

REVIEWED

By Tamara Salazar at 11:30 am, Jul 20, 2021



7/12/2021

Worklist: 5101

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-0310	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0928	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2473	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2636	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2700	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2777	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2781	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2828	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2082	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2086	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2088	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2133	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2135	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2136	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2139	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2165	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2174	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2185	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2189	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2197	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2198	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 5101

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-2199	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2021-2204	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 7/12/2021

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: 20L20723

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.

mitragynine 5-250 ng/mL

COMMENTS: *Calibration Curve Range:* alpha-hydroxyalprazolam 5-250 ng/mL, buprenorphine 2.5-100 ng/mL, codeine 5-500 ng/mL, etizolam 5-500 ng/mL, fentanyl 2.5-100 ng/mL, lamotrigine 5-250 ng/mL, lorazepam 5-100 ng/mL, meprobamate 5-250 ng/mL, mirtazapine 5-250 ng/mL, norbuprenorphine 2.5-100 ng/mL, norfentanyl 0.5-50 ng/mL
Qualitative only: alpha-hydroxyalprazolam and hydromorphone due to no matched internal standard; dextromethorphan, methadone, quetiapine, and trazadone due to accuracy not meeting requirements

Cyclobenzaprine, fluoxetine, and sertraline not evaluated due to interfering peaks.

QC 10 reinjected due to accuracies not meeting requirements for some compounds. Please refer to reinjection data.

AK

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2021-2473-1	P2021-2088-1	IS + Cal. 1	IS + QC_1	P2021-2189-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2021-2636-1	P2021-2133-1	IS + Cal. 2	IS + QC_2	P2021-2197-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	M2021-2700-2	P2021-2135-1	IS + Cal. 3	IS + QC_3	P2021-2198-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	M2021-2777-2	P2021-2136-1	IS + Cal. 4	IS + QC_4	P2021-2199-1	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	M2021-2781-2	P2021-2139-1	IS + Cal. 5	IS + QC_2	P2021-2204-1	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Negative Blood	M2021-2828-3	P2021-2165-1	IS + Cal. 6	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2021-0310-2	P2021-2082-1	P2021-2174-1	IS + Cal. 7	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2021-0928-1	P2021-2086-1	P2021-2185-1	IS + Cal. 8	IS + Sample	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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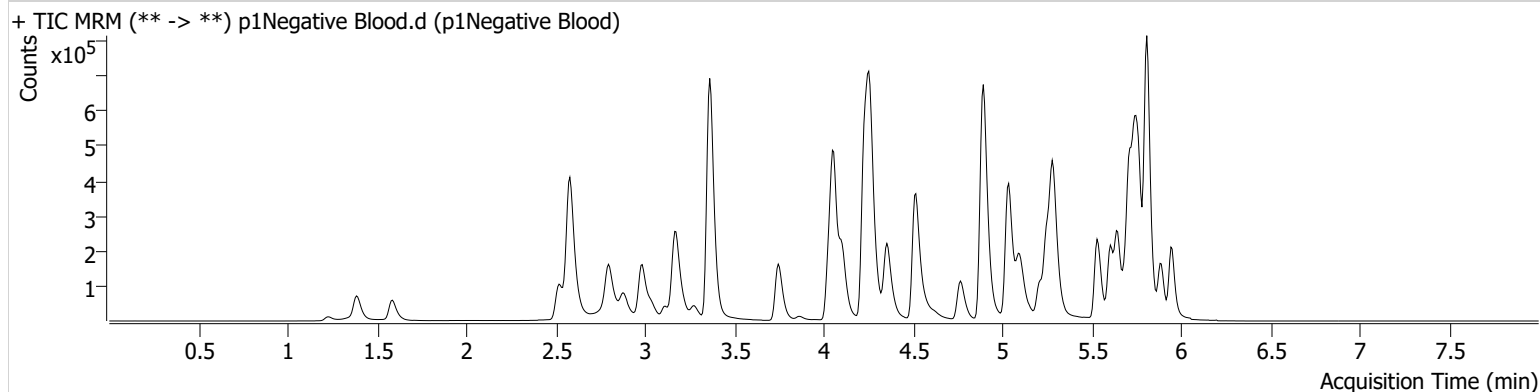


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

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	7/13/2021 12:10:34 AM		
Sample Info.			

Sample Chromatogram



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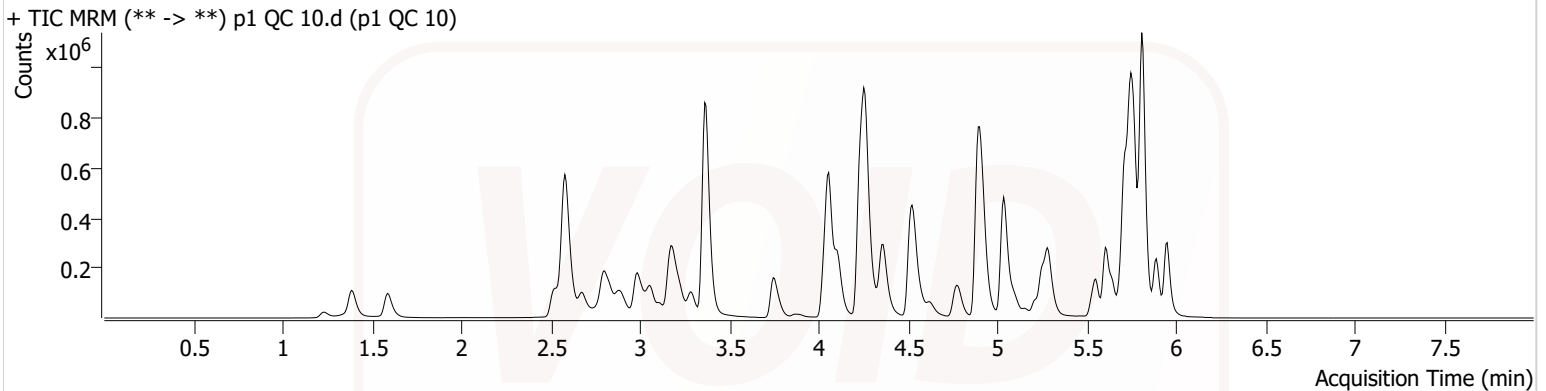


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-A2	Comment	Reinjected due to accuracies not meeting requirements for some compounds. Please refer to the reinject data.
Injection Volume	2		
Acq. Date-Time	7/12/2021 10:45:40 PM		
Sample Info.			

Sample Chromatogram



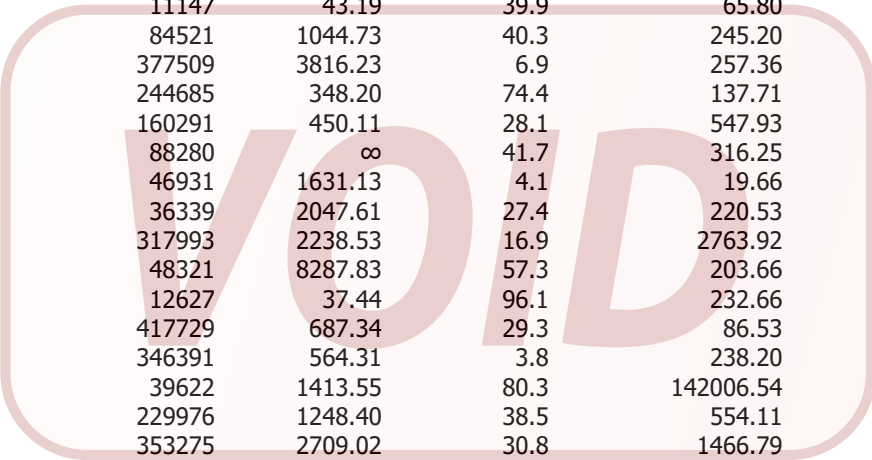
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	3836	1055.62	80.8	6465.58	100111	1.0197 ng/ml
7-aminoclonazepam	4.271	48559	57.91	78.3	321.41	254209	10.7088 ng/ml
a-hydroxyalprazolam	5.692	62395	189.46	53.7	311.92	601580	10.8074 ng/ml
alpha-PHP	4.937	32012	288.79	261.9	572.61	619435	10.7807 ng/ml
alpha-PVP	4.370	154412	3834.00	52.8	2150.45	619435	10.4391 ng/ml
Alprazolam	5.775	181283	1176.55	115.6	497.86	601580	10.2661 ng/ml
Amphetamine	3.063	178147	1603.66	51.0	763.27	185620	11.1593 ng/ml
Benzoylecgonine	3.899	7818	56.89	9.9	93.48	26418	11.2199 ng/ml
Buprenorphine	5.833	1197	859.63	14.2	117.06	28499	1.9099 ng/ml
Bupropion	4.788	94089	936.68	59.2	726.24	294545	10.9632 ng/ml
Carisoprodol	5.724	191318	816699.78	58.3	131.21	891392	10.3721 ng/ml
Citalopram	5.212	36457	108.99	40.8	1876.07	127530	12.8245 ng/ml
Clonazepam	5.612	221763	356.16	32.2	1798.46	244297	10.9728 ng/ml
Clonazolam	5.548	145229	4749.60	38.8	48066.02	244297	10.4098 ng/ml
Cocaine	4.264	155037	322.10	52.1	1464.09	1216506	10.5146 ng/ml
Codeine	2.573	21763	74.74	99.3	1607.17	94415	10.7461 ng/ml
Cyclobenzaprine	5.615	18614	393.64	7.1 Low	1995.58	38324	21.5416 ng/ml
Dextromethorphan	5.262	18053	236.74	77.1	49.65	63741	14.2060 ng/ml
Dextrophan	4.111	43000	6573.27	192.7	3373.92	419188	11.5708 ng/ml
Diazepam	5.953	110643	386.92	89.9	375.53	471995	10.8502 ng/ml
Dihydrocodeine	2.552	56552	1961.94	64.4	522.97	296135	10.7699 ng/ml
Diphenhydramine	5.289	95042	689.64	33.7	1247.21	455554	12.7733 ng/ml
Doxylamine	4.536	294159	1250.08	96.0	3472.59	1166349	10.7194 ng/ml
EDDP	5.254	73256	220.36	40.8	423.24	339205	11.0633 ng/ml
Etizolam	5.813	117833	16603.85	24.1	45441.62	244297	10.8787 ng/ml
Flualprazolam	5.698	86176	292.01	97.3	2479.33	601580	10.5496 ng/ml
Fluoxetine	5.700	23540	266.64	10.4 High	62.01	41960	23.1652 ng/ml
Hydrocodone	3.012	72783	78.65	39.5	90.01	386478	10.9840 ng/ml
Hydromorphone	1.595	70394	4498.82	76.3	6273.55	11414	11.7435 ng/ml
Ketamine	4.051	144491	607.58	36.6	1455.56	627309	10.5356 ng/ml
Lamotrigine	4.280	13203	340.63	81.5	608.42	627309	10.2384 ng/ml
Levetiracetam	2.676	86859	643.94	164.4	379.75	1440953	9.5514 ng/ml
Lorazepam	5.747	212324	1064.43	56.1	541.76	244297	11.3460 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.196	160554	203.26	23.3	105.92	374700	10.8219 ng/ml
MDMA	3.290	111631	3042.94	72.3	430.91	88726	11.0306 ng/ml
Meprobamate	4.924	116769	159.51	28.3	910.19	425747	11.3266 ng/ml
Methadone	5.646	52347	782.49	47.1	159.28	162497	13.8425 ng/ml
Methamphetamine	3.231	124223	679.91	37.3	206.50	460246	10.9963 ng/ml
Metoprolol	4.326	32481	637.81	91.1	717.51	1590279	11.5280 ng/ml
Mirtazapine	4.624	66139	1159.81	50.7	749.75	619435	11.4823 ng/ml
Mitragynine	5.237	6857	12376.08	34.8	3937.89	162497	13.7440 ng/ml
Morphine	1.240	11544	646.11	32.4	17.37	11414	11.3184 ng/ml
Nordiazepam	5.893	116070	320.49	56.8	1294.72	322620	10.9182 ng/ml
Norfentanyl	4.079	27616	323.33	34.9	23.64	1152800	1.0477 ng/ml
Norhydrocodone	3.059	11147	43.19	39.9	65.80	78145	10.7839 ng/ml
Noroxycodone	2.903	84521	1044.73	40.3	245.20	261868	10.9888 ng/ml
O-desmethyl-tramadol	3.369	377509	3816.23	6.9	257.36	2093661	10.4478 ng/ml
Oxazepam	5.749	244685	348.20	74.4	137.71	962101	10.8363 ng/ml
Oxycodone	2.827	160291	450.11	28.1	547.93	643259	10.5145 ng/ml
Oxymorphone	1.391	88280	∞	41.7	316.25	266781	11.0401 ng/ml
Phentermine	3.783	46931	1631.13	4.1	19.66	478037	11.0180 ng/ml
Promethazine	5.532	36339	2047.61	27.4	220.53	97815	16.3050 ng/ml
Pseudoephedrine	2.589	317993	2238.53	16.9	2763.92	1440953	10.4541 ng/ml
Quetiapine	5.548	48321	8287.83	57.3	203.66	49181	13.2297 ng/ml
Sertraline	5.769	12627	37.44	96.1	232.66	21141	28.0283 ng/ml
Temazepam	5.816	417729	687.34	29.3	86.53	1854302	11.1045 ng/ml
Tramadol	4.246	346391	564.31	3.8	238.20	1590279	10.8391 ng/ml
Trazodone	5.156	39622	1413.55	80.3	142006.54	97040	14.3887 ng/ml
Venlafaxine	5.037	229976	1248.40	38.5	554.11	1099566	10.5704 ng/ml
Zolpidem	4.914	353275	2709.02	30.8	1466.79	1641900	10.8640 ng/ml



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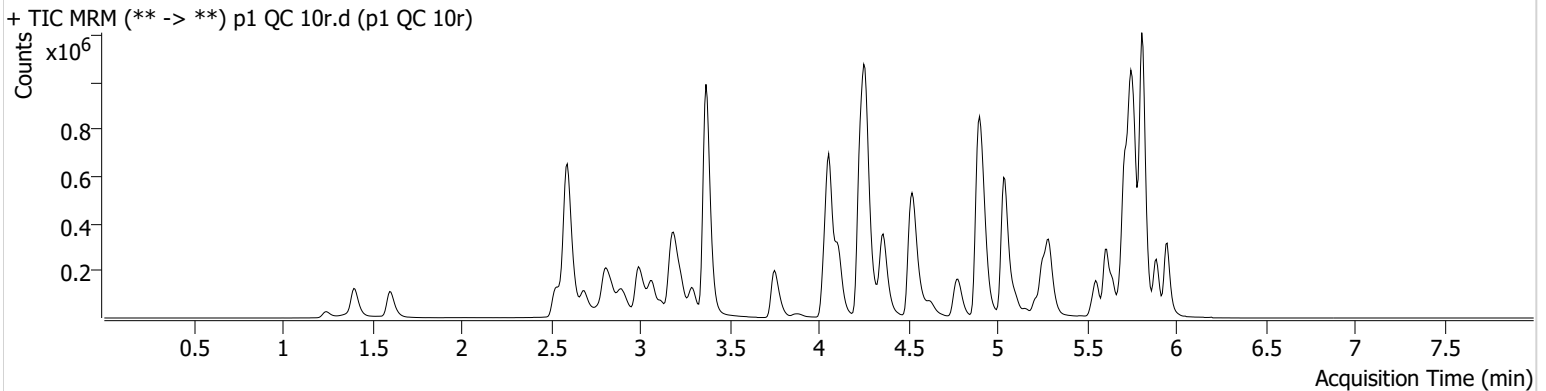


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument Falco (069901) **Data File** p1 QC 10r.d
Type QC **Sample** p1 QC 10r
Acq. Method AM 28 MDQ P1.m **Operator** Amber Gerheart
Sample Position P6-A2 **Comment**
Injection Volume 2
Acq. Date-Time 7/13/2021 4:32:45 PM **Reinject data**
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	4439	8527.12	75.7	4100.43	119242	0.9902 ng/ml
7-aminoclonazepam	4.271	53982	56.01	79.8	57.76	288320	10.4873 ng/ml
a-hydroxyalprazolam	5.692	64703	537.08	59.1	300.02	642280	10.4501 ng/ml
alpha-PHP	4.937	40637	645.67	266.7	1128.82	747407	11.3908 ng/ml
alpha-PVP	4.370	186303	4140.88	54.2	317.85	747407	10.4385 ng/ml
Alprazolam	5.775	199072	485.22	112.1	790.65	642280	10.5724 ng/ml
Amphetamine	3.069	228136	2211.07	51.6	246.09	236785	11.2076 ng/ml
Benzoylcegonine	3.899	8909	117.63	9.0	1277.54	29487	11.4591 ng/ml
* Buprenorphine	5.840	1124	820.85	13.5	230.55	32639	1.6534 ng/ml
Bupropion	4.788	110665	68.29	63.9	427.36	371249	10.1872 ng/ml
Carisoprodol	5.724	204794	550820.25	59.0	163.05	970326	10.1938 ng/ml
Citalopram	5.219	41481	326.03	43.8	604.25	150424	12.3694 ng/ml
Clonazepam	5.612	235585	19038.54	31.7	155300.29	263518	10.7909 ng/ml
Clonazepam	5.555	156648	86750.97	38.3	134478.53	263518	10.4092 ng/ml
Cocaine	4.264	181298	366.90	50.6	692.87	1418735	10.5440 ng/ml
Codeine	2.580	24348	57.55	103.2	732.42	106342	10.6656 ng/ml
NE Cyclobenzaprine	5.622	14230	792.28	8.6	3.36 Low	35503	18.2127 ng/ml
Dextromethorphan	5.268	18998	61.44	79.8	187.82	67300	14.1582 ng/ml
Dextrophan	4.111	51590	405.04	204.1	257575.10	509916	11.4051 ng/ml
Diazepam	5.953	117932	271.85	88.0	451.05	496809	10.9944 ng/ml
Dihydrocodeine	2.559	63855	60.83	67.2	1937.51	329688	10.9472 ng/ml
Diphenhydramine	5.289	113593	2436.15	32.2	429.40	571189	12.1584 ng/ml
Doxylamine	4.536	346560	4897.49	96.9	12183.66	1387505	10.6125 ng/ml
EDDP	5.254	90053	188.93	42.7	194.75	426919	10.7898 ng/ml
Etizolam	5.813	125871	265348.62	25.0	73003.35	263518	10.7723 ng/ml
Flualprazolam	5.705	97551	278.00	94.5	3784.44	642280	11.2360 ng/ml
Hydrocodone	3.018	84664	177.96	40.0	129.44	437204	11.3182 ng/ml
Hydromorphone	1.608	79217	616891.19	76.3	2778.26	12796	11.7923 ng/ml
Ketamine	4.051	171599	239.92	35.4	310.52	729922	10.7717 ng/ml
Lamotrigine	4.280	13939	1014.90	79.5	118.47	729922	9.2230 ng/ml
Levetiracetam	2.690	97807	178.50	162.2	1507.58	1662899	9.2818 ng/ml
Lorazepam	5.747	216352	1514.43	60.2	337.48	263518	10.6220 ng/ml
MDA	3.203	208155	1367.05	23.8	469.50	477564	11.0262 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.296	135890	1129.98	74.5	374.42	110928	10.7214 ng/ml
Meprobamate	4.924	124939	2749.47	27.9	1214.05	455090	11.3394 ng/ml
Methadone	5.646	53241	368.80	53.3	164.98	184180	12.3853 ng/ml
Methamphetamine	3.238	154768	839.95	37.8	364.39	580748	10.8383 ng/ml
Metoprolol	4.326	38799	571.16	93.1	1393.70	1867117	11.7368 ng/ml
Mirtazapine	4.631	72842	384.17	48.7	459.79	747407	10.5340 ng/ml
Mitragynine	5.237	5561	8539.38	36.9	2577.91	184180	9.7614 ng/ml
Morphine	1.253	12502	8920.04	34.4	225.80	12796	10.8993 ng/ml
* Norbuprenorphine	4.986	221	447.13	74.0 Low	230.69	5615	1.7532 ng/ml
Nordiazepam	5.893	117535	701.61	57.7	493.87	343243	10.3452 ng/ml
Norfentanyl	4.086	33119	155.44	34.0	124.66	1386213	1.0447 ng/ml
Norhydrocodone	3.066	12947	51.97	45.4	128.39	92472	10.5880 ng/ml
Noroxycodone	2.909	94704	872.88	41.7	454.39	299681	10.7476 ng/ml
O-desmethyl-tramadol	3.376	430170	494.00	6.7	1908.64	2371104	10.5139 ng/ml
Oxazepam	5.749	255813	357.36	74.7	695.77	1017419	10.7054 ng/ml
Oxycodone	2.834	184346	636.18	27.0	722.23	723462	10.7661 ng/ml
Oxymorphone	1.405	96472	1768.39	42.7	218.92	301195	10.6650 ng/ml
Phentermine	3.790	59268	336.81	4.5	77.84	594435	11.2073 ng/ml
Promethazine	5.538	19820	52856.06	30.7	27.05	84343	10.1780 ng/ml
Pseudoephedrine	2.603	365479	337.94	16.7	152.76	1662899	10.4110 ng/ml
Quetiapine	5.555	51280	240.79	56.4	54292.40	56122	12.2347 ng/ml
Temazepam	5.816	434398	294.16	30.0	188.49	2004571	10.7180 ng/ml
Tramadol	4.246	405615	665.94	3.7	128.93	1867117	10.8085 ng/ml
Trazodone	5.163	39481	66915.32	85.0	21608.59	103406	13.4008 ng/ml
Venlafaxine	5.043	286866	343.70	38.7	505.87	1379224	10.5103 ng/ml
Zolpidem	4.914	384425	6878.57	31.6	1234.45	1822261	10.6359 ng/ml

NE = not evaluated
 *Outside curve range

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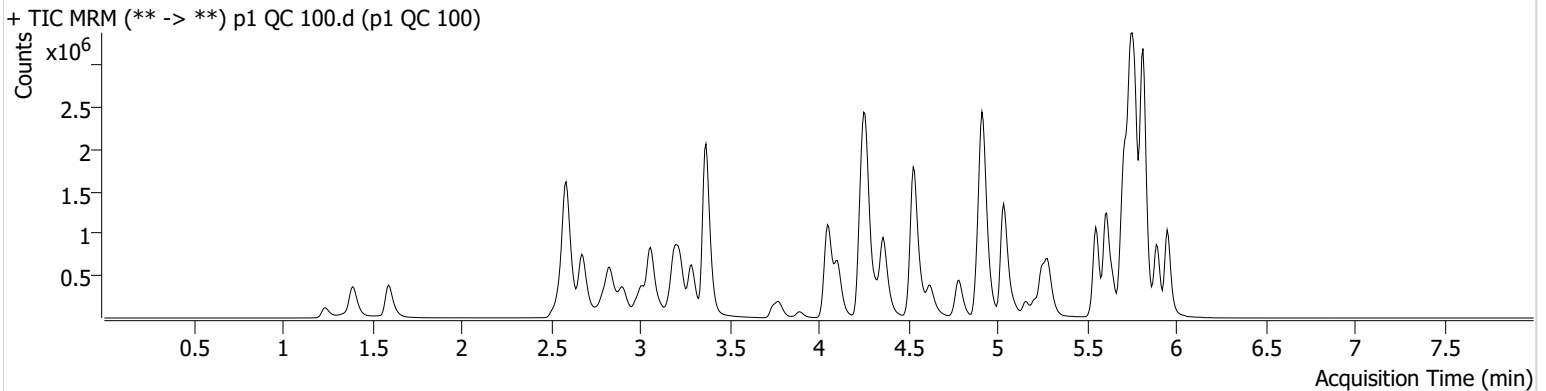


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-B2	Comment	
Injection Volume	2		
Acq. Date-Time	7/13/2021 8:40:13 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	40905	847.24	67.5	1369.16	100824	10.9807 ng/ml
7-aminoclonazepam	4.271	502442	28660.85	78.8	6831.72	263065	111.1868 ng/ml
a-hydroxyalprazolam	5.692	481246	457.72	57.2	637.61	534679	106.3507 ng/ml
alpha-PHP	4.930	268895	158.67	269.2	4470.00	563523	107.2338 ng/ml
alpha-PVP	4.363	1380796	386287.11	52.3	802.57	563523	107.2943 ng/ml
Alprazolam	5.775	1701311	3224.28	110.1	1487.12	534679	112.8565 ng/ml
Amphetamine	3.063	1559199	7018.20	50.8	906.02	169866	117.4803 ng/ml
Benzoylecgonine	3.892	84353	2964.80	7.8	6662.14	28185	114.8997 ng/ml
Buprenorphine	5.840	6738	318.57	15.2	1821.66	22598	10.6275 ng/ml
Bupropion	4.788	729044	605.12	60.9	2484.45	237630	110.8571 ng/ml
Carisoprodol	5.724	1541375	2208875.64	56.1	5281.55	720328	106.4908 ng/ml
Citalopram	5.212	282221	46414.45	41.9	200.23	114851	110.5368 ng/ml
Clonazepam	5.612	1983866	∞	31.5	858.75	216755	119.9666 ng/ml
Clonazepam	5.549	1362127	561372.49	38.0	947025.38	216755	115.2161 ng/ml
Cocaine	4.257	1439577	4446364.73	49.9	157368.92	1107578	110.6893 ng/ml
Codeine	2.573	196210	4018.73	100.6	1151.03	87309	116.3403 ng/ml
Cyclobenzaprine	5.615	102978	6106.33	8.4	34.52	36424	113.3733 ng/ml
Dextromethorphan	5.262	124505	1221.71	77.0	848.13	54613	115.5073 ng/ml
Dextrophan	4.111	368631	1250.53	203.7	2388.66	379030	114.1210 ng/ml
Diazepam	5.953	1040017	9822.26	87.2	558.88	442338	113.8428 ng/ml
Dihydrocodeine	2.552	528341	33675.56	66.8	498.13	285785	119.0283 ng/ml
Diphenhydramine	5.289	699880	9222.55	34.0	4508.19	399635	109.9901 ng/ml
Doxylamine	4.536	2686769	7167.20	96.2	77788.93	1080307	108.9505 ng/ml
EDDP	5.254	707699	7226.86	42.3	368.80	340348	112.4170 ng/ml
Etizolam	5.813	1031506	36304.93	25.6	480407.11	216755	108.1990 ng/ml
Fentanyl	5.103	11749	717.92	71.8	25963.96	56869	11.3776 ng/ml
Flualprazolam	5.698	778403	3168.98	96.6	58199.11	534679	114.9205 ng/ml
Fluoxetine	5.700	97263	1356.61	8.6	12694.82	37268	113.6193 ng/ml
Hydrocodone	3.012	688730	477.39	40.1	3381.31	362419	118.3925 ng/ml
Hydromorphone	1.595	646868	5680.43	77.1	1538.37	11587	115.4176 ng/ml
Ketamine	4.051	1316326	1654.22	37.2	2706.75	594165	109.0744 ng/ml
Lamotrigine	4.273	127894	1265.19	79.6	665.63	594165	111.3509 ng/ml
Levetiracetam	2.676	817882	2391.21	163.8	1802.01	1355730	109.7337 ng/ml

AM

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1397208	86282.19	57.8	2492.49	216755	95.2749 ng/ml
MDA	3.196	1382340	9017.27	23.4	1072.57	323237	117.3778 ng/ml
MDMA	3.290	963698	11202.02	73.0	4149.33	78611	113.6999 ng/ml
Meprobamate	4.917	941641	257.10	28.0	791.17	376365	117.4128 ng/ml
Methadone	5.646	371530	9031.81	47.7	1117.09	146384	111.4862 ng/ml
Methamphetamine	3.231	1016800	7169.26	37.2	1048.93	402988	115.4415 ng/ml
Metoprolol	4.326	292441	1423625.02	91.5	57050.22	1533444	111.6109 ng/ml
Mirtazapine	4.624	522193	2163.00	50.3	303.79	563523	94.9542 ng/ml
Mitragynine	5.230	47075	2948.88	37.3	145.92	146384	106.4297 ng/ml
Morphine	1.240	109737	1529.04	34.5	1539.73	11587	114.4030 ng/ml
Norbuprenorphine	4.986	952	4187.58	93.3	10.86	3793	12.5219 ng/ml
Nordiazepam	5.900	1050832	1726253.03	55.6	6263.77	302967	113.5874 ng/ml
Norfentanyl	4.079	265041	17071.46	34.0	989.51	1099665	10.9476 ng/ml
Norhydrocodone	3.059	89921	160.63	43.0	64.03	63791	105.0850 ng/ml
Noroxycodone	2.903	740670	7037.35	41.5	1118.43	235893	111.6804 ng/ml
O-desmethyl-tramadol	3.369	3741004	58547.14	6.6	797.09	2000940	110.8787 ng/ml
Oxazepam	5.749	1865970	15080.84	72.4	4384.78	726037	115.6518 ng/ml
Oxycodone	2.827	1583935	1102.80	26.9	945.53	631908	111.5180 ng/ml
Oxymorphone	1.391	781219	1203.24	42.5	∞	244517	112.2902 ng/ml
Phentermine	3.783	400929	573.44	3.9	61.64	423147	116.1242 ng/ml
Promethazine	5.532	208246	1457.92	26.4	818.89	88774	104.9183 ng/ml
Pseudoephedrine	2.589	3058657	44180.50	16.3	410485.29	1355730	108.0953 ng/ml
Quetiapine	5.548	405140	9555.00	57.7	451431.43	50260	115.6244 ng/ml
NE Sertraline	5.769	50397	73.47	95.0	117830.66	19549	113.9952 ng/ml
Temazepam	5.816	3562992	1539.37	29.0	6104.16	1554060	104.3225 ng/ml
Tramadol	4.246	3197647	2076.19	3.6	3042.22	1533444	109.9328 ng/ml
Trazodone	5.156	294150	102166.32	79.8	1540914.19	88038	123.7113 ng/ml
Venlafaxine	5.037	2143855	72682.28	38.7	580.34	1013233	109.2117 ng/ml
Zolpidem	4.914	3421017	5621.26	30.7	5662.50	1628949	113.2203 ng/ml

NE = not evaluated

AG

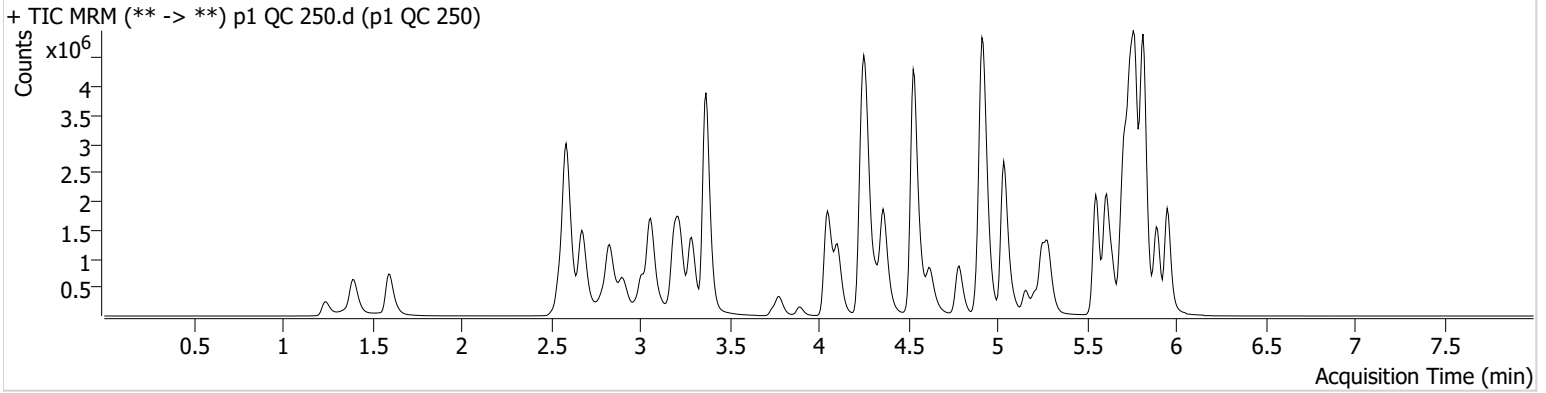


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-C2	Comment	
Injection Volume	2		
Acq. Date-Time	7/12/2021 11:06:55 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	94183	1828.31	71.0	1041.00	95361	26.7586 ng/ml
7-aminoclonazepam	4.271	996465	14398.84	79.2	14106.11	209772	277.2113 ng/ml
a-hydroxyalprazolam	5.692	764741	1791.73	58.1	3939.35	446662	203.7796 ng/ml
alpha-PHP	4.937	587108	23305.11	268.0	4694.88	508414	260.8415 ng/ml
alpha-PVP	4.363	3067681	122694.44	52.9	2402.26	508414	264.9875 ng/ml
Alprazolam	5.775	3474484	∞	112.0	1311.66	446662	276.5710 ng/ml
Amphetamine	3.063	3398467	2181.06	50.3	3634.98	154100	284.0208 ng/ml
Benzoylecgonine	3.892	191015	5298.72	7.5	35429.06	25883	283.5510 ng/ml
Buprenorphine	5.840	13056	1969.69	14.8	3261.77	16938	26.7102 ng/ml
Bupropion	4.788	1543977	67646.51	59.6	12185.78	206498	271.0974 ng/ml
Carisoprodol	5.724	2735808	60915.76	55.5	8893.62	490878	277.9128 ng/ml
Citalopram	5.212	620557	471.90	41.9	546889.46	103920	268.6741 ng/ml
Clonazepam	5.612	3774575	86692.86	31.2	47359.99	178748	278.1284 ng/ml
Clonazepam	5.549	2767709	123344.11	37.5	1581936.10	178748	284.6768 ng/ml
Cocaine	4.257	3226352	2510.67	51.2	1831.65	1022564	269.2357 ng/ml
Codeine	2.573	397350	693.73	101.5	771019.53	79084	261.7387 ng/ml
Cyclobenzaprine	5.615	172189	235412.68	9.5	181.52	25196	270.5177 ng/ml
Dextromethorphan	5.262	233672	477.11	81.5	351.98	43680	271.2665 ng/ml
Dextrophan	4.112	814631	402425.82	205.5	49699.64	336598	284.7612 ng/ml
Diazepam	5.953	2190707	26967.55	87.8	12852.25	386214	275.4321 ng/ml
Dihydrocodeine	2.545	1171819	522.83	67.3	1659.05	270360	281.3440 ng/ml
Diphenhydramine	5.289	1514175	34769.41	33.7	10320.59	350500	271.8686 ng/ml
Doxylamine	4.529	6823623	7137.39	96.7	149121.67	1086943	275.5719 ng/ml
EDDP	5.254	1734852	526.41	42.0	799.55	338325	278.2292 ng/ml
Etizolam	5.813	2194681	7797.60	24.7	24482.12	178748	279.3122 ng/ml
Fentanyl	5.103	22267	387.89	67.7	28886.94	45856	26.2315 ng/ml
Flualprazolam	5.698	1517396	620.19	103.5	21405.02	446662	269.2893 ng/ml
Fluoxetine	5.700	121893	3543.87	9.1	108.32	18700	286.1770 ng/ml
Hydrocodone	3.012	1529996	∞	39.9	336.11	342864	279.1258 ng/ml
Hydromorphone	1.601	1385121	2601.70	77.7	7022.45	10462	275.2599 ng/ml
Ketamine	4.051	2968566	92452.85	36.9	31378.66	543278	270.3411 ng/ml
Lamotrigine	4.280	268904	6064.56	81.1	7299.00	543278	256.9862 ng/ml
Levetiracetam	2.676	1646712	13986.58	166.0	6092.74	1223795	246.6866 ng/ml

AM

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.740	1851527	23489.14	57.3	414.88	178748	154.1520 ng/ml
MDA	3.196	2925439	24339.98	23.4	2093.00	286653	281.5556 ng/ml
MDMA	3.290	2204667	10728.91	73.6	4741.21	75038	273.4910 ng/ml
Meprobamate	4.924	1640250	115427.38	27.7	291.17	309793	250.4087 ng/ml
Methadone	5.646	769080	17554.65	48.0	764.32	127075	266.3349 ng/ml
Methamphetamine	3.231	2154981	3339.89	37.6	10491.85	362062	274.3782 ng/ml
Metoprolol	4.326	655390	540.04	92.0	9840.44	1364966	281.7285 ng/ml
Mirtazapine	4.624	1131285	6103.67	51.1	3081.42	508414	227.1508 ng/ml
Mitragynine	5.230	97589	136361.46	39.8	32398.62	127075	254.5086 ng/ml
Morphine	1.240	242883	877.56	34.2	938.89	10462	281.8906 ng/ml
Norbuprenorphine	4.992	1841	38.59	104.0	1583.90	3065	30.3295 ng/ml
Nordiazepam	5.893	2155029	6484.73	55.5	819.30	254049	279.1910 ng/ml
Norfentanyl	4.079	622294	3984.41	34.0	294.94	1012911	27.9753 ng/ml
Norhydrocodone	3.059	178206	1485.91	42.2	67.24	41626	318.8160 ng/ml
Noroxycodone	2.903	1455642	1751.21	42.7	590.49	191712	270.8439 ng/ml
O-desmethyl-tramadol	3.369	8824425	2834.07	6.5	3171.08	1877008	279.2255 ng/ml
Oxazepam	5.749	2769611	43146.12	74.1	14601.93	458895	272.4990 ng/ml
Oxycodone	2.827	3651960	4720.33	27.1	2717.18	601918	270.8311 ng/ml
Oxymorphone	1.398	1613579	∞	42.2	∞	206474	275.6171 ng/ml
Phentermine	3.783	875137	740.87	4.0	562.11	388496	277.6388 ng/ml
Promethazine	5.532	388663	18945.57	27.4	253.44	61855	281.6537 ng/ml
Pseudoephedrine	2.589	6872283	45469.26	16.2	93392.38	1223795	269.2523 ng/ml
Quetiapine	5.548	927228	145920.87	58.4	9657.58	47459	281.6426 ng/ml
NE Sertraline	5.769	59910	420.55	96.3	312.48	9072	288.7181 ng/ml
Temazepam	5.816	6391249	1811.11	27.8	1683.55	1109254	260.7384 ng/ml
Tramadol	4.239	7391066	1482.19	3.5	736.45	1364966	286.6113 ng/ml
Trazodone	5.156	686866	58716.13	79.1	688.79	89971	283.7383 ng/ml
Venlafaxine	5.037	5047338	84239.25	37.7	880.15	951426	274.1998 ng/ml
Zolpidem	4.914	8268913	138057.12	30.2	13708.63	1586671	282.1700 ng/ml

*Outside curve range

NE = not evaluated

AG

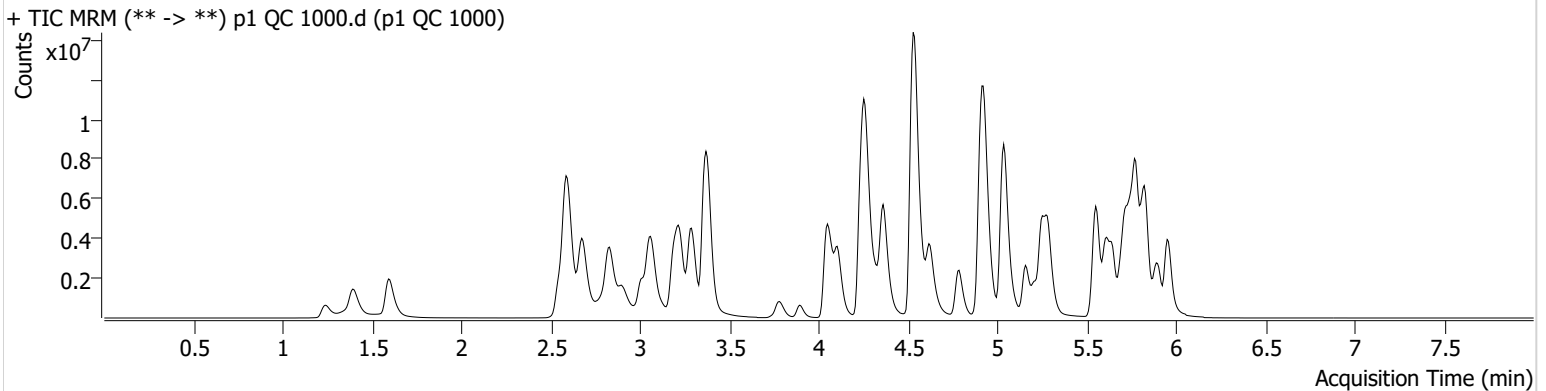


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-D2	Comment	
Injection Volume	2		
Acq. Date-Time	7/12/2021 11:28:08 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	343122	2520.58	70.8	712.10	84012	110.7148 ng/ml
7-aminoclonazepam	4.278	1952975	9363.41	82.2	46961.39	105214	1084.5599 ng/ml
* a-hydroxyalprazolam	5.685	1136733	2890.55	56.2	1155.94	249495	544.9955 ng/ml
alpha-PHP	4.937	1782087	71208.18	270.1	2820.10	407752	989.8086 ng/ml
alpha-PVP	4.363	10403735	97745.94	51.0	41411.46	407752	1122.2468 ng/ml
Alprazolam	5.775	7798632	∞	112.3	5376.30	249495	1112.7582 ng/ml
Amphetamine	3.063	8966550	4578.13	49.3	33857.18	115112	1006.3491 ng/ml
Benzoylcegonine	3.892	798993	2267824.06	7.8	820.75	25386	1209.8315 ng/ml
Buprenorphine	5.840	41030	8709.39	13.2	7178.75	11499	121.9009 ng/ml
Bupropion	4.788	4374260	125042.45	60.2	25948.91	148746	1068.1528 ng/ml
Carisoprodol	5.724	4673122	122364.65	56.5	8168.25	196908	1184.5404 ng/ml
Citalopram	5.212	2586890	21128.52	42.3	675.50	104691	1111.8864 ng/ml
Clonazepam	5.612	7590568	202624.82	30.7	28420.37	96204	1042.0195 ng/ml
Clonazepam	5.555	5540858	44749.22	37.2	308252.57	96204	1060.3822 ng/ml
Cocaine	4.257	10439971	1436.67	49.9	527.81	793055	1124.5219 ng/ml
* Codeine	2.566	919103	605.90	98.1	10992.10	54801	876.7828 ng/ml
NE Cyclobenzaprine	5.615	889856	1274958.17	9.3	368.40	33483	1044.7743 ng/ml
Dextromethorphan	5.262	971871	57539.05	80.4	12398.26	45329	1087.6688 ng/ml
Dextrophan	4.111	2594220	213329.87	210.3	22833.06	262660	1163.7068 ng/ml
Diazepam	5.953	5609418	306.61	87.4	7430.59	244017	1117.9330 ng/ml
Dihydrocodeine	2.545	3320804	67217.67	67.7	280.49	249312	868.1360 ng/ml
Diphenhydramine	5.289	6625626	88132.01	32.9	436.23	364647	1144.6706 ng/ml
Doxylamine	4.529	26806456	14151.97	97.0	1184022.05	1099389	1071.3784 ng/ml
EDDP	5.254	8175873	1831.18	40.7	3228.32	374350	1187.2591 ng/ml
* Etizolam	5.813	5488042	10256.93	24.6	17876.84	96204	1298.0939 ng/ml
Fentanyl	5.103	114648	103.68	66.5	220.01	57035	107.3989 ng/ml
Flualprazolam	5.698	3178212	30141.23	104.8	62705.57	249495	1012.0764 ng/ml
NE Fluoxetine	5.700	358431	73754.08	8.8	58108.06	15606	1012.3872 ng/ml
Hydrocodone	3.012	4794358	339.30	39.6	212.29	295227	1017.9882 ng/ml
Hydromorphone	1.595	4348328	17053731.64	77.1	26585.81	7888	1149.7797 ng/ml
Ketamine	4.051	9838105	267948.14	35.5	23009.03	442478	1102.7928 ng/ml
* Lamotrigine	4.280	599054	78372.56	80.8	19282.56	442478	704.1729 ng/ml
Levetiracetam	2.676	4499780	2622.03	169.1	29870.36	831301	997.1061 ng/ml

