

Worklist: 6218

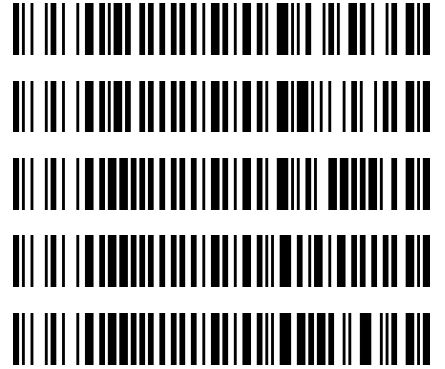
<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
C2022-2873	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-5034	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-5245	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-5337	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-5395	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-2236	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3751	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3756	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3855	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3856	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3883	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3885	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3900	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3918	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3928	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3929	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3930	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-3931	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0027	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0029	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2023-0033	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Handwritten initials/signature

1/18/2023

Worklist: 6219

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>
M2022-5164	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
M2022-5337	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2022-3751	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2022-3931	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ
P2023-0029	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ



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

Extraction Date: 1/19/2023

P1 Plate lot#: 220802

P2 Plate lot#: 220816

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

Blank Blood Lot: Lampire 22B52015-2

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

Analyst: Amber Gerheart

Plate Retest Date: 02/02/2023

Plate Retest Date: 02/16/2023

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Urine Lot: N/A

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: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.**
- 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate.
Pipette ID: 42
- 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. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. **Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.**
- 17. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

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

COMMENTS:

This extraction was done for worklist 6218 and 6219. Different analytical plates were used for P1 and P2, both were transferred to the same SLE plate in step 6.

P1 Curve Ranges:

7-aminoclonazepam 5-250 ng/mL – accuracy

Amphetamine 5-500 ng/mL – accuracy

Chlordiazepoxide 25-1000 ng/mL – ratios

2/2

Chlorpheniramine 25-1000 ng/mL – peak shape
Cyclobenzaprine 25-1000 ng/mL – ratios
Dihydrocodeine 5-500 ng/mL – accuracy
DMT 5-500 ng/mL – accuracy
Duloxetine 25-1000 ng/mL – S/N
Fentanyl 1-100 ng/mL – ratio
Lamotrigine 5-500 ng/mL – accuracy
Meprobamate 5-250 ng/mL – accuracy
Mirtazapine 5-250 ng/mL – accuracy
Norbuprenorphine 5-100 ng/mL – accuracy and S/N
Norfentanyl 0.5-50 ng/mL – accuracy
Trazadone 5-500 ng/mL – accuracy

Did not evaluate Buprenorphine – ratio and accuracy

P2 Curve Ranges:

Compounds evaluated: amitriptyline, maprotiline, nortriptyline, midazolam, alpha-hydroxymidazolam, acetyl fentanyl, 9-hydroxyrisperidone, topiramate

Maprotiline 50-1000 ng/mL - accuracy
Topiramate 50-1000 ng/mL - accuracy

P1 Curve Ranges:

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2022-5245-1	P2022-3883-1	P2023-0027-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2022-5337-1	P2022-3885-1	P2023-0029-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	M2022-5395-2	P2022-3900-1	P2023-0033-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	P2022-2236-1	P2022-3918-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	P2022-3751-1	P2022-3928-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Negative Blood	P2022-3756-1	P2022-3929-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	C2022-2873-1	P2022-3855-1	P2022-3930-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2022-5034-2	P2022-3856-1	P2022-3931-1	IS + Sample	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

12

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	P2022-3751-1	IS + Cal. 1	IS + QC_1	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	P2022-3931-1	IS + Cal. 2	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	P2023-0029	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Negative Blood	IS + Sample	IS + Cal. 6	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2022-5164-1	IS + Sample	IS + Cal. 7	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2022-5337-1	IS + Sample	IS + Cal. 8	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

24

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2022-5245-1	P2022-3883-1	P2023-0027-1	IS + Cal. 1	IS + QC_1	P2022-3751-1				
B	IS + Cal. 2	IS + QC_2	M2022-5337-1	P2022-3885-1	P2023-0029-1	IS + Cal. 2	IS + QC_2	P2022-3931-1				
C	IS + Cal. 3	IS + QC_3	M2022-5395-2	P2022-3900-1	P2023-0033-1	IS + Cal. 3	IS + QC_3	P2023-0029				
D	IS + Cal. 4	IS + QC_4	P2022-2236-1	P2022-3918-1		IS + Cal. 4	IS + QC_4					
E	IS + Cal. 5		P2022-3751-1	P2022-3928-1		IS + Cal. 5						
F	IS + Cal. 6	Negative Blood	P2022-3756-1	P2022-3929-1		IS + Cal. 6	Negative Blood					
G	IS + Cal. 7	C2022-2873-1	P2022-3855-1	P2022-3930-1		IS + Cal. 7	M2022-5164-1					
H	IS + Cal. 8	M2022-5034-2	P2022-3856-1	P2022-3931-1		IS + Cal. 8	M2022-5337-1					

All wells to contain 60 µl of Trapping Solution

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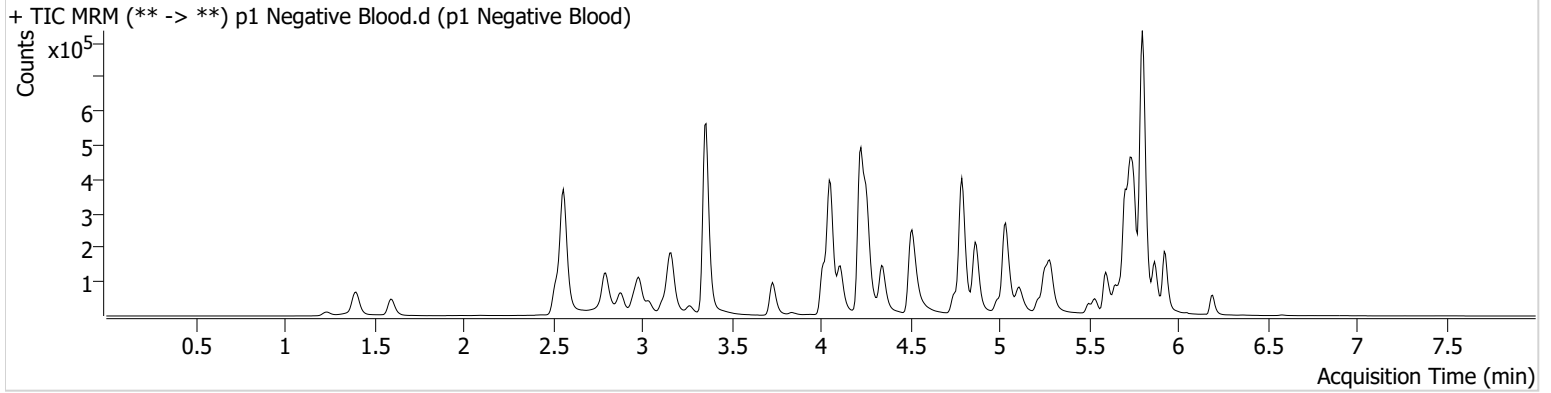


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	1/20/2023 1:09:06 AM		
Sample Info.			

Sample Chromatogram



AM #28 Multi-Drug Quant. Results

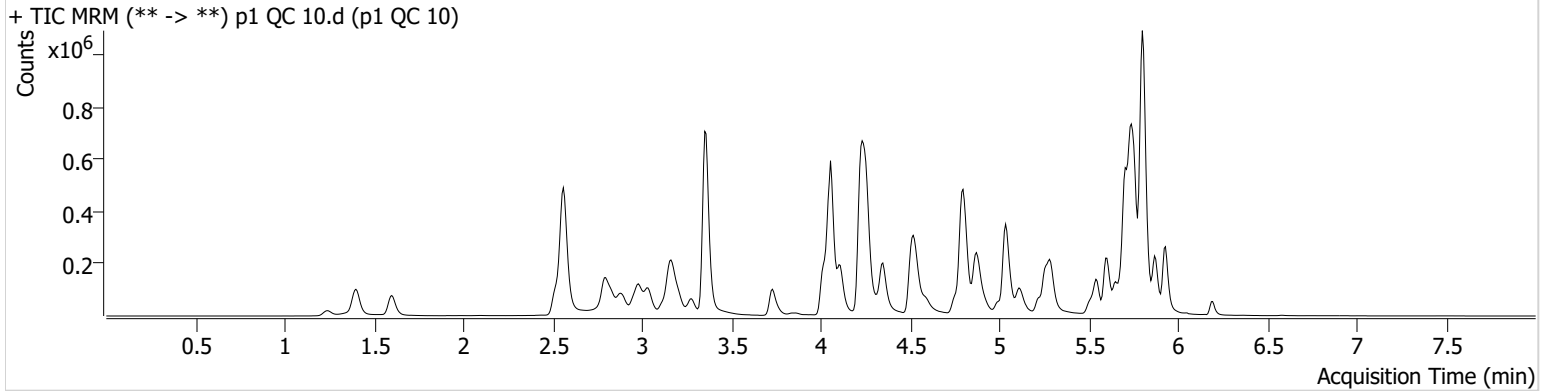
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Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	1/19/2023 11:54:43 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	2936	620.37	70.1	1416.10	78899	1.0617 ng/ml
7-aminoclonazepam	4.237	62356	2712.49	80.2	267.59	263793	10.3529 ng/ml
a-hydroxyalprazolam	5.682	36902	163.19	66.9	502.47	1208987	9.6179 ng/ml
alpha-PHP	4.921	16665	169.94	251.5	2424.67	338098	9.5578 ng/ml
alpha-PVP	4.357	89260	8567.66	52.6	1900.16	338098	9.8308 ng/ml
Alprazolam	5.759	123999	475.74	123.4	1273.30	533496	9.9667 ng/ml
Amphetamine	3.037	97853	299.17	49.5	290.92	160092	10.5693 ng/ml
Benzoylcegonine	3.864	5410	273.30	8.8	95.48	15468	10.3682 ng/ml
Buprenorphine	5.653	406	151.41	27.4 High	116.37	19451	0.3938 ng/ml
Bupropion	4.771	42239	6653.77	66.8	227.18	149733	9.3323 ng/ml
Carisoprodol	5.714	163731	513.30	64.1	336.51	651345	9.8602 ng/ml
Chlordiazepoxide	5.814	60450	2858.80	150.3	950.34	751346	6.8807 ng/ml
Chlorpheniramine	5.118	53771	460.31	0.2 Low	2.68	213995	11.2020 ng/ml
Citalopram	5.218	27272	95.00	37.9	122.13	104632	9.9762 ng/ml
Clonazepam	5.601	159981	379.14	34.3	269.03	201968	10.6511 ng/ml
Clonazolam	5.545	135346	6591.94	34.9	73401.97	201968	10.6215 ng/ml
Cocaine	4.257	84292	11333.27	52.6	12321.62	712769	10.1791 ng/ml
Codeine	2.573	15646	888.77	105.8	31690.34	78905	10.5201 ng/ml
Cyclobenzaprine	5.625	13855	131.85	7.6	68.41	53317	10.7115 ng/ml
Dextromethorphan	5.269	11405	28.45	85.2	16408.60	48595	10.0654 ng/ml
Dextrorphan	4.111	28018	1732.36	209.6	373.82	283630	10.2760 ng/ml
Diazepam	5.931	83322	203.58	87.7	139.80	368152	10.0452 ng/ml
Dihydrocodeine	2.545	41214	624.66	58.1	442.12	229161	10.5405 ng/ml
Diphenhydramine	5.290	66384	2677.27	32.8	387.98	306847	10.0725 ng/ml
DMT	2.838	13982	378.76	118.9	430.92	48595	11.2830 ng/ml
Doxylamine	4.531	188016	157.85	97.1	388.90	834617	10.1857 ng/ml
Duloxetine	5.644	1247	6.54			5441	12.4665 ng/ml
EDDP	5.262	58540	120.64	42.3	57147.85	277280	9.8478 ng/ml
Etizolam	5.797	66723	64342.03	25.0	18304.97	201968	10.0934 ng/ml
Fentanyl	5.074	1415	32.84	77.0	796.82	62380	1.1151 ng/ml
Flualprazolam	5.695	74897	2645.02	94.4	15946.40	533496	10.3034 ng/ml
Fluorofentanyl	5.128	2706	47.06	48.7	778.08	579	0.8337 ng/ml
Fluoxetine	5.704	16000	293.20	9.1	1011.86	48000	10.3974 ng/ml

ALH



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.013	57770	77.59	31.8	163.85	271957	10.2289 ng/ml
Hydromorphone	1.609	55159	767.98	72.9	3048.18	158293	10.6017 ng/ml
Hydroxyzine	5.687	22697	656.92	70.6	468.19	48595	10.4967 ng/ml
Ketamine	4.030	99226	8069.55	36.7	149.58	388528	10.3805 ng/ml
Lamotrigine	4.260	12482	205.85	78.7	863.78	1072208	9.6415 ng/ml
Lorazepam	5.730	111740	1776.47	49.1	77.96	696109	10.4590 ng/ml
MDA	3.184	97803	1139.92	33.6	87.24	301309	10.6701 ng/ml
MDMA	3.278	52011	754.60	103.2	544.81	56000	10.2385 ng/ml
Meprobamate	4.895	113486	261.75	27.7	101.39	517130	10.8272 ng/ml
Methadone	5.649	40039	470.42	45.2	71.01	146812	9.4844 ng/ml
Methamphetamine	3.212	87359	219.86	36.4	384.37	282359	11.2309 ng/ml
Metoprolol	4.320	20540	936.52	106.3	561.25	992495	10.0531 ng/ml
Mirtazapine	4.593	53143	669.03	50.4	422.98	338098	9.2041 ng/ml
Mitragynine	5.202	6348	529.08	39.9	505.67	146812	9.2695 ng/ml
Morphine	1.247	9073	7509.59	53.8	208.93	15684	10.4036 ng/ml
Norbuprenorphine	5.011	127	21.66	120.0 High	35.51	3598	1.9665 ng/ml
Nordiazepam	5.877	92145	795.26	59.5	201.78	265948	10.7235 ng/ml
Norfentanyl	4.071	16635	489.22	43.8	54.96	657915	0.9477 ng/ml
Norhydrocodone	3.060	9683	85.30	39.0	75.73	68436	9.8567 ng/ml
Noroxycodone	2.904	58391	963.03	44.6	244.47	192653	9.9991 ng/ml
O-desmethyl-tramadol	3.359	290505	1116.36	5.8	1807.66	1536402	9.9065 ng/ml
o-desmethylvenlafaxine	4.056	371341	8162.12	19.4	663.59	320065	9.9491 ng/ml
Olanzapine	4.393	4273	45.13	54.1	28.73	9581	10.8221 ng/ml
Oxazepam	5.740	166990	262.40	71.3	2629.80	696109	10.3737 ng/ml
Oxycodone	2.822	122462	932.16	26.3	969.84	459978	9.8323 ng/ml
Oxymorphone	1.405	76218	∞	42.0	261.88	255902	9.7800 ng/ml
Phentermine	3.767	25519	65.12	6.7	36.88	266821	10.5663 ng/ml
Promethazine	5.535	21779	230.24	29.5	27.92	91009	10.3719 ng/ml
Pseudoephedrine	2.569	225704	1207.89	18.9	2083.42	1072208	9.7336 ng/ml
Quetiapine	5.510	49912	129.42	57.4	3799.99	66015	10.6059 ng/ml
Sertraline	5.766	5381	161.73	119.7	76.66	21800	10.2079 ng/ml
Temazepam	5.800	272969	8812.55	26.4	205.37	1208987	10.4243 ng/ml
Tramadol	4.239	197641	489.78	3.5	43.45	992495	10.0229 ng/ml
Trazodone	5.032	35770	426.52	63.4	585.18	111715	10.9150 ng/ml
Venlafaxine	5.036	134231	10731.06	35.1	1248.79	653639	9.7229 ng/ml
Zolpidem	4.809	290131	1178.33	27.8	1102.60	1105350	10.0420 ng/ml

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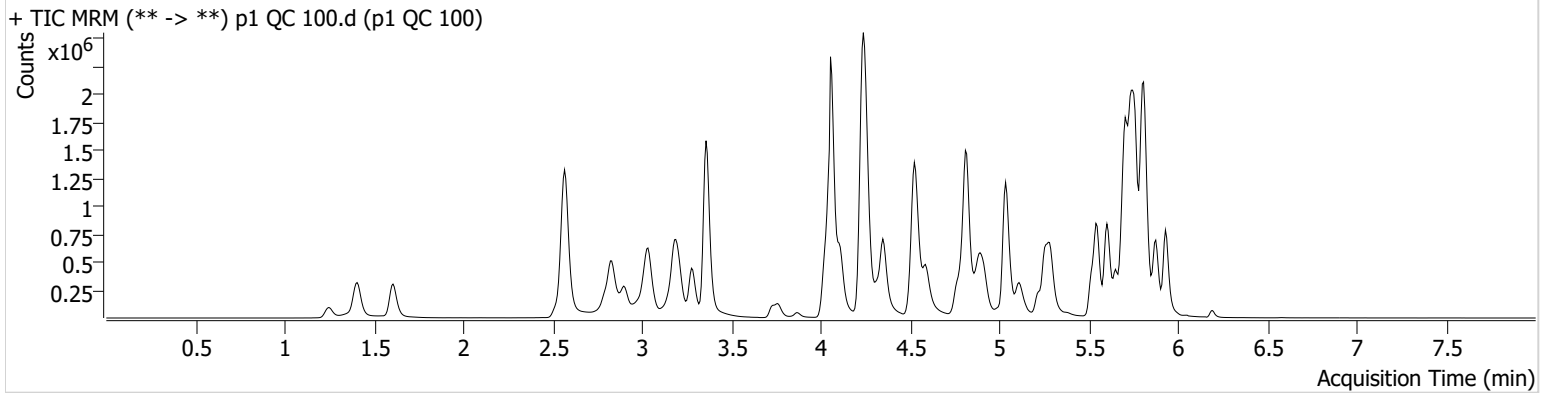


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	1/20/2023 8:56:51 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	26848	13247.19	69.9	486.57	75171	10.0263 ng/ml
7-aminoclonazepam	4.237	501241	9311.65	81.5	1070.81	226033	102.0519 ng/ml
a-hydroxyalprazolam	5.682	248807	756.64	67.2	263.61	805791	98.2963 ng/ml
alpha-PHP	4.921	167219	748.99	248.8	1818.51	326158	92.9912 ng/ml
alpha-PVP	4.357	846442	633.73	52.0	764.57	326158	95.8136 ng/ml
Alprazolam	5.759	1022969	∞	118.0	1419.37	424644	100.2926 ng/ml
Amphetamine	3.037	914427	958.42	49.1	3713.55	162928	104.9328 ng/ml
Benzoylecgonine	3.871	46258	158.64	9.2	266.94	13582	105.5481 ng/ml
Buprenorphine	5.659	4919	986.28	17.8	1033.84	18583	10.9079 ng/ml
Bupropion	4.765	417770	30612.13	66.1	1372.01	149229	94.9060 ng/ml
Carisoprodol	5.714	1178722	138767.09	61.8	5387.24	465240	94.7524 ng/ml
Chlordiazepoxide	5.821	398130	11617.76	164.2	7030.01	536515	105.2798 ng/ml
Chlorpheniramine	5.111	522578	4339.94	0.3	43.51	222585	99.7144 ng/ml
Citalopram	5.218	271654	3322.48	38.4	483.35	100868	103.1903 ng/ml
Clonazepam	5.601	1191723	3149.34	34.7	74928.16	160380	106.0853 ng/ml
Clonazolam	5.545	1071598	740895.38	35.9	391351.24	160380	107.6243 ng/ml
Cocaine	4.257	777810	31715.90	53.4	521.57	680814	98.4571 ng/ml
Codeine	2.573	132551	226.68	103.9	∞	69648	111.5346 ng/ml
Cyclobenzaprine	5.618	127862	221080.21	7.0	76.79	48852	98.3028 ng/ml
Dextromethorphan	5.262	108540	43504.75	81.6	118.69	48304	101.3864 ng/ml
Dextrorphan	4.111	280977	48247.42	210.7	895.38	283520	101.6450 ng/ml
Diazepam	5.931	670408	14262.89	89.7	10040.03	300687	102.2269 ng/ml
Dihydrocodeine	2.552	353685	313.36	60.3	954.01	213452	104.6033 ng/ml
Diphenhydramine	5.290	641497	30685.63	31.8	761.99	304693	99.0484 ng/ml
DMT	2.838	136929	661.49	121.0	498.12	48304	122.9003 ng/ml
Doxylamine	4.525	2021115	5378.24	97.0	3365.66	911205	99.1561 ng/ml
Duloxetine	5.644	10341	192.80	14.7	102.44	5231	93.2973 ng/ml
EDDP	5.255	673831	24502.53	43.1	349.19	322075	97.3854 ng/ml
Etizolam	5.797	509001	4394.40	26.4	218471.14	160380	92.7449 ng/ml
Fentanyl	5.074	12846	415.76	71.8	149.53	56708	10.0562 ng/ml
Flualprazolam	5.695	597766	14935.03	95.8	40815.12	424644	108.5434 ng/ml
Fluorofentanyl	5.128	26569	586.31	43.5	1205.08	498	10.1988 ng/ml
Fluoxetine	5.704	121337	953.86	8.3	28627.12	41084	89.9932 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.013	510613	1329.83	34.5	826.83	259820	103.5950 ng/ml
Hydromorphone	1.609	481510	4487733.91	72.6	5511.38	140171	102.0808 ng/ml
Hydroxyzine	5.687	205943	11413.66	72.7	6487.73	48304	103.1855 ng/ml
Ketamine	4.030	864759	1107.65	37.2	946.86	347662	106.0508 ng/ml
Lamotrigine	4.260	102898	578.44	79.9	1933.43	951240	102.2876 ng/ml
Lorazepam	5.730	589873	2195.44	51.8	407.00	444401	98.7255 ng/ml
MDA	3.184	929827	7212.81	34.5	2380.95	306379	107.7075 ng/ml
MDMA	3.278	531993	3227.00	105.5	1606.68	57324	103.2964 ng/ml
Meprobamate	4.895	884690	21632.99	27.5	1287.59	451635	104.3538 ng/ml
Methadone	5.649	389685	899.50	44.7	2294.25	144152	96.9583 ng/ml
Methamphetamine	3.212	597832	760.17	36.6	83588.75	271508	101.1042 ng/ml
Metoprolol	4.320	202536	1680.50	103.8	2061.14	988600	101.3357 ng/ml
Mirtazapine	4.593	570134	1320.65	49.3	2802.14	326158	97.9227 ng/ml
Mitragynine	5.202	58810	240.15	38.9	289.42	144152	89.5847 ng/ml
Morphine	1.247	79806	1505.87	54.2	803.04	14118	104.1708 ng/ml
Norbuprenorphine	4.990	805	774.37	103.4	55.46	3589	9.7247 ng/ml
Nordiazepam	5.877	712615	800.13	59.5	501.04	212155	108.6765 ng/ml
Norfentanyl	4.071	172834	553.40	37.5	350.98	647742	9.3976 ng/ml
Norhydrocodone	3.060	84843	254.85	40.0	70.57	56050	96.1308 ng/ml
Noroxycodone	2.904	498848	2171.13	43.8	1159.95	168230	100.9709 ng/ml
O-desmethyl-tramadol	3.359	2600783	2111.95	5.7	951.25	1349120	98.3185 ng/ml
o-desmethylvenlafaxine	4.056	3392745	137629.60	19.1	5821.51	283184	96.9147 ng/ml
Olanzapine	4.386	44220	9260.79	50.2	99.77	9626	103.7185 ng/ml
Oxazepam	5.740	1000794	208.73	73.6	∞	444401	102.5949 ng/ml
Oxycodone	2.822	1081789	3609.64	27.2	3931.10	418517	103.4373 ng/ml
Oxymorphone	1.405	654070	1467.42	42.2	∞	212436	104.7397 ng/ml
Phentermine	3.767	253060	1624.81	6.9	34.45	274454	110.2628 ng/ml
Promethazine	5.535	207073	485.78	31.9	2115.40	85044	102.0511 ng/ml
Pseudoephedrine	2.576	2062820	827.70	18.3	101694.83	951240	95.9890 ng/ml
Quetiapine	5.510	529030	1384973.40	58.9	8010.98	72082	108.3591 ng/ml
Sertraline	5.766	44515	489.58	103.0	310.55	20005	94.3174 ng/ml
Temazepam	5.800	1791056	2326.21	26.4	1947.95	805791	109.2819 ng/ml
Tramadol	4.232	1862696	∞	3.5	339.95	988600	98.5275 ng/ml
Trazodone	5.032	364486	326893.73	67.3	134763.94	127644	105.9770 ng/ml
Venlafaxine	5.036	1375767	876.84	36.9	539.99	680786	93.6070 ng/ml
Zolpidem	4.816	2643354	3953.79	27.8	3002.91	1000824	104.2274 ng/ml

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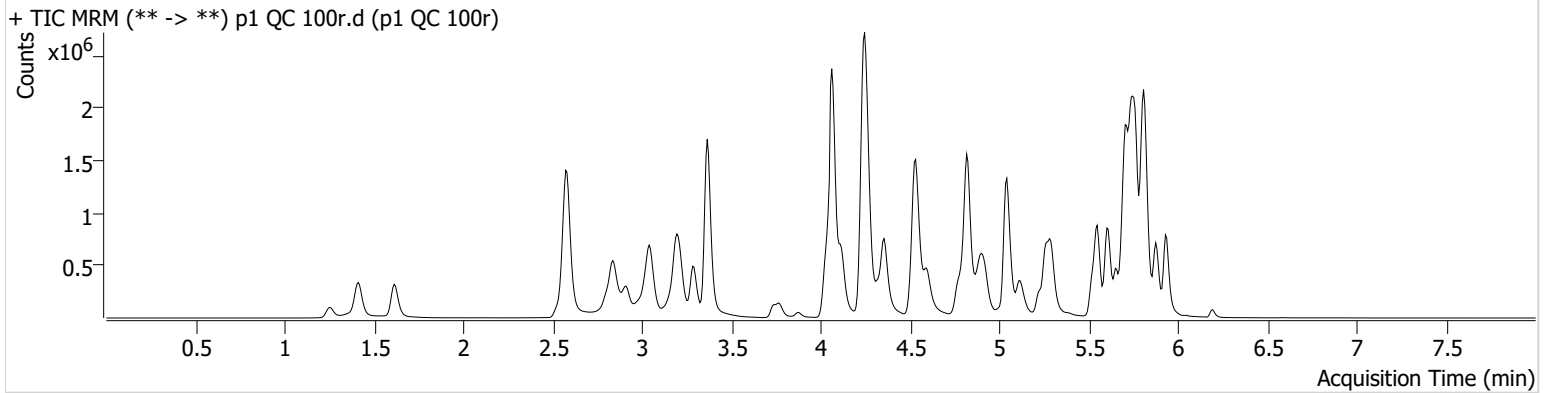


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 QC 100r.d
Type	QC	Sample	p1 QC 100r
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-B2	Comment	Rerun to bracket reinjects
Injection Volume	2		
Acq. Date-Time	1/20/2023 6:16:00 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.133	27811	25007.14	72.9	322.54	79880	9.7744 ng/ml
7-aminoclonazepam	4.244	526680	832.69	81.2	501.84	236730	102.3877 ng/ml
a-hydroxyalprazolam	5.682	261797	398.09	65.6	731.53	823904	101.1578 ng/ml
alpha-PHP	4.921	184876	8629.46	255.5	3462.34	356053	94.1693 ng/ml
alpha-PVP	4.357	923349	18004.88	52.4	5280.00	356053	95.7434 ng/ml
Alprazolam	5.759	1068404	1010.49	117.3	∞	446339	99.6578 ng/ml
Amphetamine	3.043	1027394	877.27	49.9	749.64	181122	106.0634 ng/ml
Benzoylecgonine	3.871	51838	723.79	8.7	64.50	13884	115.7571 ng/ml
Buprenorphine	5.666	4880	91.90	22.1 High	4461.31	20830	9.5968 ng/ml
Bupropion	4.771	463799	15728.02	65.5	530.65	161504	97.3610 ng/ml
Carisoprodol	5.714	1226445	740.56	63.2	3830.05	477985	95.9534 ng/ml
Chlordiazepoxide	5.821	409901	6071.80	162.1	3594.83	557952	104.1770 ng/ml
Chlorpheniramine	5.118	593548	1713.64	0.3	41.51	251752	100.1324 ng/ml
Citalopram	5.225	291201	529.49	40.3	729.87	114627	97.3368 ng/ml
Clonazepam	5.601	1228662	3033.44	34.4	16772.16	159100	110.2823 ng/ml
Clonazolam	5.545	1101956	138288.91	35.3	712998.10	159100	111.5706 ng/ml
Cocaine	4.257	838499	1373.56	53.7	594401.79	724680	99.7148 ng/ml
Codeine	2.580	138497	3312.96	103.0	13945.22	72696	111.6526 ng/ml
Cyclobenzaprine	5.625	140556	285.38	6.8	30.79	55254	95.5716 ng/ml
Dextromethorphan	5.269	122445	55.91	84.4	16071.02	55262	99.9664 ng/ml
Dextrorphan	4.118	301718	872.51	210.6	1110.61	301168	102.7503 ng/ml
Diazepam	5.938	675943	6062.38	90.3	723.32	311127	99.6029 ng/ml
Dihydrocodeine	2.558	383018	30177.49	59.9	10263.47	226304	106.8648 ng/ml
Diphenhydramine	5.297	728426	260.66	32.4	195.94	351181	97.5801 ng/ml
DMT	2.852	149082	950.87	121.8	12080.91	55262	116.8973 ng/ml
Doxylamine	4.531	2169257	1336.35	97.9	1443.79	974784	99.4821 ng/ml
Duloxetine	5.651	11044	334.91	16.0	47.86	5784	90.1606 ng/ml
EDDP	5.262	737384	13076.80	41.2	151514.39	336674	101.9484 ng/ml
Etizolam	5.797	524659	10633.76	25.2	187852.91	159100	96.3478 ng/ml
Fentanyl	5.081	14017	809.80	72.8	15744.88	68284	9.1245 ng/ml
Flualprazolam	5.695	611514	8140.09	95.5	30989.68	446339	105.6271 ng/ml
Fluorofentanyl	5.135	29255	197.46	47.2	11632.66	632	8.8364 ng/ml
Fluoxetine	5.704	129896	194.51	8.0	2665.41	42382	93.3800 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.019	533284	∞	35.5	107.70	273198	102.8891 ng/ml
Hydromorphone	1.615	501658	4735722.92	72.5	5537.21	145955	102.1372 ng/ml
Hydroxyzine	5.687	234240	14524.51	70.3	13860.90	55262	102.5819 ng/ml
Ketamine	4.036	905000	917.95	37.5	1315.52	368872	104.5966 ng/ml
Lamotrigine	4.267	105400	3920.63	79.3	1835.78	1023433	97.3104 ng/ml
Lorazepam	5.737	601740	2088.96	53.1	2023.17	457672	97.7756 ng/ml
MDA	3.191	1027088	12004.70	34.5	932.63	335593	108.6248 ng/ml
MDMA	3.292	589398	5956.68	104.9	6044.57	65725	99.8104 ng/ml
Meprobamate	4.901	900361	15342.33	28.1	∞	466687	102.7621 ng/ml
Methadone	5.656	427305	843.33	46.2	784.79	160773	95.3216 ng/ml
Methamphetamine	3.219	673234	1168.13	36.9	2109.13	304872	101.4060 ng/ml
Metoprolol	4.320	224663	5706.05	105.3	2755.03	1055146	105.3256 ng/ml
Mirtazapine	4.593	561257	2652.51	49.7	8910.19	356053	88.3473 ng/ml
Mitragynine	5.209	66612	115107.83	36.4	45153.39	160773	90.9831 ng/ml
Morphine	1.253	83380	901.43	54.6	871.66	14905	103.0840 ng/ml
Norbuprenorphine	4.997	1039	360.78	93.2	247.82	4107	10.9043 ng/ml
Nordiazepam	5.877	723359	24715.08	59.6	1758.22	217385	107.6559 ng/ml
Norfentanyl	4.078	186285	23604.75	37.8	12821.87	686313	9.5586 ng/ml
Norhydrocodone	3.067	91506	∞	40.3	165.95	59283	98.0080 ng/ml
Noroxycodone	2.911	532972	688.10	44.2	4566.42	181104	100.2071 ng/ml
O-desmethyl-tramadol	3.366	2788800	4022.01	5.7	14268.43	1428937	99.5337 ng/ml
o-desmethylvenlafaxine	4.063	3740375	59717.82	18.5	6194.81	299268	101.0759 ng/ml
Olanzapine	4.386	51036	395.39	52.0	235.06	11073	104.0600 ng/ml
Oxazepam	5.740	1039660	16410.23	76.0	396.63	457672	103.4942 ng/ml
Oxycodone	2.828	1170314	5189.03	26.9	1152.29	451012	103.8427 ng/ml
Oxymorphone	1.411	661072	∞	43.9	∞	229381	98.0159 ng/ml
Phentermine	3.774	277517	304.56	7.0	124.56	309171	107.3154 ng/ml
Promethazine	5.541	229876	1540.53	31.8	218.58	93658	102.8668 ng/ml
Pseudoephedrine	2.583	2245359	15438.78	18.2	50393.48	1023433	97.1074 ng/ml
Quetiapine	5.516	512087	13965.75	58.4	296.98	72076	104.8774 ng/ml
Sertraline	5.773	46159	183.65	105.2	479.34	20740	94.3388 ng/ml
Temazepam	5.807	1814617	981.41	26.5	632.92	823904	108.2785 ng/ml
Tramadol	4.239	2098220	225.06	3.5	∞	1055146	104.0101 ng/ml
Trazodone	5.039	363719	1379.59	66.2	1136832.91	127059	106.2433 ng/ml
Venlafaxine	5.042	1564736	61325.67	36.7	779.04	769562	94.1814 ng/ml
Zolpidem	4.823	2724575	5883.38	27.4	5682.82	1038521	103.5280 ng/ml

