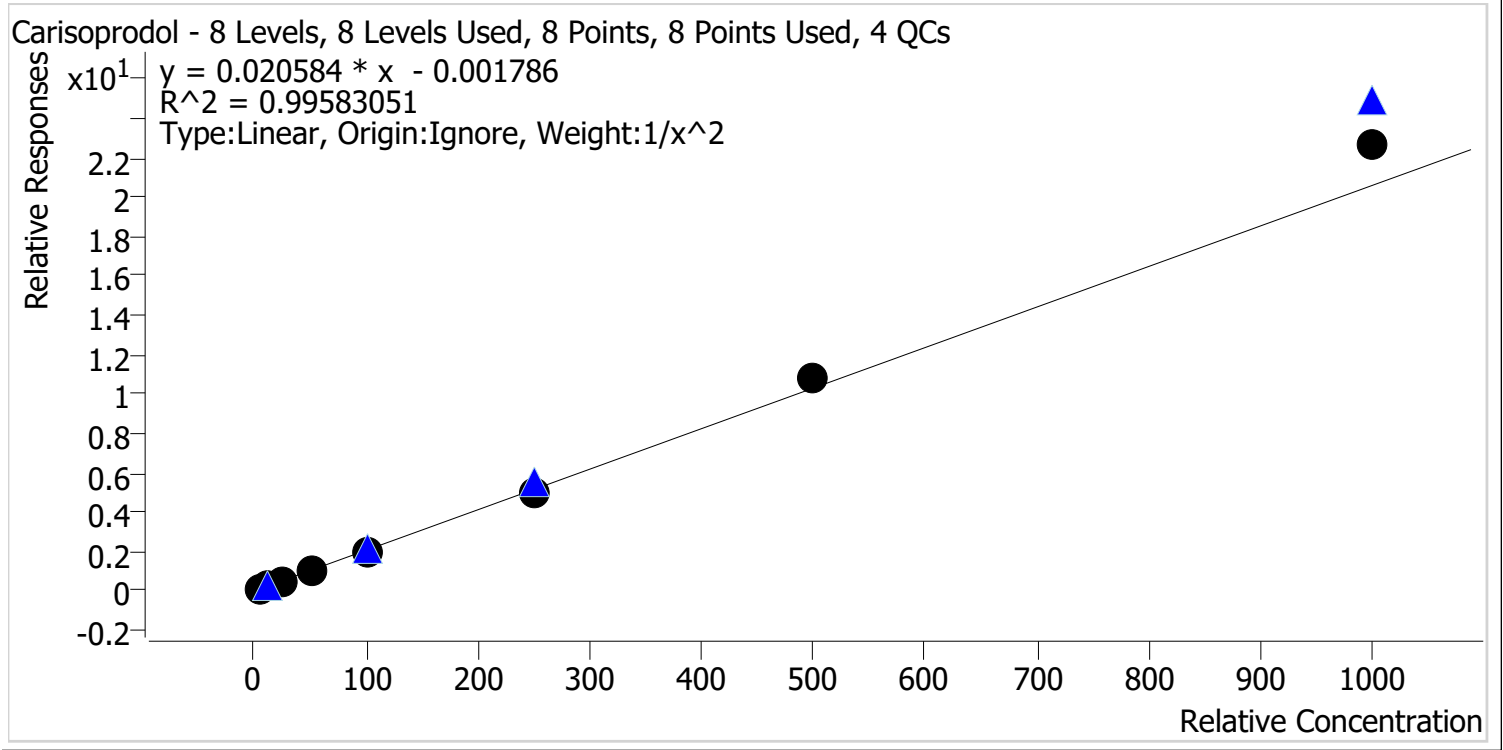
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	523.1	104.6
p1 Cal 8-1000ng	8	✓	1000.0	1006.5	100.7

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



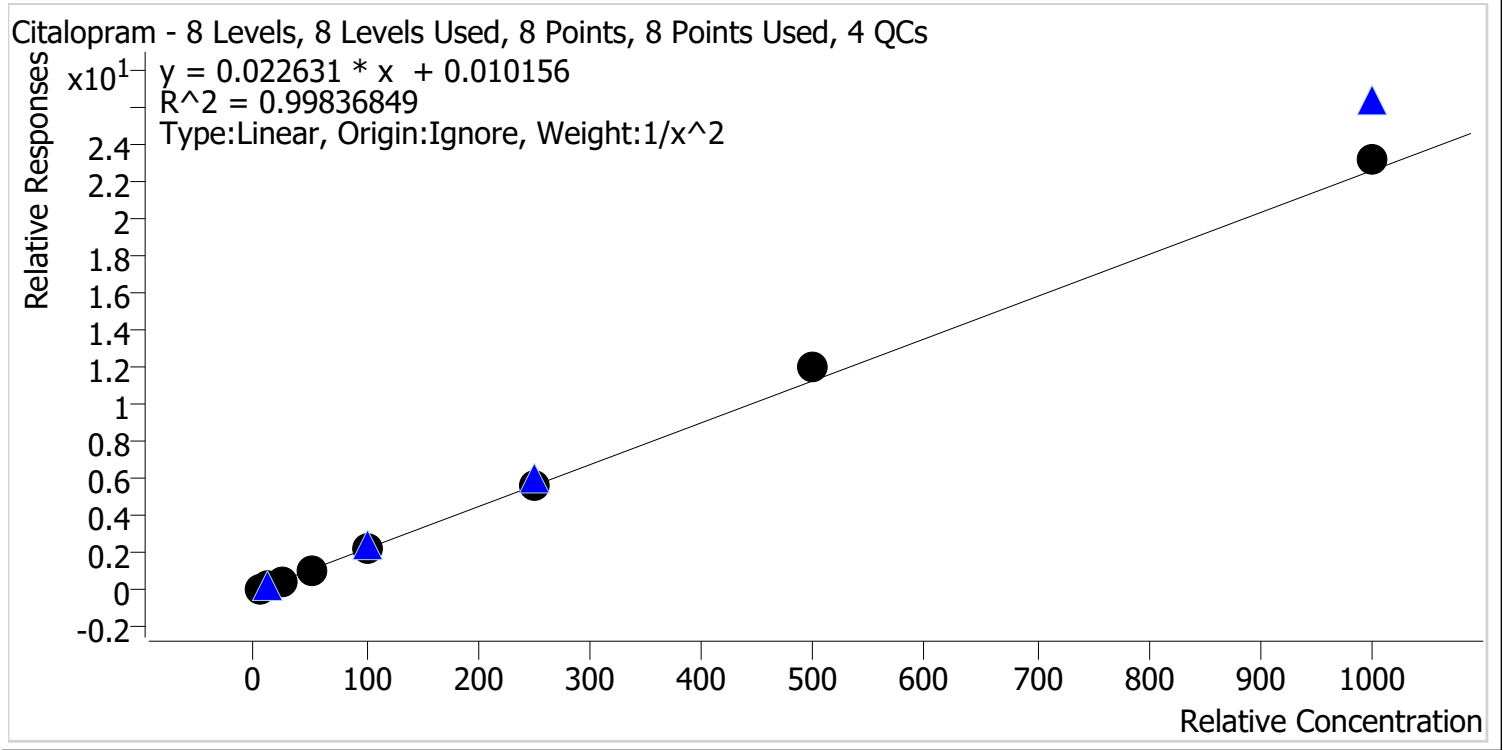
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	47.0	94.0
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	527.2	105.4
p1 Cal 8-1000ng	8	✓	1000.0	1100.7	110.1

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Citalopram **Internal Standard** Citalopram-D6



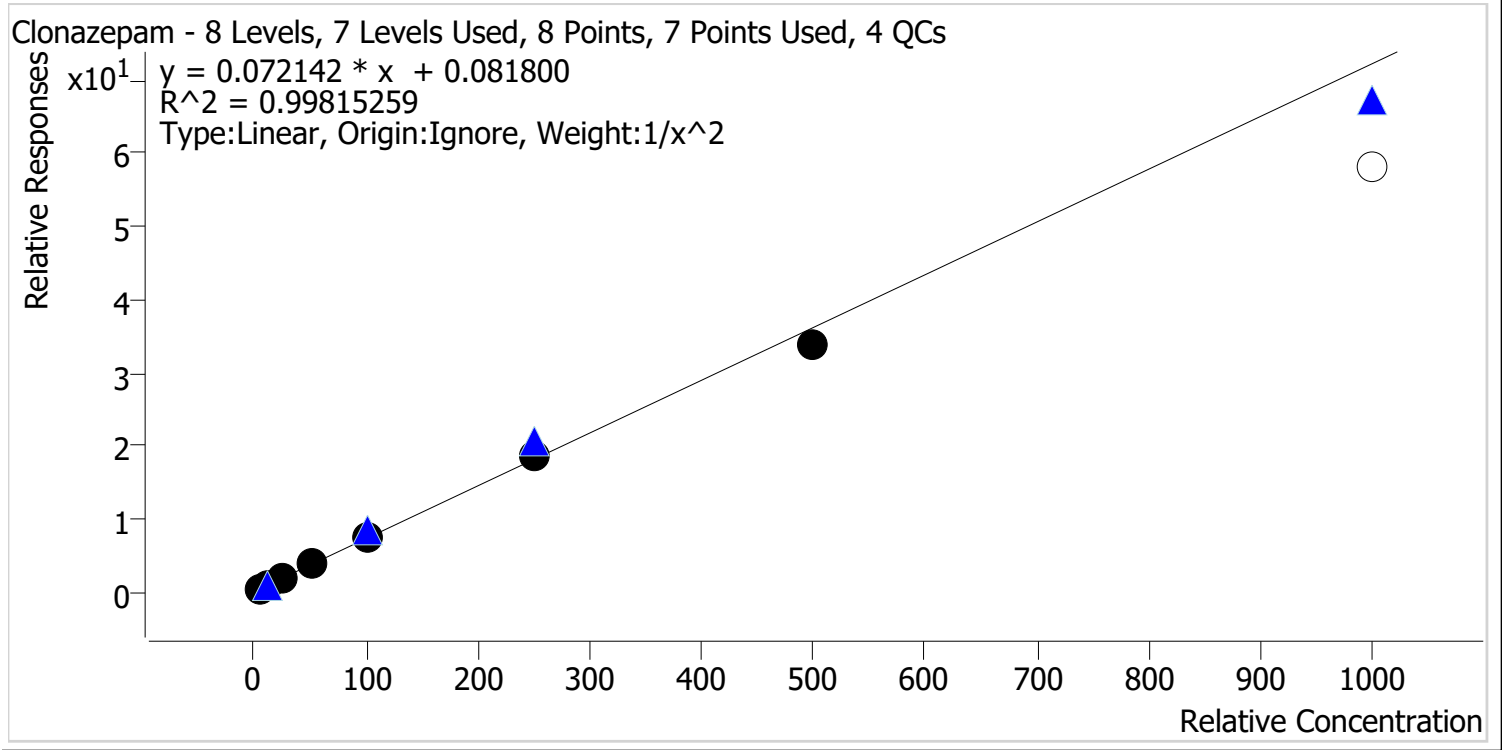
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	531.9	106.4
p1 Cal 8-1000ng	8	✓	1000.0	1030.9	103.1

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
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	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	254.4	101.7
p1 Cal 7-500ng	7	✓	500.0	465.2	93.0
p1 Cal 8-1000ng	8	✗	1000.0	805.9	80.6

*Cal 8 dropped due to accuracy of QC

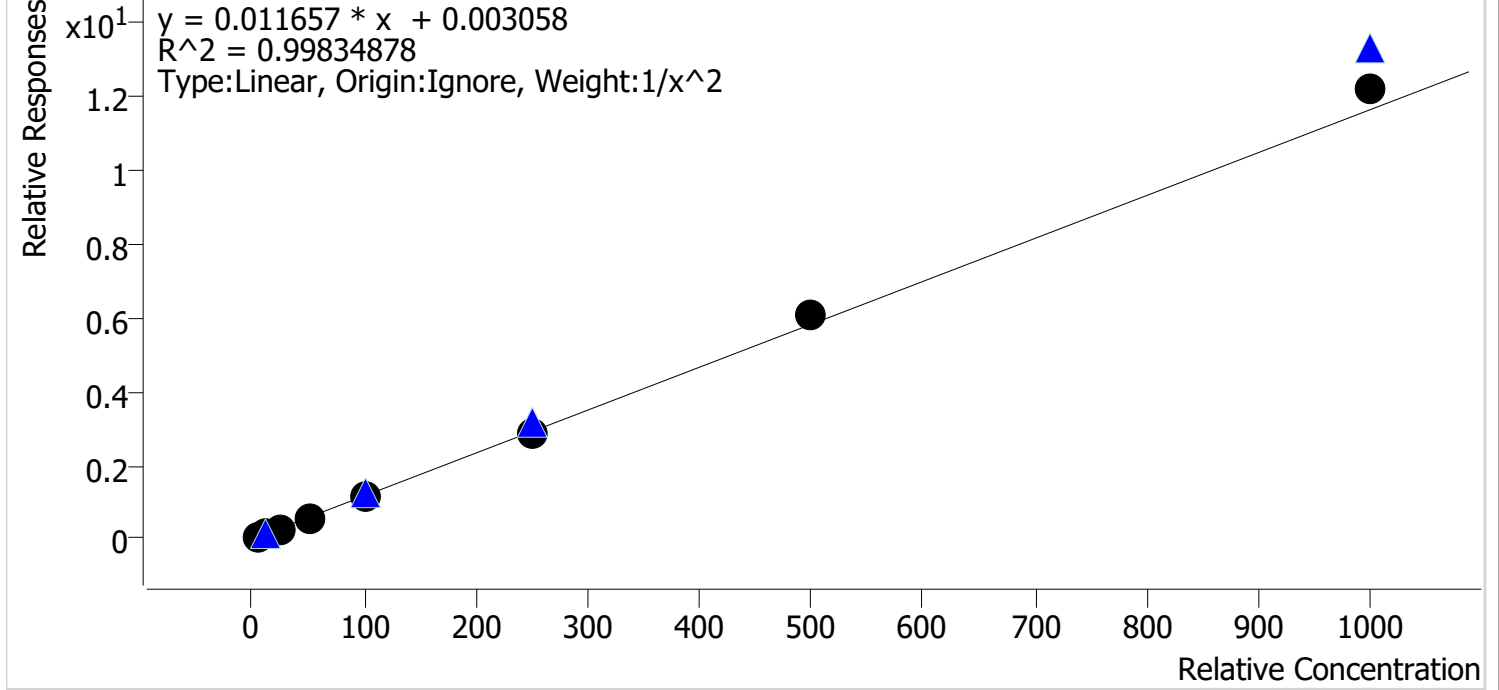
AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Cocaine **Internal Standard** Cocaine-d3

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



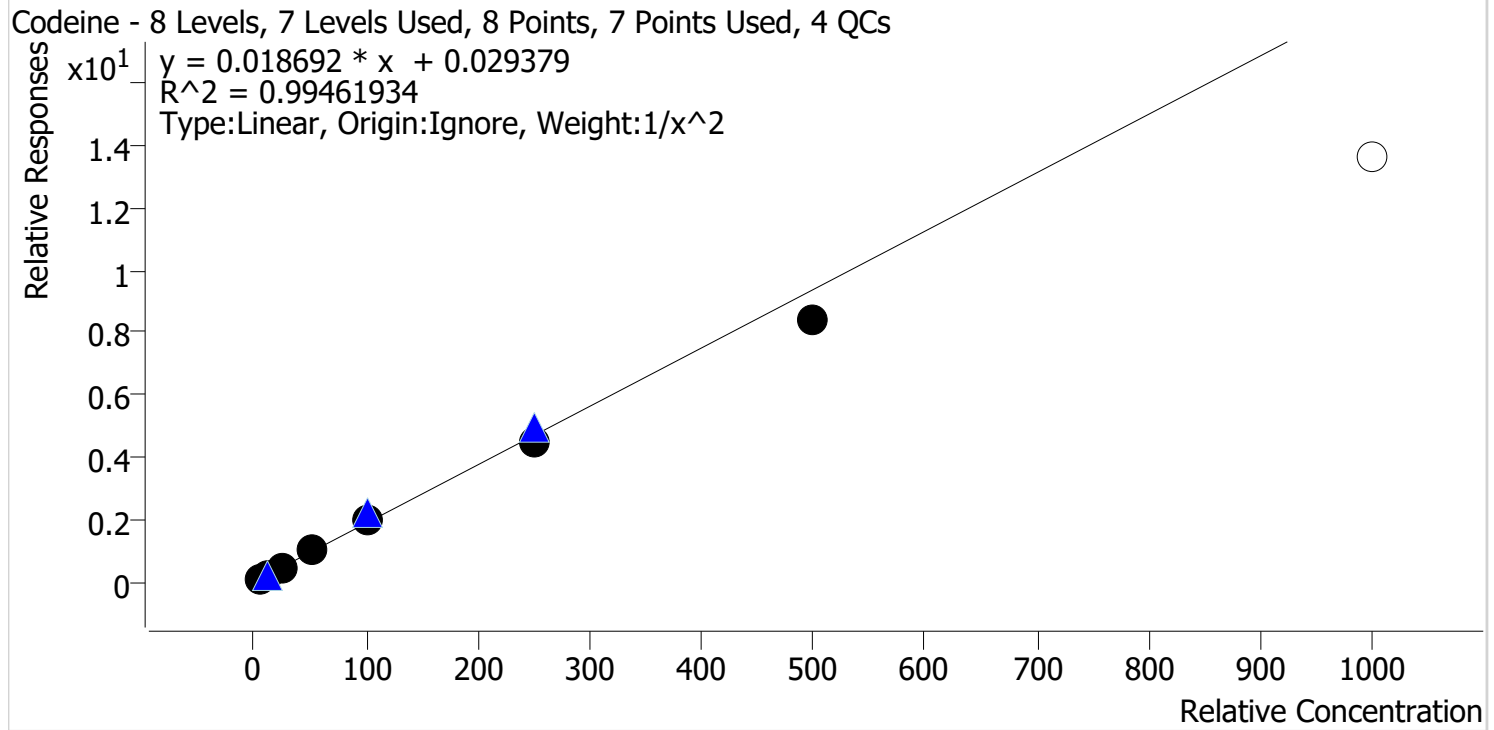
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	48.0	96.1
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	523.9	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1050.4	105.0

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
 Last Cal. Update 8/26/2021 1:09 PM
 Analyst Name ISP\lagerheart
 Analyte Codeine Internal Standard Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	238.8	95.5
p1 Cal 7-500ng	7	✓	500.0	447.3	89.5
p1 Cal 8-1000ng	8	✗	1000.0	729.6	73.0

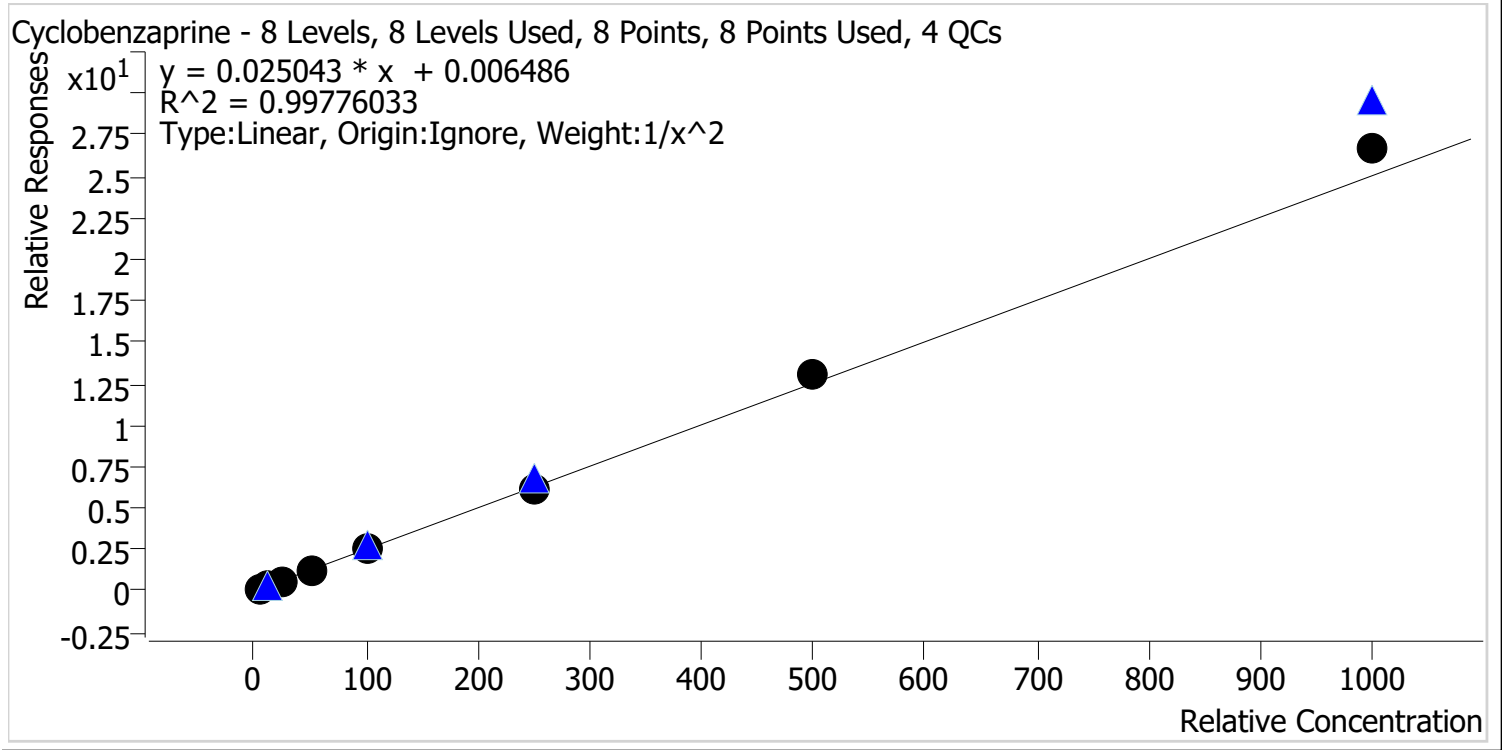
*Cal 8 dropped due to accuracy

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



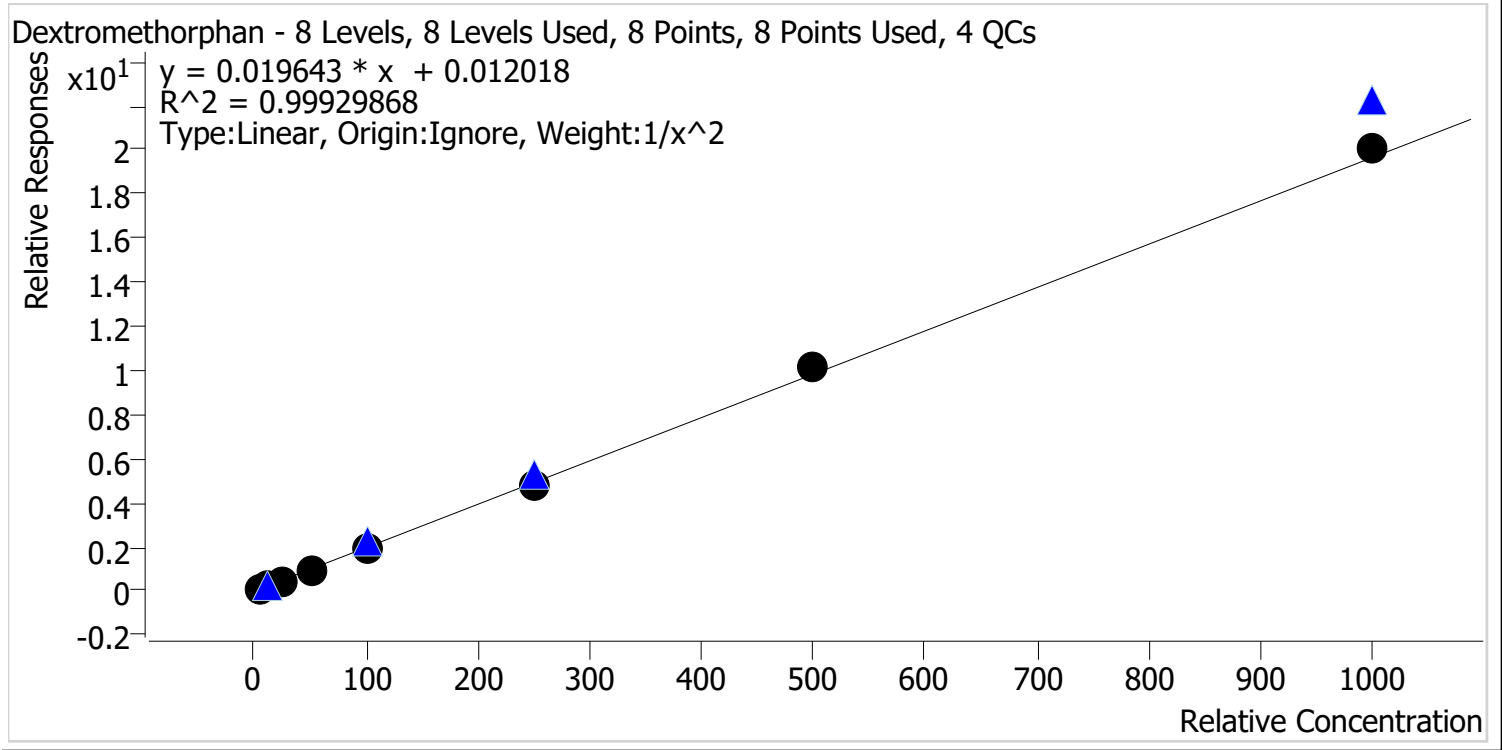
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.2
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	246.1	98.5
p1 Cal 7-500ng	7	✓	500.0	517.7	103.5
p1 Cal 8-1000ng	8	✓	1000.0	1068.2	106.8

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3



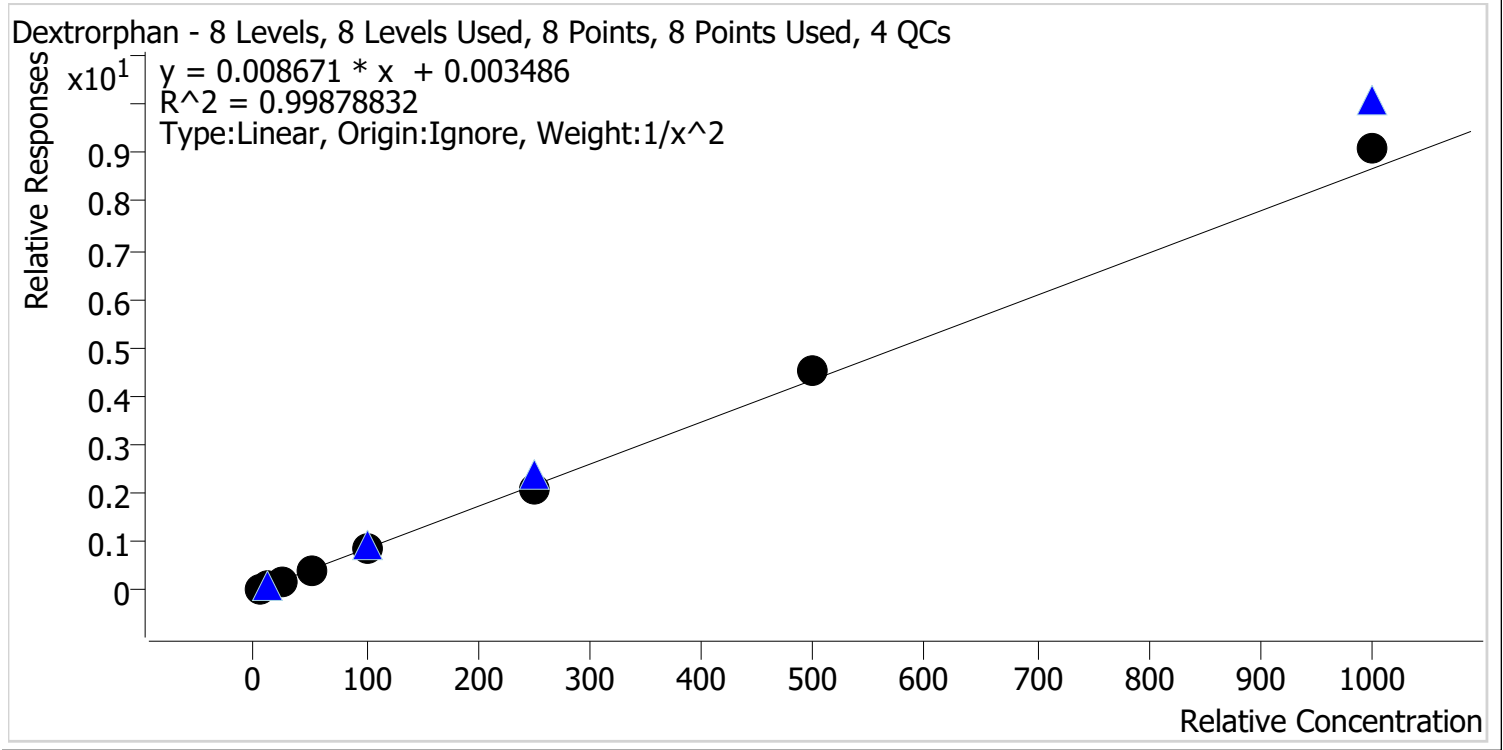
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.4
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	519.4	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1026.0	102.6