AM

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.740	1885943	31996.55	58.0	8902.25	96204	293.2894 ng/ml
MDA	3.196	7871656	7626.38	22.3	6325.53	220889	985.7512 ng/ml
MDMA	3.290	7987650	76297.55	73.7	3714.71	62868	1185.0532 ng/ml
* Meprobamate	4.924	2617166	22946.98	27.4	37103.27	186149	667.8113 ng/ml
Methadone	5.646	3692009	38778.51	47.1	622.81	144975	1121.8255 ng/ml
Methamphetamine	3.224	6666878	34782.72	36.7	1639.90	306465	1006.8598 ng/ml
Metoprolol	4.326	2000783	3707257.11	93.0	36766.20	1123802	1045.9212 ng/ml
* Mirtazapine	4.624	5362056	1399678.89	50.6	29854.29	407752	1339.4341 ng/ml
* Mitragynine	5.230	412290	214739.83	39.7	641.66	144975	943.1729 ng/ml
Morphine	1.240	708621	∞	35.9	∞	7888	1093.7762 ng/ml
* Norbuprenorphine	4.986	6389	106.24	101.1	842.78	3009	107.8791 ng/ml
Nordiazepam	5.900	4488146	507.14	56.4	14460.10	138159	1071.9094 ng/ml
* Norfentanyl	4.079	2222496	298027.07	33.9	1126.96	802979	126.1912 ng/ml
Norhydrocodone	3.053	578730	183.45	42.3	180.98	34038	1265.6621 ng/ml
Noroxycodone	2.903	3502450	4338.01	41.5	1353.89	111034	1126.9312 ng/ml
O-desmethyl-tramadol	3.369	25720041	33531.79	7.0	134576.19	1425532	1072.3631 ng/ml
Oxazepam	5.749	2755650	22760.33	71.7	5200.91	123760	1007.1286 ng/ml
Oxycodone	2.827	12310368	20123.60	26.2	2188.96	522953	1052.6234 ng/ml
Oxymorphone	1.391	4668635	∞	42.4	∞	157601	1046.5857 ng/ml
Phentermine	3.783	2576693	5326.82	3.9	4626.11	329014	968.0525 ng/ml
Promethazine	5.532	1942117	5035.67	28.1	463.59	79853	1091.2351 ng/ml
Pseudoephedrine	2.596	19800224	∞	16.4	617550.23	831301	1142.4624 ng/ml
Quetiapine	5.548	4648136	∞	58.8	80215.93	60533	1109.7912 ng/ml
NE Sertraline	5.769	172820	5508.08	100.5	620.19	7618	986.7547 ng/ml
Temazepam	5.830	9537321	64147.63	28.9	43479.18	386567	1113.3758 ng/ml
Tramadol	4.239	21849521	3508.69	3.6	777.35	1123802	1030.9685 ng/ml
Trazodone	5.156	4278978	243359.18	78.8	7218.75	137897	1155.8188 ng/ml
Venlafaxine	5.037	19497772	277174.42	37.5	698.30	875673	1151.6592 ng/ml
Zolpidem	4.914	25442759	573349.49	31.9	11450.74	1426925	967.3954 ng/ml

*Outside curve range

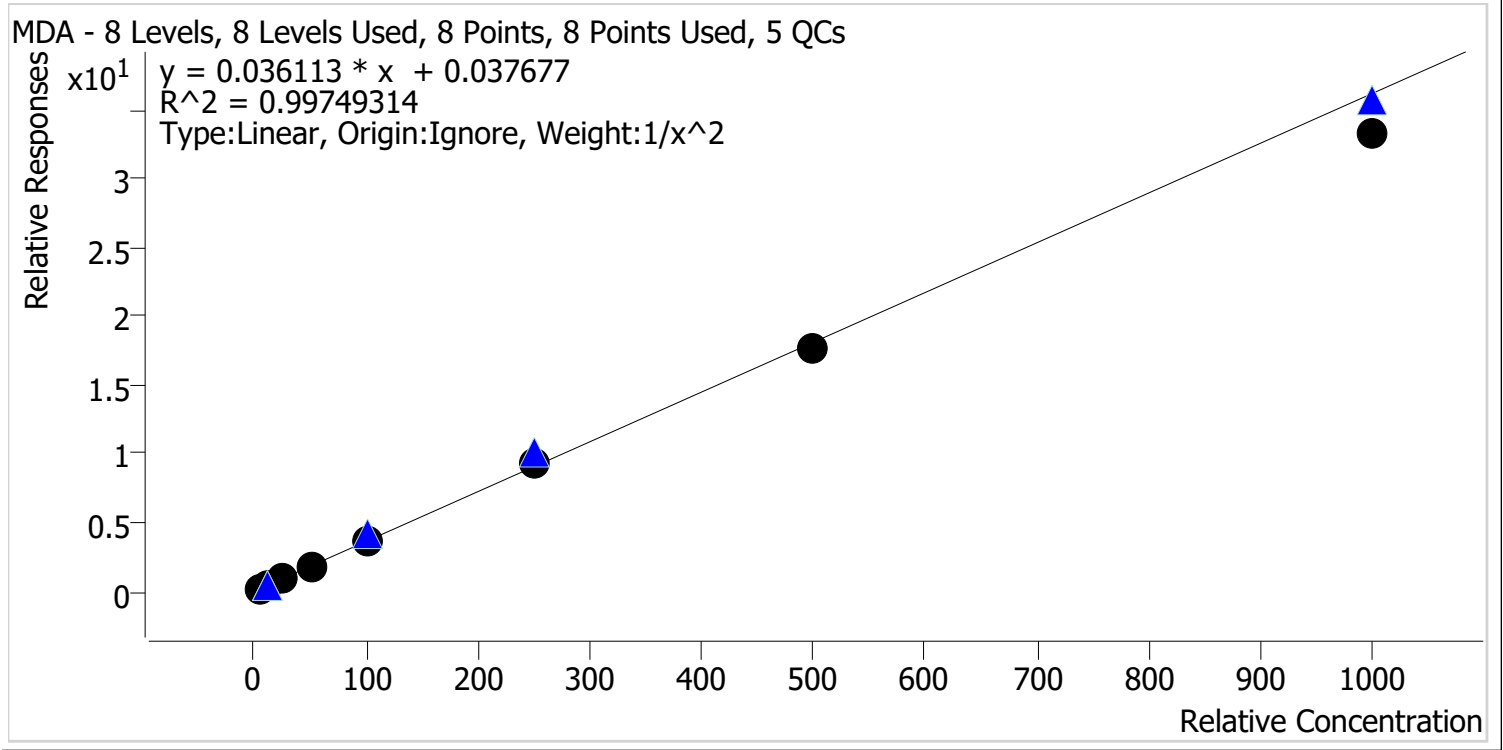
NE = not evaluated

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte MDA **Internal Standard** MDA-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	256.5	102.6
p1 Cal 7-500ng	7	✓	500.0	487.2	97.4
p1 Cal 8-1000ng	8	✓	1000.0	916.3	91.6

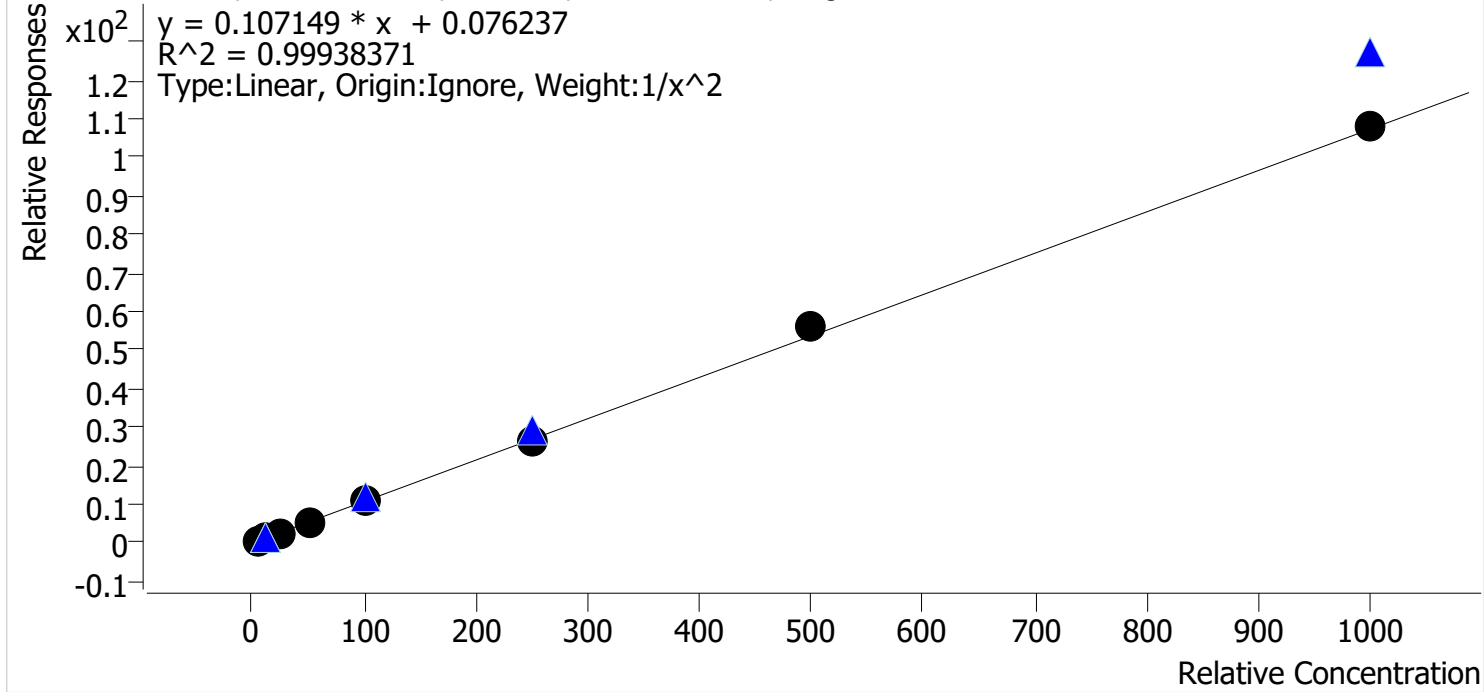
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte MDMA **Internal Standard** MDMA-D6

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



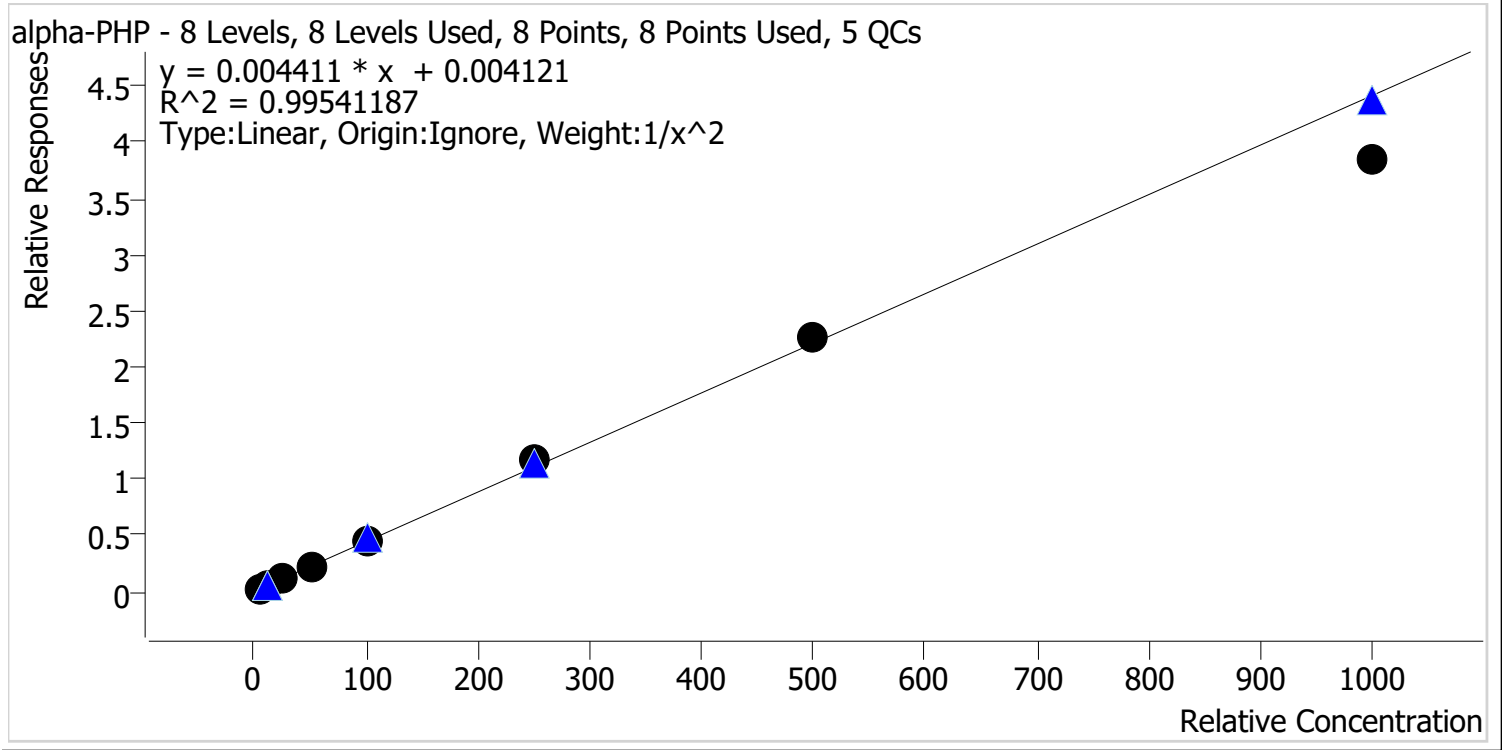
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	519.7	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1004.0	100.4

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
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	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.5	105.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	264.2	105.7
p1 Cal 7-500ng	7	✓	500.0	514.4	102.9
p1 Cal 8-1000ng	8	✓	1000.0	872.4	87.2

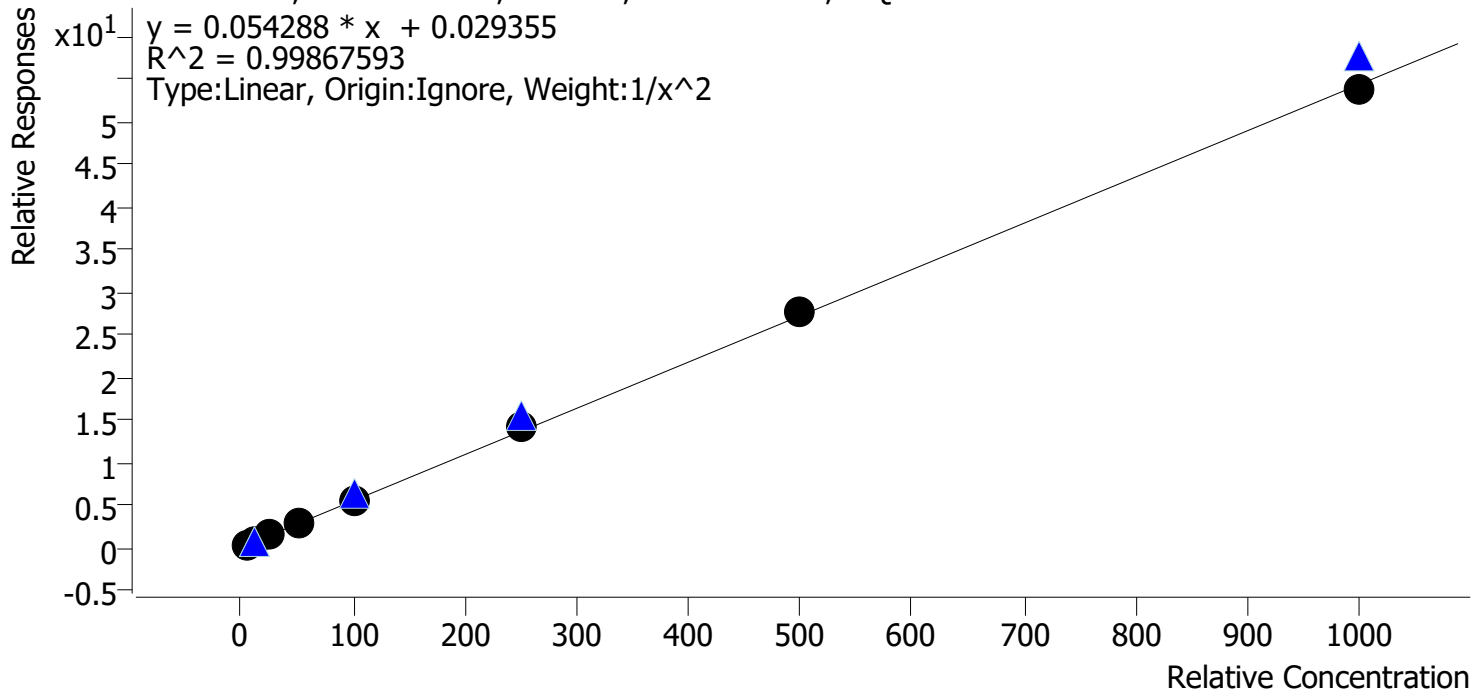
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Clonazolam **Internal Standard** Clonazepam-D4

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



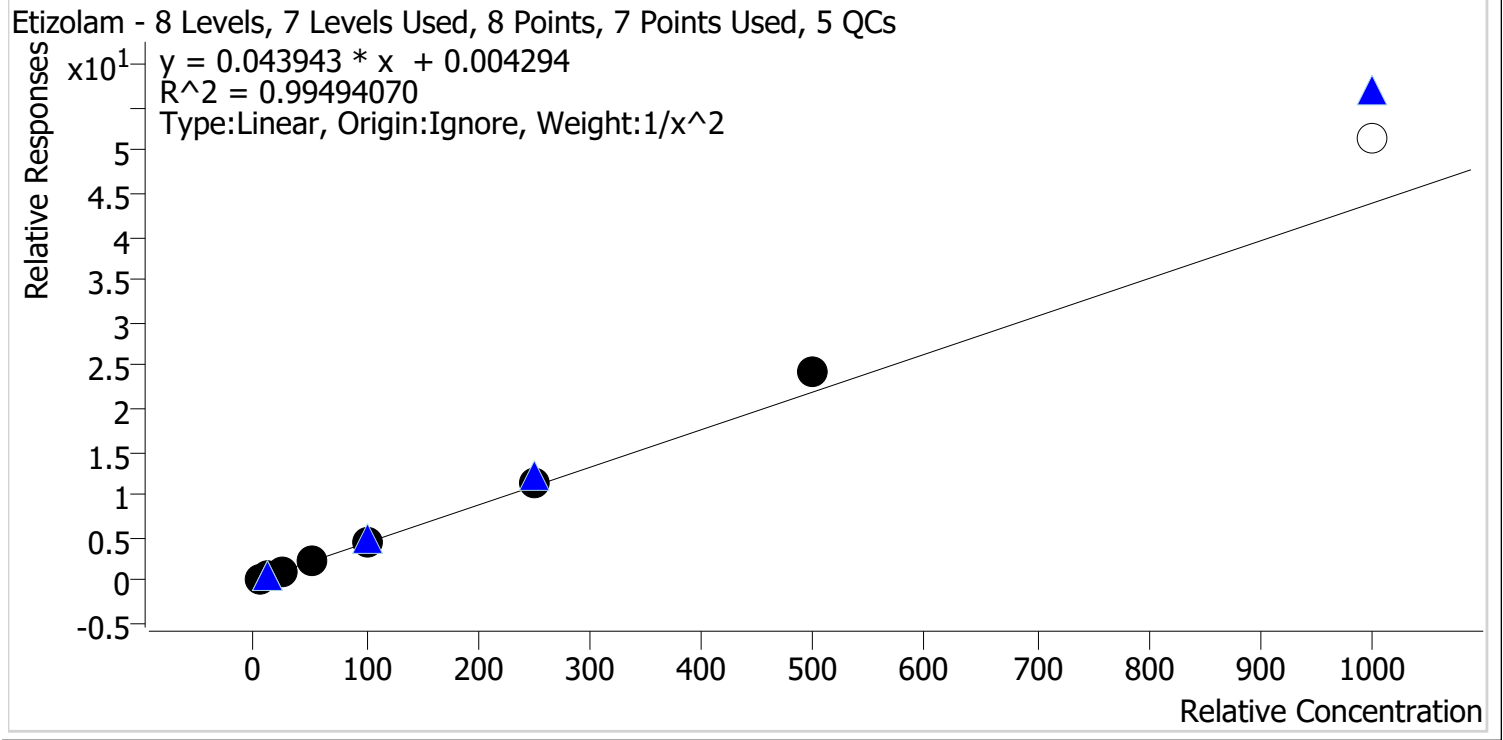
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	262.9	105.2
p1 Cal 7-500ng	7	✓	500.0	512.5	102.5
p1 Cal 8-1000ng	8	✓	1000.0	986.5	98.6

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
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	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	48.0	95.9
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	556.2	111.2
p1 Cal 8-1000ng	8	✗	1000.0	1174.9	117.5

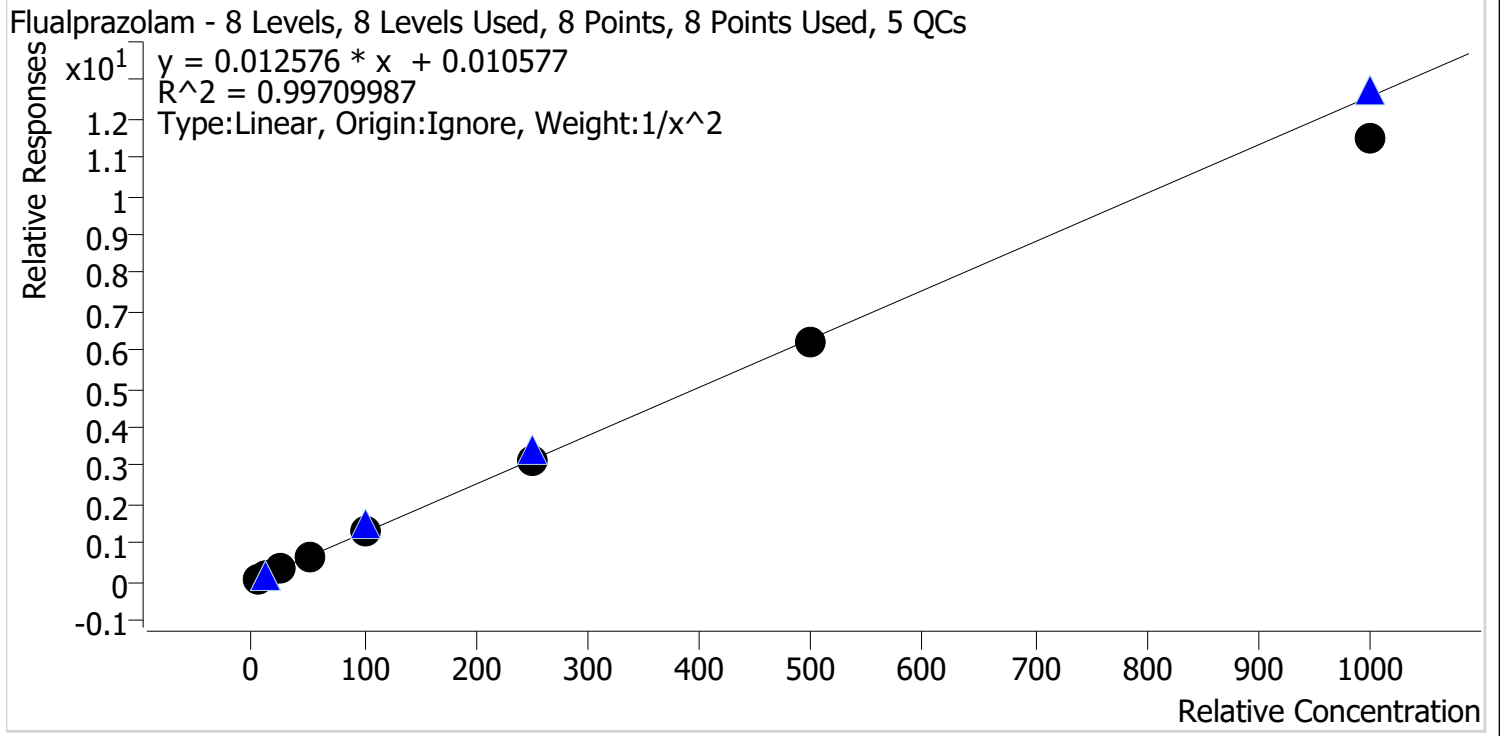
*Cal 8 dropped due to accuracy

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



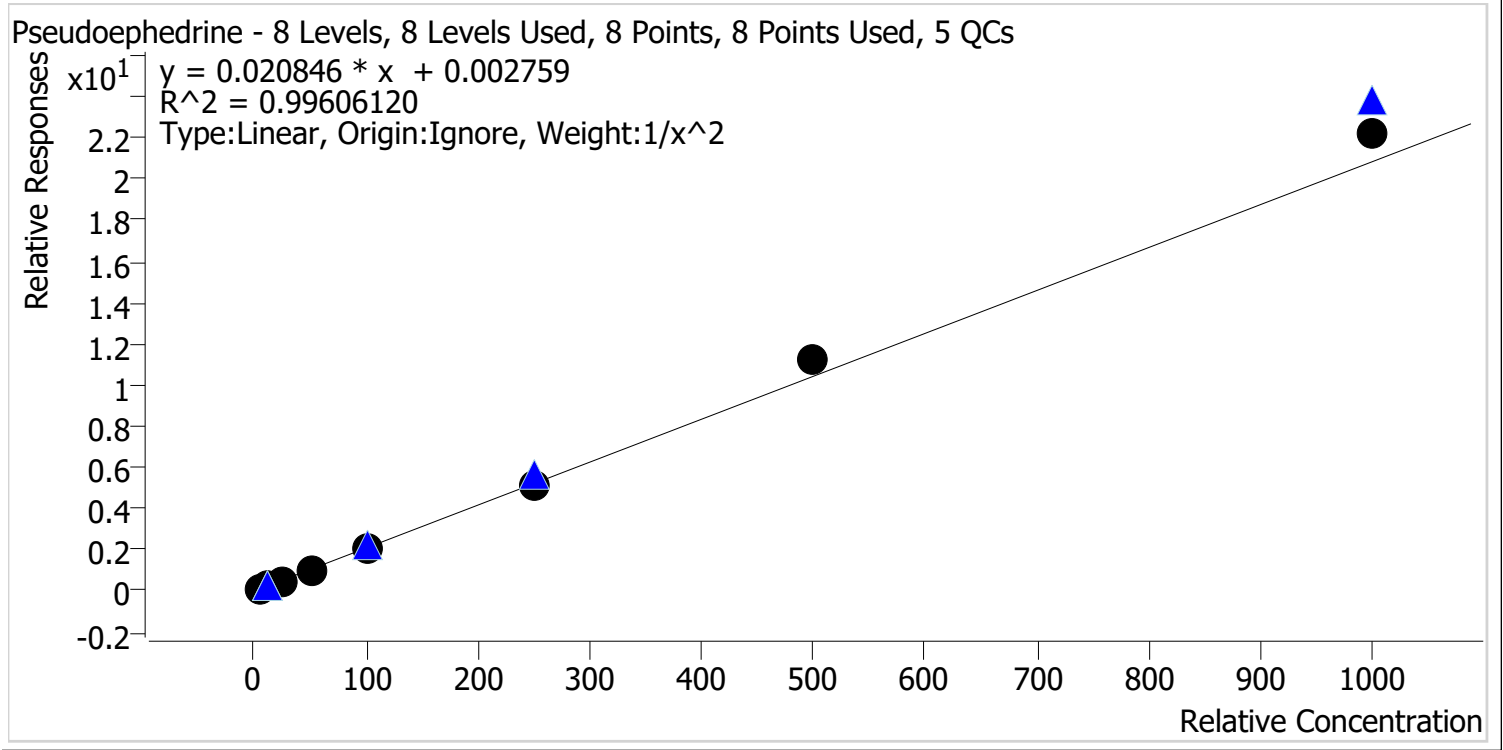
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	53.1	106.1
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	248.9	99.5
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	913.2	91.3

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



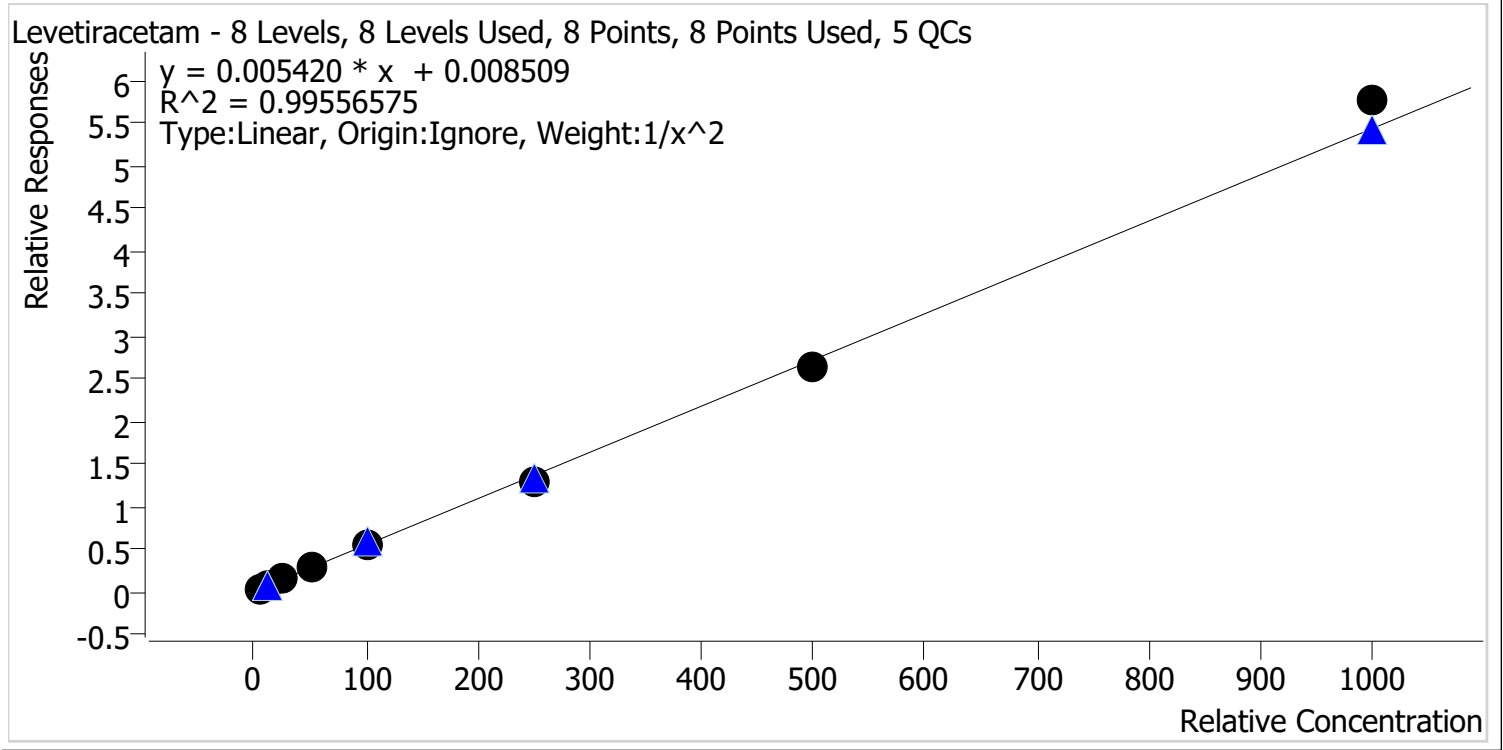
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.5
p1 Cal 4-50ng	4	✓	50.0	47.5	94.9
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	541.6	108.3
p1 Cal 8-1000ng	8	✓	1000.0	1069.4	106.9

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3



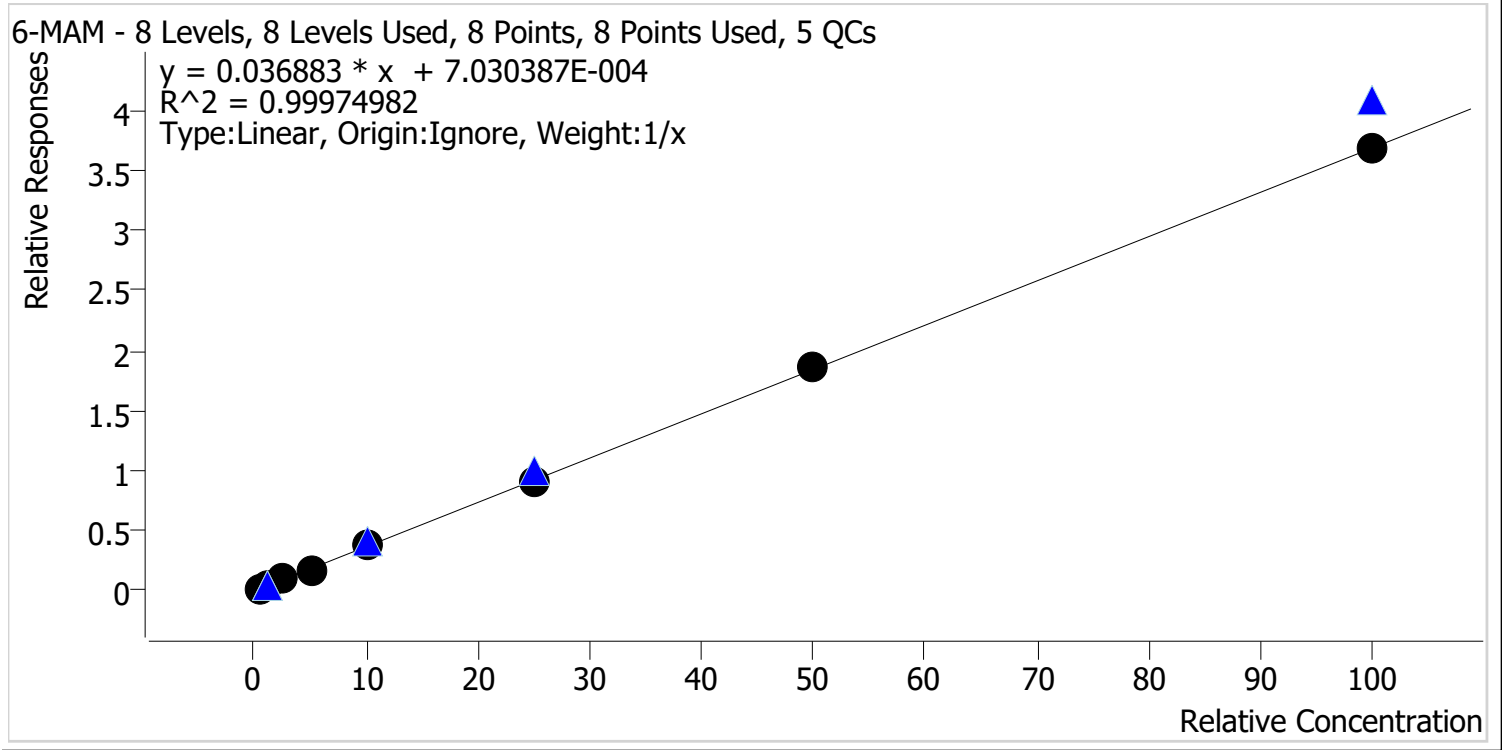
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.0	90.4
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	234.7	93.9
p1 Cal 7-500ng	7	✓	500.0	484.1	96.8
p1 Cal 8-1000ng	8	✓	1000.0	1060.6	106.1

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte 6-MAM **Internal Standard** 6-MAM-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.9
p1 Cal 2-10ng	2	✓	1.0	1.0	100.4
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.4
p1 Cal 4-50ng	4	✓	5.0	4.8	95.7
p1 Cal 5-100ng	5	✓	10.0	10.1	101.2
p1 Cal 6-250ng	6	✓	25.0	24.5	97.9
p1 Cal 7-500ng	7	✓	50.0	51.0	102.0
p1 Cal 8-1000ng	8	✓	100.0	99.6	99.6

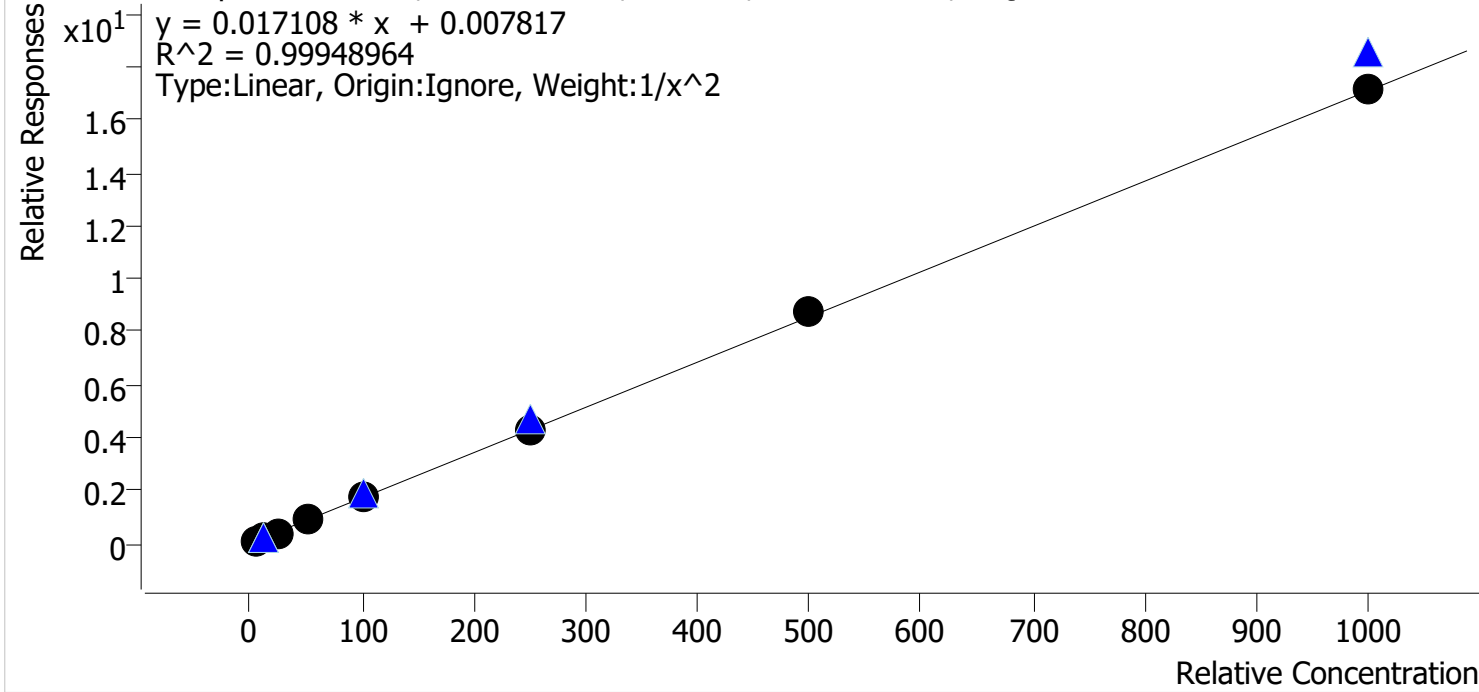
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