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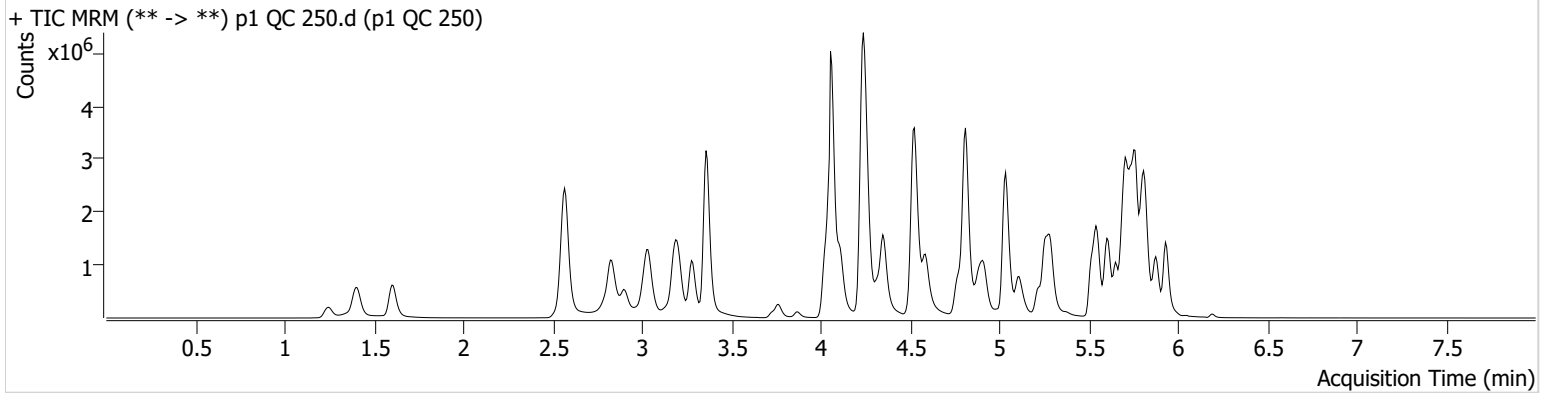


AM #28 Multi-Drug Quant. Results

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Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	1/20/2023 12:15:56 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	69675	246901.56	69.0	110091.97	73285	26.6582 ng/ml
7-aminoclonazepam	4.238	1020970	28735.96	79.8	17264.75	209147	225.3572 ng/ml
a-hydroxyalprazolam	5.682	392345	529.81	64.0	515.02	480926	259.8891 ng/ml
alpha-PHP	4.921	426730	3847.81	249.3	5394.23	315566	244.1518 ng/ml
alpha-PVP	4.350	2110559	63737.68	51.8	31246.69	315566	246.7774 ng/ml
Alprazolam	5.759	2238957	4954.18	116.4	∞	356372	261.0455 ng/ml
Amphetamine	3.037	2088232	932.55	46.9	11783.53	156105	251.4361 ng/ml
Benzoylecgonine	3.871	121140	1459.71	8.0	76.58	14551	258.7756 ng/ml
Buprenorphine	5.653	12136	3885.58	15.6	2771.73	19900	25.7912 ng/ml
Bupropion	4.765	1005639	1051.96	65.7	636.35	142788	239.1496 ng/ml
Carisoprodol	5.714	2120008	372.42	61.6	361.12	316441	249.7154 ng/ml
Chlordiazepoxide	5.821	614402	7131.33	182.3	7362.27	379396	235.7654 ng/ml
Chlorpheniramine	5.111	1590913	5363.23	0.3	320.75	262715	256.2585 ng/ml
Citalopram	5.218	760270	257.18	39.3	580.31	112931	257.9654 ng/ml
Clonazepam	5.601	2297634	39074.09	34.0	26464.19	127007	259.3313 ng/ml
Clonazolam	5.545	2127694	166320.88	36.4	1103773.21	127007	270.1313 ng/ml
Cocaine	4.257	1870065	62756.21	53.2	1321.04	636628	253.1690 ng/ml
Codeine	2.573	271846	154.94	102.1	548.27	62672	255.7750 ng/ml
Cyclobenzaprine	5.618	397769	91590.95	7.0	138.02	58767	252.5421 ng/ml
Dextromethorphan	5.262	307253	3203.28	80.7	311.48	53267	261.1796 ng/ml
Dextrorphan	4.111	666434	39681.67	215.1	41140.32	270853	252.1226 ng/ml
Diazepam	5.931	1445611	20099.69	90.1	7402.17	258872	256.5951 ng/ml
Dihydrocodeine	2.545	819319	1244.93	60.8	174.20	214662	242.1383 ng/ml
Diphenhydramine	5.290	1779474	29042.11	32.1	990.35	331413	252.7841 ng/ml
DMT	2.838	319684	6768.66	126.8	50523.52	53267	261.6800 ng/ml
Doxylamine	4.525	5493302	96403.34	94.6	1866.00	925939	264.9985 ng/ml
Duloxetine	5.644	30956	796.76	15.3	74.41	6084	237.1630 ng/ml
EDDP	5.255	1849838	17455.38	42.6	465.12	341982	251.7490 ng/ml
Etizolam	5.797	1128663	10249.48	25.4	474639.03	127007	258.8085 ng/ml
Fentanyl	5.074	36939	28.03	73.2	51403.82	69739	23.3542 ng/ml
Flualprazolam	5.695	1169701	8713.36	99.7	13144.77	356372	253.8585 ng/ml
Fluorofentanyl	5.128	80391	324.34	41.7	5345.28	642	24.0114 ng/ml
Fluoxetine	5.704	294036	8375.62	7.7	26313.65	36297	246.3715 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.006	1175227	6667.46	34.7	214.60	251029	248.2844 ng/ml
Hydromorphone	1.609	1131271	8595163.47	73.1	5312989.32	130066	258.0439 ng/ml
Hydroxyzine	5.687	570600	7608.04	77.3	11866.56	53267	260.6282 ng/ml
Ketamine	4.030	2095040	87684.57	37.1	2200.89	345185	259.5877 ng/ml
Lamotrigine	4.260	222938	8402.92	79.8	18704.44	810167	262.5678 ng/ml
Lorazepam	5.730	756058	15597.36	51.9	413.01	262379	216.2967 ng/ml
MDA	3.184	2066898	9116.38	33.7	1201.07	278462	264.7996 ng/ml
MDMA	3.278	1361204	173552.46	105.4	5441.79	59213	256.0328 ng/ml
Meprobamate	4.895	1658951	1450.05	28.1	695.88	395643	224.4843 ng/ml
Methadone	5.649	1126132	22717.34	45.0	988.77	161149	251.1654 ng/ml
Methamphetamine	3.212	1435342	1727.68	37.1	1083.00	265110	253.6506 ng/ml
Metoprolol	4.320	495493	128969.71	104.1	3124.64	897676	273.3688 ng/ml
Mirtazapine	4.586	1572379	2319.85	49.8	35157.18	315566	278.3155 ng/ml
Mitragynine	5.202	179407	158125.00	37.5	591.64	161149	244.8994 ng/ml
Morphine	1.247	191001	1505.87	55.1	886.38	13558	260.0331 ng/ml
Norbuprenorphine	4.984	2221	2907.31	96.1	17.30	3985	23.3999 ng/ml
Nordiazepam	5.877	1375944	∞	58.6	1432.24	168376	265.1739 ng/ml
Norfentanyl	4.078	411291	14808.43	37.8	2805.08	572689	25.1873 ng/ml
Norhydrocodone	3.060	177780	166.19	40.9	116.45	44733	250.8364 ng/ml
Noroxycodone	2.904	1021559	1819.83	44.6	3789.40	139536	249.8184 ng/ml
O-desmethyl-tramadol	3.359	6527252	4890.31	5.6	13883.30	1303054	255.0095 ng/ml
o-desmethylvenlafaxine	4.056	8315341	346414.27	18.5	14903.61	262825	254.9051 ng/ml
Olanzapine	4.373	144922	347.46	56.3	332.79	13738	237.0985 ng/ml
Oxazepam	5.740	1417684	185.39	71.6	193.18	262379	247.0235 ng/ml
Oxycodone	2.822	2577652	4910.34	26.8	1497.91	418642	247.6592 ng/ml
Oxymorphone	1.398	1422390	∞	42.0	2549.51	189711	255.6190 ng/ml
Phentermine	3.767	601530	1284.60	6.7	257.37	268654	269.1429 ng/ml
Promethazine	5.535	639991	10843.25	31.8	353.13	102641	260.7387 ng/ml
Pseudoephedrine	2.569	4691290	43475.72	17.9	106719.74	810167	255.5419 ng/ml
Quetiapine	5.510	1489247	108430.77	60.4	115373.78	80927	272.6336 ng/ml
Sertraline	5.766	105321	5521.10	104.2	10042.97	18416	242.8559 ng/ml
Temazepam	5.800	2522673	12597.95	26.8	9764.14	480926	258.9196 ng/ml
Tramadol	4.232	4519632	∞	3.6	1015.60	897676	264.0107 ng/ml
Trazodone	5.025	1022311	103898.19	69.0	33305.83	153091	249.2961 ng/ml
Venlafaxine	5.036	3616365	279989.22	35.7	1691.02	686562	243.6105 ng/ml
Zolpidem	4.809	6985523	3499.35	26.6	4840.71	1045627	264.1737 ng/ml

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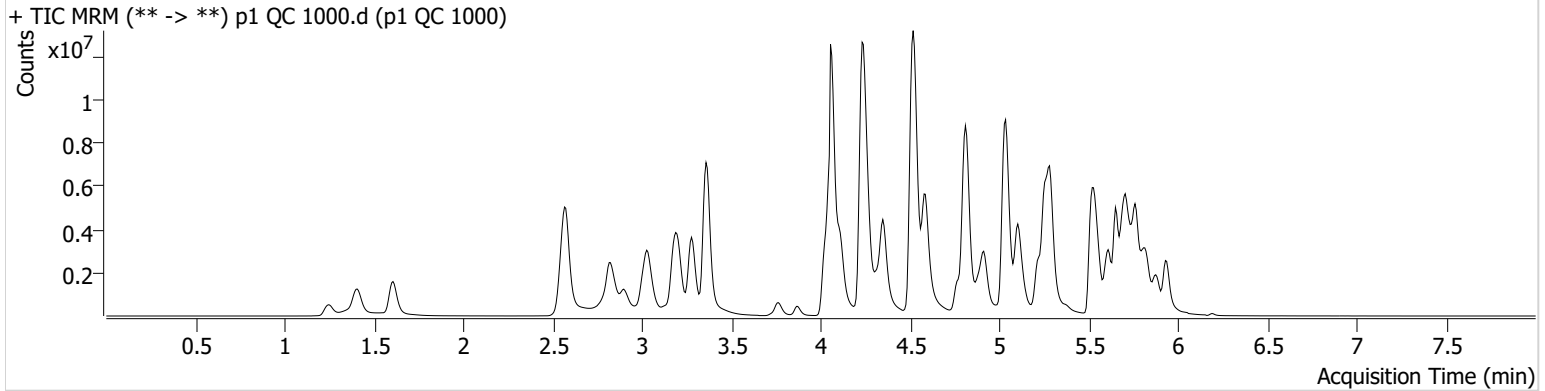


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	1/20/2023 12:37:12 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	239883	4191.24	69.8	11016.73	65558	102.5437 ng/ml
7-aminoclonazepam	4.237	1437090	18596.49	80.4	6162.68	125541	529.2461 ng/ml
a-hydroxyalprazolam	5.675	483879	213.85	67.7	223.32	153163	1006.7387 ng/ml
alpha-PHP	4.915	1609758	9984.49	253.5	1971.27	220722	1313.7745 ng/ml
alpha-PVP	4.350	6000901	114869.77	51.4	215480.46	220722	1002.8709 ng/ml
Alprazolam	5.759	4478614	166.05	109.2	7856.56	172622	1077.0011 ng/ml
Amphetamine	3.037	4878655	105736.18	47.0	1577.09	127786	719.3876 ng/ml
Benzoylecgonine	3.871	489418	6791.97	8.3	1492.81	13804	1103.7298 ng/ml
Buprenorphine	5.653	51614	1651.56	15.2	6256.15	23241	95.2672 ng/ml
Bupropion	4.765	2091339	1951.36	65.3	1079.55	78589	904.3196 ng/ml
Carisoprodol	5.714	3378029	335.76	62.3	337.27	117687	1068.2068 ng/ml
Chlordiazepoxide	5.821	929242	18678.38	204.5	2459.23	142661	963.6668 ng/ml
Chlorpheniramine	5.104	10065217	185401.63	0.3	862.49	403581	1053.5299 ng/ml
Citalopram	5.218	3686609	33636.47	38.5	1504.41	131390	1075.1933 ng/ml
Clonazepam	5.601	4018209	72173.32	33.6	15779.22	64449	895.5480 ng/ml
Clonazolam	5.552	3675554	33490.13	36.6	1644333.90	64449	920.0563 ng/ml
Cocaine	4.257	5597091	1181.60	52.7	1782.28	469563	1027.3682 ng/ml
Codeine	2.573	588217	142.85	99.9	448.97	39136	889.3064 ng/ml
Cyclobenzaprine	5.618	2135744	1088.61	6.8	221.04	77639	1023.1432 ng/ml
Dextromethorphan	5.262	1361610	16669.08	78.4	465.14	54386	1135.5754 ng/ml
Dextrorphan	4.111	2266549	19948.77	214.3	201496.36	218121	1064.2528 ng/ml
Diazepam	5.938	3193842	21236.82	87.9	465.52	154540	950.6300 ng/ml
Dihydrocodeine	2.538	2195856	429.32	60.5	242.25	189110	738.5027 ng/ml
Diphenhydramine	5.290	9294637	234260.75	31.4	1705.56	405820	1078.6529 ng/ml
DMT	2.838	991243	62338.82	140.0	1577.56	54386	797.3968 ng/ml
Doxylamine	4.518	21564744	315632.09	96.1	134196.38	969802	992.8868 ng/ml
Duloxetine	5.644	130254	5439.11	15.2	17329.53	6546	922.0034 ng/ml
EDDP	5.255	8818428	2618.25	41.3	321722.93	379718	1080.7801 ng/ml
Etizolam	5.797	2415241	15265.87	25.4	12204.02	64449	1089.8198 ng/ml
Fentanyl	5.074	220255	417.11	69.2	327651.56	90283	107.1346 ng/ml
Flualprazolam	5.695	1895057	15159.08	103.3	1456210.91	172622	850.4334 ng/ml
Fluorofentanyl	5.128	445229	1210.81	42.0	188010.89	679	126.0646 ng/ml
Fluoxetine	5.711	927101	75238.45	7.9	∞	27177	1036.6139 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.006	3594041	727.11	35.8	∞	214374	891.9295 ng/ml
Hydromorphone	1.609	3268298	13214193.40	72.9	4758448.91	92764	1044.4462 ng/ml
Hydroxyzine	5.687	2763522	192844.70	76.5	1993.41	54386	1239.6935 ng/ml
Ketamine	4.023	5958198	∞	35.2	12114.13	269322	947.7066 ng/ml
Lamotrigine	4.267	415916	563.85	82.2	2181.01	499973	796.8611 ng/ml
Lorazepam	5.730	881829	2638.48	51.0	978.30	68500	972.1454 ng/ml
MDA	3.178	5655266	82544.11	33.2	15799.06	233839	864.9292 ng/ml
MDMA	3.278	4863974	471629.68	105.7	15341.19	54898	987.1000 ng/ml
Meprobamate	4.888	3243306	110301.20	26.9	17038.04	268721	647.9906 ng/ml
Methadone	5.649	6566590	16870.52	43.3	73707.73	223008	1059.3877 ng/ml
Methamphetamine	3.205	4140063	30393.64	35.9	63804.02	209032	937.1030 ng/ml
Metoprolol	4.320	1452398	129969.54	105.2	72037.68	748062	962.0790 ng/ml
Mirtazapine	4.586	8864039	186089.80	47.7	4699.96	220722	2240.0436 ng/ml
Mitragynine	5.202	913513	1209.67	37.3	5472.22	223008	901.7755 ng/ml
Morphine	1.247	538383	∞	55.0	∞	10039	990.6877 ng/ml
Norbuprenorphine	4.984	10475	9389.86	101.2	18503.42	4915	88.0024 ng/ml
Nordiazepam	5.877	2405542	31259.78	59.4	10538.44	82503	947.5238 ng/ml
Norfentanyl	4.078	1186066	37585.58	38.2	8051.96	330972	125.4287 ng/ml
Norhydrocodone	3.054	592722	158.10	41.2	∞	32321	1153.9583 ng/ml
Noroxycodone	2.897	2314574	6879.99	43.6	398.05	80088	987.2307 ng/ml
O-desmethyl-tramadol	3.359	18746968	323611.84	5.7	2154.07	911900	1045.6741 ng/ml
o-desmethylvenlafaxine	4.056	23493479	657004.95	18.4	30647.31	173974	1085.9593 ng/ml
Olanzapine	4.352	1053003	7520.52	56.0	1768.03	22196	1063.4196 ng/ml
Oxazepam	5.740	1391214	79.94	74.1	61.23	68500	930.2275 ng/ml
Oxycodone	2.815	6844788	∞	26.6	∞	342996	804.7346 ng/ml
Oxymorphone	1.405	3881866	∞	42.0	311.47	137204	965.6675 ng/ml
Phentermine	3.767	1699270	1684.39	6.6	1952.23	232341	881.3384 ng/ml
Promethazine	5.535	3573611	76799.31	30.7	2190.84	132828	1123.7911 ng/ml
Pseudoephedrine	2.576	12346626	144743.80	17.4	130343.77	499973	1088.2950 ng/ml
Quetiapine	5.510	7478039	4821420.11	60.7	146832.64	113969	973.6911 ng/ml
Sertraline	5.773	324633	321.44	107.0	8271.55	14671	940.4697 ng/ml
Temazepam	5.800	2636496	14320.11	27.2	149.70	153163	851.3971 ng/ml
Tramadol	4.232	13886958	∞	3.4	626.04	748062	974.6090 ng/ml
Trazodone	5.025	4880685	483775.35	74.0	821.40	275602	662.9220 ng/ml
Venlafaxine	5.036	13669370	400354.63	33.9	1256.90	604268	1045.4481 ng/ml
Zolpidem	4.809	20218177	3768.26	28.0	3676.15	896905	892.2139 ng/ml

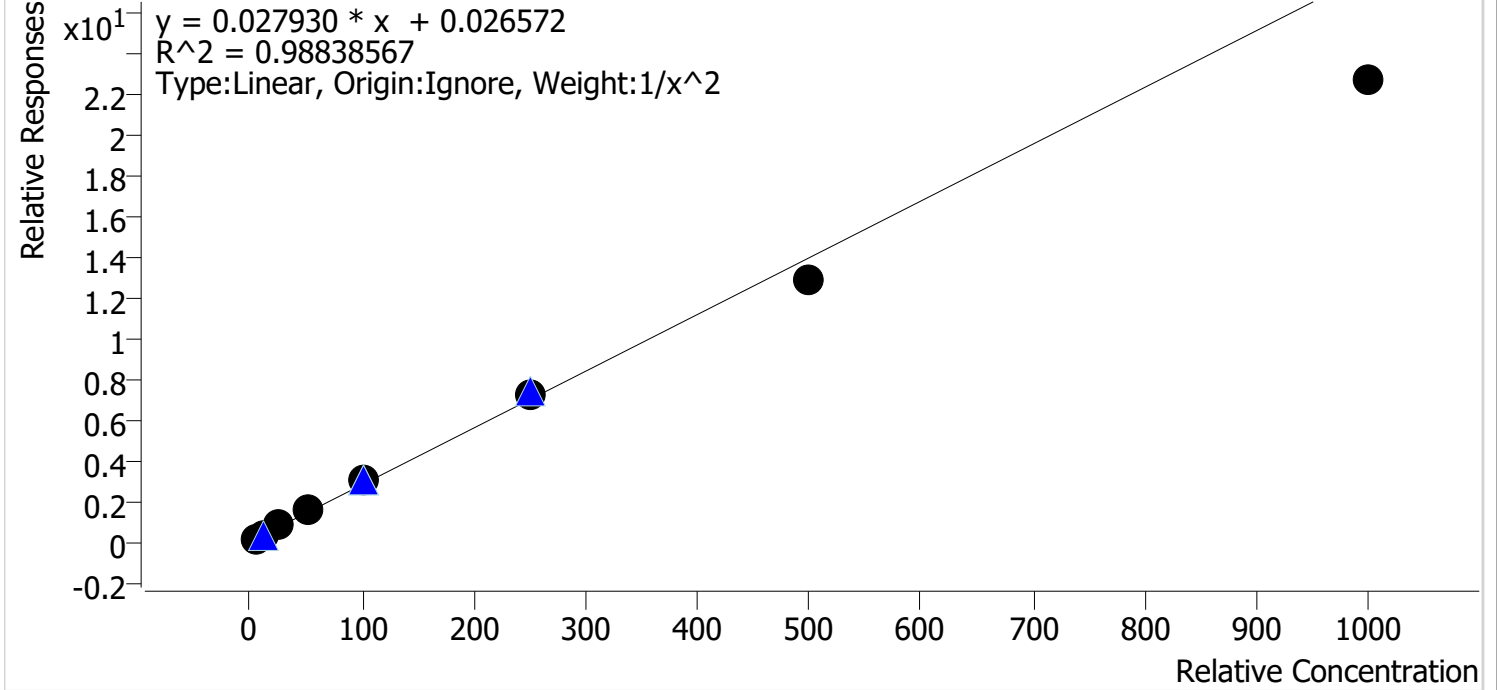
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte MDA **Internal Standard** MDA-D5

MDA - 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	96.0
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ngr	5	✓	100.0	108.1	108.1
p1 Cal 6-250ng	6	✓	250.0	259.3	103.7
p1 Cal 7-500ng	7	✓	500.0	462.9	92.6
p1 Cal 8-1000ng	8	✓	1000.0	814.5	81.5

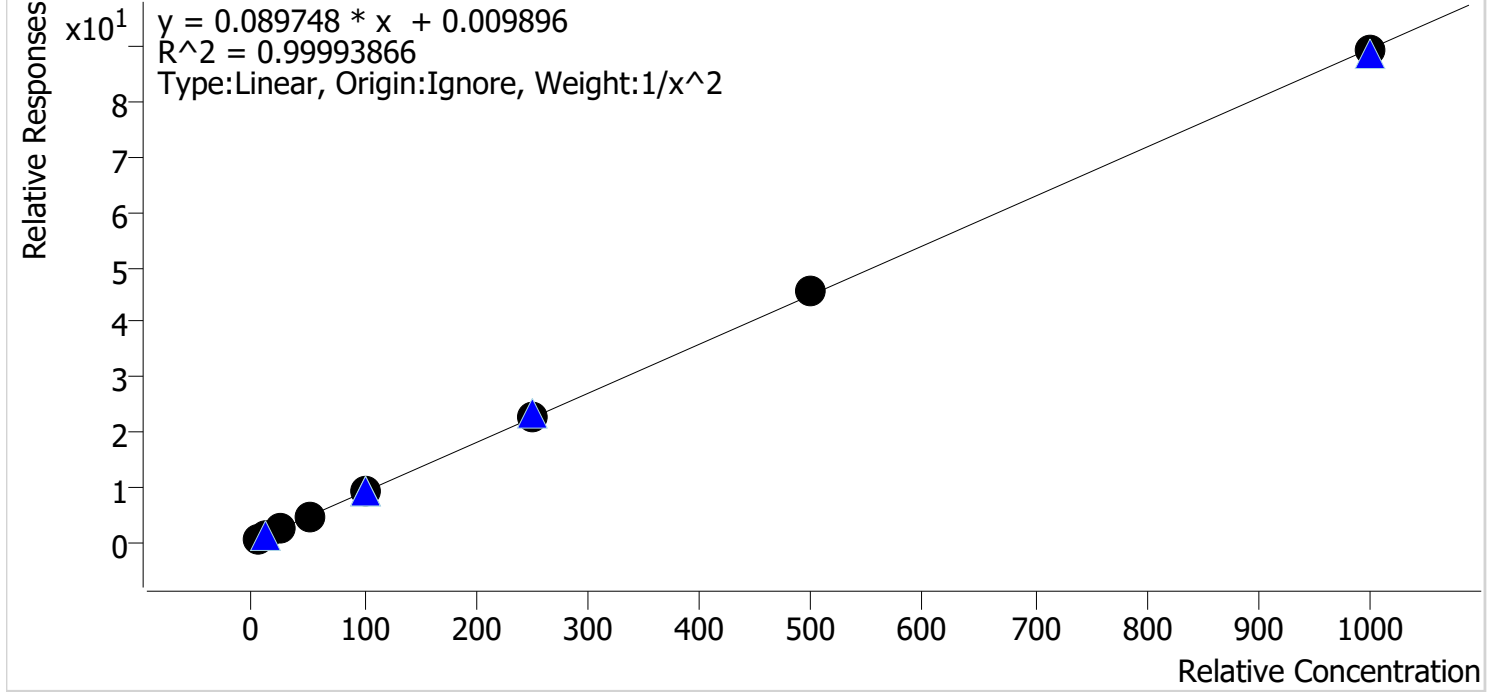
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
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	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ngr	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	507.2	101.4
p1 Cal 8-1000ng	8	✓	1000.0	996.1	99.6

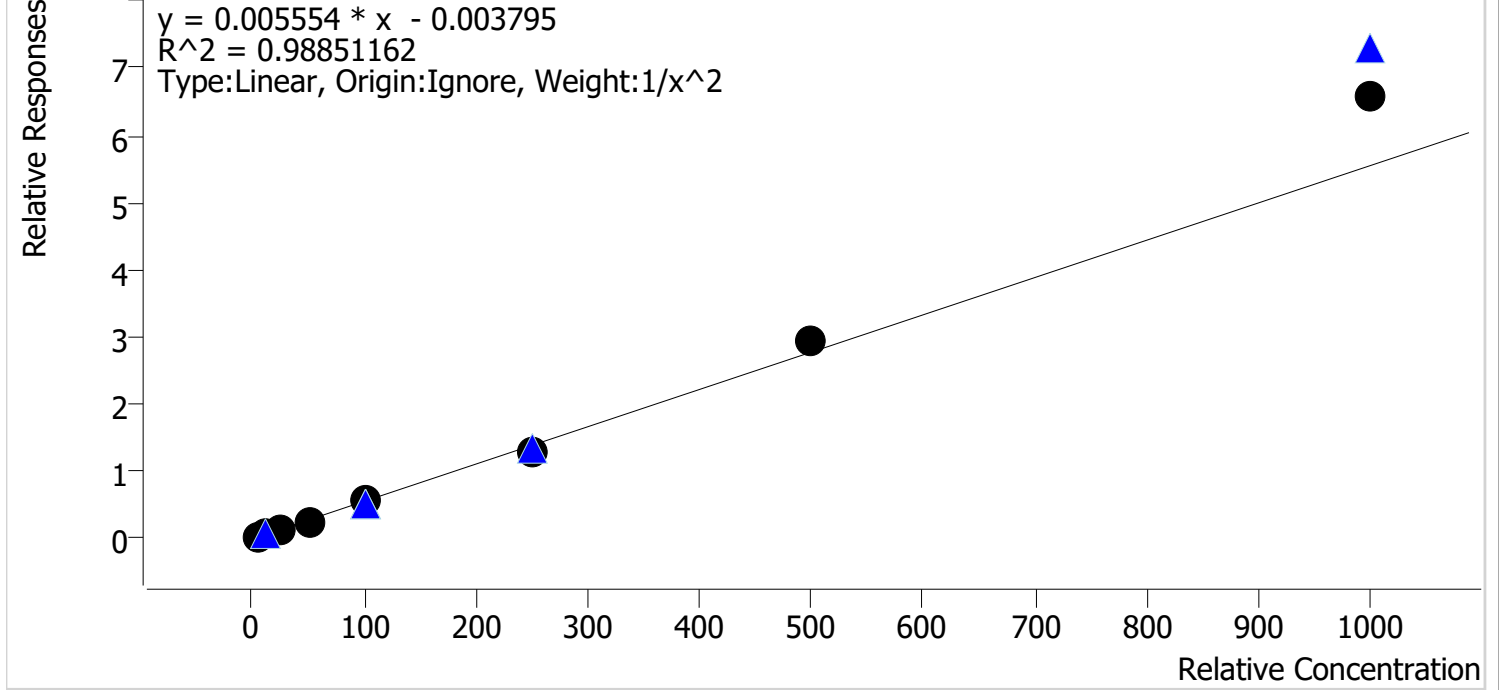
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte alpha-PHP **Internal Standard** alpha-PVP-D8

alpha-PHP - 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	104.4
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.2
p1 Cal 4-50ng	4	✓	50.0	45.1	90.2
p1 Cal 5-100ngr	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	233.4	93.4
p1 Cal 7-500ng	7	✓	500.0	528.2	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1182.2	118.2

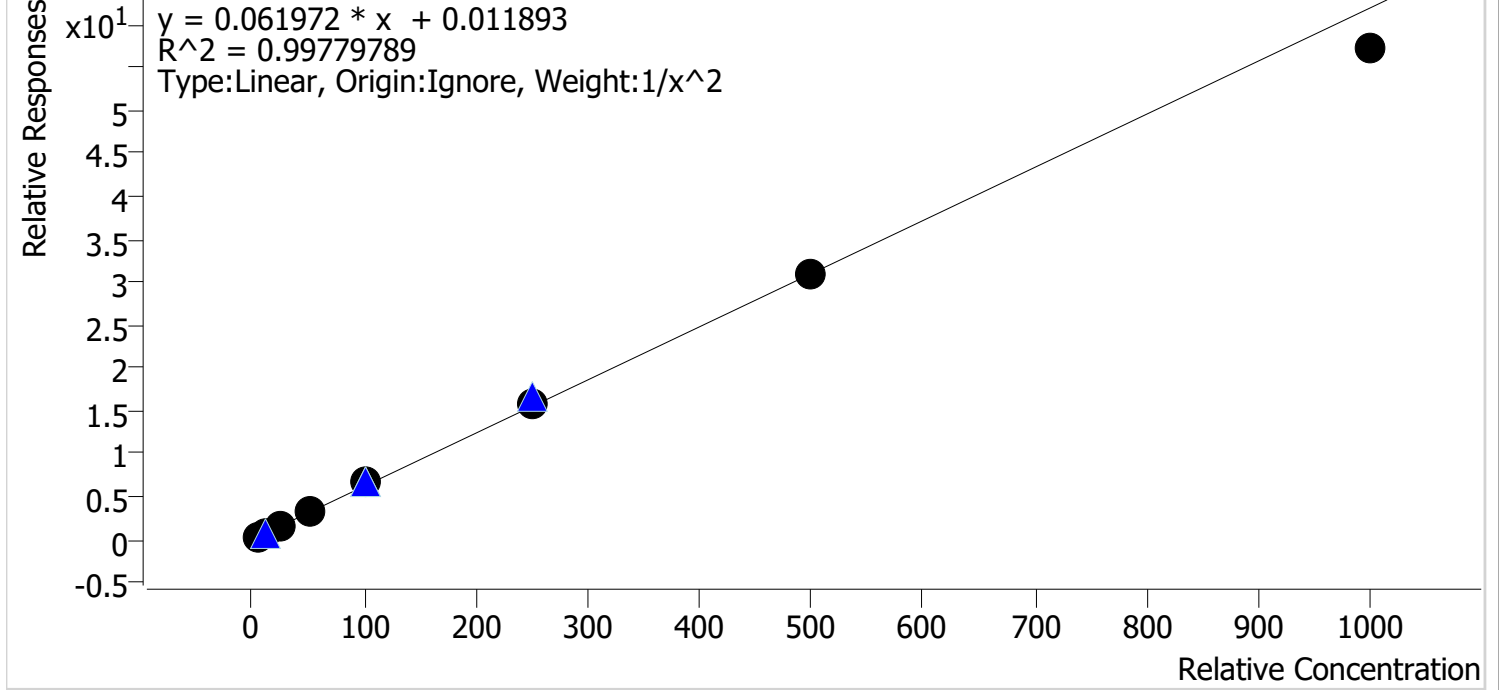
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
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	101.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ngr	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	256.6	102.6
p1 Cal 7-500ng	7	✓	500.0	500.4	100.1
p1 Cal 8-1000ng	8	✓	1000.0	923.4	92.3

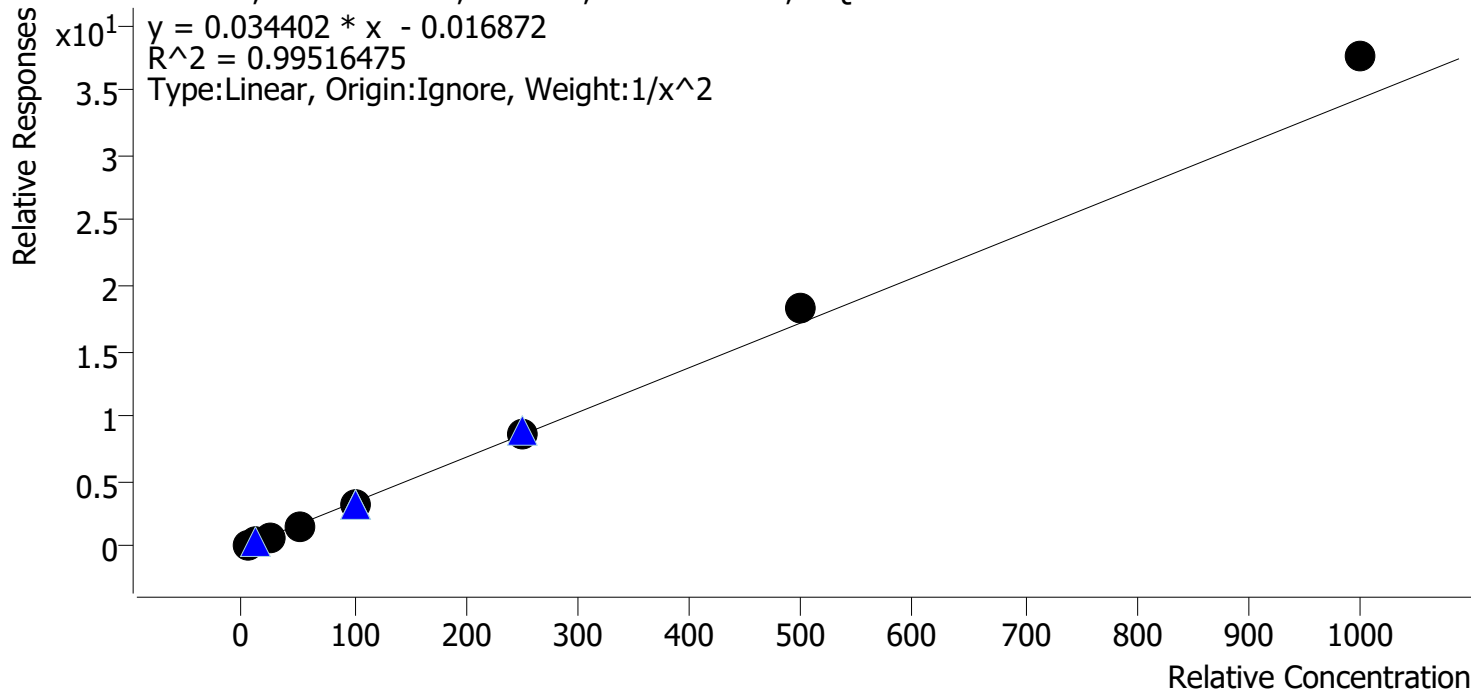
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Etizolam **Internal Standard** Clonazepam-D4