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Dextrophan Internal Standard Dextrophan-D3



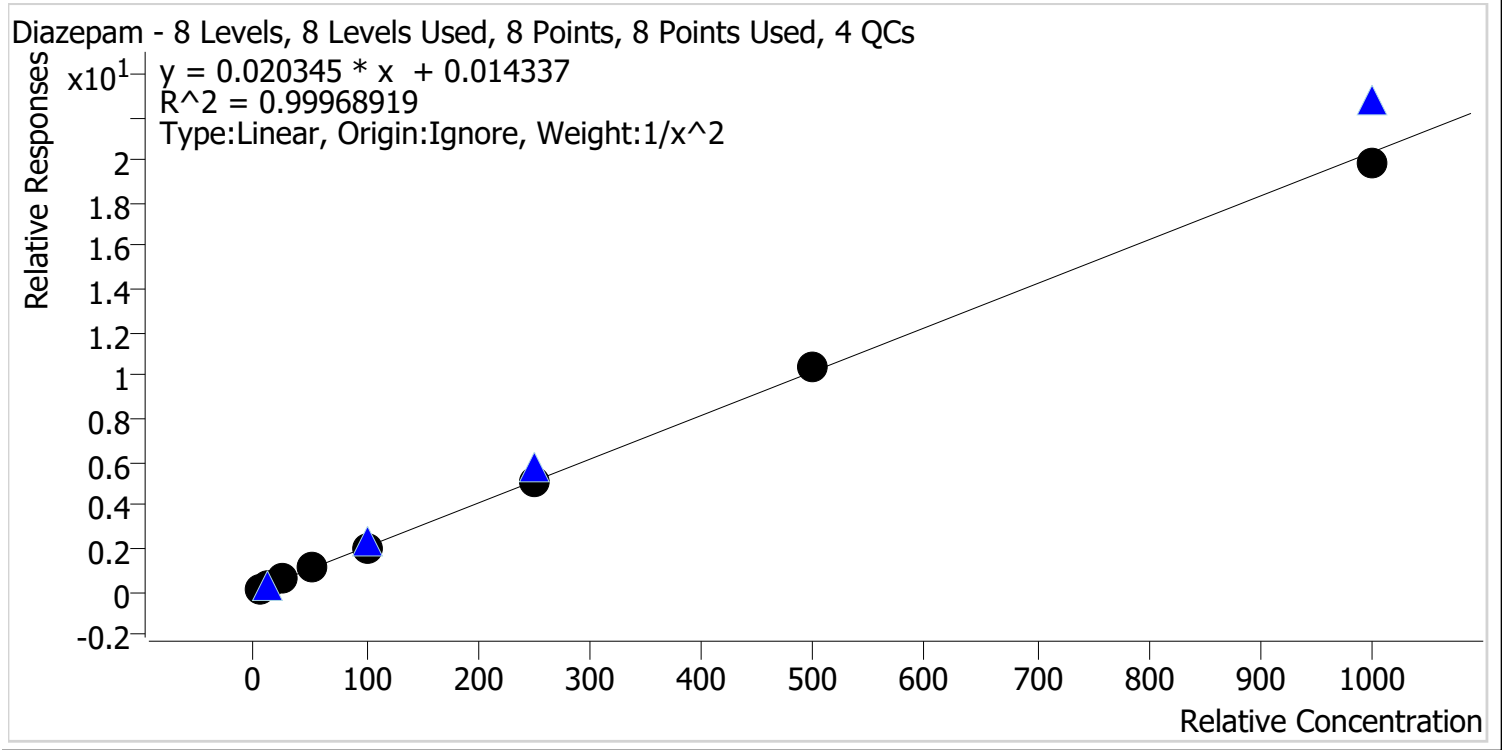
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	518.4	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1049.1	104.9

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Diazepam **Internal Standard** Diazepam-D5



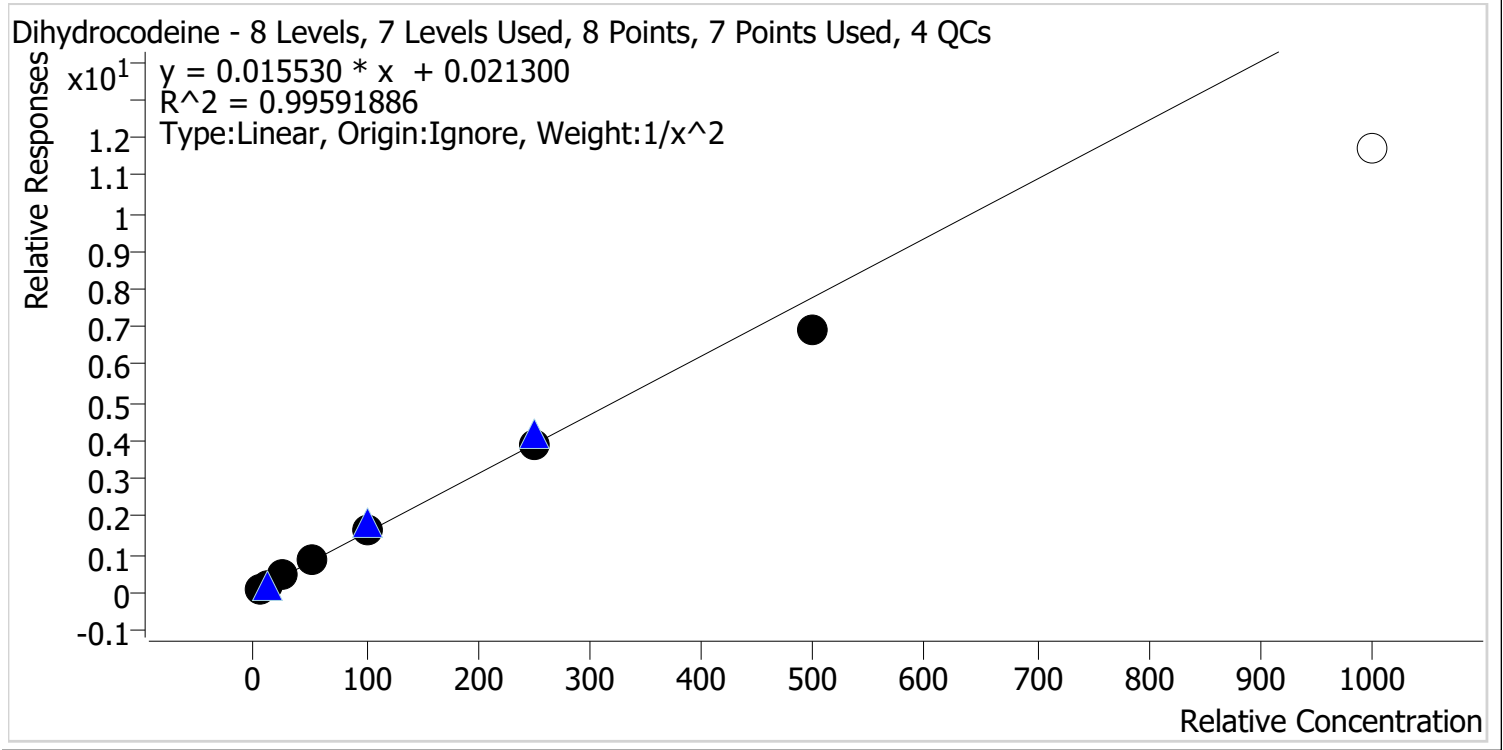
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	509.9	102.0
p1 Cal 8-1000ng	8	✓	1000.0	971.6	97.2

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



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	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.4
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	447.2	89.4
p1 Cal 8-1000ng	8	✗	1000.0	751.8	75.2

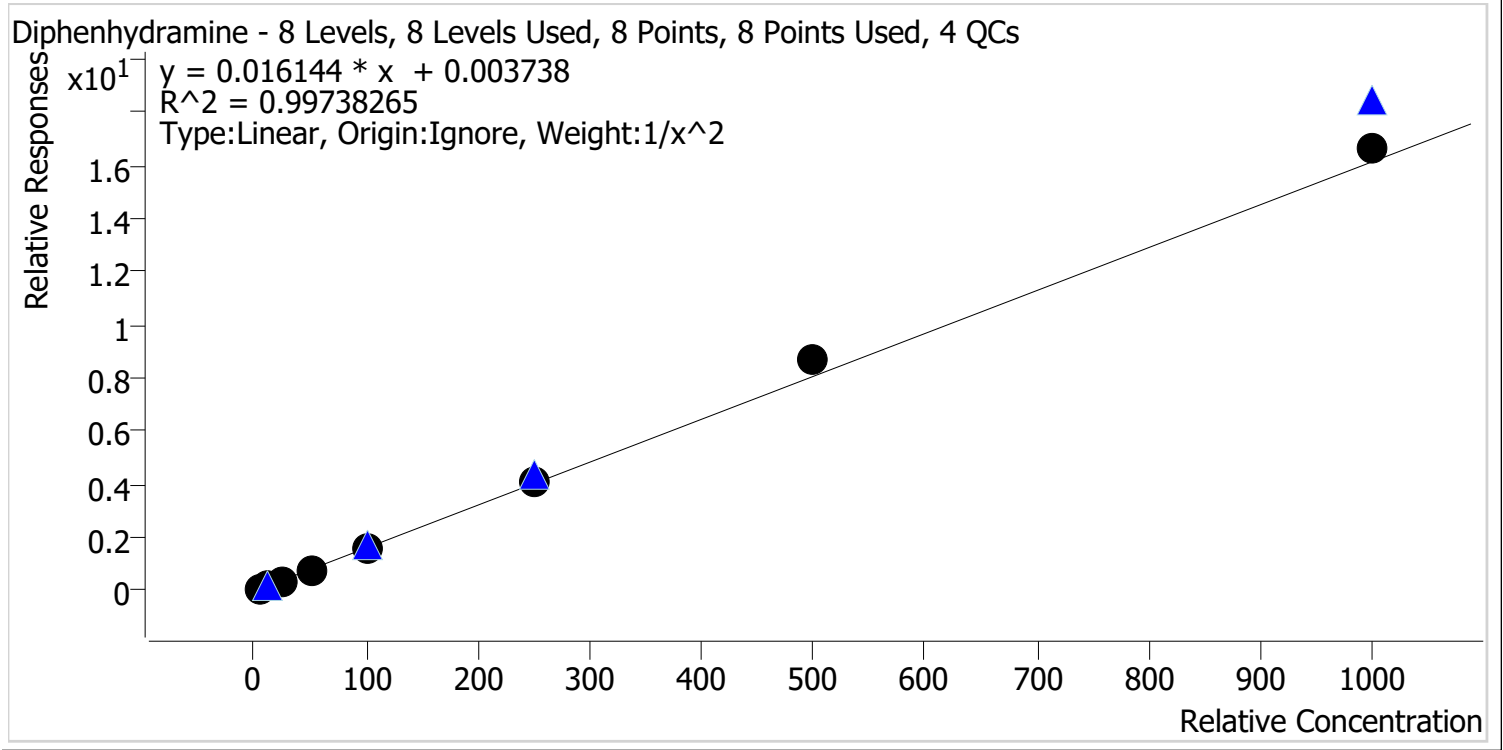
*Cal 8 dropped due to accuracy

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3



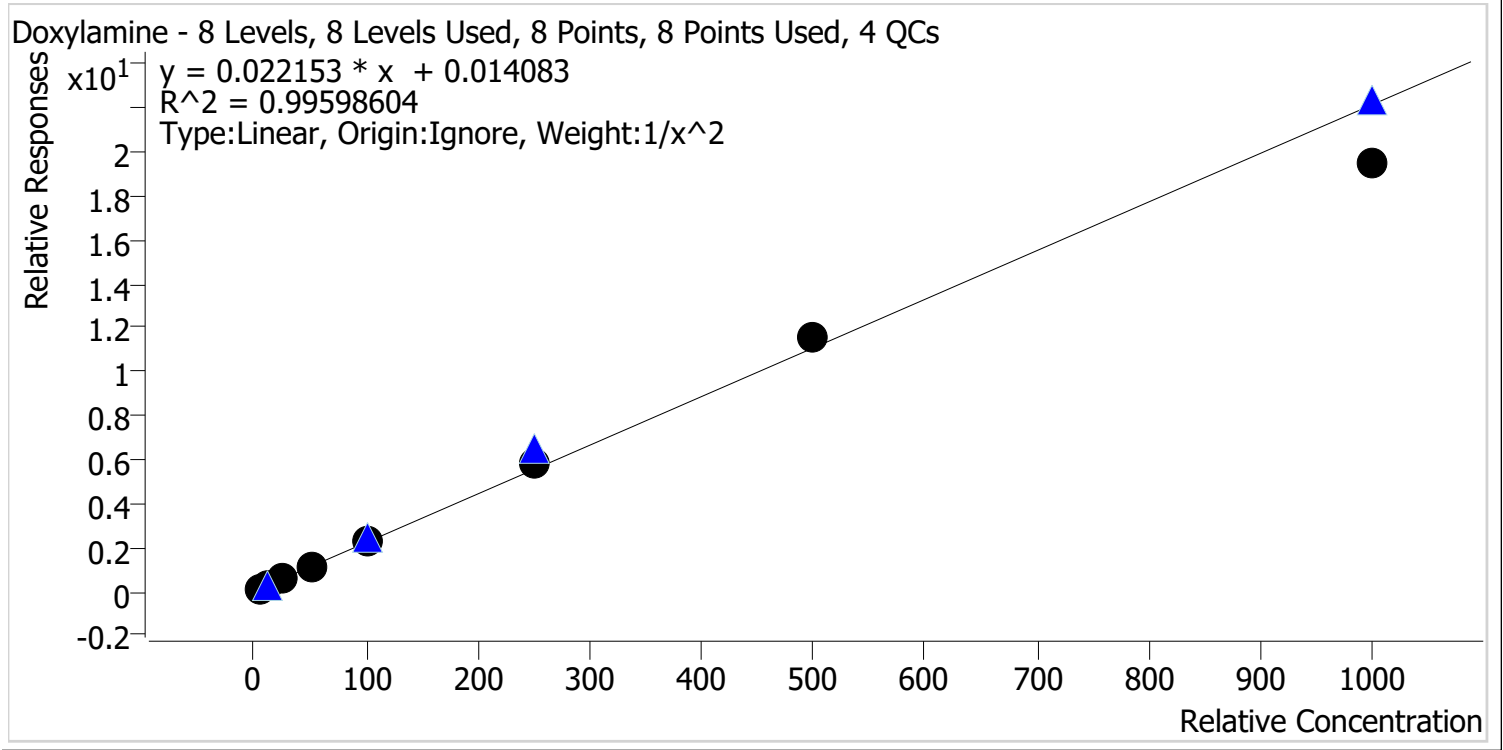
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	48.5	96.9
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	539.2	107.8
p1 Cal 8-1000ng	8	✓	1000.0	1029.2	102.9

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Doxylamine **Internal Standard** Doxylamine-D5



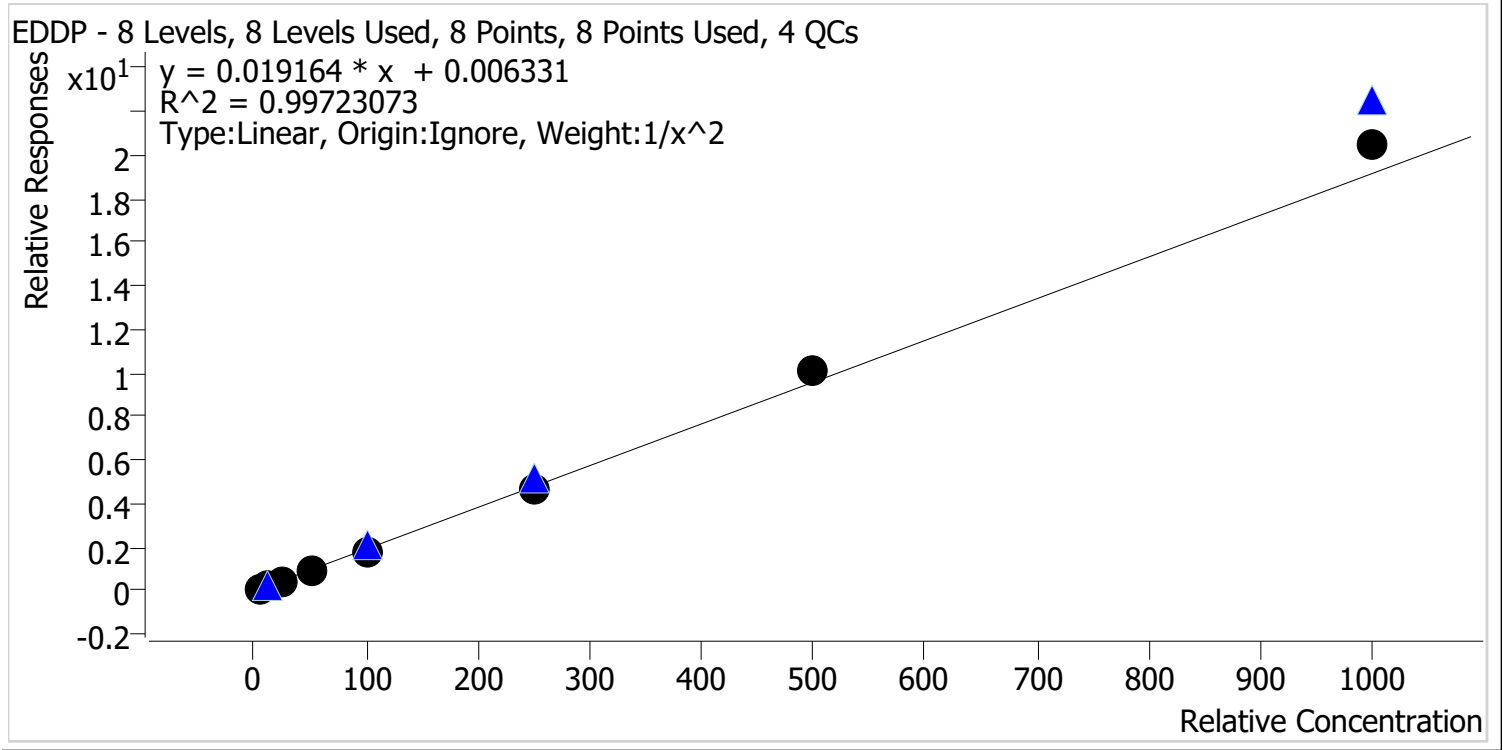
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	263.9	105.6
p1 Cal 7-500ng	7	✓	500.0	524.8	105.0
p1 Cal 8-1000ng	8	✓	1000.0	881.3	88.1

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte EDDP **Internal Standard** EDDP-D3



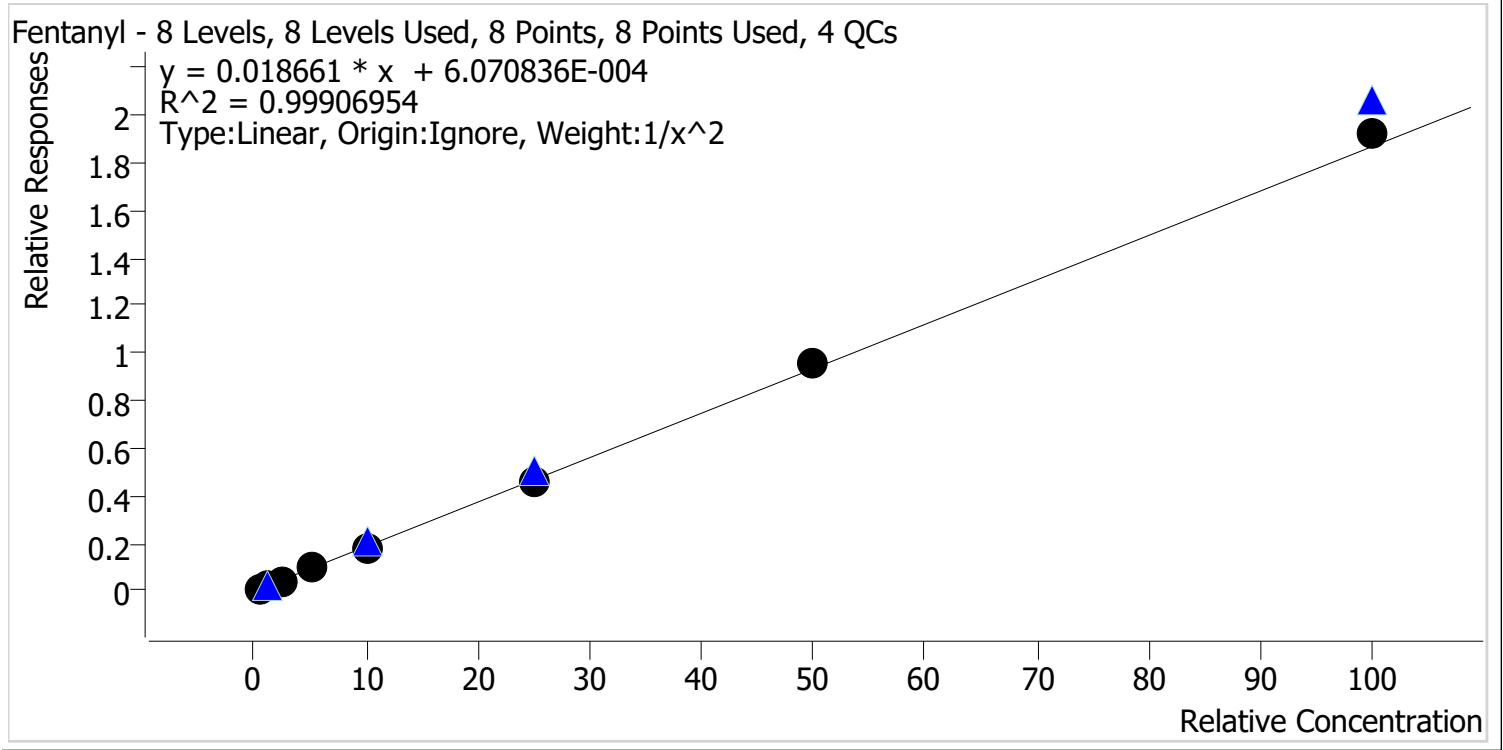
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.4
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	526.1	105.2
p1 Cal 8-1000ng	8	✓	1000.0	1071.3	107.1

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Fentanyl **Internal Standard** Fentanyl-D5



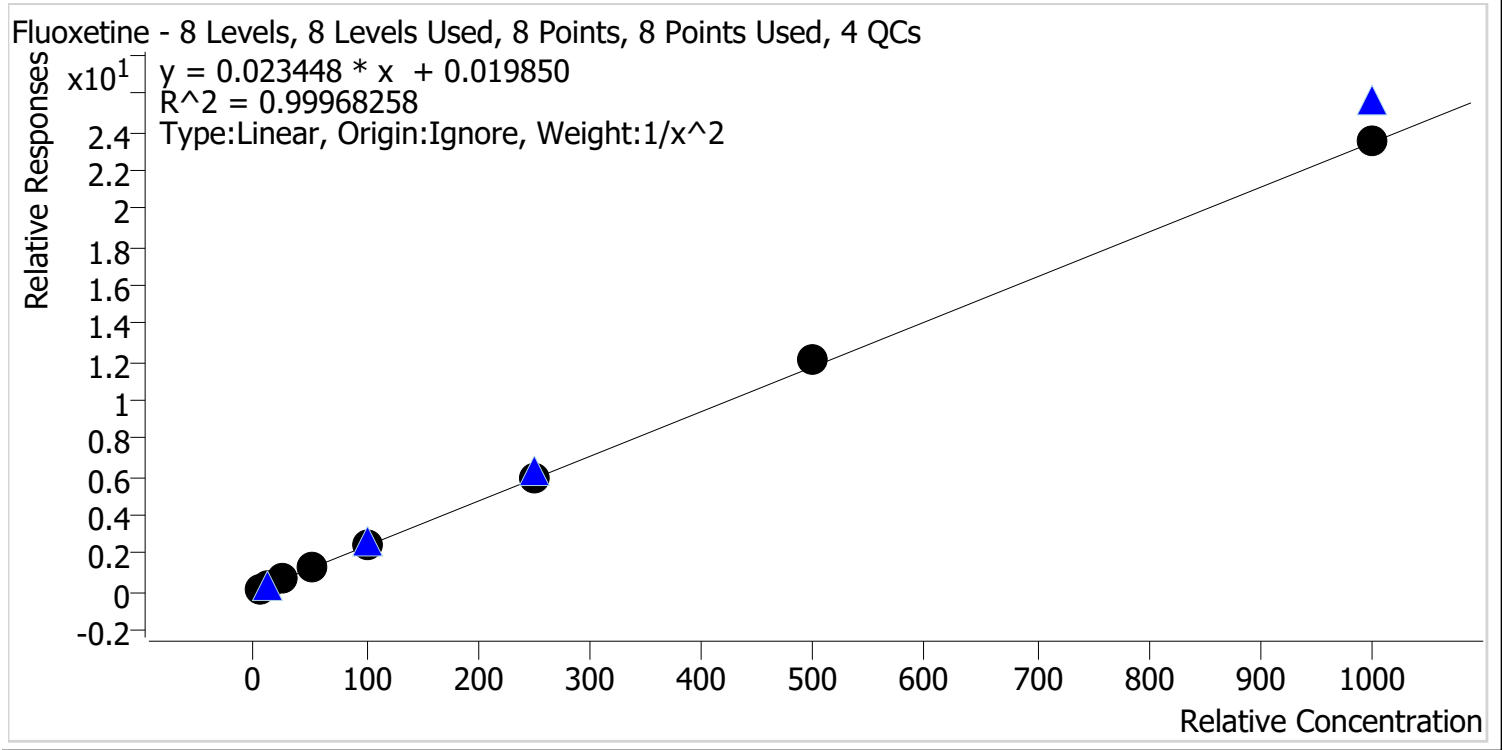
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.8
p1 Cal 2-10ng	2	✓	1.0	1.0	102.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.9
p1 Cal 4-50ng	4	✓	5.0	5.0	99.0
p1 Cal 5-100ng	5	✓	10.0	9.9	99.3
p1 Cal 6-250ng	6	✓	25.0	24.8	99.3
p1 Cal 7-500ng	7	✓	50.0	50.9	101.8
p1 Cal 8-1000ng	8	✓	100.0	103.2	103.2

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
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	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	513.3	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1000.4	100.0

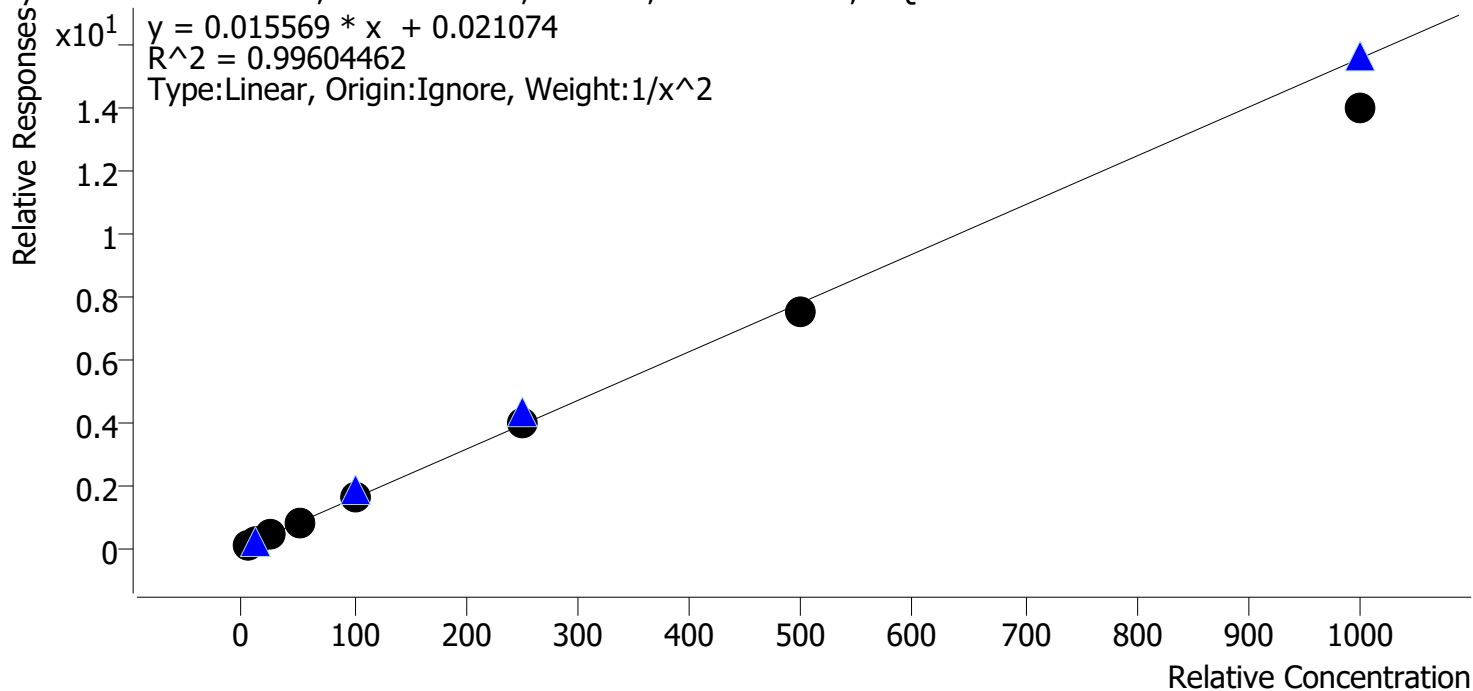
AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