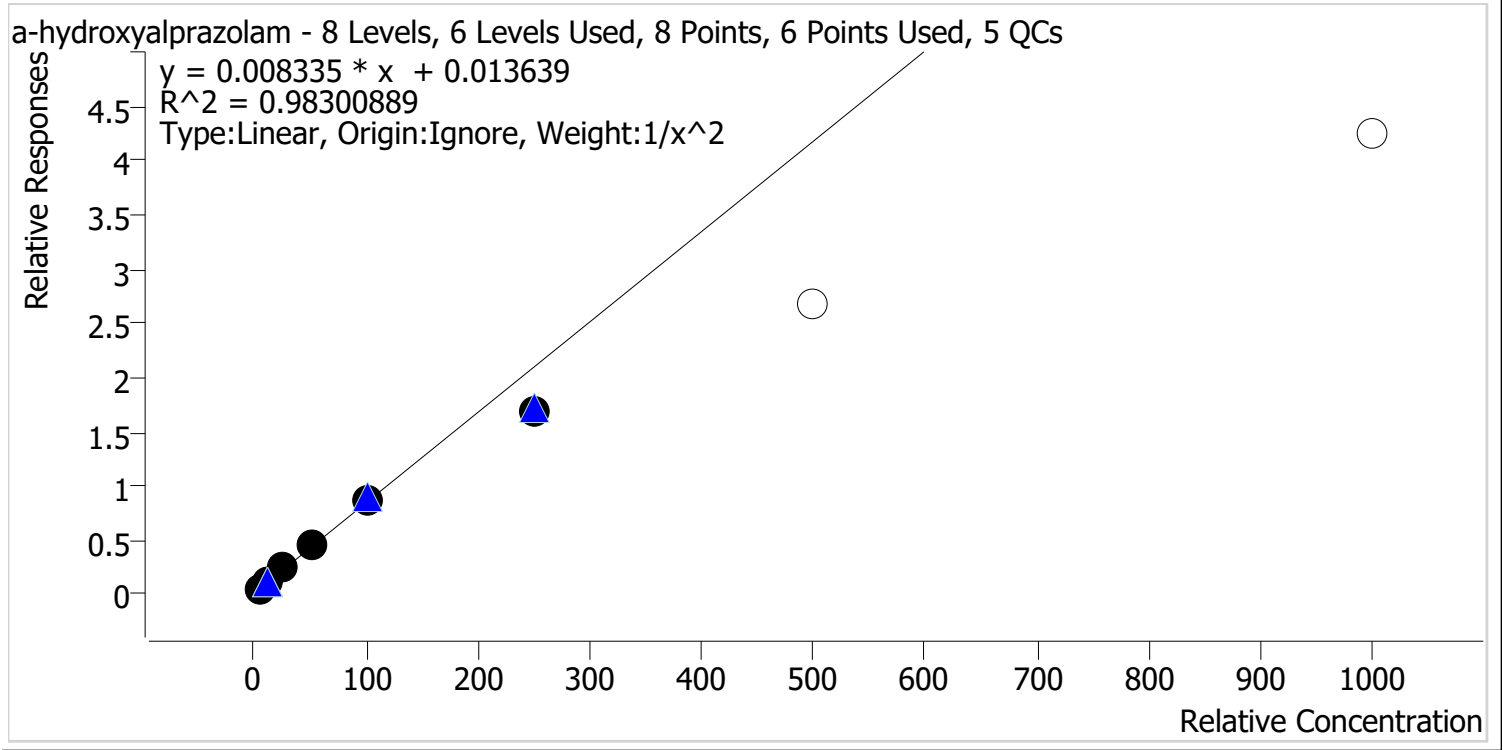
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	512.6	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1002.1	100.2

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
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	4.8	95.0
p1 Cal 2-10ng	2	✓	10.0	10.5	105.4
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.5
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	201.8	80.7
p1 Cal 7-500ng	7	x	500.0	320.9	64.2
p1 Cal 8-1000ng	8	x	1000.0	509.8	51.0

*Cal 7 and 8 dropped due to accuracy

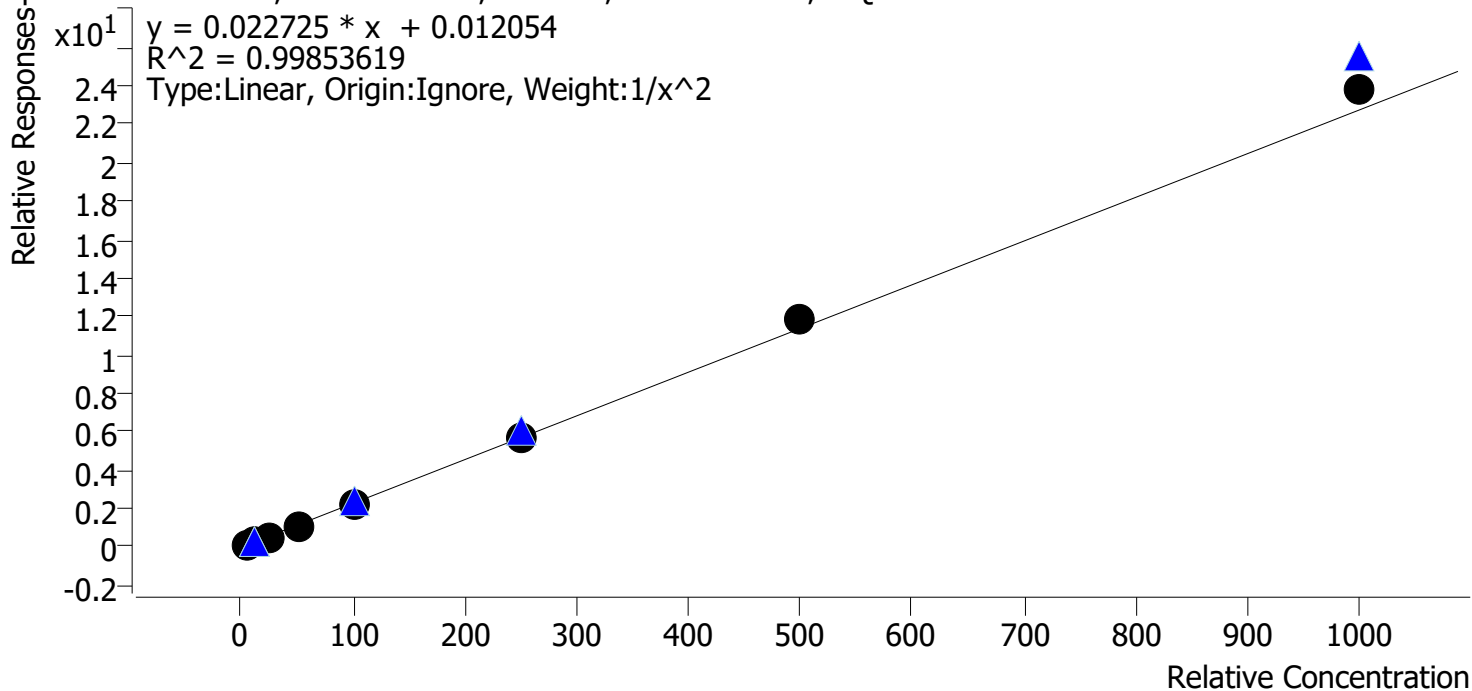
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

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



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	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
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	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	522.5	104.5
p1 Cal 8-1000ng	8	✓	1000.0	1047.7	104.8

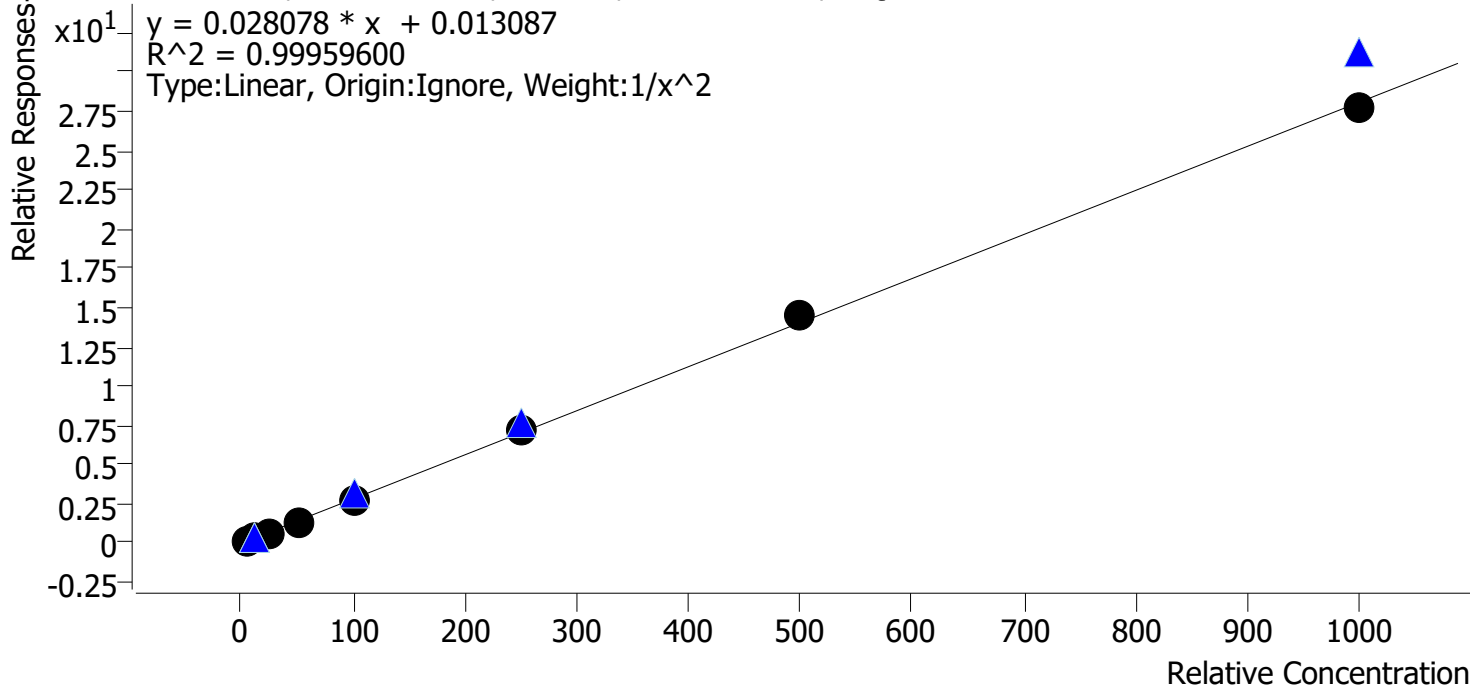
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	512.8	102.6
p1 Cal 8-1000ng	8	✓	1000.0	985.8	98.6

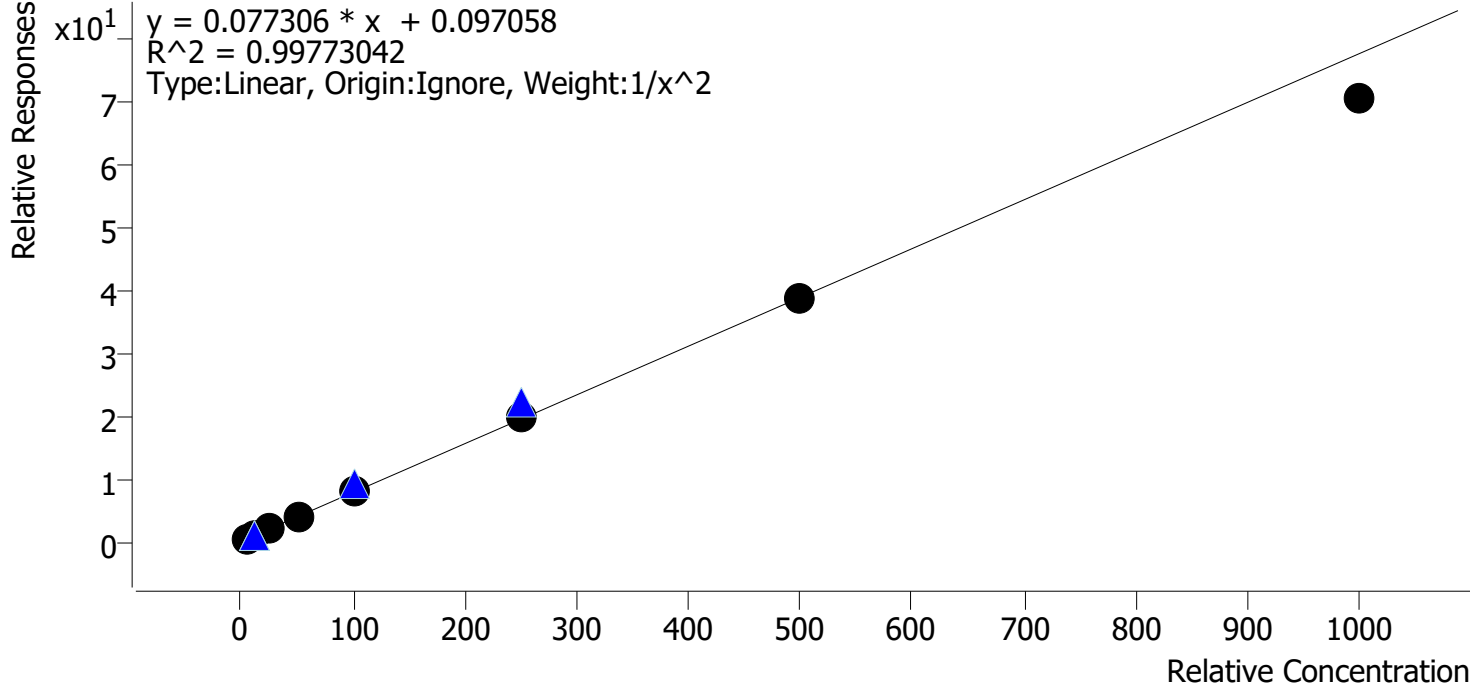
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



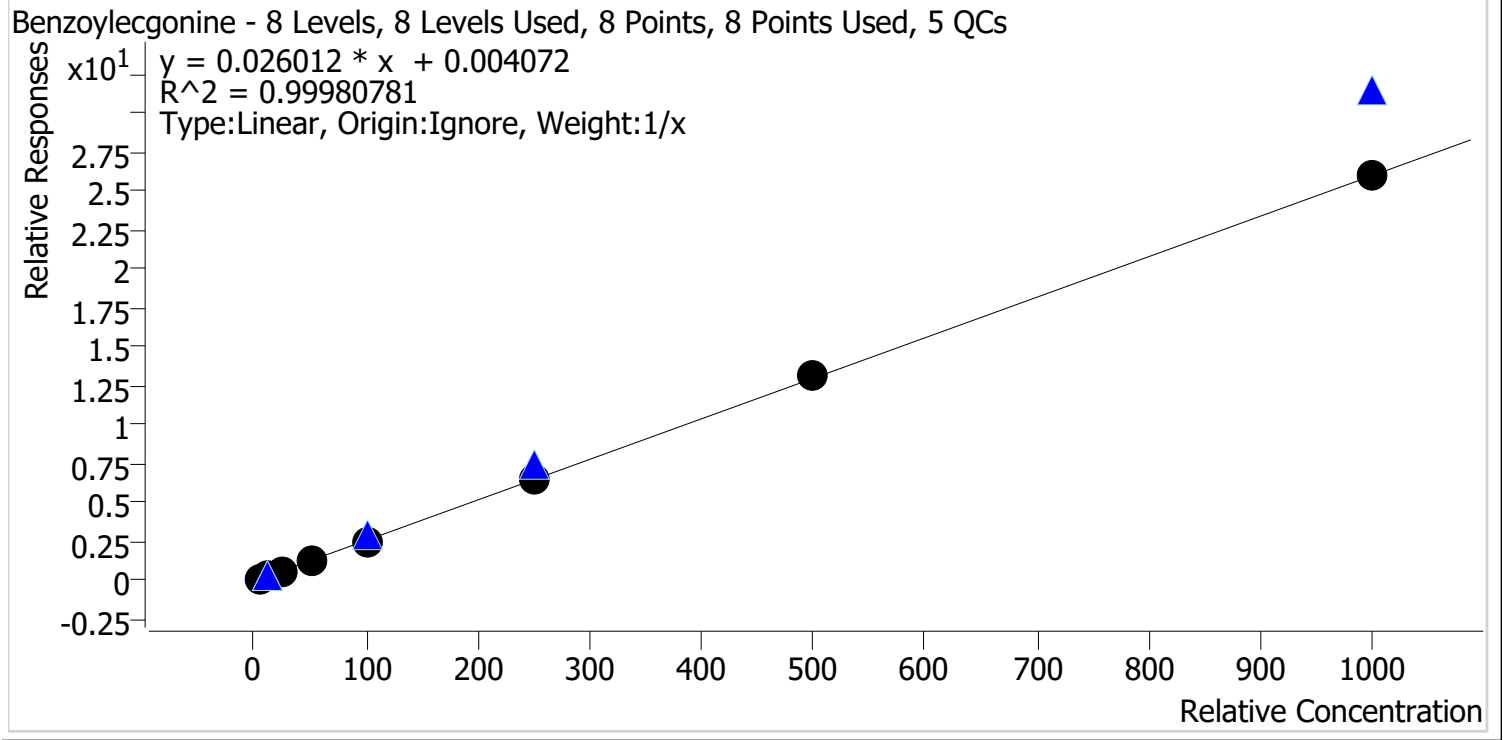
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	498.6	99.7
p1 Cal 8-1000ng	8	✓	1000.0	910.9	91.1

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Benzoyllecgonine **Internal Standard** Benzoyllecgonine-d8



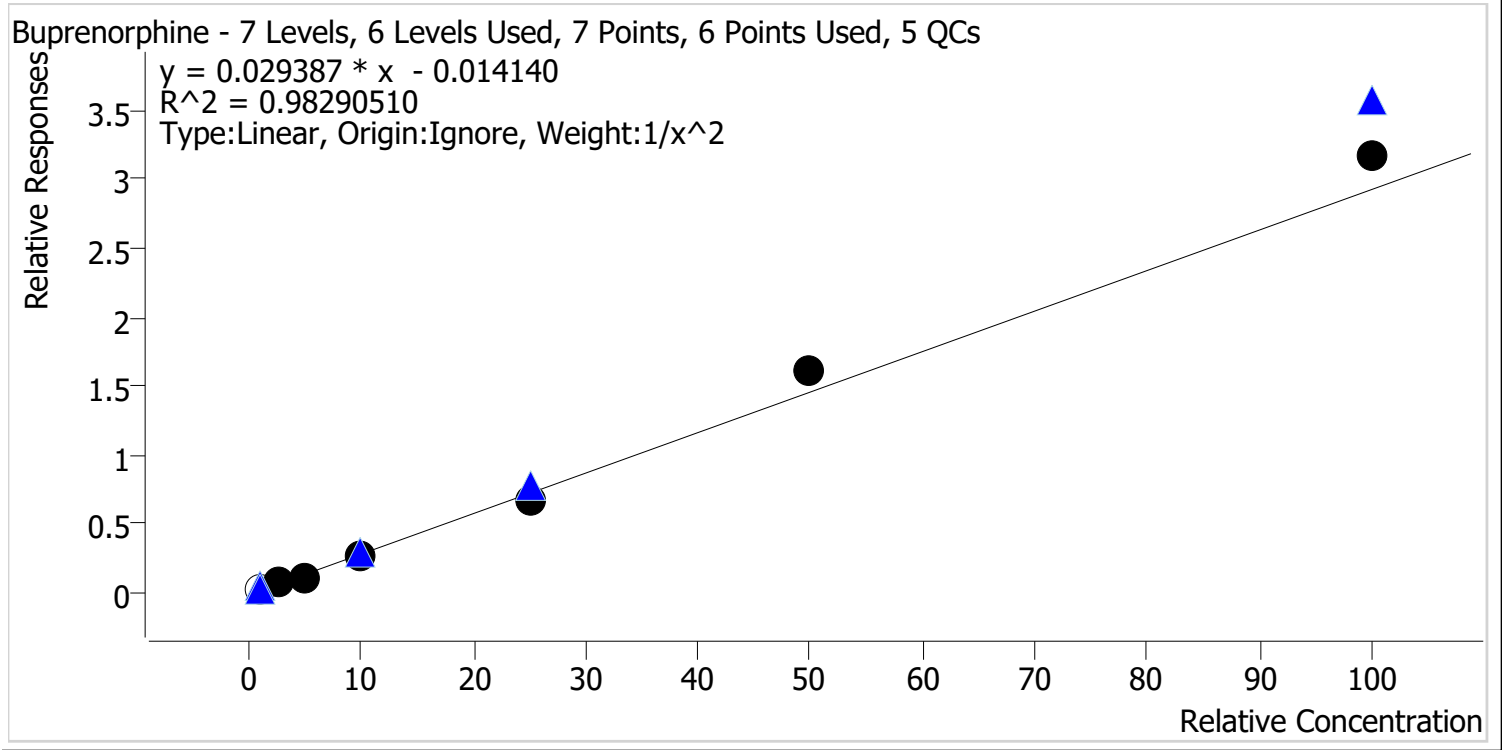
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.0	91.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	505.5	101.1
p1 Cal 8-1000ng	8	✓	1000.0	998.0	99.8

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	x	1.0	1.5	146.2
p1 Cal 3 -25ng	3	✓	2.5	2.7	109.0
p1 Cal 4-50ng	4	✓	5.0	4.3	85.8
p1 Cal 5-100ng	5	✓	10.0	9.2	91.6
p1 Cal 6-250ng	6	✓	25.0	23.7	94.8
p1 Cal 7-500ng	7	✓	50.0	55.3	110.6
p1 Cal 8-1000ng	8	✓	100.0	108.2	108.2

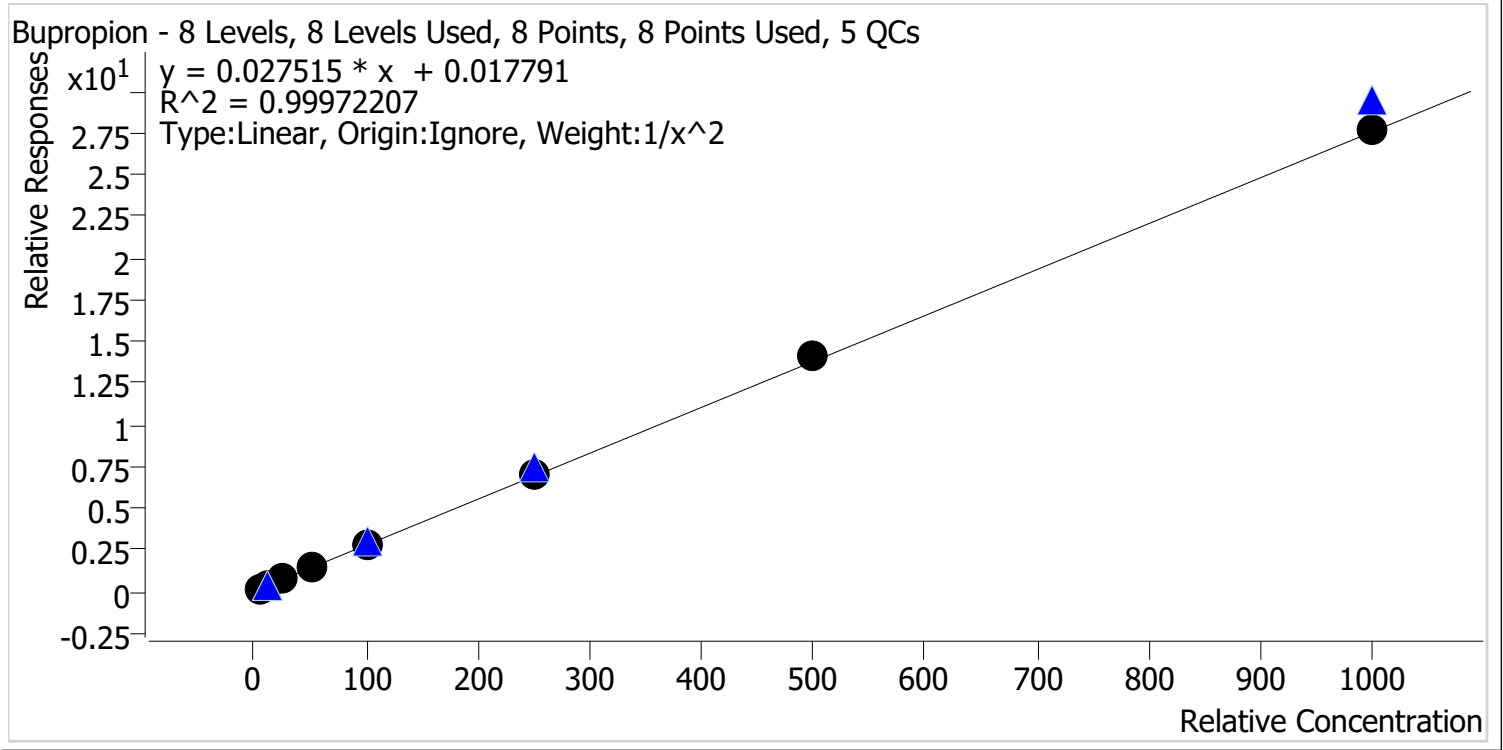
*Cal 1 dropped due to S/N being out
 *Cal 2 dropped due to accuracy

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Bupropion **Internal Standard** Bupropion-D9



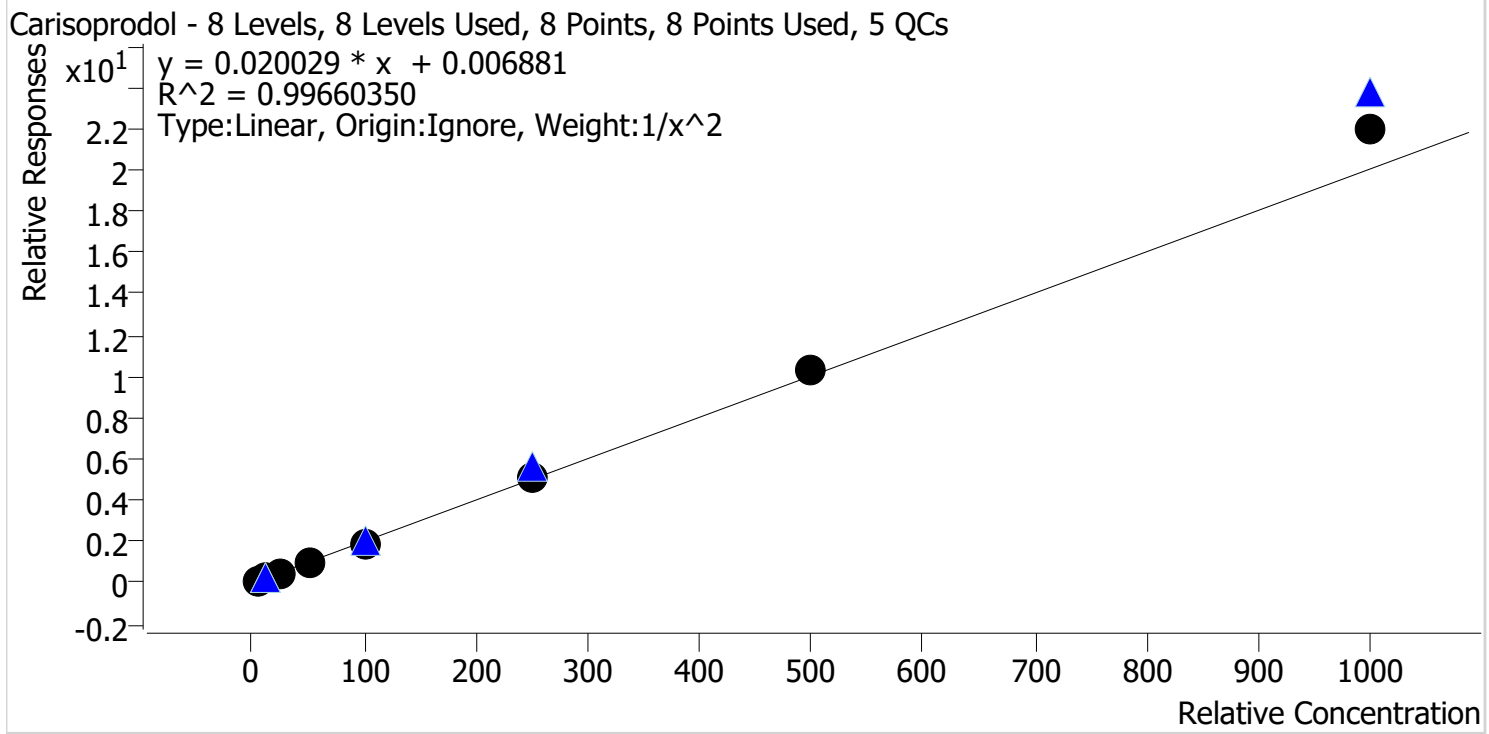
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.4	100.5
p1 Cal 7-500ng	7	✓	500.0	511.6	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1002.4	100.2

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



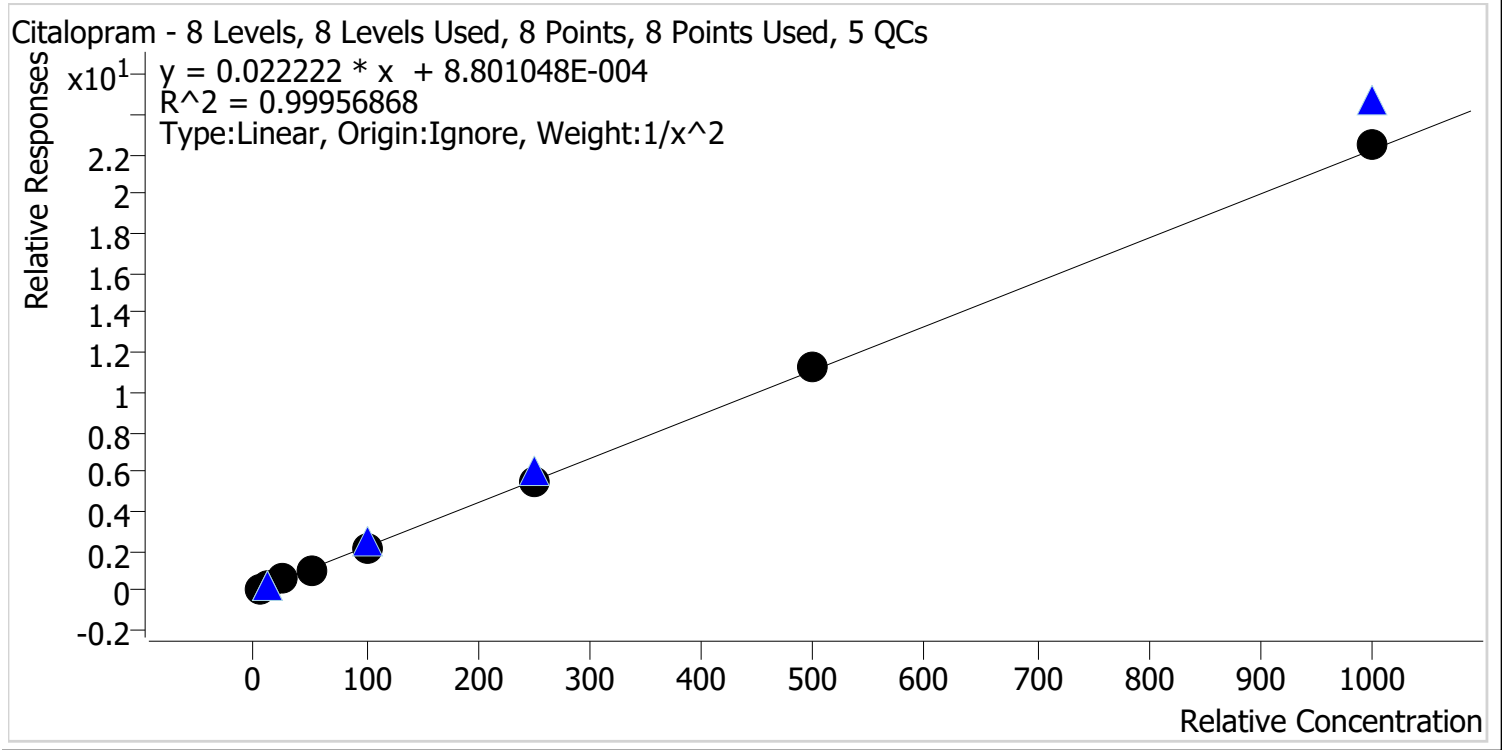
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	46.5	93.0
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	250.1	100.1
p1 Cal 7-500ng	7	✓	500.0	518.0	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1092.5	109.3

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Citalopram **Internal Standard** Citalopram-D6



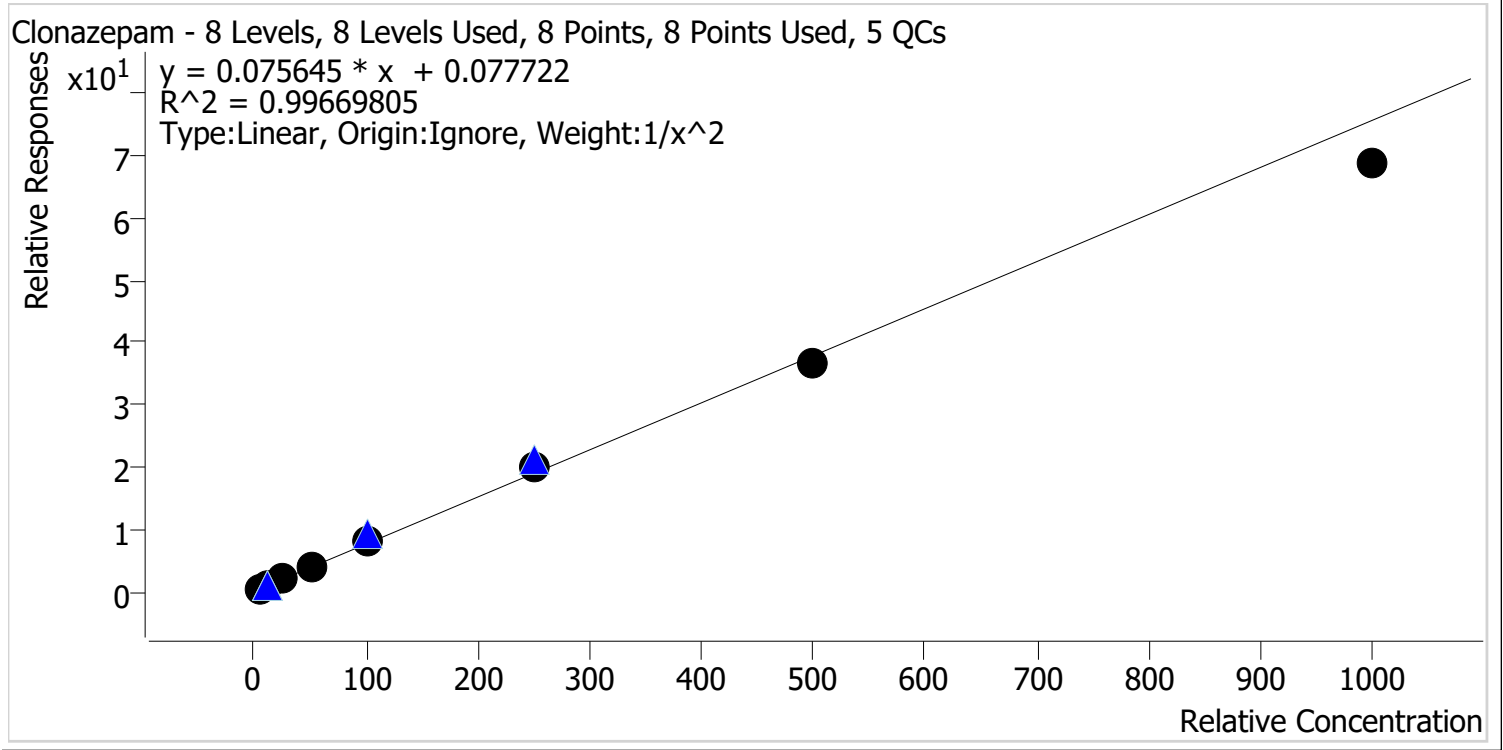
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	511.3	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1012.2	101.2

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	263.1	105.2
p1 Cal 7-500ng	7	✓	500.0	480.9	96.2
p1 Cal 8-1000ng	8	✓	1000.0	905.6	90.6

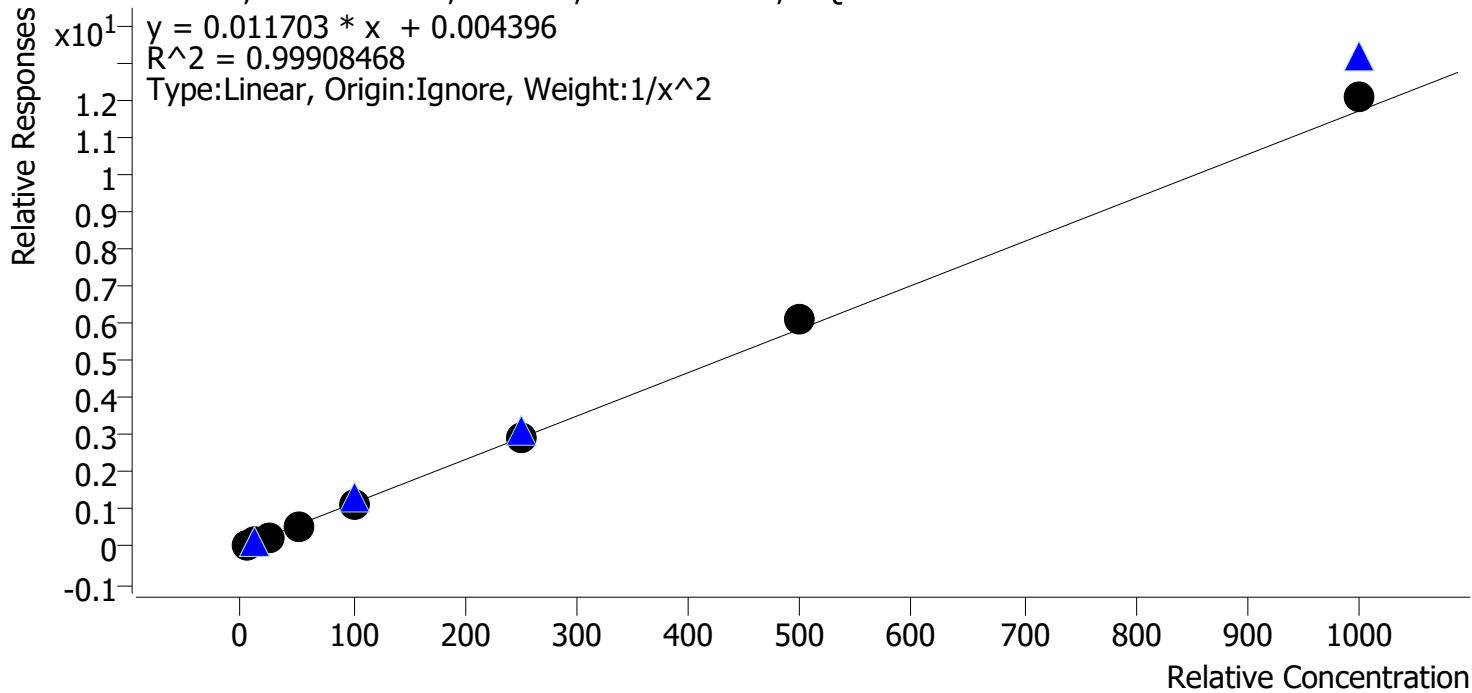
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Cocaine **Internal Standard** Cocaine-d3

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



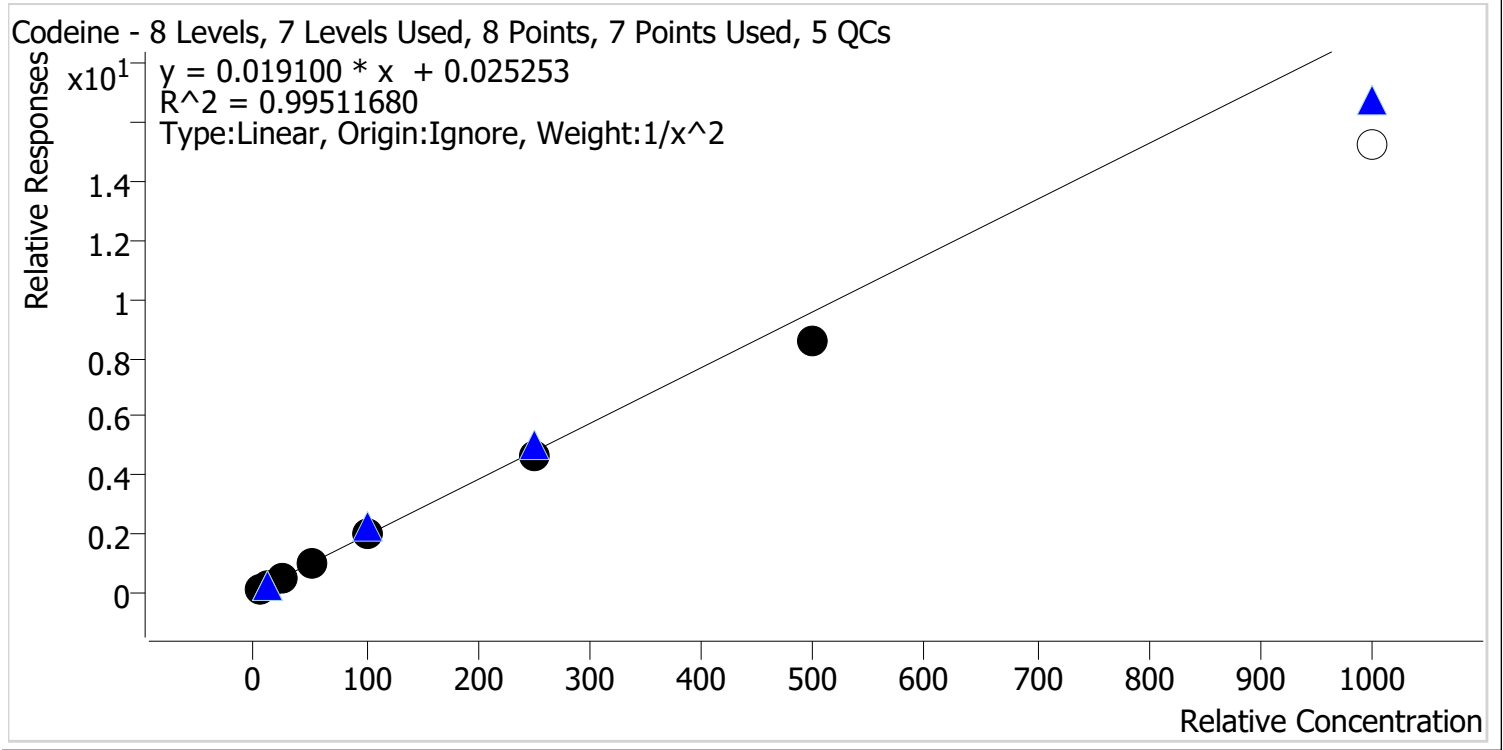
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	519.2	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1036.2	103.6

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
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	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	448.6	89.7
p1 Cal 8-1000ng	8	✗	1000.0	797.7	79.8