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



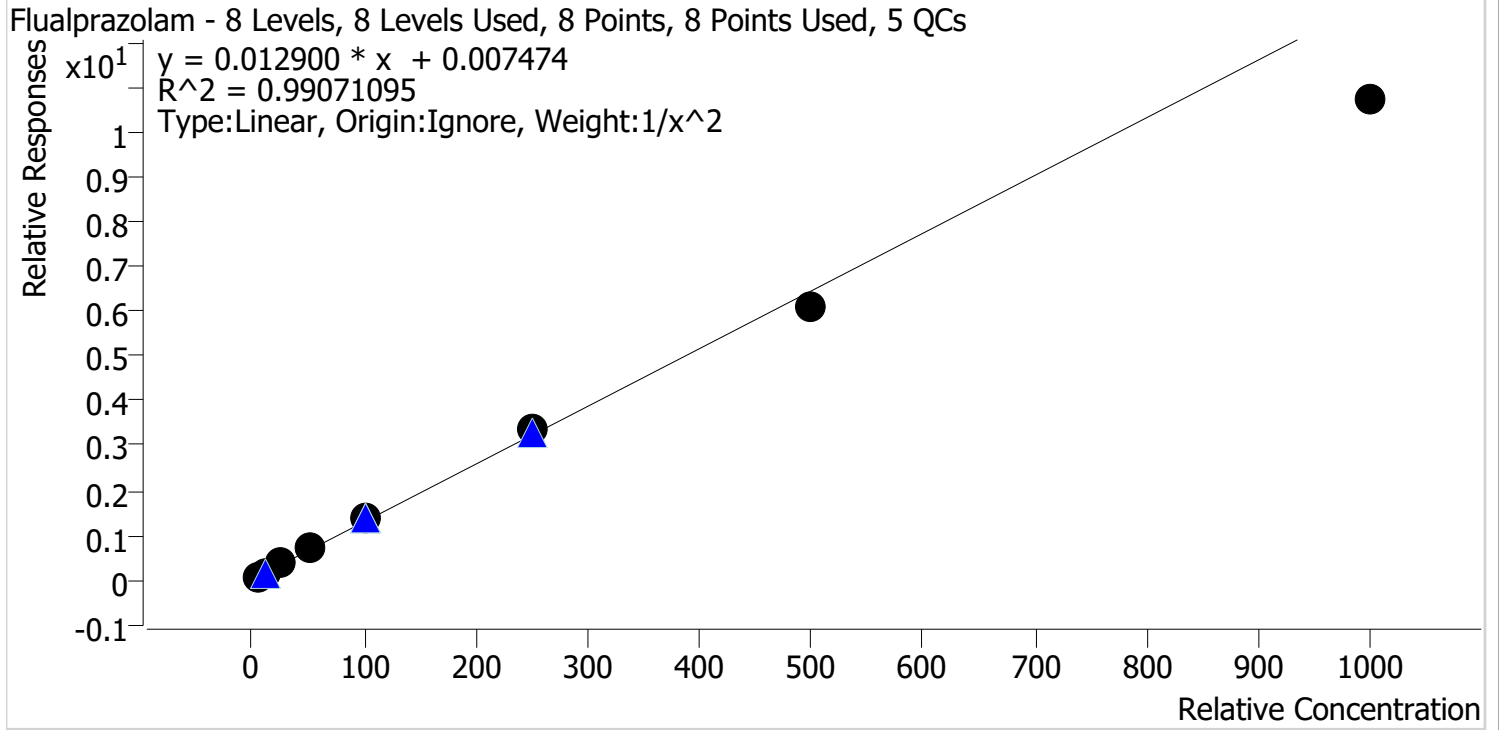
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.1
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	23.2	93.0
p1 Cal 4-50ng	4	✓	50.0	47.3	94.7
p1 Cal 5-100ngr	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	533.0	106.6
p1 Cal 8-1000ng	8	✓	1000.0	1093.2	109.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.6
p1 Cal 4-50ng	4	✓	50.0	53.4	106.9
p1 Cal 5-100ngr	5	✓	100.0	105.4	105.4
p1 Cal 6-250ng	6	✓	250.0	261.3	104.5
p1 Cal 7-500ng	7	✓	500.0	472.1	94.4
p1 Cal 8-1000ng	8	✓	1000.0	830.9	83.1

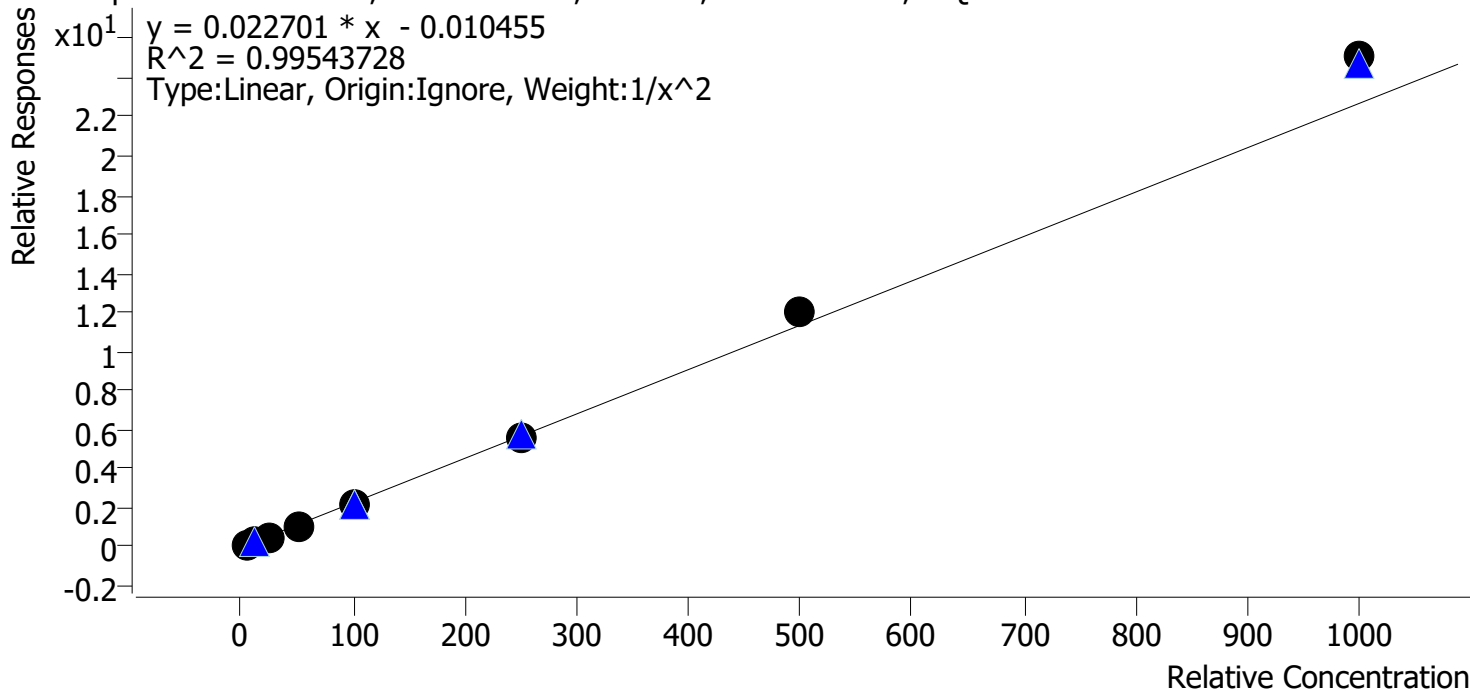
2/9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

Pseudoephedrine - 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	102.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	46.9	93.8
p1 Cal 5-100ngr	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	527.9	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1105.5	110.6

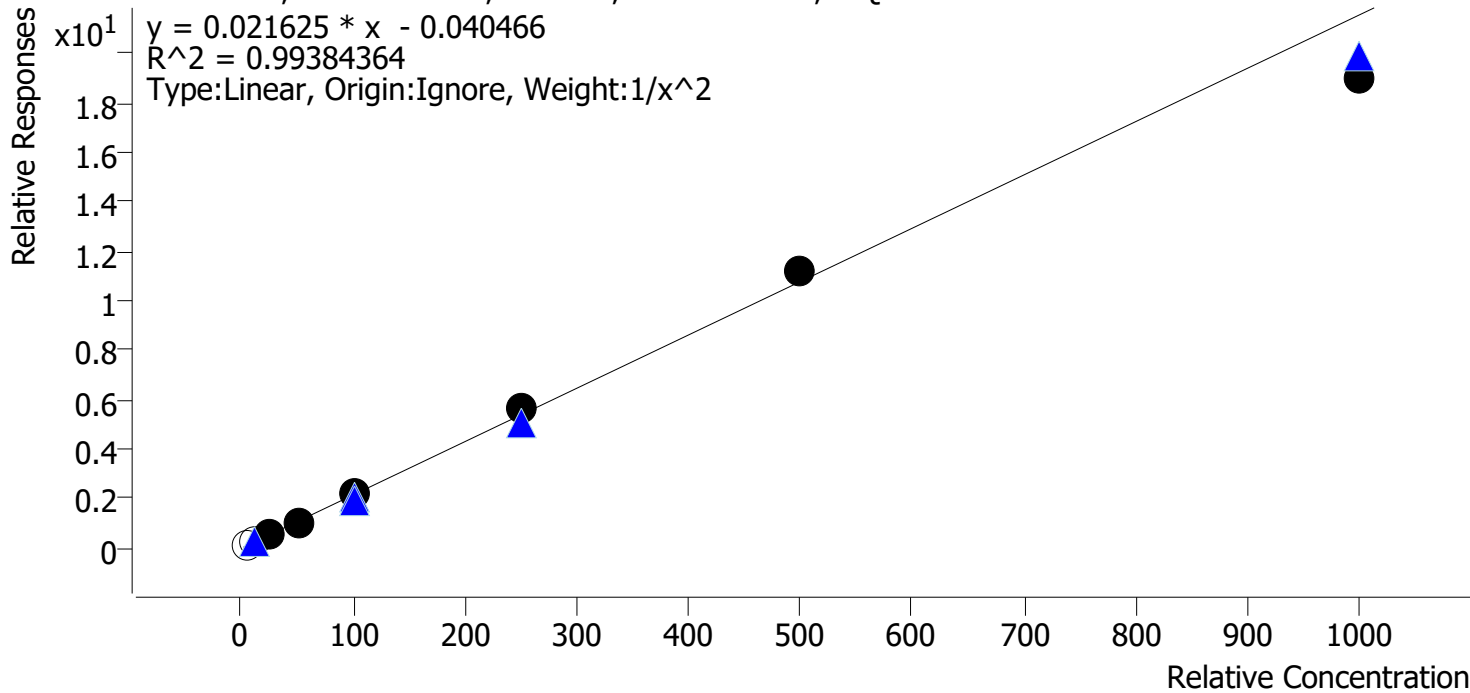
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Duloxetine **Internal Standard** Duloxetine-D3

Duloxetine - 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	x	5.0	6.7	133.0
p1 Cal 2-10ng	2	x	10.0	11.4	114.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ngr	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	261.2	104.5
p1 Cal 7-500ng	7	✓	500.0	523.1	104.6
p1 Cal 8-1000ng	8	✓	1000.0	883.8	88.4

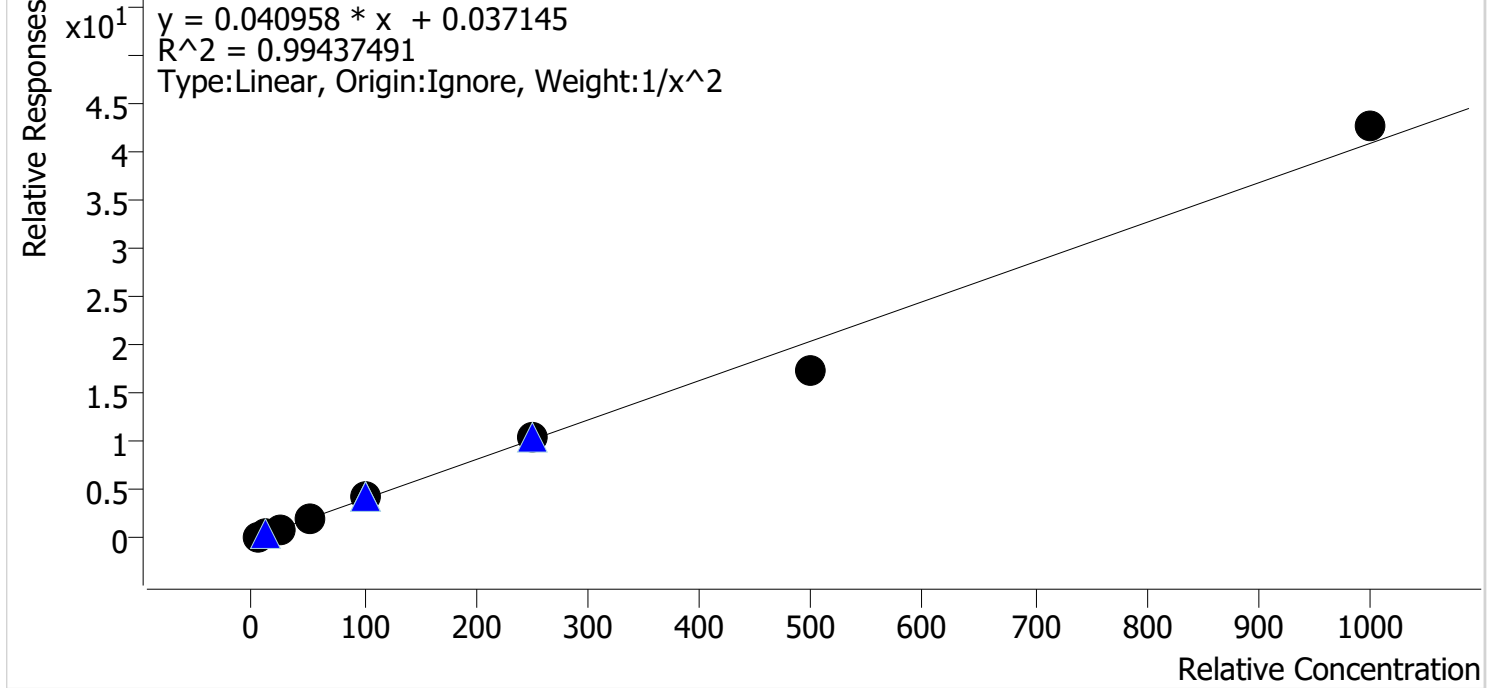
2/8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Hydroxyzine **Internal Standard** Dextromethorphan-D3

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



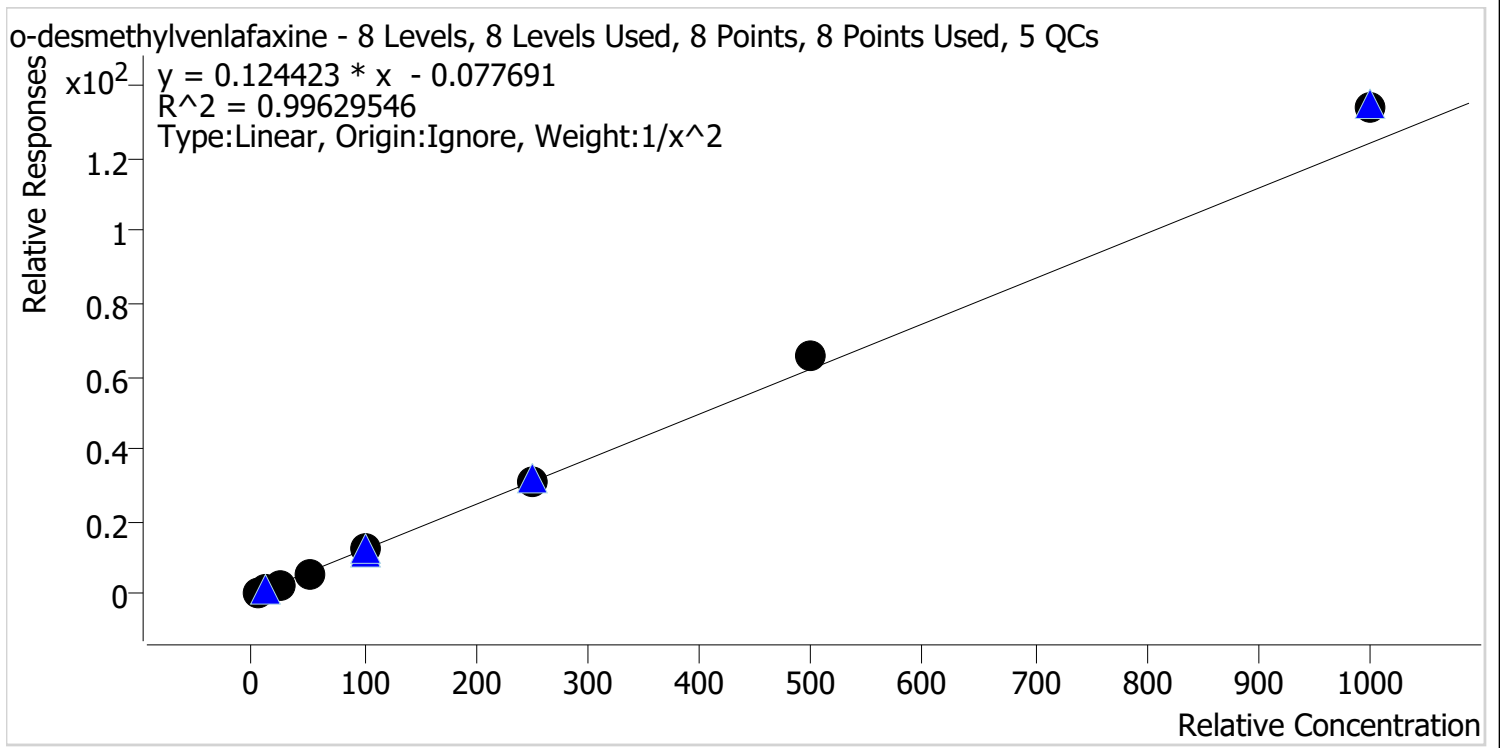
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ngr	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	260.8	104.3
p1 Cal 7-500ng	7	✓	500.0	424.5	84.9
p1 Cal 8-1000ng	8	✓	1000.0	1048.2	104.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.4
p1 Cal 4-50ng	4	✓	50.0	46.6	93.2
p1 Cal 5-100ngr	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	525.7	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1077.5	107.8

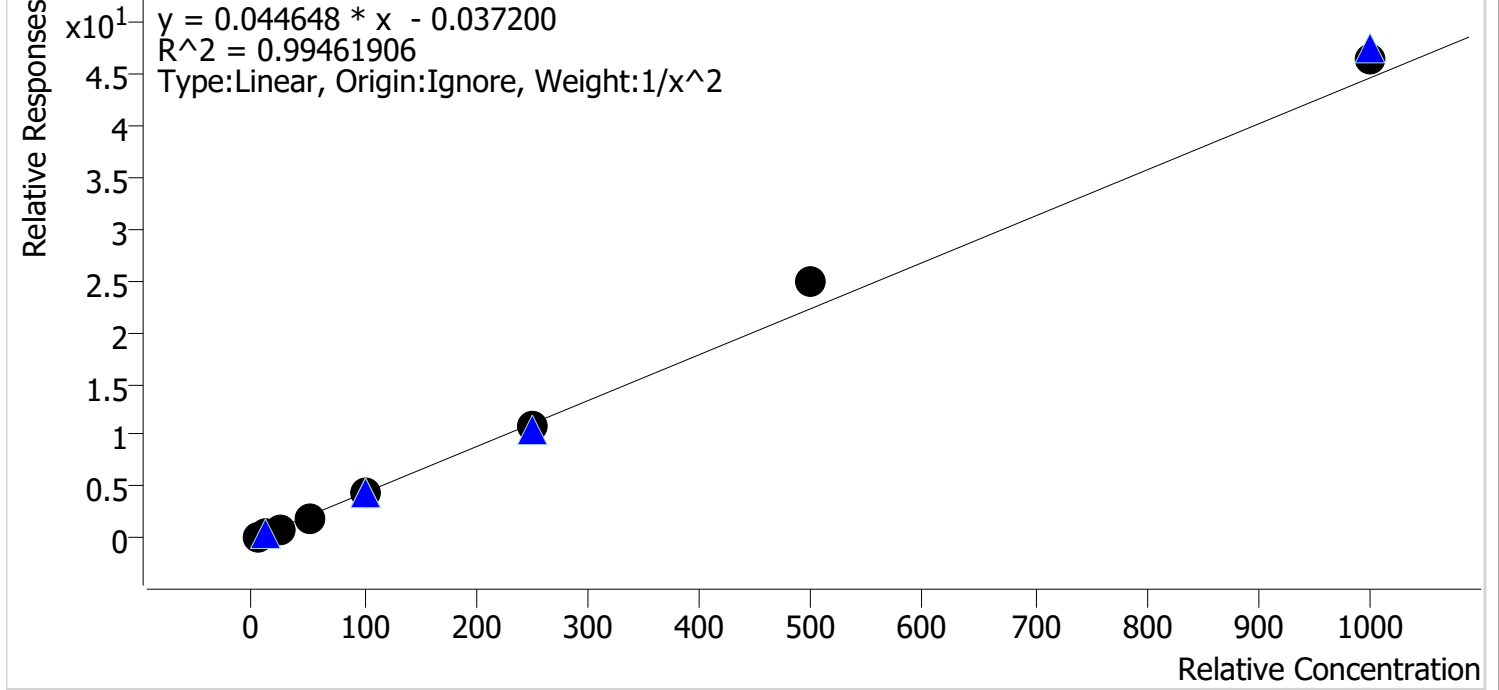
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Olanzapine **Internal Standard** Olanzapine-D8

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



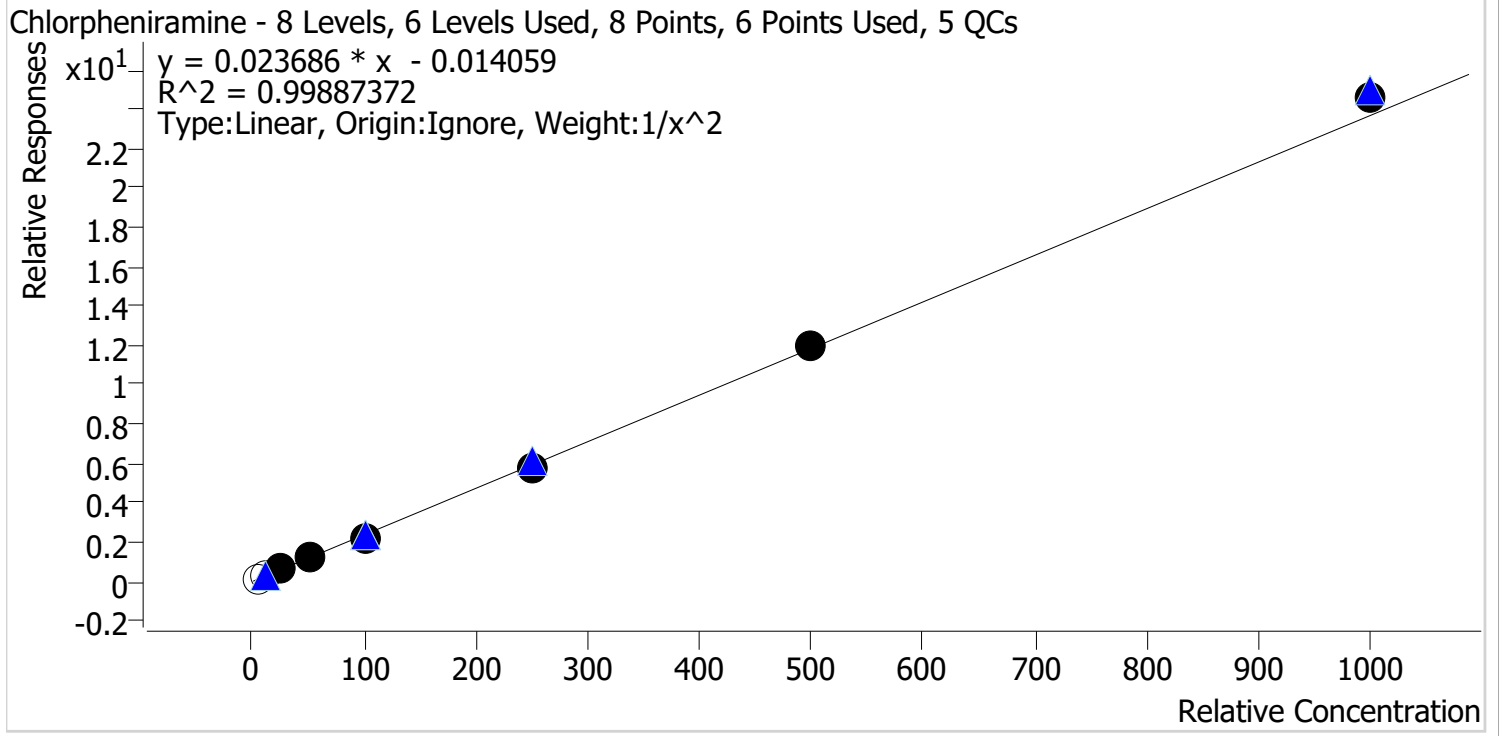
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	45.5	91.1
p1 Cal 5-100ngr	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	559.4	111.9
p1 Cal 8-1000ng	8	✓	1000.0	1041.1	104.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Chlorpheniramine **Internal Standard** Chlorpheniramine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	5.9	118.4
p1 Cal 2-10ng	2	x	10.0	10.7	107.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	49.8	99.5
p1 Cal 5-100ngr	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	507.3	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1036.1	103.6

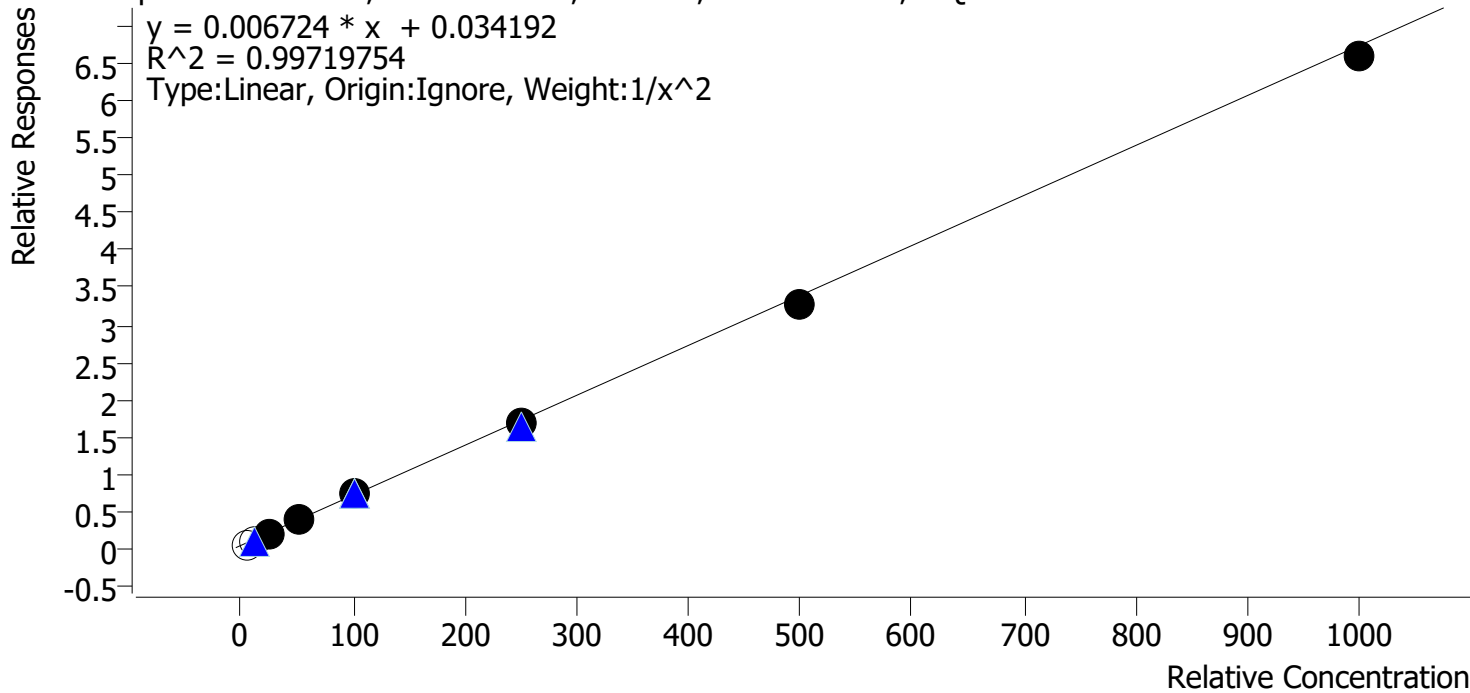
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Chlordiazepoxide **Internal Standard** Chlordiazepoxide-D5

Chlordiazepoxide - 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	x	5.0	0.9	17.8
p1 Cal 2-10ng	2	x	10.0	7.2	72.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ngr	5	✓	100.0	107.2	107.2
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	479.4	95.9
p1 Cal 8-1000ng	8	✓	1000.0	978.0	97.8

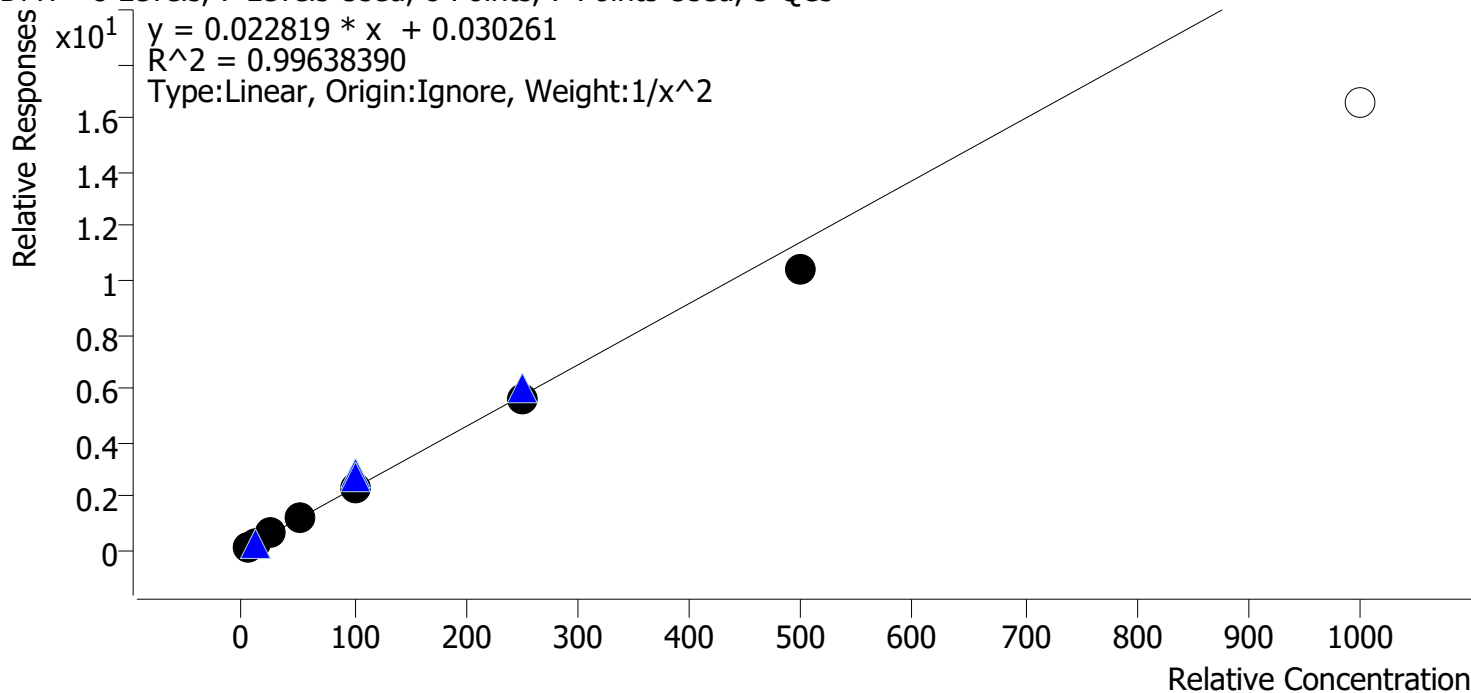
2/8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte DMT **Internal Standard** Dextromethorphan-D3