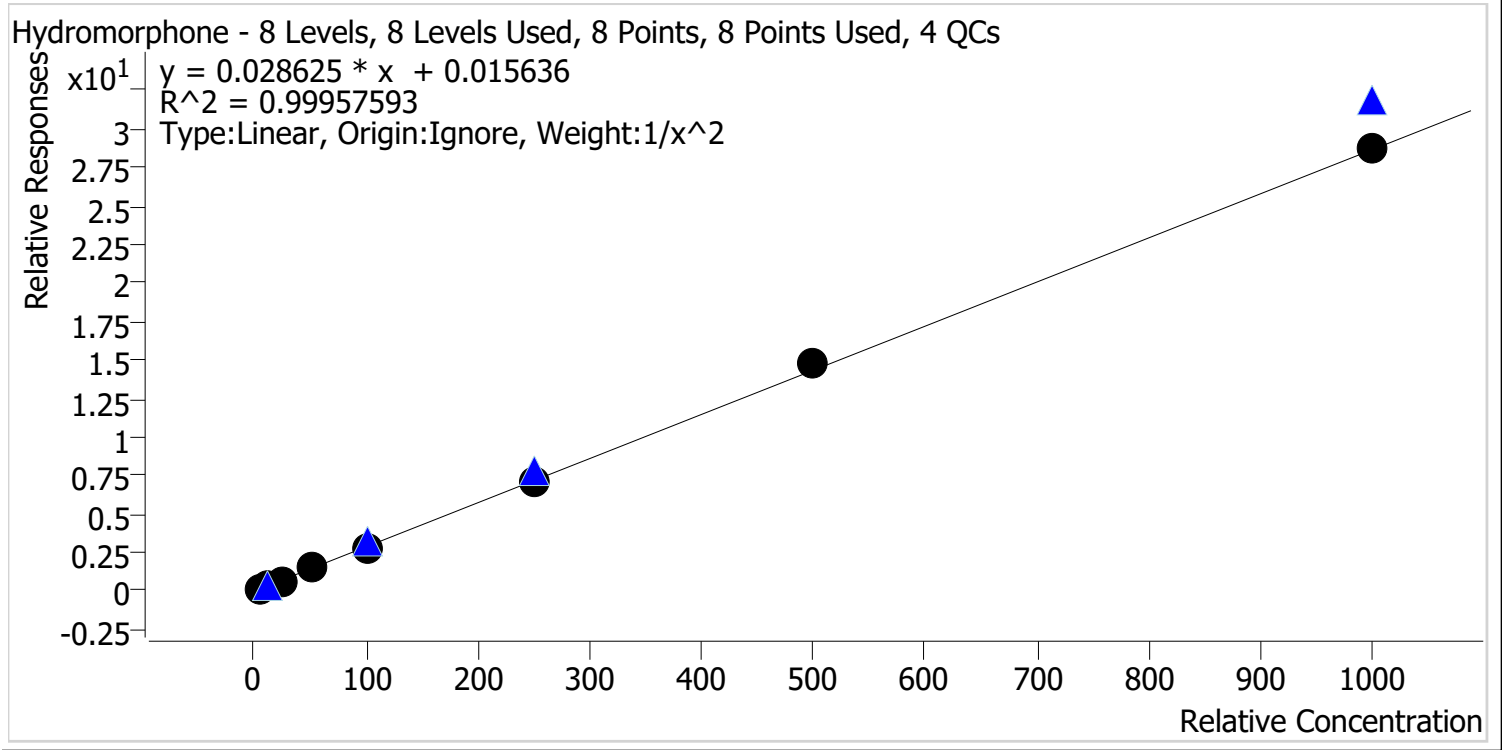
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	479.2	95.8
p1 Cal 8-1000ng	8	✓	1000.0	896.7	89.7

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6



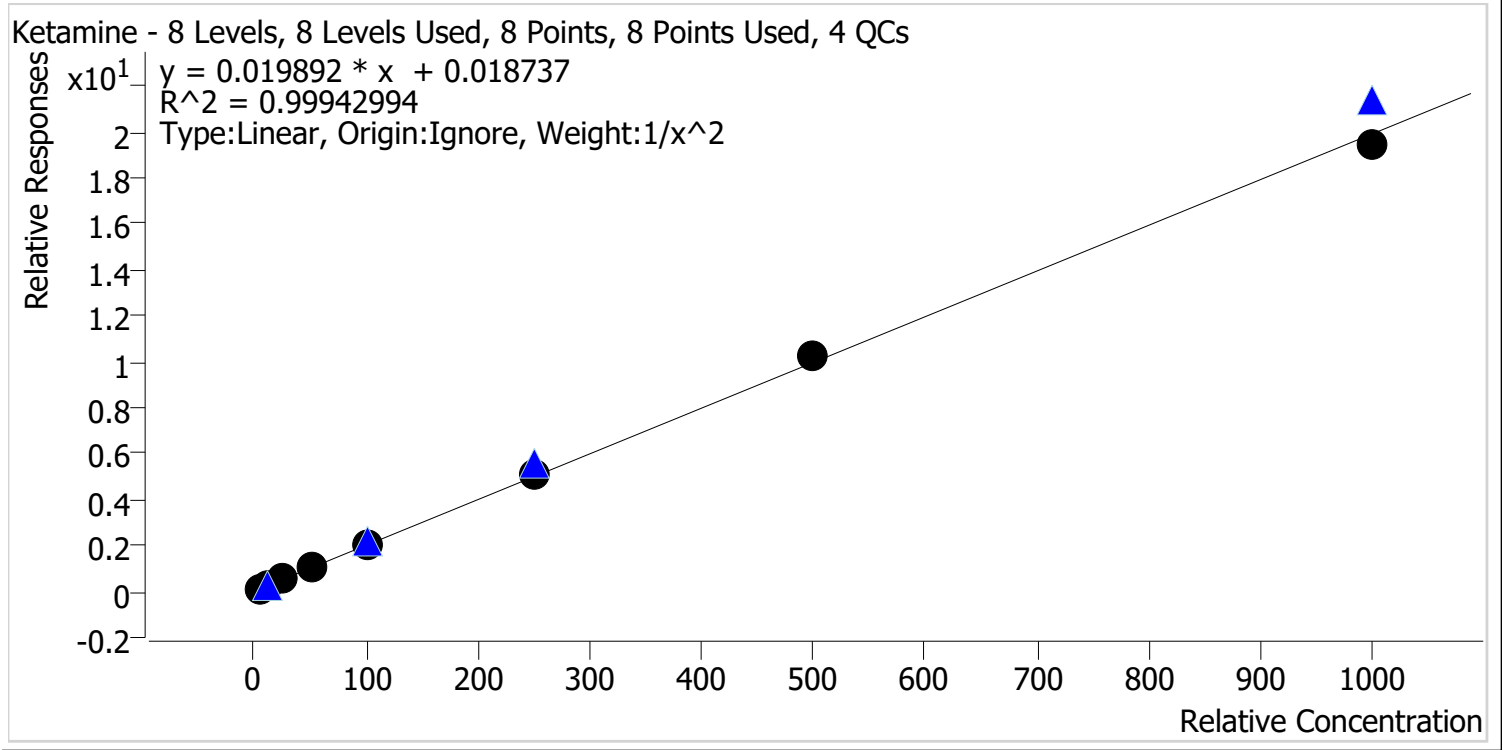
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	516.7	103.3
p1 Cal 8-1000ng	8	✓	1000.0	999.7	100.0

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Ketamine **Internal Standard** Ketamine-D4



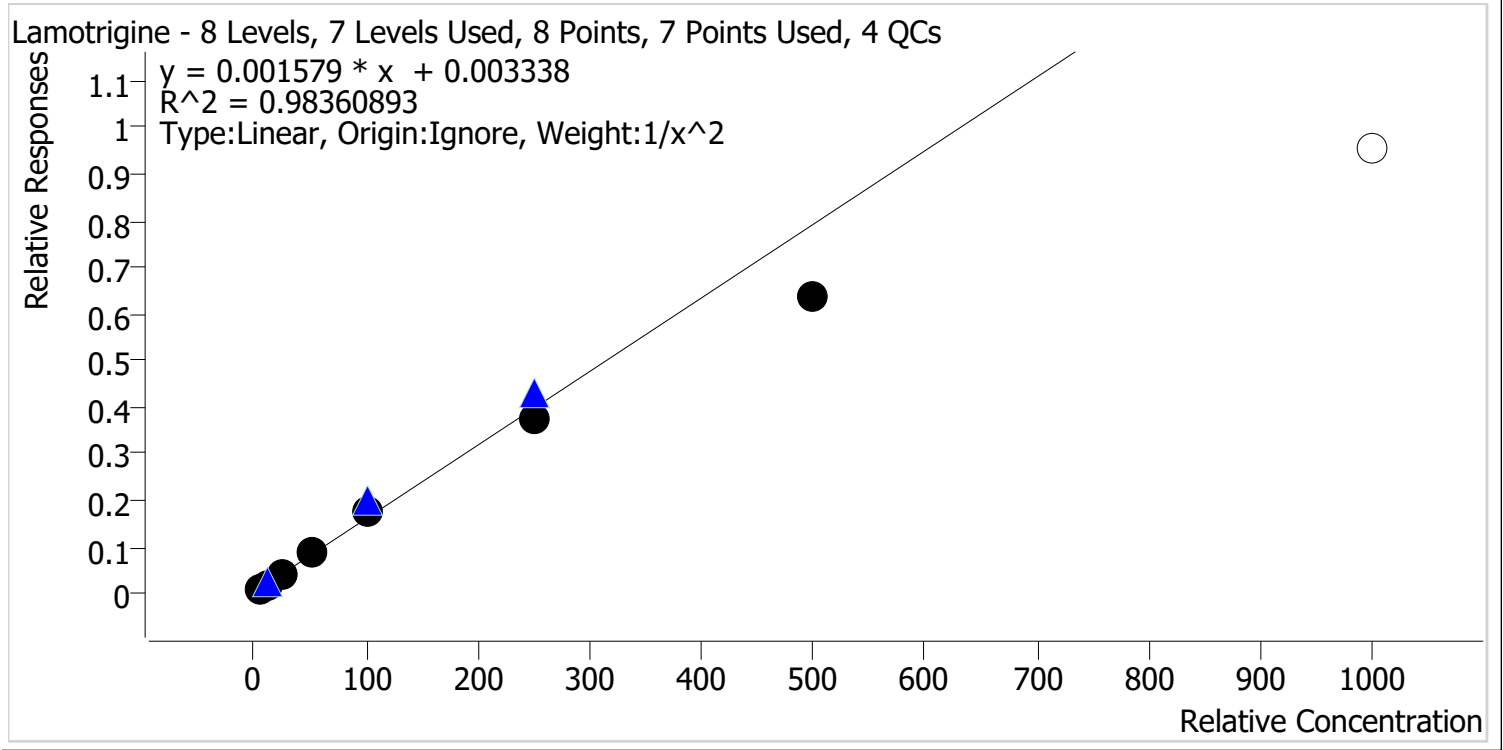
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	513.9	102.8
p1 Cal 8-1000ng	8	✓	1000.0	975.3	97.5

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
 Last Cal. Update 8/26/2021 1:09 PM
 Analyst Name ISP\agerheart
 Analyte Lamotrigine Internal Standard Ketamine-D4



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	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	56.2	112.4
p1 Cal 5-100ng	5	✓	100.0	108.7	108.7
p1 Cal 6-250ng	6	✓	250.0	235.9	94.4
p1 Cal 7-500ng	7	✓	500.0	400.1	80.0
p1 Cal 8-1000ng	8	✗	1000.0	601.4	60.1

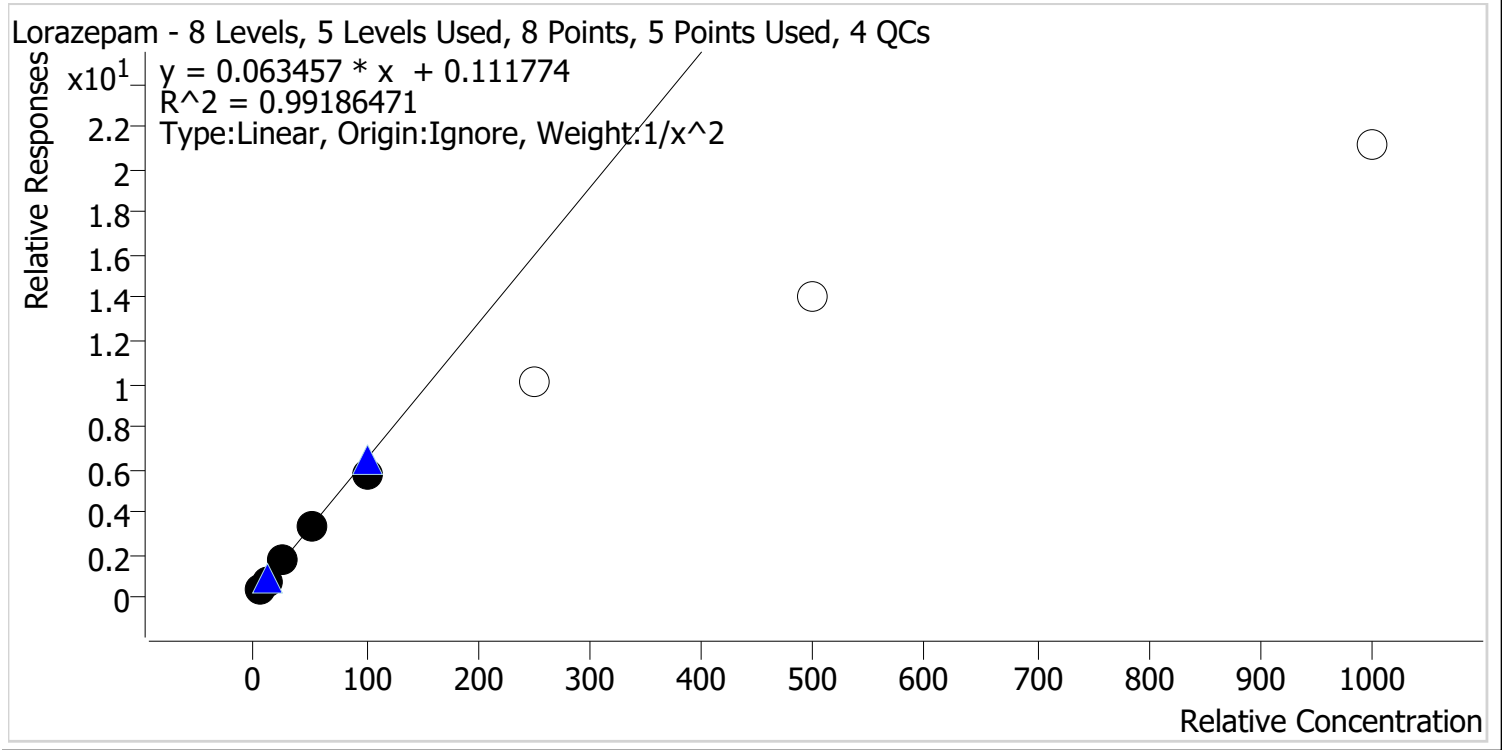
*Cal 8 dropped due to accuracy

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
 Last Cal. Update 8/26/2021 1:09 PM
 Analyst Name ISP\lagerheart
 Analyte Lorazepam Internal Standard Clonazepam-D4



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	10.7	106.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	90.0	90.0
* p1 Cal 6-250ng	6	✗	250.0	157.5	63.0
* p1 Cal 7-500ng	7	✗	500.0	219.9	44.0
* p1 Cal 8-1000ng	8	✗	1000.0	333.2	33.3

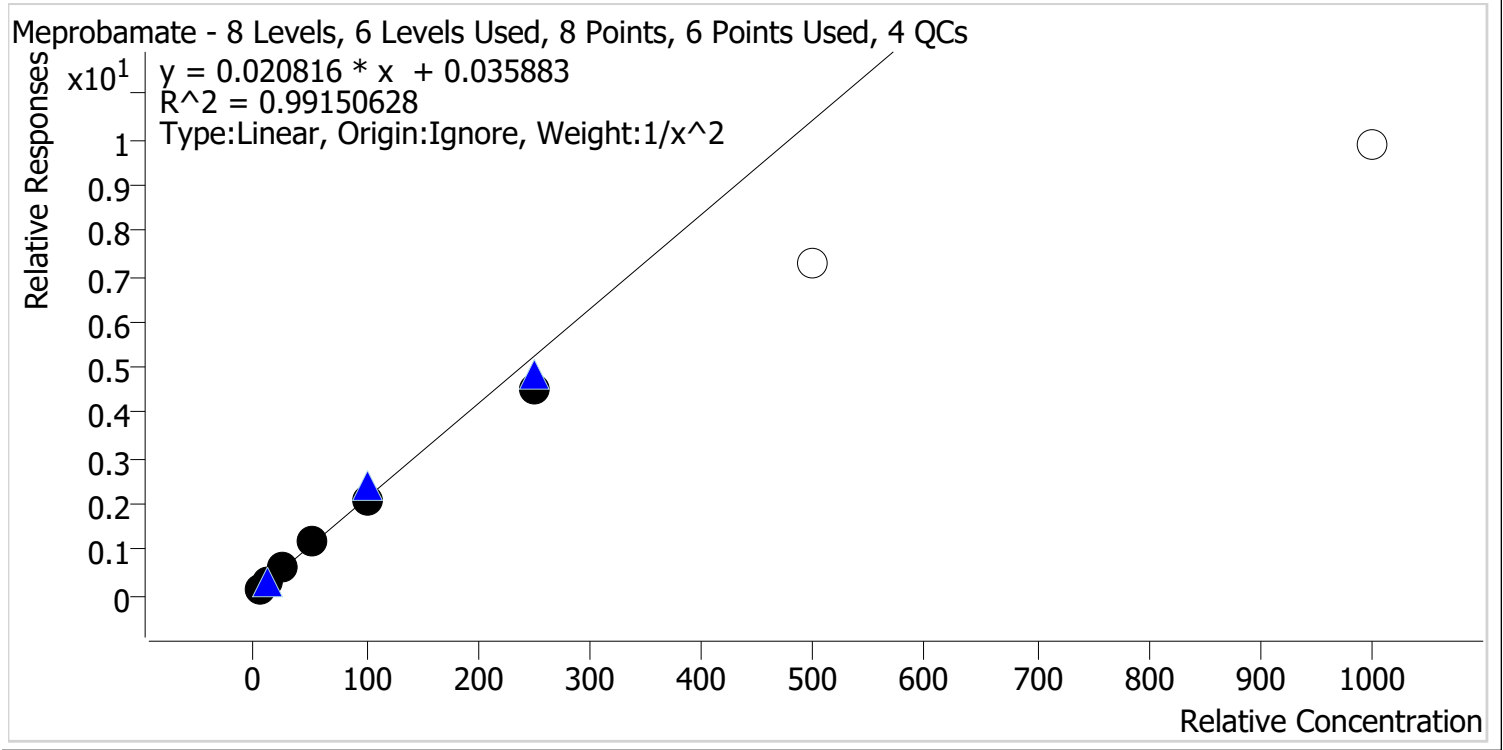
*Cal 6, 7, and 8 dropped due to accuracy

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.5	104.9
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.4
p1 Cal 4-50ng	4	✓	50.0	53.3	106.7
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	217.3	86.9
p1 Cal 7-500ng	7	✗	500.0	346.7	69.3
p1 Cal 8-1000ng	8	✗	1000.0	473.1	47.3

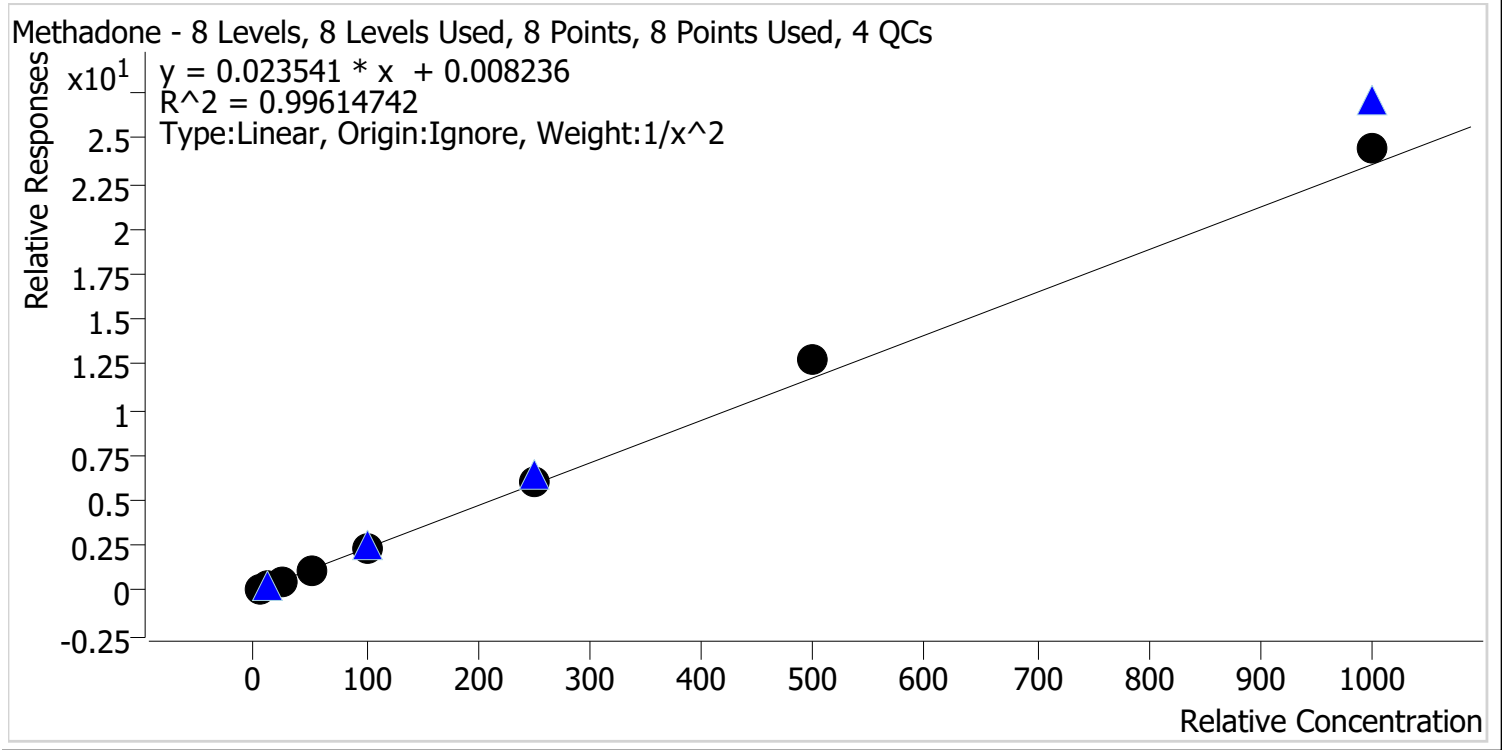
*Cal 7 and 8 dropped due to accuracy

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Methadone **Internal Standard** Methadone-D9



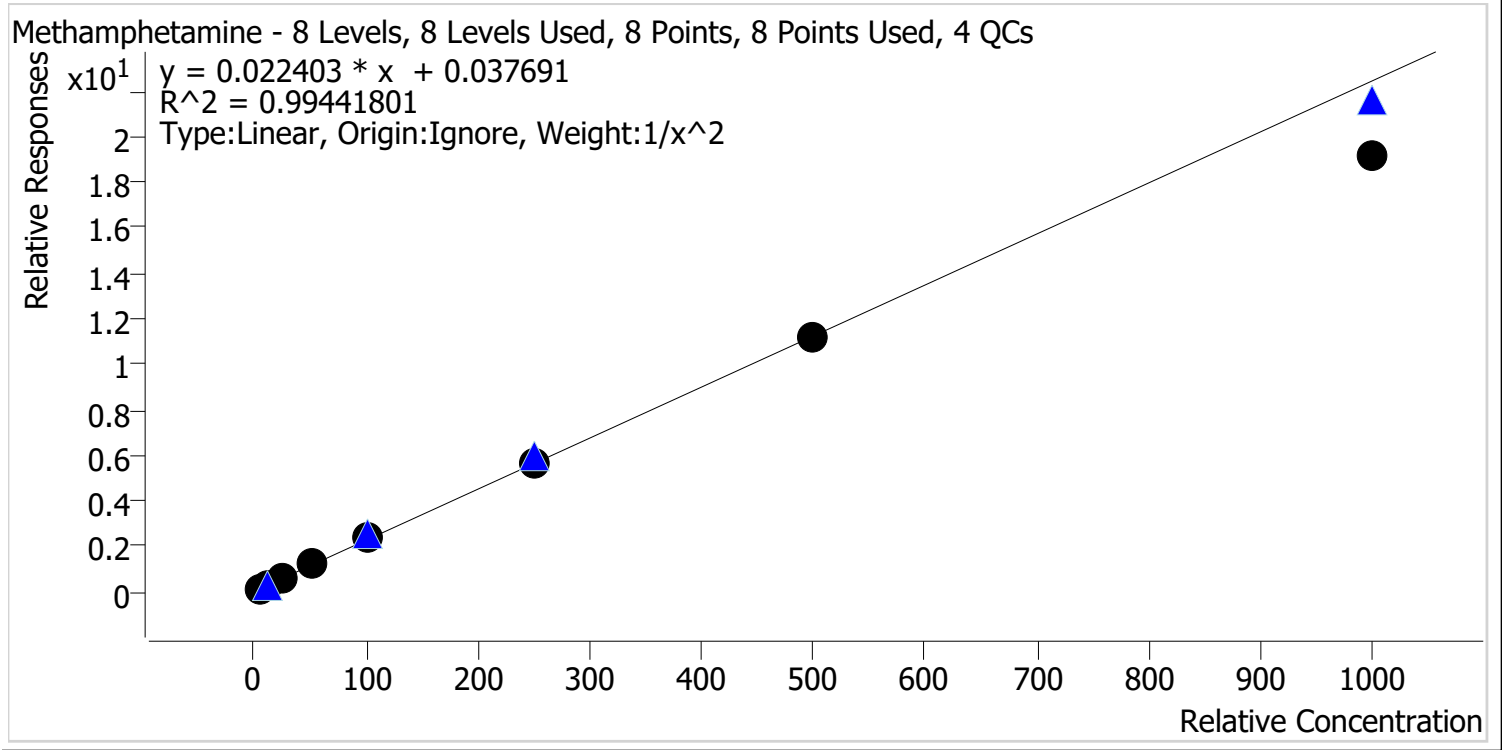
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	23.2	93.0
p1 Cal 4-50ng	4	✓	50.0	46.9	93.8
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	542.6	108.5
p1 Cal 8-1000ng	8	✓	1000.0	1039.7	104.0

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



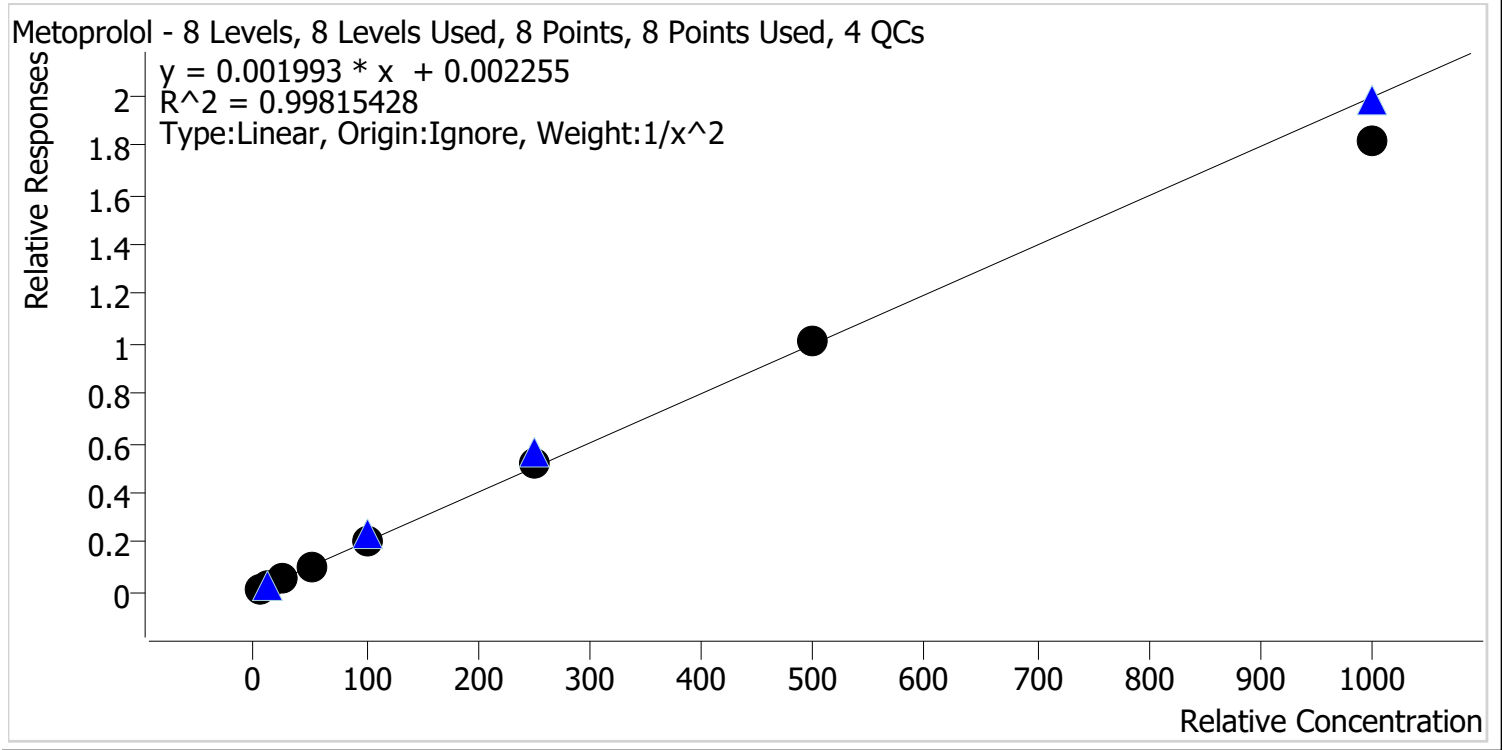
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	499.0	99.8
p1 Cal 8-1000ng	8	✓	1000.0	856.3	85.6