*Cal 8 dropped due to accuracy

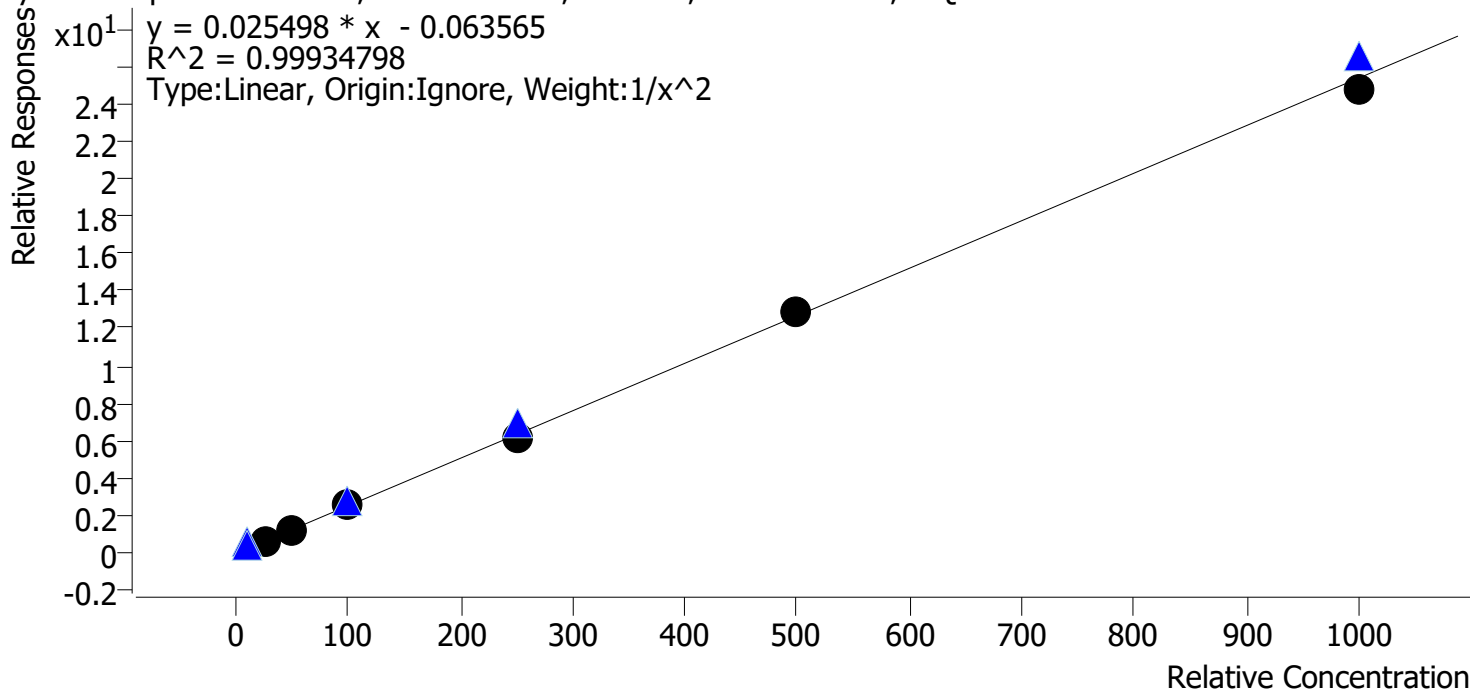
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

Cyclobenzaprine - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	245.1	98.0
p1 Cal 7-500ng	7	✓	500.0	510.7	102.1
p1 Cal 8-1000ng	8	✓	1000.0	975.4	97.5

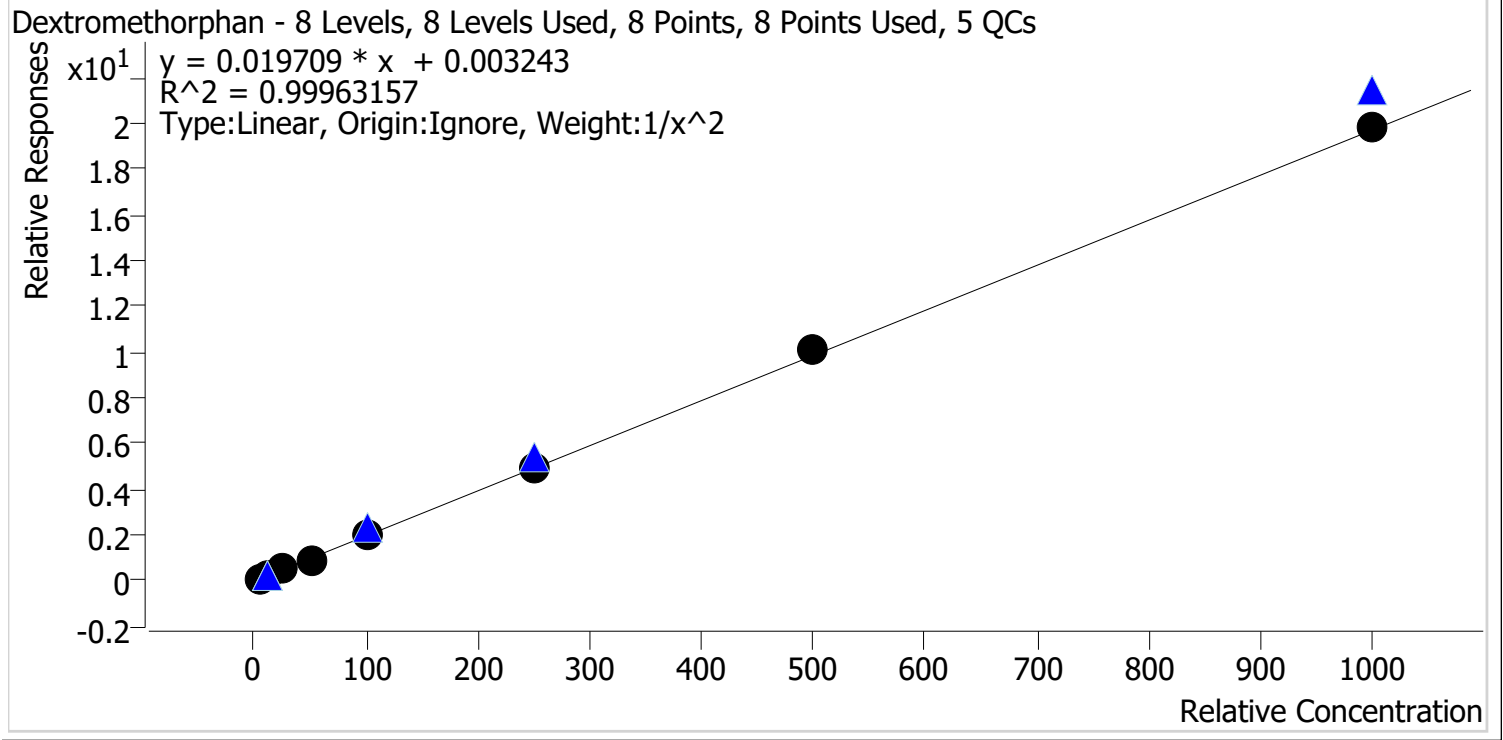
Compound not evaluated

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3



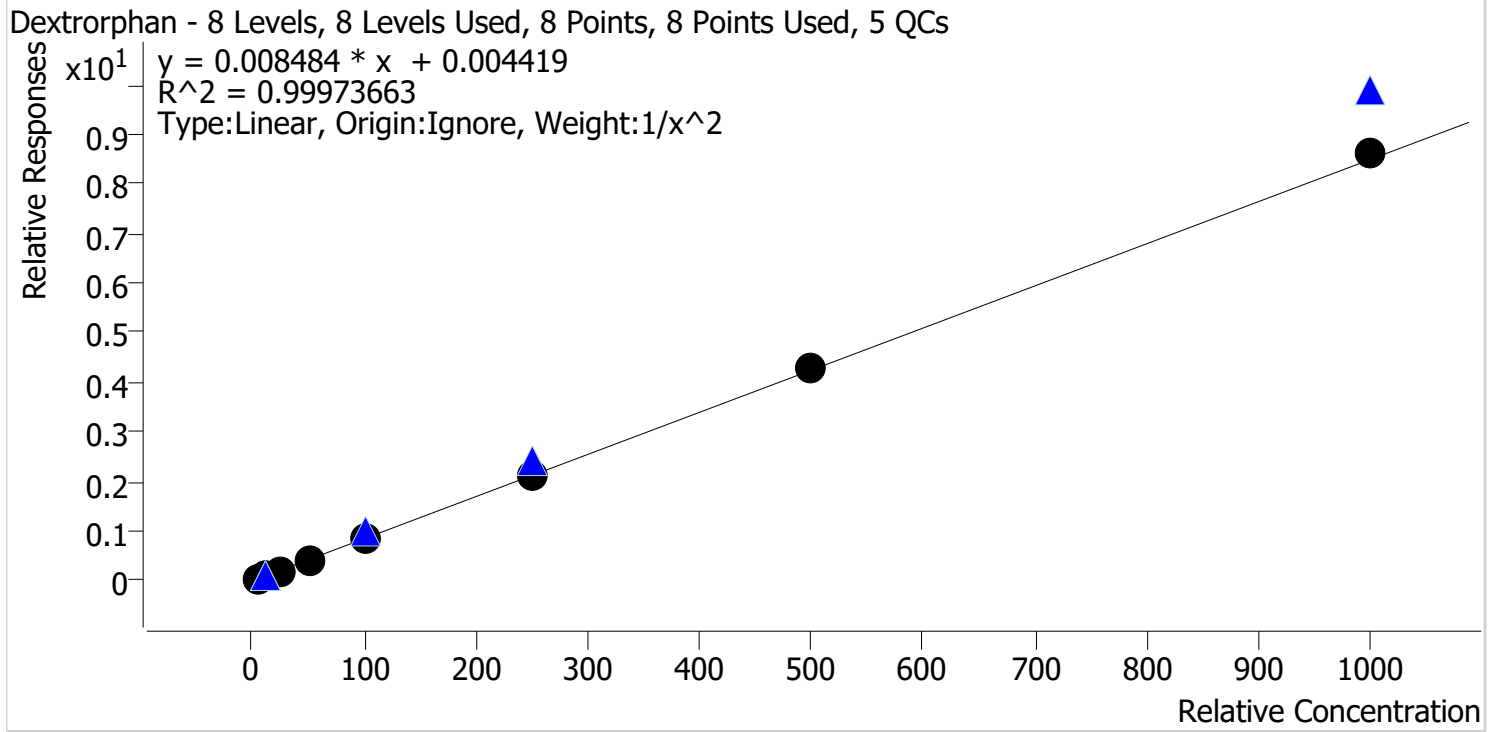
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	48.5	96.9
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	509.7	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1007.4	100.7

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Dextrophan Internal Standard Dextrophan-D3



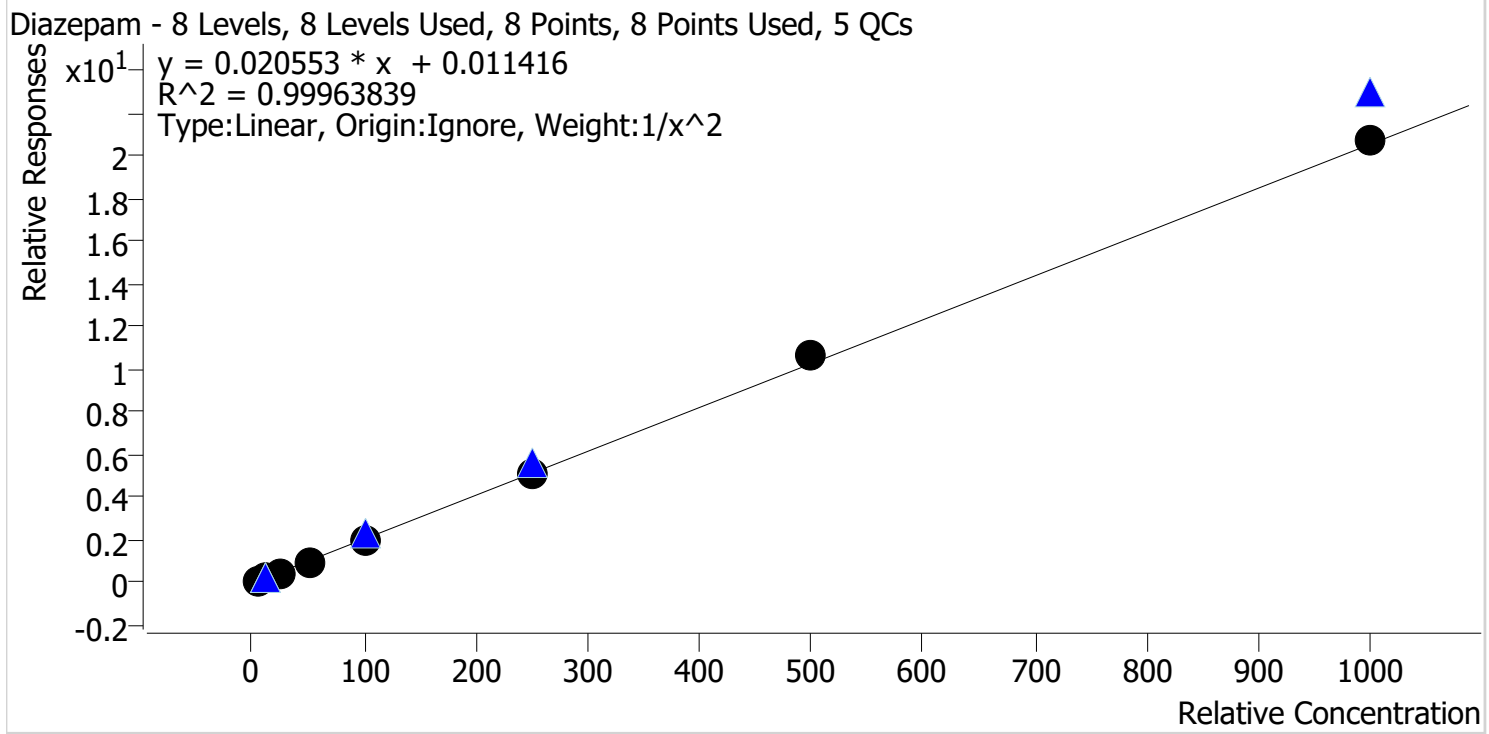
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	508.6	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1017.2	101.7

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Diazepam **Internal Standard** Diazepam-D5



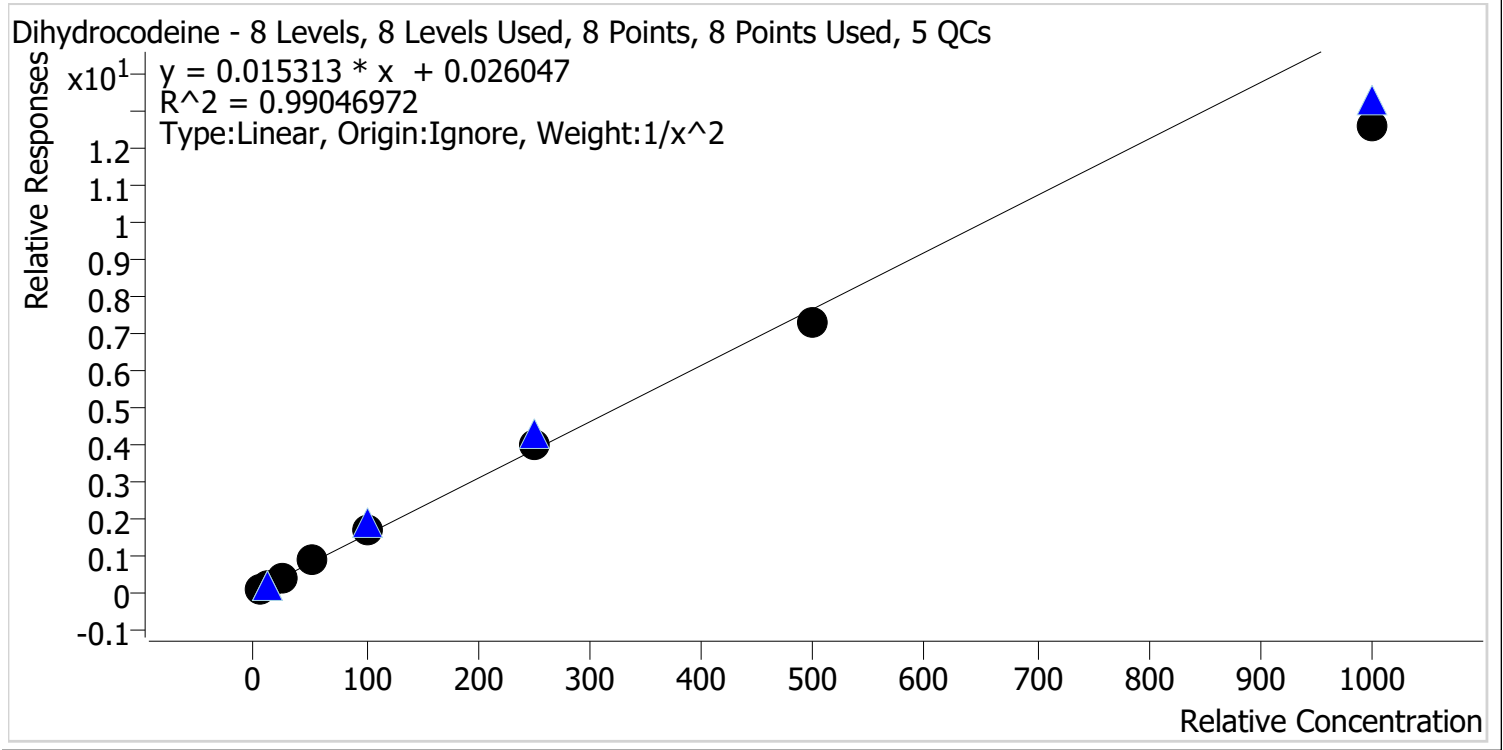
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	516.0	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1008.2	100.8

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



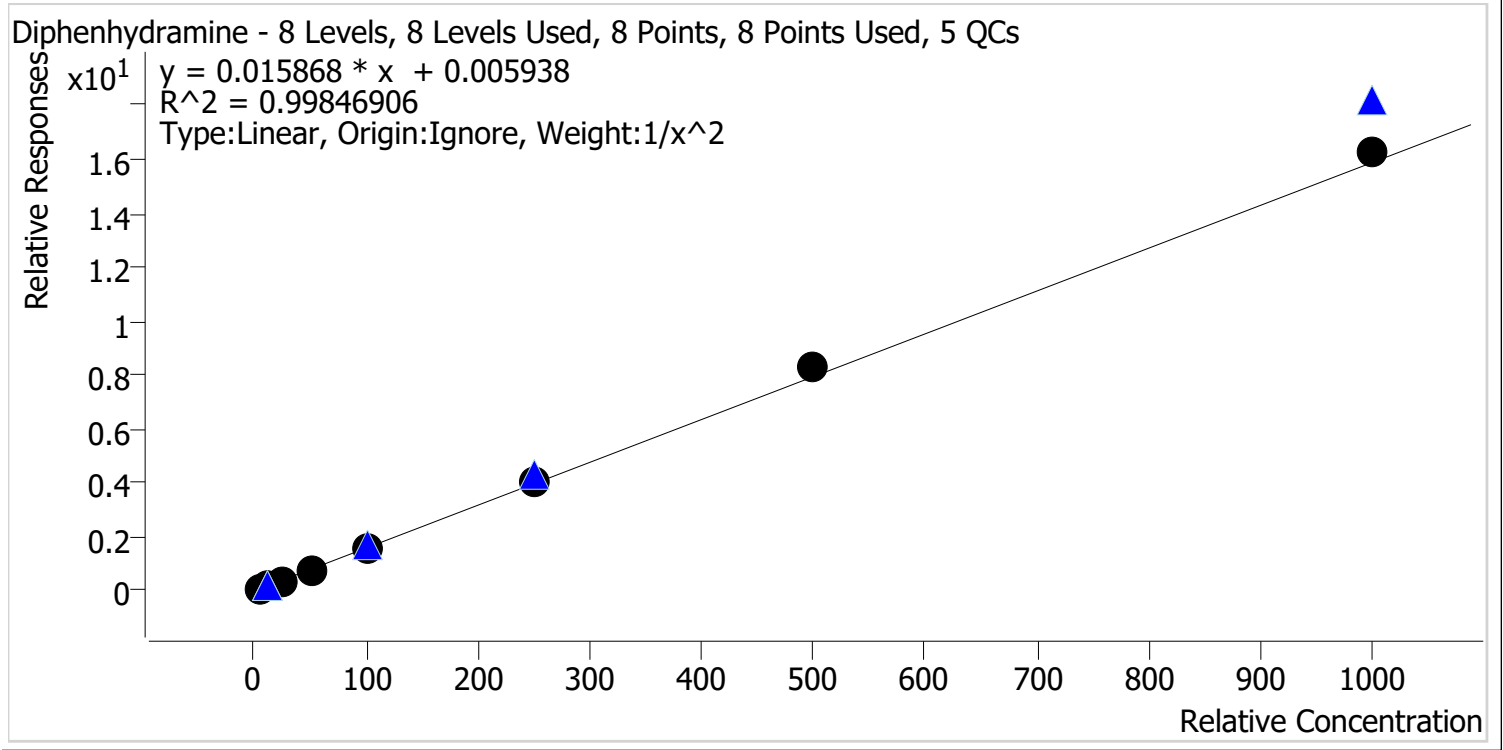
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	108.0	108.0
p1 Cal 6-250ng	6	✓	250.0	259.2	103.7
p1 Cal 7-500ng	7	✓	500.0	474.1	94.8
p1 Cal 8-1000ng	8	✓	1000.0	824.3	82.4

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3



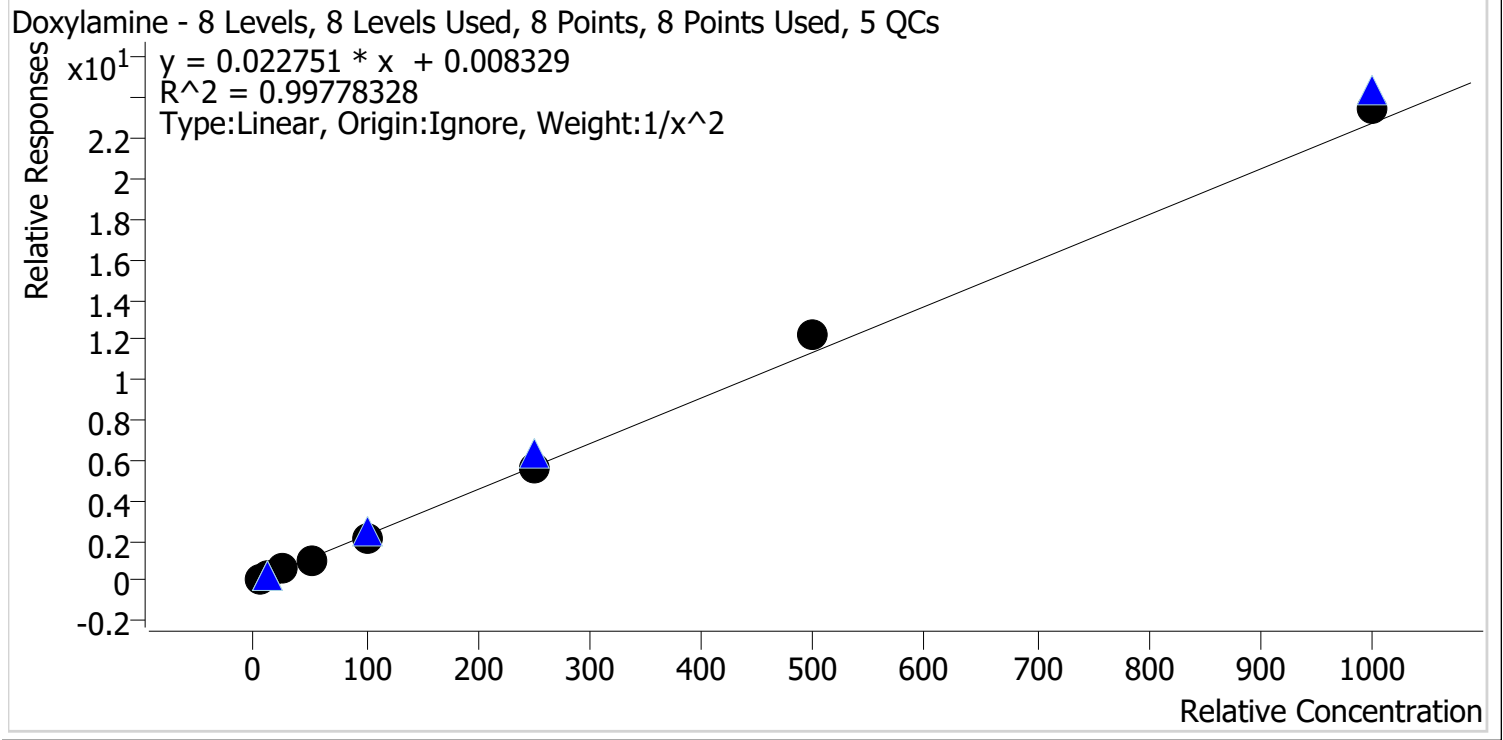
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.6
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	525.6	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1022.4	102.2

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Doxylamine **Internal Standard** Doxylamine-D5



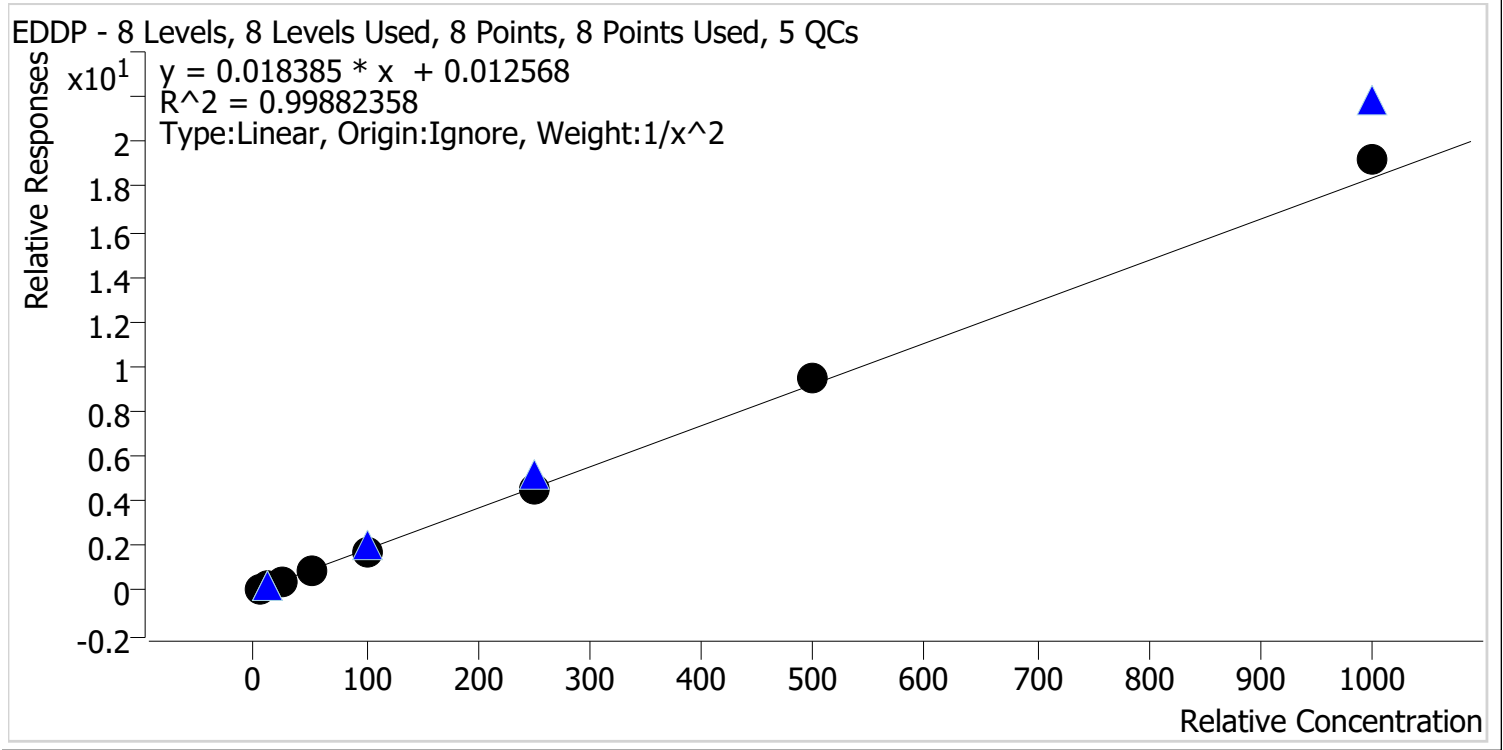
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	538.9	107.8
p1 Cal 8-1000ng	8	✓	1000.0	1028.8	102.9

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte EDDP **Internal Standard** EDDP-D3



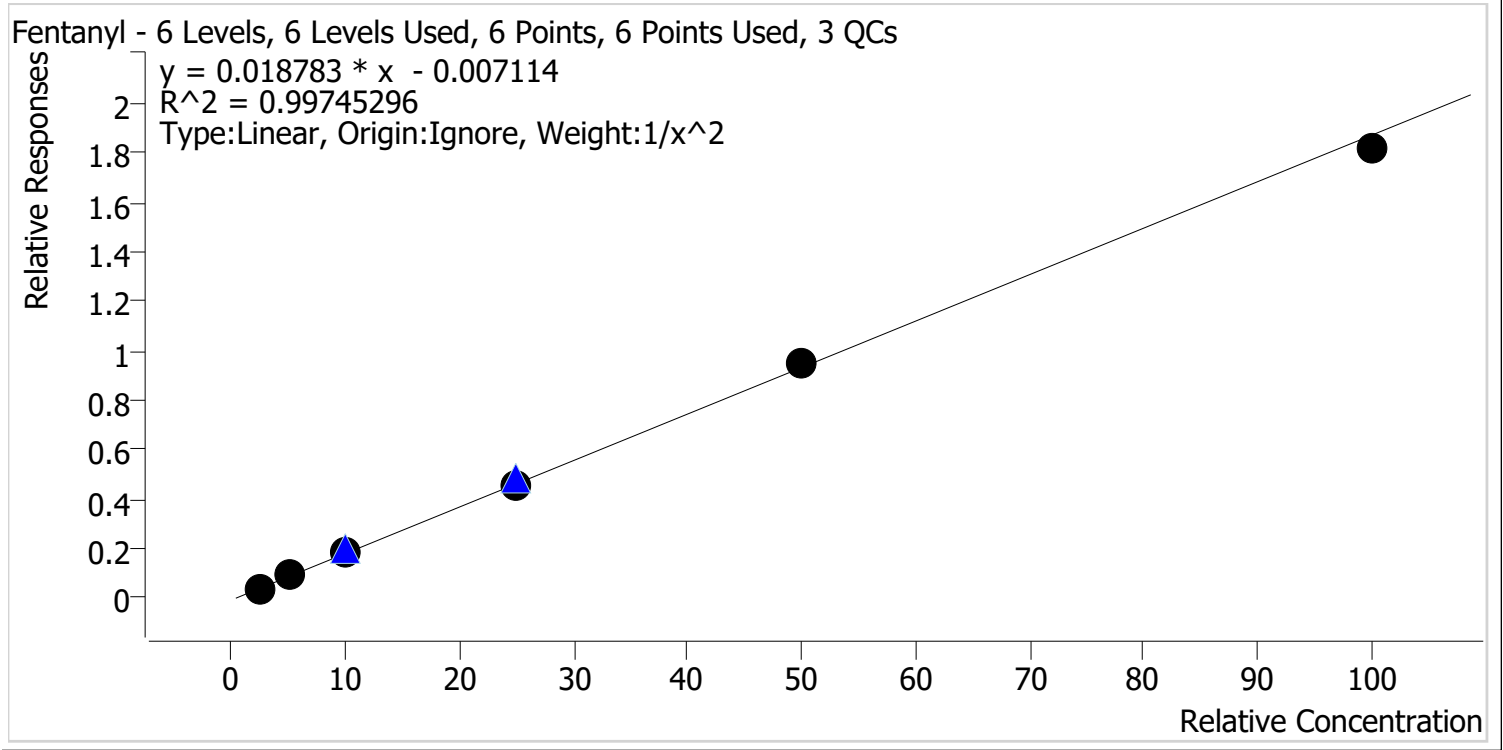
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	518.7	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1043.1	104.3

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Fentanyl **Internal Standard** Fentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.9
p1 Cal 4-50ng	4	✓	5.0	5.4	107.0
p1 Cal 5-100ng	5	✓	10.0	9.9	99.4
p1 Cal 6-250ng	6	✓	25.0	24.3	97.4
p1 Cal 7-500ng	7	✓	50.0	51.2	102.4
p1 Cal 8-1000ng	8	✓	100.0	96.9	96.9

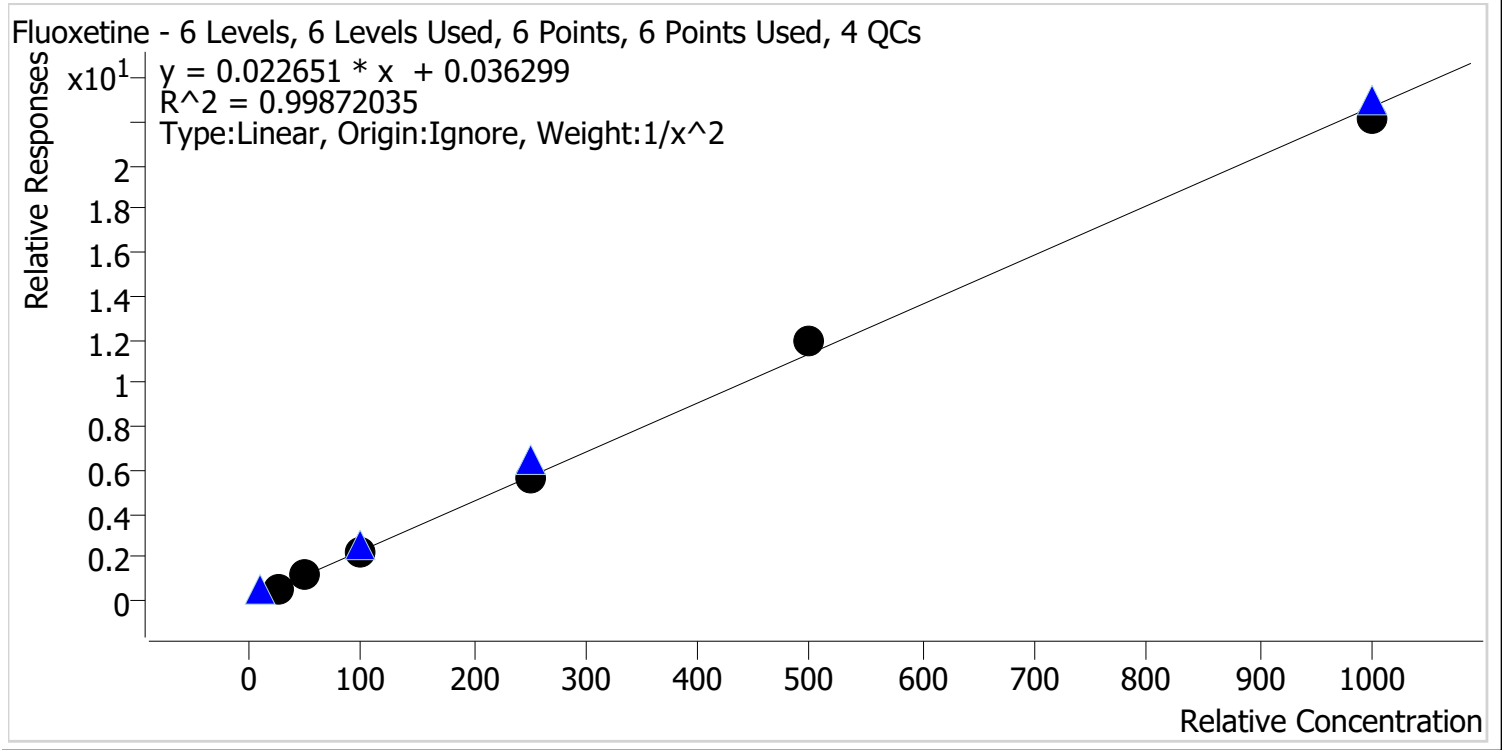
*Cal 1 and 2 dropped due to S/N being out

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	526.6	105.3
p1 Cal 8-1000ng	8	✓	1000.0	975.2	97.5

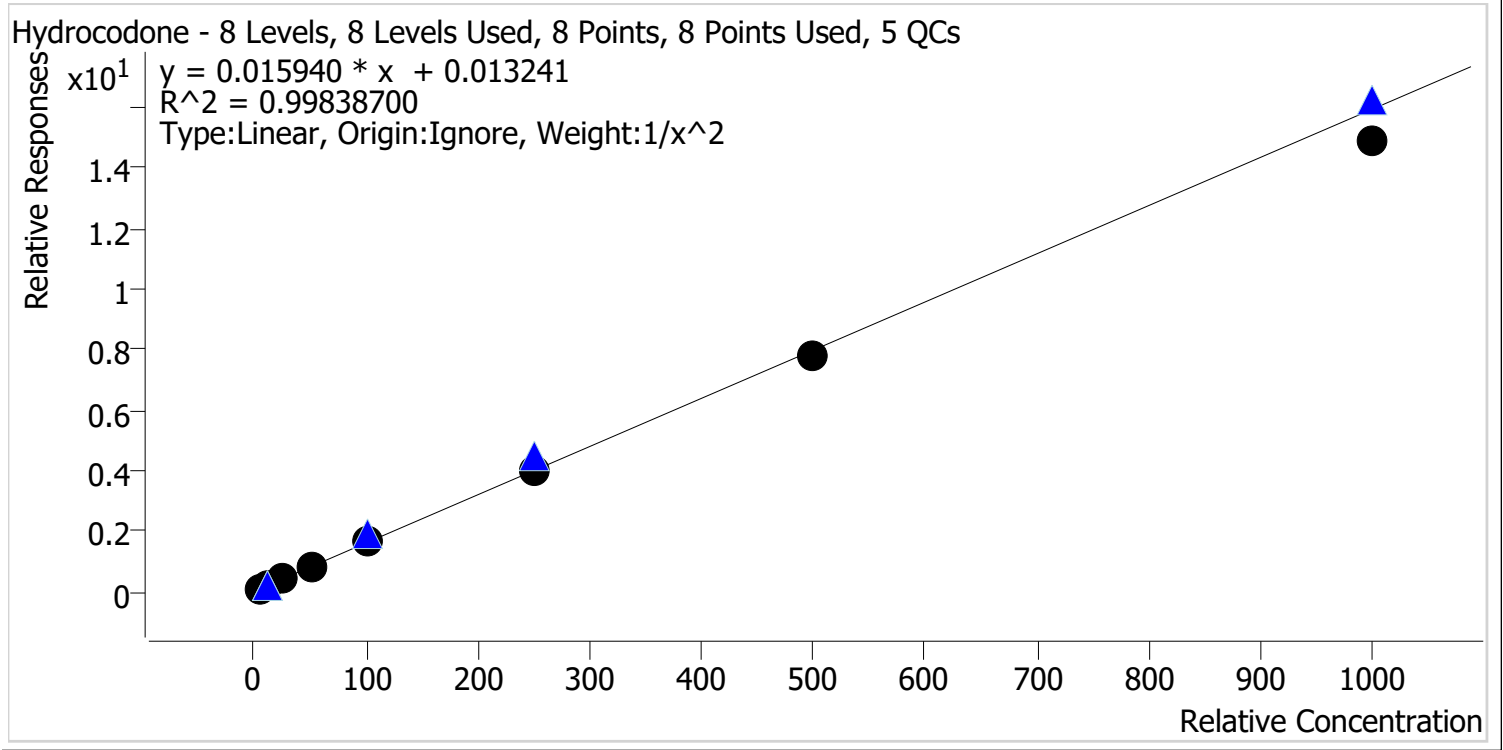
Compound not evaluated

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



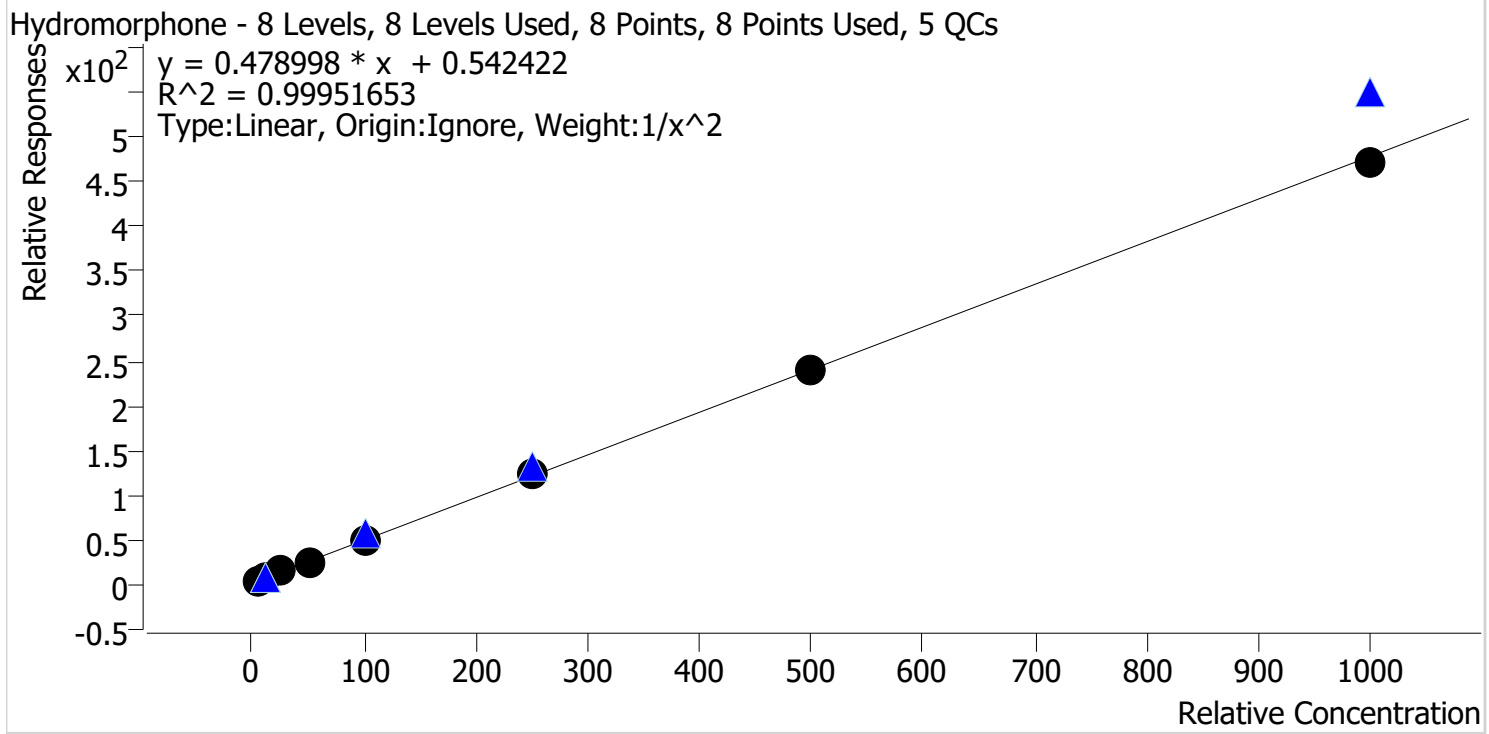
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.6
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	489.5	97.9
p1 Cal 8-1000ng	8	✓	1000.0	938.2	93.8