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



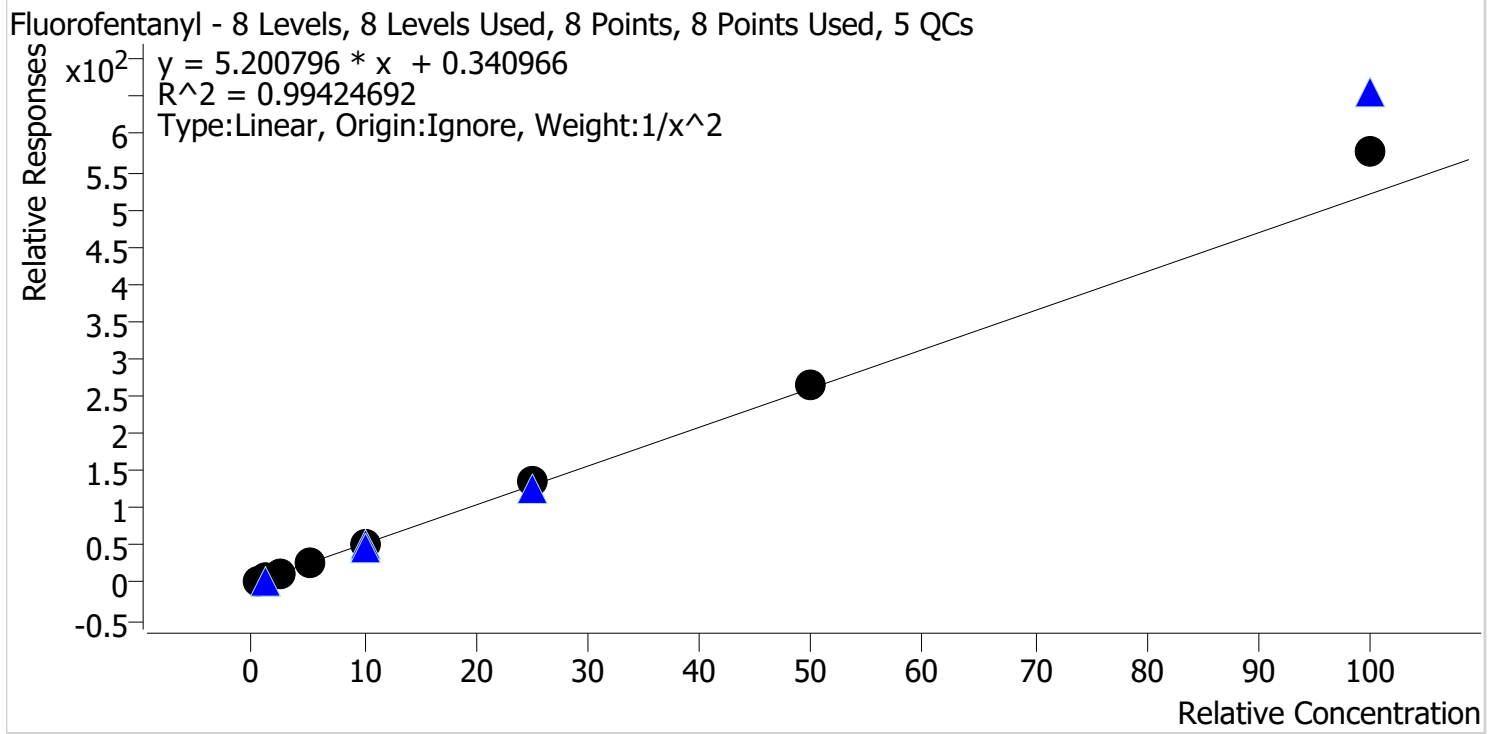
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ngr	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	453.6	90.7
p1 Cal 8-1000ng	8	✗	1000.0	723.2	72.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Fluorofentanyl Internal Standard Fluorofentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	105.4
p1 Cal 2-10ng	2	✓	1.0	0.9	91.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.8
p1 Cal 4-50ng	4	✓	5.0	4.7	93.8
p1 Cal 5-100ngr	5	✓	10.0	9.5	95.0
p1 Cal 6-250ng	6	✓	25.0	26.0	103.9
p1 Cal 7-500ng	7	✓	50.0	51.3	102.5
p1 Cal 8-1000ng	8	✓	100.0	110.7	110.7

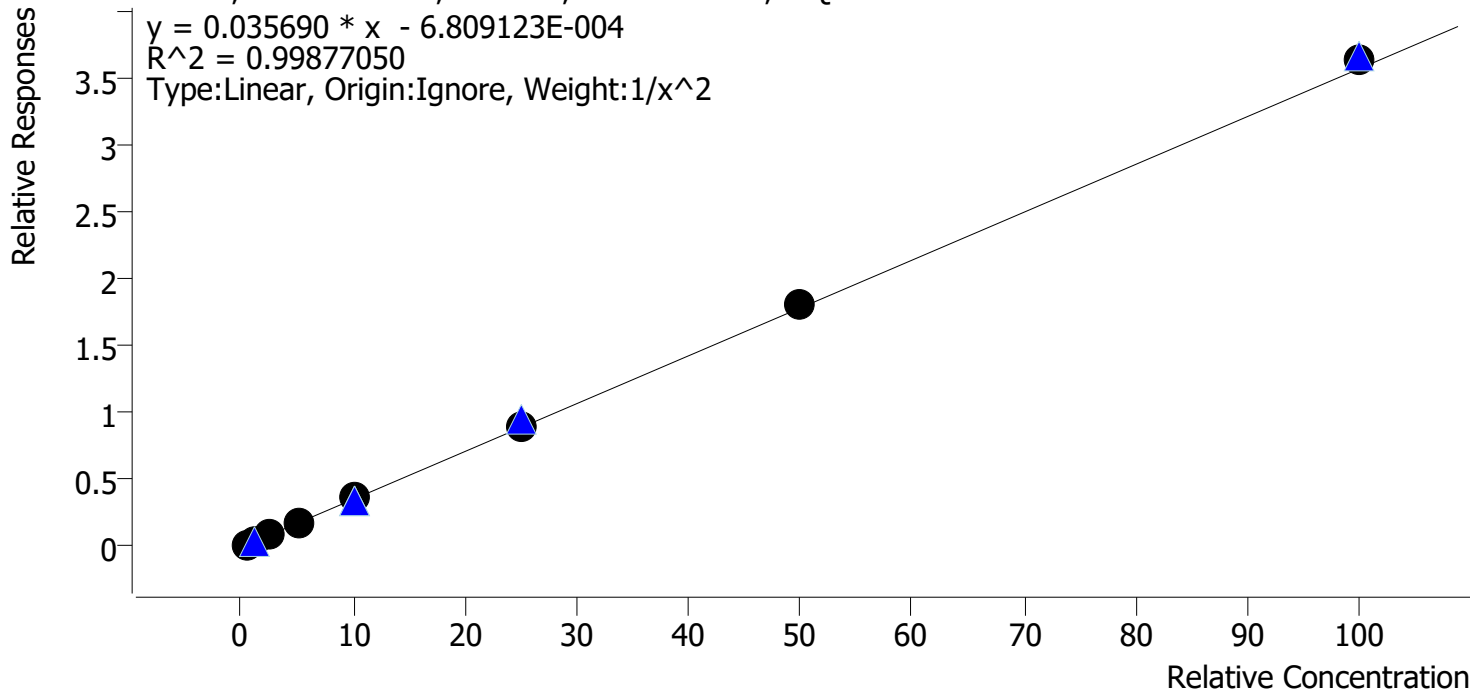
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte 6-MAM **Internal Standard** 6-MAM-D6

6-MAM - 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	✓	0.5	0.5	103.4
p1 Cal 2-10ng	2	✓	1.0	0.9	93.7
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.9
p1 Cal 4-50ng	4	✓	5.0	4.9	98.4
p1 Cal 5-100ngr	5	✓	10.0	10.1	101.5
p1 Cal 6-250ng	6	✓	25.0	25.1	100.3
p1 Cal 7-500ng	7	✓	50.0	50.8	101.7
p1 Cal 8-1000ng	8	✓	100.0	102.1	102.1

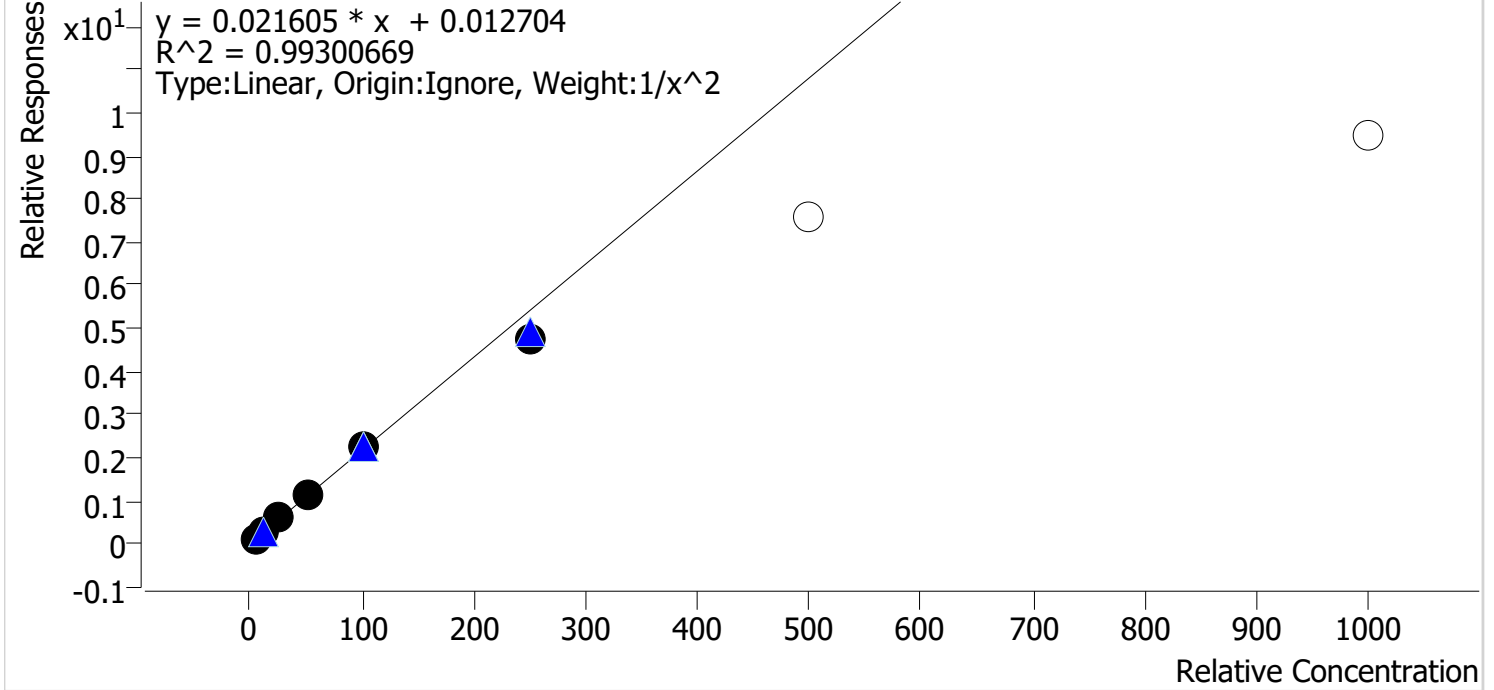
2/24



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 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	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.5	104.9
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ngr	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	219.7	87.9
p1 Cal 7-500ng	7	x	500.0	351.1	70.2
p1 Cal 8-1000ng	8	x	1000.0	439.0	43.9

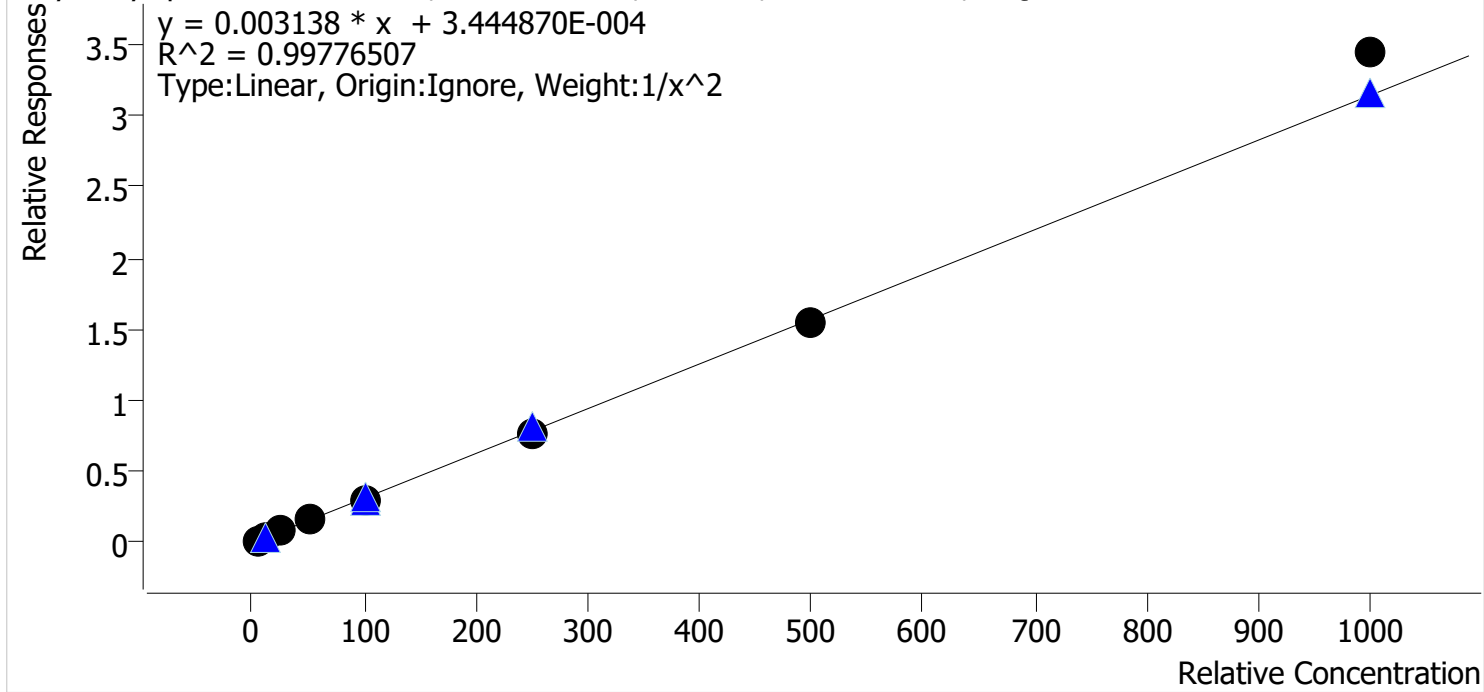
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte a-hydroxyalprazolam **Internal Standard** Temazepam-D5

a-hydroxyalprazolam - 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	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ngr	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	243.4	97.4
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1095.6	109.6

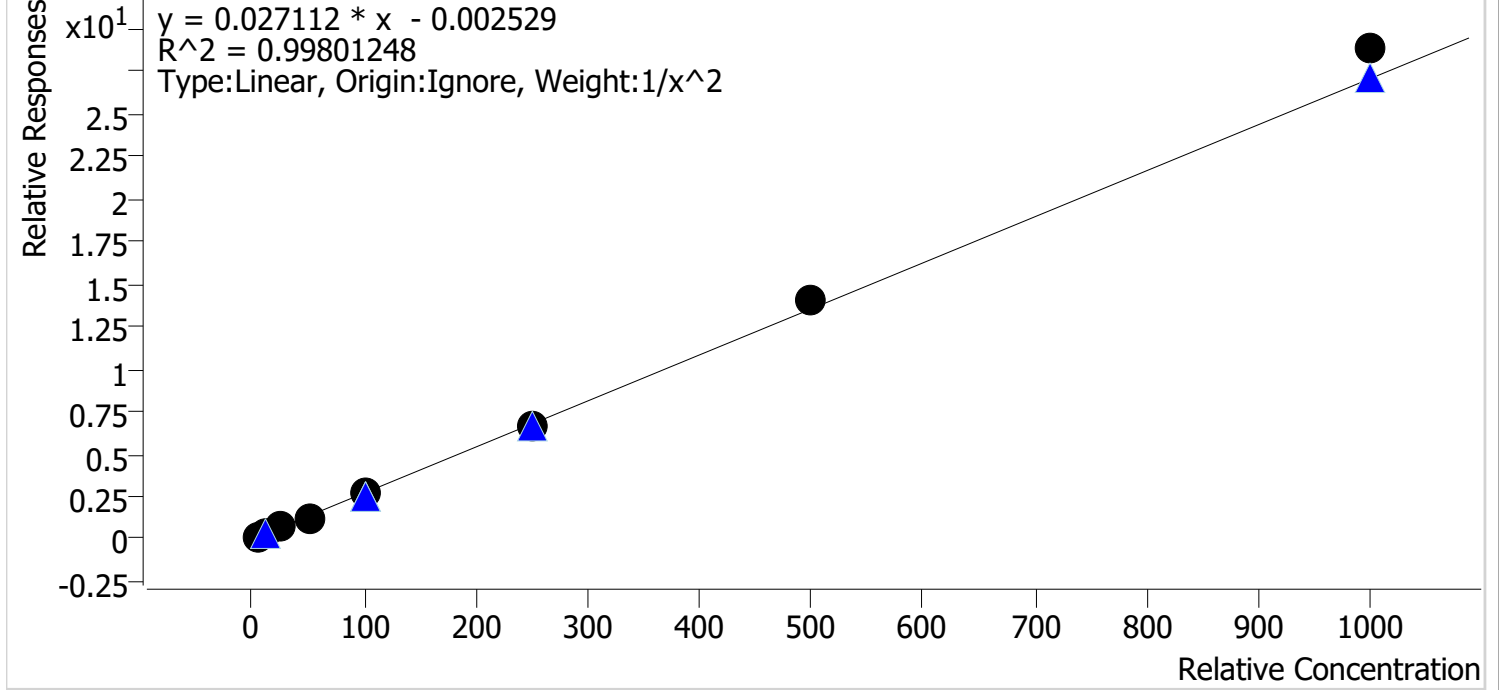
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
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	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	47.6	95.3
p1 Cal 5-100ngr	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	519.6	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1065.3	106.5

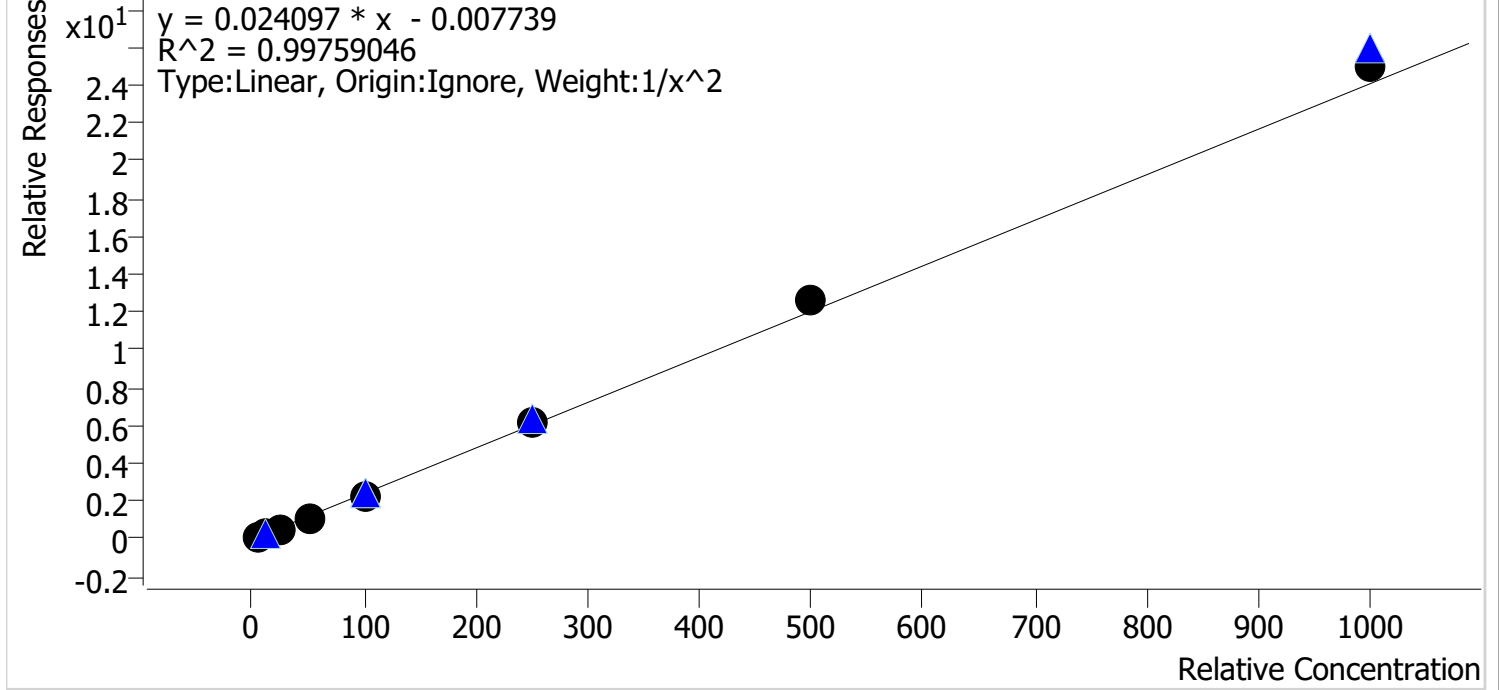
ALH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
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	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	47.6	95.3
p1 Cal 5-100ngr	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	258.4	103.4
p1 Cal 7-500ng	7	✓	500.0	526.3	105.3
p1 Cal 8-1000ng	8	✓	1000.0	1040.1	104.0

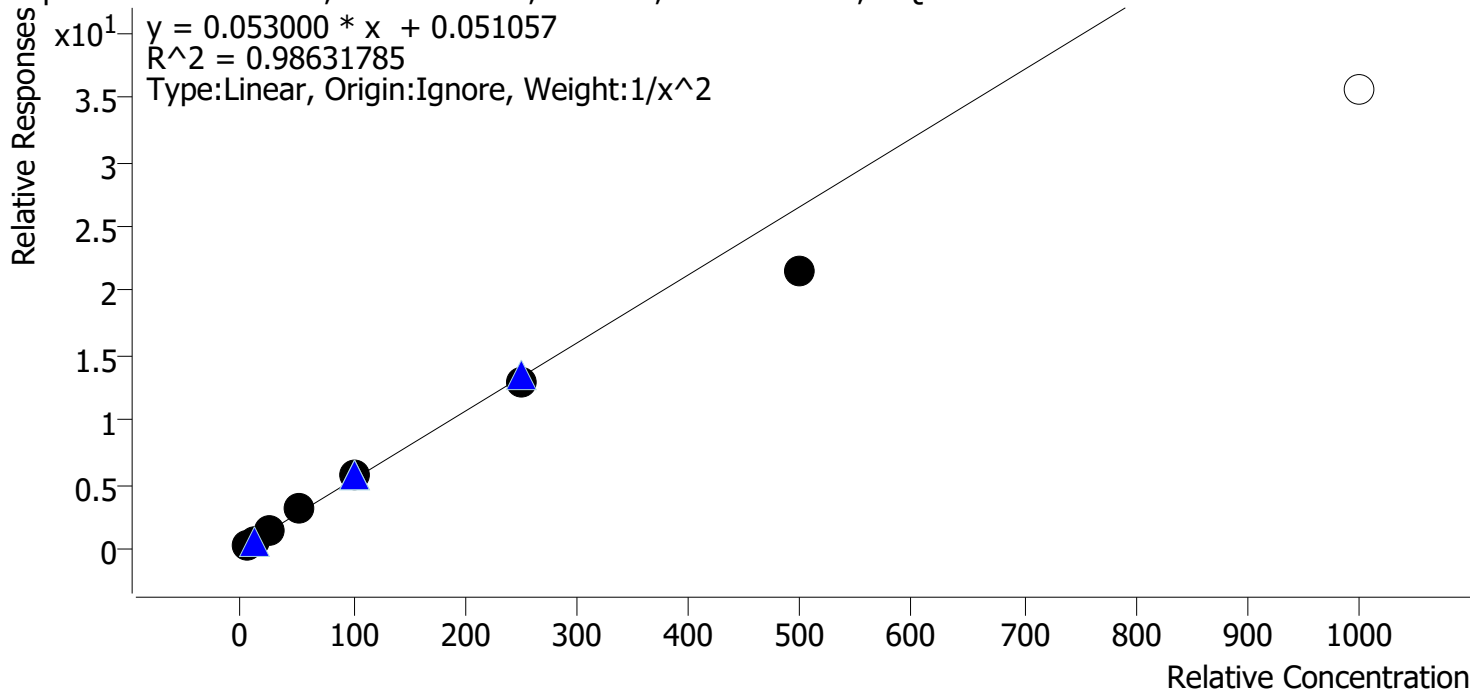
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	56.0	112.1
p1 Cal 5-100ngr	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	405.3	81.1
p1 Cal 8-1000ng	8	✗	1000.0	670.3	67.0

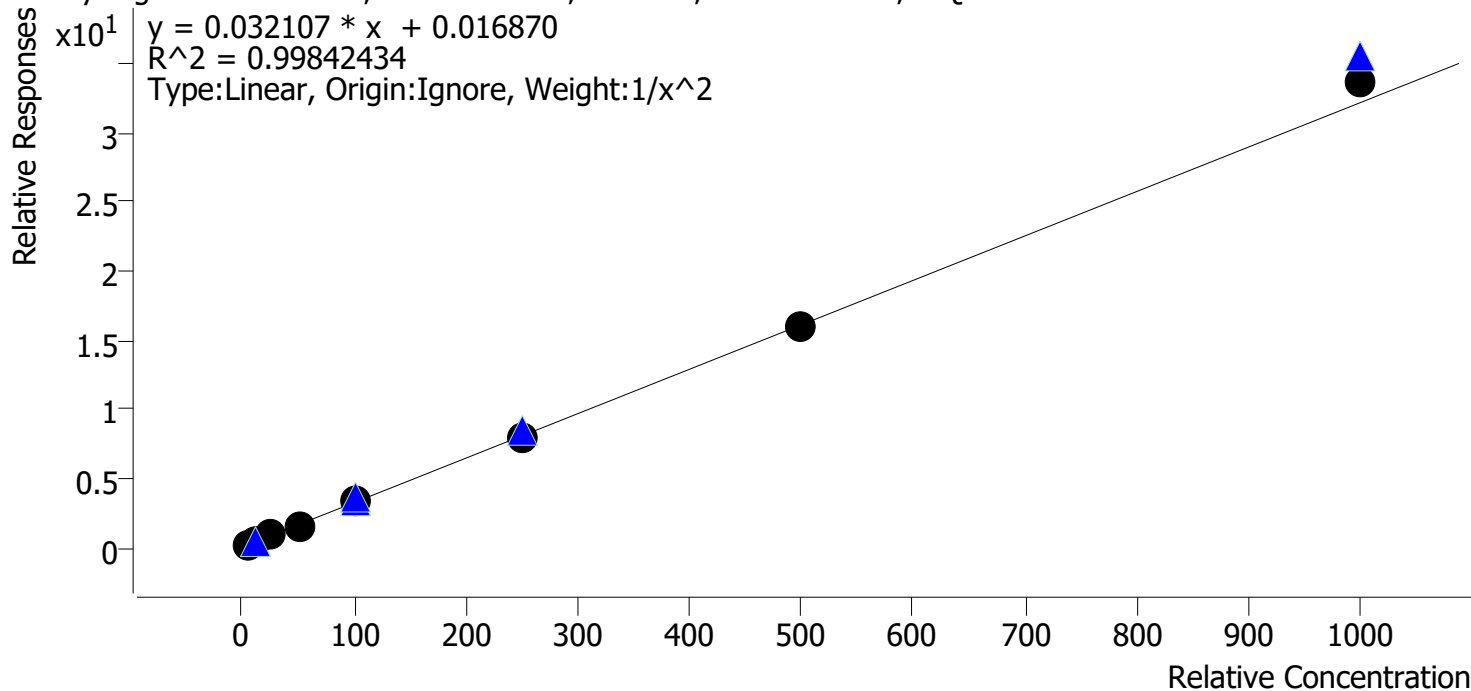
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



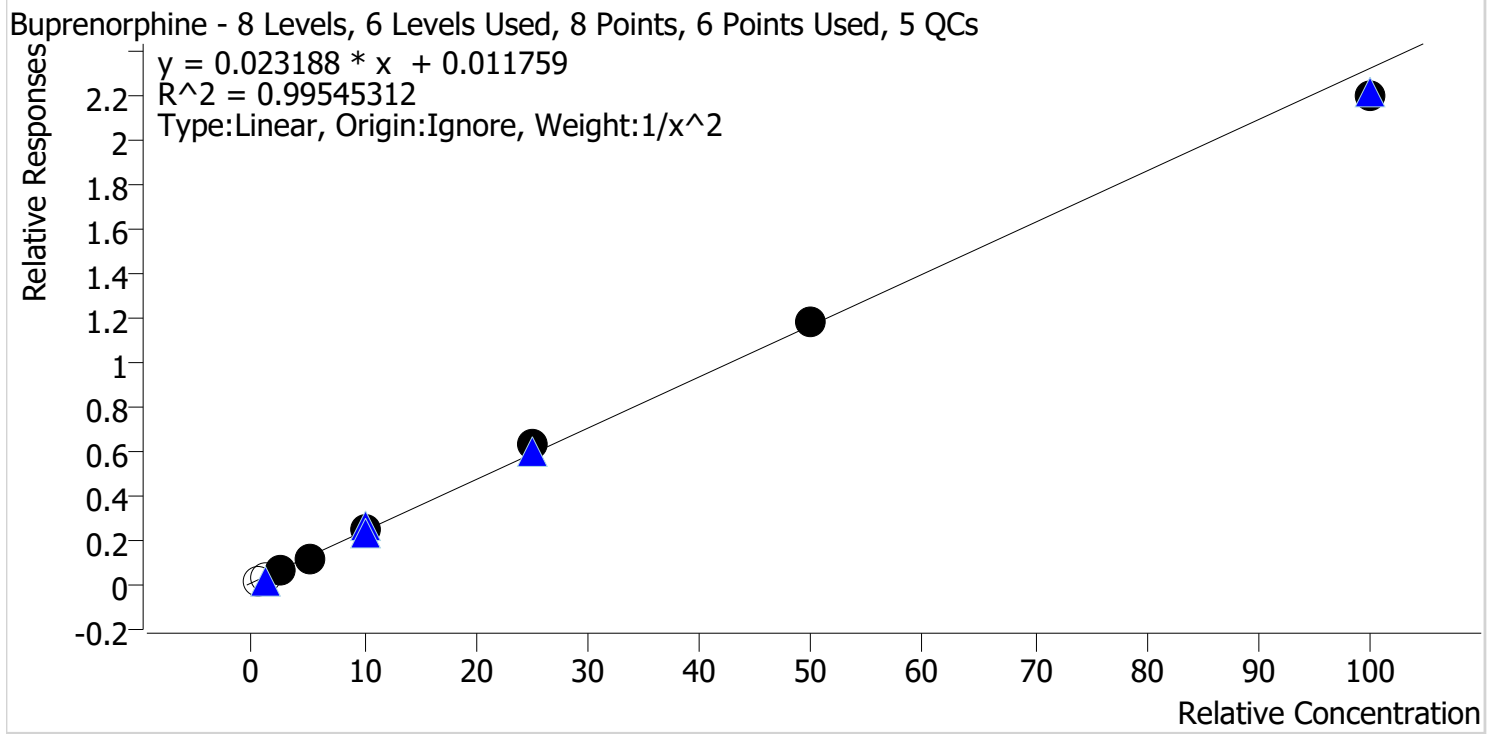
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	47.1	94.2
p1 Cal 5-100ngr	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	497.7	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1050.7	105.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



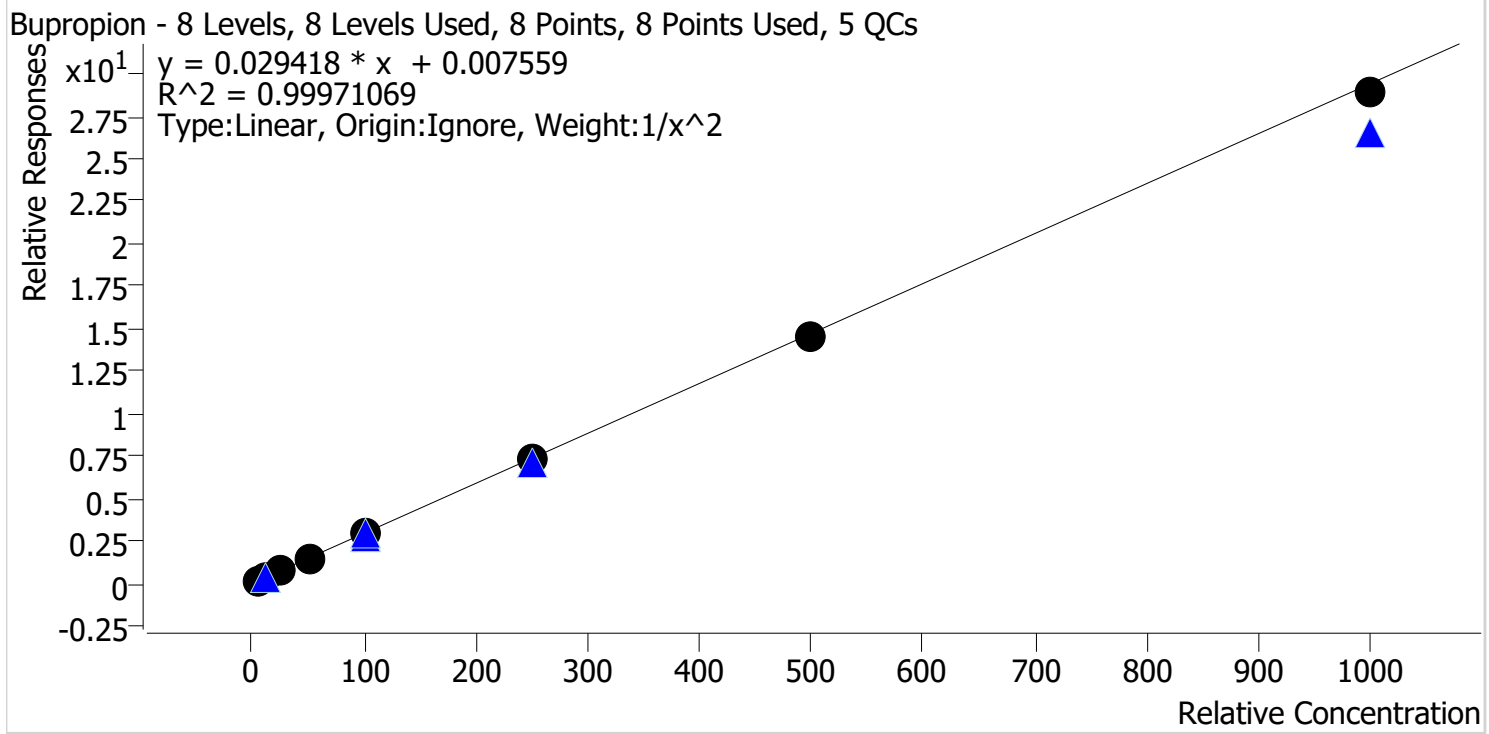
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.3	67.8
p1 Cal 2-10ng	2	x	1.0	0.7	70.9
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.5
p1 Cal 4-50ng	4	✓	5.0	4.7	93.5
p1 Cal 5-100ngr	5	✓	10.0	10.0	99.9
p1 Cal 6-250ng	6	✓	25.0	27.1	108.4
p1 Cal 7-500ng	7	✓	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✓	100.0	94.9	94.9