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



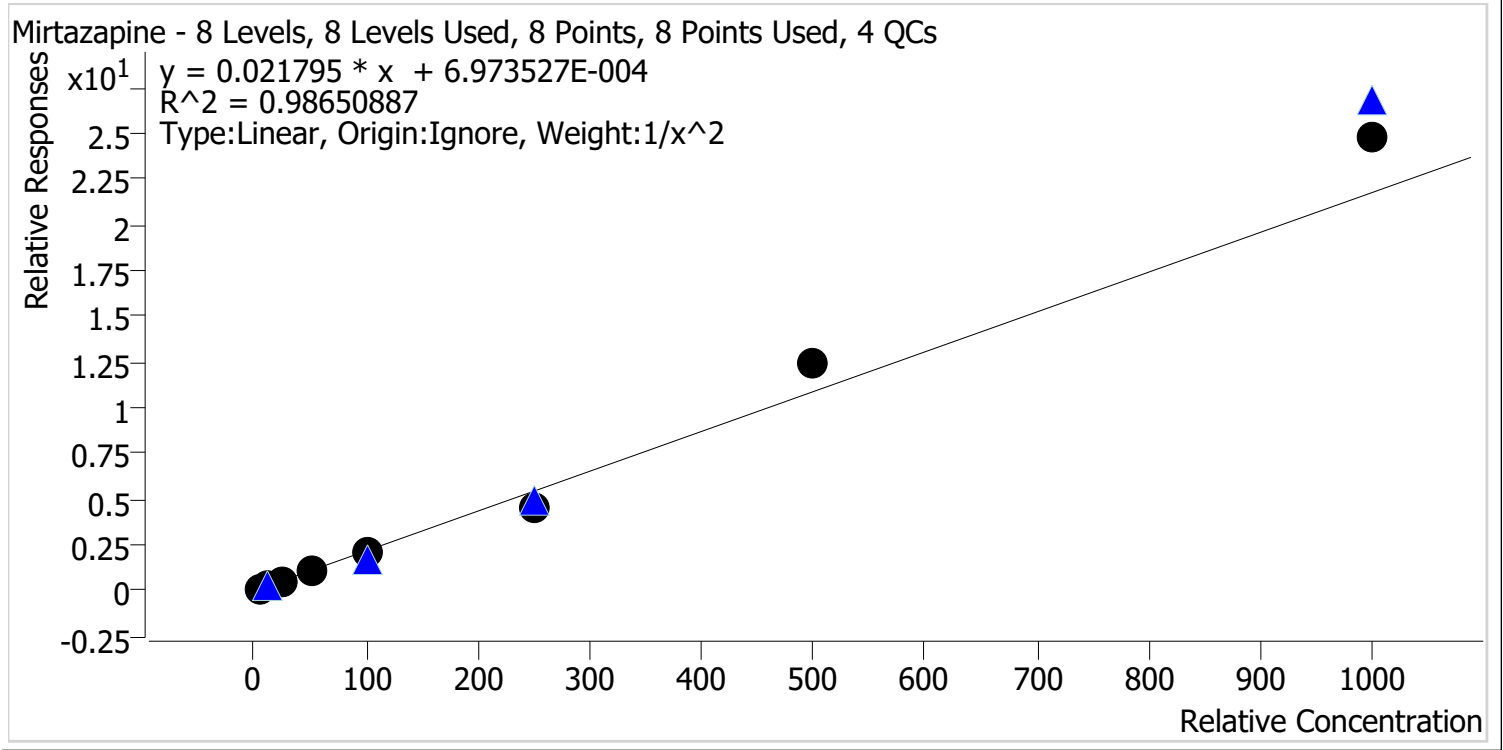
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	259.1	103.6
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	913.5	91.4

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



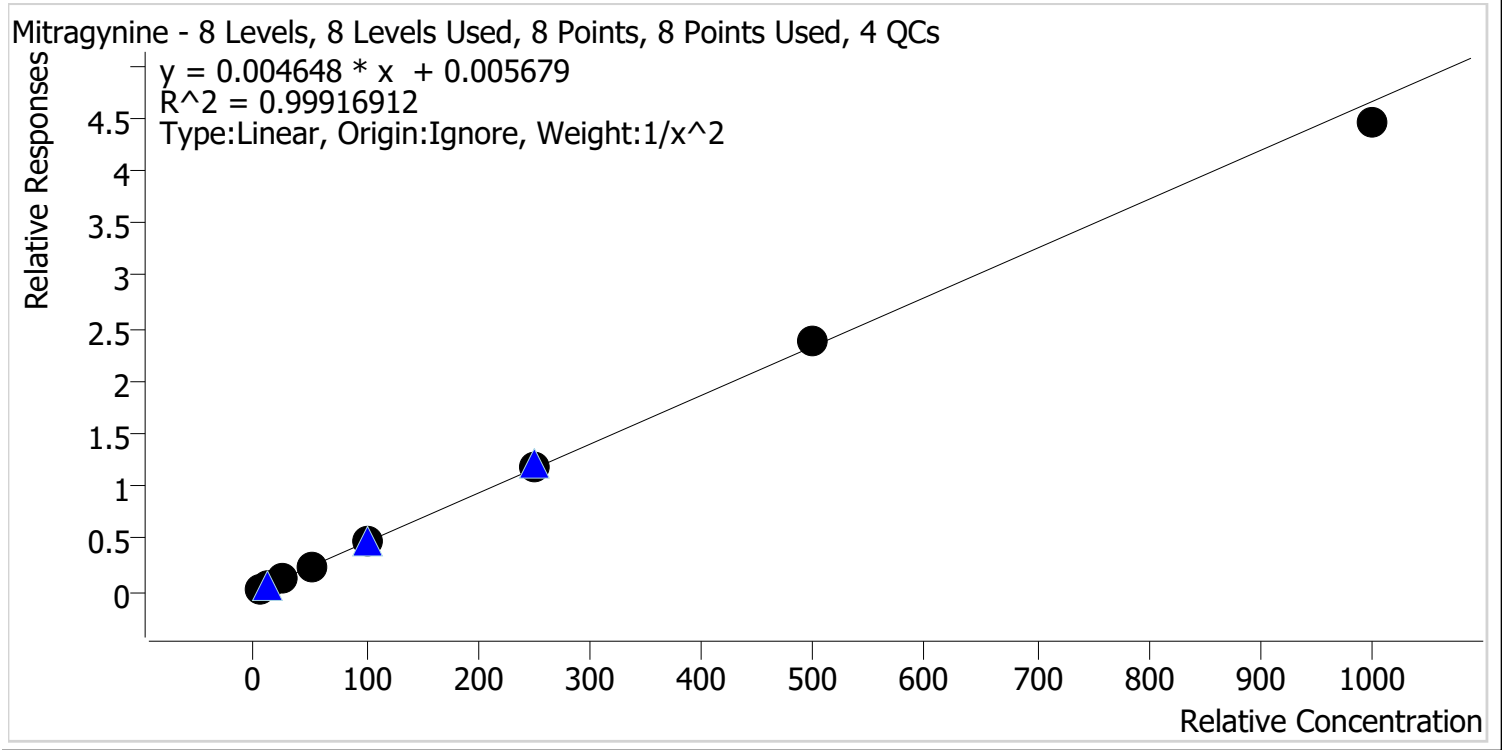
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	94.0	94.0
p1 Cal 6-250ng	6	✓	250.0	210.1	84.0
p1 Cal 7-500ng	7	✓	500.0	567.2	113.4
p1 Cal 8-1000ng	8	✓	1000.0	1143.1	114.3

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Mitragynine **Internal Standard** Methadone-D9



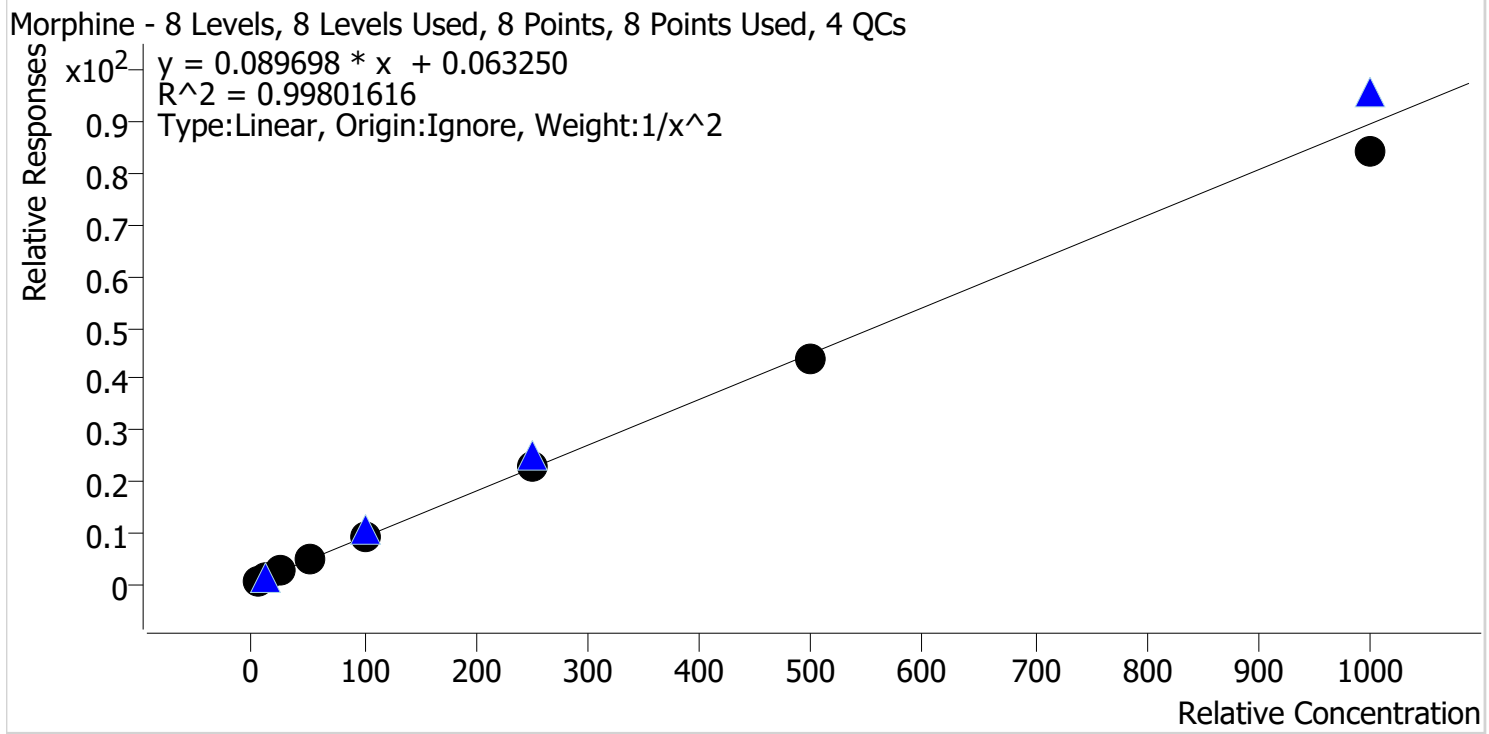
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.6
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	510.5	102.1
p1 Cal 8-1000ng	8	✓	1000.0	954.0	95.4

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Morphine **Internal Standard** Morphine-D6



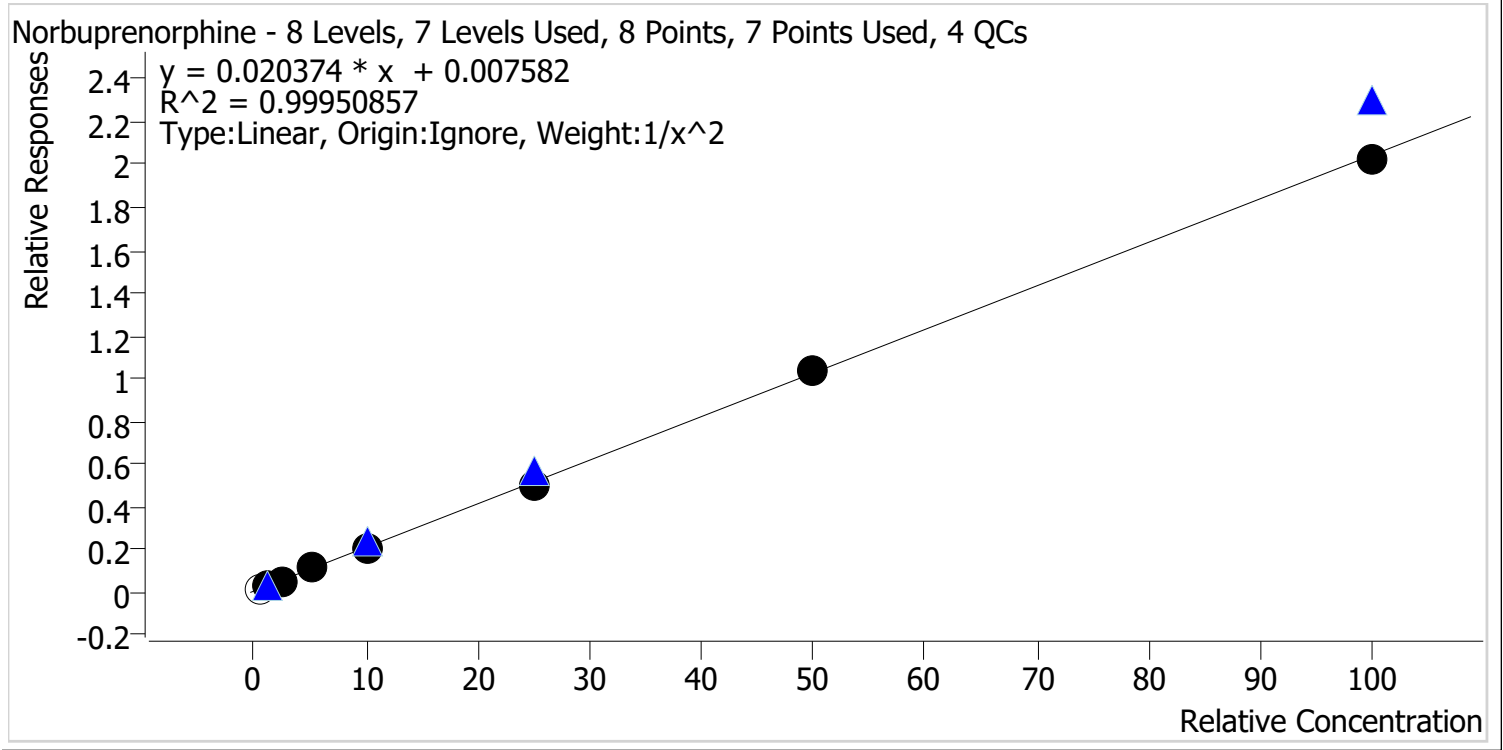
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	485.3	97.1
p1 Cal 8-1000ng	8	✓	1000.0	936.5	93.7

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.5	97.9
p1 Cal 2-10ng	2	✓	1.0	1.0	99.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.8
p1 Cal 4-50ng	4	✓	5.0	5.1	102.7
p1 Cal 5-100ng	5	✓	10.0	10.1	101.1
p1 Cal 6-250ng	6	✓	25.0	24.3	97.1
p1 Cal 7-500ng	7	✓	50.0	50.7	101.4
p1 Cal 8-1000ng	8	✓	100.0	98.9	98.9

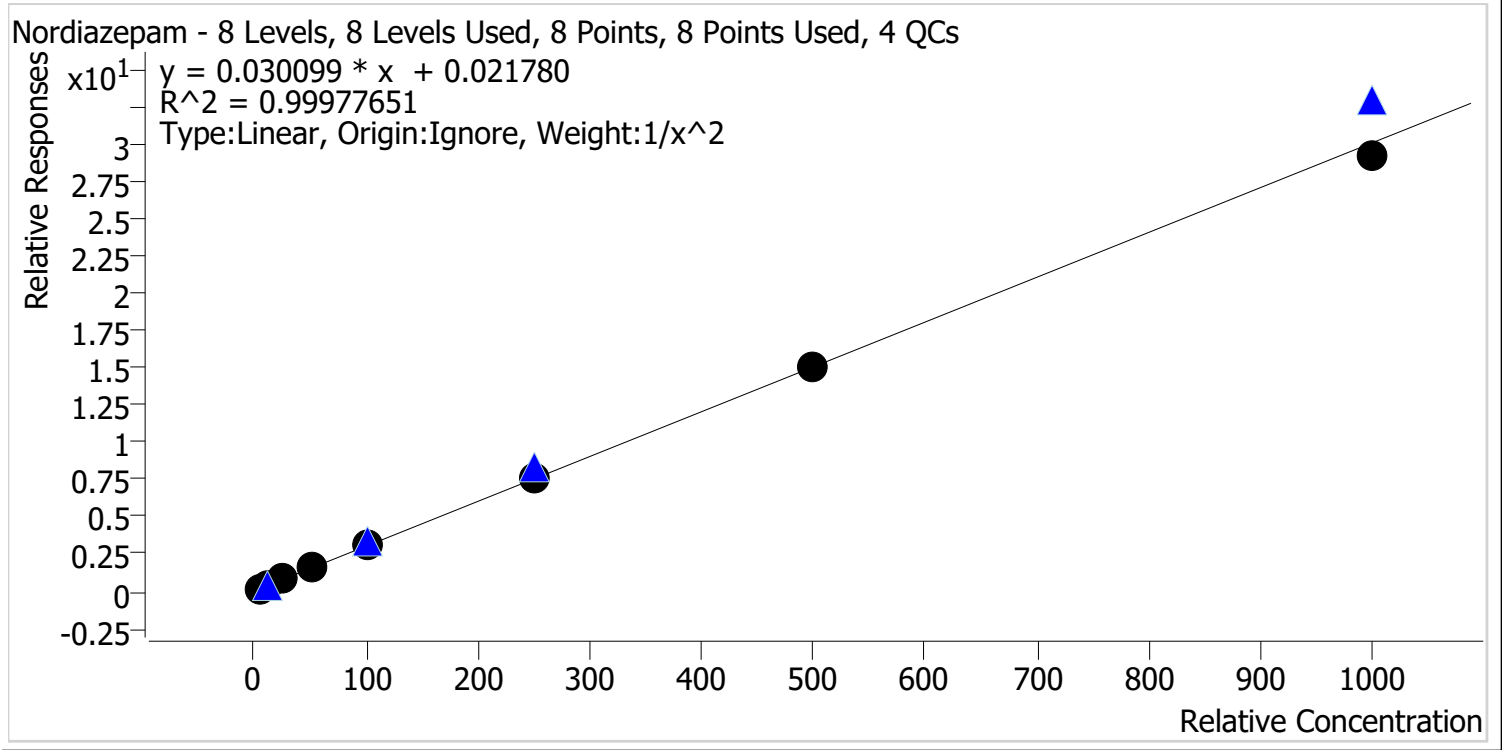
*Cal 1 dropped due to ratio being out

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Nordiazepam Internal Standard Nordiazepam-D5



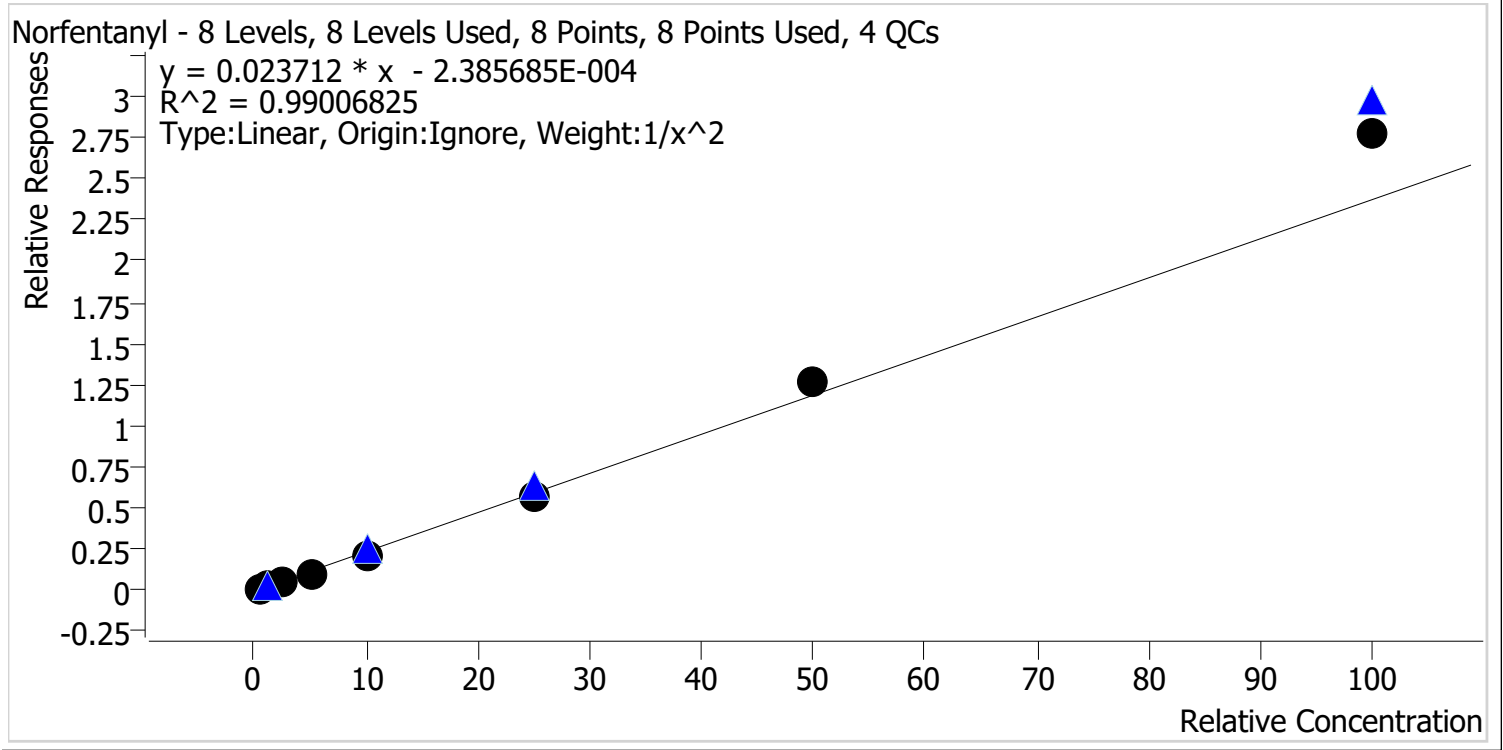
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	975.0	97.5

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Norfentanyl Internal Standard Norfentanyl-D5



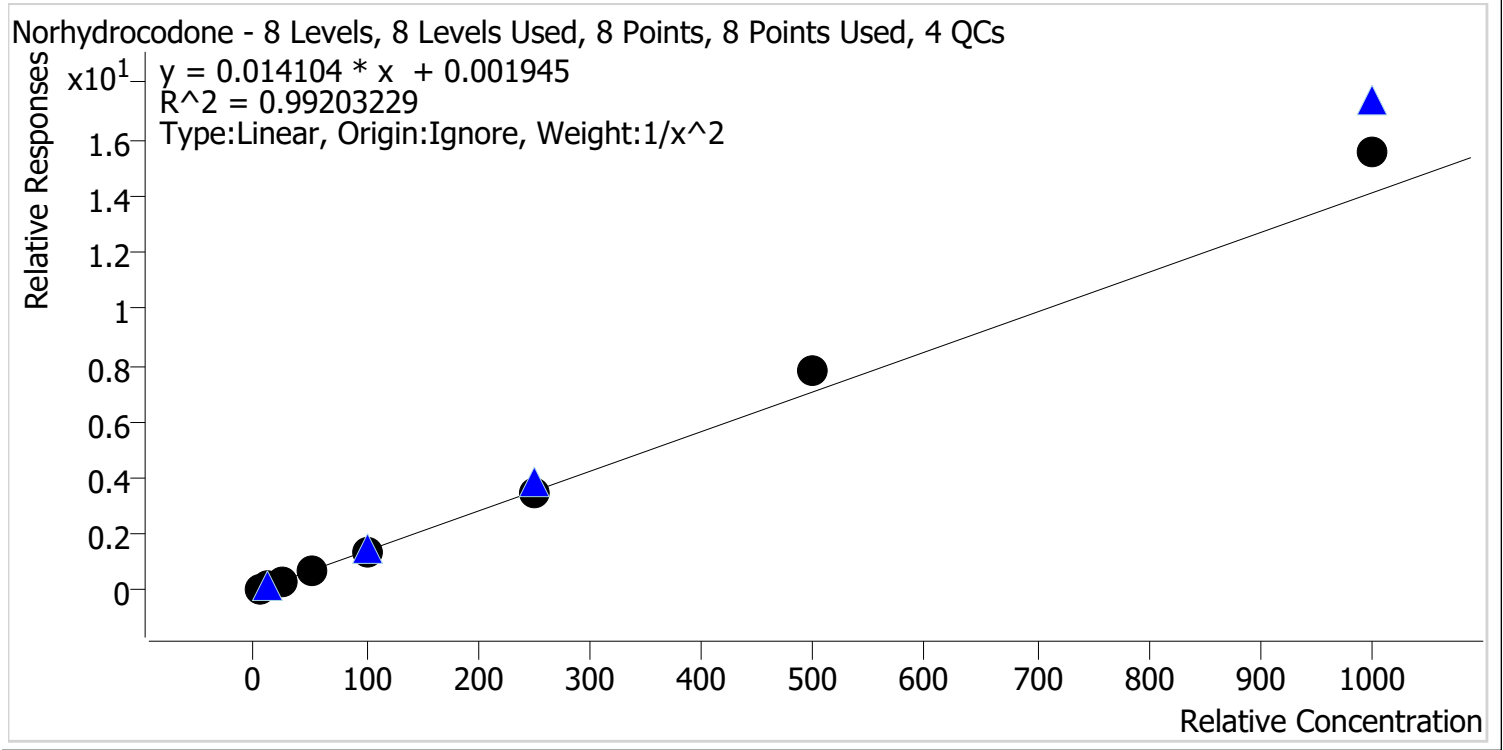
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.1
p1 Cal 2-10ng	2	✓	1.0	1.0	96.6
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.4
p1 Cal 4-50ng	4	✓	5.0	4.6	91.8
p1 Cal 5-100ng	5	✓	10.0	9.3	92.9
p1 Cal 6-250ng	6	✓	25.0	24.3	97.0
p1 Cal 7-500ng	7	✓	50.0	53.8	107.6
p1 Cal 8-1000ng	8	✓	100.0	116.6	116.6