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Hydromorphone **Internal Standard** Morphine-D6



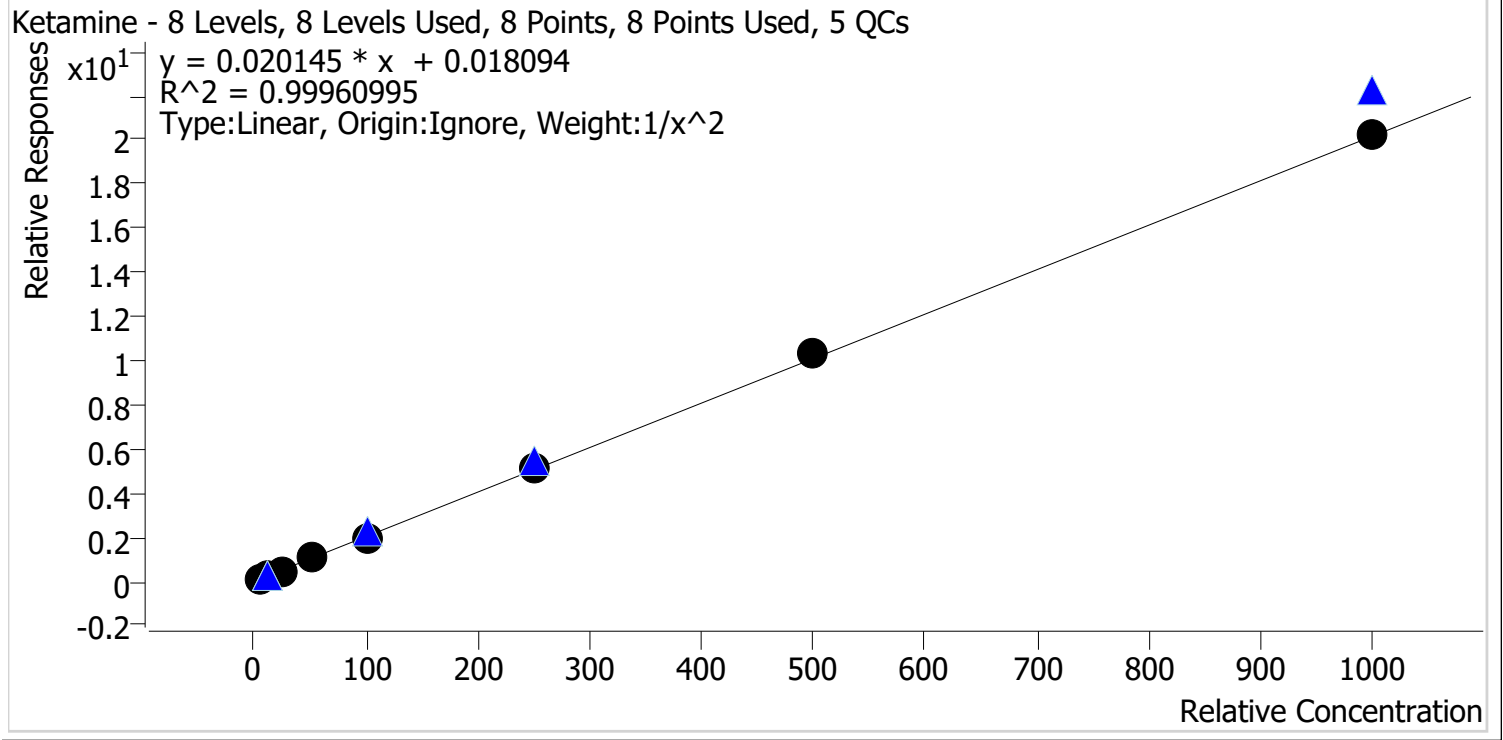
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	496.2	99.2
p1 Cal 8-1000ng	8	✓	1000.0	986.7	98.7

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	511.4	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1004.2	100.4

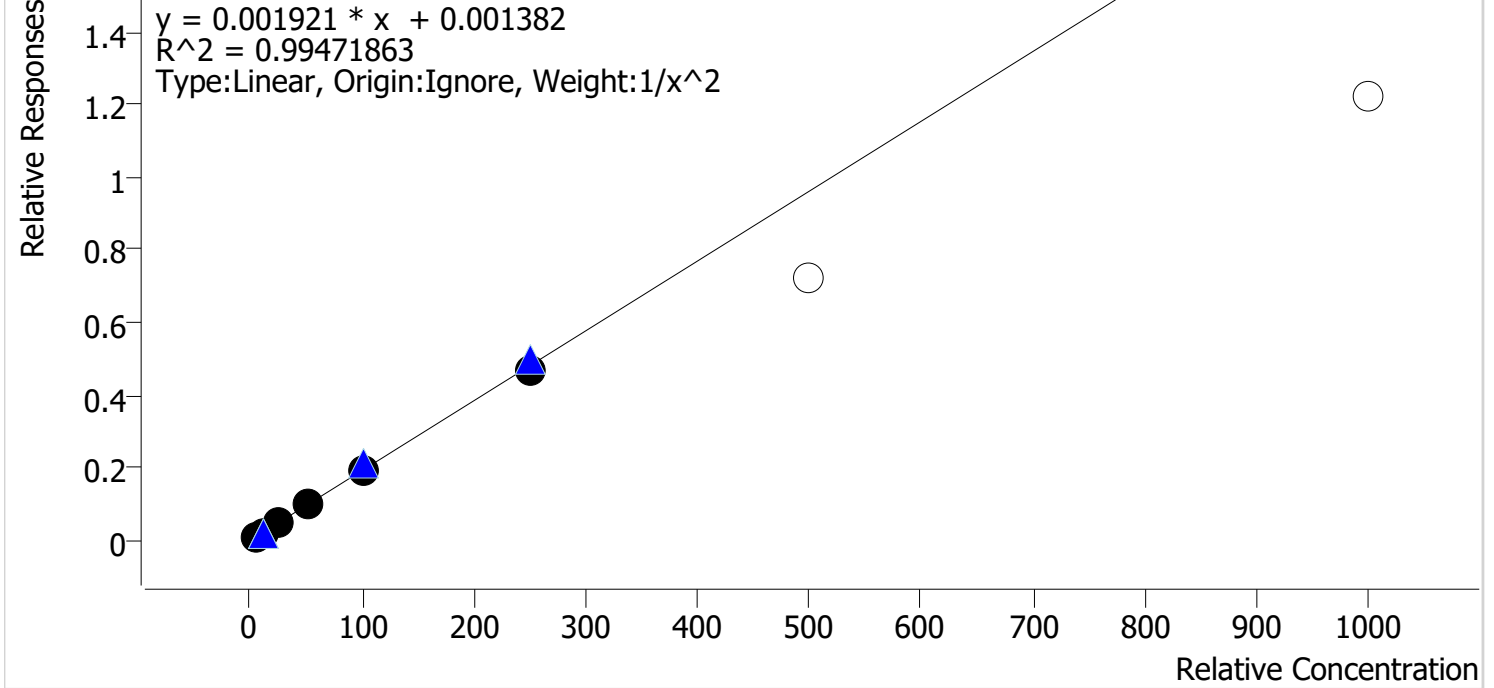
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Lamotrigine **Internal Standard** Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.1	90.9
p1 Cal 3 -25ng	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng	4	✓	50.0	53.8	107.7
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	241.1	96.4
p1 Cal 7-500ng	7	✗	500.0	374.4	74.9
p1 Cal 8-1000ng	8	✗	1000.0	636.3	63.6

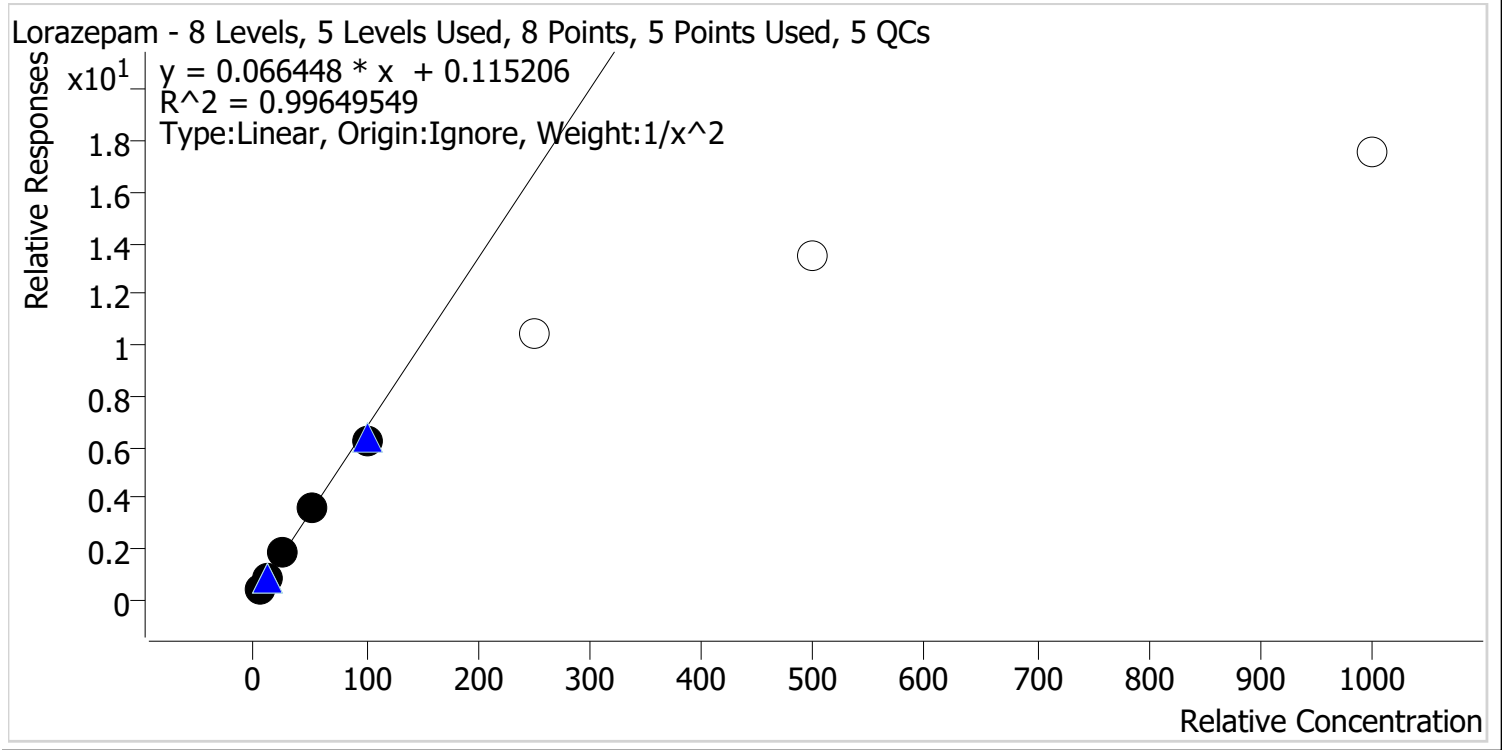
*Cal 7 and 8 dropped due to accuracy

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
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	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	92.8	92.8
p1 Cal 6-250ng	6	x	250.0	156.3	62.5
p1 Cal 7-500ng	7	x	500.0	202.2	40.4
p1 Cal 8-1000ng	8	x	1000.0	263.8	26.4

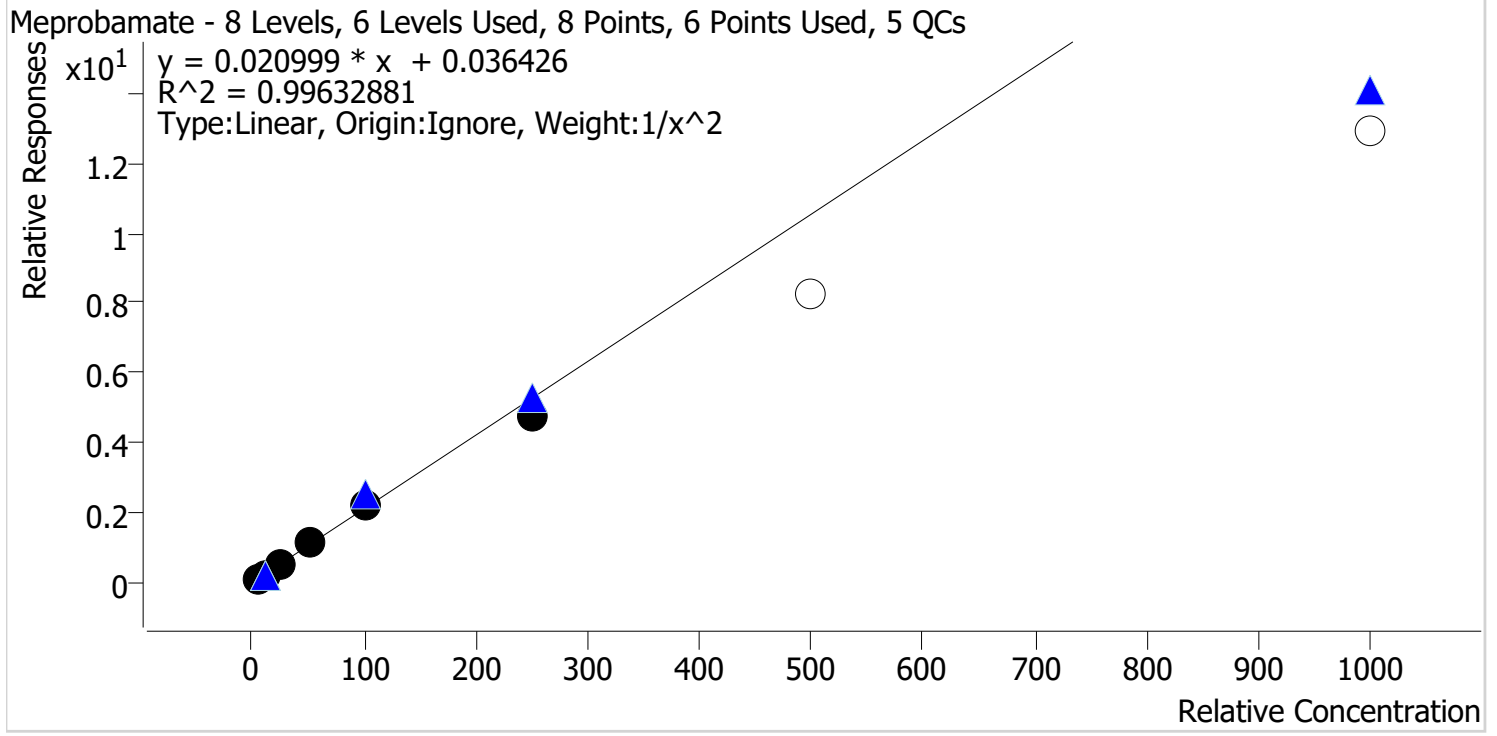
*Cal 6,7, and 8 dropped due to accuracy

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
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	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	226.9	90.8
p1 Cal 7-500ng	7	x	500.0	390.9	78.2
p1 Cal 8-1000ng	8	x	1000.0	614.4	61.4

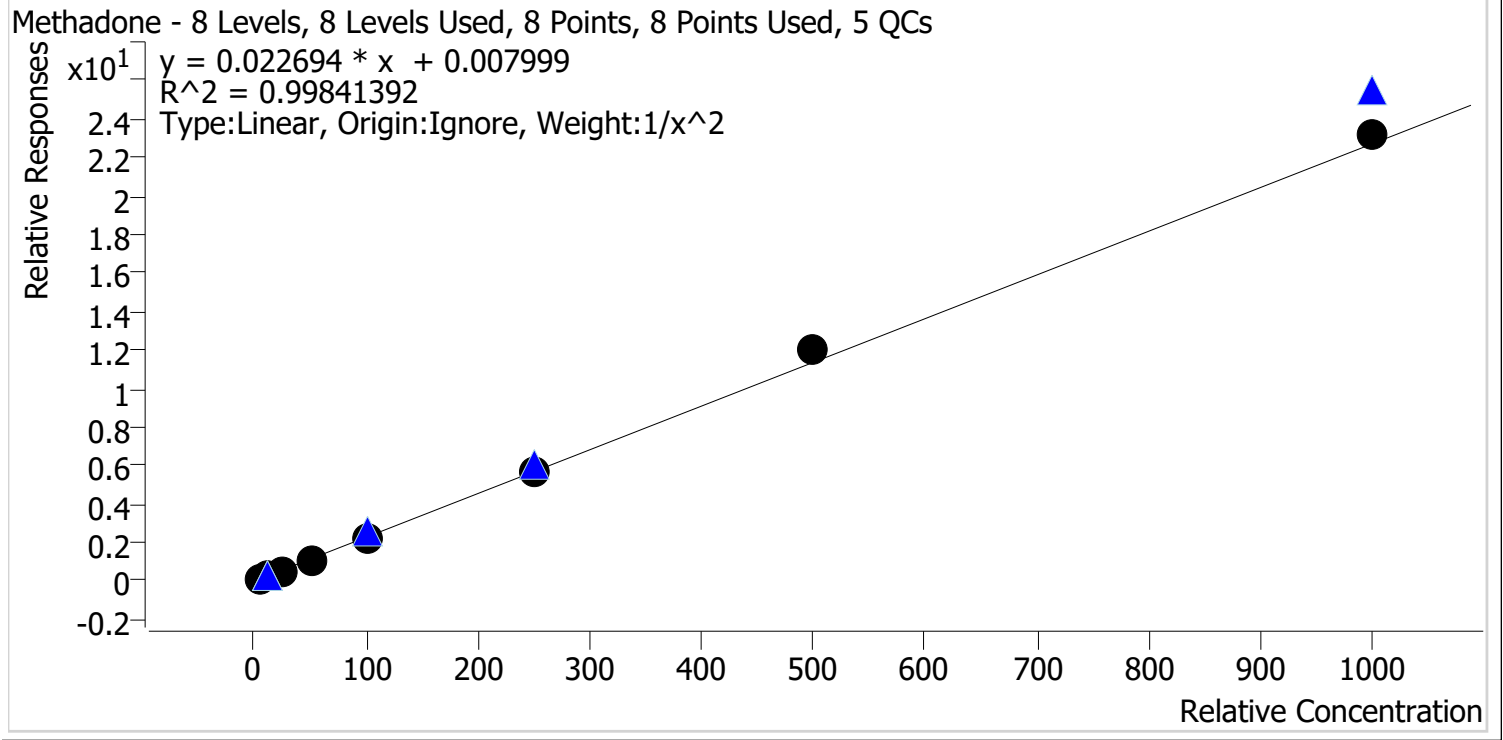
*Cal 7 and 8 dropped due to accuracy

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Methadone **Internal Standard** Methadone-D9



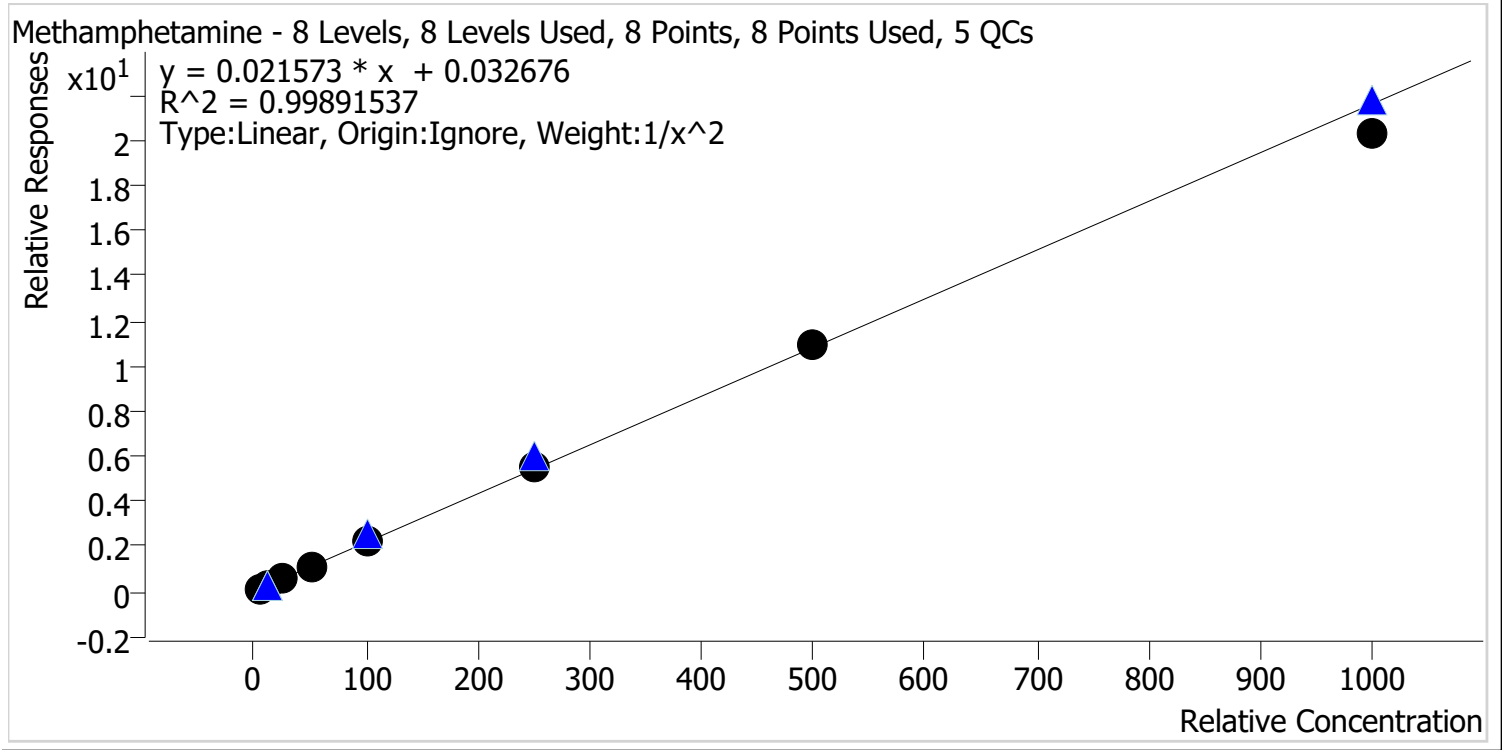
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	530.4	106.1
p1 Cal 8-1000ng	8	✓	1000.0	1019.4	101.9

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
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	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	256.9	102.8
p1 Cal 7-500ng	7	✓	500.0	504.7	100.9
p1 Cal 8-1000ng	8	✓	1000.0	941.3	94.1

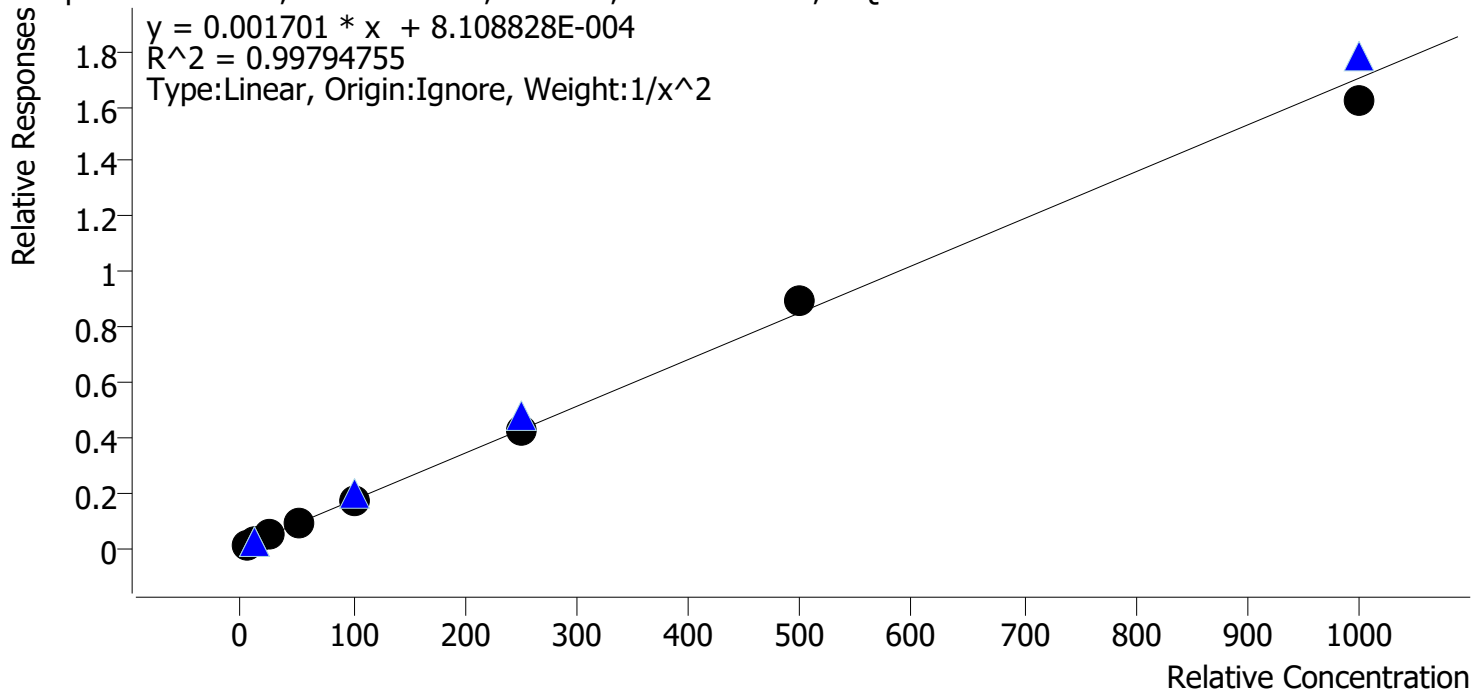
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

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



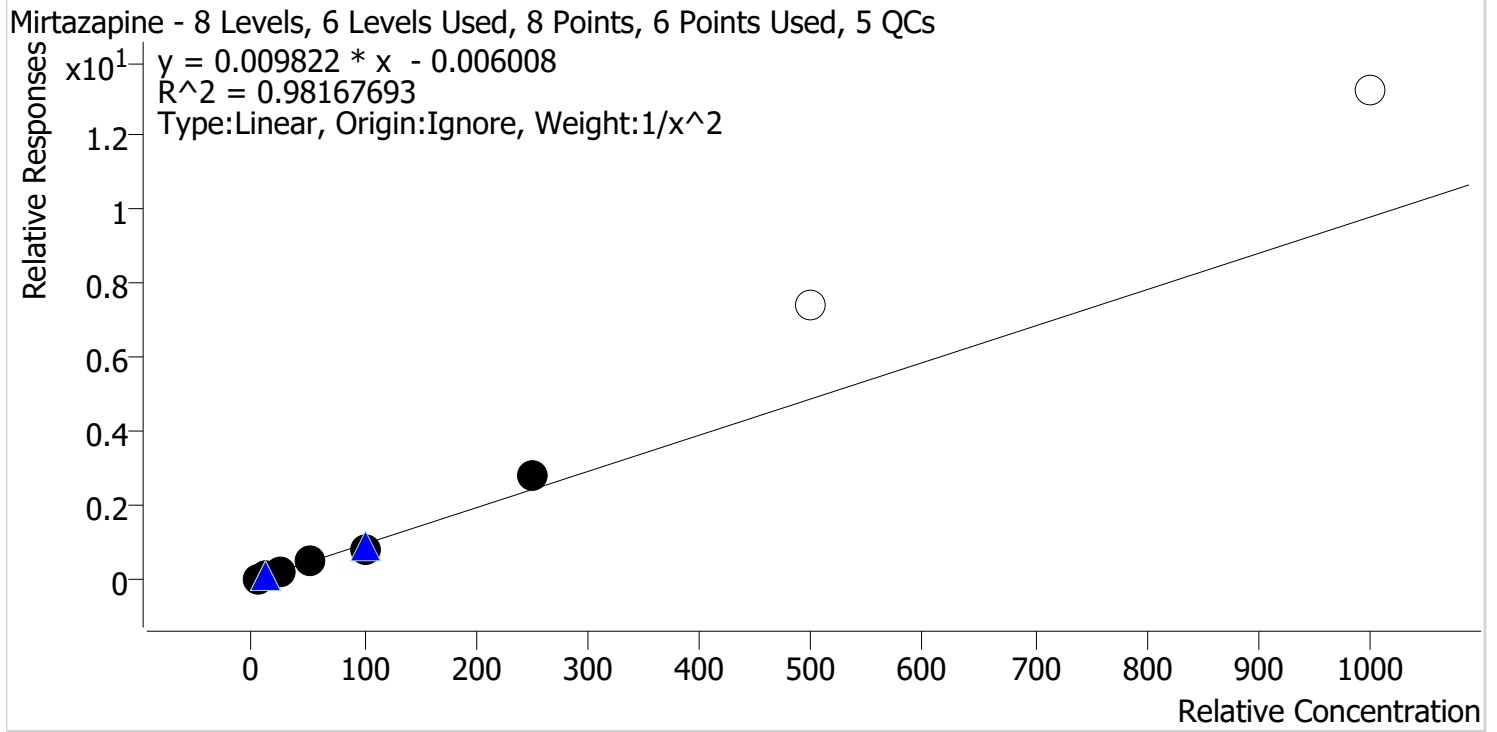
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.7	107.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	522.7	104.5
p1 Cal 8-1000ng	8	✓	1000.0	953.3	95.3

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	81.7	81.7
p1 Cal 6-250ng	6	✓	250.0	290.1	116.0
p1 Cal 7-500ng	7	x	500.0	762.6	152.5
p1 Cal 8-1000ng	8	x	1000.0	1348.0	134.8

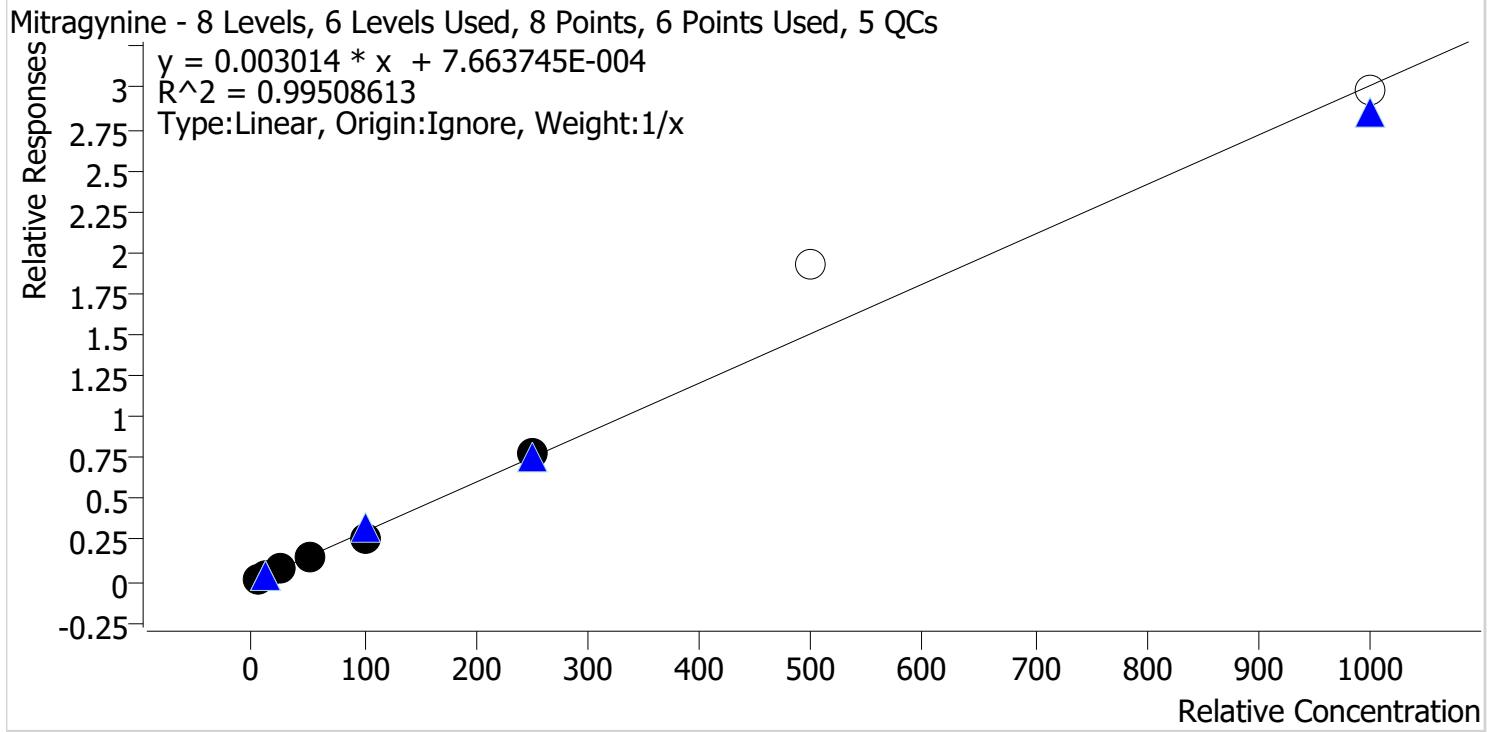
*Cal 7 and 8 dropped due to accuracy

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Mitragynine **Internal Standard** Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	47.5	95.1
p1 Cal 5-100ng	5	✓	100.0	90.0	90.0
p1 Cal 6-250ng	6	✓	250.0	261.7	104.7
p1 Cal 7-500ng	7	x	500.0	642.9	128.6
p1 Cal 8-1000ng	8	x	1000.0	989.7	99.0

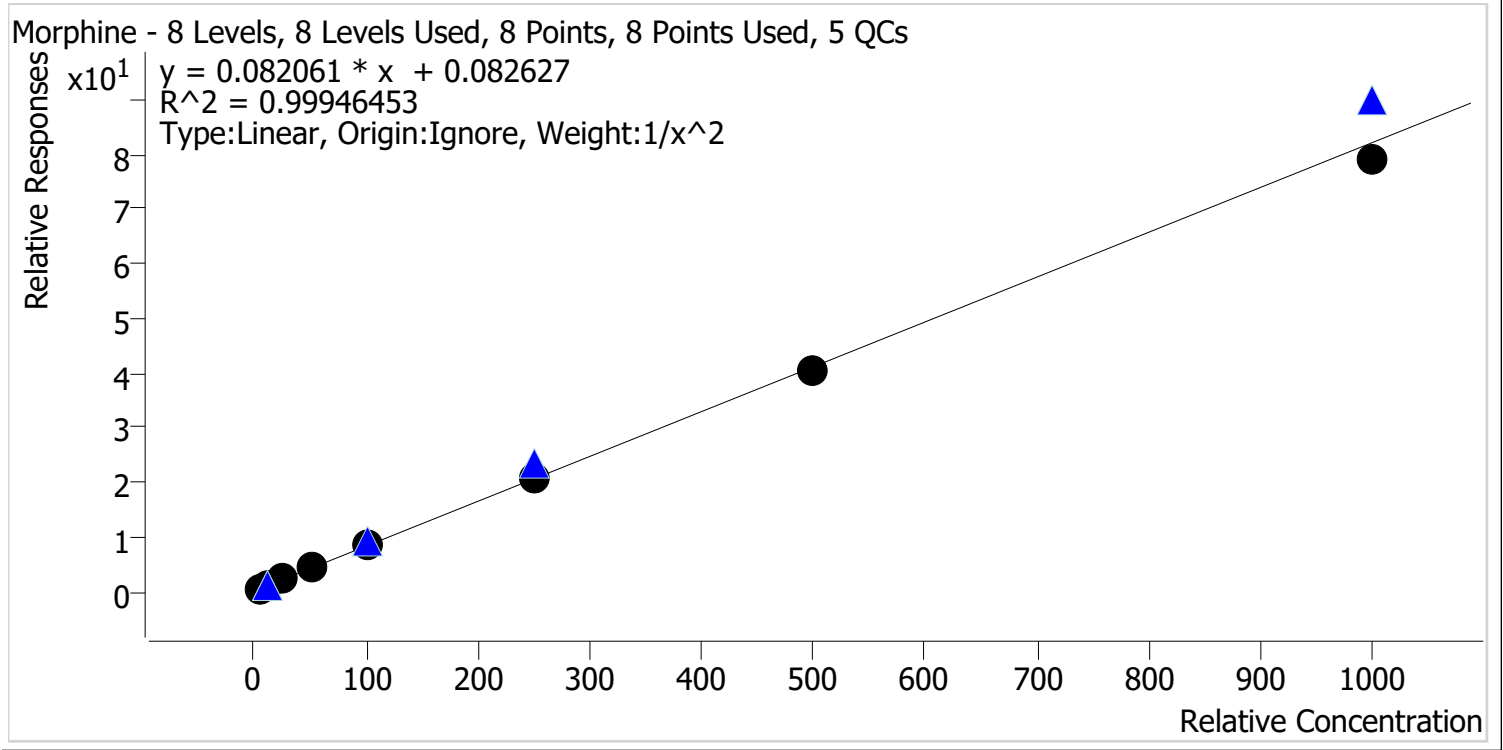
*Cal 7 and 8 dropped due to accuracy

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	495.2	99.0
p1 Cal 8-1000ng	8	✓	1000.0	961.0	96.1

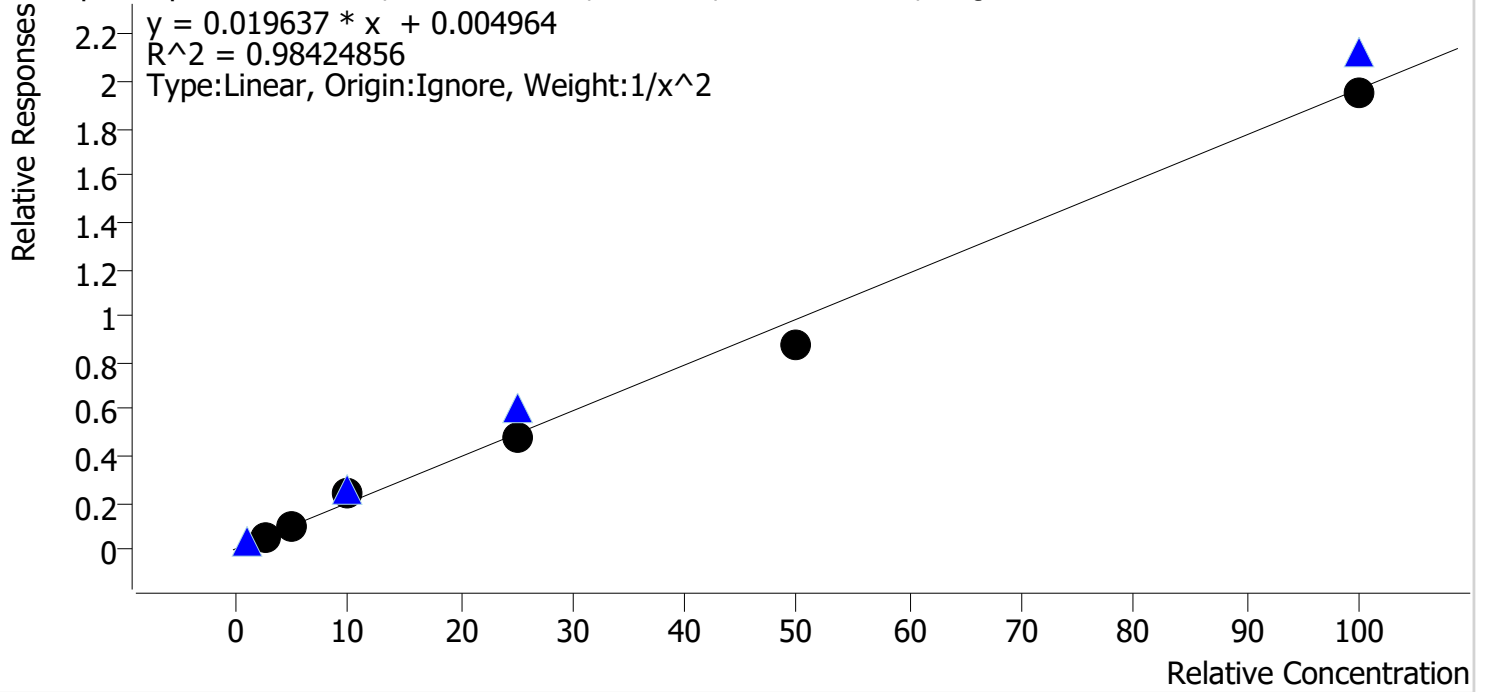
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.7
p1 Cal 4-50ng	4	✓	5.0	5.1	101.1
p1 Cal 5-100ng	5	✓	10.0	11.9	118.5
p1 Cal 6-250ng	6	✓	25.0	24.3	97.1
p1 Cal 7-500ng	7	✓	50.0	44.1	88.1
p1 Cal 8-1000ng	8	✓	100.0	99.5	99.5