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Bupropion **Internal Standard** Bupropion-D9



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	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ngr	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	496.3	99.3
p1 Cal 8-1000ng	8	✓	1000.0	982.3	98.2

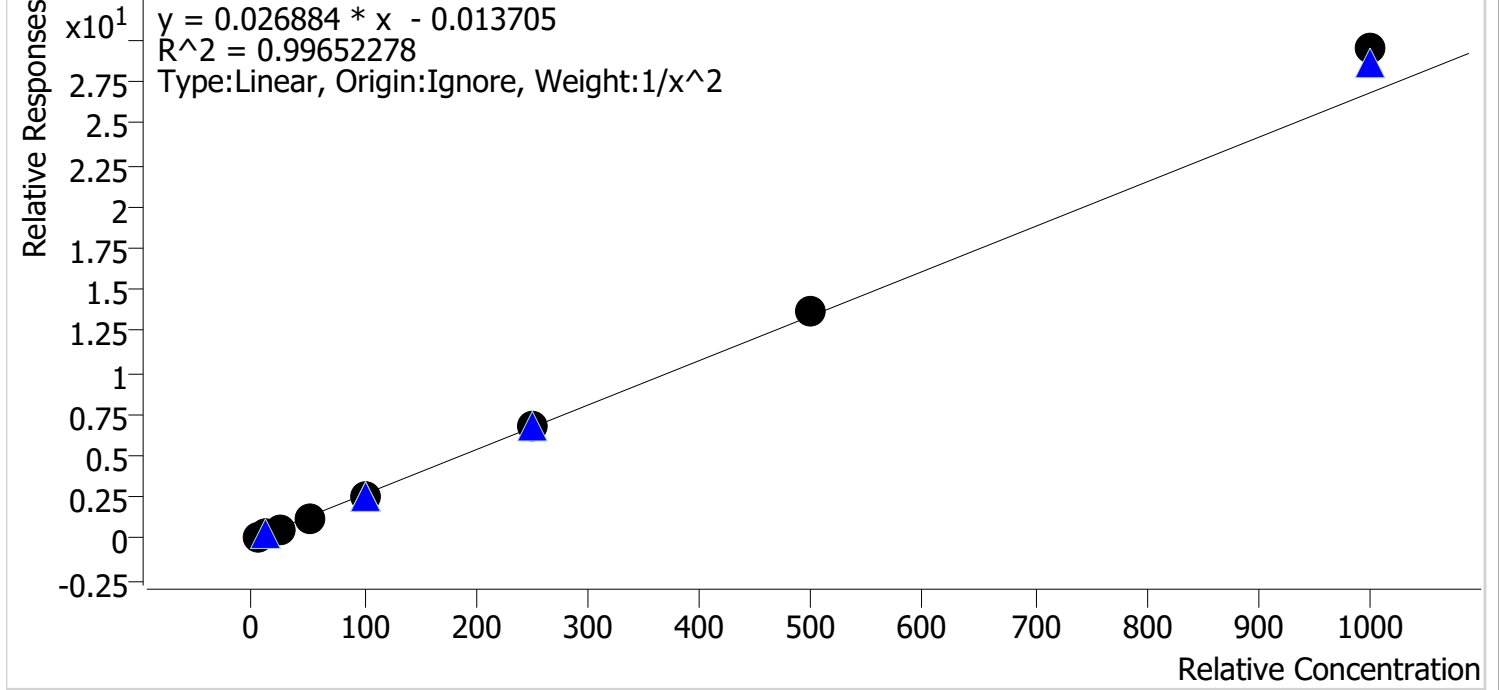
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

Carisoprodol - 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	102.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.8
p1 Cal 4-50ng	4	✓	50.0	47.7	95.5
p1 Cal 5-100ngr	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	511.8	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1099.0	109.9

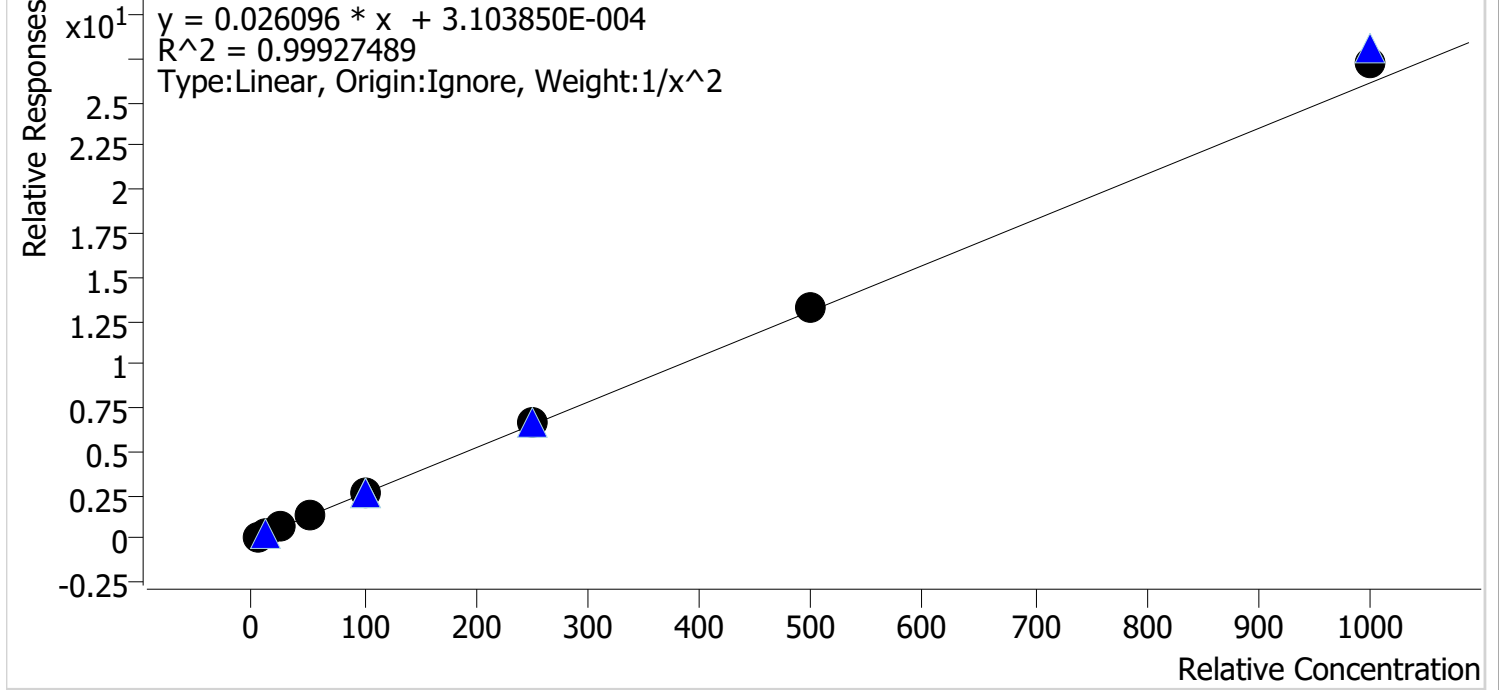
ALH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Citalopram **Internal Standard** Citalopram-D6

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



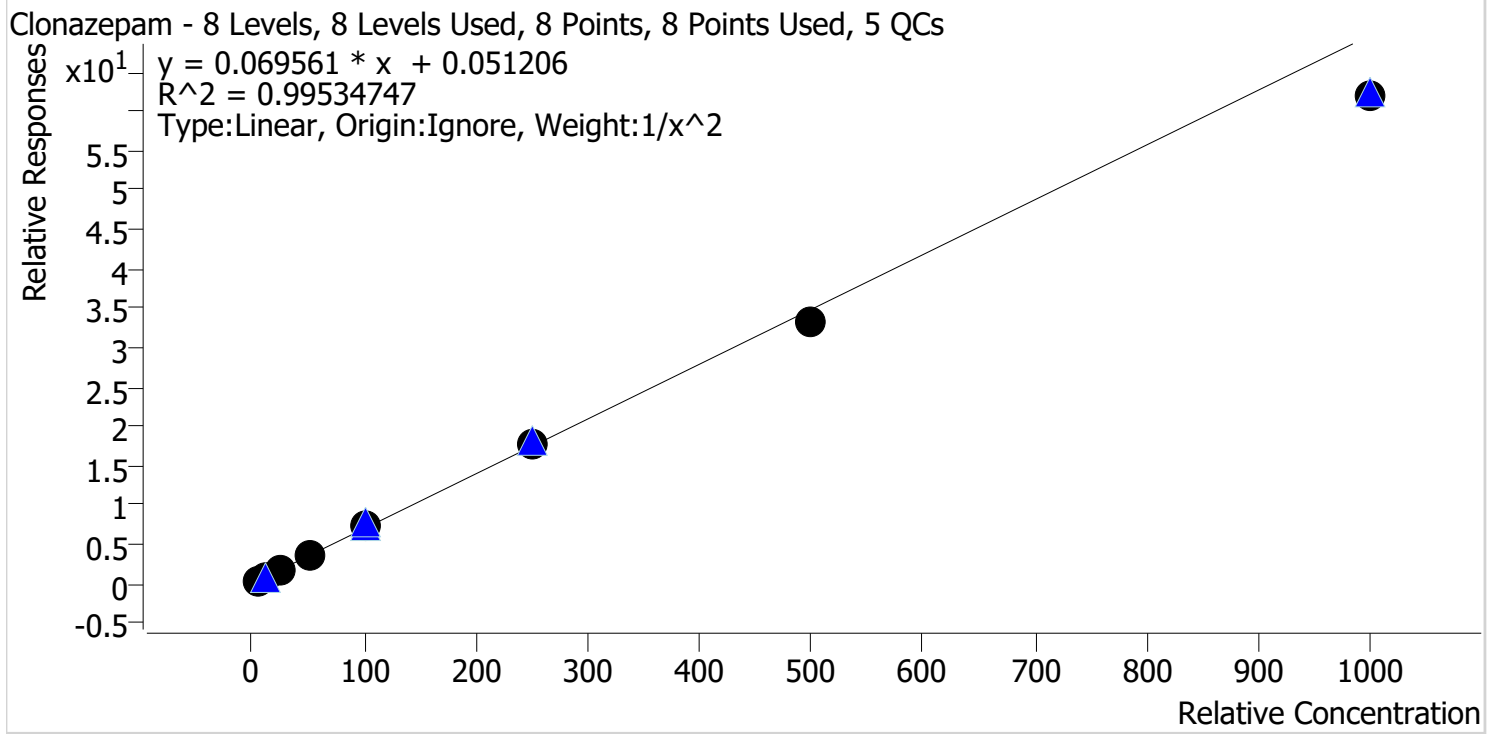
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	48.9	97.9
p1 Cal 5-100ngr	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	507.0	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1040.0	104.0

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.4
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ngr	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	478.7	95.7
p1 Cal 8-1000ng	8	✓	1000.0	889.1	88.9

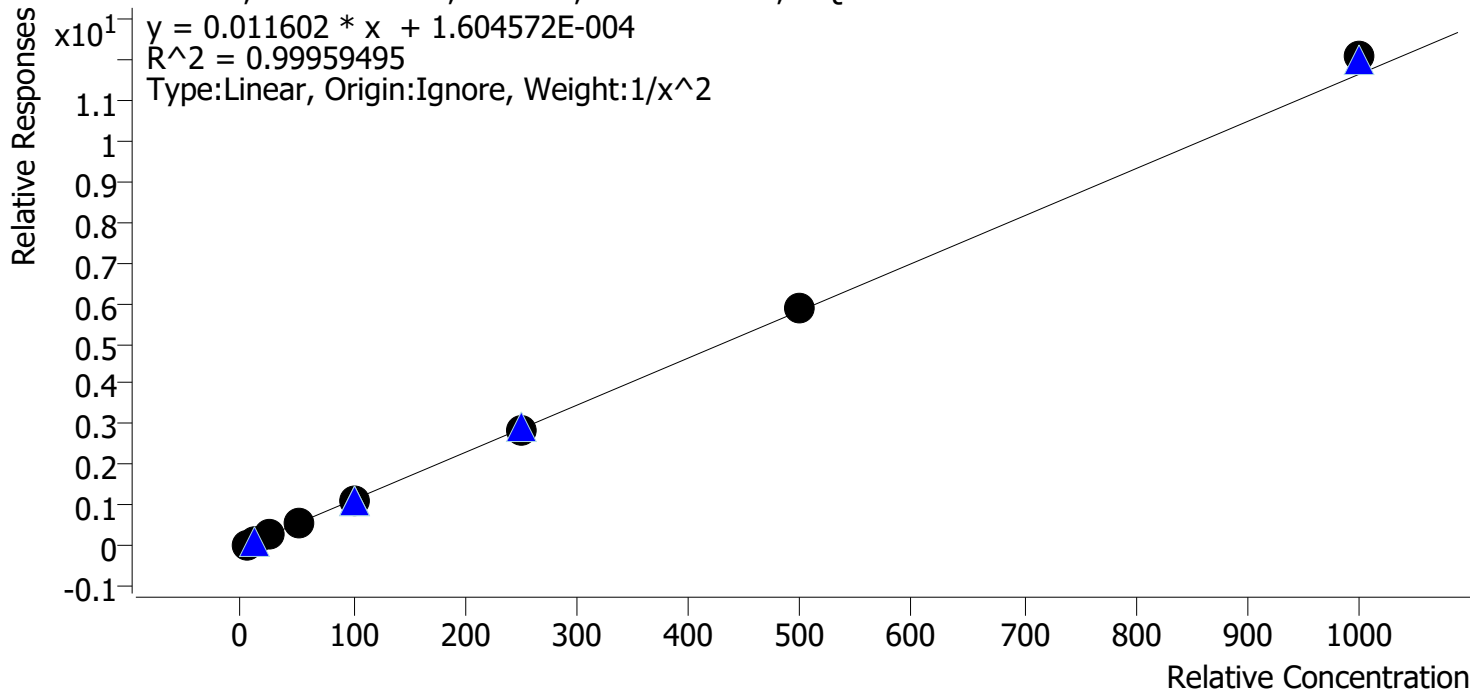
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
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	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ngr	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1037.3	103.7

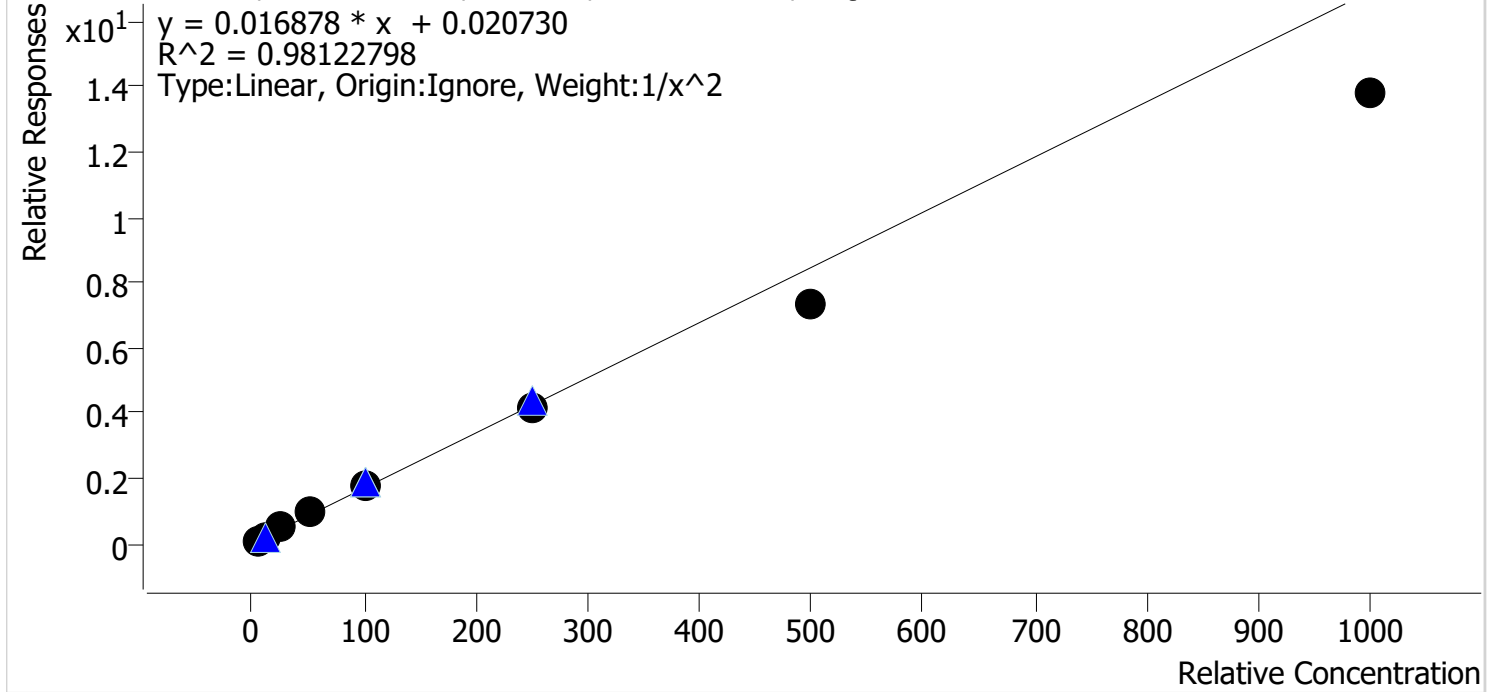
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Codeine **Internal Standard** Codeine-D6

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



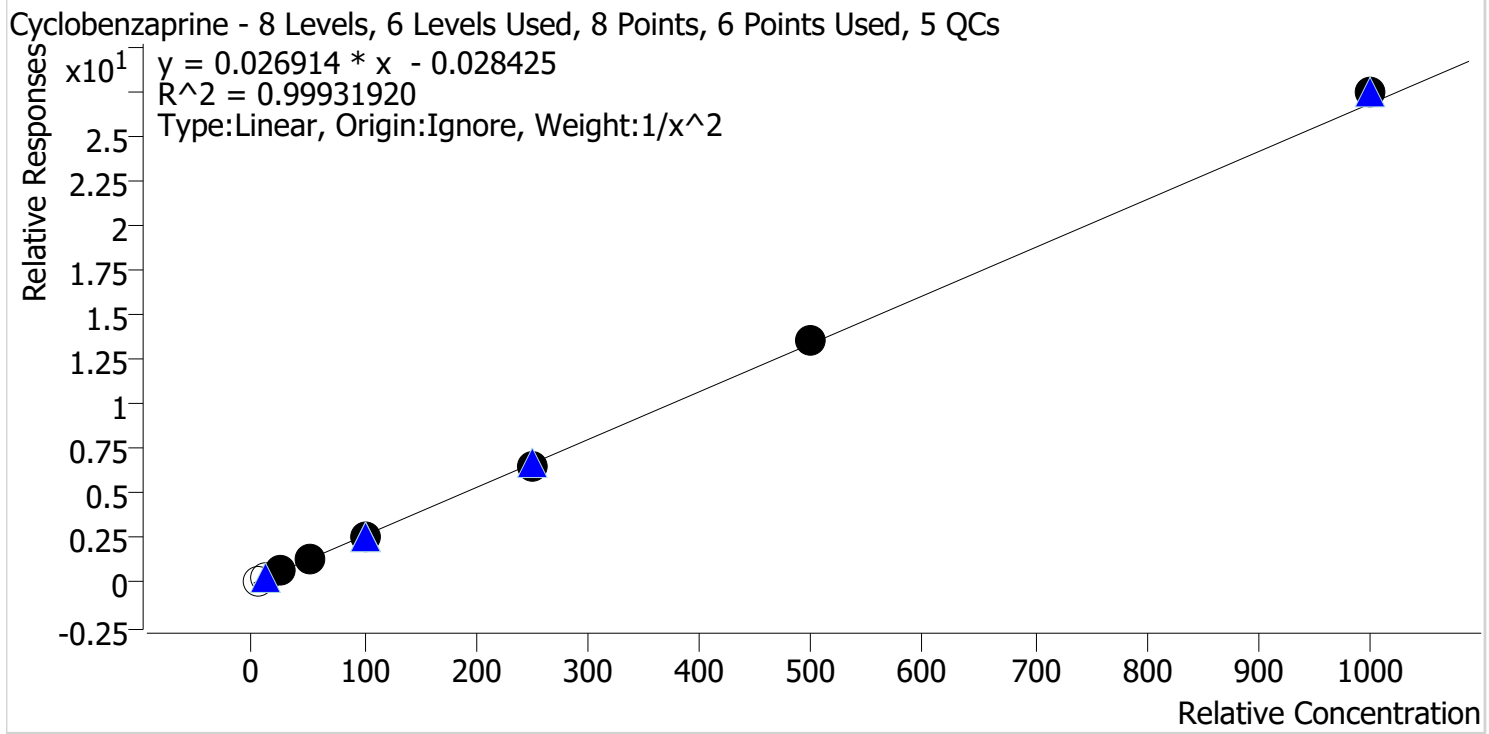
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	92.7
p1 Cal 2-10ng	2	✓	10.0	10.7	106.7
p1 Cal 3 -25ng	3	✓	25.0	28.1	112.2
p1 Cal 4-50ng	4	✓	50.0	57.5	115.0
p1 Cal 5-100ngr	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	435.0	87.0
p1 Cal 8-1000ng	8	✓	1000.0	818.2	81.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	6.1	122.7
p1 Cal 2-10ng	2	x	10.0	11.1	111.3
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ngr	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	508.6	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1022.3	102.2

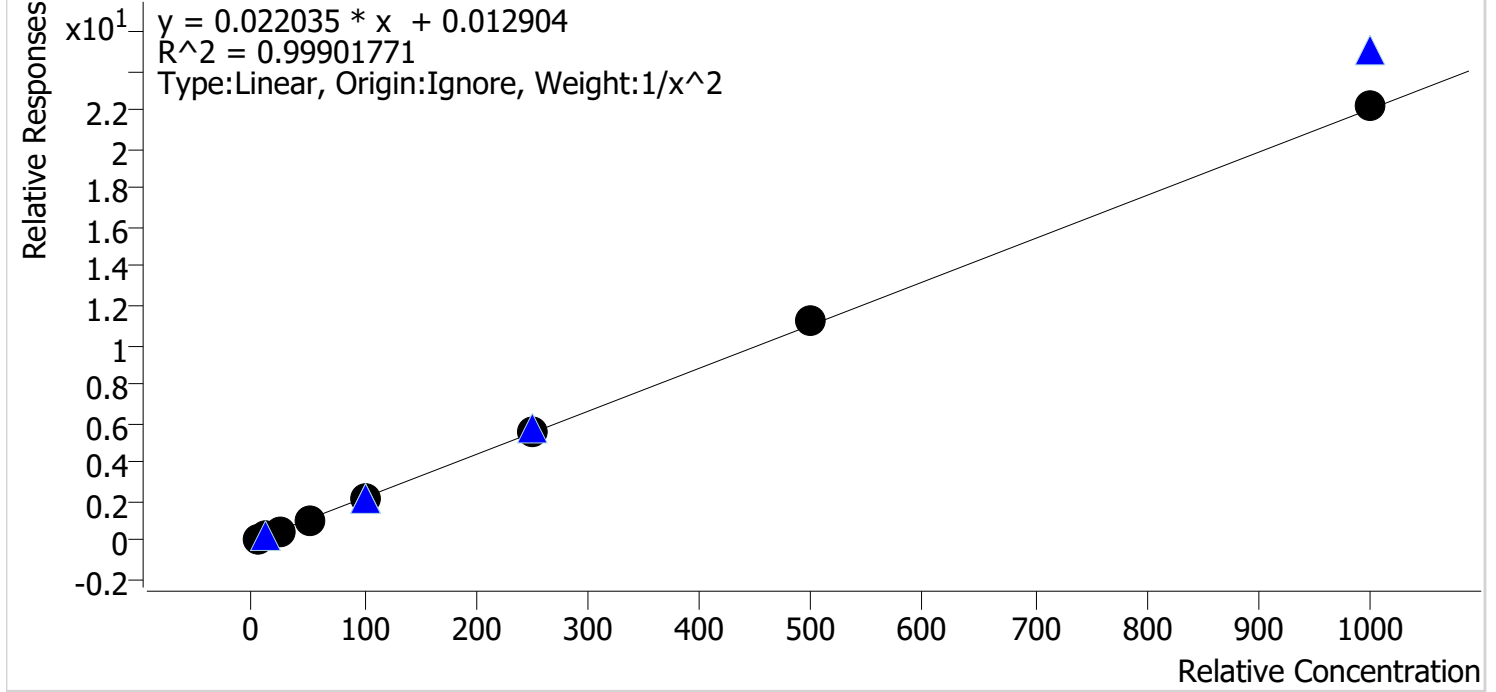
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



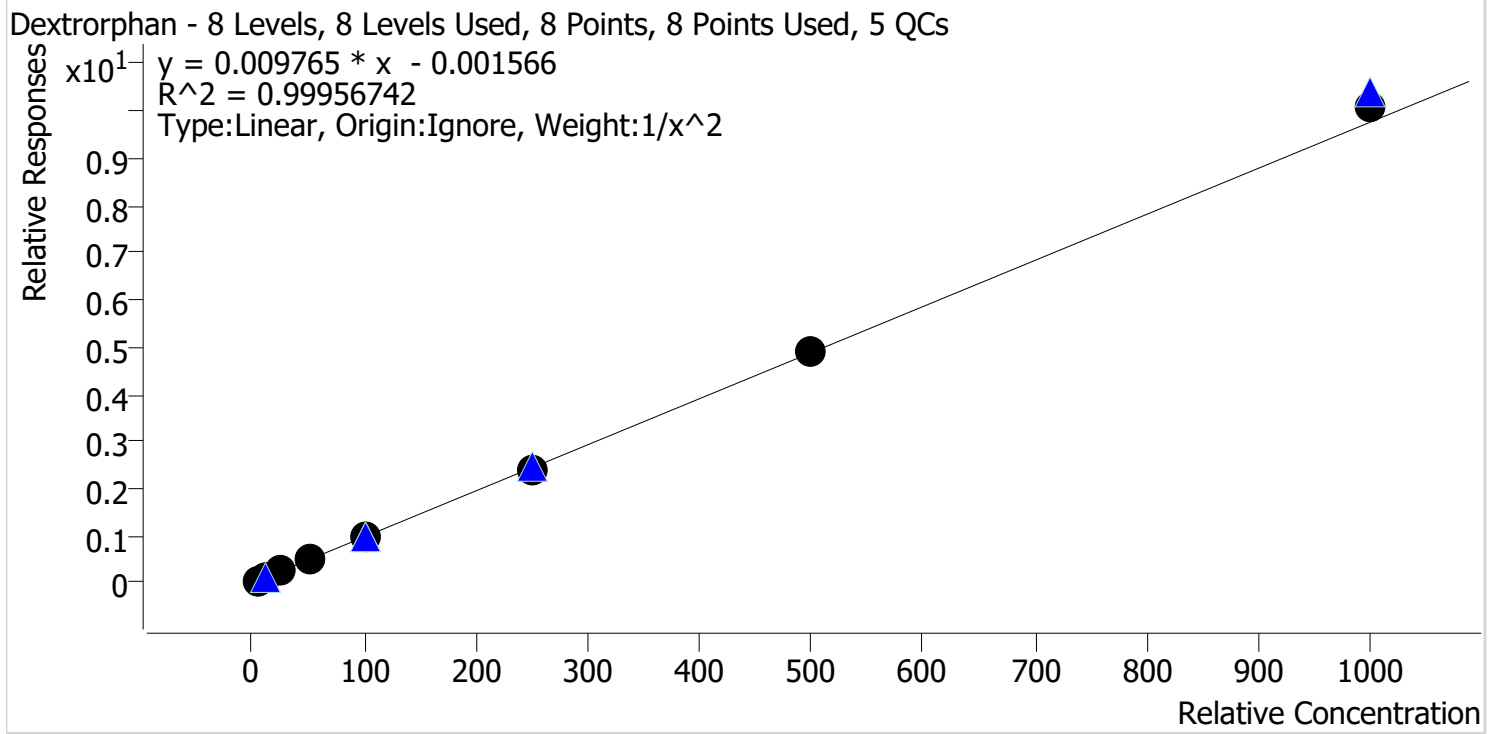
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ngr	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	513.2	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1009.7	101.0

ALH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Dextrophan Internal Standard Dextrophan-D3



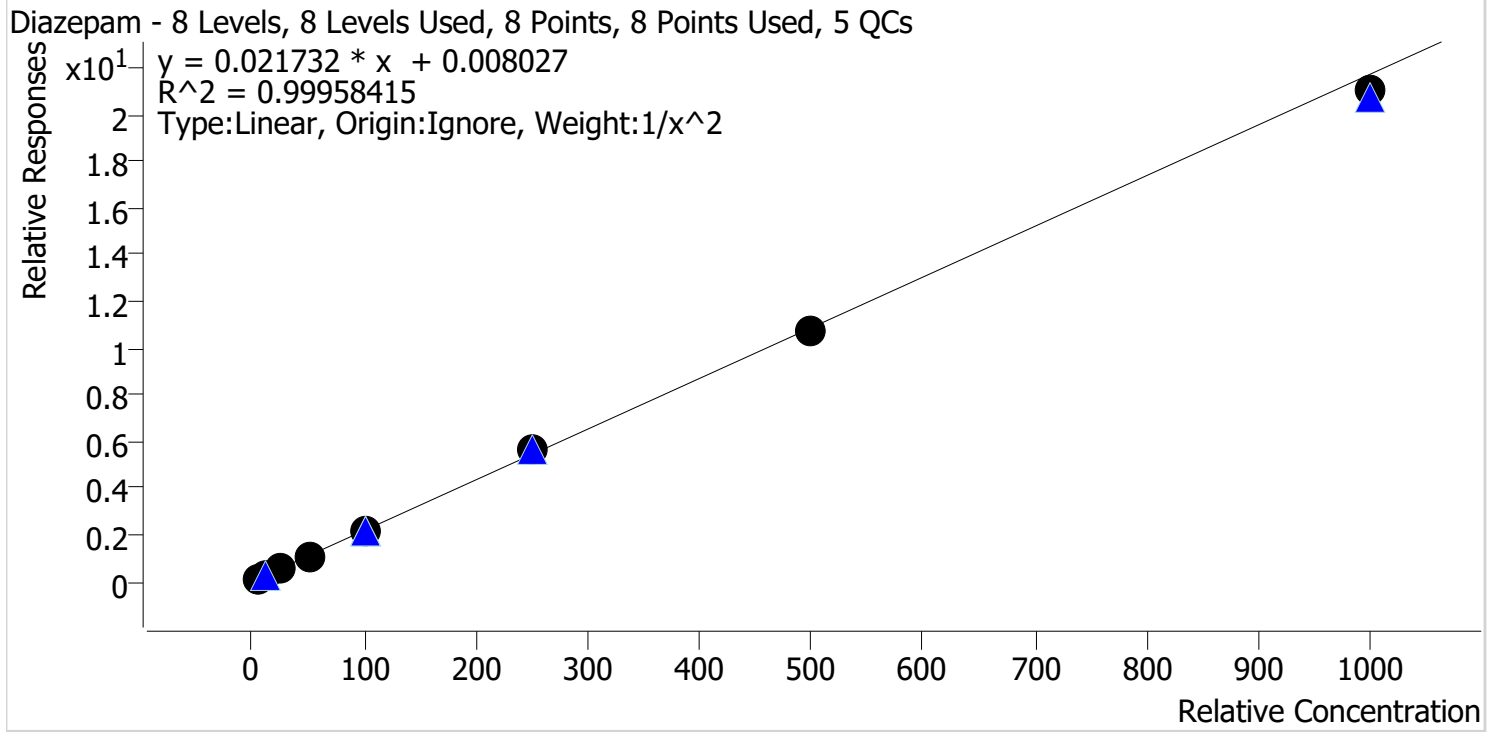
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ngr	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	501.3	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1032.3	103.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ngr	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	256.1	102.4
p1 Cal 7-500ng	7	✓	500.0	493.4	98.7
p1 Cal 8-1000ng	8	✓	1000.0	967.7	96.8