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



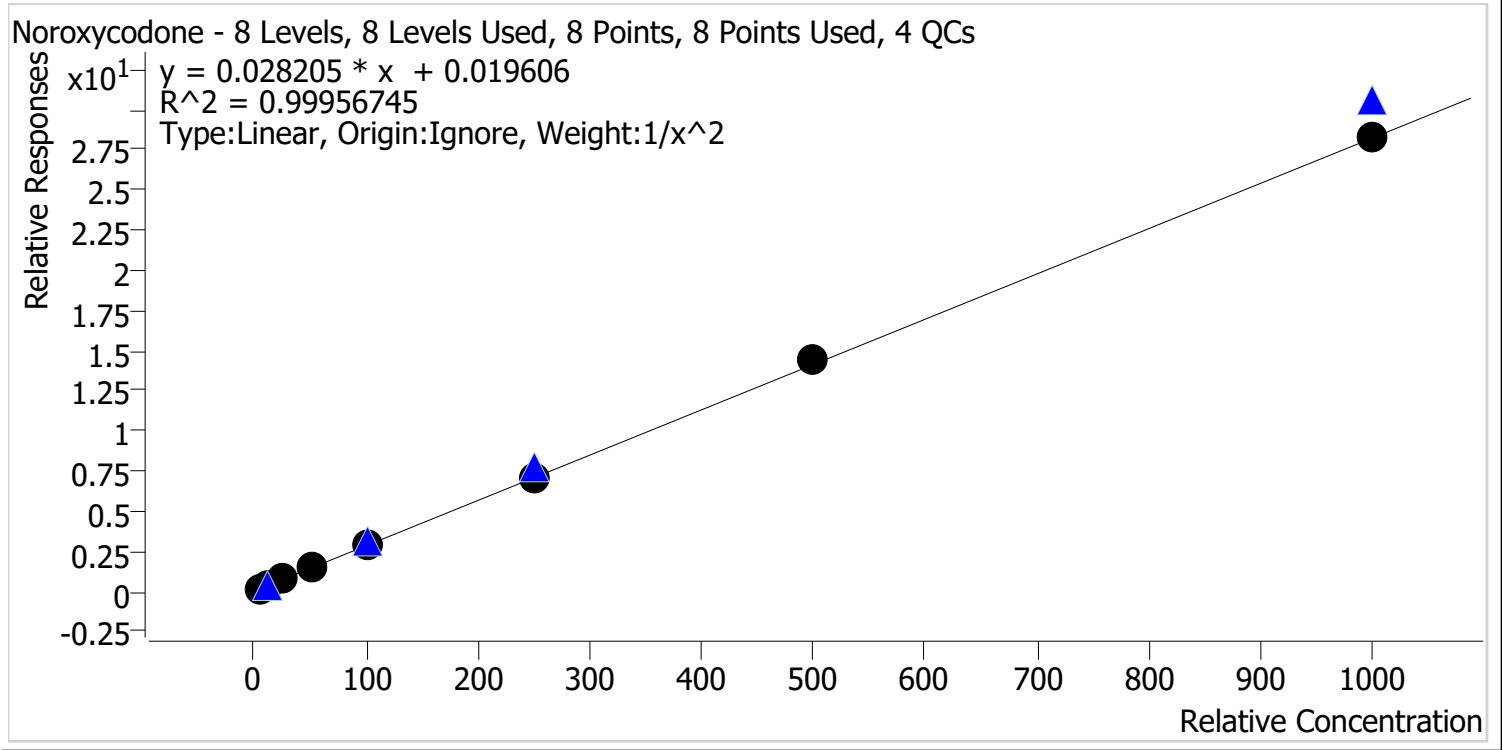
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.0
p1 Cal 4-50ng	4	✓	50.0	45.9	91.8
p1 Cal 5-100ng	5	✓	100.0	93.9	93.9
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	557.3	111.5
p1 Cal 8-1000ng	8	✓	1000.0	1105.2	110.5

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



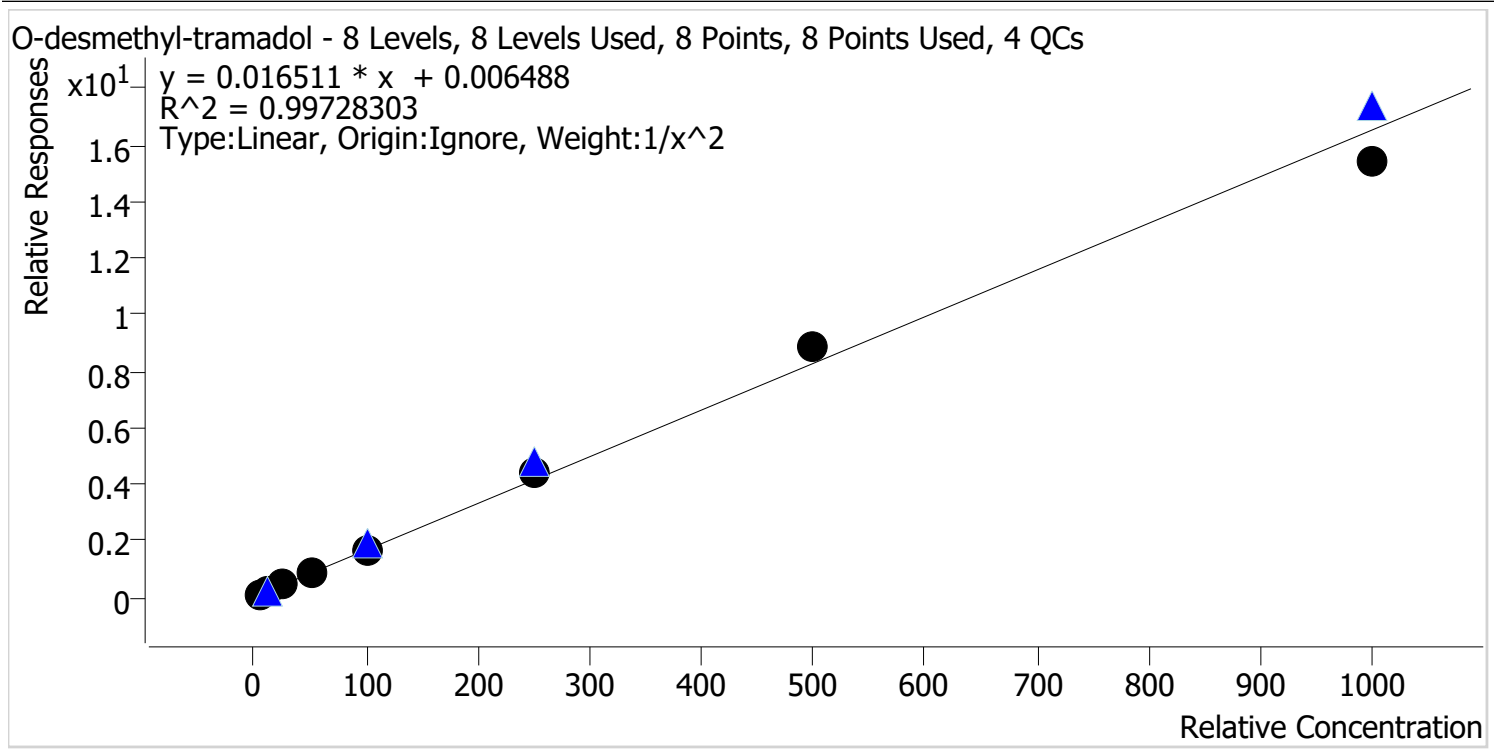
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	250.1	100.1
p1 Cal 7-500ng	7	✓	500.0	513.3	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1005.1	100.5

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



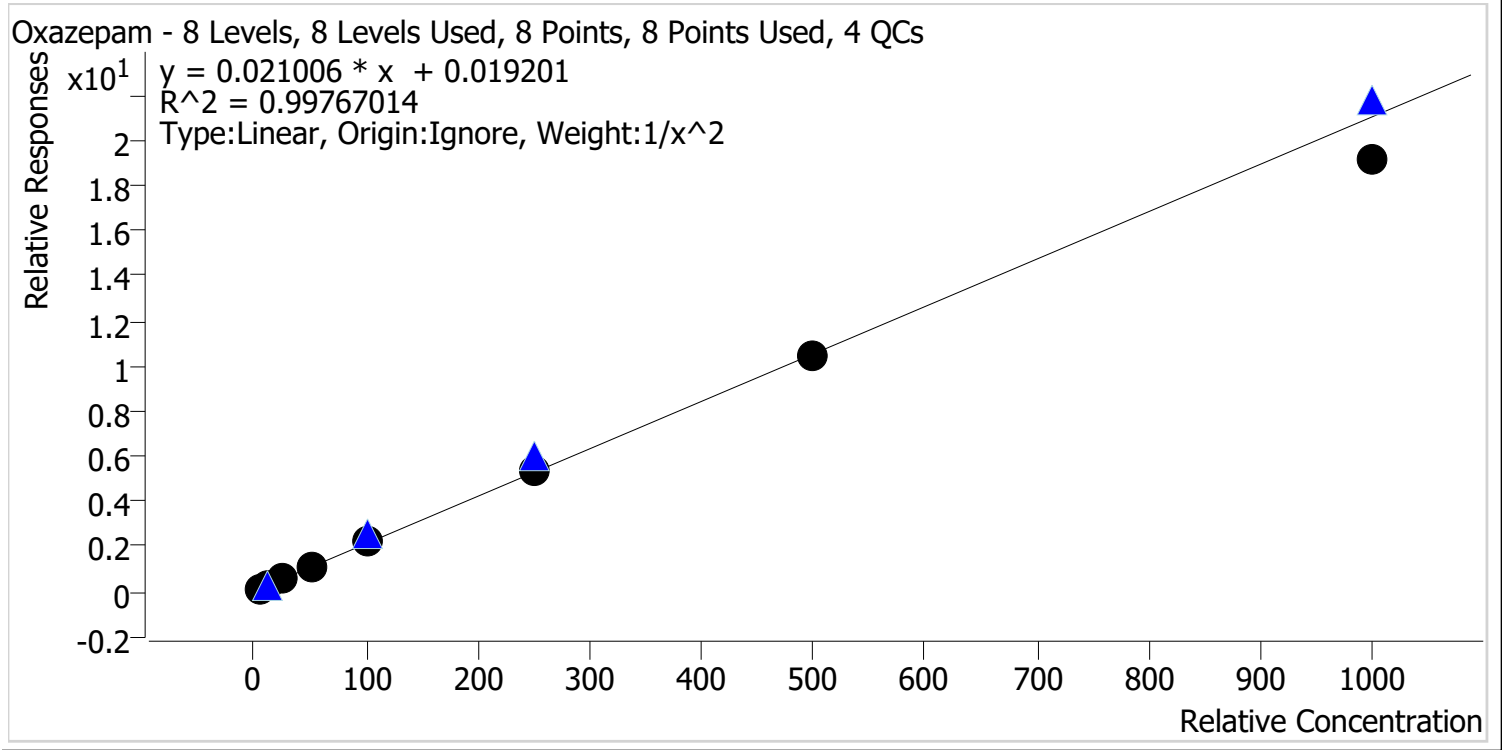
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	264.5	105.8
p1 Cal 7-500ng	7	✓	500.0	532.7	106.5
p1 Cal 8-1000ng	8	✓	1000.0	936.8	93.7

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Oxazepam Internal Standard Oxazepam-D5



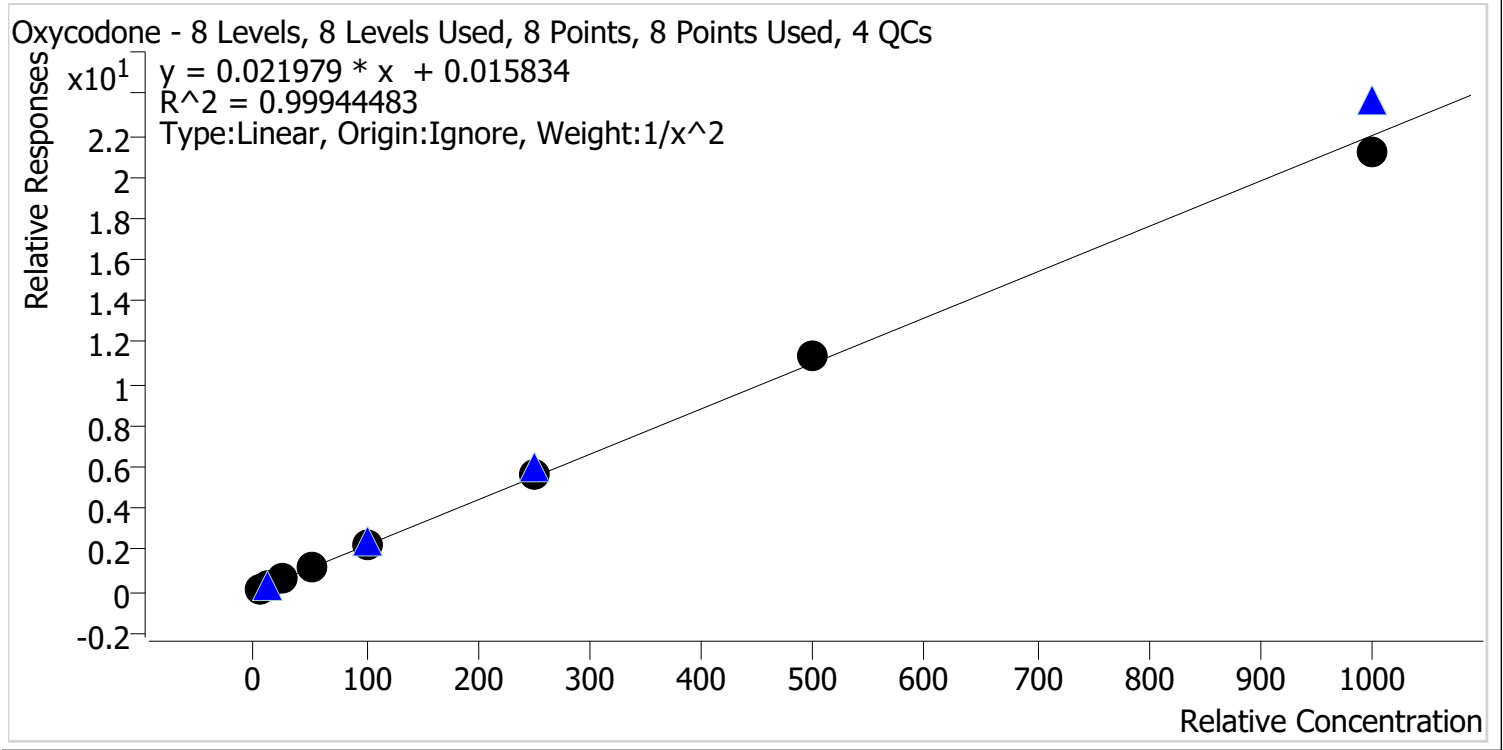
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	256.5	102.6
p1 Cal 7-500ng	7	✓	500.0	492.3	98.5
p1 Cal 8-1000ng	8	✓	1000.0	908.1	90.8

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Oxycodone **Internal Standard** Oxycodone-D6



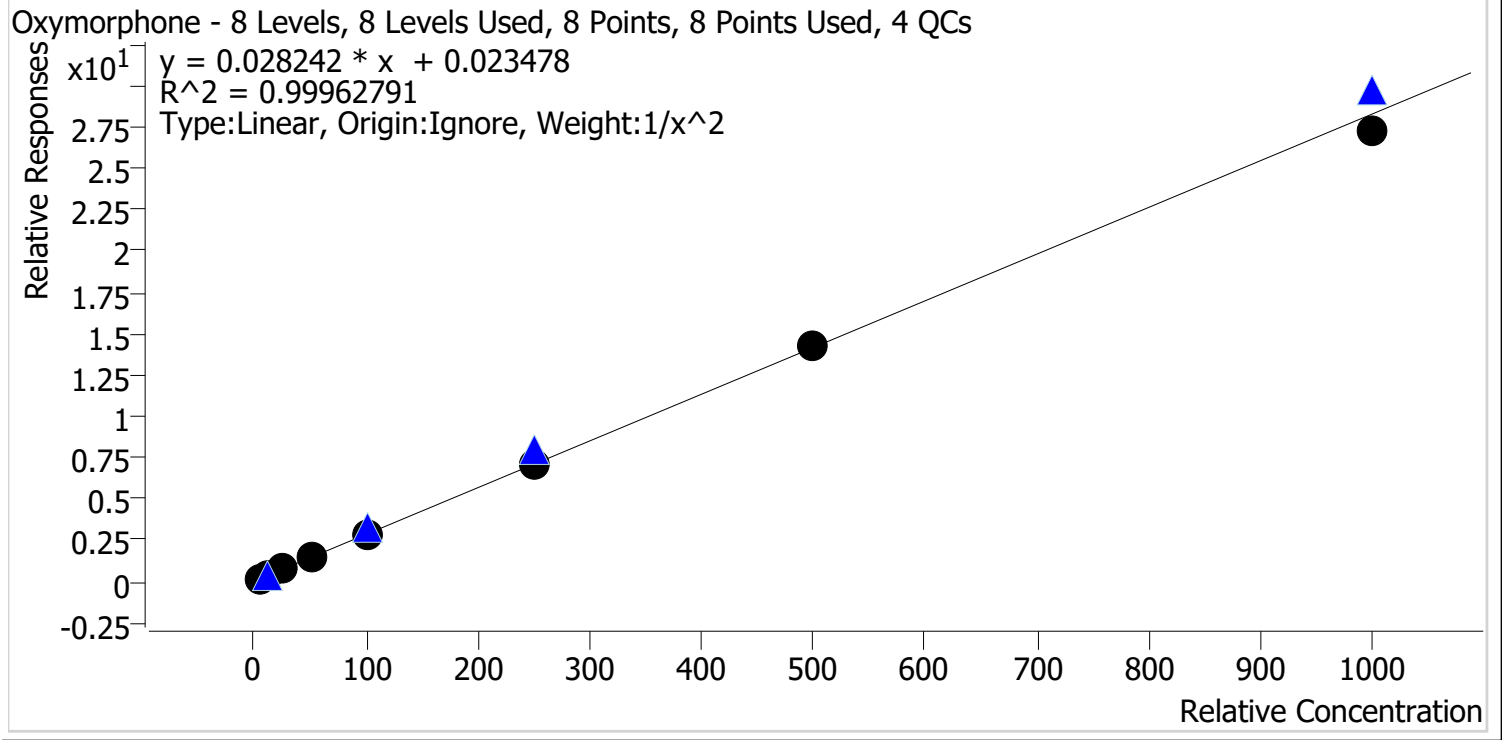
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	514.7	102.9
p1 Cal 8-1000ng	8	✓	1000.0	964.8	96.5

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



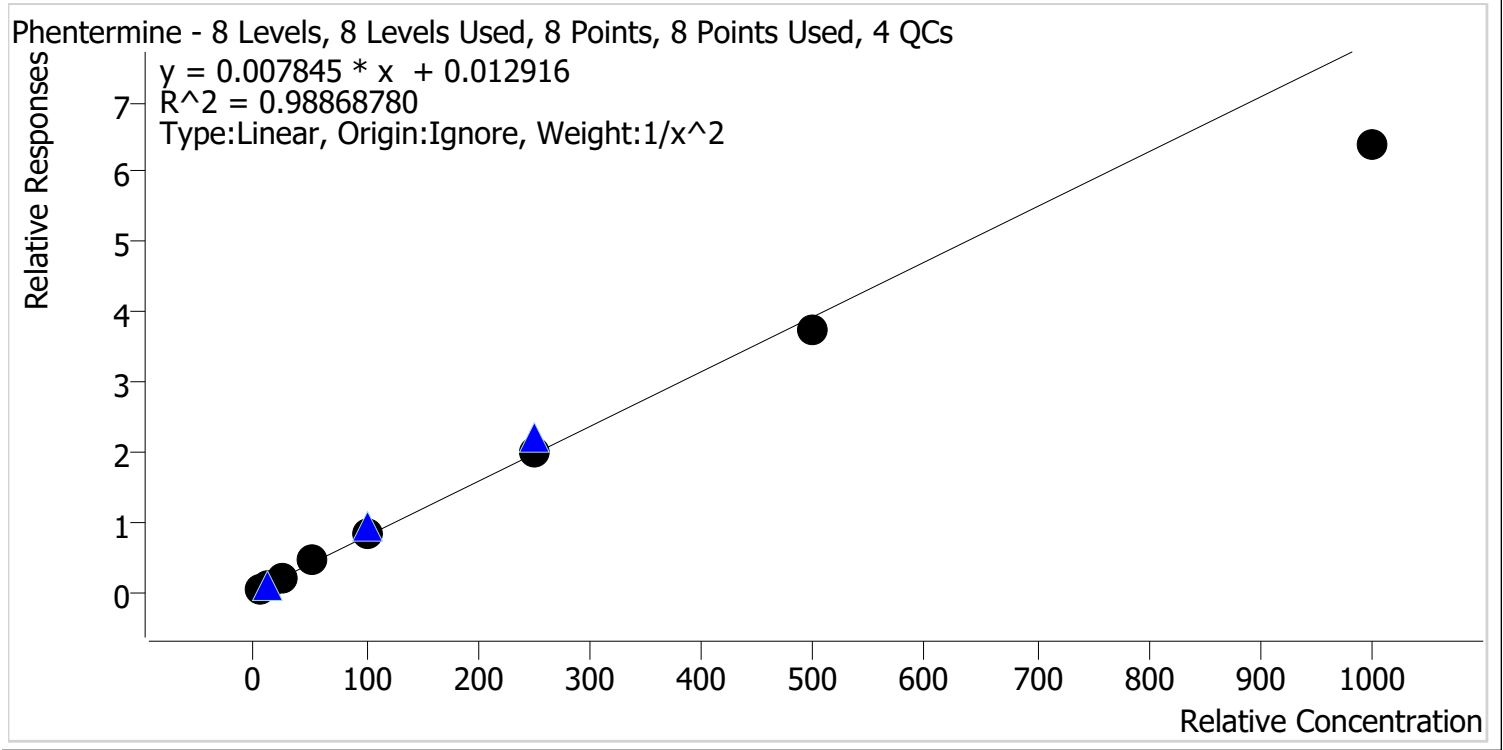
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	504.6	100.9
p1 Cal 8-1000ng	8	✓	1000.0	964.8	96.5

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Phentermine **Internal Standard** Phentermine-D5



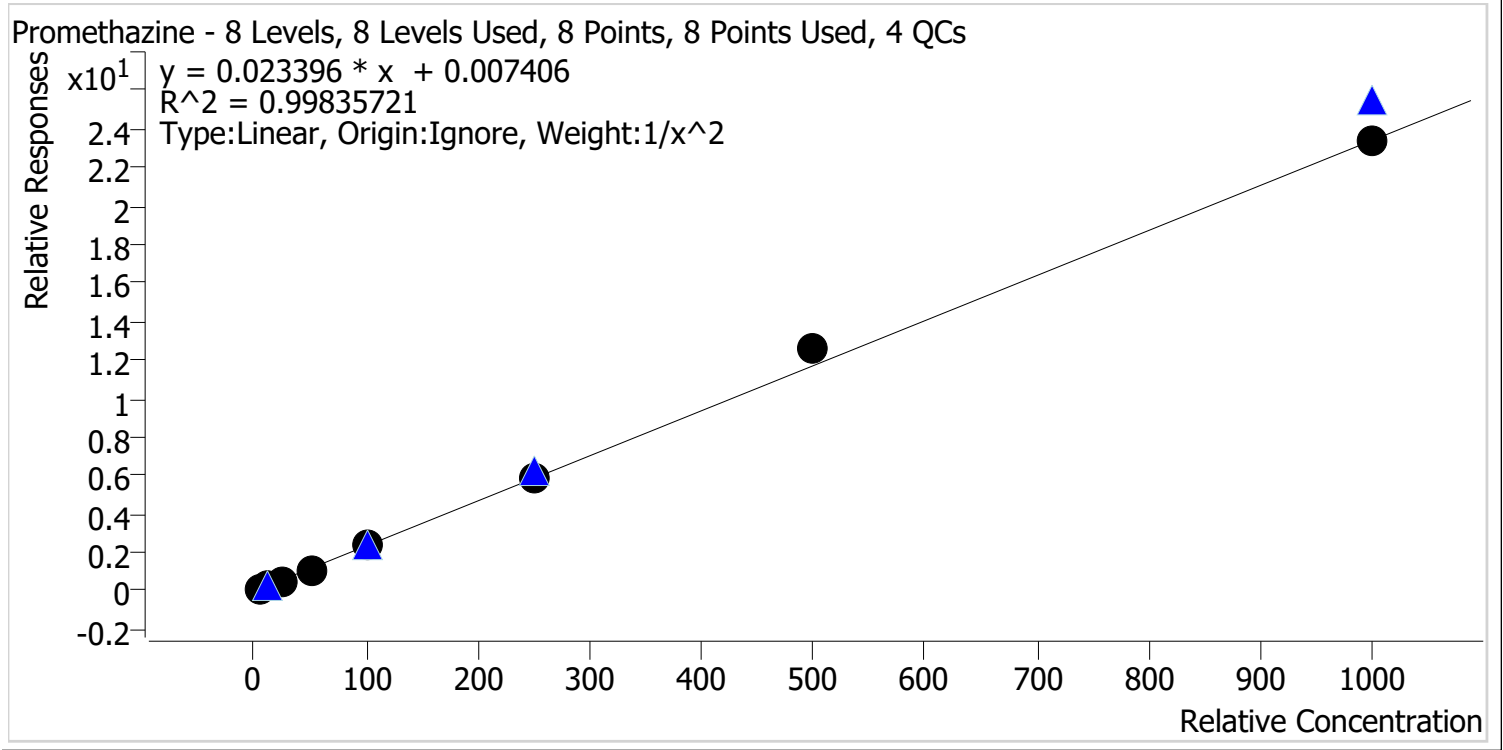
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	55.0	110.0
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	474.7	94.9
p1 Cal 8-1000ng	8	✓	1000.0	811.5	81.1

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Promethazine **Internal Standard** Promethazine-D3



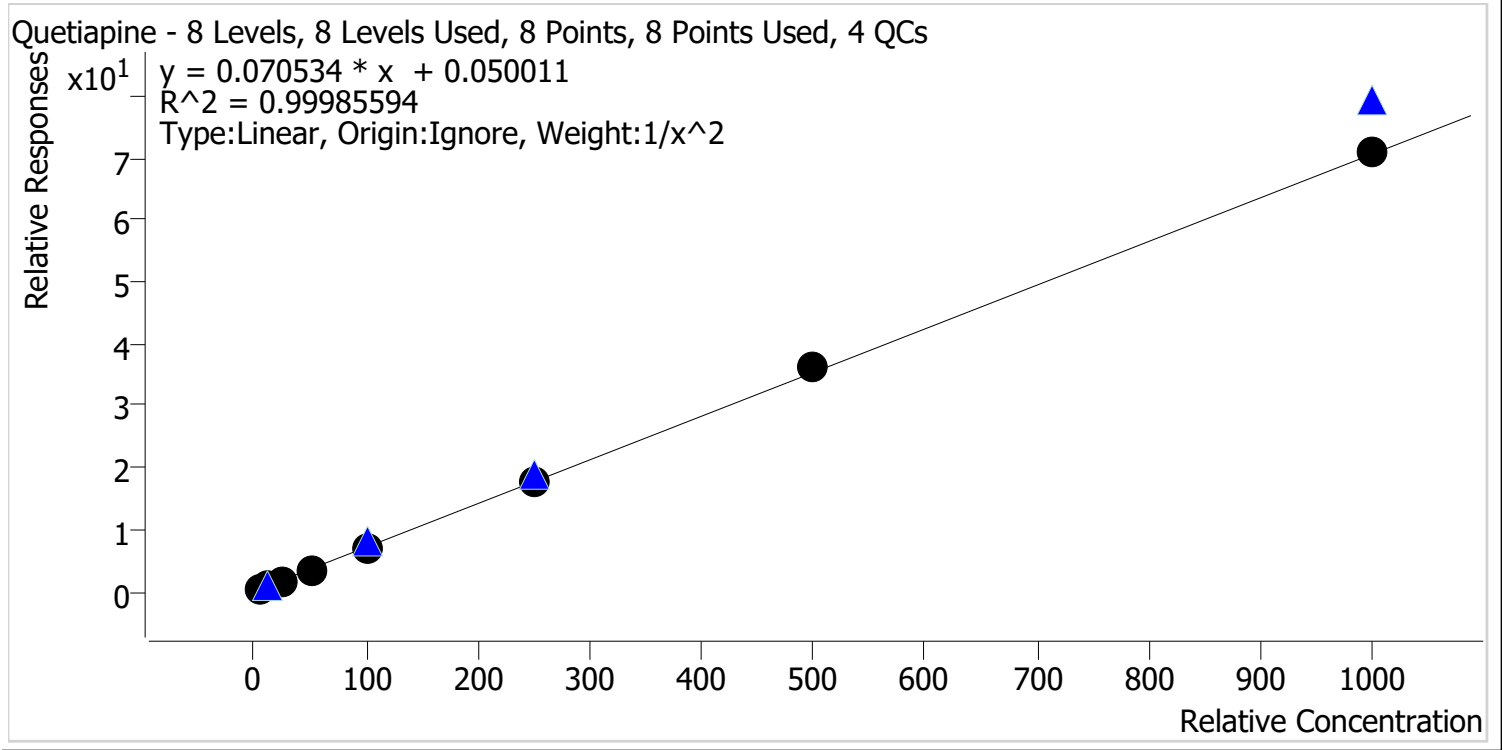
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.6
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	537.4	107.5
p1 Cal 8-1000ng	8	✓	1000.0	995.7	99.6

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Quetiapine **Internal Standard** Quetiapine-D8