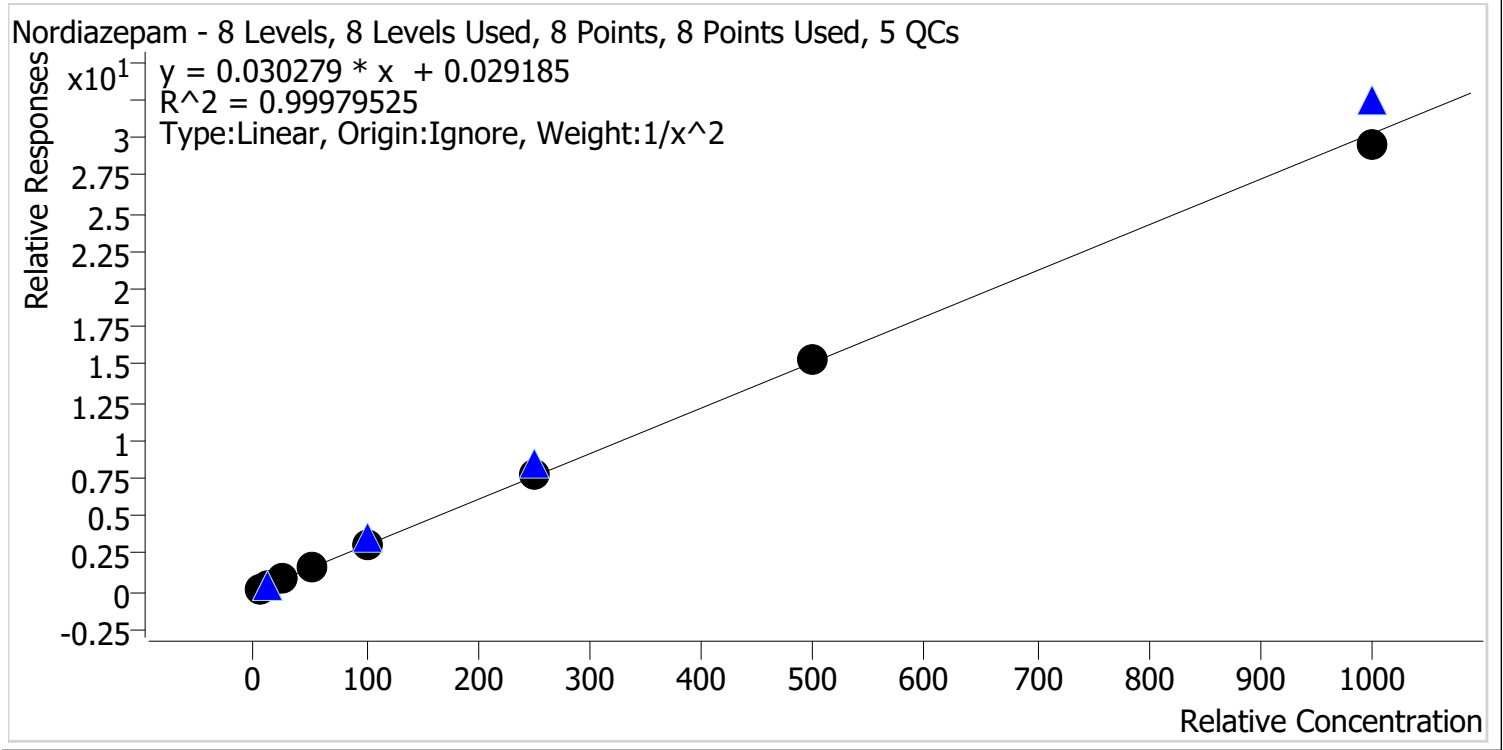
*Cal 1 and 2 dropped due to S/N being out

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Nordiazepam Internal Standard Nordiazepam-D5



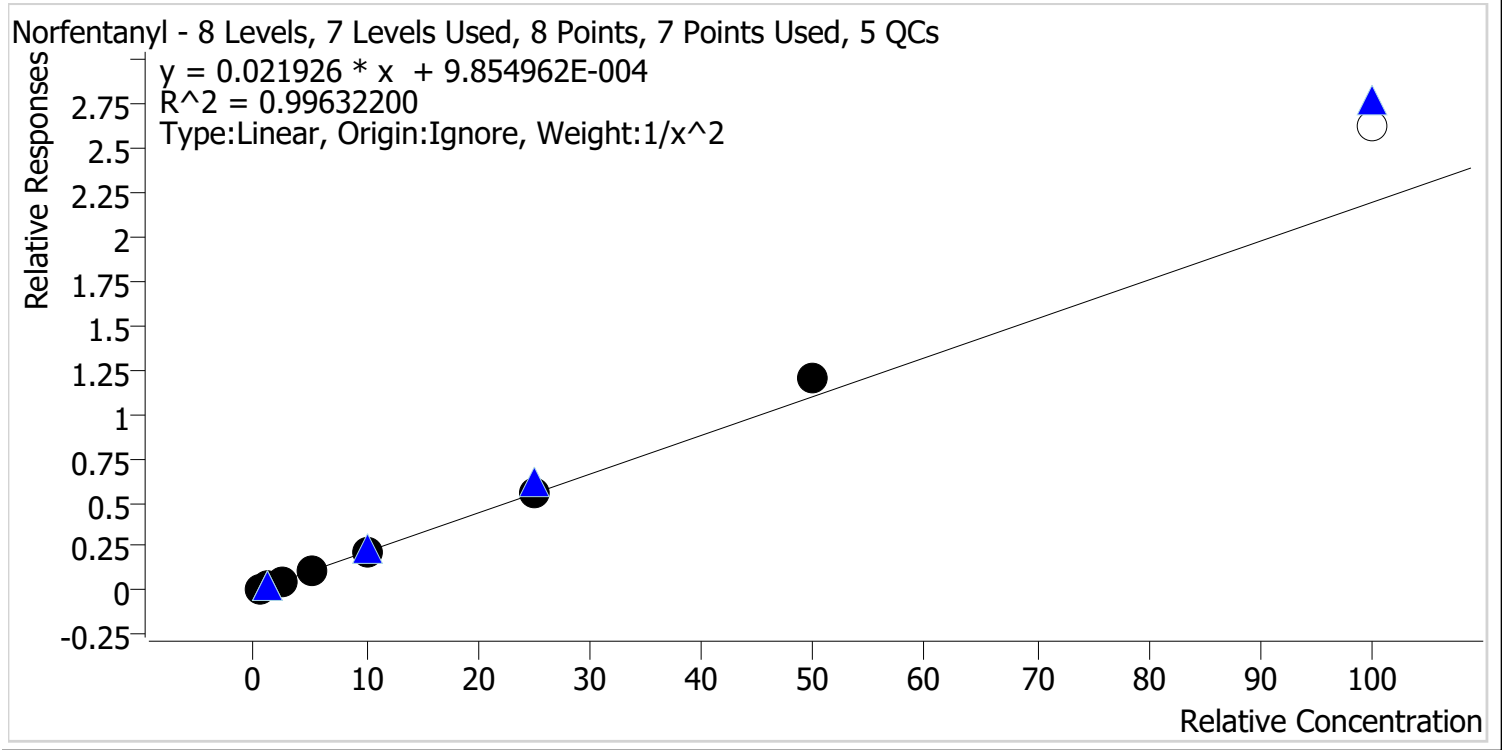
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	252.1	100.9
p1 Cal 7-500ng	7	✓	500.0	504.8	101.0
p1 Cal 8-1000ng	8	✓	1000.0	978.3	97.8

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\agerheart
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.4
p1 Cal 2-10ng	2	✓	1.0	1.0	98.2
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.6
p1 Cal 4-50ng	4	✓	5.0	4.9	97.8
p1 Cal 5-100ng	5	✓	10.0	9.7	97.3
p1 Cal 6-250ng	6	✓	25.0	25.2	100.9
p1 Cal 7-500ng	7	✓	50.0	54.9	109.7
p1 Cal 8-1000ng	8	✗	100.0	119.4	119.4

*Cal 8 dropped due to accuracy

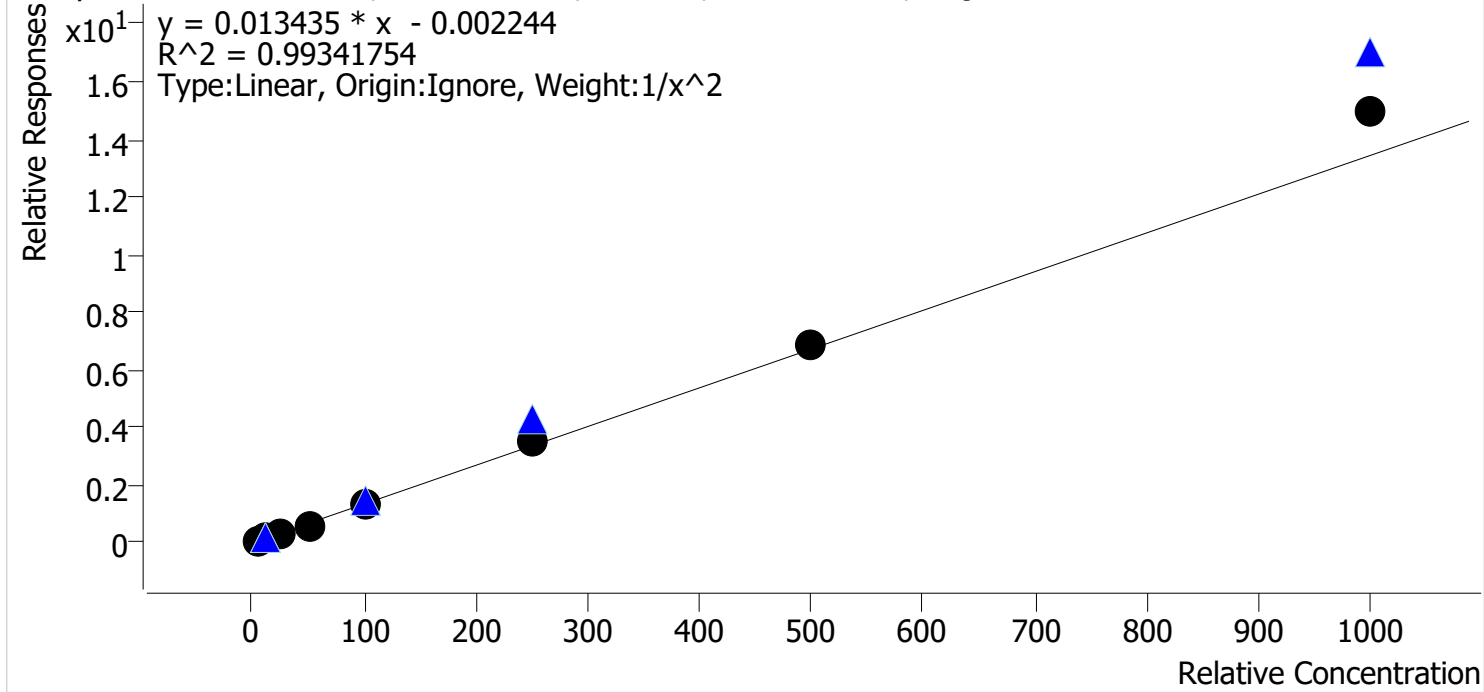
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



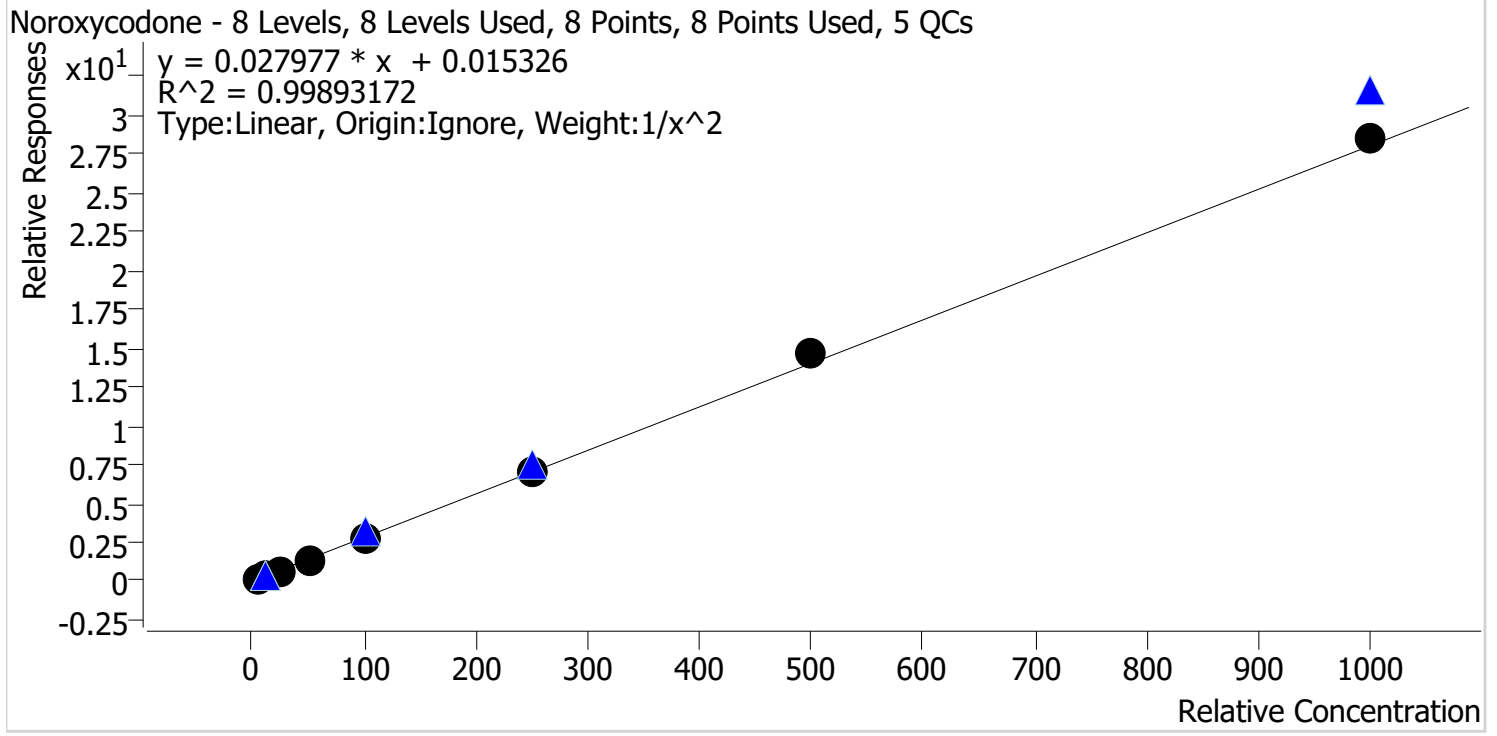
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	22.7	91.0
p1 Cal 4-50ng	4	✓	50.0	45.8	91.6
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	264.8	105.9
p1 Cal 7-500ng	7	✓	500.0	515.2	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1109.6	111.0

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



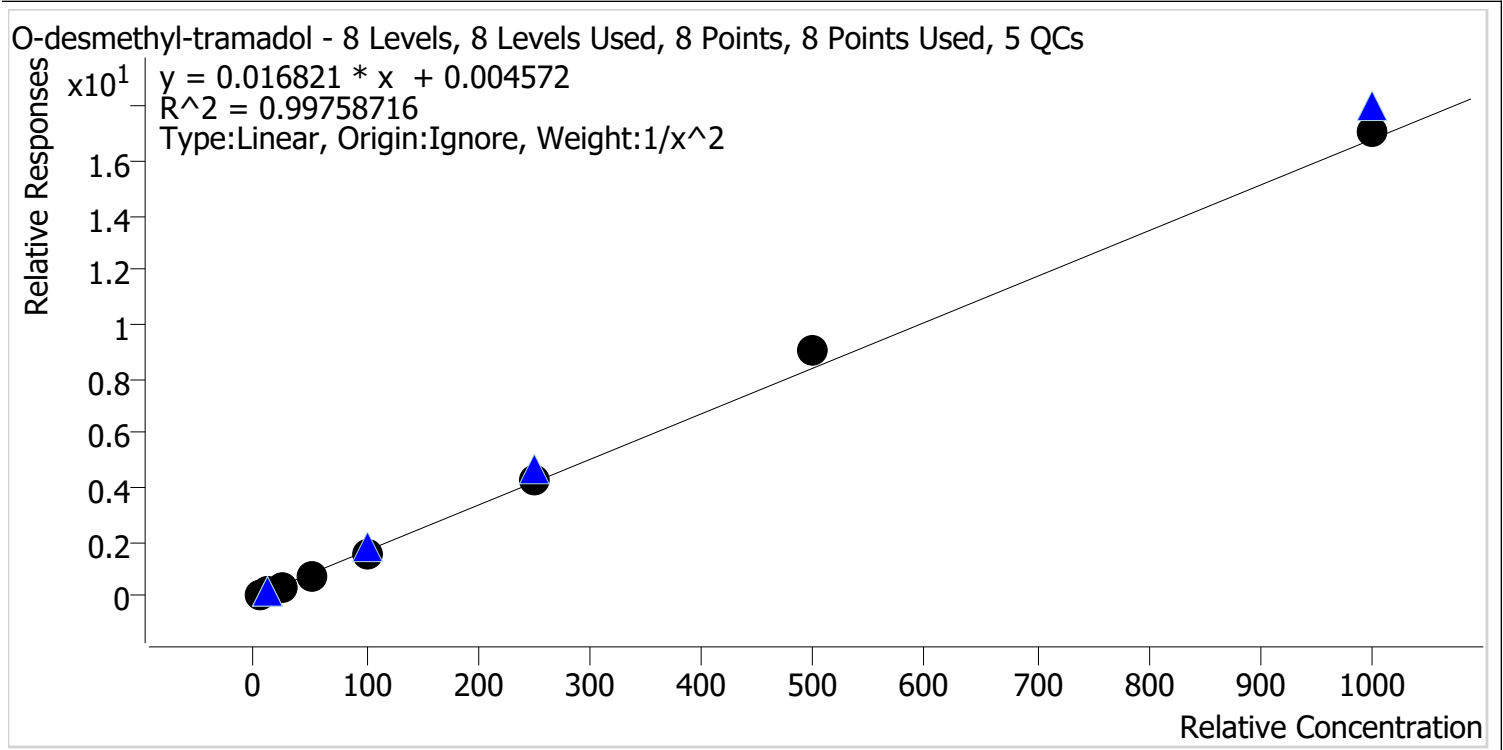
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	49.3	98.7
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	250.4	100.1
p1 Cal 7-500ng	7	✓	500.0	526.4	105.3
p1 Cal 8-1000ng	8	✓	1000.0	1017.5	101.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	48.2	96.5
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	541.2	108.2
p1 Cal 8-1000ng	8	✓	1000.0	1015.7	101.6

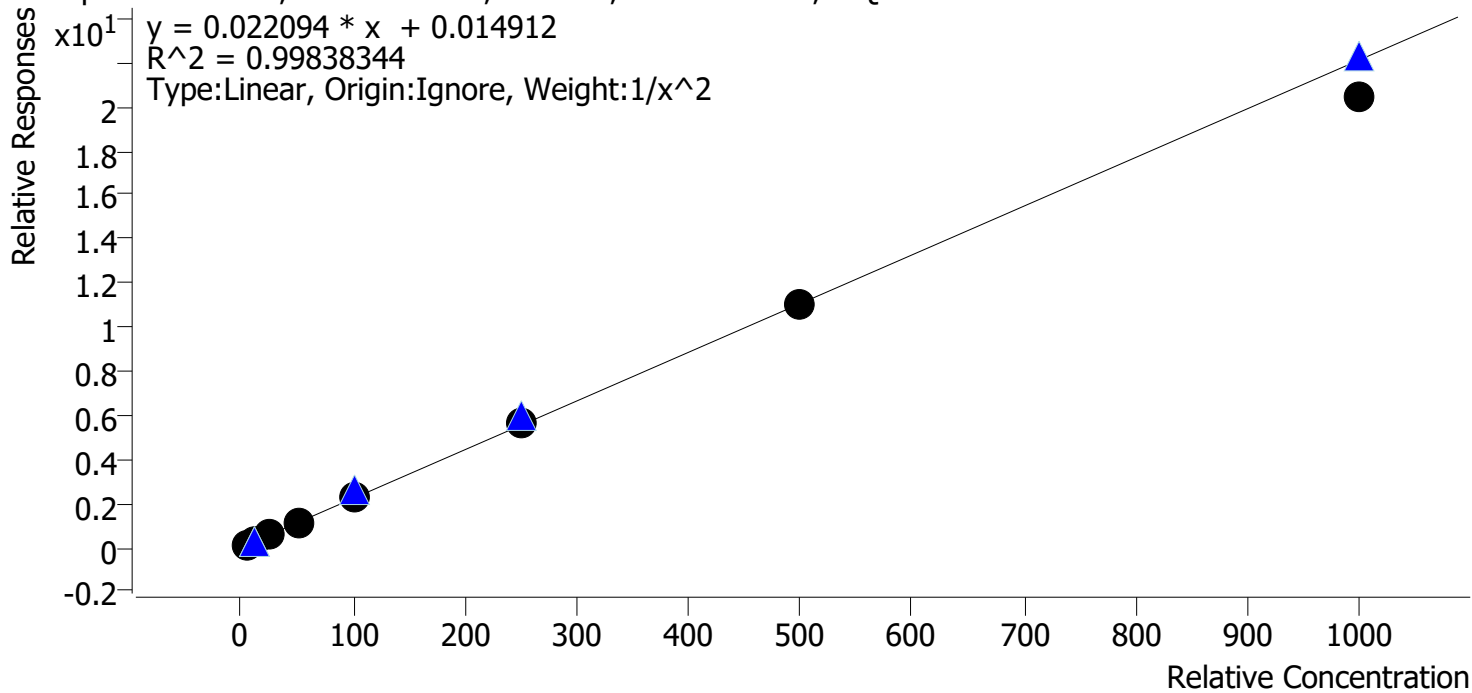
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



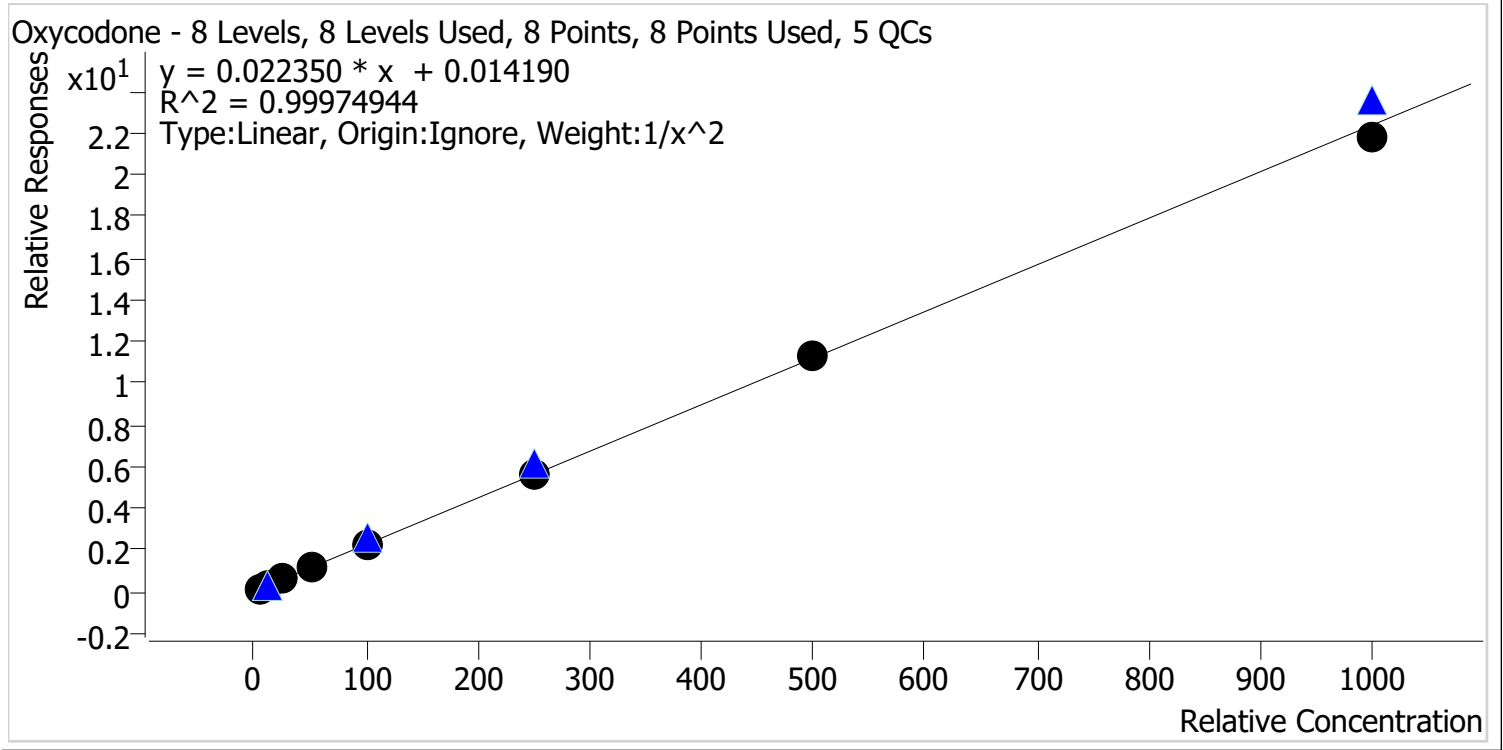
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	257.4	103.0
p1 Cal 7-500ng	7	✓	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✓	1000.0	926.9	92.7

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
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	100.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	506.7	101.3
p1 Cal 8-1000ng	8	✓	1000.0	978.3	97.8

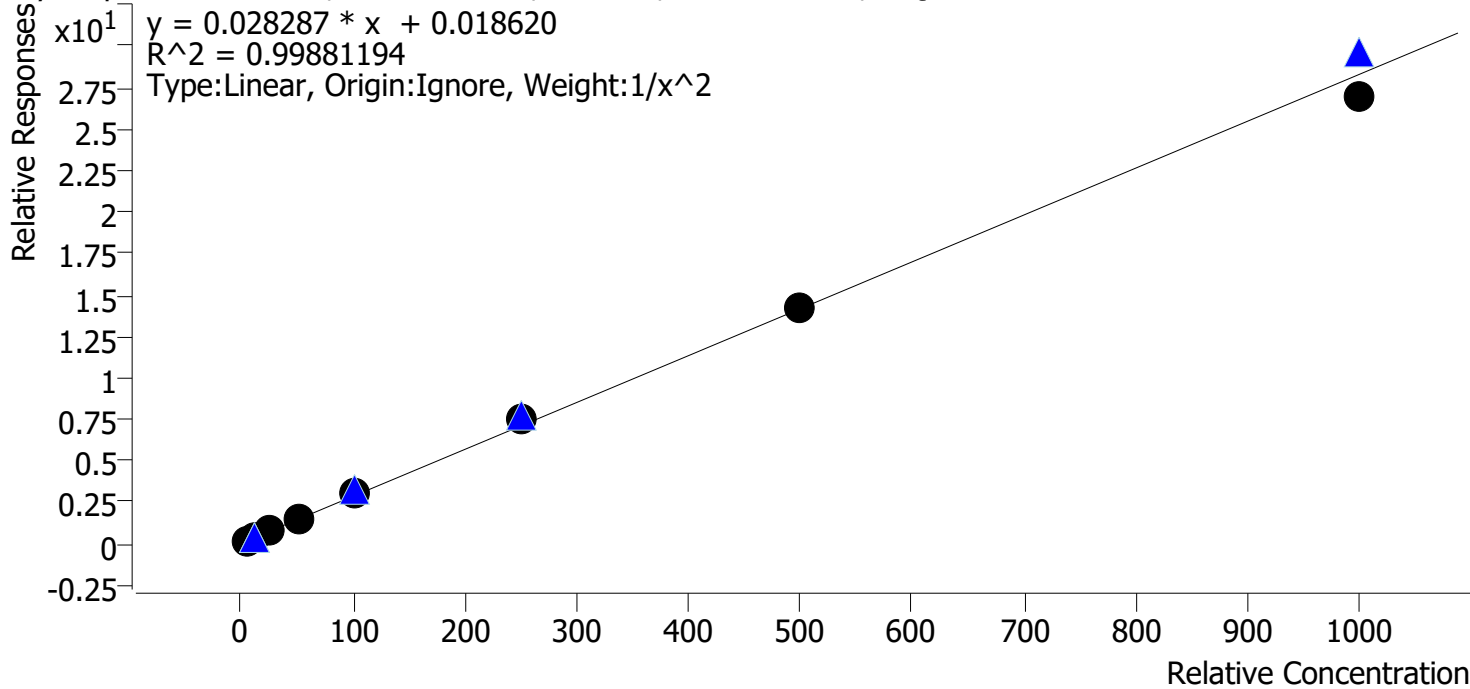
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



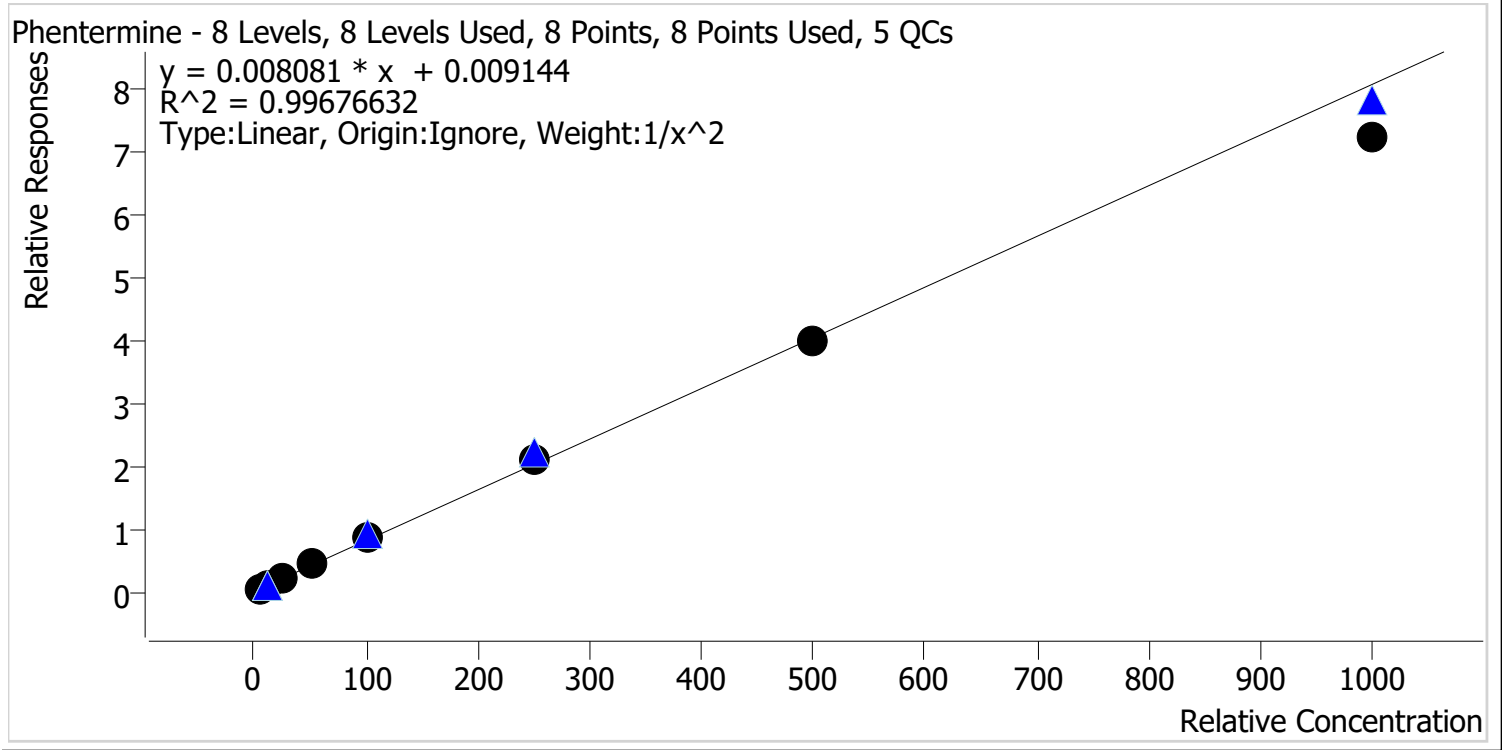
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	260.9	104.4
p1 Cal 7-500ng	7	✓	500.0	503.0	100.6
p1 Cal 8-1000ng	8	✓	1000.0	952.0	95.2

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	256.9	102.8
p1 Cal 7-500ng	7	✓	500.0	492.2	98.4
p1 Cal 8-1000ng	8	✓	1000.0	896.1	89.6

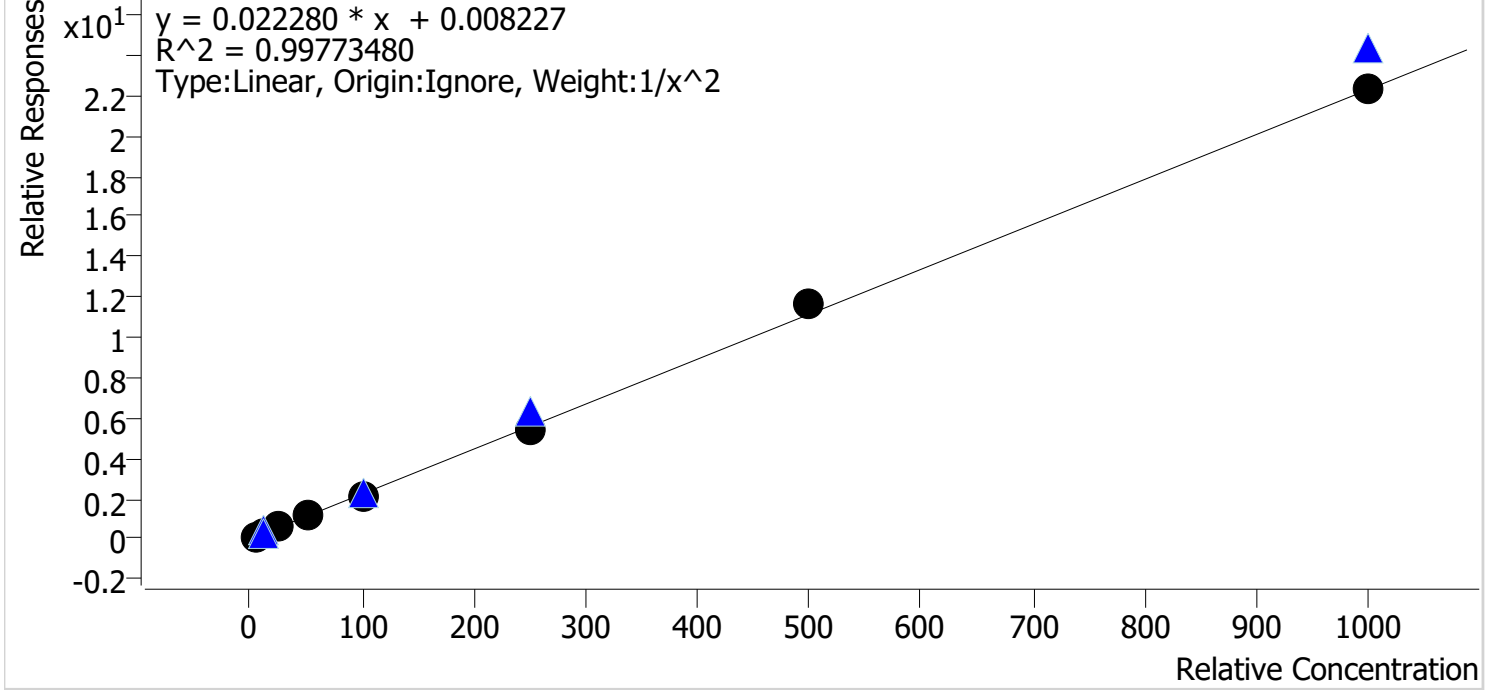
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Promethazine **Internal Standard** Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.7	107.5
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	244.6	97.8
p1 Cal 7-500ng	7	✓	500.0	520.6	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1002.9	100.3

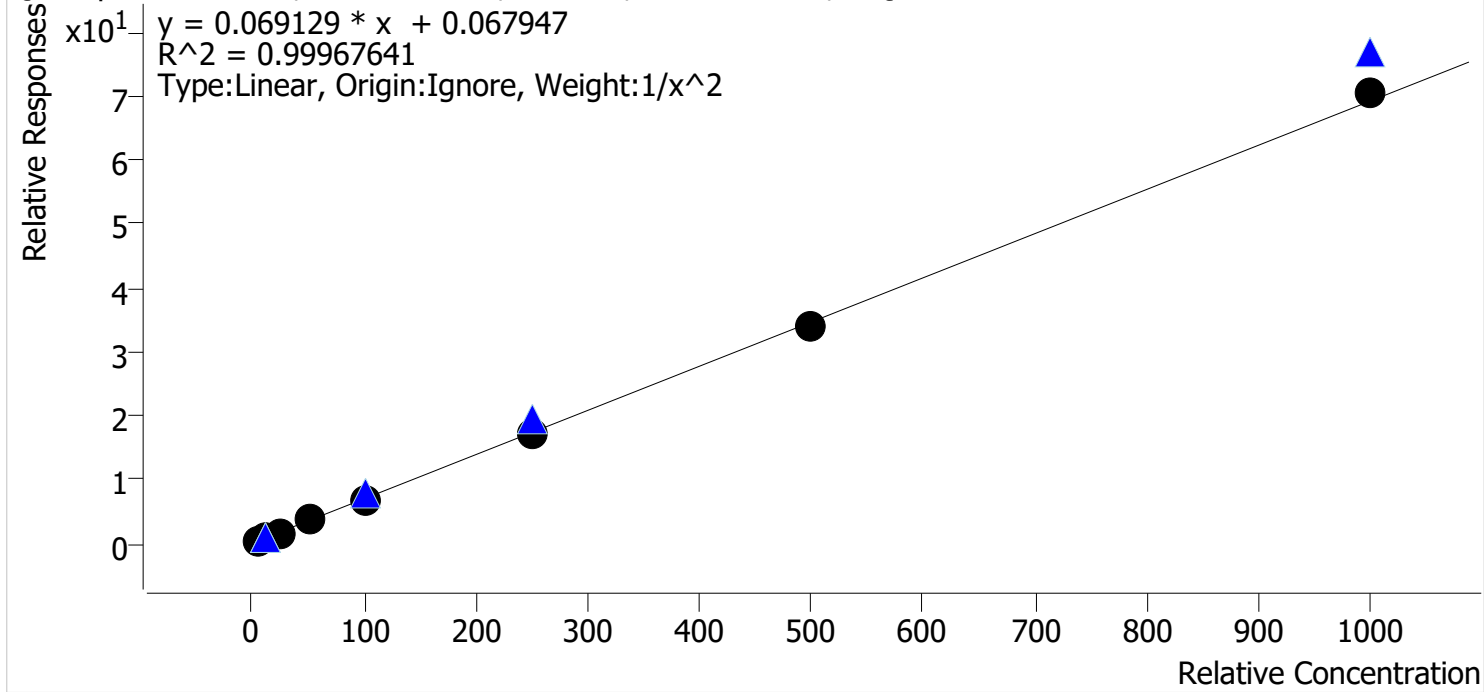
AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



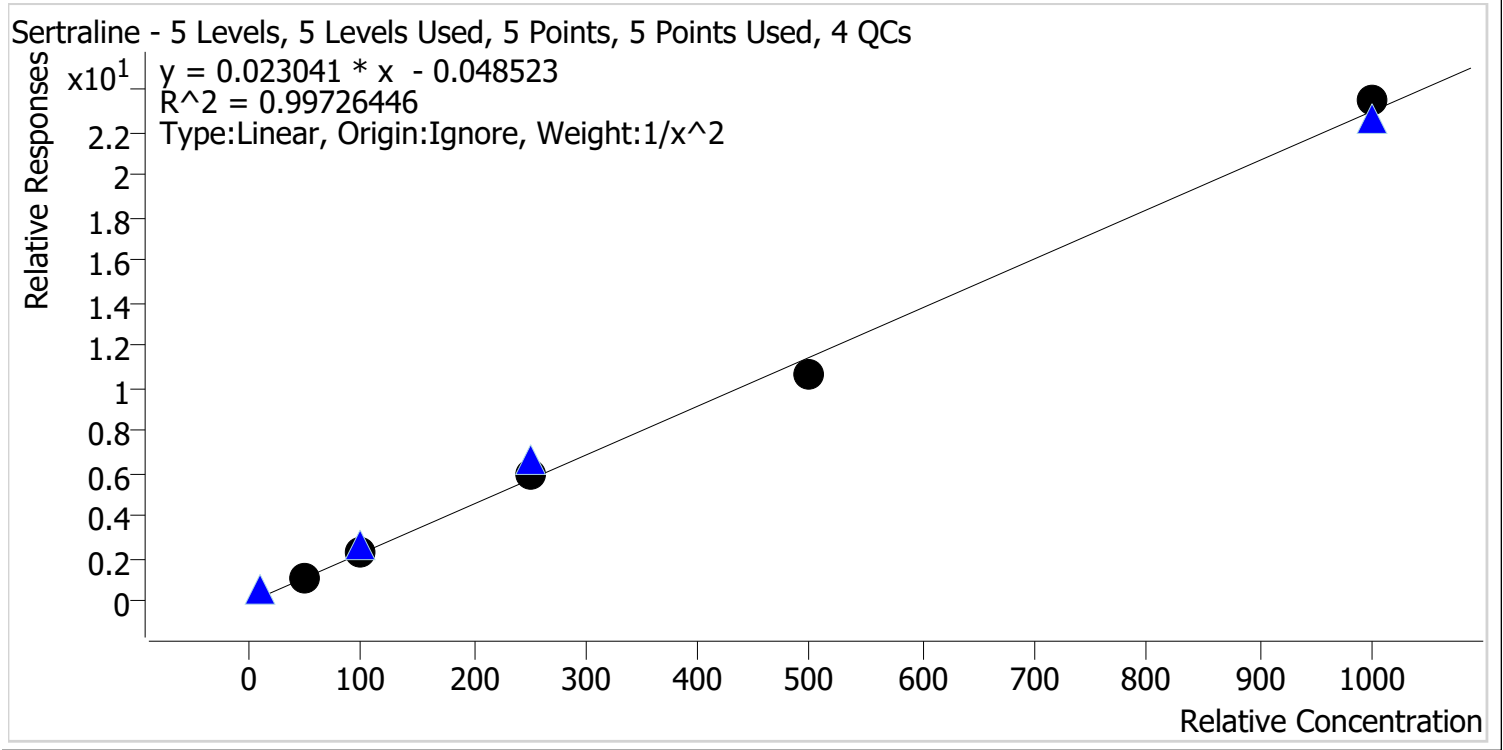
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	494.1	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1015.0	101.5