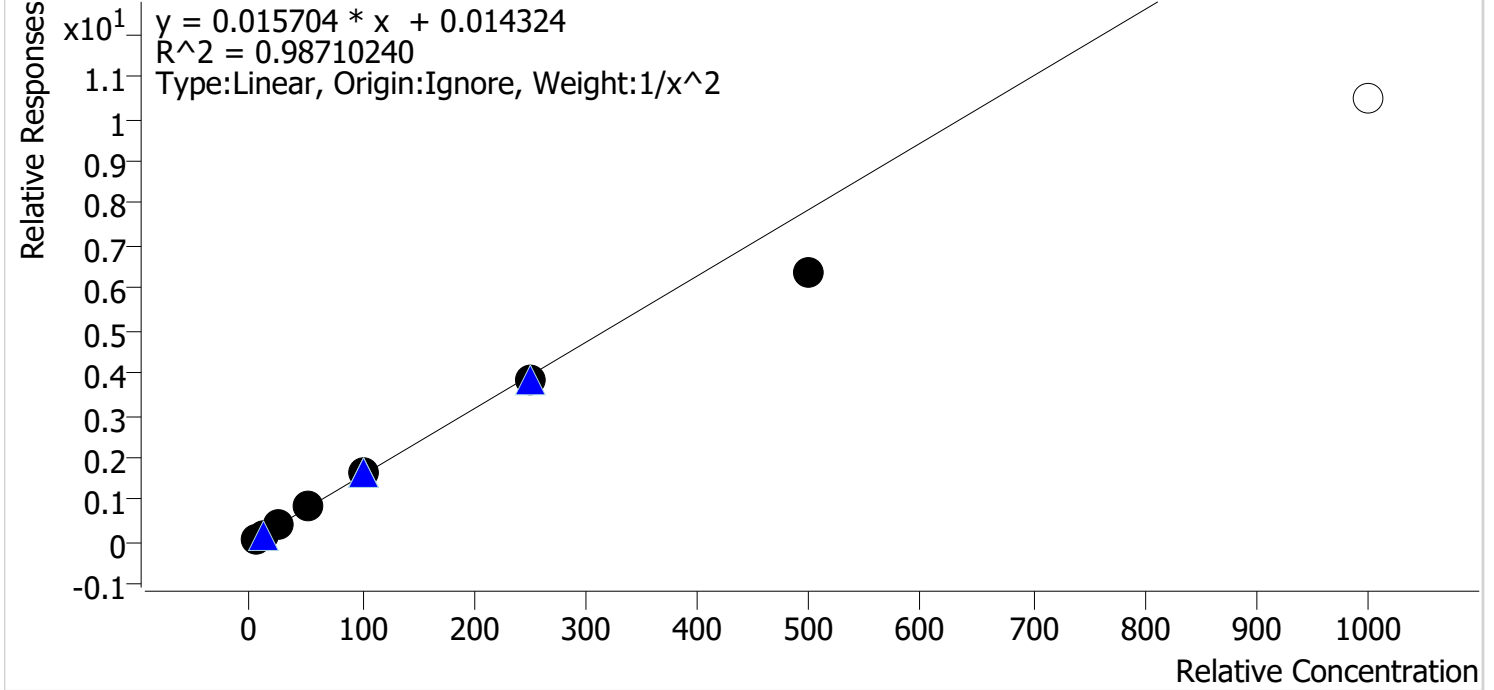
2/8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.0
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ngr	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	405.5	81.1
p1 Cal 8-1000ng	8	✗	1000.0	666.5	66.7

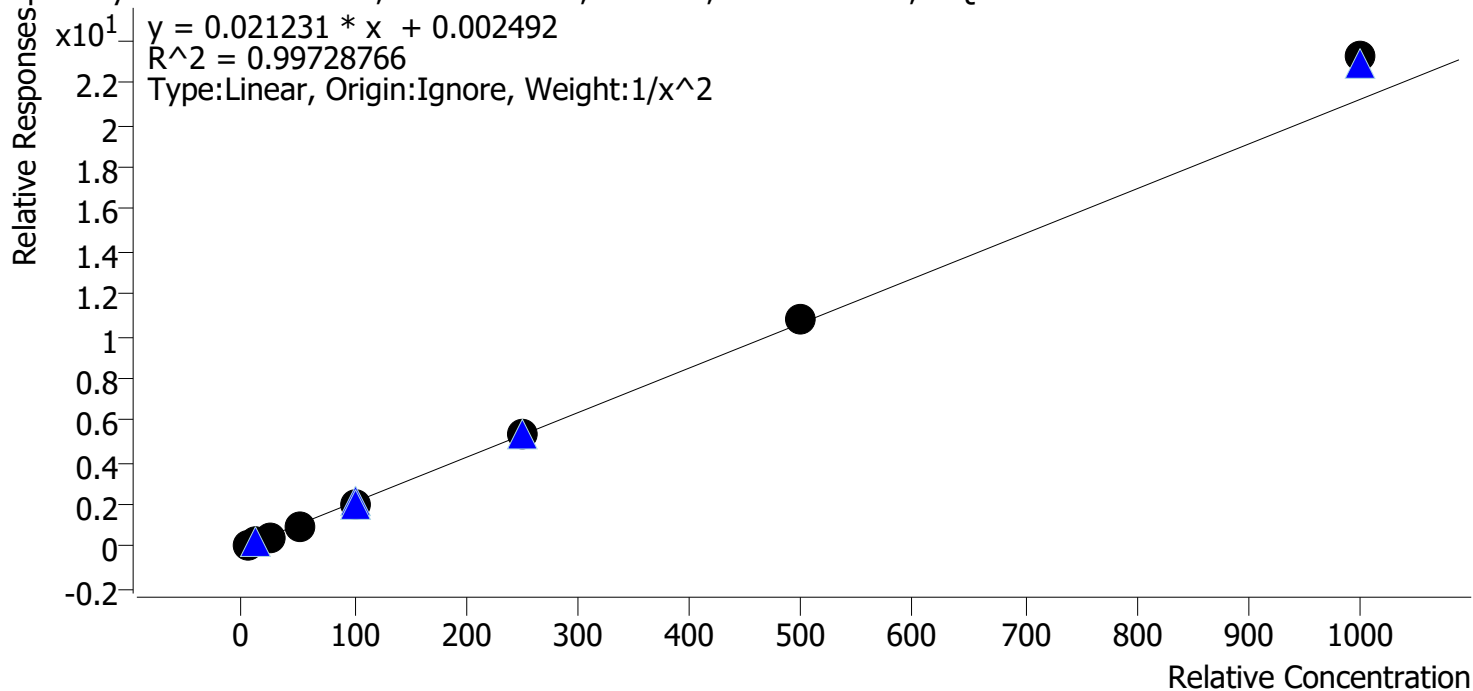
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

Diphenhydramine - 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	101.8
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ngr	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	506.3	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1095.5	109.6

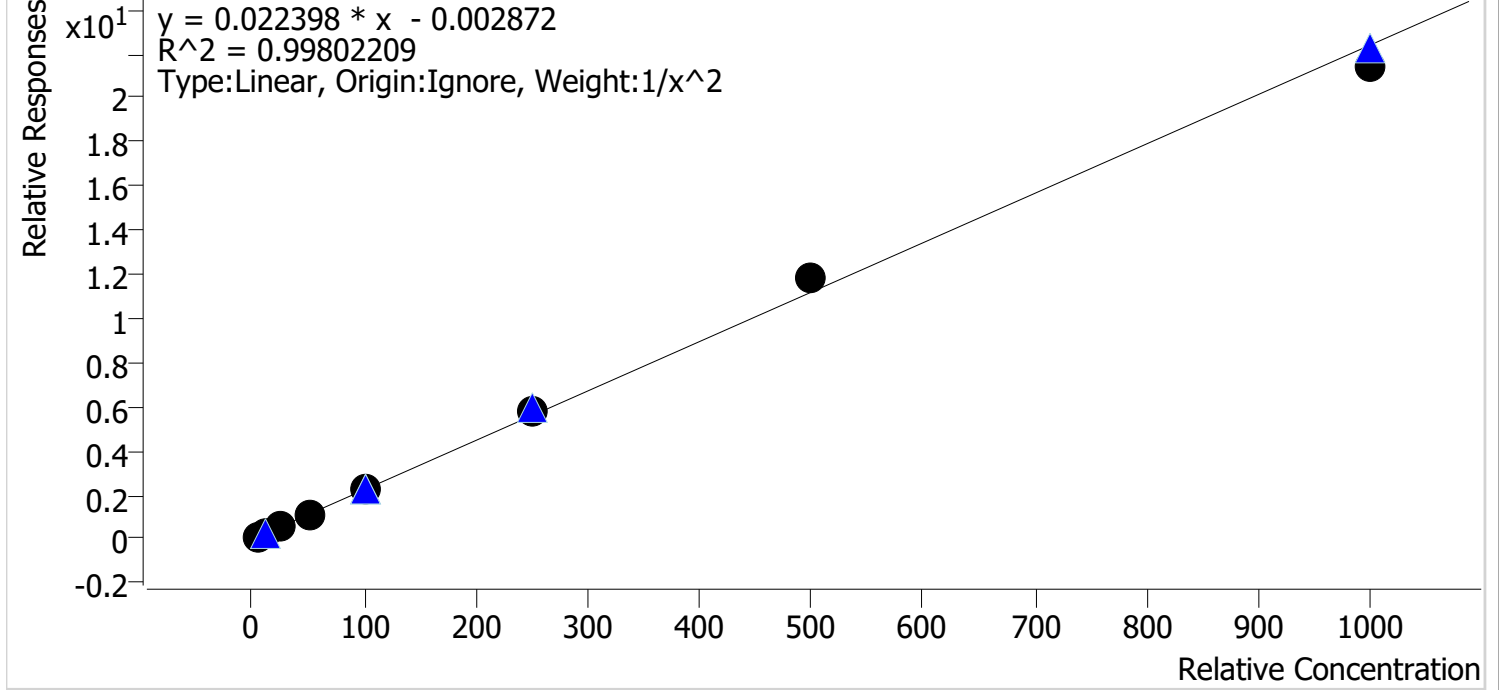
2/24



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Doxylamine **Internal Standard** Doxylamine-D5

Doxylamine - 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	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ngr	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	260.4	104.2
p1 Cal 7-500ng	7	✓	500.0	531.4	106.3
p1 Cal 8-1000ng	8	✓	1000.0	958.6	95.9

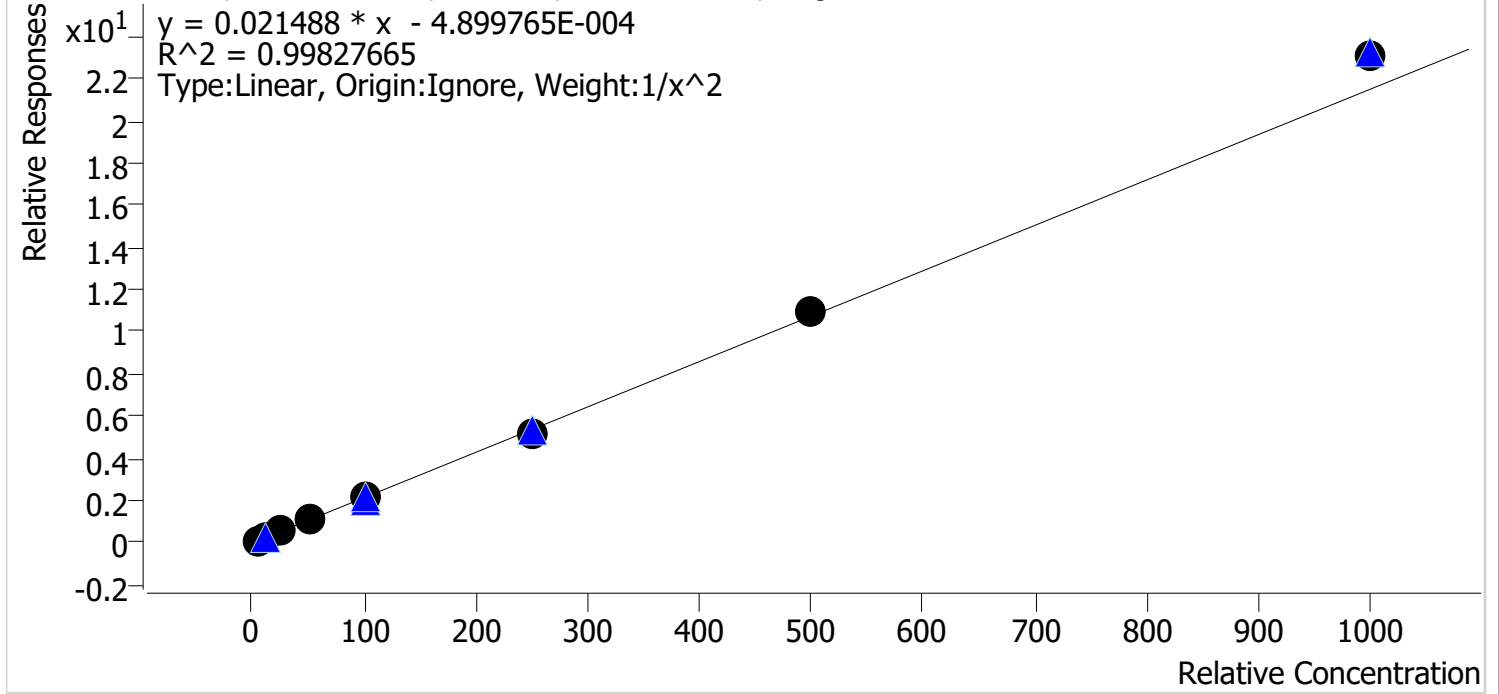
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte EDDP **Internal Standard** EDDP-D3

EDDP - 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	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ngr	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	241.2	96.5
p1 Cal 7-500ng	7	✓	500.0	512.9	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1073.1	107.3

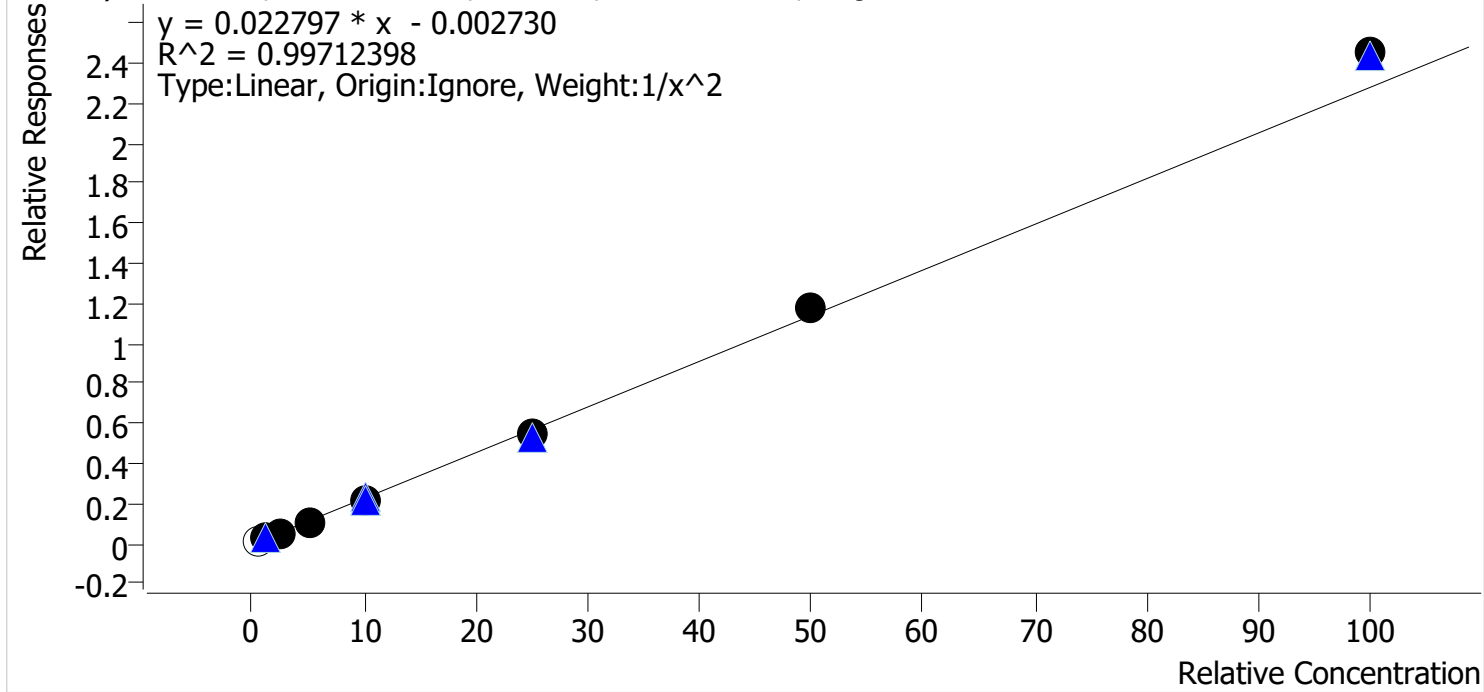
2/9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



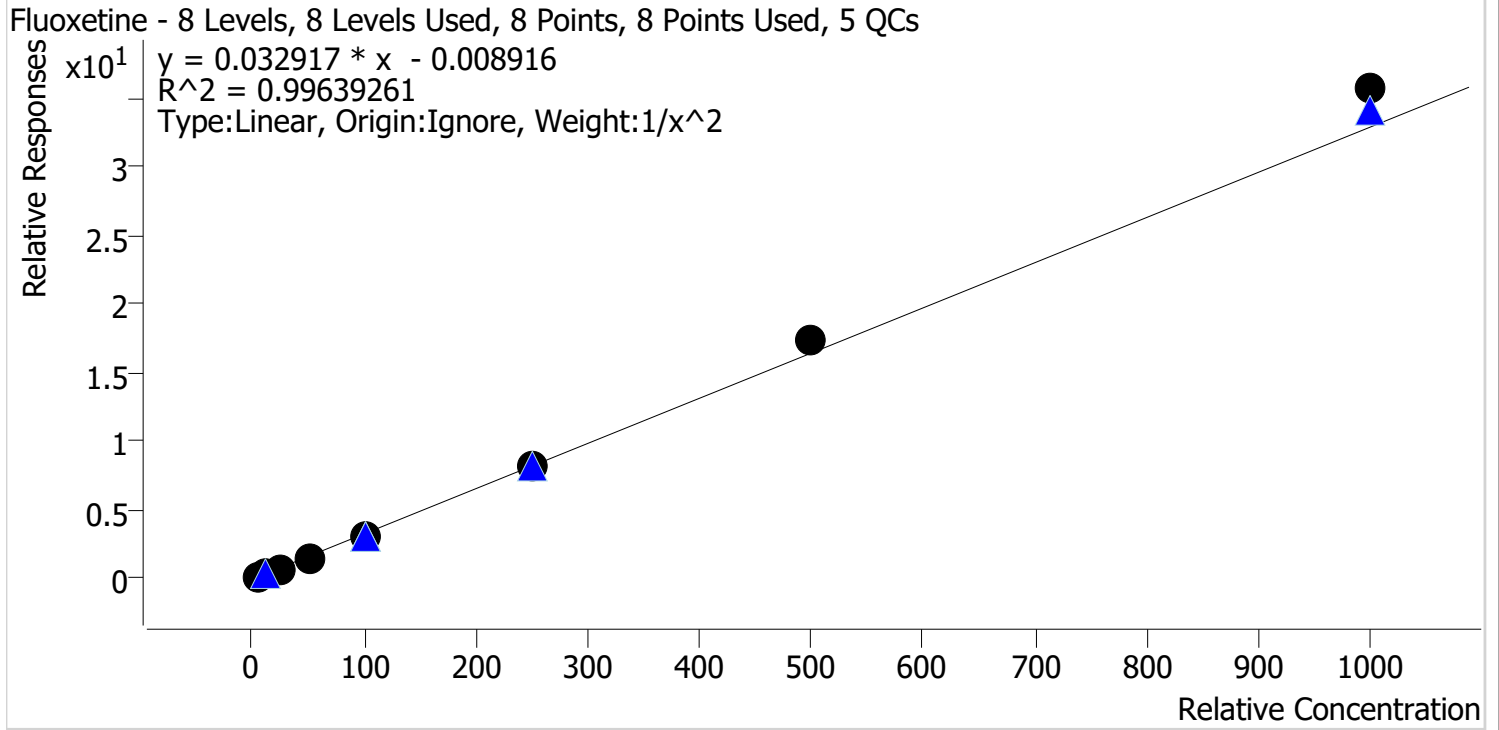
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.7	142.8
p1 Cal 2-10ng	2	✓	1.0	1.0	102.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.9
p1 Cal 4-50ng	4	✓	5.0	4.7	94.6
p1 Cal 5-100ngr	5	✓	10.0	9.9	99.1
p1 Cal 6-250ng	6	✓	25.0	24.0	96.2
p1 Cal 7-500ng	7	✓	50.0	51.6	103.1
p1 Cal 8-1000ng	8	✓	100.0	107.6	107.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



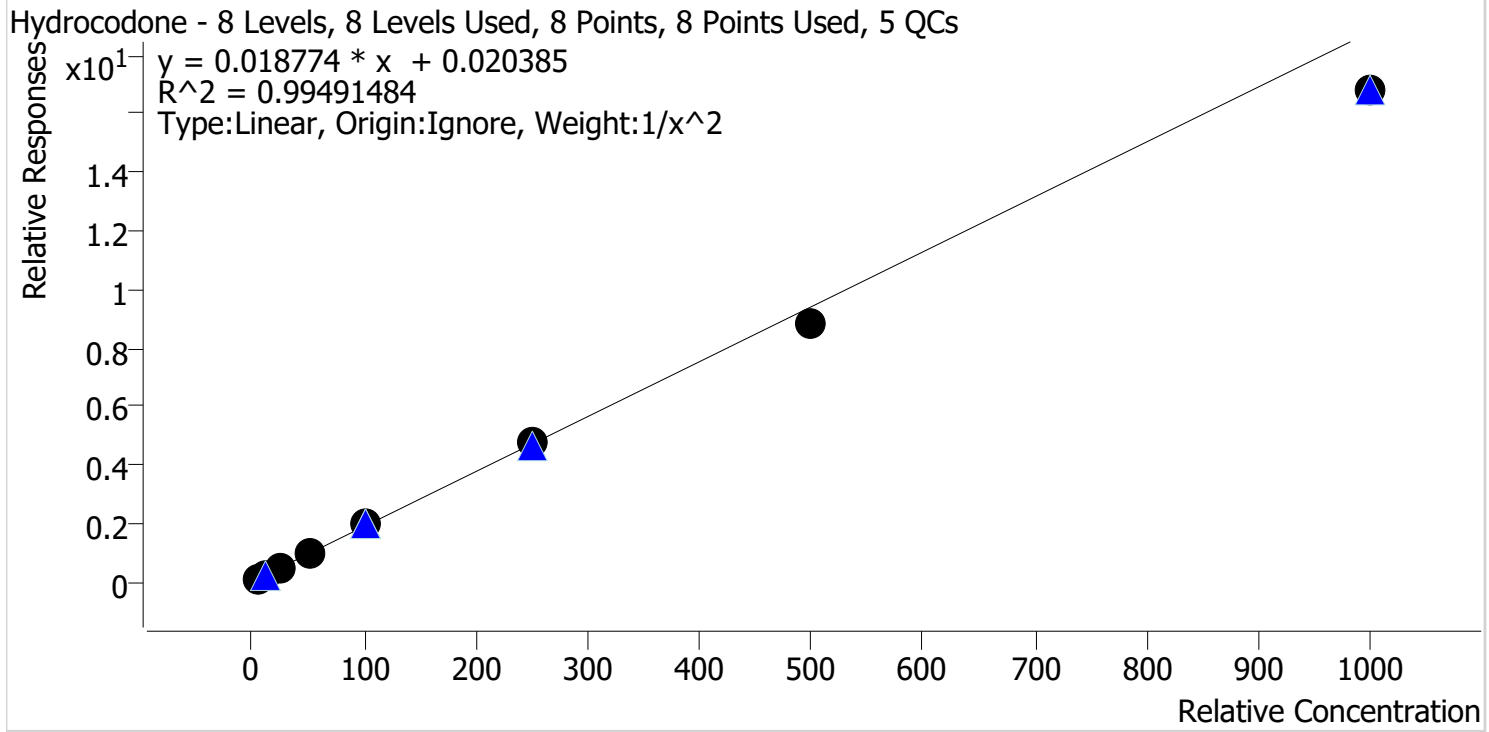
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	47.0	94.0
p1 Cal 5-100ngr	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	529.0	105.8
p1 Cal 8-1000ng	8	✓	1000.0	1085.3	108.5

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ngr	5	✓	100.0	107.8	107.8
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	467.7	93.5
p1 Cal 8-1000ng	8	✓	1000.0	893.5	89.3

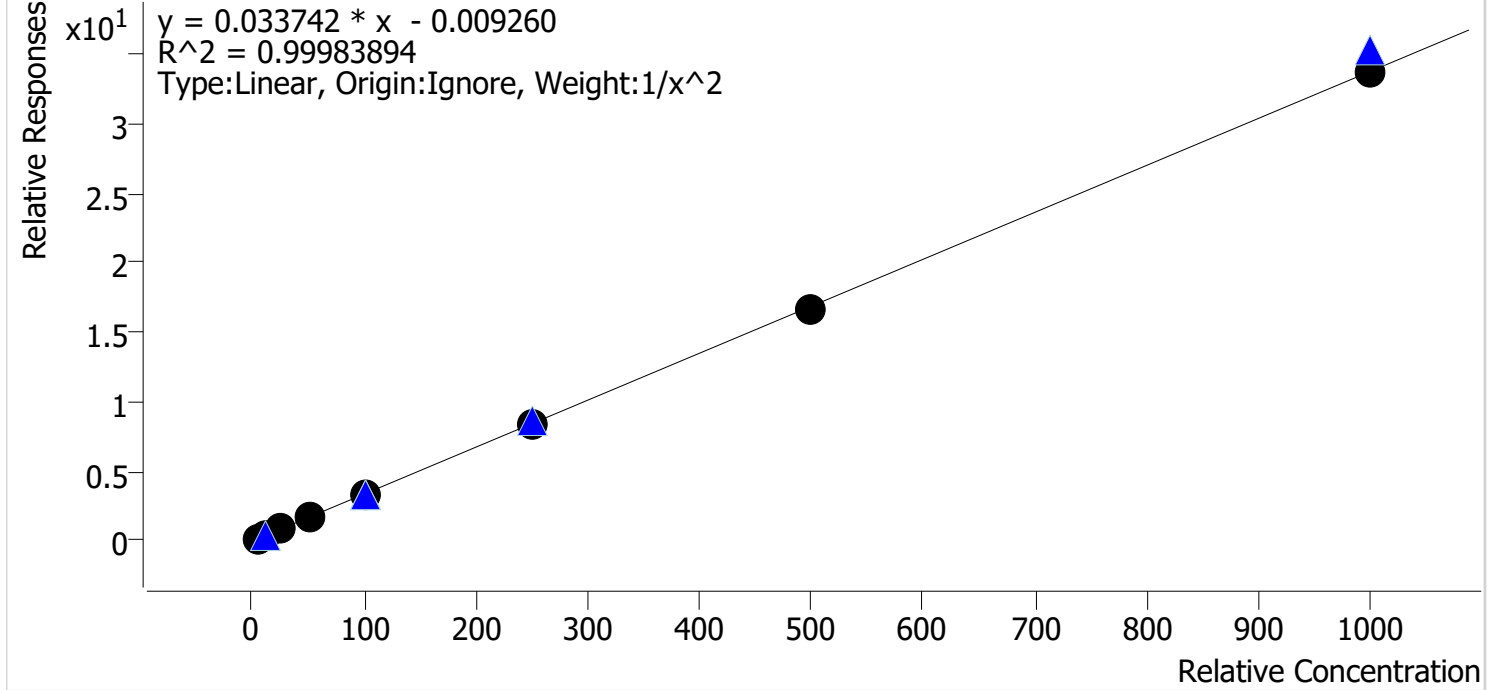
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



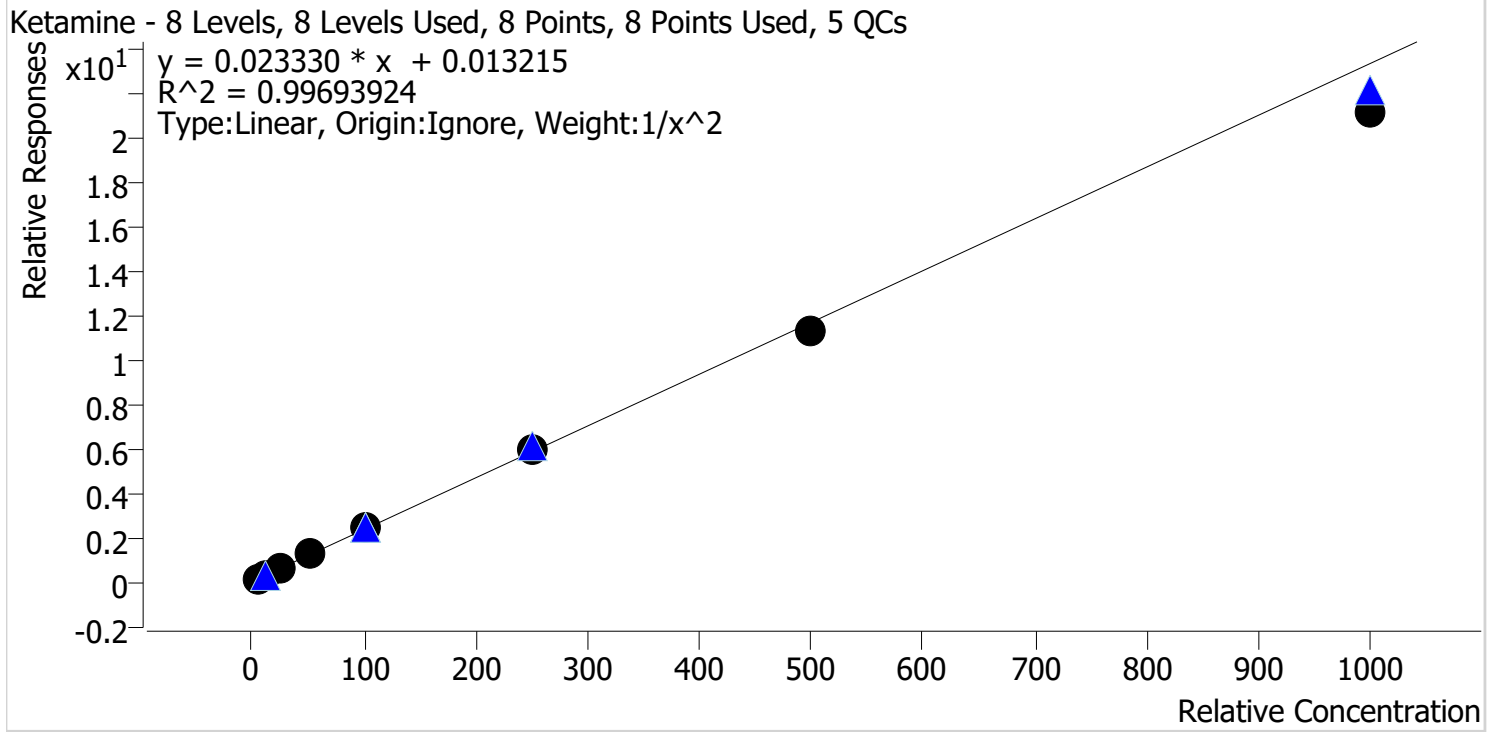
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ngr	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	497.1	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1000.6	100.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Ketamine **Internal Standard** Ketamine-D4



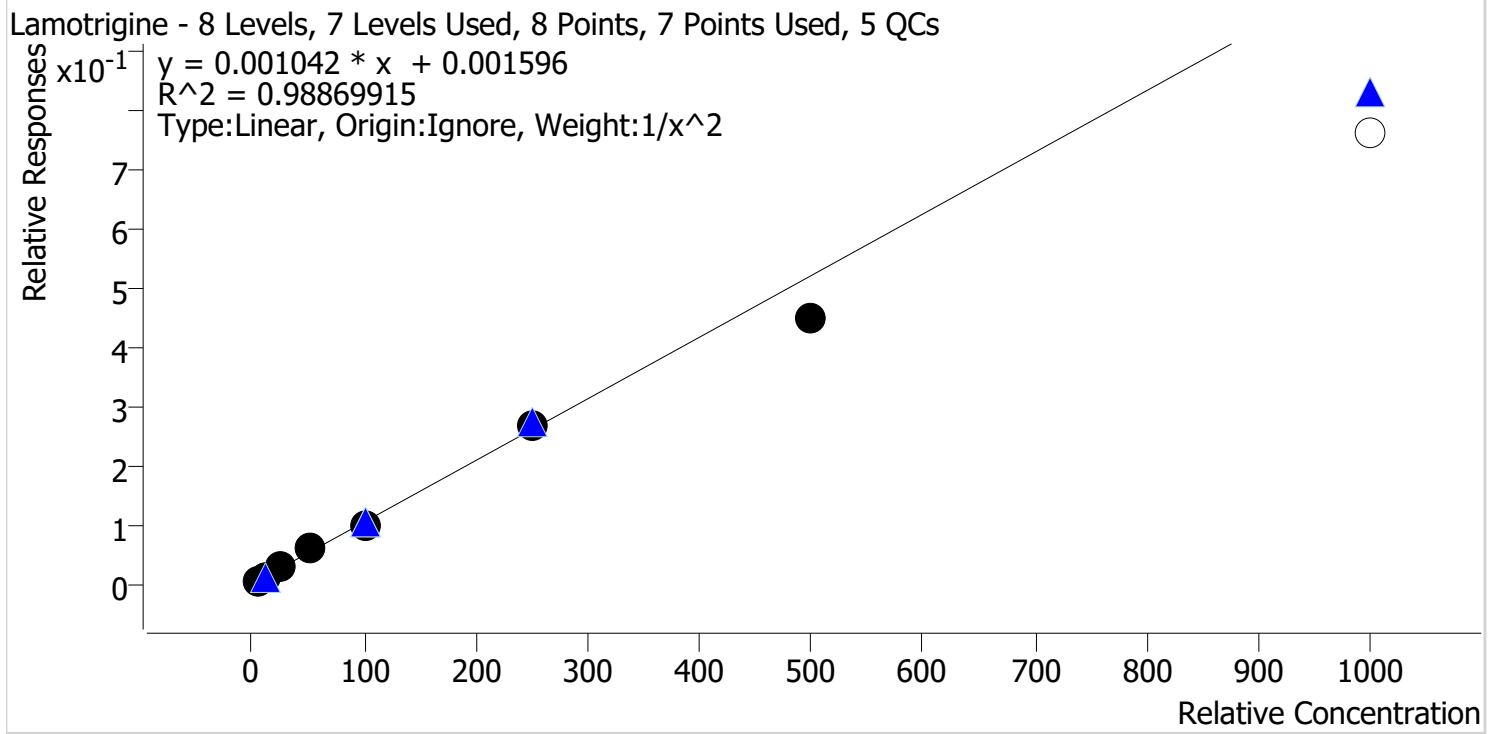
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ngr	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	481.7	96.3
p1 Cal 8-1000ng	8	✓	1000.0	906.3	90.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Lamotrigine **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.3
p1 Cal 4-50ng	4	✓	50.0	55.4	110.8
p1 Cal 5-100ngr	5	✓	100.0	91.8	91.8
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	431.6	86.3
p1 Cal 8-1000ng	8	✗	1000.0	733.8	73.4