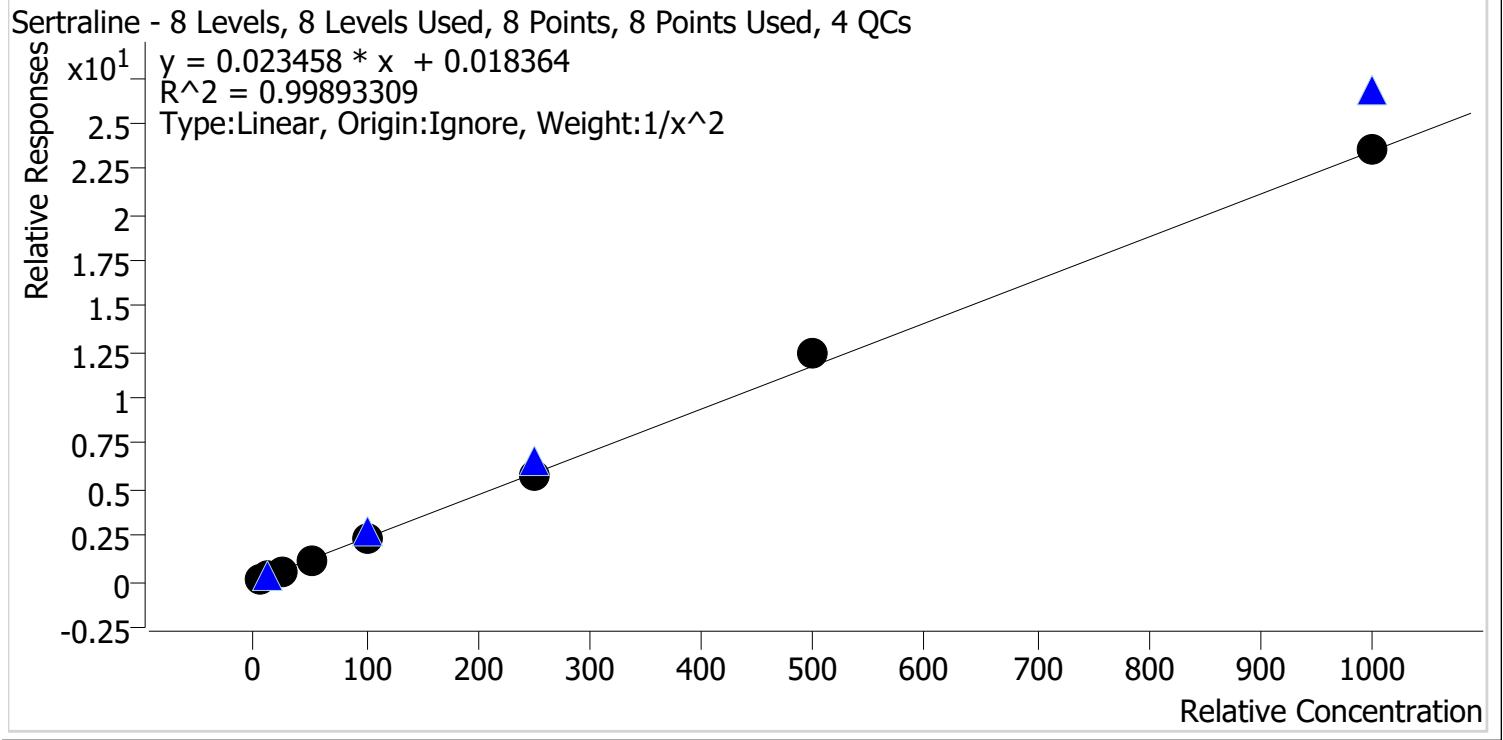
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	509.8	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1005.9	100.6

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Sertraline **Internal Standard** Sertraline-D3



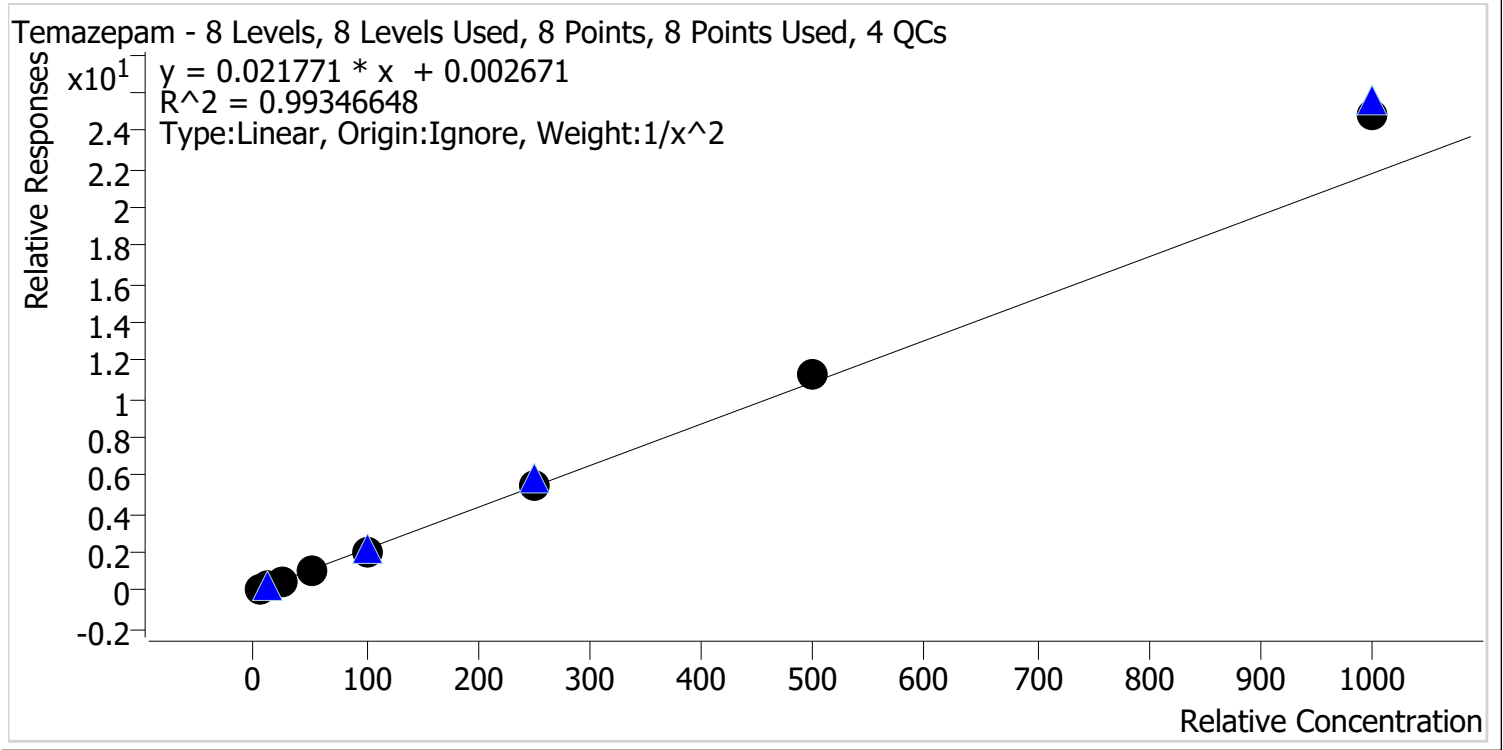
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	527.9	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1007.9	100.8

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Temazepam **Internal Standard** Temazepam-D5



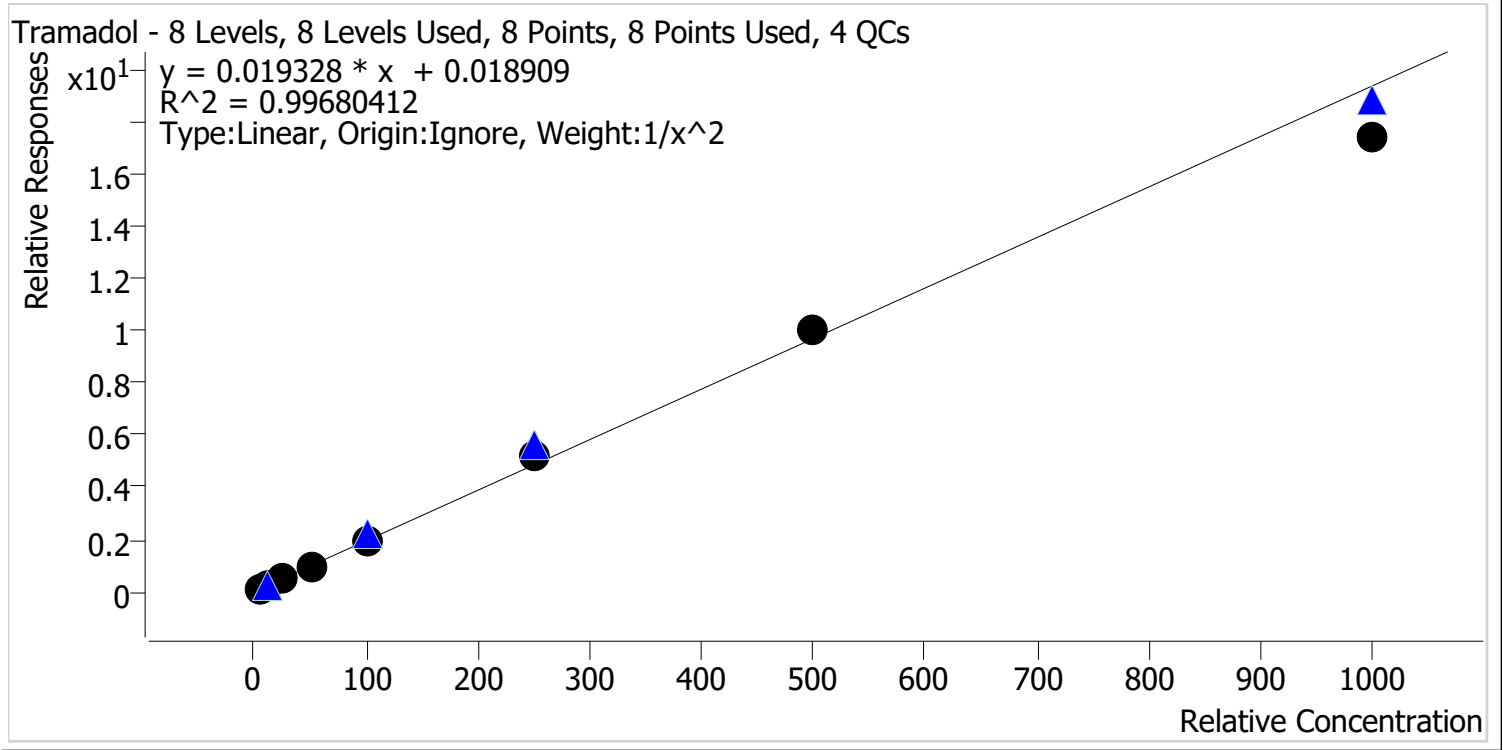
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.9
p1 Cal 4-50ng	4	✓	50.0	47.2	94.4
p1 Cal 5-100ng	5	✓	100.0	94.5	94.5
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	522.2	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1136.7	113.7

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



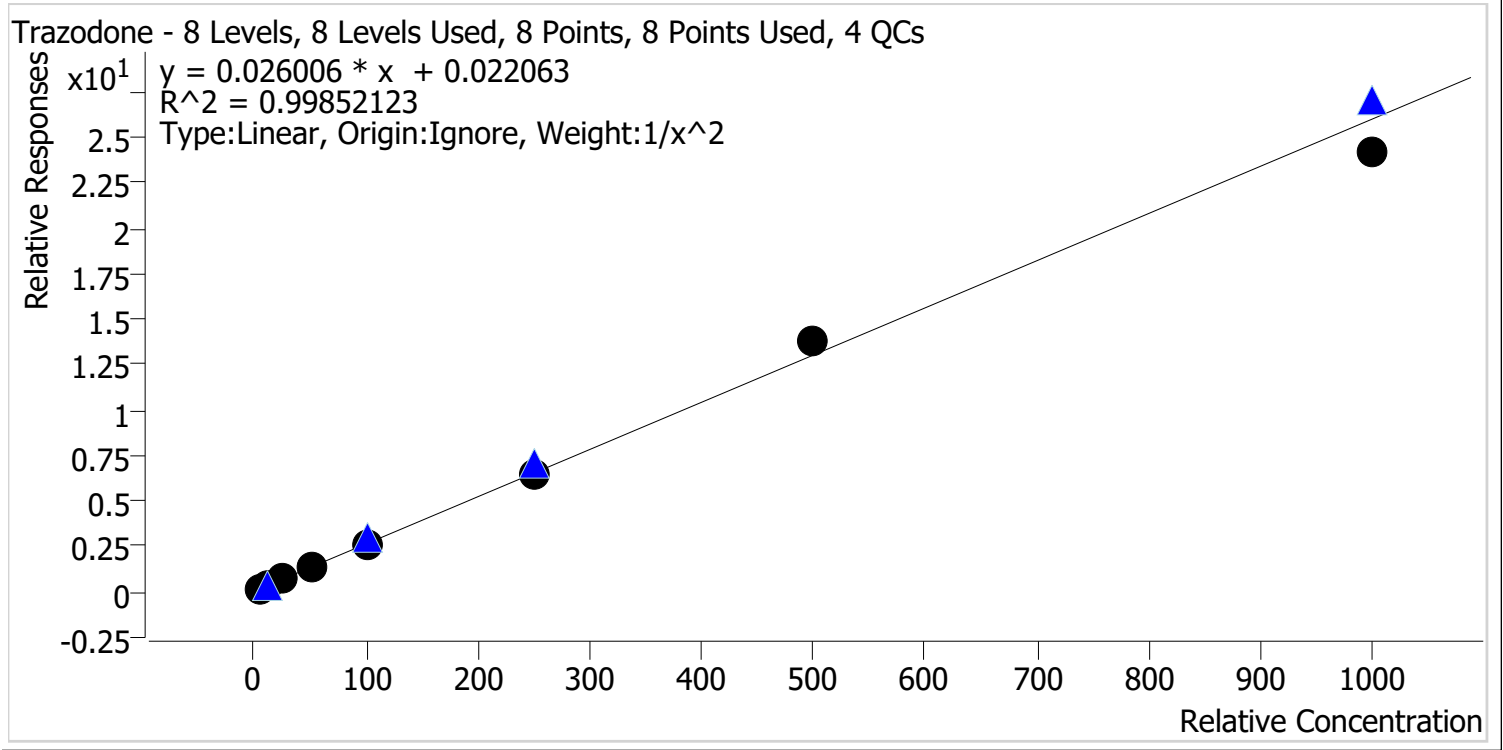
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	266.5	106.6
p1 Cal 7-500ng	7	✓	500.0	516.9	103.4
p1 Cal 8-1000ng	8	✓	1000.0	898.8	89.9

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Trazodone **Internal Standard** Trazodone-D6



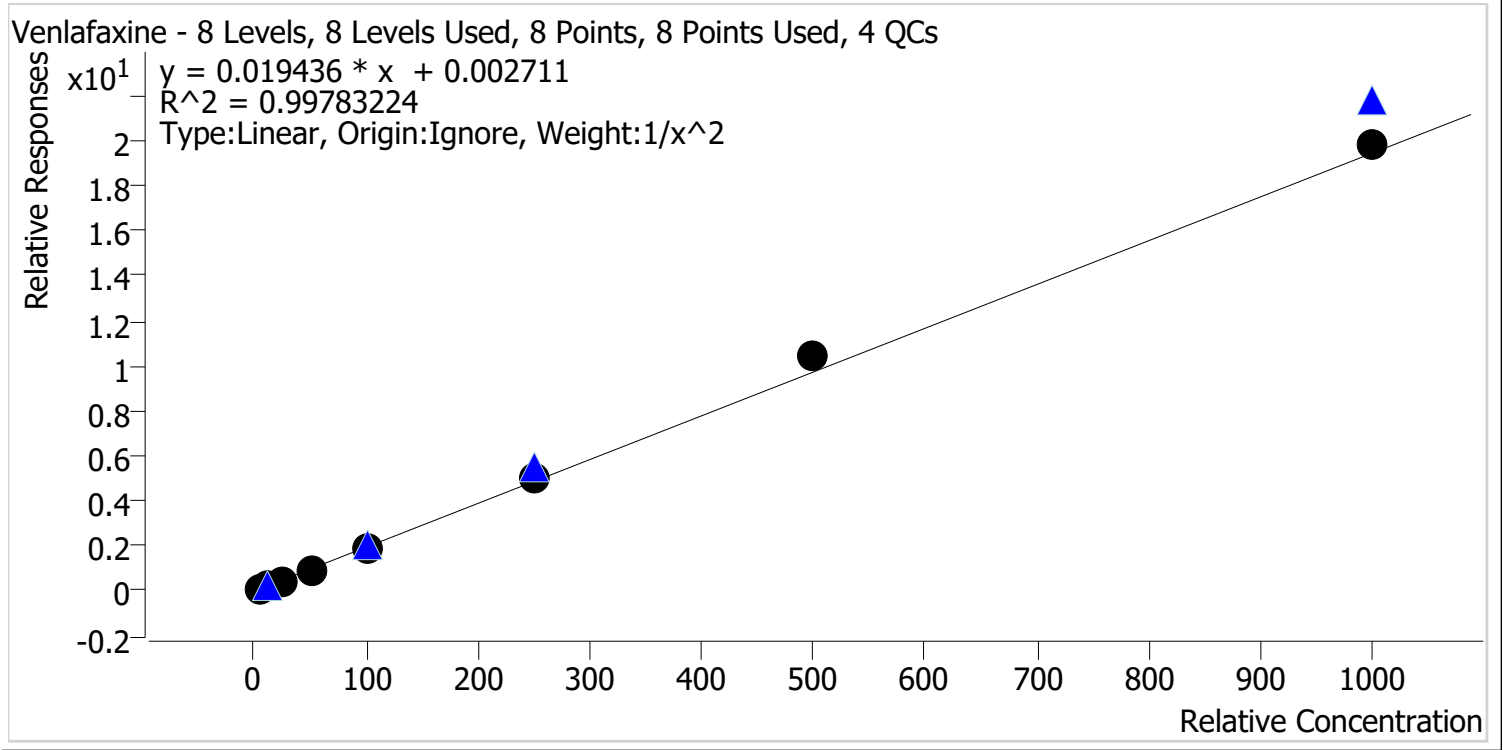
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	527.3	105.5
p1 Cal 8-1000ng	8	✓	1000.0	934.3	93.4

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



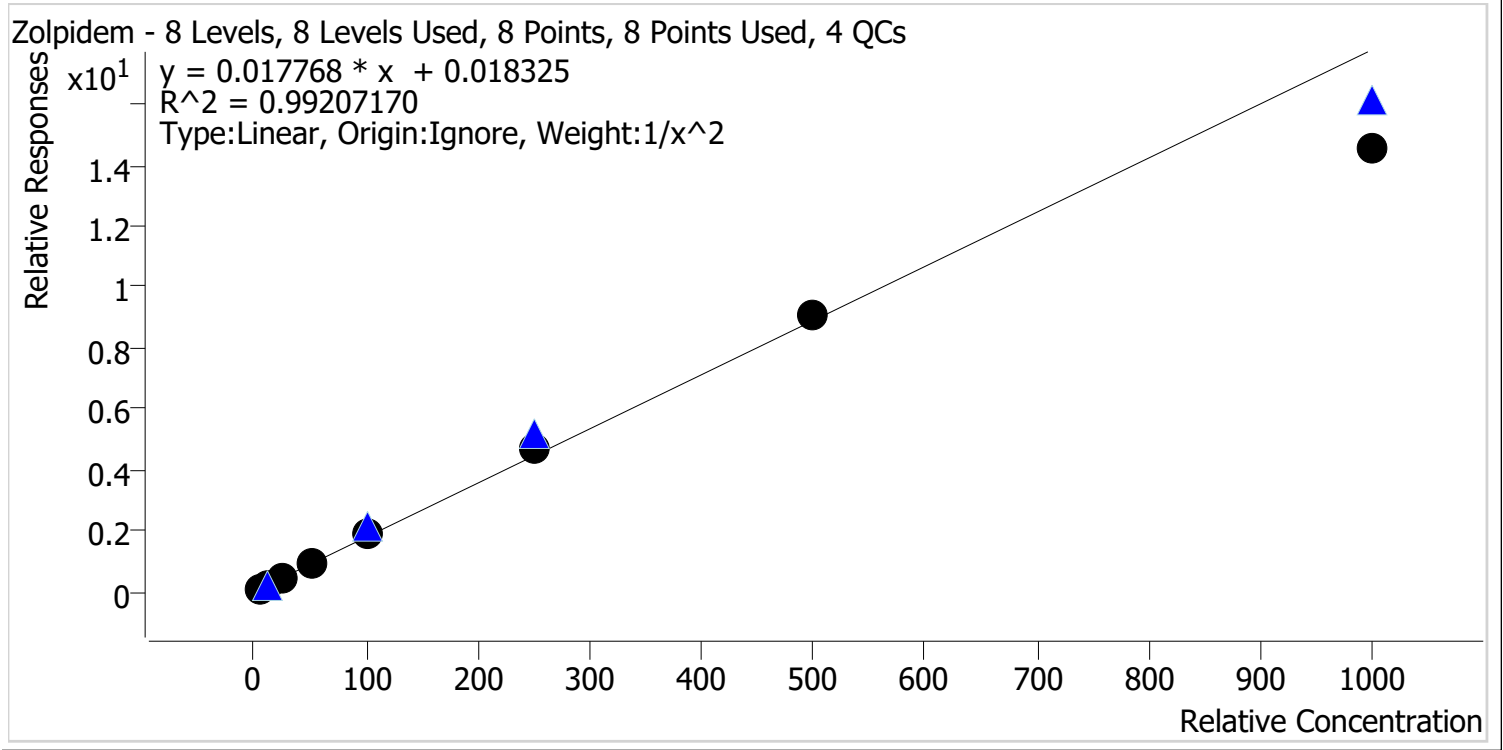
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.2
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	534.1	106.8
p1 Cal 8-1000ng	8	✓	1000.0	1017.4	101.7

AA



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 8/26/2021 1:09 PM
Analyst Name ISP\lagerheart
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	262.6	105.1
p1 Cal 7-500ng	7	✓	500.0	510.2	102.0
p1 Cal 8-1000ng	8	✓	1000.0	817.0	81.7

AM #28 Multi-Drug Quant. Results

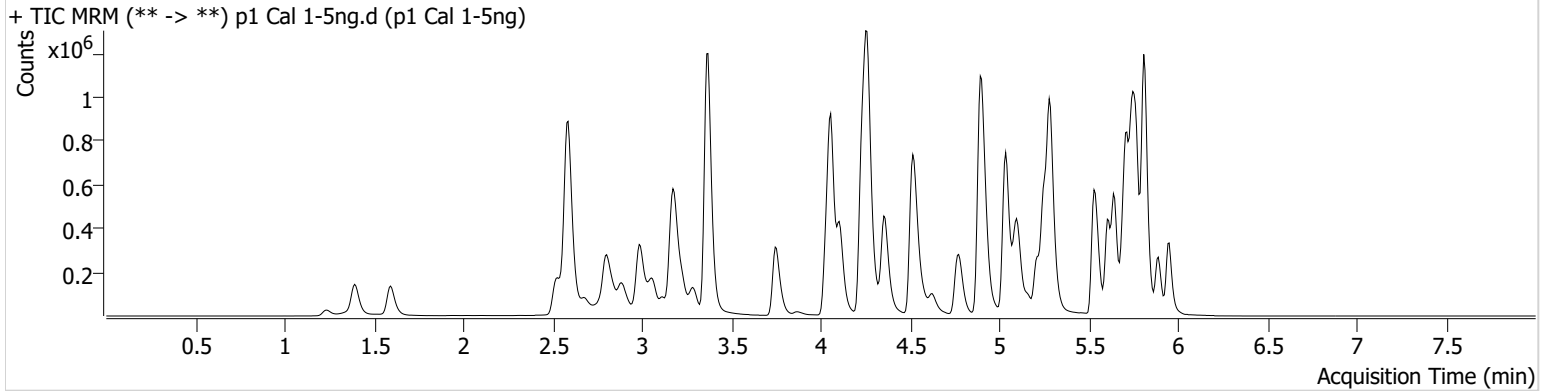
AA



Batch results C:\Users\agerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-A1	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 12:40:50 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	3060	6527.31	74.3	4609.78	159626	0.5189 ng/ml
7-aminoclonazepam	4.271	51921	651.64	74.1	674.42	528064	5.1084 ng/ml
a-hydroxyalprazolam	5.692	39188	176.02	58.0	205.49	748314	4.7044 ng/ml
alpha-PHP	4.930	30331	678.38	281.1	2461.94	1052389	4.6656 ng/ml
alpha-PVP	4.370	136542	1866.10	53.3	318.70	1052389	5.1017 ng/ml
Alprazolam	5.775	116181	217.85	111.0	713.53	748314	5.0506 ng/ml
Amphetamine	3.063	221083	464.20	51.2	98.26	438679	4.8237 ng/ml
Benzoylecgonine	3.892	4665	88.23	7.6	1727.07	32068	5.1098 ng/ml
Buprenorphine	5.840	2068	29.26	15.2	598.28	140779	0.5175 ng/ml
Bupropion	4.788	116133	2784.71	61.8	248.02	707857	5.0347 ng/ml
Carisoprodol	5.724	113615	250.38	61.4	380.72	1093067	5.1364 ng/ml
Citalopram	5.212	71751	442.27	41.0	331.78	575024	5.0649 ng/ml
Clonazepam	5.612	134025	9979.86	33.1	6600.15	306763	4.9223 ng/ml
Clonazepam	5.548	95654	179378.66	37.9	57342.85	306763	4.9879 ng/ml
Cocaine	4.264	118359	529.65	53.3	1509.50	1911308	5.0500 ng/ml
Codeine	2.573	17742	196.21	95.6	∞	146522	4.9063 ng/ml
Cyclobenzaprine	5.615	53223	619.26	8.8	409.05	399901	5.0555 ng/ml
Dextromethorphan	5.262	37569	458.90	79.4	243.44	337371	5.0574 ng/ml
Dextrophan	4.111	37327	1170.81	204.6	1790.65	783215	5.0946 ng/ml
Diazepam	5.953	68302	310.34	88.5	204.71	592709	4.9595 ng/ml
Dihydrocodeine	2.552	42987	1747.56	64.2	191.62	443721	4.8667 ng/ml
Diphenhydramine	5.289	170312	831.20	34.1	5061.36	1956002	5.1619 ng/ml
Doxylamine	4.536	264202	1537.35	96.5	758.98	2113770	5.0065 ng/ml
EDDP	5.254	96691	135.99	43.9	111.52	932855	5.0782 ng/ml
Etizolam	5.813	75029	13460.61	25.8	4508.74	306763	5.2853 ng/ml
Fentanyl	5.103	6135	45.67	64.7	15326.76	618511	0.4990 ng/ml
Flualprazolam	5.698	57079	2999.62	94.7	14027.40	748314	4.9298 ng/ml
Fluoxetine	5.700	72475	5402.49	8.2	5501.05	528036	5.0071 ng/ml
Hydrocodone	3.018	58503	187.59	40.9	286.25	608960	4.8171 ng/ml
Hydromorphone	1.601	56940	1481.98	70.9	1771.12	358353	5.0047 ng/ml
Ketamine	4.051	117056	727.03	36.1	313.91	990265	5.0006 ng/ml
Lamotrigine	4.280	10843	442.15	80.2	4170.96	990265	4.8206 ng/ml
Levetiracetam	2.683	49667	294.66	165.5	243.42	2498473	5.1636 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	127621	1334.83	59.7	134.07	306763	4.7946 ng/ml
MDA	3.203	163372	1085.96	23.3	85.13	729383	4.8101 ng/ml
MDMA	3.296	98650	983.40	77.6	815.96	162890	5.0797 ng/ml
Meprobamate	4.924	66576	128.75	28.1	419.73	490004	4.8034 ng/ml
Methadone	5.646	117508	338.89	49.4	985.29	904840	5.1666 ng/ml
Methamphetamine	3.231	155450	361.58	36.9	283.58	1063259	4.8436 ng/ml
Metoprolol	4.326	26228	59573.77	88.3	215.11	2156634	4.9698 ng/ml
Mirtazapine	4.624	116785	1372.19	51.4	12573.73	1052389	5.0595 ng/ml
Mitragynine	5.237	26330	27533.75	39.5	115.73	904840	5.0390 ng/ml
Morphine	1.247	8612	2162.19	36.0	2583.09	17058	4.9231 ng/ml
Norbuprenorphine	4.986	388	532.21	63.7 Low	845.99	22120	0.4895 ng/ml
Nordiazepam	5.893	74649	1990.60	56.3	301.66	434081	4.9899 ng/ml
Norfentanyl	4.079	22947	908.91	35.3	57.76	1896444	0.5203 ng/ml
Norhydrocodone	3.059	9910	50.43	42.8	139.94	132880	5.1495 ng/ml
Noroxycodone	2.909	65967	527.06	41.6	4397.32	406877	5.0532 ng/ml
O-desmethyl-tramadol	3.369	277705	909.91	7.1	615.03	3074953	5.0768 ng/ml
Oxazepam	5.749	149516	327.43	73.0	371.20	1215615	4.9412 ng/ml
Oxycodone	2.834	127361	407.78	27.7	925.45	1018906	4.9667 ng/ml
Oxymorphone	1.398	67174	409.96	42.6	174.24	410815	4.9585 ng/ml
Phentermine	3.783	45581	116.92	4.6	35.69	903775	4.7825 ng/ml
Promethazine	5.532	122453	4251.64	28.7	295.25	974012	5.0571 ng/ml
Pseudoephedrine	2.596	278228	418.59	16.1	2358.63	2498473	5.1376 ng/ml
Quetiapine	5.548	91547	10017.24	58.3	6515.70	226948	5.0099 ng/ml
Sertraline	5.769	31913	400.79	93.8	124.09	235840	4.9856 ng/ml
Temazepam	5.816	242118	1712.66	27.6	112.14	2090771	5.1964 ng/ml
Tramadol	4.246	249177	608.65	3.6	32.85	2156634	4.9995 ng/ml
Trazodone	5.163	93924	636.09	81.2	1403.97	616157	5.0132 ng/ml
Venlafaxine	5.037	187215	434.47	37.5	420.35	1834630	5.1107 ng/ml
Zolpidem	4.921	263233	3259.74	30.8	78.05	2508053	4.8756 ng/ml