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Sertraline **Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	259.5	103.8
p1 Cal 7-500ng	7	✓	500.0	467.4	93.5
p1 Cal 8-1000ng	8	✓	1000.0	1021.6	102.2

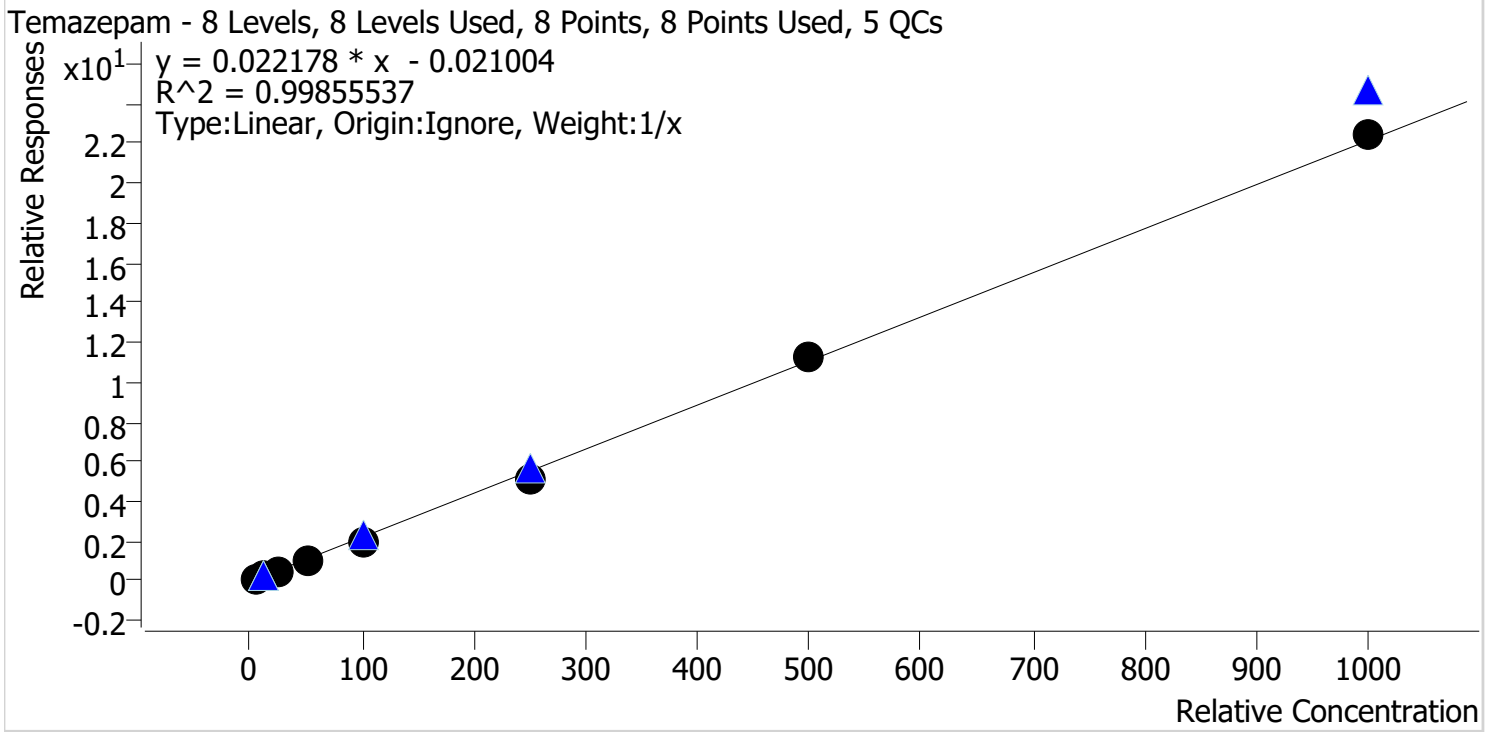
Compound not evaluated

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Temazepam **Internal Standard** Temazepam-D5



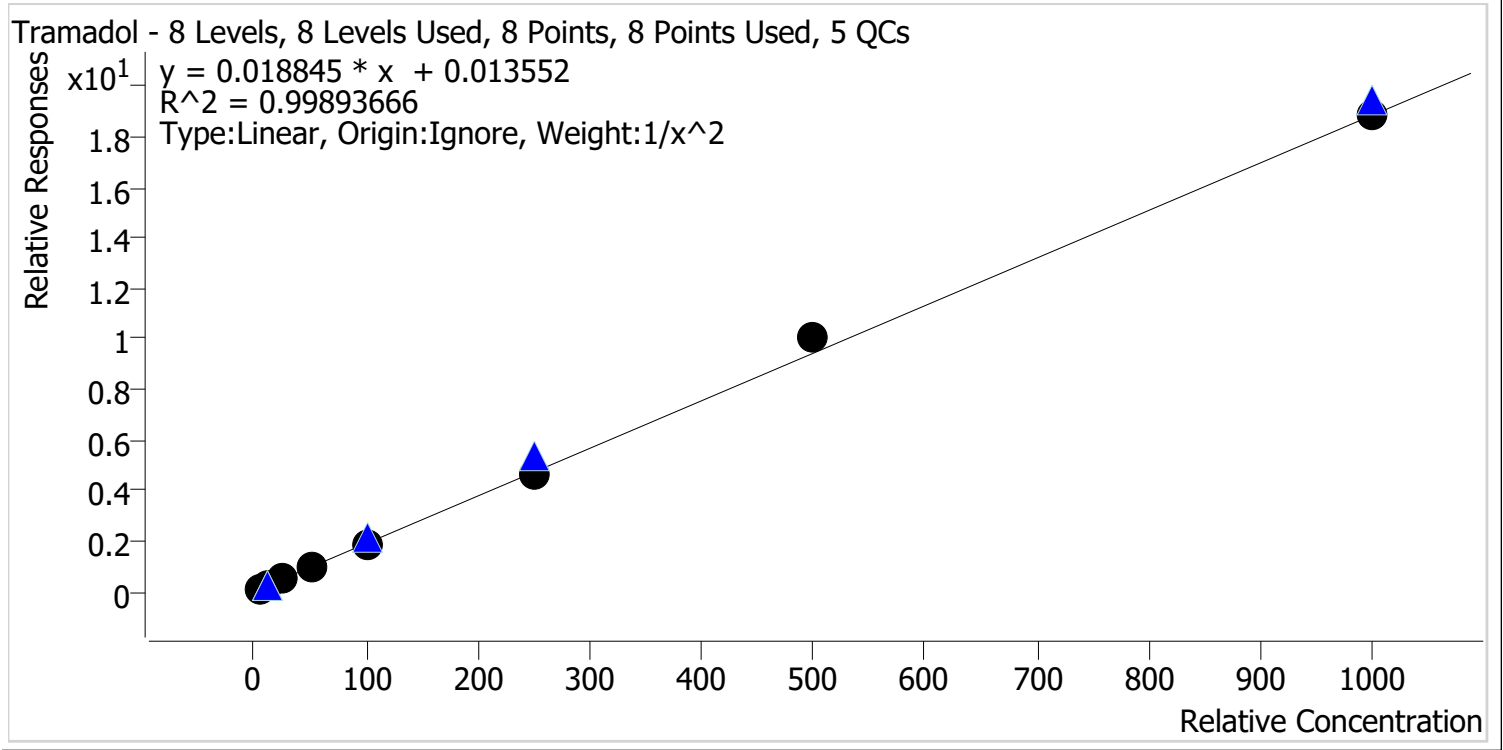
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.9	118.4
p1 Cal 2-10ng	2	✓	10.0	10.5	105.0
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.4
p1 Cal 4-50ng	4	✓	50.0	46.7	93.4
p1 Cal 5-100ng	5	✓	100.0	92.3	92.3
p1 Cal 6-250ng	6	✓	250.0	234.5	93.8
p1 Cal 7-500ng	7	✓	500.0	510.3	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1016.5	101.6

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



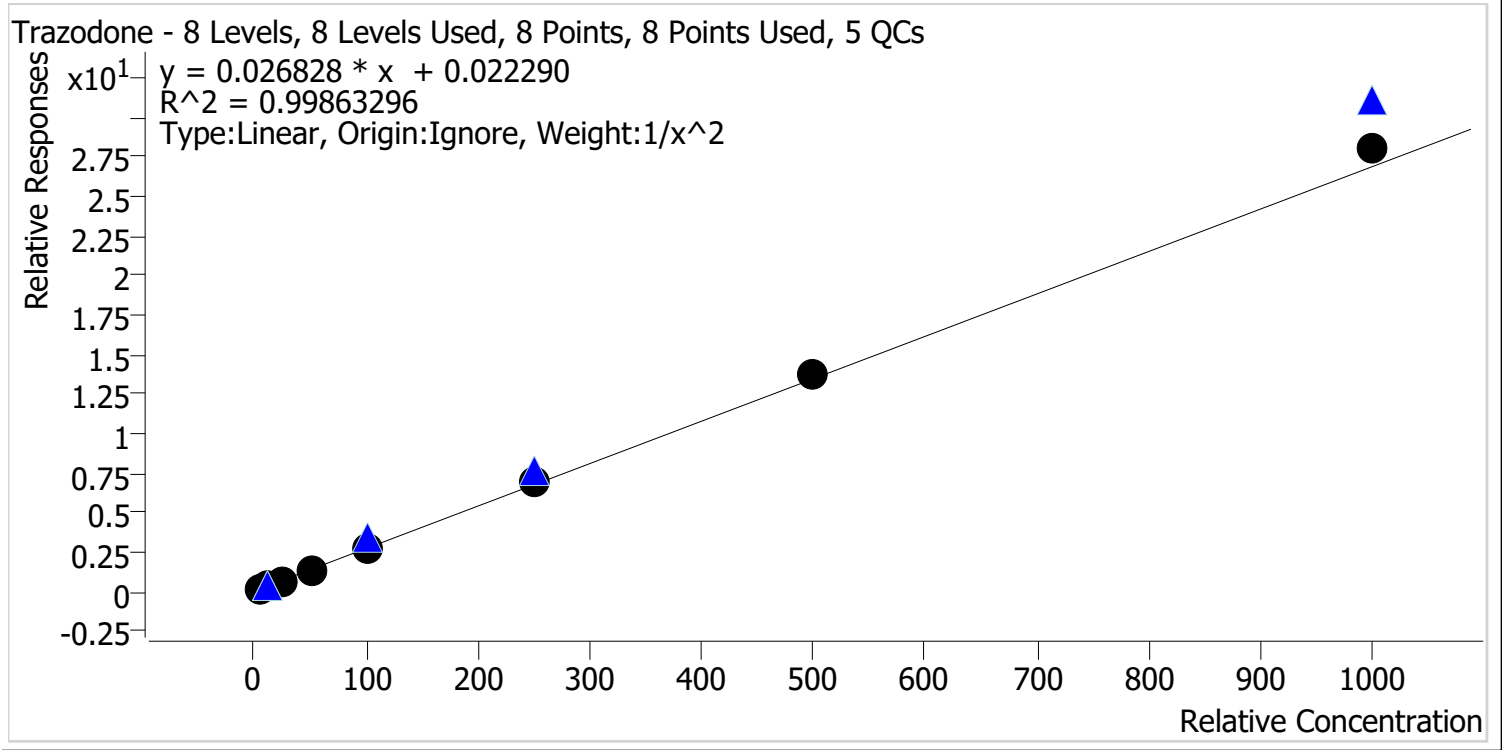
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	242.9	97.2
p1 Cal 7-500ng	7	✓	500.0	532.1	106.4
p1 Cal 8-1000ng	8	✓	1000.0	999.0	99.9

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Trazodone **Internal Standard** Trazodone-D6



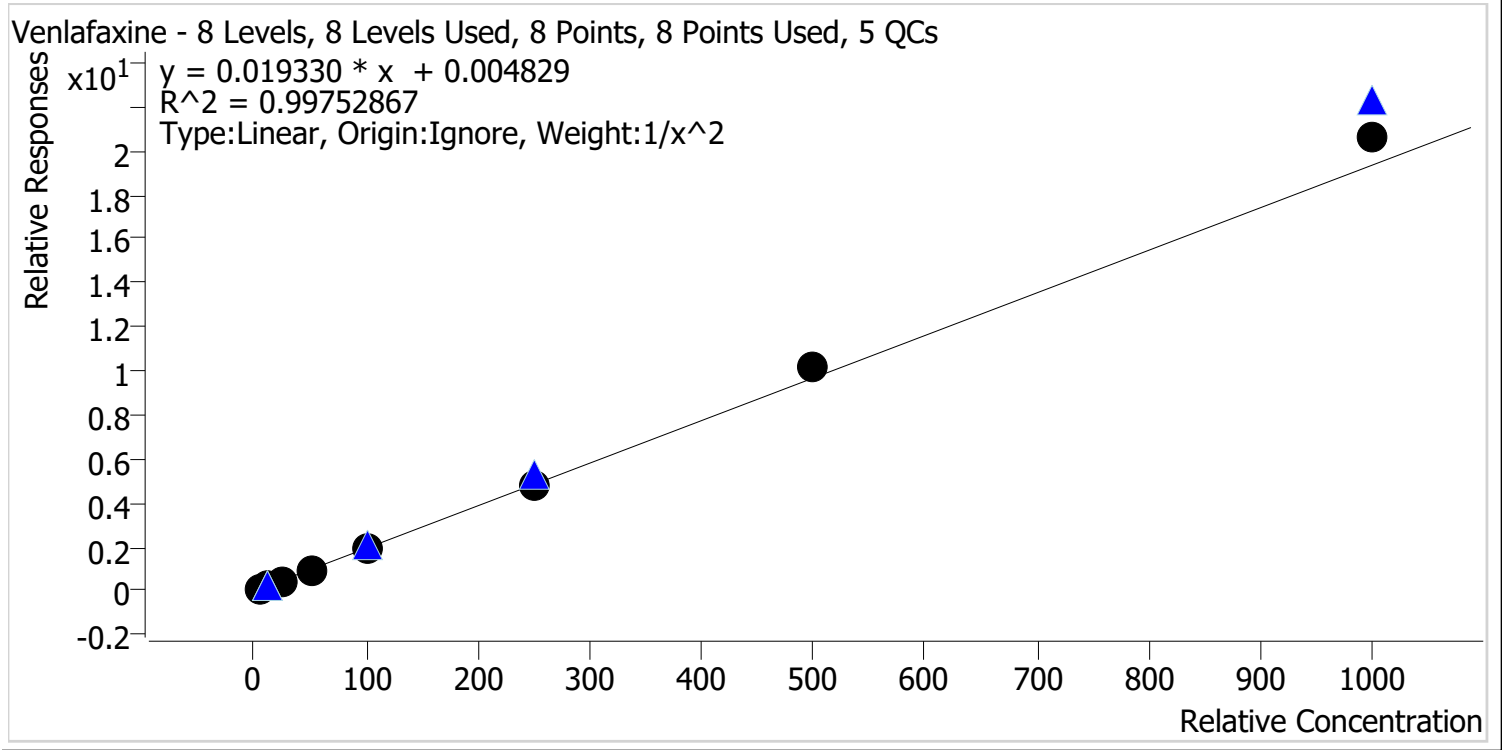
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1046.4	104.6

AH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.0
p1 Cal 4-50ng	4	✓	50.0	48.1	96.2
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	523.4	104.7
p1 Cal 8-1000ng	8	✓	1000.0	1068.9	106.9

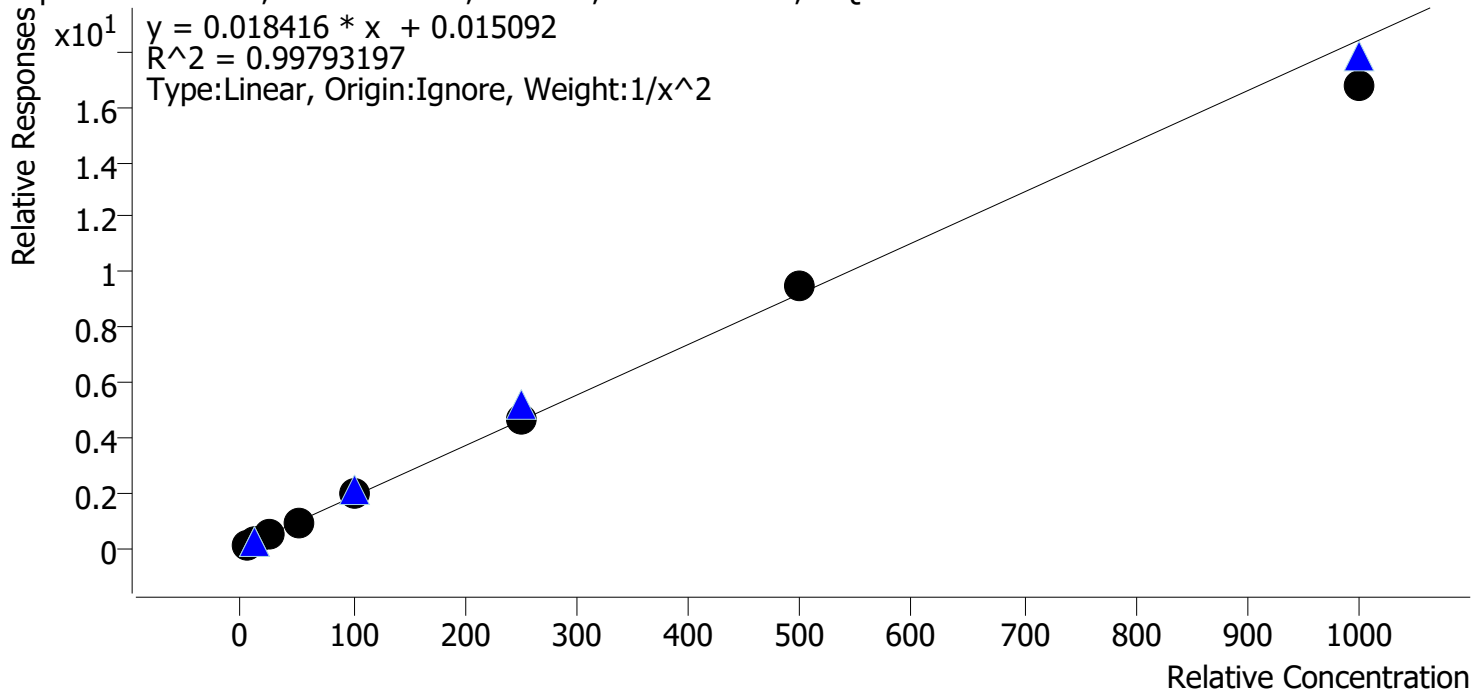
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2021 8:25 AM
Analyst Name ISP\lagerheart
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	517.1	103.4
p1 Cal 8-1000ng	8	✓	1000.0	911.8	91.2

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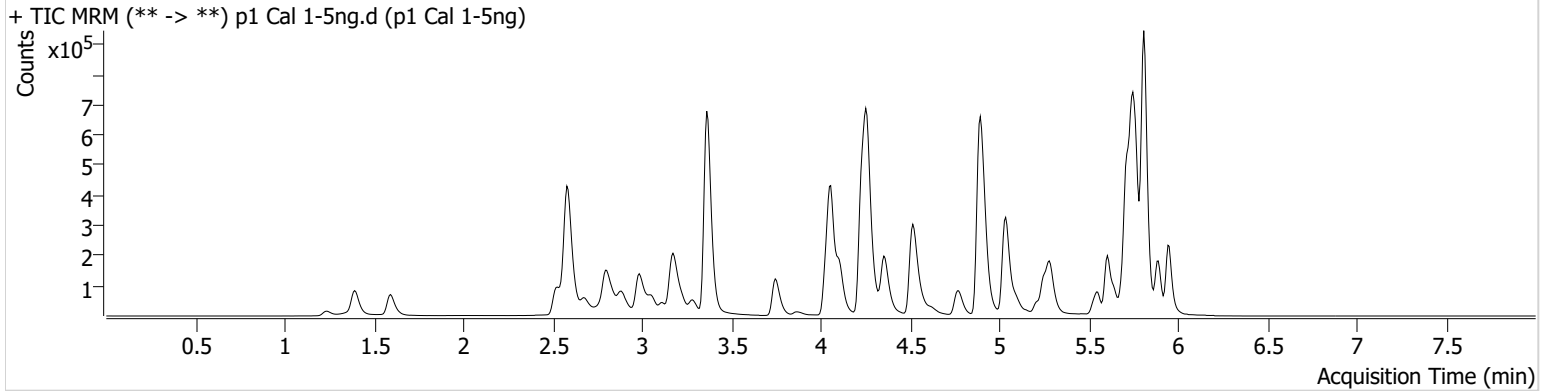


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-A1	Comment	
Injection Volume	2		
Acq. Date-Time	7/12/2021 8:48:34 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	1680	219.02	83.2	4477.61	85407	0.5143 ng/ml
7-aminoclonazepam	4.271	24848	89.96	78.3	1397.87	263407	5.0571 ng/ml
a-hydroxyalprazolam	5.692	30478	117.47	58.9	461.89	572382	4.7522 ng/ml
alpha-PHP	4.930	11908	262.75	263.3	1070.83	466573	4.8514 ng/ml
alpha-PVP	4.370	59455	88.04	52.6	1006.55	466573	5.0771 ng/ml
Alprazolam	5.768	88618	395.38	111.0	381.35	572382	5.0478 ng/ml
Amphetamine	3.063	67864	303.24	51.0	213.76	142791	4.8924 ng/ml
Benzoylcegonine	3.892	3816	28.97	9.6	87.34	25866	5.5151 ng/ml
Bupropion	4.788	33649	1122.08	58.8	102.19	216476	5.0027 ng/ml
Carisoprodol	5.724	95554	106849.96	55.4	428.32	876846	5.0972 ng/ml
Citalopram	5.212	11072	31.72	45.7	2839.85	99335	4.9761 ng/ml
Clonazepam	5.612	105665	774.87	31.0	81886.23	232132	4.9900 ng/ml
Clonazolam	5.549	71334	3366.50	37.3	35189.70	232132	5.1198 ng/ml
Cocaine	4.264	63013	162.06	52.7	165104.81	998503	5.0169 ng/ml
Codeine	2.580	9578	453.21	100.2	13516.74	79684	4.9713 ng/ml
Dextromethorphan	5.262	4522	25.07	80.8	49.05	44719	4.9664 ng/ml
Dextrorphan	4.111	15222	78.04	200.5	8297.61	324077	5.0158 ng/ml
Diazepam	5.953	49883	302.48	87.1	1180.73	433117	5.0483 ng/ml
Dihydrocodeine	2.552	24860	25770.41	63.9	122.54	246788	4.8773 ng/ml
Diphenhydramine	5.289	29101	47.00	31.8	313.86	340624	5.0098 ng/ml
Doxylamine	4.536	110825	825.81	98.5	809.53	904063	5.0221 ng/ml
EDDP	5.254	28049	282.85	40.9	751.10	264132	5.0925 ng/ml
Etizolam	5.813	53301	121679.53	26.1	21716.55	232132	5.1276 ng/ml
Flualprazolam	5.698	40835	1143.50	98.6	12590.13	572382	4.8319 ng/ml
Hydrocodone	3.012	28867	93.22	40.1	168.62	317275	4.8772 ng/ml
Hydromorphone	1.601	30408	603.07	77.2	63.75	10521	4.9016 ng/ml
Ketamine	4.051	61014	655.22	36.0	164.85	510737	5.0319 ng/ml
Lamotrigine	4.280	5774	284.45	84.1	6406.07	510737	5.1663 ng/ml
Levetiracetam	2.683	44522	475.52	164.5	849.82	1214314	5.1946 ng/ml
Lorazepam	5.747	102811	1182.62	57.7	132.91	232132	4.9316 ng/ml
MDA	3.196	60702	200.86	24.2	165.22	285026	4.8540 ng/ml
MDMA	3.290	41287	634.53	69.7	156.90	66809	5.0561 ng/ml
Meprobamate	4.917	59331	1150.34	26.3	860.90	424184	4.9262 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.646	14688	157.39	47.3	136.36	119959	5.0430 ng/ml
Methamphetamine	3.231	47822	97.78	36.5	159.63	343662	4.9356 ng/ml
Metoprolol	4.326	11386	14109.23	98.2	214.28	1259788	4.8354 ng/ml
Mirtazapine	4.624	20040	32.78	53.0	934.26	466573	4.9845 ng/ml
Mitragynine	5.230	2032	13.76	38.4	1735.83	119959	5.3656 ng/ml
Morphine	1.247	5130	580.53	34.3	91.38	10521	4.9348 ng/ml
Nordiazepam	5.893	54160	426.82	54.1	1244.41	301269	4.9734 ng/ml
Norfentanyl	4.079	11141	24927.90	37.6	19.27	912283	0.5120 ng/ml
Norhydrocodone	3.059	4260	76.83	47.9	31.48	63517	5.1585 ng/ml
Noroxycodone	2.903	34001	253.06	43.9	992.52	217537	5.0389 ng/ml
O-desmethyl-tramadol	3.369	161688	398.15	6.8	123.56	1783501	5.1178 ng/ml
Oxazepam	5.749	113641	278.30	76.1	42.39	918519	4.9250 ng/ml
Oxycodone	2.827	69117	460.44	26.7	449.95	545789	5.0312 ng/ml
Oxymorphone	1.398	39368	237.79	41.2	126.40	244509	5.0337 ng/ml
Phentermine	3.783	17449	276.36	4.3	17.25	359983	4.8669 ng/ml
Promethazine	5.538	7564	28.28	29.8	24.91	65050	4.8497 ng/ml
Pseudoephedrine	2.596	132558	772.03	16.3	1386.25	1214314	5.1043 ng/ml
Quetiapine	5.548	16244	52.35	58.6	10697.38	39121	5.0234 ng/ml
Temazepam	5.816	197218	1878.64	30.2	107.79	1788426	5.9192 ng/ml
Tramadol	4.246	136125	392.20	3.8	64.61	1259788	5.0146 ng/ml
Trazodone	5.156	11523	42.76	75.8	10423.55	71847	5.1476 ng/ml
Venlafaxine	5.037	88799	1566.44	37.9	89.65	853407	5.1332 ng/ml
Zolpidem	4.914	156562	832.53	31.0	2138.78	1477264	4.9354 ng/ml

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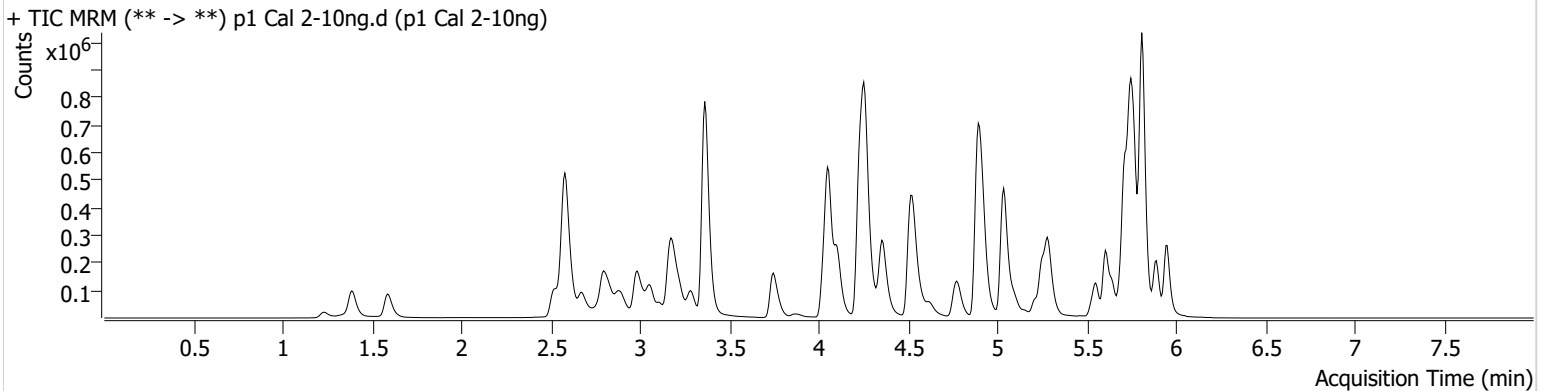


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 Cal 2-10ng.d
Type	Cal	Sample	p1 Cal 2-10ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-B1	Comment	
Injection Volume	2		
Acq. Date-Time	7/12/2021 8:59:30 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	3463	8172.65	74.6	104.19	91827	1.0035 ng/ml
7-aminoclonazepam	4.271	43621	93.29	75.4	1509.29	245589	9.9256 ng/ml
a-hydroxyalprazolam	5.692	55246	530.91	59.0	169.15	544332	10.5404 ng/ml
alpha-PHP	4.930	29957	1090.46	277.3	943.68	593176	10.5141 ng/ml
alpha-PVP	4.363	140689	1823.98	52.9	559.33	593176	9.9066 ng/ml
Alprazolam	5.775	158464	1657.23	113.1	641.82	544332	9.9019 ng/ml
Amphetamine	3.063	166147	471.90	50.1	676.72	185532	10.3285 ng/ml
Benzoylcegonine	3.892	6372	8830.04	9.1	1681.26	24405	9.8811 ng/ml
Buprenorphine	5.833	913	164.36	16.1	197.29	31650	1.4623 ng/ml
Bupropion	4.788	90235	327.59	58.1	211.92	305135	10.1012 ng/ml
Carisoprodol	5.724	167436	3743.68	56.3	274.64	812696	9.9427 ng/ml
Citalopram	5.212	30135	271.46	41.0	527.82	133141	10.1455 ng/ml
Clonazepam	5.612	187125	394.00	32.4	352.31	226433	9.8973 ng/ml
Clonazepam	5.548	125744	10709.86	38.1	109625.92	226433	9.6886 ng/ml
Cocaine	4.257	140289	65567.63	48.5	95210.39	1145864	10.0861 ng/ml
Codeine	2.573	18175	67543.48	104.9	56.29	85797	9.7688 ng/ml
Dextromethorphan	5.262	12104	49.39	82.7	1180.45	59216	10.2066 ng/ml
Dextrophan	4.105	37660	48261.99	203.5	11572.33	420199	10.0435 ng/ml
Diazepam	5.953	91680	1664.49	87.8	182.33	427436	9.8806 ng/ml
Dihydrocodeine	2.552	47603	1718.86	66.5	155.12	265158	10.0227 ng/ml
Diphenhydramine	5.289	82941	955.18	32.5	207.65	492677	10.2348 ng/ml
Doxylamine	4.536	283018	5264.41	95.3	4438.10	1182615	10.1529 ng/ml
EDDP	5.254	74372	392.30	41.1	210.06	384746	9.8306 ng/ml
Etizolam	5.813	99109	3299.36	26.1	106612.00	226433	9.8629 ng/ml
Flualprazolam	5.698	77422	1381.38	95.2	22514.63	544332	10.4688 ng/ml
Hydrocodone	3.012	62949	129.62	38.6	75.15	354633	10.3053 ng/ml
Hydromorphone	1.595	58542	441.10	77.0	234458.45	10623	10.3724 ng/ml
Ketamine	4.051	126247	2807.12	36.4	145.61	575014	10.0004 ng/ml
Lamotrigine	4.273	10833	334.35	82.6	653.11	575014	9.0896 ng/ml
Levetiracetam	2.676	76981	1004.05	166.3	318.98	1338530	9.0409 ng/ml
Lorazepam	5.747	178905	1383.07	57.4	618.72	226433	10.1568 ng/ml
MDA	3.196	158721	572.51	23.1	225.38	381541	10.4761 ng/ml
MDMA	3.290	102455	13682.02	73.8	189.10	89788	9.9379 ng/ml

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AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Meprobamate	4.917	100643	2508.15	28.8	4317.38	404818	10.1047 ng/ml
Methadone	5.646	38163	145.36	44.3	167.58	162352	10.0056 ng/ml
Methamphetamine	3.231	114730	264.22	37.1	629.77	451145	10.2734 ng/ml
Metoprolol	4.326	28453	1379.85	90.3	340.61	1493960	10.7173 ng/ml
Mirtazapine	4.624	56130	281.92	51.9	848.97	593176	10.2455 ng/ml
Mitragynine	5.237	5117	1184.88	36.8	3543.51	162352	10.2024 ng/ml
Morphine	1.240	9785	149.86	32.6	833.03	10623	10.2175 ng/ml
Nordiazepam	5.893	98064	5139.81	56.0	1288.02	291705	10.1388 ng/ml
Norfentanyl	4.079	24817	116.90	35.8	138.90	1101746	0.9824 ng/ml
Norhydrocodone	3.059	9343	51.28	40.3	5.96 Low	71441	9.9007 ng/ml
Noroxycodone	2.903	70527	823.93	42.9	598.36	238795	10.0087 ng/ml
O-desmethyl-tramadol	3.369	320836	13208.06	6.8	422.95	1894304	9.7973 ng/ml
Oxazepam	5.749	212009	302.59	73.3	607.32	877424	10.2616 ng/ml
Oxycodone	2.827	139336	3529.91	27.3	425.63	590944	9.9148 ng/ml
Oxymorphone	1.391	72152	1917.39	43.5	261.17	240306	9.9564 ng/ml
Phentermine	3.783	44616	916.22	4.0	19.69	477936	10.4211 ng/ml
Promethazine	5.532	16800	40090.03	27.1	16.42	67819	10.7494 ng/ml
Pseudoephedrine	2.589	281810	7866.41	16.2	3313.72	1338530	9.9674 ng/ml
Quetiapine	5.548	37953	65021.43	57.8	27712.06	50331	9.9253 ng/ml
Temazepam	5.816	360854	1180.74	29.6	49.65	1702498	10.5039 ng/ml
Tramadol	4.246	302675	1632.48	3.5	68.97	1493960	10.0315 ng/ml
Trazodone	5.156	24791	56538.26	78.4	3537.95	88692	9.5882 ng/ml
Venlafaxine	5.037	210958	4781.45	39.4	380.05	1090811	9.7553 ng/ml
Zolpidem	4.914	306581	358.12	30.7	1292.88	1504694	10.2443 ng/ml

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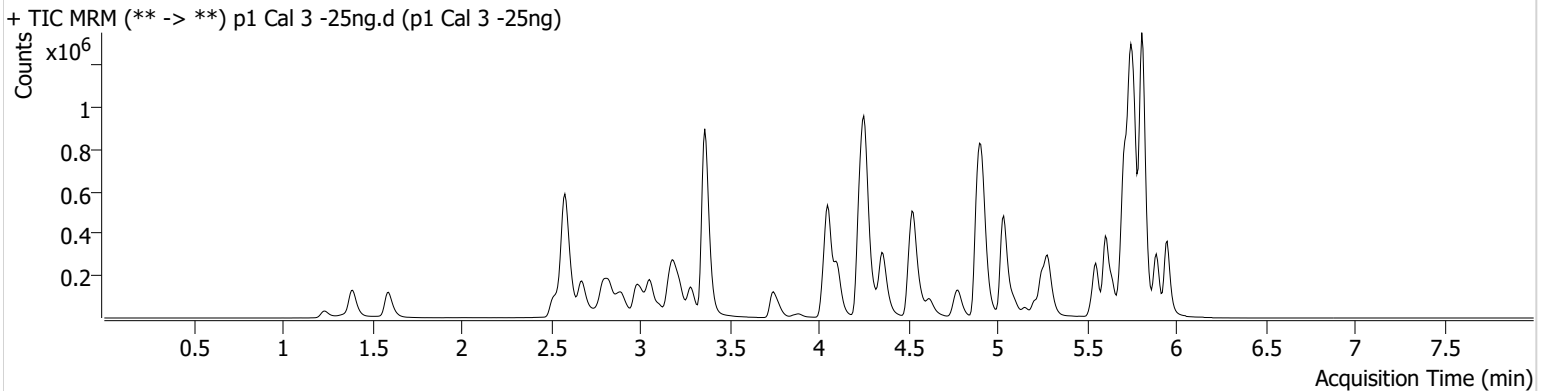


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-C1	Comment	
Injection Volume	2		
Acq. Date-Time	7/12/2021 9:10:07 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	8280	2472.40	67.8	413.63	88724	2.5112 ng/ml
7-aminoclonazepam	4.271	100128	3373.94	80.5	27311.15	239777	23.9526 ng/ml
a-hydroxyalprazolam	5.692	127027	376.85	59.8	338.57	530043	27.1167 ng/ml
alpha-PHP	4.930	55553	712.03	263.7	1221.44	481611	25.2135 ng/ml
alpha-PVP	4.363	269263	9026.23	53.4	340.50	481611	24.0721 ng/ml
Alprazolam	5.768	371942	407.63	113.6	882.83	530043	24.5253 ng/ml
Amphetamine	3.063	284163	929.00	50.6	163.60	139972	25.0055 ng/ml
Benzoylecgonine	3.892	14877	477.43	9.5	7684.90	24741	22.9598 ng/ml
Buprenorphine	5.840	1743	49.81	18.2	∞	26452	2.7239 ng/ml
Bupropion	4.788	146403	4886.18	58.9	1131.12	211372	24.5266 ng/ml
Carisoprodol	5.724	386914	555813.73	54.3	472.94	797739	23.8716 ng/ml
Citalopram	5.212	63860	150.10	41.0	5169.81	114208	25.1222 ng/ml
Clonazepam	5.612	438675	423.89	31.8	1948.43	222711	25.0114 ng/ml
Clonazepam	5.548	297419	2862.01	37.4	4508.19	222711	24.0587 ng/ml
Cocaine	4.257	286374	333.25	50.5	15109.27	986080	24.4407 ng/ml
Codeine	2.566	42410	290.40	99.9	2079.30	80604	26.2254 ng/ml
Cyclobenzaprine	5.615	20606	472.44	9.4	14.86	36288	24.7635 ng/ml
Dextromethorphan	5.262	26932	11578.91	79.2	18527.85	54503	24.9073 ng/ml
Dextrophan	4.105	71271	51816.85	204.5	110143.36	337326	24.3841 ng/ml
Diazepam	5.953	217191	2003.12	85.4	278.21	418935	24.6694 ng/ml
Dihydrocodeine	2.545	108736	4718.45	65.4	99.65	250160	26.6842 ng/ml
Diphenhydramine	5.289	154605	13574.44	33.6	164840.42	405714	23.6402 ng/ml
Doxylamine	4.529	525408	2154.64	96.8	275251.42	939677	24.2105 ng/ml
EDDP	5.254	131726	867.51	41.1	128.16	289070	24.1025 ng/ml
Etizolam	5.813	227798	1065200.67	25.6	6908.71	222711	23.1789 ng/ml
Fentanyl	5.103	2136	12.69	80.6	9505.39	55684	2.4214 ng/ml
Flualprazolam	5.698	175818	4159.93	97.4	4718.37	530043	25.5347 ng/ml
Fluoxetine	5.700	22045	205.50	7.7	231.57	36262	25.2367 ng/ml
Hydrocodone	3.012	136631	476.13	39.5	141.34	323772	25.6441 ng/ml
Hydromorphone	1.595	133891	1095.76	76.6	364439.51	10556	25.3476 ng/ml
Ketamine	4.044	262687	628.17	37.3	207.49	519997	24.1783 ng/ml
Lamotrigine	4.273	26432	474.97	76.6	759.49	519997	25.7461 ng/ml
Levetiracetam	2.676	172340	1357.62	166.9	4129.57	1177045	25.4439 ng/ml

AM

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	404624	4460.63	58.0	163.06	222711	25.6081 ng/ml
MDA	3.196	274881	1536.92	24.0	452.90	289708	25.2303 ng/ml
MDMA	3.290	191608	1093.64	72.9	2299.85	72196	24.0576 ng/ml
Meprobamate	4.917	226225	914.26	28.0	100.58	392500	25.7133 ng/ml
Methadone	5.646	83157	180.75	48.6	546.94	147395	24.5080 ng/ml
Methamphetamine	3.224	193930	576.88	38.0	419.58	343918	24.6232 ng/ml
Metoprolol	4.326	56308	120154.56	89.9	1243.28	1309585	24.7945 ng/ml
Mirtazapine	4.624	111425	797.27	49.6	1070.69	481611	24.1662 ng/ml
Mitragynine	5.230	11323	51224.56	42.8	76.14	147395	25.2308 ng/ml
Morphine	1.240	22654	1758.88	34.0	1366.31	10556	25.1449 ng/ml
Norbuprenorphine	4.986	216	652.87	105.9	910.30	4166	2.3935 ng/ml
Nordiazepam	5.893	229581	898907.24	56.9	893.91	295657	24.6815 ng/ml
Norfentanyl	4.079	47823	9596.04	34.2	72.20	914976	2.3389 ng/ml
Norhydrocodone	3.053	18966	85.20	41.1	397.74	62520	22.7467 ng/ml
Noroxycodone	2.903	153661	679.13	40.9	14.80	221000	24.3043 ng/ml
O-desmethyl-tramadol	3.369	734494	5545.17	6.8	2146.46	1812579	23.8188 ng/ml
Oxazepam	5.749	491236	2766.35	73.7	2020.70	870311	24.8726 ng/ml
Oxycodone	2.827	311802	1278.68	27.7	600.88	553204	24.5836 ng/ml
Oxymorphone	1.391	165677	633.88	44.1	2062.99	236322	24.1260 ng/ml
Phentermine	3.783	75969	147.07	3.9	59.91	358529	25.0908 ng/ml
Promethazine	5.532	50984	777.33	26.4	39.55	92980	24.2416 ng/ml
Pseudoephedrine	2.589	576642	765.73	16.4	2516.62	1177045	23.3691 ng/ml
Quetiapine	5.548	82426	1404.45	57.1	93674.01	46645	24.5793 ng/ml
Temazepam	5.816	835586	7964.49	29.3	2270.52	1682457	23.3403 ng/ml
Tramadol	4.246	625434	17897.70	3.6	110.68	1309585	24.6231 ng/ml
Trazodone	5.156	61658	2282.03	78.8	61300.75	91823	24.1988 ng/ml
Venlafaxine	5.037	403321	2161.27	39.0	1368.39	869020	23.7604 ng/ml
Zolpidem	4.914	688227	134309.84	31.2	497.70	1452992	24.9009 ng/ml