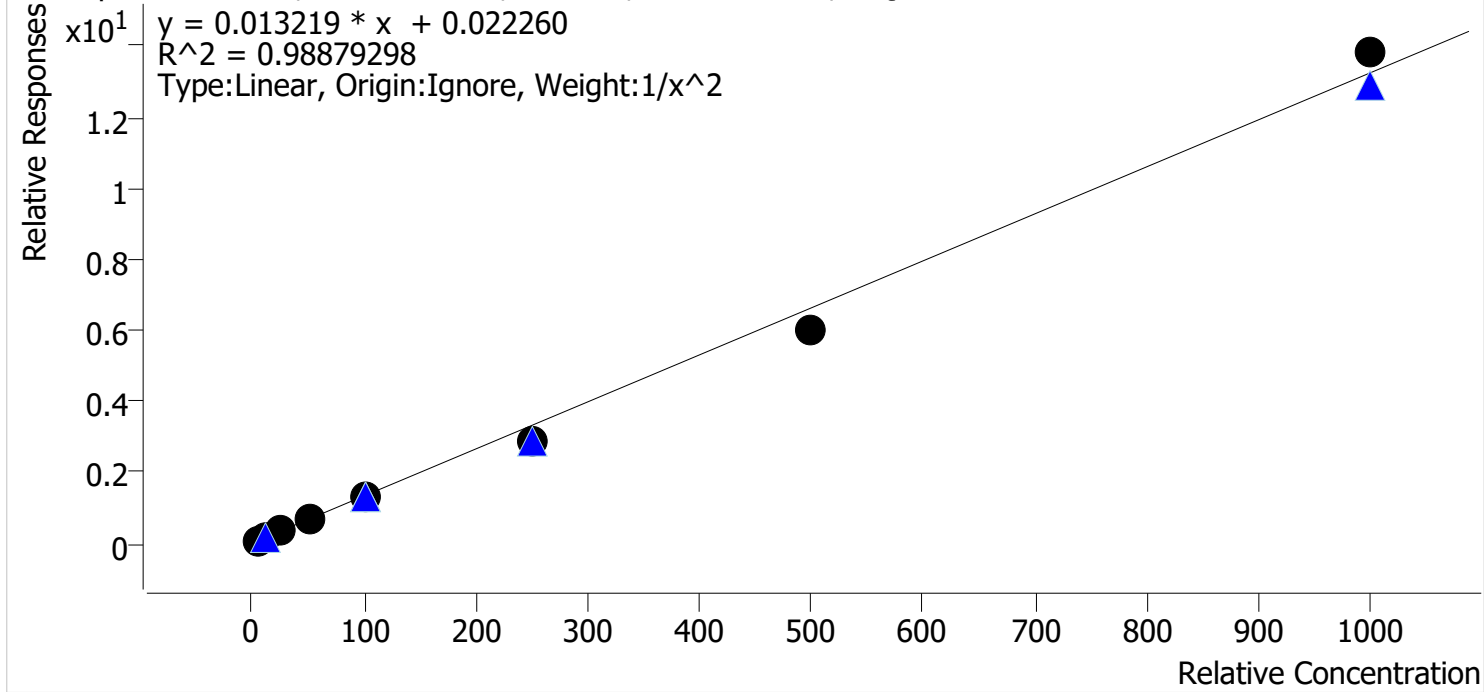
2/24



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Lorazepam **Internal Standard** Oxazepam-D5

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



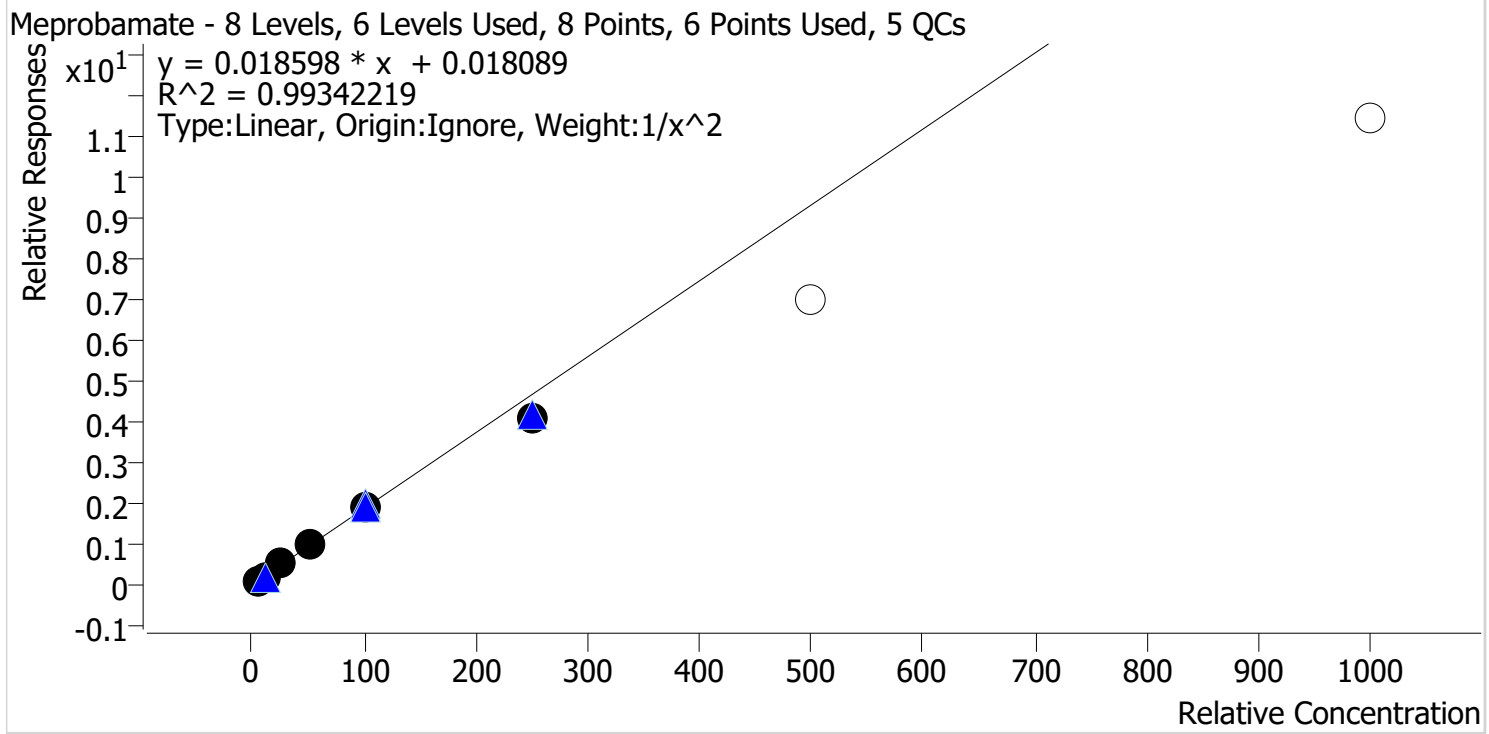
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	92.3
p1 Cal 2-10ng	2	✓	10.0	11.1	110.6
p1 Cal 3 -25ng	3	✓	25.0	27.9	111.5
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ngr	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	217.9	87.2
p1 Cal 7-500ng	7	✓	500.0	452.1	90.4
p1 Cal 8-1000ng	8	✓	1000.0	1043.1	104.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Meprobamate **Internal Standard** Meprobamate-D7



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	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	52.1	104.3
p1 Cal 5-100ngr	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	220.1	88.0
p1 Cal 7-500ng	7	x	500.0	377.3	75.5
p1 Cal 8-1000ng	8	x	1000.0	615.9	61.6

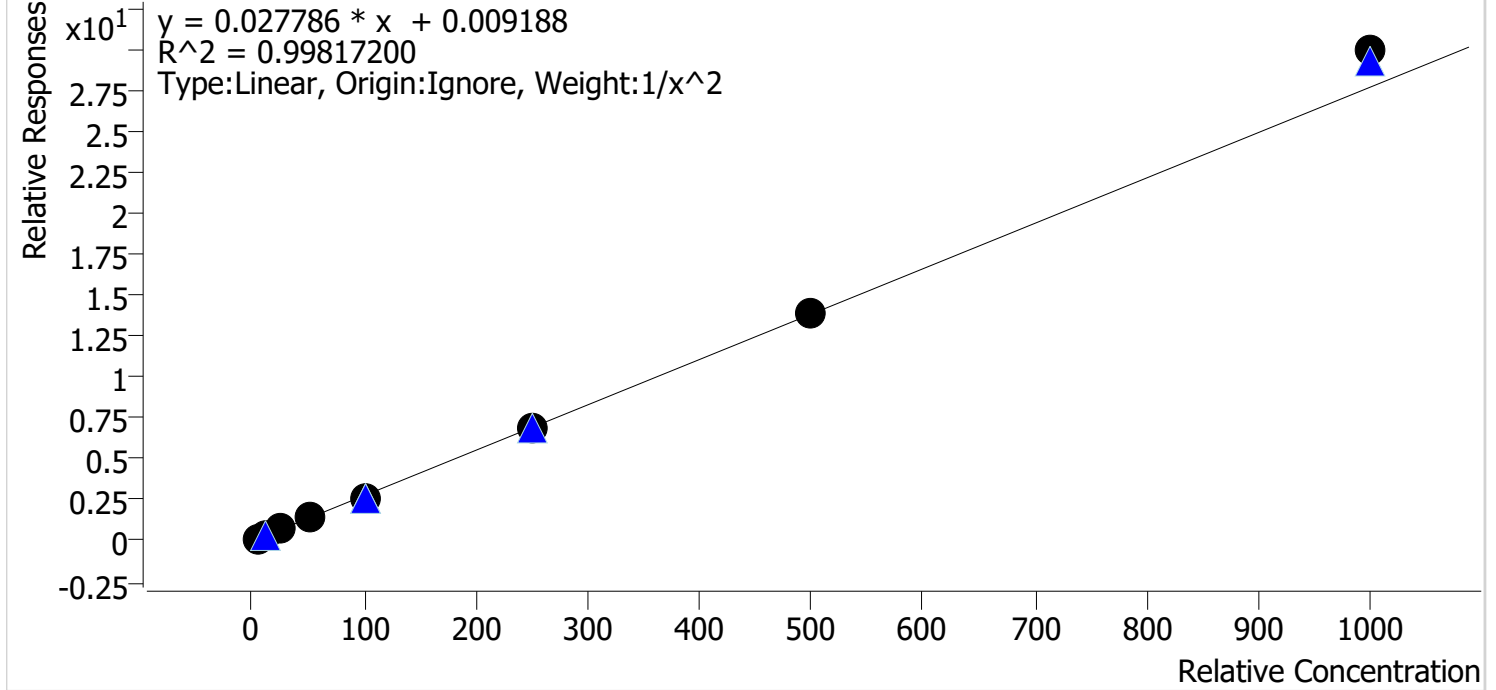
214



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Methadone **Internal Standard** Methadone-D9

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



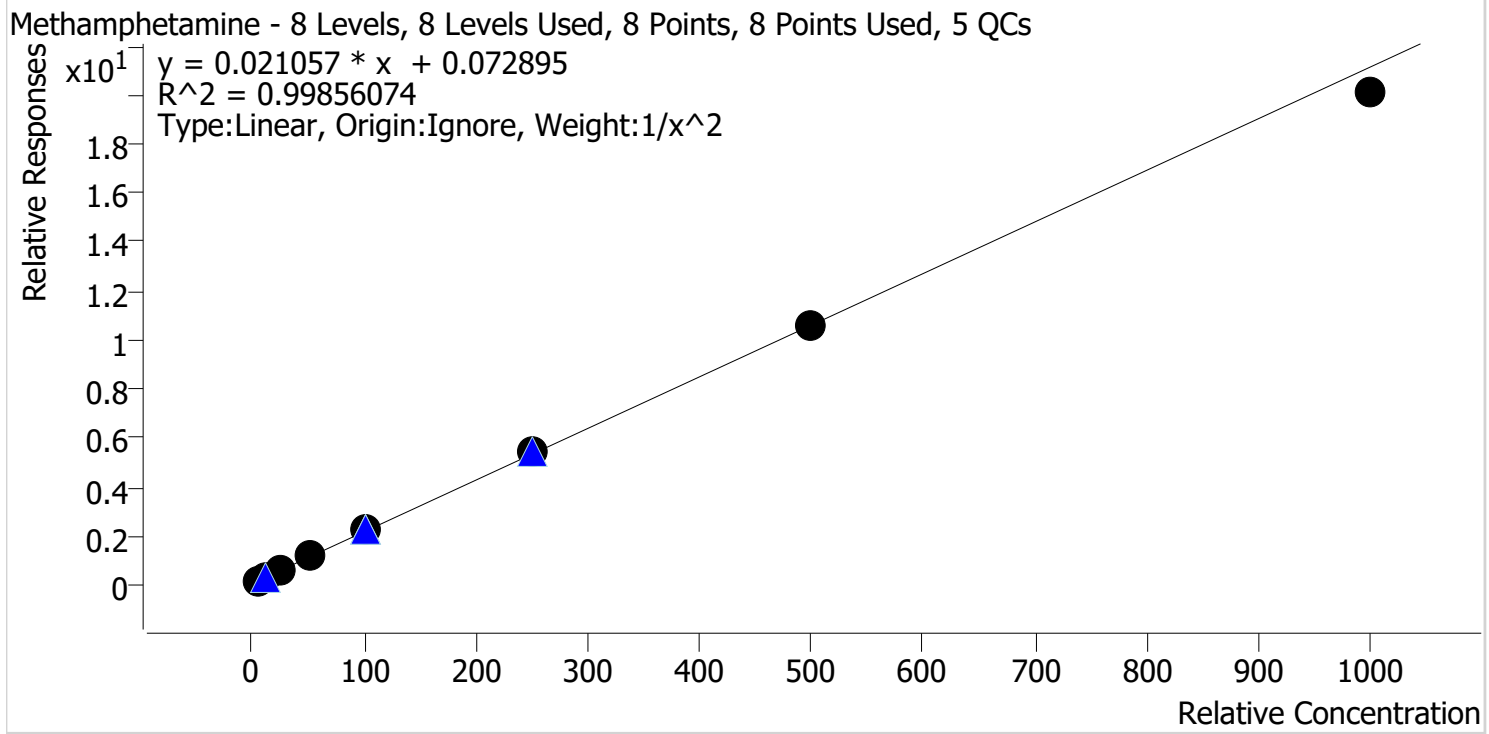
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ngr	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	499.7	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1080.6	108.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ngr	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	257.3	102.9
p1 Cal 7-500ng	7	✓	500.0	502.6	100.5
p1 Cal 8-1000ng	8	✓	1000.0	950.6	95.1

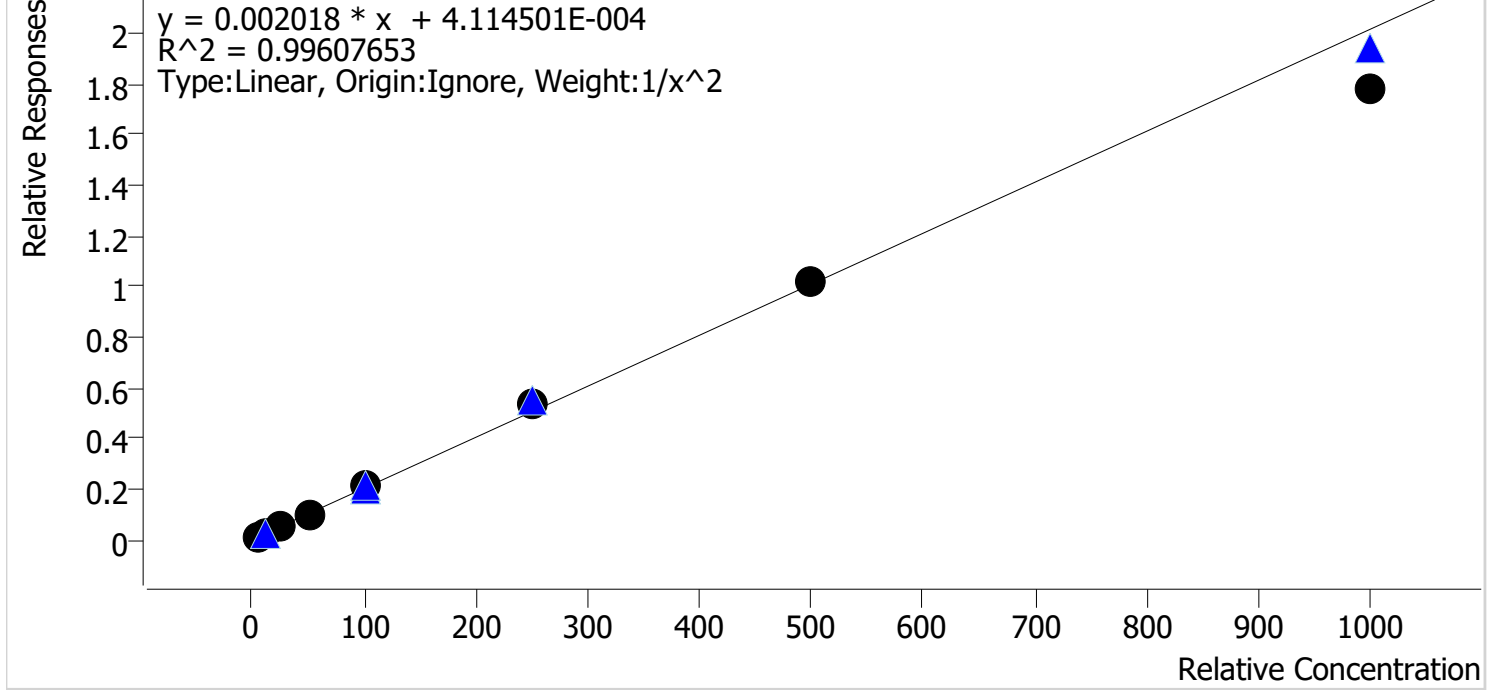
2/8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
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	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ngr	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	262.7	105.1
p1 Cal 7-500ng	7	✓	500.0	502.0	100.4
p1 Cal 8-1000ng	8	✓	1000.0	881.5	88.1

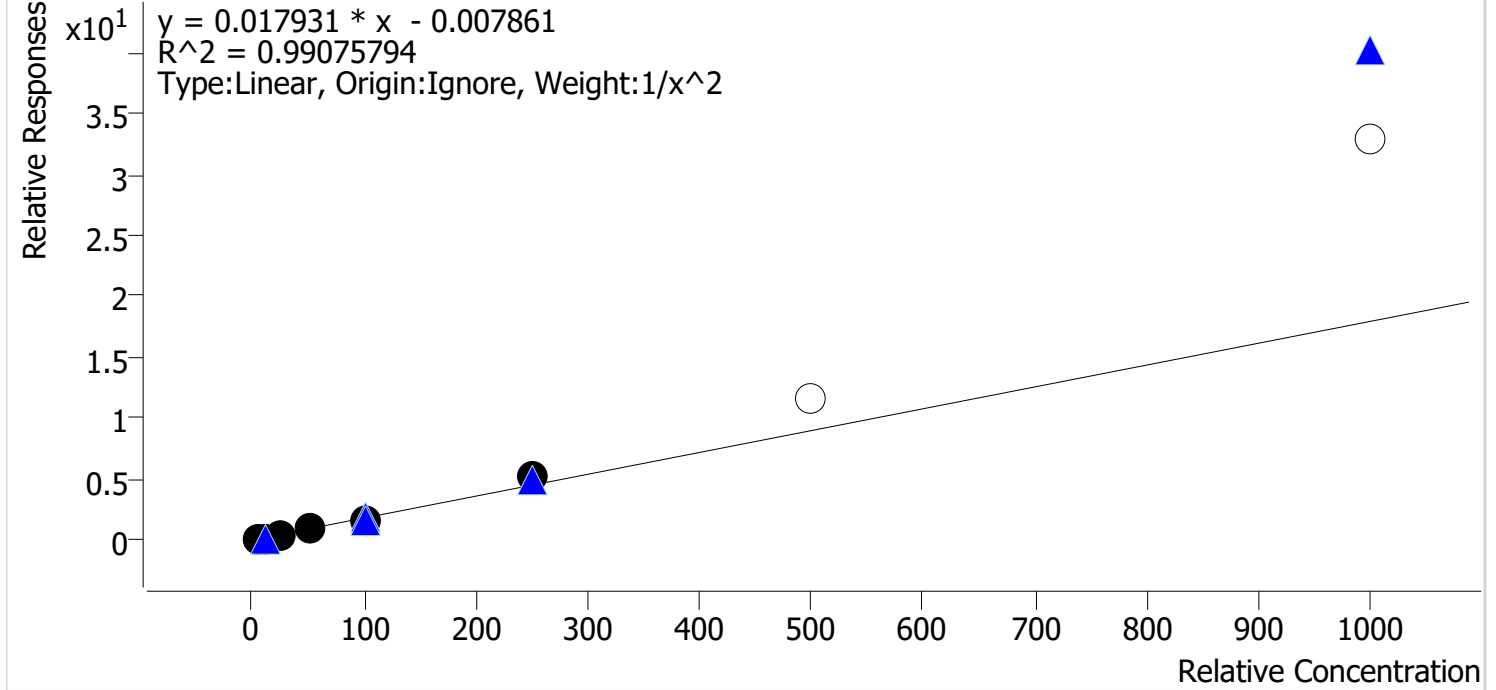
214



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Mirtazapine **Internal Standard** alpha-PVP-D8

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



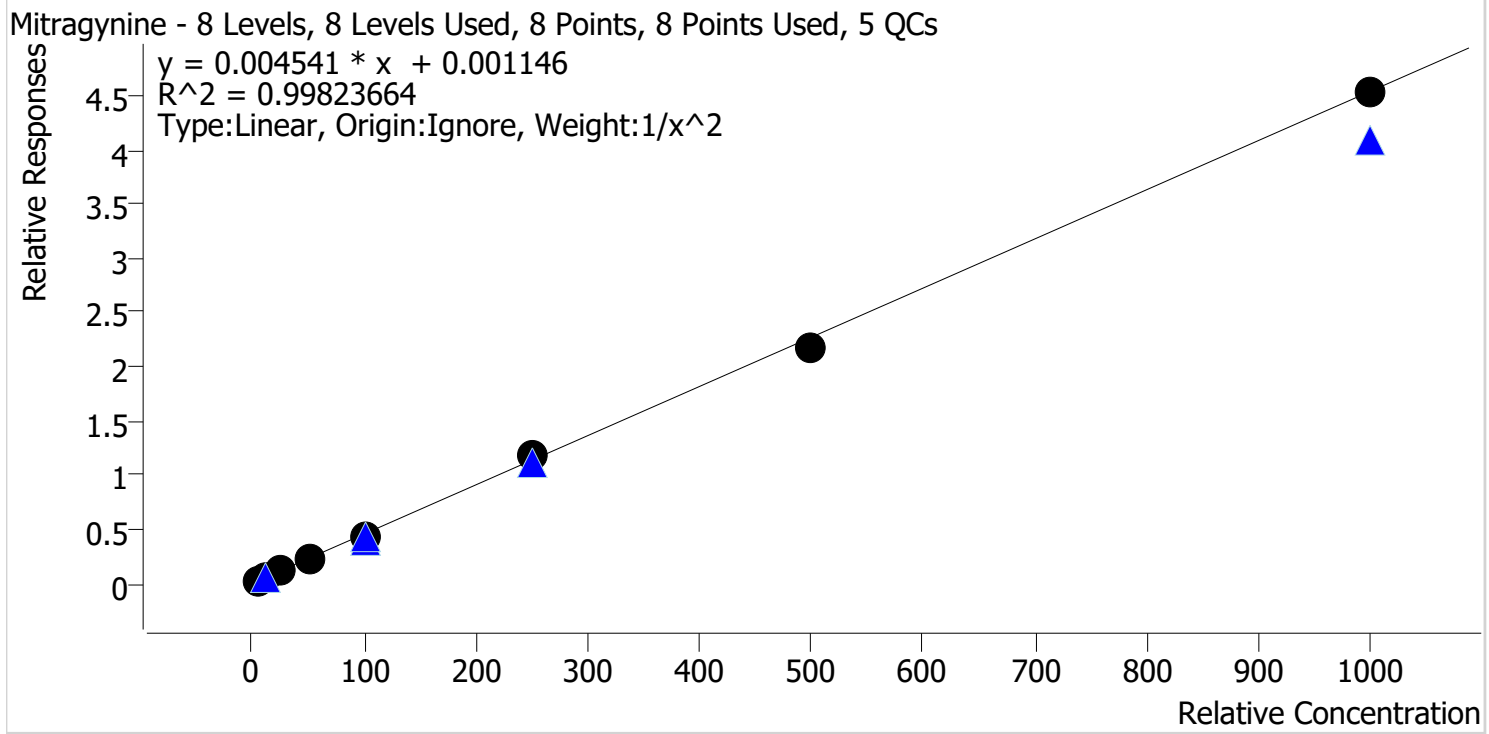
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ngr	5	✓	100.0	88.8	88.8
p1 Cal 6-250ng	6	✓	250.0	282.4	113.0
p1 Cal 7-500ng	7	x	500.0	648.9	129.8
p1 Cal 8-1000ng	8	x	1000.0	1840.5	184.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Mitragynine **Internal Standard** Methadone-D9



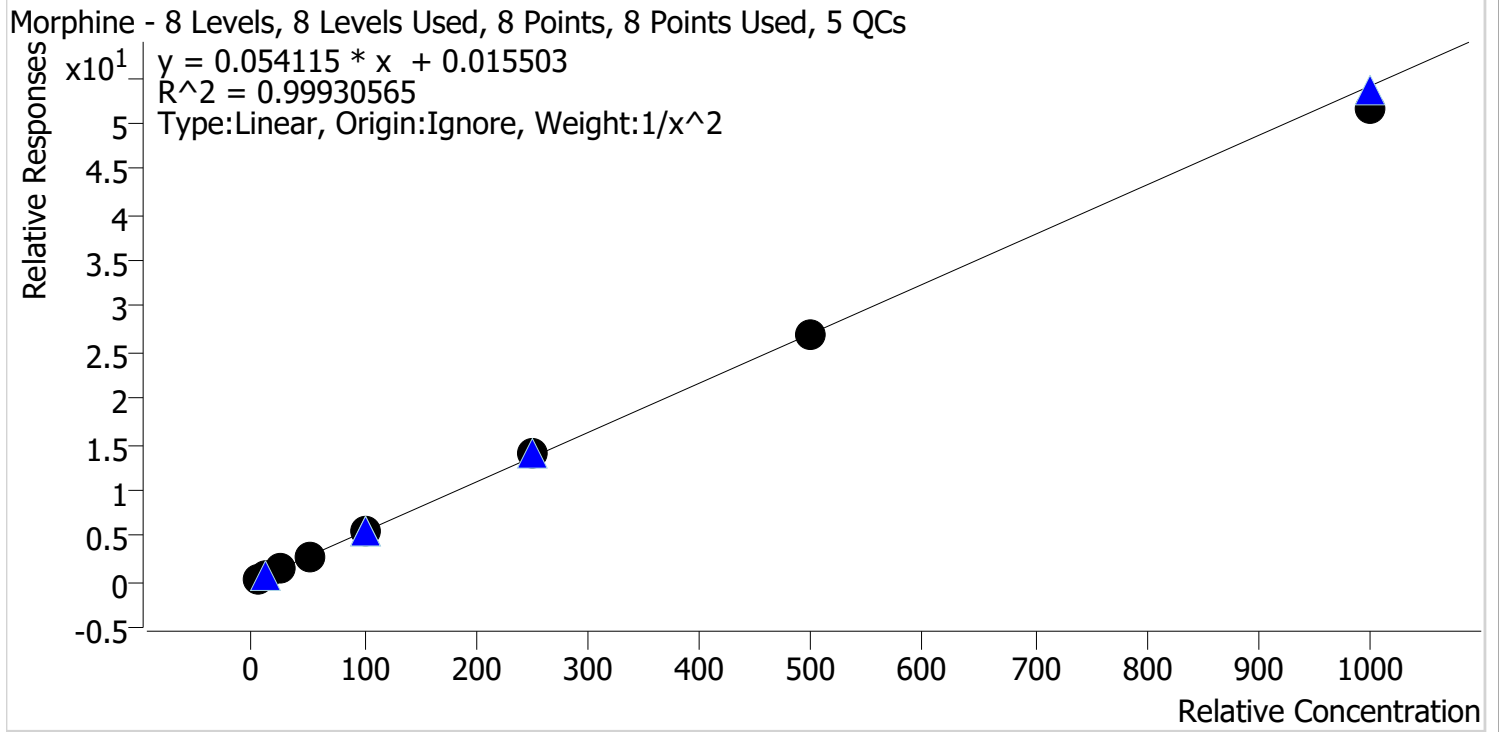
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ngr	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	256.7	102.7
p1 Cal 7-500ng	7	✓	500.0	478.1	95.6
p1 Cal 8-1000ng	8	✓	1000.0	997.5	99.8

ALH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ngr	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	953.2	95.3

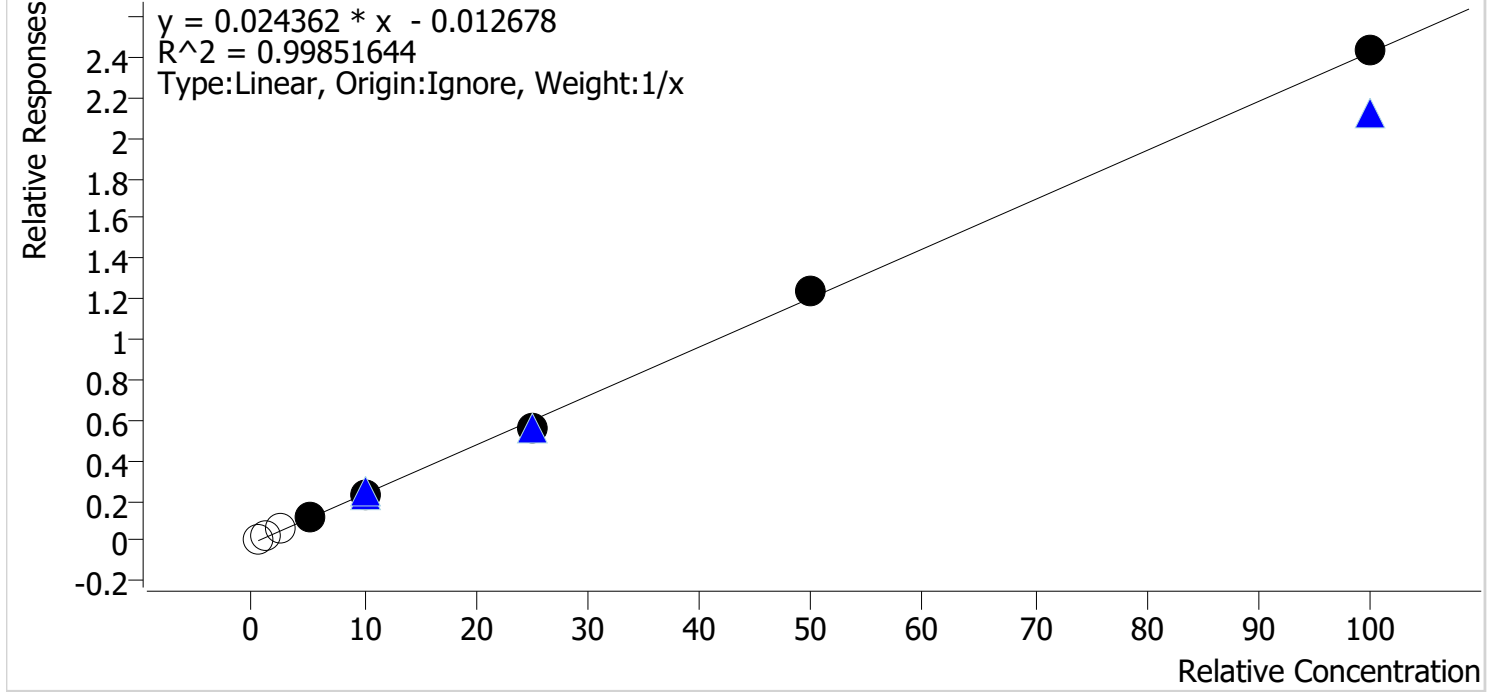
214



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.9	185.0
p1 Cal 2-10ng	2	x	1.0	1.4	139.4
p1 Cal 3 -25ng	3	x	2.5	3.1	124.3
p1 Cal 4-50ng	4	✓	5.0	5.3	105.5
p1 Cal 5-100ngr	5	✓	10.0	9.9	98.8
p1 Cal 6-250ng	6	✓	25.0	23.2	92.8
p1 Cal 7-500ng	7	✓	50.0	51.3	102.6
p1 Cal 8-1000ng	8	✓	100.0	100.4	100.4