AM #28 Multi-Drug Quant. Results

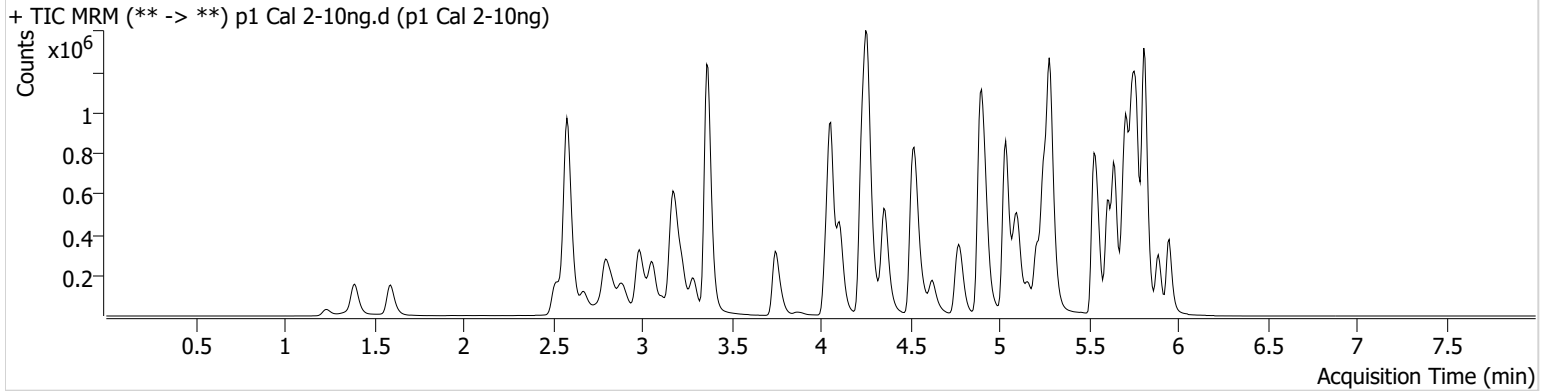
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Batch results C:\Users\agerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-B1	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 12:51:36 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	5355	305.72	73.5	1747.64	152628	0.9540 ng/ml
7-aminoclonazepam	4.271	91148	2090.42	76.9	1887.51	497177	9.8382 ng/ml
a-hydroxyalprazolam	5.692	72358	353.72	57.2	1167.18	706055	10.8073 ng/ml
alpha-PHP	4.930	64284	1247.56	263.2	7458.47	1076455	10.8913 ng/ml
alpha-PVP	4.370	262160	633.89	53.0	938.94	1076455	9.8811 ng/ml
Alprazolam	5.775	206224	477.75	112.7	925.76	706055	9.8613 ng/ml
Amphetamine	3.063	418595	2584.67	50.0	1500.97	441312	10.4028 ng/ml
Benzoylecgonine	3.892	7596	54.69	8.8	3399.44	28884	9.7826 ng/ml
Buprenorphine	5.840	4742	409.25	14.0	1368.99	170109	0.9755 ng/ml
Bupropion	4.788	237711	14592.14	60.8	1247.36	771909	9.9812 ng/ml
Carisoprodol	5.724	200995	4182.73	59.1	251.01	1004079	9.8118 ng/ml
Citalopram	5.212	156983	924.05	39.8	126546.18	664933	9.9833 ng/ml
Clonazepam	5.612	241301	7182.62	31.3	968.96	292505	10.3012 ng/ml
Clonazepam	5.548	165719	198379.98	38.4	98277.43	292505	9.8853 ng/ml
Cocaine	4.257	224746	10757.57	52.8	8128.50	1869706	10.0495 ng/ml
Codeine	2.573	29518	696.35	100.7	223.59	135866	10.0514 ng/ml
Cyclobenzaprine	5.615	128368	8624.96	8.3	76.22	494791	10.1008 ng/ml
Dextromethorphan	5.262	82080	276.77	79.5	2758.90	396917	9.9160 ng/ml
Dextrophan	4.111	69076	65284.62	209.8	322.28	783380	9.7676 ng/ml
Diazepam	5.953	127056	381.63	88.2	1271.87	575644	10.1443 ng/ml
Dihydrocodeine	2.552	75804	589.90	68.0	413.90	418046	10.3046 ng/ml
Diphenhydramine	5.289	361351	321.14	34.5	1181.47	2272423	9.6183 ng/ml
Doxylamine	4.536	505671	6018.01	96.9	7605.95	2143573	10.0132 ng/ml
EDDP	5.254	210032	536.08	40.8	227.38	1058901	10.0195 ng/ml
Etizolam	5.813	133278	44900.18	25.5	2168.05	292505	9.5786 ng/ml
Fentanyl	5.103	14364	169.14	65.6	14619.32	726719	1.0267 ng/ml
Flualprazolam	5.698	99294	2613.35	96.8	2981.08	706055	10.0772 ng/ml
Fluoxetine	5.700	168856	2103811.34	8.8	36492.62	659518	10.0727 ng/ml
Hydrocodone	3.012	109290	185.98	39.4	273.86	594153	10.4613 ng/ml
Hydromorphone	1.601	101396	670567.05	78.4	2547.47	332419	10.1098 ng/ml
Ketamine	4.051	208989	137.59	36.3	∞	950833	10.1077 ng/ml
Lamotrigine	4.280	18493	307.93	84.9	526.82	950833	10.2040 ng/ml
Levetiracetam	2.676	88102	1077.03	165.5	1421.07	2410836	9.7839 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	230571	1280.51	57.9	137.58	292505	10.6606 ng/ml
MDA	3.203	309207	1127.74	23.2	278.44	741030	10.3014 ng/ml
MDMA	3.290	185973	1098.49	76.4	1229.10	162877	9.9230 ng/ml
Meprobamate	4.917	117102	18486.26	27.2	110.56	460651	10.4886 ng/ml
Methadone	5.646	260771	593.01	49.4	332.03	1098945	9.7299 ng/ml
Methamphetamine	3.231	286773	521.24	37.9	559.95	1064681	10.3407 ng/ml
Metoprolol	4.326	48366	83991.51	94.9	406.67	2171755	10.0412 ng/ml
Mirtazapine	4.624	238506	1307.03	52.7	2772.59	1076455	10.1338 ng/ml
Mitragynine	5.230	55927	431.48	39.8	50461.81	1098945	9.7277 ng/ml
Morphine	1.240	14976	165.41	37.5	658.22	15461	10.0939 ng/ml
Norbuprenorphine	4.986	729	1373.34	79.9	∞	26078	0.9992 ng/ml
Nordiazepam	5.900	133156	2225.95	56.6	311.52	413804	9.9673 ng/ml
Norfentanyl	4.079	42588	375.45	35.5	8.34 Low	1877965	0.9664 ng/ml
Norhydrocodone	3.059	18037	95.38	38.3	41.63	127143	9.9203 ng/ml
Noroxycodone	2.903	117141	635.82	42.4	2317.44	390871	9.9303 ng/ml
O-desmethyl-tramadol	3.369	495758	565.57	6.9	803.43	2923206	9.8786 ng/ml
Oxazepam	5.749	262555	356.11	73.8	361.72	1137502	10.0742 ng/ml
Oxycodone	2.827	231267	1569.21	27.2	1474.17	966164	10.1701 ng/ml
Oxymorphone	1.398	119290	408.12	43.5	272.51	383940	10.1701 ng/ml
Phentermine	3.783	85742	117.31	3.9	36.10	908360	10.3859 ng/ml
Promethazine	5.532	293153	2071.60	28.5	310.20	1216564	9.9832 ng/ml
Pseudoephedrine	2.589	506454	278.37	16.1	13849.69	2410836	9.8382 ng/ml
Quetiapine	5.548	191412	1315401.04	58.6	136877.28	253127	10.0118 ng/ml
Sertraline	5.769	79868	375.68	92.8	1050.18	309306	10.2248 ng/ml
Temazepam	5.816	427576	306.56	28.4	450.01	2011182	9.6425 ng/ml
Tramadol	4.246	463269	667.41	3.6	63.96	2171755	10.0583 ng/ml
Trazodone	5.163	196931	237887.71	82.5	231182.08	701222	9.9505 ng/ml
Venlafaxine	5.037	370557	5051.89	37.0	346.96	1907860	9.8535 ng/ml
Zolpidem	4.914	481078	405974.30	31.3	6684.10	2404244	10.2302 ng/ml

AM #28 Multi-Drug Quant. Results

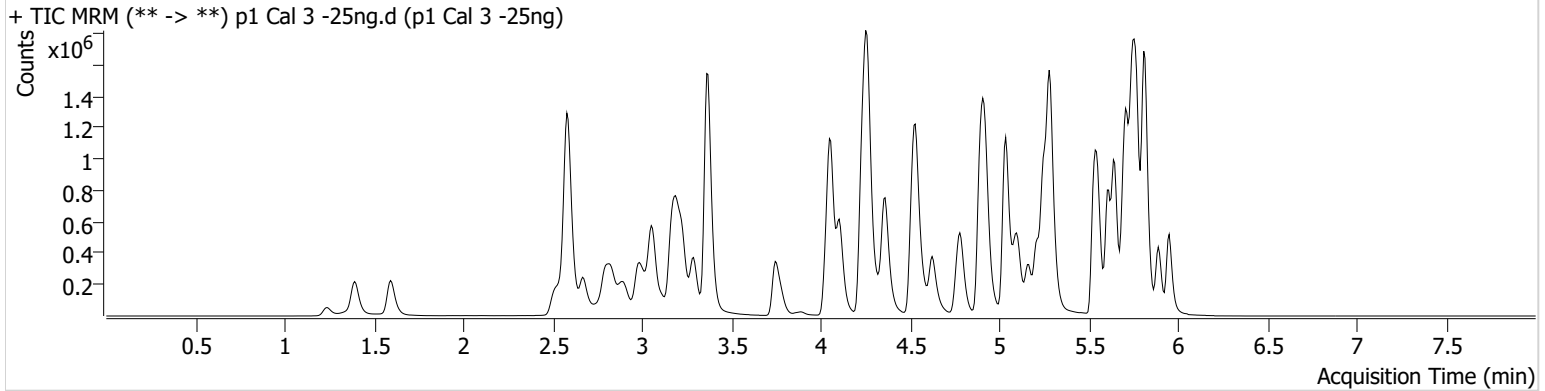
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Batch results C:\Users\agerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-C1	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 1:02:11 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	13488	248.97	72.1	21893.05	157519	2.3358 ng/ml
7-aminoclonazepam	4.271	211286	329.53	77.8	4278.35	484860	23.8834 ng/ml
a-hydroxyalprazolam	5.692	159223	599.23	59.3	2175.26	685266	26.6230 ng/ml
alpha-PHP	4.930	156677	1147.82	264.0	2252.43	1126944	26.8722 ng/ml
alpha-PVP	4.363	646102	590.70	52.9	1891.79	1126944	23.7320 ng/ml
Alprazolam	5.775	488062	825.26	109.8	1307.82	685266	24.6338 ng/ml
Amphetamine	3.063	1040946	571.62	50.9	2621.45	473991	26.0603 ng/ml
Benzoylcegonine	3.892	17879	1519.46	8.6	62.55	28412	24.3469 ng/ml
Buprenorphine	5.840	10847	213.56	16.8	7345.01	164012	2.3045 ng/ml
Bupropion	4.788	581022	775.01	61.1	570.69	792296	24.6046 ng/ml
Carisoprodol	5.724	463533	666407.58	59.1	369.17	957622	23.6027 ng/ml
Citalopram	5.212	350500	7920.34	41.2	5094.00	634361	23.9656 ng/ml
Clonazepam	5.612	535040	10837.21	32.2	460.94	288065	24.6122 ng/ml
Clonazepam	5.548	389100	663222.56	38.3	242489.10	288065	24.9614 ng/ml
Cocaine	4.257	540566	875.24	51.9	20413.46	1910107	24.0154 ng/ml
Codeine	2.566	72757	162.23	101.6	802.80	141125	26.0095 ng/ml
Cyclobenzaprine	5.615	275608	519.20	9.1	61269.42	467080	23.3033 ng/ml
Dextromethorphan	5.262	182446	995.78	82.7	10036.54	372253	24.3398 ng/ml
Dextrophan	4.111	174663	3824.18	202.3	438.96	809634	24.4787 ng/ml
Diazepam	5.953	296272	452.73	87.8	18476.70	566694	24.9928 ng/ml
Dihydrocodeine	2.545	185061	699.51	66.3	4160.01	437648	25.8570 ng/ml
Diphenhydramine	5.289	849852	499.10	33.5	204.93	2192675	23.7766 ng/ml
Doxylamine	4.536	1230236	35782.26	97.1	13175.20	2222451	24.3523 ng/ml
EDDP	5.254	482206	808.09	41.9	6581.52	1062052	23.3611 ng/ml
Etizolam	5.813	309529	11639.26	25.4	3683.61	288065	22.1673 ng/ml
Fentanyl	5.103	31186	413.31	66.8	114457.08	695071	2.3718 ng/ml
Flualprazolam	5.698	230557	3643.49	96.1	65455.92	685266	25.7392 ng/ml
Fluoxetine	5.700	352264	18864.61	8.7	44173.66	596690	24.3315 ng/ml
Hydrocodone	3.012	259733	323.75	40.5	71.15	610692	25.9646 ng/ml
Hydromorphone	1.601	239383	2008.74	79.0	2459.75	337361	24.2427 ng/ml
Ketamine	4.051	505095	6785.40	35.4	369.81	1001400	24.4148 ng/ml
Lamotrigine	4.280	45245	1200.74	80.6	982.24	1001400	26.5024 ng/ml
Levetiracetam	2.670	210519	1669.53	165.8	3944.99	2506104	22.9416 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	514575	2815.47	58.2	688.19	288065	26.3887 ng/ml
MDA	3.196	748225	2084.38	23.1	354.01	748999	26.8283 ng/ml
MDMA	3.290	458132	1454.53	76.4	3413.93	170412	23.8934 ng/ml
Meprobamate	4.917	264304	424.63	28.8	1951.40	452261	26.3514 ng/ml
Methadone	5.646	585756	592.54	50.5	3161.16	1054587	23.2441 ng/ml
Methamphetamine	3.231	734940	4227.63	37.4	517.36	1183931	26.0268 ng/ml
Metoprolol	4.326	118631	2650.79	94.1	2483.57	2272040	25.0630 ng/ml
Mirtazapine	4.624	577206	2129.50	52.1	5148.87	1126944	23.4680 ng/ml
Mitragynine	5.230	131689	284320.59	40.1	182796.72	1054587	25.6452 ng/ml
Morphine	1.240	36167	1297.72	36.9	3119.11	15373	25.5224 ng/ml
Norbuprenorphine	4.986	1479	2441.86	93.4	711.70	25537	2.4697 ng/ml
Nordiazepam	5.893	320253	840.96	56.4	184076.89	410568	25.1917 ng/ml
Norfentanyl	4.079	108433	18522.67	34.4	191.08	1966617	2.3353 ng/ml
Norhydrocodone	3.059	40614	101.68	40.6	135.15	124411	23.0075 ng/ml
Noroxycodone	2.903	281056	2240.24	42.5	2234.99	400842	24.1645 ng/ml
O-desmethyl-tramadol	3.369	1211668	67445.83	6.9	798.13	3021569	23.8941 ng/ml
Oxazepam	5.749	596528	4667.40	75.2	442.66	1078699	25.4123 ng/ml
Oxycodone	2.827	561335	1881.05	27.2	349.39	997349	24.8866 ng/ml
Oxymorphone	1.391	278282	401.89	42.5	1569.01	382727	24.9145 ng/ml
Phentermine	3.783	215619	857.15	4.1	36.49	977353	26.4758 ng/ml
Promethazine	5.532	628922	232870.66	28.0	329.49	1099107	24.1415 ng/ml
Pseudoephedrine	2.589	1243015	32918.97	16.2	21095.46	2506104	23.4534 ng/ml
Quetiapine	5.548	439625	17399.80	57.4	323924.23	245147	24.7157 ng/ml
Sertraline	5.769	158380	292.22	98.8	210517.76	269373	24.2815 ng/ml
Temazepam	5.816	981240	740.38	28.8	532.36	1929616	23.2347 ng/ml
Tramadol	4.246	1109198	42432.06	3.6	260.93	2272040	24.2801 ng/ml
Trazodone	5.163	458764	590136.56	81.3	34412.17	690596	24.6955 ng/ml
Venlafaxine	5.037	898894	19685.06	36.9	1976.08	1953129	23.5396 ng/ml
Zolpidem	4.914	1152050	631.58	31.1	40307.90	2397801	26.0094 ng/ml

AM #28 Multi-Drug Quant. Results

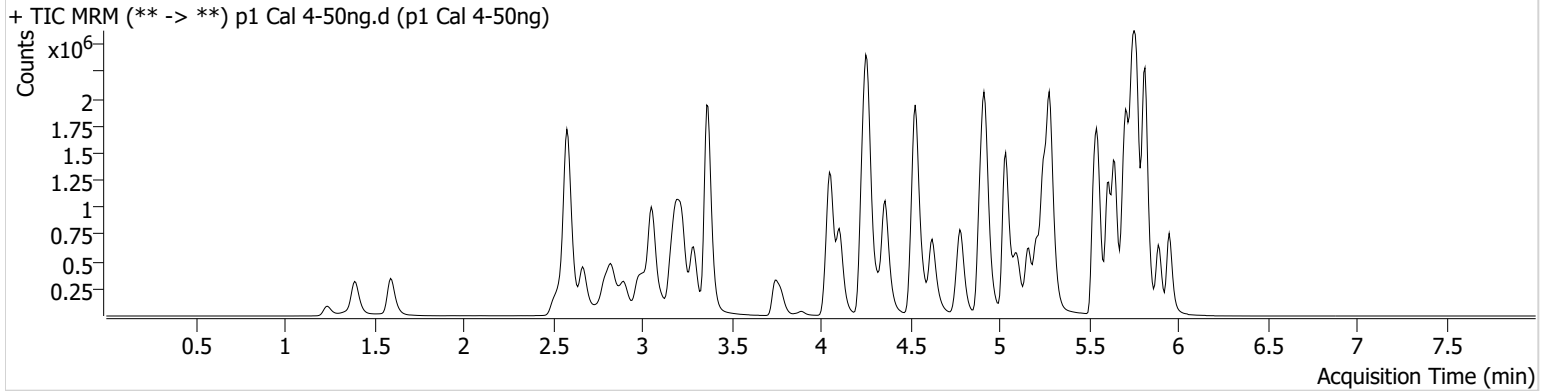
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Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-D1	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 1:12:48 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	27800	966.58	69.1	24113.99	155515	4.8818 ng/ml
7-aminoclonazepam	4.271	416628	271.46	77.2	12570.95	480415	47.8892 ng/ml
a-hydroxyalprazolam	5.692	308480	1137.42	56.2	354.16	665772	54.7530 ng/ml
alpha-PPH	4.930	287418	1771.32	269.6	4003.90	1064650	53.2559 ng/ml
alpha-PVP	4.363	1232957	876.21	52.8	6093.55	1064650	48.2922 ng/ml
Alprazolam	5.775	950012	3799.27	110.0	1538.51	665772	49.7635 ng/ml
Amphetamine	3.056	1930348	10567.09	50.3	1367.26	440845	53.4521 ng/ml
Benzoylecgonine	3.892	36853	250.13	8.3	37.41	30303	47.6826 ng/ml
Buprenorphine	5.840	21143	311.66	16.4	5507.01	156650	4.6957 ng/ml
Bupropion	4.788	1091650	1300.66	60.0	452.21	757897	48.9098 ng/ml
Carisoprodol	5.724	875094	925984.80	58.6	245.57	905817	47.0209 ng/ml
Citalopram	5.212	705451	27890.46	41.0	480.69	639293	48.3109 ng/ml
Clonazepam	5.612	1032897	28200.90	32.3	499408.09	273159	51.2811 ng/ml
Clonazepam	5.548	754144	806430.01	38.5	436418.87	273159	52.0705 ng/ml
Cocaine	4.257	1033231	9368.22	52.8	907.38	1835569	48.0262 ng/ml
Codeine	2.566	139107	3517.34	99.6	853.50	134212	53.8787 ng/ml
Cyclobenzaprine	5.615	580210	1984.21	9.1	180.99	469269	49.1130 ng/ml
Dextromethorphan	5.255	368434	441.67	80.2	287.00	377212	49.1133 ng/ml
Dextrophan	4.111	331532	4618.10	202.9	672.78	778960	48.6843 ng/ml
Diazepam	5.953	581474	644.26	88.1	20510.71	558034	50.5130 ng/ml
Dihydrocodeine	2.545	356459	14421.86	66.6	492.72	431514	51.8207 ng/ml
Diphenhydramine	5.289	1666022	24872.55	34.0	2673.14	2119575	48.4563 ng/ml
Doxylamine	4.529	2436983	3968.14	96.8	1948.70	2157240	50.3596 ng/ml
EDDP	5.254	962720	15917.96	41.7	5801.65	1018841	48.9755 ng/ml
Etizolam	5.813	595867	2236.32	24.8	257128.87	273159	44.6829 ng/ml
Fentanyl	5.103	65742	845.68	63.3	87685.92	707046	4.9501 ng/ml
Flualprazolam	5.698	437774	8536.99	98.9	74515.65	665772	51.4214 ng/ml
Fluoxetine	5.700	701284	2565257.23	8.6	25858.44	584338	50.3373 ng/ml
Hydrocodone	3.012	501562	7914.14	40.6	314.34	599052	52.4247 ng/ml
Hydromorphone	1.601	473447	1827737.72	78.1	9048.77	328404	49.8178 ng/ml
Ketamine	4.051	971324	949.31	36.5	1241.60	970254	49.3858 ng/ml
Lamotrigine	4.280	89356	1105.63	80.2	13984.04	970254	56.2157 ng/ml
Levetiracetam	2.670	425756	628.29	163.5	10922.00	2447032	47.8900 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	913885	6353.07	57.5	1224.83	273159	50.9612 ng/ml
MDA	3.196	1371228	5226.66	23.3	1554.59	712512	53.1238 ng/ml
MDMA	3.290	870008	4499.70	76.6	3356.37	159486	48.8851 ng/ml
Meprobamate	4.917	507325	15745.64	27.8	12558.37	442594	53.3428 ng/ml
Methadone	5.646	1174912	635.24	49.7	322.32	1056655	46.8824 ng/ml
Methamphetamine	3.231	1349986	893.06	37.9	1036.85	1126632	51.8042 ng/ml
Metoprolol	4.326	226635	2647.77	92.8	2979.83	2176707	51.1025 ng/ml
Mirtazapine	4.624	1135053	6174.83	52.5	2569.01	1064650	48.8837 ng/ml
Mitragynine	5.230	252893	369990.14	40.1	805.48	1056655	50.2723 ng/ml
Morphine	1.240	74060	355.32	36.9	∞	15246	53.4520 ng/ml
Norbuprenorphine	4.986	2766	1294.91	92.6	8770.70	24646	5.1365 ng/ml
Nordiazepam	5.900	626720	50771.70	55.5	439.10	401909	51.0840 ng/ml
Norfentanyl	4.079	204257	342.02	34.9	626.47	1880500	4.5908 ng/ml
Norhydrocodone	3.059	73380	78.10	42.0	109.90	113041	45.8868 ng/ml
Noroxycodone	2.903	530638	549.08	43.0	258.37	375829	49.3639 ng/ml
O-desmethyl-tramadol	3.369	2384600	37979.41	6.7	616.18	2922933	49.0177 ng/ml
Oxazepam	5.749	1117779	588.36	73.1	259.13	1017519	51.3825 ng/ml
Oxycodone	2.827	1077720	2322.66	27.5	1151.97	976713	49.4819 ng/ml
Oxymorphone	1.391	548112	∞	42.8	326.67	382640	49.8899 ng/ml
Phentermine	3.783	403840	1989.94	4.0	77.35	909105	54.9787 ng/ml
Promethazine	5.532	1301978	23503.97	28.8	1028.65	1151446	48.0144 ng/ml
Pseudoephedrine	2.589	2410371	24828.79	16.0	729.89	2447032	46.7399 ng/ml
Quetiapine	5.548	871579	389.18	59.2	739.06	244098	49.9132 ng/ml
Sertraline	5.769	320673	1288.86	97.0	473.76	273632	49.1753 ng/ml
Temazepam	5.816	1877669	1271.20	29.0	411.65	1822509	47.2000 ng/ml
Tramadol	4.246	2168710	33528.28	3.6	413.12	2176707	50.5701 ng/ml
Trazodone	5.163	938123	3792118.03	80.8	32603.13	697520	50.8677 ng/ml
Venlafaxine	5.037	1746160	5733.38	36.7	674.46	1844584	48.5656 ng/ml
Zolpidem	4.914	2264613	1663.62	30.6	47095.67	2434845	51.3146 ng/ml

AM #28 Multi-Drug Quant. Results

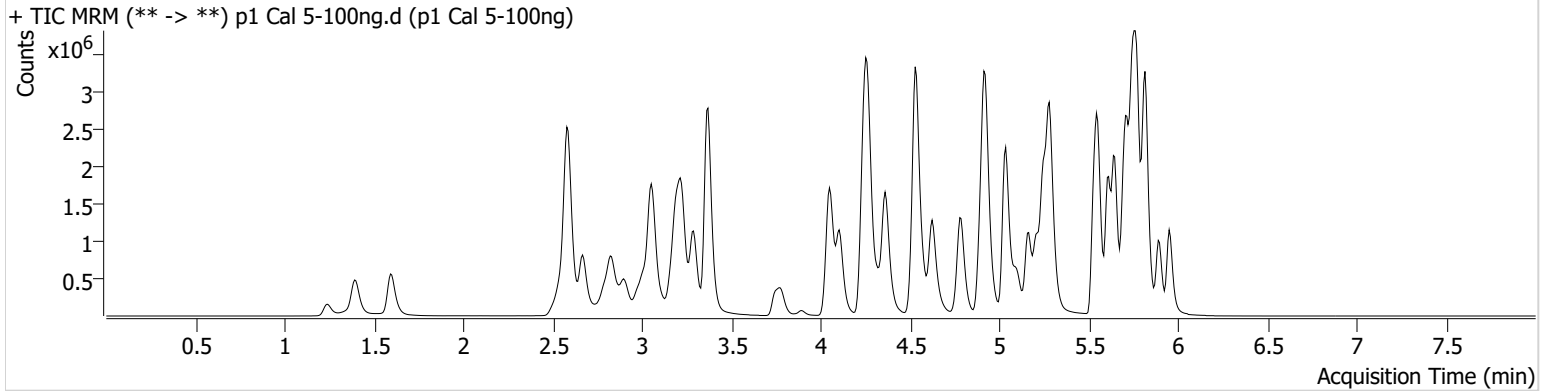
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Batch results C:\Users\agerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-E1	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 1:23:24 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	54691	586.46	68.1	2080.14	149790	9.9763 ng/ml
7-aminoclonazepam	4.271	757101	2032.00	75.6	8464.72	430623	97.4592 ng/ml
a-hydroxyalprazolam	5.692	504376	1451.28	56.8	776.86	606270	99.6406 ng/ml
alpha-PHP	4.930	528762	3011.00	263.8	9594.80	1014228	103.9086 ng/ml
alpha-PVP	4.363	2335164	38403.36	52.2	22126.26	1014228	96.3538 ng/ml
Alprazolam	5.775	1718725	1206.73	111.5	∞	606270	99.2690 ng/ml
Amphetamine	3.056	3575590	43406.76	50.0	2234.86	430453	102.7464 ng/ml
Benzoylecgonine	3.892	72510	2903.49	8.0	77.31	29843	95.9384 ng/ml
Buprenorphine	5.840	37735	5664.27	14.1	6952.37	138937	9.4420 ng/ml
Bupropion	4.788	2061240	44389.36	60.8	1198.12	722008	97.5359 ng/ml
Carisoprodol	5.724	1536358	41051.43	57.1	9359.49	768226	97.2446 ng/ml
Citalopram	5.212	1274147	14102.28	40.6	452.66	573010	97.8055 ng/ml
Clonazepam	5.612	1854716	62481.40	31.2	1056.37	247514	102.7365 ng/ml
Clonazepam	5.548	1395363	2234770.14	37.1	772769.61	247514	107.3753 ng/ml
Cocaine	4.257	1967239	50079.23	51.7	15443.28	1723077	97.6798 ng/ml
Codeine	2.566	253379	416.49	97.0	209.56	127722	104.5616 ng/ml
Cyclobenzaprine	5.615	1018036	419713.49	9.1	6201.01	415246	97.6392 ng/ml
Dextromethorphan	5.255	650557	3524.27	81.0	9515.64	332057	99.1293 ng/ml
Dextrophan	4.105	618216	82493.96	205.7	1575.06	720221	98.5956 ng/ml
Diazepam	5.953	1071063	601.84	87.9	1460.61	522666	100.0210 ng/ml
Dihydrocodeine	2.538	685457	2457.39	66.1	817.31	416651	104.5640 ng/ml
Diphenhydramine	5.282	3041491	3076.88	33.4	779.91	1938180	96.9718 ng/ml
Doxylamine	4.529	4720285	5093.34	95.9	47622.83	2056762	102.9644 ng/ml
EDDP	5.248	1687071	403.08	41.8	1561.42	914726	95.9078 ng/ml
Etizolam	5.813	1110616	8902.81	24.7	28941.31	247514	91.5840 ng/ml
Fentanyl	5.103	119113	1798.15	64.9	493744.64	640837	9.9278 ng/ml
Flualprazolam	5.698	786514	19379.40	99.1	1219.27	606270	102.5913 ng/ml
Fluoxetine	5.700	1112972	435.31	8.5	4466.75	475951	98.8833 ng/ml
Hydrocodone	3.012	947028	231.16	40.4	336.16	582710	103.0361 ng/ml
Hydromorphone	1.601	902464	4206809.01	78.1	6125.55	314666	99.6470 ng/ml
Ketamine	4.051	1859597	2413.67	36.3	4723.14	931697	99.3977 ng/ml
Lamotrigine	4.280	163029	4507.72	80.4	984.58	931697	108.7123 ng/ml
Levetiracetam	2.670	788035	3378.64	165.0	6493.22	2289400	95.0835 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1441630	3529.95	57.5	2649.60	247514	90.0242 ng/ml
MDA	3.196	2452384	4605.59	23.5	1845.28	649886	105.6580 ng/ml
MDMA	3.290	1639077	10359.92	76.3	2616.13	152819	96.4941 ng/ml
Meprobamate	4.917	846568	30542.62	28.1	12865.19	399704	100.0255 ng/ml
Methadone	5.646	2171605	43638.21	49.0	2327.64	938530	97.9378 ng/ml
Methamphetamine	3.224	2645388	4882.83	37.3	1165.29	1094953	106.1606 ng/ml
Metoprolol	4.326	426421	578716.52	92.6	5248.94	2079523	101.7412 ng/ml
Mirtazapine	4.624	2079425	6318.51	51.9	7654.66	1014228	94.0372 ng/ml
Mitragynine	5.230	439625	5770.11	39.2	223840.91	938530	99.5613 ng/ml
Morphine	1.240	136989	738.08	38.3	879.81	15149	100.1106 ng/ml
Norbuprenorphine	4.986	4813	5746.05	96.8	33341.14	22529	10.1138 ng/ml
Nordiazepam	5.900	1138920	∞	55.4	960.40	375179	100.1328 ng/ml
Norfentanyl	4.079	385669	35969.86	34.4	1108.17	1752733	9.2898 ng/ml
Norhydrocodone	3.059	133490	394.55	41.0	97.04	100649	93.8969 ng/ml
Noroxycodone	2.903	975309	2859.68	42.3	2474.71	339992	101.0111 ng/ml
O-desmethyl-tramadol	3.369	4678645	97102.01	6.6	795.55	2821148	100.0496 ng/ml
Oxazepam	5.749	1858810	5343.26	73.0	8408.96	842319	104.1414 ng/ml
Oxycodone	2.827	2093368	510.42	27.3	1193.33	952570	99.2643 ng/ml
Oxymorphone	1.398	999124	∞	44.3	∞	347087	101.0964 ng/ml
Phentermine	3.783	750796	379.21	4.0	369.13	878756	107.2636 ng/ml
Promethazine	5.532	2298887	2358.51	27.4	13083.51	991019	98.8355 ng/ml
Pseudoephedrine	2.589	4622991	1407.76	15.8	722.87	2289400	95.9911 ng/ml
Quetiapine	5.548	1574694	25883.02	58.5	902.79	222002	99.8541 ng/ml
Sertraline	5.769	517364	21686.19	98.3	9389.45	224753	97.3470 ng/ml
Temazepam	5.816	3268296	1160.66	28.6	259.05	1587076	94.4670 ng/ml
Tramadol	4.246	4110889	70993.19	3.6	1569.35	2079523	101.3006 ng/ml
Trazodone	5.163	1722925	56207.22	80.7	6399.87	653474	100.5334 ng/ml
Venlafaxine	5.037	3331934	1968.81	36.5	786.80	1766100	96.9271 ng/ml
Zolpidem	4.914	4352720	141843.41	29.9	784.77	2316653	104.7136 ng/ml