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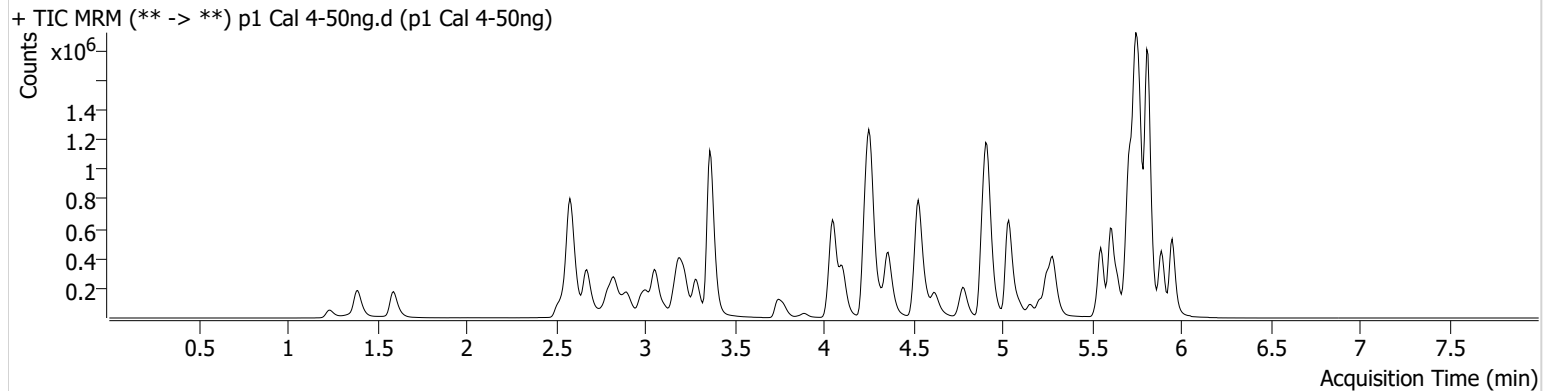


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-D1	Comment	
Injection Volume	2		
Acq. Date-Time	7/12/2021 9:20:43 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	14649	1119.47	68.6	2380.03	82713	4.7827 ng/ml
7-aminoclonazepam	4.271	198240	2377.70	78.6	3827.60	228887	50.1702 ng/ml
a-hydroxyalprazolam	5.692	235811	974.29	55.8	399.92	506006	54.2758 ng/ml
alpha-PPH	4.930	105498	827.60	270.7	3284.97	461161	50.9242 ng/ml
alpha-PVP	4.363	518269	6225.21	52.2	733.65	461161	48.9237 ng/ml
Alprazolam	5.768	705883	4593.80	113.2	724.72	506006	49.2164 ng/ml
Amphetamine	3.063	561657	3983.73	50.5	1330.45	136787	51.8588 ng/ml
Benzoylecgonine	3.892	30903	982.47	7.6	9215.77	23608	50.1675 ng/ml
Buprenorphine	5.833	2760	1252.02	16.1	391.95	24639	4.2923 ng/ml
Bupropion	4.788	288083	426.82	58.5	337.21	211016	48.9713 ng/ml
Carisoprodol	5.724	687681	845145.77	57.6	3270.41	732893	46.5032 ng/ml
Citalopram	5.212	128371	117.40	44.1	300.09	118315	48.7844 ng/ml
Clonazepam	5.612	833151	599741.52	31.7	276.57	206772	52.2389 ng/ml
Clonazepam	5.549	554287	278132.05	37.0	224629.95	206772	48.8381 ng/ml
Cocaine	4.257	547930	1814.57	50.6	6473.68	948684	48.9781 ng/ml
Codeine	2.566	79437	2316.30	101.1	4277.69	75841	53.5169 ng/ml
Cyclobenzaprine	5.615	45910	218078.23	9.2	119.44	37441	50.5834 ng/ml
Dextromethorphan	5.262	55387	36750.05	82.4	1046.25	57785	48.4682 ng/ml
Dextrophan	4.111	140792	229519.22	202.7	599.04	328471	50.0040 ng/ml
Diazepam	5.953	423634	965.30	88.2	3565.27	409357	49.7973 ng/ml
Dihydrocodeine	2.545	206548	40168.11	65.9	4477.67	245212	53.3059 ng/ml
Diphenhydramine	5.289	329058	6003.20	34.2	318.90	420005	48.9984 ng/ml
Doxylamine	4.529	1023395	4756.24	97.4	2505.94	936236	47.6803 ng/ml
EDDP	5.254	248241	378.61	42.4	5132.93	272635	48.8423 ng/ml
Etizolam	5.813	436577	2374.74	25.6	865.57	206772	47.9510 ng/ml
Fentanyl	5.103	5814	92.49	63.7	8687.03	62249	5.3509 ng/ml
Flualprazolam	5.698	342966	7202.85	93.6	14642.35	506006	53.0539 ng/ml
Fluoxetine	5.700	45881	2486.06	9.4	133.65	39922	49.1373 ng/ml
Hydrocodone	3.012	257676	534.83	39.3	∞	307240	51.7853 ng/ml
Hydromorphone	1.595	245617	541.42	78.0	633303.30	10206	49.1115 ng/ml
Ketamine	4.044	508445	13443.97	36.2	3018.70	493323	50.2629 ng/ml
Lamotrigine	4.273	51689	301.27	79.6	2029.97	493323	53.8331 ng/ml
Levetiracetam	2.676	336153	1301.11	165.0	1419.11	1133588	53.1409 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	742320	11391.43	57.3	829.41	206772	52.2941 ng/ml
MDA	3.196	543186	1979.76	23.9	665.25	289410	50.9288 ng/ml
MDMA	3.290	373522	924.81	74.0	539.18	69404	49.5158 ng/ml
Meprobamate	4.917	410013	314.20	28.7	7512.51	361639	52.2576 ng/ml
Methadone	5.646	172700	911.27	48.2	2414.68	156537	48.2621 ng/ml
Methamphetamine	3.224	374169	874.96	38.9	572.74	331765	50.7632 ng/ml
Metoprolol	4.326	108313	967.80	88.4	1166.30	1271605	49.5863 ng/ml
Mirtazapine	4.624	231431	321.57	50.8	28068.51	461161	51.7043 ng/ml
Mitragynine	5.230	22551	610.64	38.4	15813.61	156537	47.5360 ng/ml
Morphine	1.240	42785	61.37	34.9	37.94	10206	50.0805 ng/ml
Norbuprenorphine	4.992	428	422.12	101.8	2481.33	4112	5.0528 ng/ml
Nordiazepam	5.893	442066	8766.41	56.4	846.84	284322	50.3858 ng/ml
Norfentanyl	4.079	103171	3034.80	33.6	232.66	953030	4.8924 ng/ml
Norhydrocodone	3.059	35995	60.36	44.0	111.06	58706	45.8033 ng/ml
Noroxycodone	2.903	290327	862.10	41.9	188.58	208024	49.3368 ng/ml
O-desmethyl-tramadol	3.369	1417466	63445.33	6.7	4845.40	1737183	48.2374 ng/ml
Oxazepam	5.749	902033	4444.17	74.1	379.63	797291	50.5332 ng/ml
Oxycodone	2.827	596153	1910.07	27.5	371.19	524355	50.2348 ng/ml
Oxymorphone	1.391	315551	780.49	41.2	300.38	219360	50.1961 ng/ml
Phentermine	3.783	149323	397.54	4.0	36.10	352168	51.3412 ng/ml
Promethazine	5.532	103935	3735.29	27.9	187.50	91671	50.5182 ng/ml
Pseudoephedrine	2.589	1124772	2021.13	16.6	14368.41	1133588	47.4658 ng/ml
Quetiapine	5.548	171756	1832.51	58.1	326675.48	47350	51.4893 ng/ml
Sertraline	5.769	20574	155.26	105.2	∞	18838	49.5065 ng/ml
Temazepam	5.816	1571584	4245.84	28.9	850.78	1548703	46.7021 ng/ml
Tramadol	4.246	1209107	844.59	3.6	261.52	1271605	49.7364 ng/ml
Trazodone	5.156	124753	446.63	81.7	181499.67	94427	48.4150 ng/ml
Venlafaxine	5.037	790326	23141.63	37.9	6788.51	845217	48.1243 ng/ml
Zolpidem	4.914	1331389	4109.23	30.7	448.79	1425310	49.9034 ng/ml

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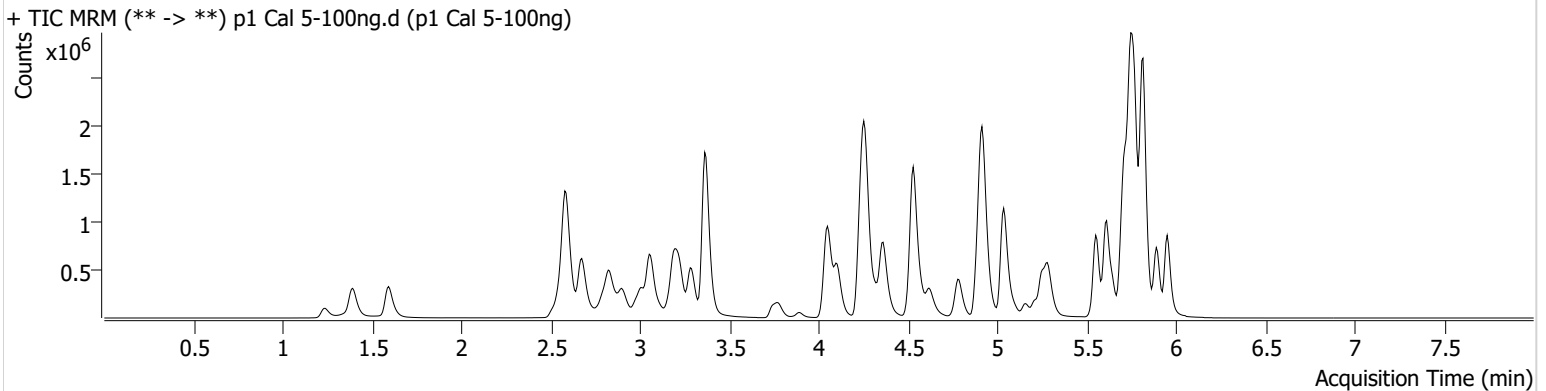


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-E1	Comment	
Injection Volume	2		
Acq. Date-Time	7/12/2021 9:31:19 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	32867	376.76	69.1	52841.52	87861	10.1231 ng/ml
7-aminoclonazepam	4.271	396110	6833.01	79.1	124.69	231062	99.7506 ng/ml
a-hydroxyalprazolam	5.692	423451	657.21	57.3	461.93	491151	101.8032 ng/ml
alpha-PHP	4.930	226882	8505.45	267.3	7832.24	512923	99.3369 ng/ml
alpha-PVP	4.363	1130809	8012.23	52.7	566.23	512923	96.4844 ng/ml
Alprazolam	5.775	1387852	2237.52	112.7	∞	491151	100.1702 ng/ml
Amphetamine	3.063	1208147	14343.70	51.0	3681.73	149676	103.1575 ng/ml
Benzoylecgonine	3.892	63187	4444.11	7.5	149.99	24826	97.6894 ng/ml
Buprenorphine	5.833	5314	337.85	14.6	1146.20	20827	9.1635 ng/ml
Bupropion	4.788	655349	26954.52	59.2	3045.97	237184	99.7739 ng/ml
Carisoprodol	5.724	1283551	301468.75	56.1	24030.29	656826	97.2218 ng/ml
Citalopram	5.212	233008	2875.68	43.0	205938.31	107782	97.2418 ng/ml
Clonazepam	5.612	1594790	3033.51	31.3	716429.17	199343	104.7330 ng/ml
Clonazepam	5.548	1093427	102998.69	37.7	544562.40	199343	100.4978 ng/ml
Cocaine	4.257	1161292	23046.16	51.7	20224.69	1017762	97.1260 ng/ml
Codeine	2.566	158125	5936.48	102.5	804.51	78510	104.1292 ng/ml
Cyclobenzaprine	5.615	63043	267209.30	9.4	68.25	24835	102.0502 ng/ml
Dextromethorphan	5.262	88949	348.10	81.1	214207.55	44931	100.2809 ng/ml
Dextrophan	4.105	294738	2113.06	205.3	1323.45	349552	98.8704 ng/ml
Diazepam	5.953	831850	6950.61	87.5	27824.91	410581	98.0225 ng/ml
Dihydrocodeine	2.545	433731	879.44	65.2	354.42	258302	107.9543 ng/ml
Diphenhydramine	5.289	567834	182132.37	34.0	126.85	368074	96.8457 ng/ml
Doxylamine	4.529	2271936	832.84	97.8	8992.13	1031392	96.4562 ng/ml
EDDP	5.254	540145	14476.71	42.3	3708.55	298353	97.7898 ng/ml
Etizolam	5.813	849883	2962.36	25.0	3233.28	199343	96.9244 ng/ml
Fentanyl	5.103	8194	12.81	63.8	4054.00	45616	9.9417 ng/ml
Flualprazolam	5.698	628586	10556.89	99.2	73901.40	491151	100.9251 ng/ml
Fluoxetine	5.700	54311	53.60	8.2	2458.26	23727	99.4550 ng/ml
Hydrocodone	3.012	550533	191.41	39.5	249.20	333941	102.5968 ng/ml
Hydromorphone	1.595	527194	1365256.45	78.0	892444.73	10861	100.2012 ng/ml
Ketamine	4.044	1071849	697.96	38.1	1095.43	535928	98.3802 ng/ml
Lamotrigine	4.273	102336	1387.78	80.0	1649.11	535928	98.7001 ng/ml
Levetiracetam	2.676	667896	3468.07	164.3	8131.93	1202703	100.8872 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	1251918	16590.78	56.2	1213.62	199343	92.7797 ng/ml
MDA	3.196	1129550	5602.48	23.5	1302.71	298639	103.6923 ng/ml
MDMA	3.290	798821	6713.83	73.6	1656.86	74018	100.0099 ng/ml
Meprobamate	4.917	765460	14142.86	28.0	341.11	350433	102.2875 ng/ml
Methadone	5.646	282005	431.93	48.2	2549.21	130224	95.0718 ng/ml
Methamphetamine	3.224	774416	1452.52	37.7	879.65	351274	100.6751 ng/ml
Metoprolol	4.319	233733	5297.35	90.7	387.04	1379617	99.0977 ng/ml
Mirtazapine	4.624	408779	1589.13	51.1	906.08	512923	81.7497 ng/ml
Mitragynine	5.230	35431	537.23	39.0	401.27	130224	90.0042 ng/ml
Morphine	1.240	91457	420.79	33.2	371.34	10861	101.6040 ng/ml
Norbuprenorphine	4.992	900	352.23	82.1	962.14	3787	11.8529 ng/ml
Nordiazepam	5.893	844527	1295.66	57.9	1498.83	276255	99.9998 ng/ml
Norfentanyl	4.079	216994	376.24	34.3	1106.64	1012752	9.7273 ng/ml
Norhydrocodone	3.059	76013	126.45	42.0	97.79	59476	95.2943 ng/ml
Noroxycodone	2.903	591242	1378.50	43.1	1104.07	218714	96.0753 ng/ml
O-desmethyl-tramadol	3.369	2969159	52007.84	6.7	6487.18	1819905	96.7216 ng/ml
Oxazepam	5.749	1622938	6010.20	72.8	7268.44	705366	103.4660 ng/ml
Oxycodone	2.827	1277207	1810.69	27.1	725.53	560475	101.3256 ng/ml
Oxymorphone	1.391	649550	∞	41.8	316.68	222194	102.6888 ng/ml
Phentermine	3.783	316307	3286.70	3.8	88.95	370331	104.5688 ng/ml
Promethazine	5.532	147291	572.67	29.2	379.55	69137	95.2507 ng/ml
Pseudoephedrine	2.589	2409384	34506.62	16.5	536.79	1202703	95.9687 ng/ml
Quetiapine	5.548	323807	8282.66	59.5	44326.92	46762	99.1848 ng/ml
Sertraline	5.769	25357	273.71	85.8	1681.27	11068	101.5397 ng/ml
Temazepam	5.816	2935941	2166.59	28.2	630.19	1448699	92.3245 ng/ml
Tramadol	4.239	2565406	147667.13	3.6	344.09	1379617	97.9528 ng/ml
Trazodone	5.156	224843	1431.34	77.9	38328.67	83213	99.8866 ng/ml
Venlafaxine	5.037	1744652	647.16	38.3	481.78	928920	96.9143 ng/ml
Zolpidem	4.914	2763523	6471.06	30.6	7726.27	1449027	102.7413 ng/ml

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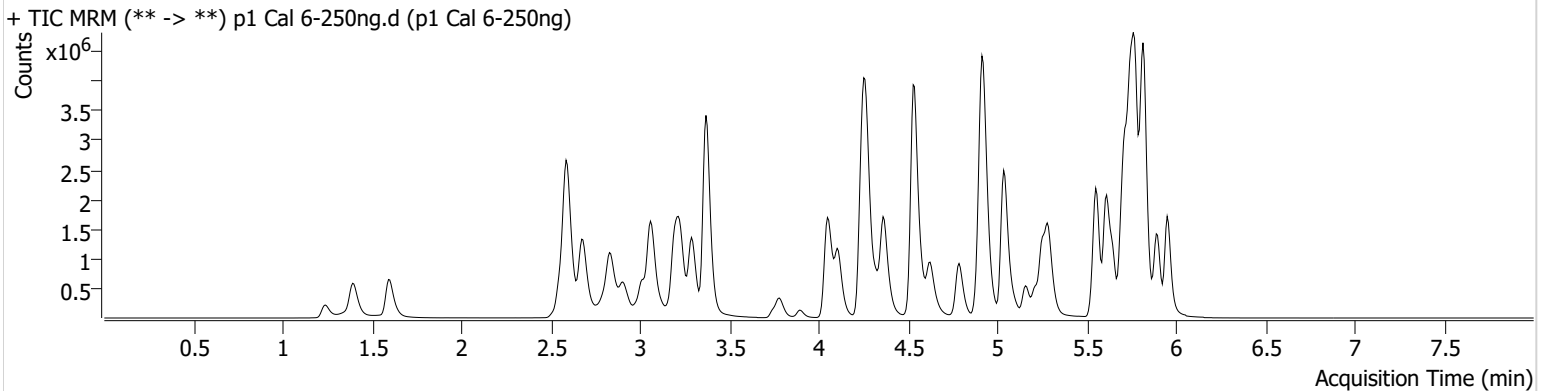


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-F1	Comment	
Injection Volume	2		
Acq. Date-Time	7/12/2021 9:41:57 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	82874	741.54	71.8	10521.48	91771	24.4649 ng/ml
7-aminoclonazepam	4.271	905029	1026.93	77.4	5721.85	209212	252.4075 ng/ml
a-hydroxyalprazolam	5.692	756524	910.02	57.4	2755.89	446109	201.8241 ng/ml
alpha-PHP	4.937	577172	23899.70	266.9	41540.00	493548	264.1623 ng/ml
alpha-PVP	4.370	2795824	66282.09	52.2	4034.45	493548	248.7459 ng/ml
Alprazolam	5.775	3205377	∞	110.0	∞	446109	255.4304 ng/ml
Amphetamine	3.063	3243879	14680.00	50.0	2781.46	165101	252.9009 ng/ml
Benzoylecgonine	3.892	158045	237.25	7.5	655.61	24258	250.3144 ng/ml
Buprenorphine	5.840	17482	4879.60	14.5	3165.18	25626	23.6940 ng/ml
Bupropion	4.788	1612547	34399.43	59.9	935.14	232557	251.3641 ng/ml
Carisoprodol	5.724	2541510	3403061.99	56.0	8939.83	506574	250.1416 ng/ml
Citalopram	5.212	783482	∞	42.1	792.77	140661	250.6082 ng/ml
Clonazepam	5.612	3456970	54477.31	31.0	2604.64	173036	263.0797 ng/ml
Clonazolam	5.555	2474474	913428.61	38.5	2006996.85	173036	262.8768 ng/ml
Cocaine	4.264	2902658	44127.10	51.2	1127.97	1005663	246.2624 ng/ml
Codeine	2.573	354741	1188.23	100.4	7640.25	76092	242.7659 ng/ml
Cyclobenzaprine	5.615	336991	1902806.23	9.2	380.71	54475	245.1068 ng/ml
Dextromethorphan	5.262	341708	167.04	80.4	5593.72	69943	247.7180 ng/ml
Dextrophan	4.112	759711	682.27	205.5	4173.01	359618	248.4979 ng/ml
Diazepam	5.953	1947655	2185.93	87.9	7125.71	378516	249.8027 ng/ml
Dihydrocodeine	2.552	1019969	15707.12	67.8	1378.30	255326	259.1727 ng/ml
Diphenhydramine	5.289	1985841	1001.51	33.0	560.89	496420	251.7203 ng/ml
Doxylamine	4.536	6194225	212035.67	97.8	11827.30	1101667	246.7721 ng/ml
EDDP	5.254	1688466	1477.61	42.3	7464.48	366737	249.7413 ng/ml
Etizolam	5.813	1940553	9268.40	26.1	5938.64	173036	255.1147 ng/ml
Fentanyl	5.103	38445	2500.62	66.7	118273.22	85427	24.3384 ng/ml
Flualprazolam	5.705	1400870	14854.36	101.7	60494.05	446109	248.8540 ng/ml
Fluoxetine	5.700	266645	13447.39	8.4	12801.37	47507	246.1948 ng/ml
Hydrocodone	3.012	1285111	∞	41.4	∞	324883	247.3315 ng/ml
Hydromorphone	1.601	1212261	12139.69	77.2	2305.57	10025	251.3182 ng/ml
Ketamine	4.051	2727883	202669.65	36.4	575.57	534175	252.5971 ng/ml
Lamotrigine	4.280	248070	6745.18	81.1	3684.18	534175	241.0712 ng/ml
Levetiracetam	2.683	1485400	1886.84	165.0	3101.82	1160015	234.6799 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	1816637	55418.55	56.2	454.95	173036	156.2638 ng/ml
MDA	3.196	2833351	10383.33	23.7	3414.08	304595	256.5374 ng/ml
MDMA	3.290	2161963	168727.27	73.1	4867.38	80572	249.7106 ng/ml
Meprobamate	4.924	1500513	77665.20	28.3	12014.46	312499	226.9306 ng/ml
Methadone	5.646	1097888	2420.61	47.7	4727.92	190512	253.5854 ng/ml
Methamphetamine	3.231	2145216	8033.09	37.5	953.32	384729	256.9466 ng/ml
Metoprolol	4.326	580991	1283912.85	92.0	4894.64	1379897	246.9859 ng/ml
Mirtazapine	4.624	1403267	1258.66	51.2	75703.90	493548	290.0786 ng/ml
Mitragynine	5.237	150413	946.37	40.2	396.79	190512	261.6609 ng/ml
Morphine	1.240	209887	4086.66	34.5	∞	10025	254.1223 ng/ml
Norbuprenorphine	4.992	2414	2084.98	99.0	4442.81	5012	24.2698 ng/ml
Nordiazepam	5.900	1926762	2552.56	56.2	1560.28	251410	252.1448 ng/ml
Norfentanyl	4.079	537172	14612.10	34.4	5754.02	969135	25.2350 ng/ml
Norhydrocodone	3.060	160332	281.59	41.5	219.11	45093	264.8142 ng/ml
Noroxycodone	2.909	1317931	3166.77	42.2	∞	187743	250.3633 ng/ml
O-desmethyl-tramadol	3.369	7603588	10816.11	6.5	20026.72	1781549	253.4620 ng/ml
Oxazepam	5.749	2727324	17265.41	73.6	7963.33	478291	257.4194 ng/ml
Oxycodone	2.827	3215264	2479.74	27.0	2017.34	568707	252.3270 ng/ml
Oxymorphone	1.391	1489590	∞	42.3	∞	201316	260.9218 ng/ml
Phentermine	3.783	855847	1320.42	4.0	638.23	410398	256.9450 ng/ml
Promethazine	5.532	744477	1269682.08	28.6	330.45	136392	244.6189 ng/ml
Pseudoephedrine	2.596	5963426	44183.94	16.1	22451.50	1160015	246.4788 ng/ml
Quetiapine	5.548	1074269	14619.99	58.2	183.69	62235	248.7158 ng/ml
Sertraline	5.769	137796	279.88	94.1	149.77	23234	259.5156 ng/ml
Temazepam	5.823	5943418	1255.79	28.6	1242.58	1147647	234.4531 ng/ml
Tramadol	4.246	6335080	1602.59	3.6	840.89	1379897	242.8946 ng/ml
Trazodone	5.156	859613	2380.34	80.0	55254.17	125596	254.2895 ng/ml
Venlafaxine	5.037	4660914	48338.83	37.7	6185.92	963479	250.0176 ng/ml
Zolpidem	4.914	7359014	∞	29.6	3494.35	1560618	255.2347 ng/ml

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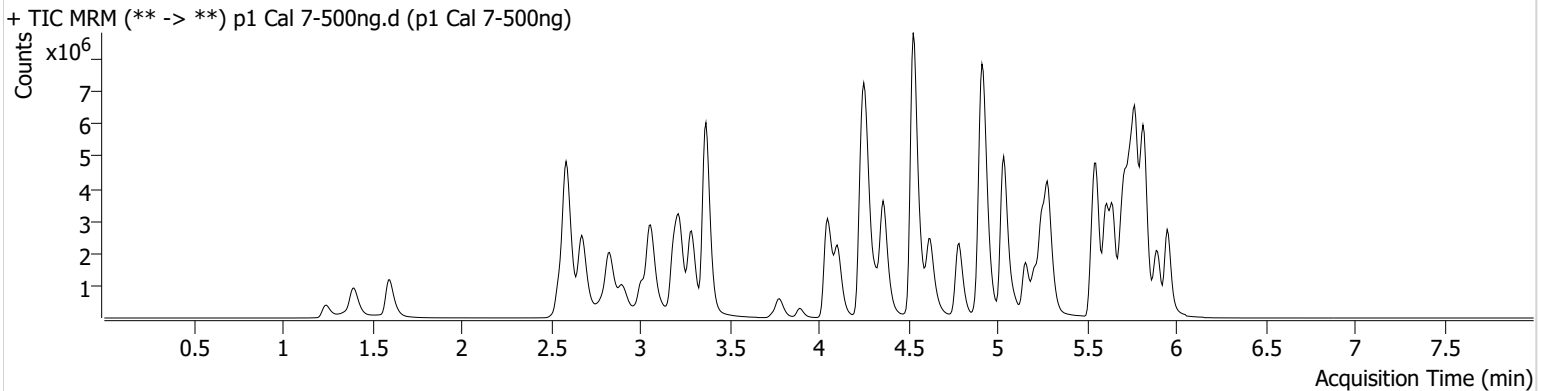


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-G1	Comment	
Injection Volume	2		
Acq. Date-Time	7/12/2021 9:52:32 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	172354	800.93	69.2	1000.13	91599	50.9962 ng/ml
7-aminoclonazepam	4.271	1483341	8386.70	78.8	20417.65	168997	512.6102 ng/ml
a-hydroxyalprazolam	5.685	953658	707.45	57.7	337.15	354704	320.9350 ng/ml
alpha-PHP	4.930	1223683	2894.43	269.9	116293.85	538254	514.4248 ng/ml
alpha-PVP	4.363	6397991	14846.65	51.3	26257.51	538254	522.5361 ng/ml
Alprazolam	5.775	5112386	8697.79	112.2	1164.25	354704	512.8494 ng/ml
Amphetamine	3.063	6196509	2685.60	48.9	3191.37	160366	498.5748 ng/ml
Benzoylecgonine	3.892	363317	3164.28	7.7	1312.61	27621	505.5137 ng/ml
Buprenorphine	5.840	59300	4639.87	12.8	12520.49	36800	55.3148 ng/ml
Bupropion	4.788	4226487	620.26	59.9	1349.17	299856	511.6280 ng/ml
Carisoprodol	5.724	3423020	312535.51	55.1	6329.96	329684	518.0319 ng/ml
Citalopram	5.212	2368419	938.56	41.9	685.91	208433	511.2886 ng/ml
Clonazepam	5.612	4968216	25558.76	31.4	34544.20	136279	480.9125 ng/ml
Clonazepam	5.555	3795930	24259.92	36.8	643296.26	136279	512.5426 ng/ml
Cocaine	4.257	5858190	951.02	50.1	859.49	963537	519.1557 ng/ml
Codeine	2.566	591284	736.03	100.0	300.92	68811	448.5712 ng/ml
Cyclobenzaprine	5.615	1945872	21363.36	9.0	∞	150162	510.7095 ng/ml
Dextromethorphan	5.262	1255412	422.30	79.9	2172.73	124940	509.6577 ng/ml
Dextrophan	4.111	1589189	23979.43	205.6	143866.50	367963	508.5704 ng/ml
Diazepam	5.953	3442467	19038.70	86.1	653.46	324265	515.9846 ng/ml
Dihydrocodeine	2.545	1908662	5016.85	67.4	3020.28	261954	474.1178 ng/ml
Diphenhydramine	5.289	5995464	105883.66	32.8	29094.47	718309	525.6186 ng/ml
Doxylamine	4.529	14532390	188937.57	95.5	37851.56	1184438	538.9307 ng/ml
EDDP	5.254	3907849	37920.24	42.0	634.51	409215	518.7450 ng/ml
Etizolam	5.813	3331084	2852.68	25.7	13897.36	136279	556.1520 ng/ml
Fentanyl	5.103	190903	10959.82	67.6	290196.77	199932	51.2145 ng/ml
Flualprazolam	5.698	2203779	26945.66	100.3	474147.99	354704	493.1916 ng/ml
Fluoxetine	5.700	1531148	∞	8.4	294.89	127967	526.6476 ng/ml
Hydrocodone	3.012	2601807	∞	40.3	2334.27	332875	489.5311 ng/ml
Hydromorphone	1.601	2382791	10955.70	77.3	8794123.22	10003	496.1589 ng/ml
Ketamine	4.051	5754133	8034.57	35.8	5836.65	557536	511.4144 ng/ml
Lamotrigine	4.280	401650	4011.97	79.8	4005.29	557536	374.3607 ng/ml
Levetiracetam	2.676	2899176	30934.50	165.8	14673.02	1101295	484.1241 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	1846985	55858.39	56.7	1673.95	136279	202.2304 ng/ml
MDA	3.196	5182770	4516.57	23.1	4851.15	293940	487.2018 ng/ml
MDMA	3.290	4465485	101402.02	73.8	7649.30	80079	519.7189 ng/ml
Meprobamate	4.924	2049278	48046.88	28.3	35724.30	248582	390.8565 ng/ml
Methadone	5.646	4119535	30331.48	47.8	15532.25	342021	530.3945 ng/ml
Methamphetamine	3.224	4467079	19989.34	37.4	4034.12	409004	504.7474 ng/ml
Metoprolol	4.326	1161985	3250142.98	92.5	8690.28	1305275	522.7447 ng/ml
Mirtazapine	4.624	4028577	4881.75	50.3	8181.71	538254	762.6072 ng/ml
Mitragynine	5.230	663089	414825.42	39.8	320509.36	342021	642.9033 ng/ml
Morphine	1.247	407328	777.02	34.3	1159.33	10003	495.2014 ng/ml
Norbuprenorphine	4.986	6842	61.32	112.9	799.56	7864	44.0532 ng/ml
Nordiazepam	5.900	3103798	58062.75	55.7	639.56	202679	504.7989 ng/ml
Norfentanyl	4.079	1175974	2197.87	34.3	1412.34	976676	54.8705 ng/ml
Norhydrocodone	3.053	304080	560.00	44.0	178.36	43941	515.2470 ng/ml
Noroxycodone	2.903	2299988	1071.97	41.8	412.50	156024	526.3510 ng/ml
O-desmethyl-tramadol	3.369	15270383	1377.45	6.4	1024.97	1676507	541.2326 ng/ml
Oxazepam	5.749	2881634	35824.26	72.7	3241.85	262592	496.0207 ng/ml
Oxycodone	2.827	6420070	5712.54	26.8	2977.63	566232	506.6736 ng/ml
Oxymorphone	1.398	2589784	∞	42.1	∞	181768	503.0305 ng/ml
Phentermine	3.783	1703382	7683.53	4.0	1176.04	427263	492.2406 ng/ml
Promethazine	5.532	4485814	81591.03	27.6	402.73	386465	520.6026 ng/ml
Pseudoephedrine	2.589	12437874	113623.10	15.5	81328.74	1101295	541.6479 ng/ml
Quetiapine	5.548	2886993	49024.83	57.3	3244590.50	84360	494.0631 ng/ml
Sertraline	5.769	694904	12294.87	106.9	179.16	64822	467.3821 ng/ml
Temazepam	5.823	8152932	75644.34	27.9	58859.61	721714	510.2996 ng/ml
Tramadol	4.239	13105511	∞	3.5	8288.87	1305275	532.0613 ng/ml
Trazodone	5.156	2807684	5025.50	80.7	57341.34	206299	506.4728 ng/ml
Venlafaxine	5.037	10225311	106883.18	36.7	712.70	1010140	523.4356 ng/ml
Zolpidem	4.914	14557524	3892.81	29.2	3902.51	1526211	517.1232 ng/ml

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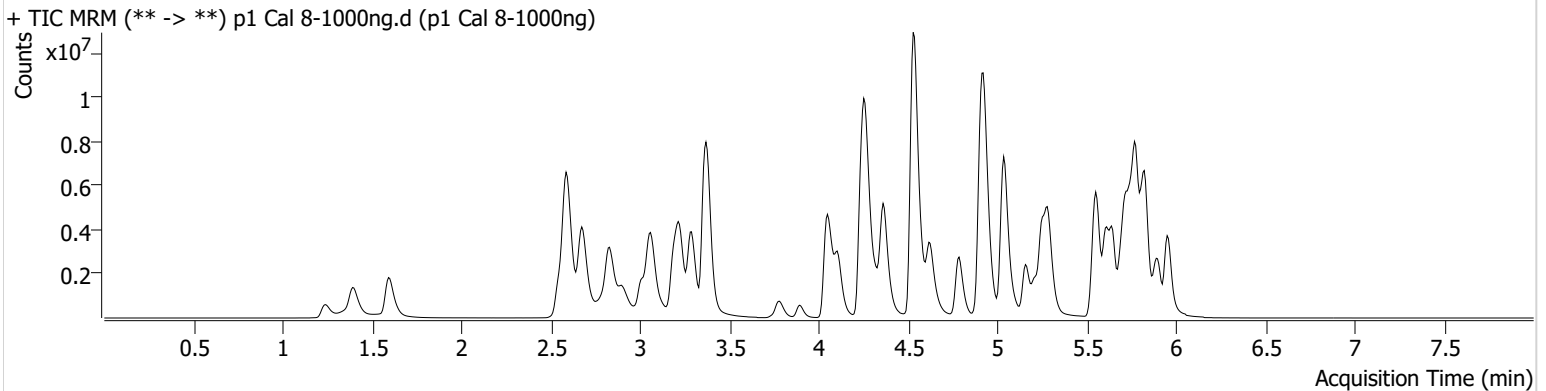


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\071221 AM 27 28 P1 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2021 8:25:45 AM

Instrument	Falco (069901)	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P6-H1	Comment	
Injection Volume	2		
Acq. Date-Time	7/12/2021 10:03:08 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	295688	791.21	70.8	6506.68	80472	99.6040 ng/ml
7-aminoclonazepam	4.278	2128198	9423.50	78.3	8151.69	124078	1002.1486 ng/ml
a-hydroxyalprazolam	5.685	1157343	1369.22	57.7	448.07	271500	509.7991 ng/ml
alpha-PHP	4.937	1520964	38743.84	269.9	5814.24	394786	872.4102 ng/ml
alpha-PVP	4.363	9403792	74414.37	51.8	3642.50	394786	1047.6645 ng/ml
Alprazolam	5.775	7518491	∞	114.6	5084.98	271500	985.7847 ng/ml
Amphetamine	3.063	8394894	38483.26	49.1	2861.24	119045	910.9471 ng/ml
Benzoylcegonine	3.892	724346	1371.56	7.8	489.81	27899	997.9591 ng/ml
Buprenorphine	5.840	48986	1422.82	14.5	28988.91	15480	108.1583 ng/ml
Bupropion	4.788	5043902	∞	59.9	1798.19	182761	1002.3948 ng/ml
Carisoprodol	5.724	4784302	93264.40	54.1	47274.47	218568	1092.5157 ng/ml
Citalopram	5.212	2762225	466.45	41.6	66603.34	122793	1012.2225 ng/ml
Clonazepam	5.612	7104263	24590.62	31.0	23140.06	103593	905.5556 ng/ml
Clonazepam	5.555	5550975	75860.52	37.0	2256425.13	103593	986.5000 ng/ml
Cocaine	4.257	9251718	3761.68	49.4	2729.21	762678	1036.1930 ng/ml
Codeine	2.566	861128	524.85	98.8	356.17	56424	797.7293 ng/ml
Cyclobenzaprine	5.615	1353402	1031.14	9.2	4837.63	54555	975.4432 ng/ml
Dextromethorphan	5.262	1172562	16079.89	81.2	11348.47	59047	1007.3971 ng/ml
Dextrophan	4.111	2140041	4115.41	208.2	31301.86	247868	1017.1957 ng/ml
Diazepam	5.953	5206790	∞	86.8	13922.82	251153	1008.1508 ng/ml
Dihydrocodeine	2.545	3031172	6364.86	67.5	646.98	239642	824.3089 ng/ml
Diphenhydramine	5.289	6860534	106750.86	33.1	822.12	422709	1022.4119 ng/ml
Doxylamine	4.529	23143556	3829.40	96.5	425072.10	988476	1028.7564 ng/ml
EDDP	5.254	6588464	43461.89	40.6	681.20	343317	1043.1420 ng/ml
Etizolam	5.813	5348920	8814.92	24.9	13646.11	103593	1174.9255 ng/ml
Fentanyl	5.103	150594	259.04	66.2	77029.61	83044	96.9254 ng/ml
Flualprazolam	5.698	3121019	71824.09	105.5	75944.08	271500	913.2301 ng/ml
Fluoxetine	5.700	617988	32766.60	8.7	956.06	27933	975.1621 ng/ml
Hydrocodone	3.012	4211395	∞	40.1	617.37	281364	938.2008 ng/ml
Hydromorphone	1.595	3984709	8855571.07	77.8	8360.50	8421	986.7101 ng/ml
Ketamine	4.051	9949362	6562.71	34.9	15557.58	491392	1004.1692 ng/ml
Lamotrigine	4.280	601222	3050.00	81.0	63750.62	491392	636.3049 ng/ml
Levetiracetam	2.676	4779240	4646.77	168.2	25932.52	830167	1060.5776 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	1827484	32154.04	57.9	6889.96	103593	263.7513 ng/ml
MDA	3.196	6726618	12795.05	22.6	3115.59	203042	916.3278 ng/ml
MDMA	3.290	6622887	7026.99	73.4	4335.61	61520	1003.9940 ng/ml
Meprobamate	4.931	2660993	28407.42	28.6	7953.27	205665	614.4230 ng/ml
Methadone	5.646	4312657	38253.00	47.6	36212.87	186351	1019.4250 ng/ml
Methamphetamine	3.224	6625942	52353.42	37.1	61650.80	325758	941.3125 ng/ml
Metoprolol	4.326	1617042	1204.49	91.7	9465.12	996490	953.2747 ng/ml
Mirtazapine	4.624	5224643	5017.28	50.1	58241.93	394786	1347.9697 ng/ml
Mitragynine	5.230	556120	1876.17	40.0	236433.78	186351	989.7468 ng/ml
Morphine	1.240	664768	76088.45	35.5	5169.14	8421	960.9502 ng/ml
Norbuprenorphine	4.986	6847	303.19	106.9	5860.25	3496	99.4904 ng/ml
Nordiazepam	5.900	4312242	835.21	55.5	344.98	145435	978.2909 ng/ml
Norfentanyl	4.079	1847389	39621.83	33.8	3487.14	705540	119.3770 ng/ml
Norhydrocodone	3.059	481417	140.65	41.6	190.31	32298	1109.6009 ng/ml
Noroxycodone	2.903	3034949	2783.30	43.1	726.13	106551	1017.5380 ng/ml
O-desmethyl-tramadol	3.369	23548108	45510.29	6.7	26877.33	1377984	1015.6706 ng/ml
Oxazepam	5.749	2735978	22222.25	71.5	5895.61	133505	926.9011 ng/ml
Oxycodone	2.827	10953896	∞	26.7	3683.72	500649	978.3184 ng/ml
Oxymorphone	1.391	4362020	∞	42.2	∞	161867	952.0213 ng/ml
Phentermine	3.783	2327163	∞	4.0	195.69	320976	896.1159 ng/ml
Promethazine	5.532	3104050	2367.60	27.9	4133.43	138865	1002.9061 ng/ml
Pseudoephedrine	2.589	18509215	692.23	15.6	46418.58	830167	1069.4217 ng/ml
Quetiapine	5.548	4338286	63994.95	58.4	29173.60	61769	1015.0002 ng/ml
Sertraline	5.769	309678	195.63	99.1	635.72	13183	1021.6464 ng/ml
Temazepam	5.830	9582994	26128.31	28.3	6375.89	425488	1016.4573 ng/ml
Tramadol	4.239	18774778	2723.53	3.5	11467.83	996490	999.0463 ng/ml
Trazodone	5.156	3963645	107673.11	81.3	4814.72	141077	1046.4344 ng/ml
Venlafaxine	5.037	15764956	4523.80	37.2	2897.83	762867	1068.8525 ng/ml
Zolpidem	4.914	24150520	164877.90	31.3	154910.59	1436982	911.7874 ng/ml