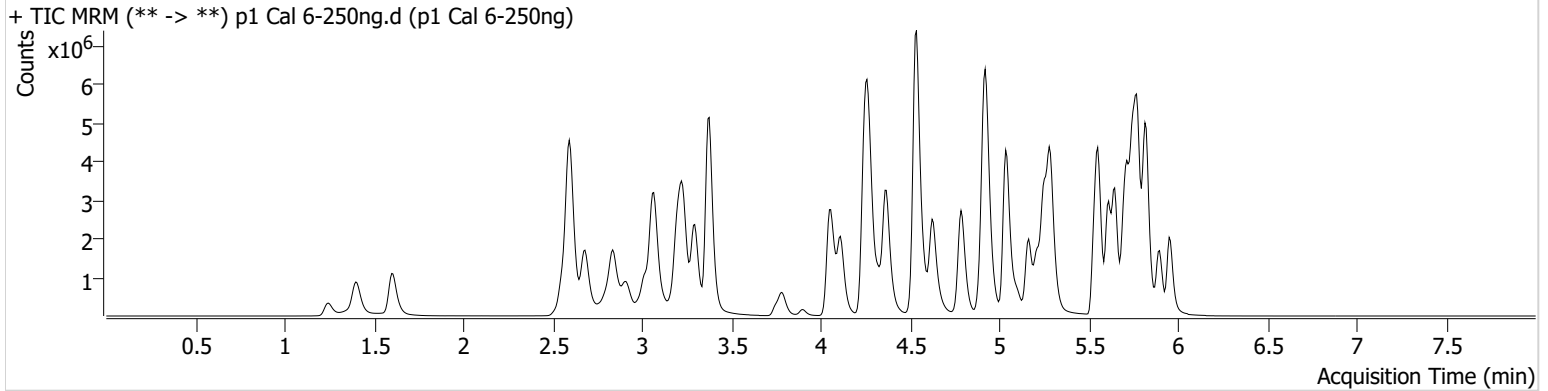
AM #28 Multi-Drug Quant. Results



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Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-F1	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 1:34:00 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	132446	2424.33	67.9	4086.60	143851	25.1651 ng/ml
7-aminoclonazepam	4.278	1493971	12456.42	77.5	11324.46	331348	250.5004 ng/ml
a-hydroxyalprazolam	5.692	833195	357.93	56.8	513.30	489771	205.5000 ng/ml
alpha-PHP	4.937	1111707	40706.17	270.8	30404.34	892589	249.8225 ng/ml
alpha-PVP	4.370	5353424	∞	51.9	21918.71	892589	251.5542 ng/ml
Alprazolam	5.775	3574578	∞	113.1	1570.00	489771	256.2104 ng/ml
Amphetamine	3.069	6794995	1810.93	49.0	2391.58	346276	244.7684 ng/ml
Benzoylecgonine	3.899	184005	408.33	7.6	2192.37	29115	250.6268 ng/ml
Buprenorphine	5.840	65717	589.84	14.0	44933.17	91405	24.9833 ng/ml
Bupropion	4.788	4607004	55922.76	60.8	1478.95	629136	251.1270 ng/ml
Carisoprodol	5.724	2753705	81153.87	57.4	9910.39	546613	244.8310 ng/ml
Citalopram	5.212	2330883	1185.65	40.0	60063.02	414953	247.7589 ng/ml
Clonazepam	5.612	3594576	62711.90	31.2	53674.87	195014	254.3697 ng/ml
Clonazepam	5.548	2747514	34589.16	37.7	2197139.80	195014	269.8532 ng/ml
Cocaine	4.264	4298633	55977.58	52.0	45731.07	1490025	247.2256 ng/ml
Codeine	2.573	503460	980.06	99.3	6095.36	112035	238.8408 ng/ml
Cyclobenzaprine	5.615	1558438	34394.57	9.1	519.66	252569	246.1331 ng/ml
Dextromethorphan	5.262	1082019	1808.01	82.2	1295.62	223156	246.2347 ng/ml
Dextrophan	4.111	1357212	8645.18	209.5	297119.41	638061	244.9195 ng/ml
Diazepam	5.953	2229010	∞	88.6	727.12	440524	248.0046 ng/ml
Dihydrocodeine	2.552	1514036	2362.09	68.1	4593.65	393563	246.3457 ng/ml
Diphenhydramine	5.289	5679419	157971.94	33.0	16122.83	1394328	252.0744 ng/ml
Doxylamine	4.536	11234103	245411.29	96.2	225161.06	1917023	263.9019 ng/ml
EDDP	5.254	3695180	44973.08	41.8	23969.39	781229	246.4792 ng/ml
Etizolam	5.813	2301979	40012.79	25.1	9861.41	195014	240.4250 ng/ml
Fentanyl	5.103	200722	11379.34	63.1	862.65	432523	24.8358 ng/ml
Flualprazolam	5.705	1605368	646.50	100.0	131493.31	489771	260.9977 ng/ml
Fluoxetine	5.700	1355361	24237.24	8.5	285243.84	231503	248.8438 ng/ml
Hydrocodone	3.018	2109866	263.70	40.4	604.62	529760	254.4593 ng/ml
Hydromorphone	1.608	2034076	24467.68	78.4	8758.08	285776	248.1102 ng/ml
Ketamine	4.051	4389801	716716.10	35.4	10618.36	855682	256.9638 ng/ml
Lamotrigine	4.287	321614	12768.63	80.8	454.87	855682	235.9403 ng/ml
Levetiracetam	2.683	1782447	3832.77	163.7	16253.07	1946756	253.4992 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	5.740	1970897	8370.75	57.2	1469.62	195014	157.5033 ng/ml
MDA	3.203	4790715	12862.31	22.7	4082.77	529801	255.3545 ng/ml
MDMA	3.296	3630330	3706.14	75.3	10318.91	130776	250.3675 ng/ml
Meprobamate	4.924	1496918	33725.61	27.8	4963.36	328295	217.3254 ng/ml
Methadone	5.646	3798838	1108.79	48.9	152563.92	630669	255.5180 ng/ml
Methamphetamine	3.231	5218799	5407.64	36.7	1714.18	921697	251.0614 ng/ml
Metoprolol	4.326	939415	2190654.85	92.5	36908.49	1810969	259.1064 ng/ml
Mirtazapine	4.624	4088278	57385.18	51.4	7333.84	892589	210.1176 ng/ml
Mitragynine	5.230	749262	2091.35	39.1	5084.53	630669	254.3930 ng/ml
Morphine	1.247	321054	10644.66	37.9	1453.87	14166	251.9537 ng/ml
Norbuprenorphine	4.992	8614	34146.56	97.1	1299.87	17156	24.2726 ng/ml
Nordiazepam	5.900	2238028	60177.54	55.3	859.28	296030	250.4520 ng/ml
Norfentanyl	4.086	859681	1564.44	34.6	1066.85	1495186	24.2581 ng/ml
Norhydrocodone	3.066	277730	285.30	42.2	178.47	80223	245.3168 ng/ml
Noroxycodone	2.909	1938490	3504.68	42.8	855.53	273999	250.1397 ng/ml
O-desmethyl-tramadol	3.376	11239440	97391.60	6.4	19517.44	2569614	264.5183 ng/ml
Oxazepam	5.749	2902529	30154.79	72.6	4156.34	536750	256.5192 ng/ml
Oxycodone	2.834	4958712	2352.38	27.2	2795.85	884278	254.4113 ng/ml
Oxymorphone	1.398	2195073	∞	43.0	∞	306202	253.0039 ng/ml
Phentermine	3.790	1536506	879.28	3.9	111.89	768506	253.2133 ng/ml
Promethazine	5.532	3530149	102247.09	27.8	3134.18	599596	251.3353 ng/ml
Pseudoephedrine	2.596	10464674	3186.72	15.4	1128.00	1946756	255.8055 ng/ml
Quetiapine	5.548	2840160	760.39	57.9	510.79	162908	246.4631 ng/ml
Sertraline	5.769	650323	13637.14	97.4	30949.90	111835	247.1088 ng/ml
Temazepam	5.823	6072300	150263.69	27.9	783.76	1118241	249.3012 ng/ml
Tramadol	4.246	9363149	517.23	3.5	819.97	1810969	266.5224 ng/ml
Trazodone	5.163	3044577	1016.15	82.4	73255.15	465332	250.7373 ng/ml
Venlafaxine	5.037	7781878	21698.28	35.6	871.72	1562160	256.1598 ng/ml
Zolpidem	4.914	10056410	17278.90	29.1	6775.99	2146528	262.6421 ng/ml

AM #28 Multi-Drug Quant. Results

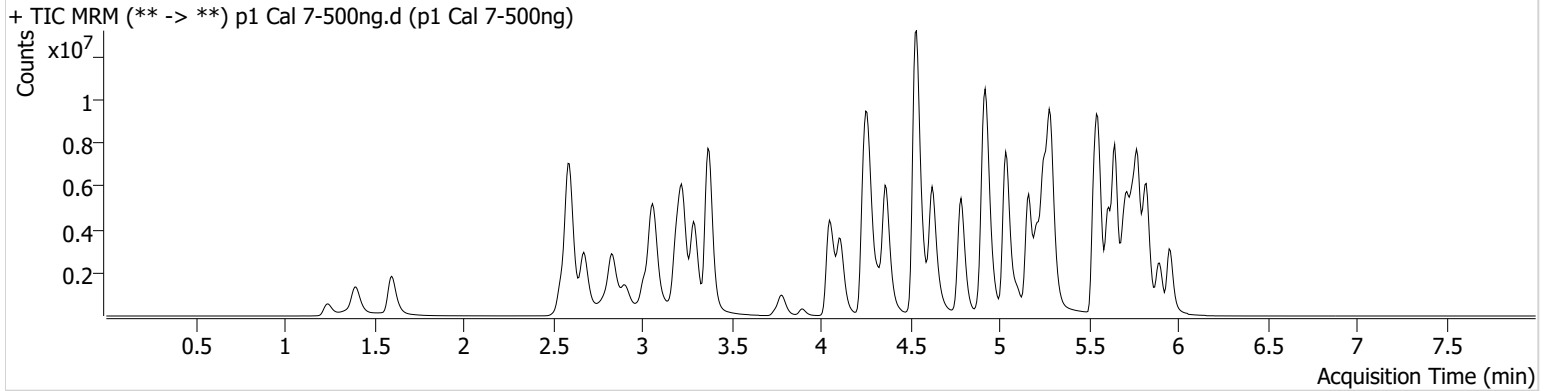
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Batch results C:\Users\agerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-G1	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 1:44:36 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	260823	767.65	69.5	1649.77	138632	51.4284 ng/ml
7-aminoclonazepam	4.278	2084635	8393.13	76.1	1445.34	220023	526.7942 ng/ml
a-hydroxyalprazolam	5.685	982776	763.56	57.0	232.05	374273	318.1027 ng/ml
alpha-PHP	4.937	2027345	34795.09	274.9	180452.23	834855	488.1747 ng/ml
alpha-PVP	4.370	10594636	164476.15	51.5	86964.70	834855	532.6510 ng/ml
Alprazolam	5.775	5390375	2434.44	111.6	6813.08	374273	505.9837 ng/ml
Amphetamine	3.063	11738419	16469.43	48.7	3867.21	334819	438.4887 ng/ml
Benzoylcegonine	3.892	367496	2488.04	7.7	1681.95	28078	519.7687 ng/ml
Buprenorphine	5.840	176155	121372.04	14.7	26352.65	103286	59.2543 ng/ml
Bupropion	4.788	9556109	282597.80	59.9	6679.38	627288	523.0902 ng/ml
Carisoprodol	5.724	3662204	71281.34	57.2	21601.21	337502	527.2444 ng/ml
Citalopram	5.212	5873805	41684.04	38.8	283.77	487537	531.9112 ng/ml
Clonazepam	5.612	4721555	96584.54	31.0	37125.06	140337	465.2334 ng/ml
Clonazepam	5.555	3610993	153345.50	37.5	1442263.25	140337	493.6743 ng/ml
Cocaine	4.264	8231720	986.68	50.6	685156.59	1347170	523.9237 ng/ml
Codeine	2.566	823978	1003.53	96.9	6984.74	98199	447.3329 ng/ml
Cyclobenzaprine	5.615	4598688	128977.88	8.9	423.29	354552	517.6703 ng/ml
Dextromethorphan	5.262	2602881	166808.05	79.5	603.00	254820	519.4120 ng/ml
Dextrophan	4.111	2743100	901.43	206.2	47281.88	609841	518.3686 ng/ml
Diazepam	5.960	3749830	21766.91	90.6	78267.22	360970	509.9068 ng/ml
Dihydrocodeine	2.545	2688287	483.01	67.6	2854.65	385866	447.2428 ng/ml
Diphenhydramine	5.289	14350518	995.93	32.1	36596.63	1647853	539.2016 ng/ml
Doxylamine	4.540	22197305	328111.42	97.2	28464.62	1907085	524.7844 ng/ml
EDDP	5.254	8398766	81943.43	40.4	58933.76	832514	526.0853 ng/ml
Etizolam	5.813	3893501	51223.38	24.7	642160.58	140337	564.6643 ng/ml
Fentanyl	5.103	590995	16650.71	65.7	238.68	621812	50.8990 ng/ml
Flualprazolam	5.705	2274621	28083.39	103.4	23111.06	374273	484.9223 ng/ml
Fluoxetine	5.700	3522463	34403.80	8.0	10239.66	292161	513.3476 ng/ml
Hydrocodone	3.012	3819981	249.17	41.0	322.33	510553	479.2279 ng/ml
Hydromorphone	1.601	3791155	17990120.22	78.5	10119143.6	256056	516.6967 ng/ml
Ketamine	4.051	8281900	48236.74	34.7	12753.54	808759	513.8595 ng/ml
Lamotrigine	4.287	513589	5342.37	80.6	24328.54	808759	400.0939 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.676	3079762	6475.32	165.5	18136.40	1640365	520.1795 ng/ml
Lorazepam	5.740	1974034	47395.12	58.5	1050.80	140337	219.9071 ng/ml
MDA	3.196	7661378	15516.35	22.5	4593.16	452051	479.9616 ng/ml
MDMA	3.290	6985894	108227.97	76.4	7044.85	119836	526.1985 ng/ml
Meprobamate	4.924	1875324	84057.86	28.2	16474.06	258603	346.6537 ng/ml
Methadone	5.646	10505146	68270.58	48.2	2647.73	821951	542.5537 ng/ml
Methamphetamine	3.231	10602181	42168.66	35.4	2968.59	945289	498.9613 ng/ml
Metoprolol	4.326	1655732	2189.01	93.3	1374.88	1641213	504.9834 ng/ml
Mirtazapine	4.624	10320888	22973.36	50.8	137696.10	834855	567.1803 ng/ml
Mitragynine	5.230	1954927	4073.65	39.5	73624.23	821951	510.5059 ng/ml
Morphine	1.240	578707	1983.69	37.9	377.27	13275	485.2928 ng/ml
Norbuprenorphine	4.986	22037	532.57	100.9	1143.26	21182	50.6920 ng/ml
Nordiazepam	5.900	3521542	32448.68	55.3	1811.17	234171	498.9053 ng/ml
Norfentanyl	4.079	1639832	36319.15	33.8	9839.73	1286149	53.7805 ng/ml
Norhydrocodone	3.059	536603	187.29	42.1	334.08	68250	557.3043 ng/ml
Noroxycodone	2.909	3165261	864.73	42.8	12477.15	218315	513.3484 ng/ml
O-desmethyl-tramadol	3.369	19900578	∞	6.5	31052.63	2261072	532.6658 ng/ml
Oxazepam	5.749	2948735	13492.48	71.9	6080.42	284604	492.3227 ng/ml
Oxycodone	2.827	9383458	22929.10	26.6	6082.79	828278	514.7114 ng/ml
Oxymorphone	1.398	3958818	∞	42.7	∞	277357	504.5714 ng/ml
Phentermine	3.783	2761495	∞	3.8	2330.60	739028	474.6722 ng/ml
Promethazine	5.532	11225905	8036.20	27.1	6163.48	892291	537.4332 ng/ml
Pseudoephedrine	2.596	18417480	124545.83	15.1	36370.16	1640365	534.4801 ng/ml
Quetiapine	5.548	7239968	390762.15	57.4	45486.53	201062	509.8044 ng/ml
Sertraline	5.769	1672066	870.26	98.0	33455.07	134816	527.9331 ng/ml
Temazepam	5.823	7904950	48811.99	27.4	13278.82	695087	522.2494 ng/ml
Tramadol	4.246	16426933	2260.56	3.5	791.44	1641213	516.8736 ng/ml
Trazodone	5.163	8902963	14120.40	81.0	771.97	648219	527.2747 ng/ml
Venlafaxine	5.037	15301754	93898.32	35.1	22349.08	1473557	534.1329 ng/ml
Zolpidem	4.914	19018208	6860.25	29.3	151165.83	2093607	510.2199 ng/ml

AM #28 Multi-Drug Quant. Results

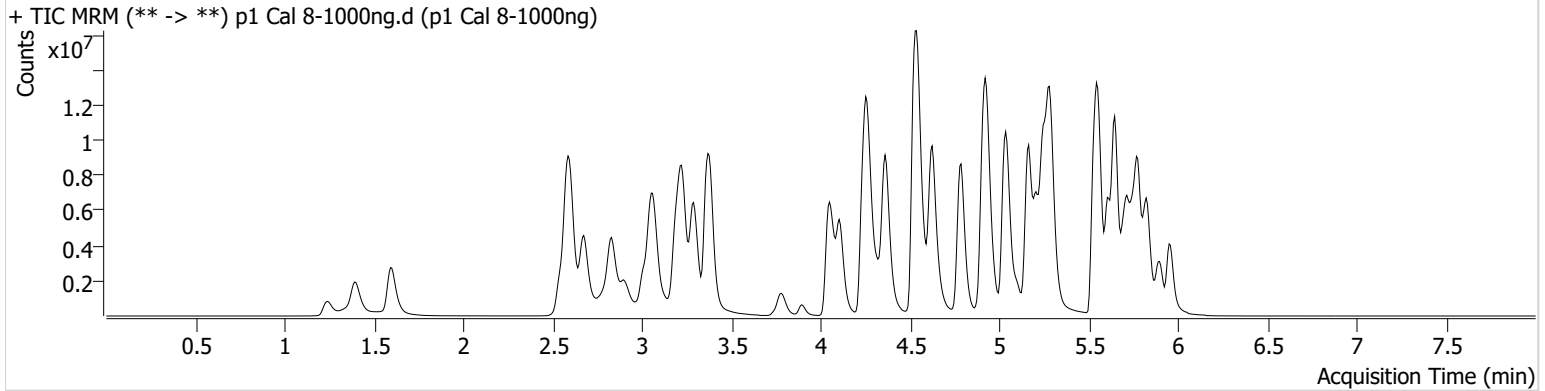
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Batch results C:\Users\agerheart\Desktop\082421 AM 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 8/26/2021 1:09:14 PM

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	P6-H1	Comment	
Injection Volume	2		
Acq. Date-Time	8/24/2021 1:55:12 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	446972	1103.89	69.0	2484.13	114772	106.4602 ng/ml
7-aminoclonazepam	4.278	2345447	56403.17	75.4	6192.47	124100	1051.1932 ng/ml
a-hydroxyalprazolam	5.685	1089497	848.85	57.9	923.44	256932	514.7273 ng/ml
alpha-PHP	4.937	2821325	1283.18	278.6	92738.70	689792	823.0117 ng/ml
alpha-PVP	4.363	17108611	59465.02	51.6	1684.95	689792	1041.3645 ng/ml
Alprazolam	5.775	7263818	3660.21	110.2	1750.28	256932	993.6283 ng/ml
Amphetamine	3.063	16578160	57841.92	48.5	55507.35	278391	745.8490 ng/ml
Benzoylcegonine	3.892	730310	614493.33	8.1	4805.25	27102	1070.8260 ng/ml
Buprenorphine	5.840	297170	16323.87	14.5	61583.66	78859	130.9170 ng/ml
Bupropion	4.788	15998237	2232049.47	60.4	1622.62	546074	1006.5244 ng/ml
Carisoprodol	5.724	4315998	400677.61	56.5	8220.51	190504	1100.7453 ng/ml
Citalopram	5.205	9096178	78961.43	39.3	2849.65	389698	1030.9444 ng/ml
Clonazepam	5.605	5450415	169650.32	30.5	249.30	93619	805.8739 ng/ml
Clonazepam	5.555	4063764	136867.32	37.4	1261364.44	93619	833.5047 ng/ml
Cocaine	4.257	12205068	795.39	50.1	822.42	996573	1050.3640 ng/ml
Codeine	2.566	1039306	216.32	98.5	13508.29	76041	729.6334 ng/ml
Cyclobenzaprine	5.615	7478445	5955.16	8.5	1531.57	279504	1068.1568 ng/ml
Dextromethorphan	5.255	3686804	54085.57	80.2	65774.05	182827	1026.0130 ng/ml
Dextrophan	4.111	4198537	6381.50	209.7	3184.85	461380	1049.1151 ng/ml
Diazepam	5.960	5472831	∞	88.2	12241.99	276655	971.6447 ng/ml
Dihydrocodeine	2.545	4054684	909.19	68.7	37309.82	346662	751.7843 ng/ml
Diphenhydramine	5.289	20689232	3202.94	34.4	31917.81	1244923	1029.1832 ng/ml
Doxylamine	4.536	32112192	18506.98	97.3	5273.48	1643707	881.2698 ng/ml
EDDP	5.248	13614483	107805.67	39.8	126260.89	662923	1071.2942 ng/ml
Etizolam	5.813	5511615	40204.10	24.6	25047.07	93619	1197.8651 ng/ml
Fentanyl	5.103	1083024	900.18	65.9	31236.24	562003	103.2345 ng/ml
Flualprazolam	5.705	2922384	15464.34	104.8	4474.20	256932	908.5695 ng/ml
Fluoxetine	5.700	4544000	25932.48	8.4	784465.25	193553	1000.4010 ng/ml
Hydrocodone	3.012	6069996	866.46	40.4	322.11	434137	896.7126 ng/ml
Hydromorphone	1.595	5953880	7109.93	78.8	19956648.6	207941	999.7270 ng/ml
Ketamine	4.051	13573484	153339.70	34.5	37702.26	699009	975.2539 ng/ml
Lamotrigine	4.280	666033	3665.95	75.1	3766.08	699009	601.3714 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.676	4880306	4858.12	167.4	26288.21	1220532	1108.2268 ng/ml
Lorazepam	5.740	1990211	39860.20	57.8	12237.29	93619	333.2455 ng/ml
MDA	3.189	10140327	4018.65	21.8	1389.51	344676	834.3010 ng/ml
MDMA	3.290	10811742	101552.52	73.5	8523.36	93915	1039.5196 ng/ml
Meprobamate	4.911	2037075	64193.00	28.4	35230.54	206109	473.0838 ng/ml
Methadone	5.646	15997567	78127.81	52.2	138464.25	653373	1039.7118 ng/ml
Methamphetamine	3.224	16857316	3025.59	35.2	8209.99	877033	856.2853 ng/ml
Metoprolol	4.326	2405551	20502.93	92.7	1426.97	1319391	913.5399 ng/ml
Mirtazapine	4.624	17186144	113950.04	51.9	77543.89	689792	1143.1094 ng/ml
Mitragynine	5.230	2900710	12227.19	39.0	10552.65	653373	953.9847 ng/ml
Morphine	1.240	908276	395.07	37.2	∞	10804	936.5456 ng/ml
Norbuprenorphine	4.986	37937	103.17	95.5	2229.16	18748	98.9446 ng/ml
Nordiazepam	5.900	4836537	1242.23	54.2	932.53	164687	974.9947 ng/ml
Norfentanyl	4.079	2521781	52825.46	33.8	3675.88	912459	116.5645 ng/ml
Norhydrocodone	3.059	865679	868.50	42.0	362.95	55529	1105.1844 ng/ml
Noroxycodone	2.903	4424132	4503.60	42.8	38971.37	155950	1005.1135 ng/ml
O-desmethyl-tramadol	3.376	27850498	99843.79	7.3	1433.72	1799881	936.7650 ng/ml
Oxazepam	5.749	2691516	4687.24	73.3	7934.91	140964	908.0557 ng/ml
Oxycodone	2.827	15331032	∞	26.5	3401.90	722397	964.8412 ng/ml
Oxymorphone	1.391	6104634	∞	42.5	∞	223853	964.7924 ng/ml
Phentermine	3.783	4117637	180955.21	3.8	356.87	645521	811.4681 ng/ml
Promethazine	5.532	17424367	8342.32	28.8	115003.74	747717	995.7425 ng/ml
Pseudoephedrine	2.595	27266788	89962.72	15.5	119542.91	1220532	1063.6373 ng/ml
Quetiapine	5.548	11537785	1900.98	58.3	136581.07	162497	1005.9369 ng/ml
Sertraline	5.769	2233226	12937.33	98.1	586251.57	94385	1007.8666 ng/ml
Temazepam	5.830	8790824	107133.10	27.8	941.69	355188	1136.6952 ng/ml
Tramadol	4.239	22945896	1940.99	3.7	1537.49	1319391	898.8209 ng/ml
Trazodone	5.163	15330448	82940.93	83.4	109225.00	630367	934.3067 ng/ml
Venlafaxine	5.037	23230884	1575.30	37.8	128927.11	1174606	1017.4253 ng/ml
Zolpidem	4.914	26711705	7460.34	32.4	1314.37	1837680	817.0408 ng/ml