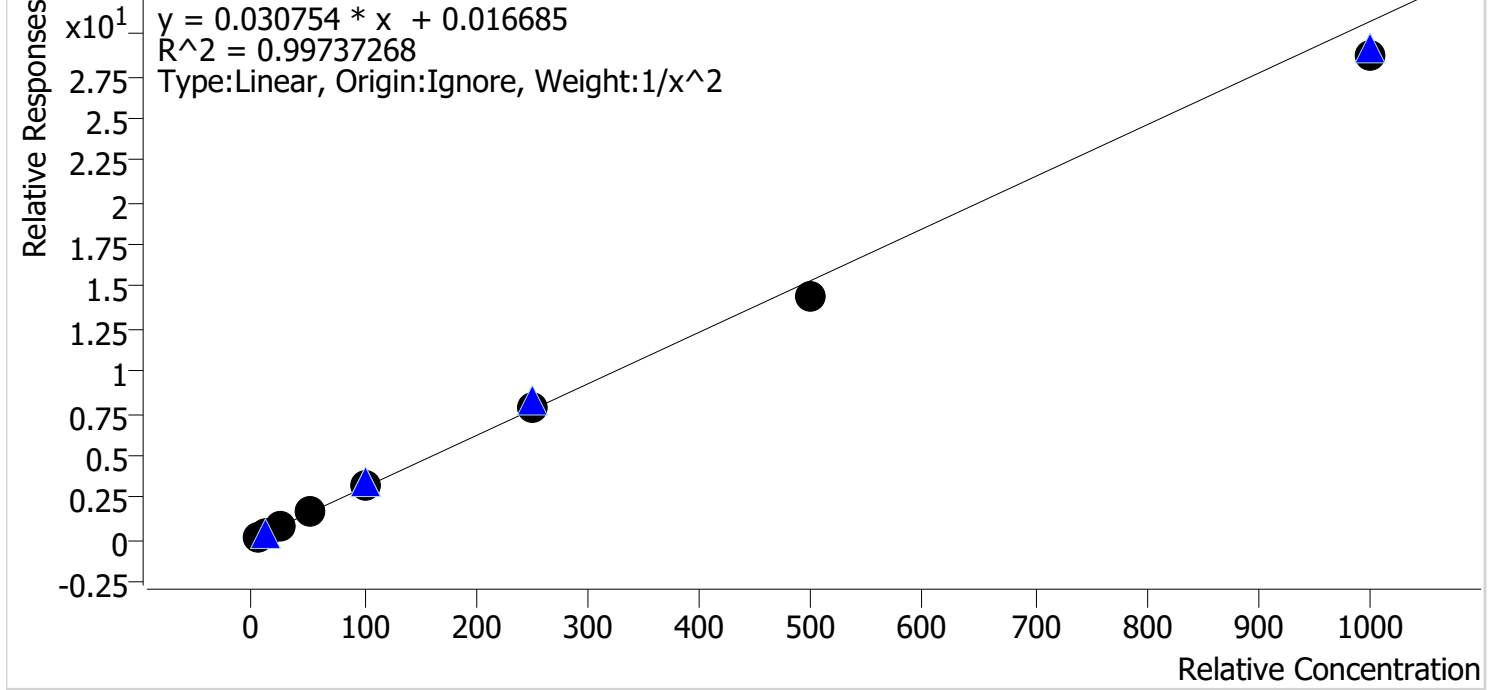
2/24



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Nordiazepam Internal Standard Nordiazepam-D5

Nordiazepam - 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	98.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ngr	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	469.8	94.0
p1 Cal 8-1000ng	8	✓	1000.0	931.5	93.2

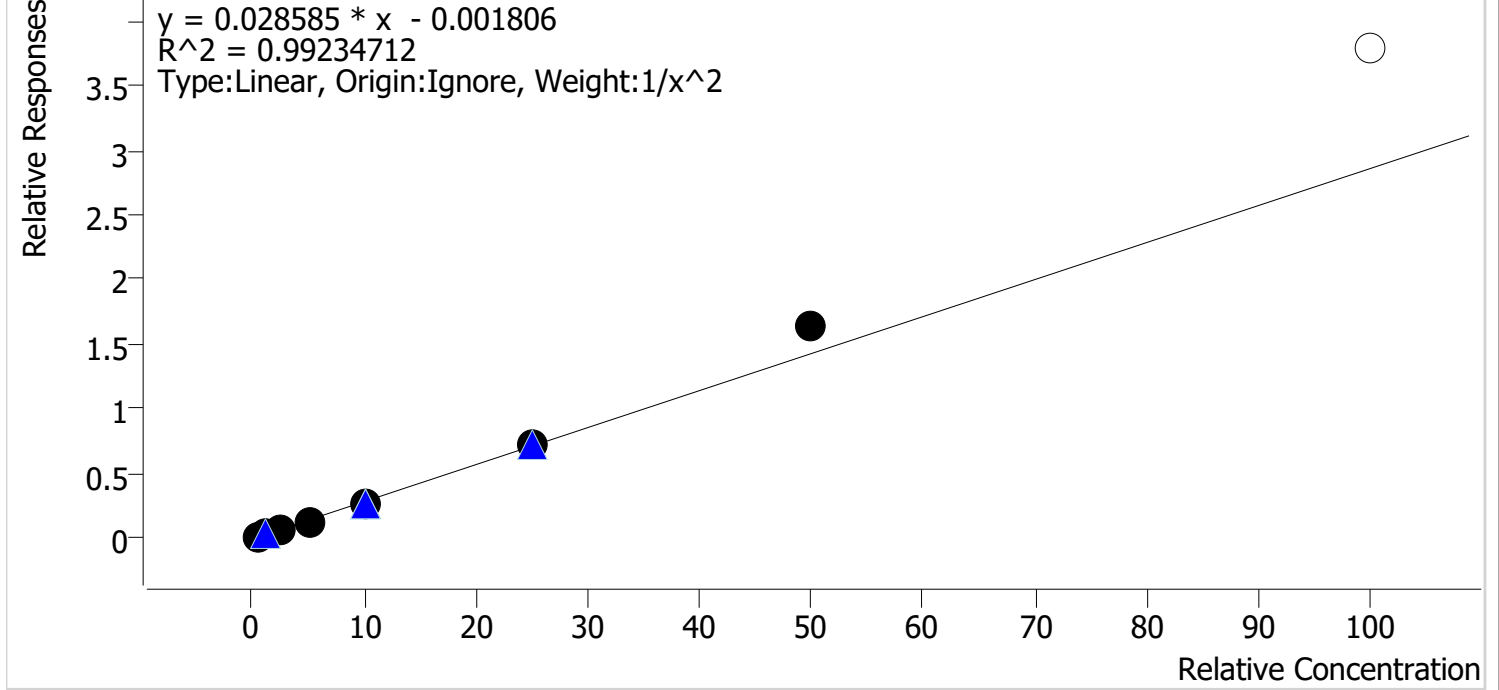
2/8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Norfentanyl Internal Standard Norfentanyl-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.0
p1 Cal 2-10ng	2	✓	1.0	1.0	98.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.0
p1 Cal 4-50ng	4	✓	5.0	4.6	92.6
p1 Cal 5-100ngr	5	✓	10.0	9.6	95.9
p1 Cal 6-250ng	6	✓	25.0	25.6	102.2
p1 Cal 7-500ng	7	✓	50.0	57.2	114.3
p1 Cal 8-1000ng	8	x	100.0	132.4	132.4

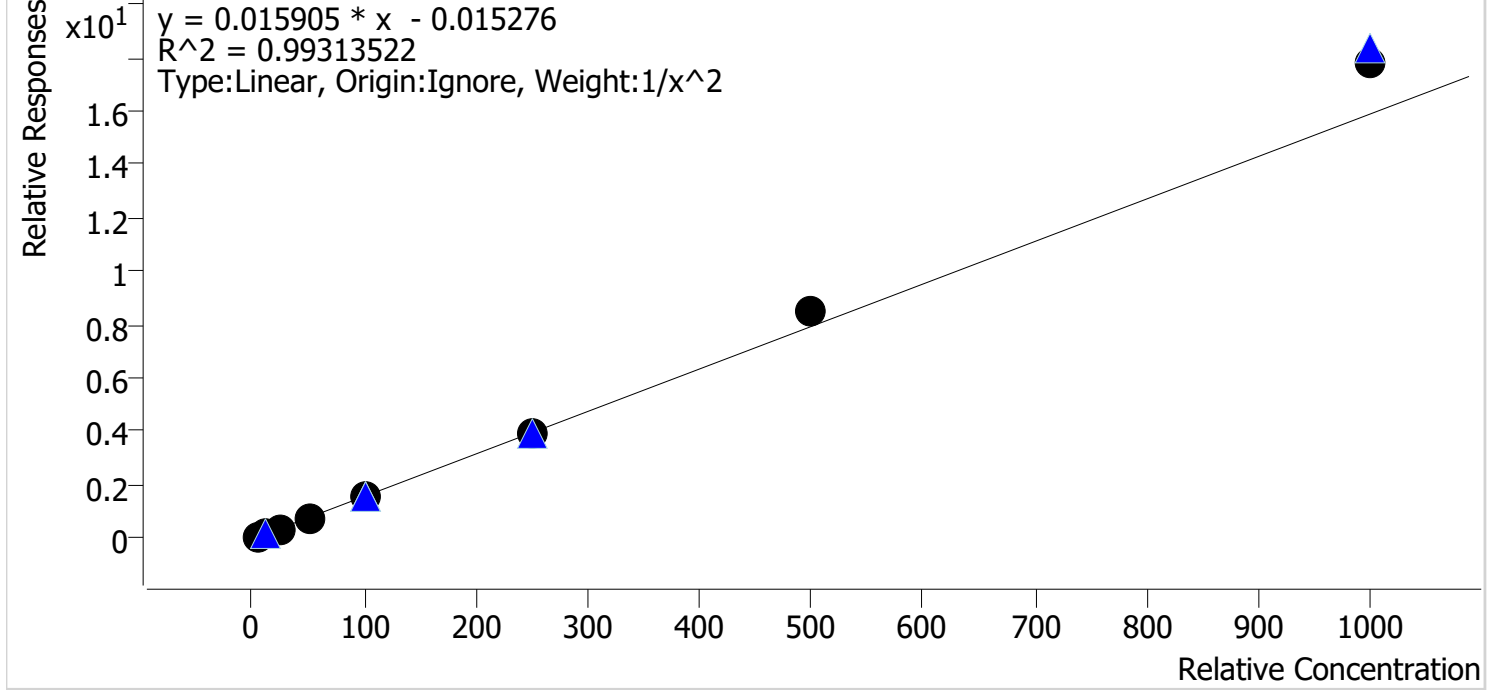
2/24



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



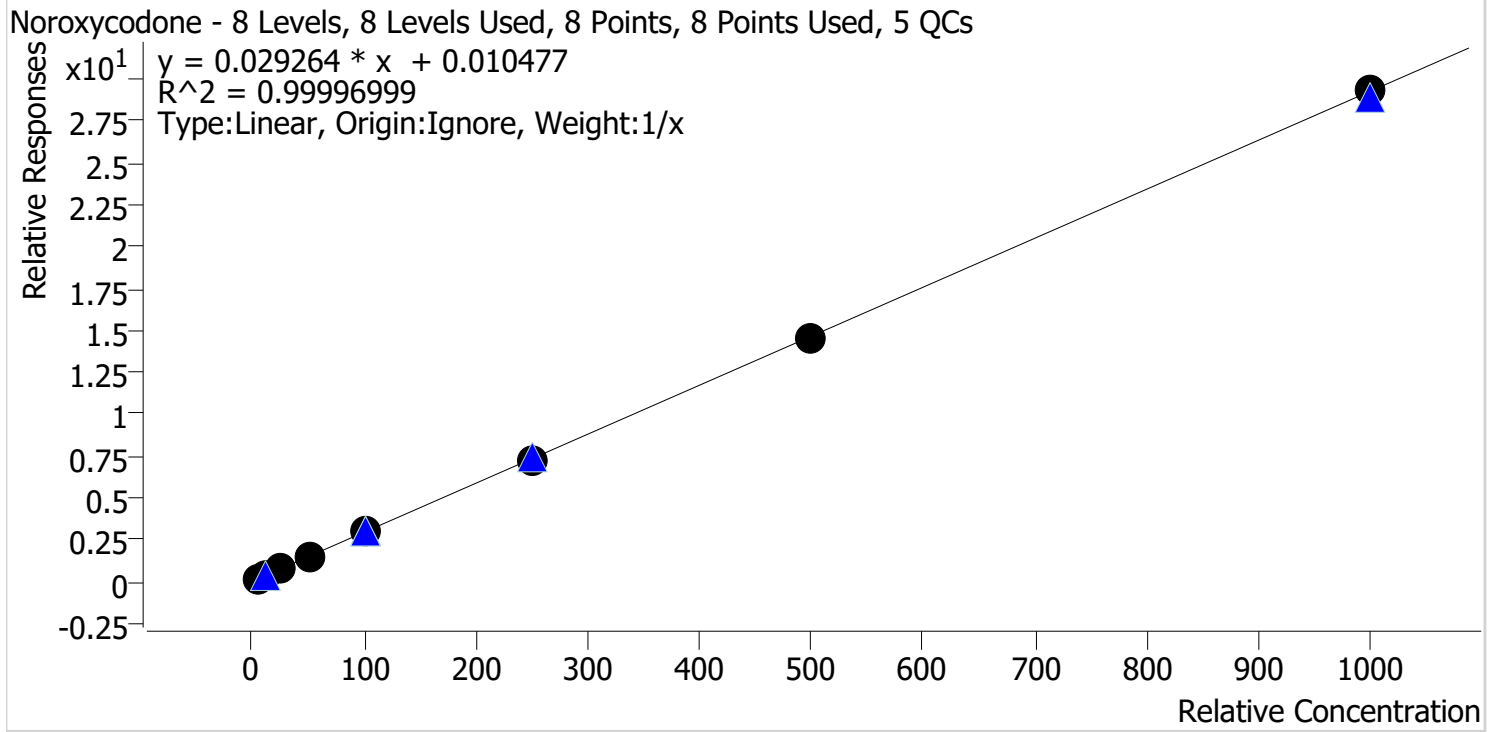
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.2
p1 Cal 2-10ng	2	✓	10.0	9.4	93.8
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.5
p1 Cal 4-50ng	4	✓	50.0	46.1	92.1
p1 Cal 5-100ngr	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	245.9	98.3
p1 Cal 7-500ng	7	✓	500.0	534.0	106.8
p1 Cal 8-1000ng	8	✓	1000.0	1119.6	112.0

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



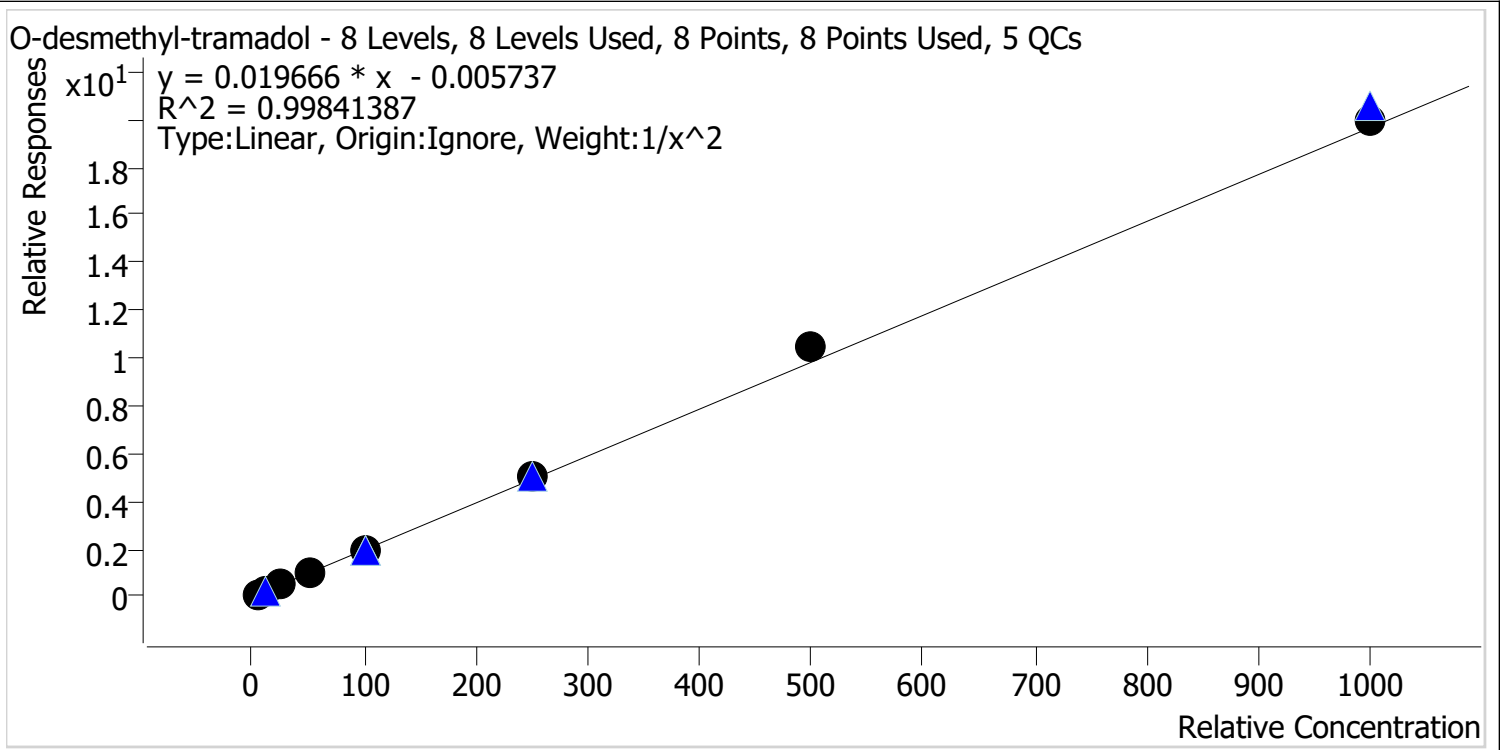
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ngr	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	498.4	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1001.4	100.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
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	102.6
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	48.2	96.5
p1 Cal 5-100ngr	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	529.5	105.9
p1 Cal 8-1000ng	8	✓	1000.0	1012.4	101.2

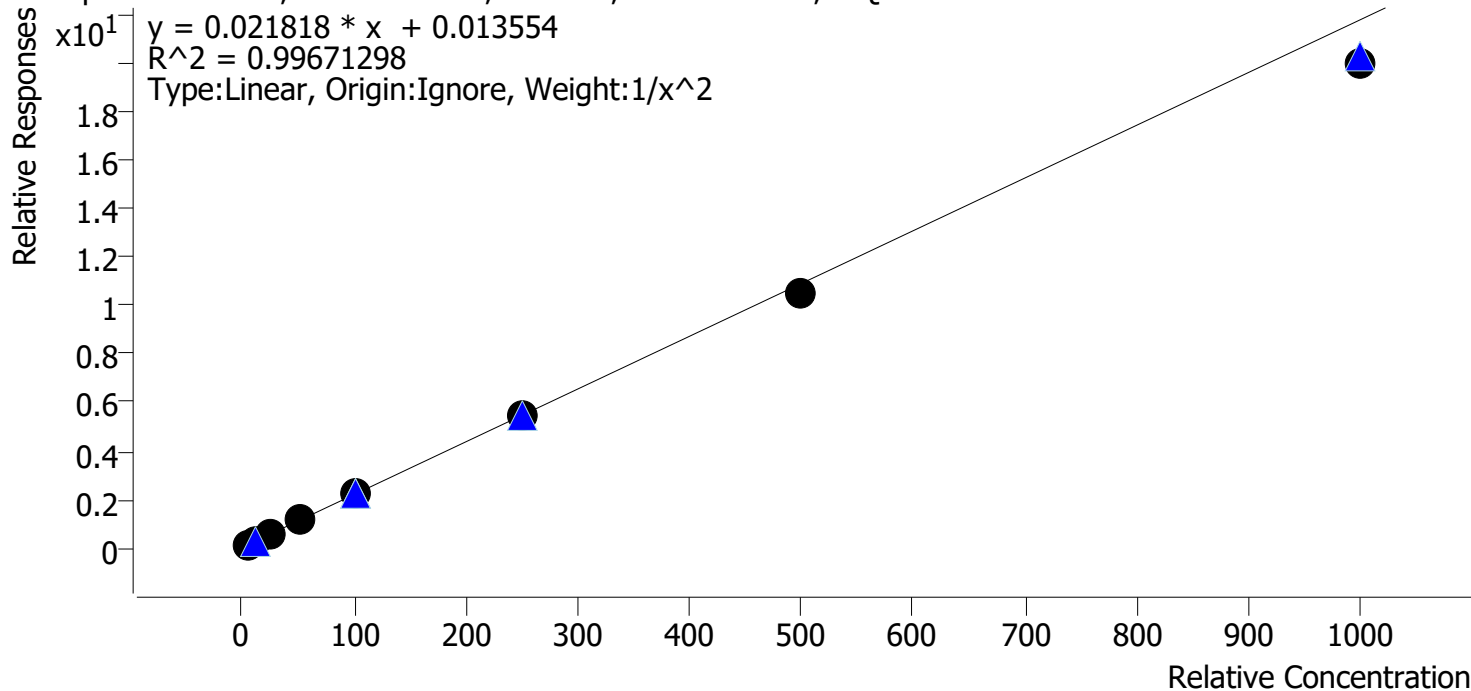
ALH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
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	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ngr	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	248.1	99.3
p1 Cal 7-500ng	7	✓	500.0	481.2	96.2
p1 Cal 8-1000ng	8	✓	1000.0	920.3	92.0

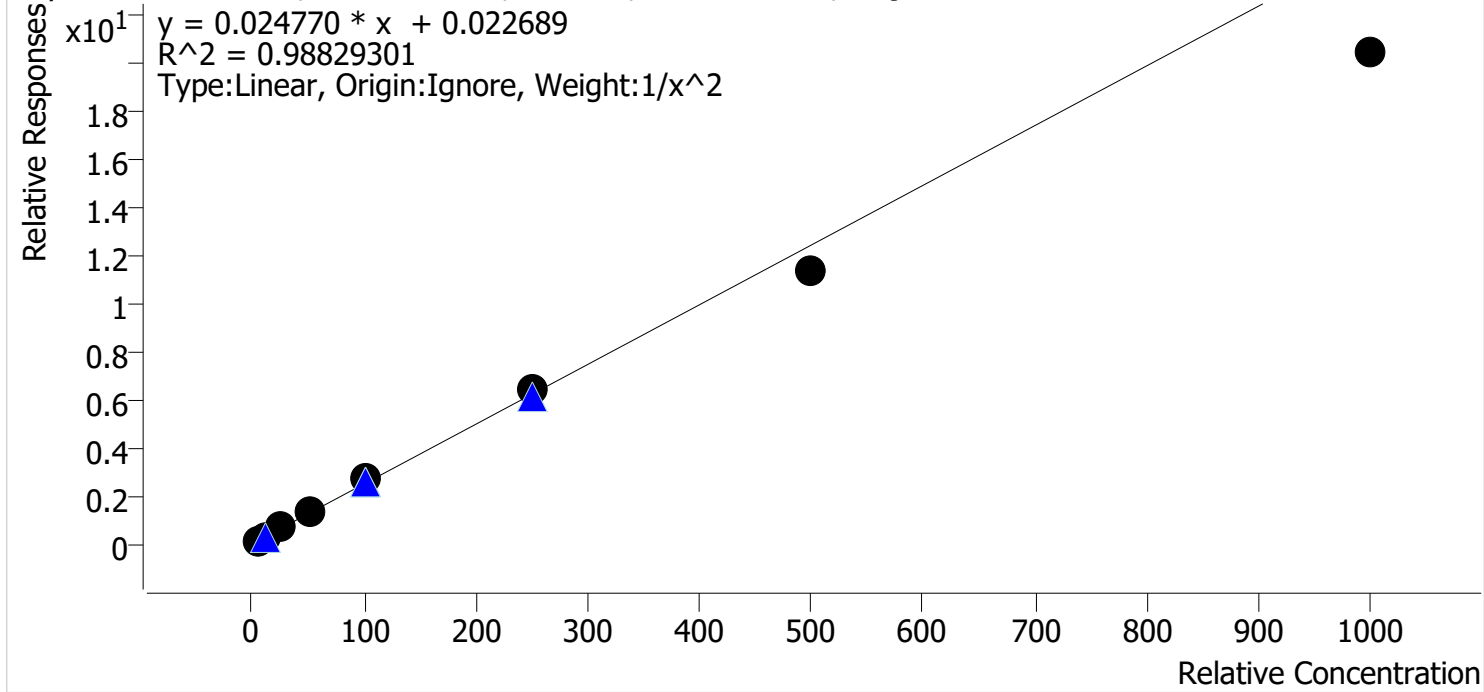
2/8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Oxycodone **Internal Standard** Oxycodone-D6

Oxycodone - 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	95.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	54.5	109.1
p1 Cal 5-100ngr	5	✓	100.0	107.8	107.8
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	458.6	91.7
p1 Cal 8-1000ng	8	✓	1000.0	822.3	82.2

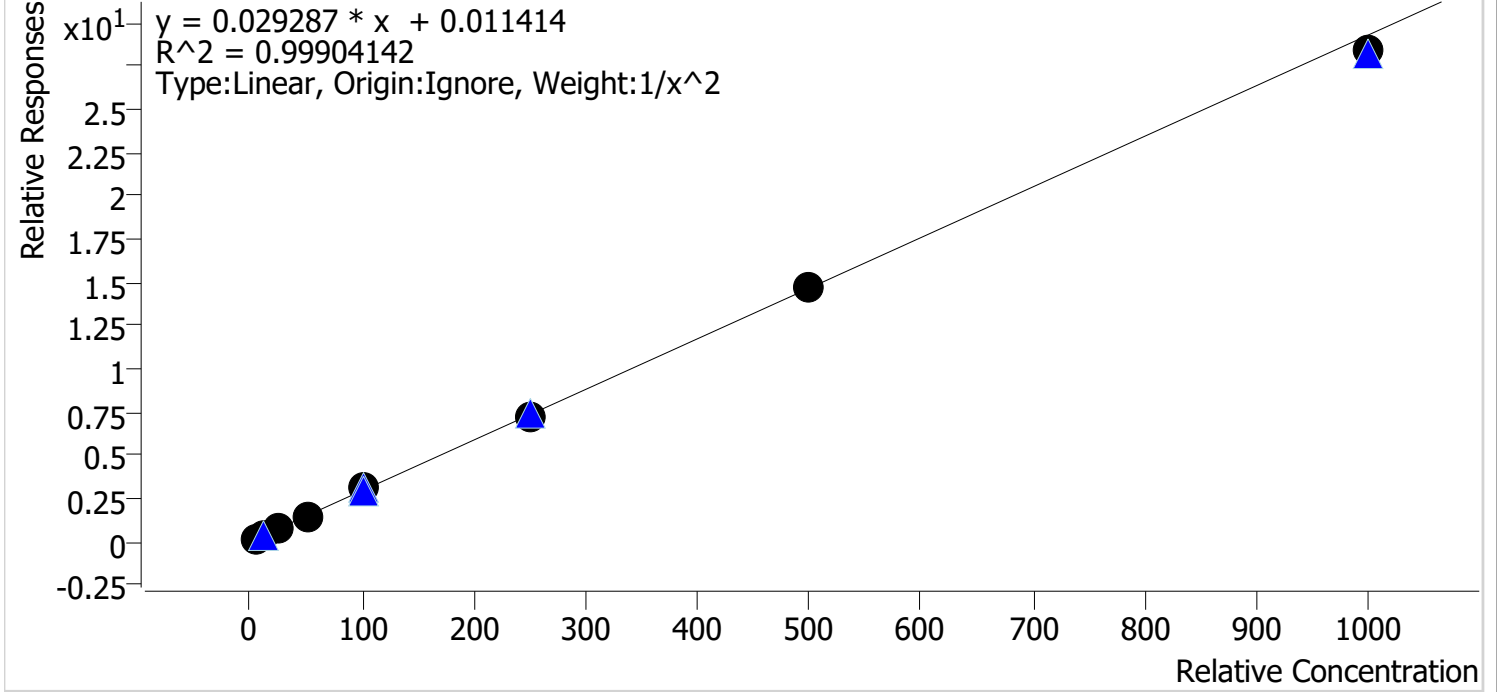
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
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	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ngr	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	241.9	96.8
p1 Cal 7-500ng	7	✓	500.0	501.0	100.2
p1 Cal 8-1000ng	8	✓	1000.0	969.3	96.9

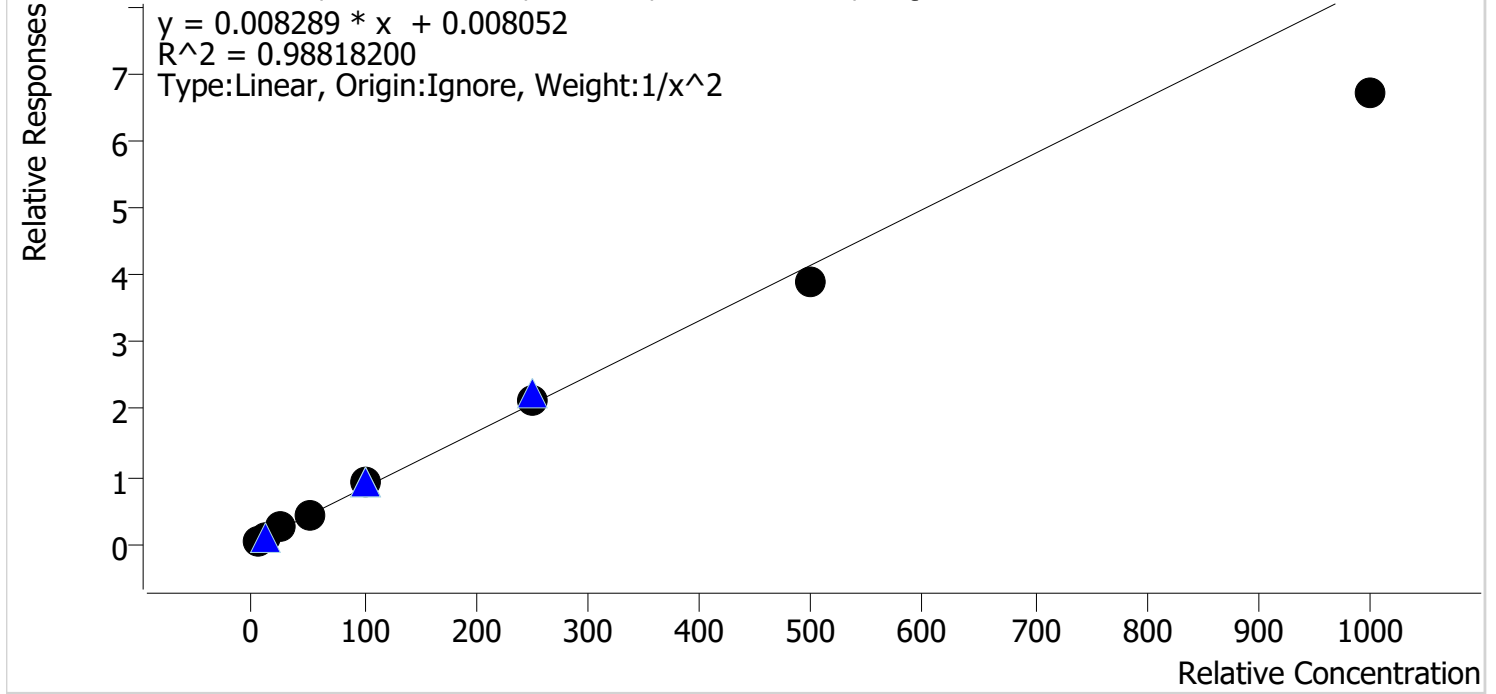
2/9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Phentermine **Internal Standard** Phentermine-D5

Phentermine - 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	95.4
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.2
p1 Cal 4-50ng	4	✓	50.0	53.5	107.1
p1 Cal 5-100ngr	5	✓	100.0	107.7	107.7
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	467.3	93.5
p1 Cal 8-1000ng	8	✓	1000.0	809.2	80.9

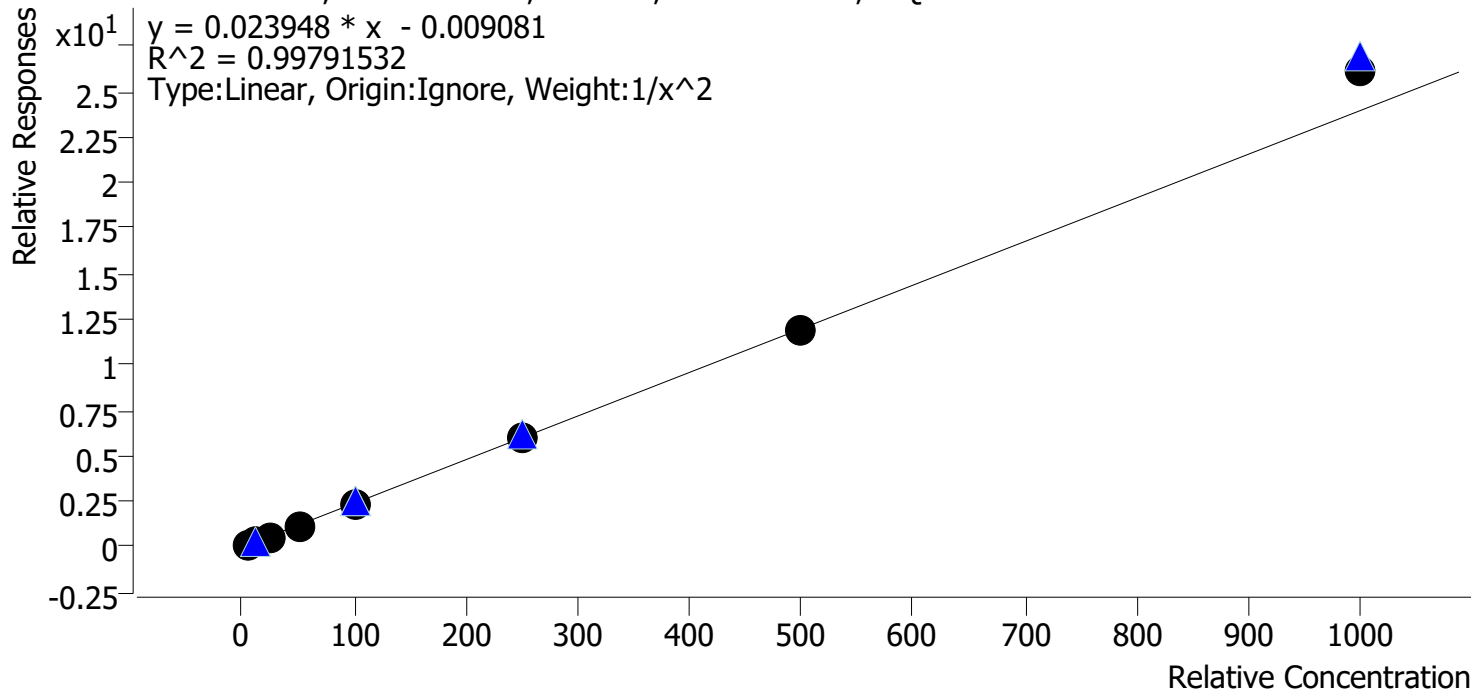
214



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Promethazine **Internal Standard** Promethazine-D3

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



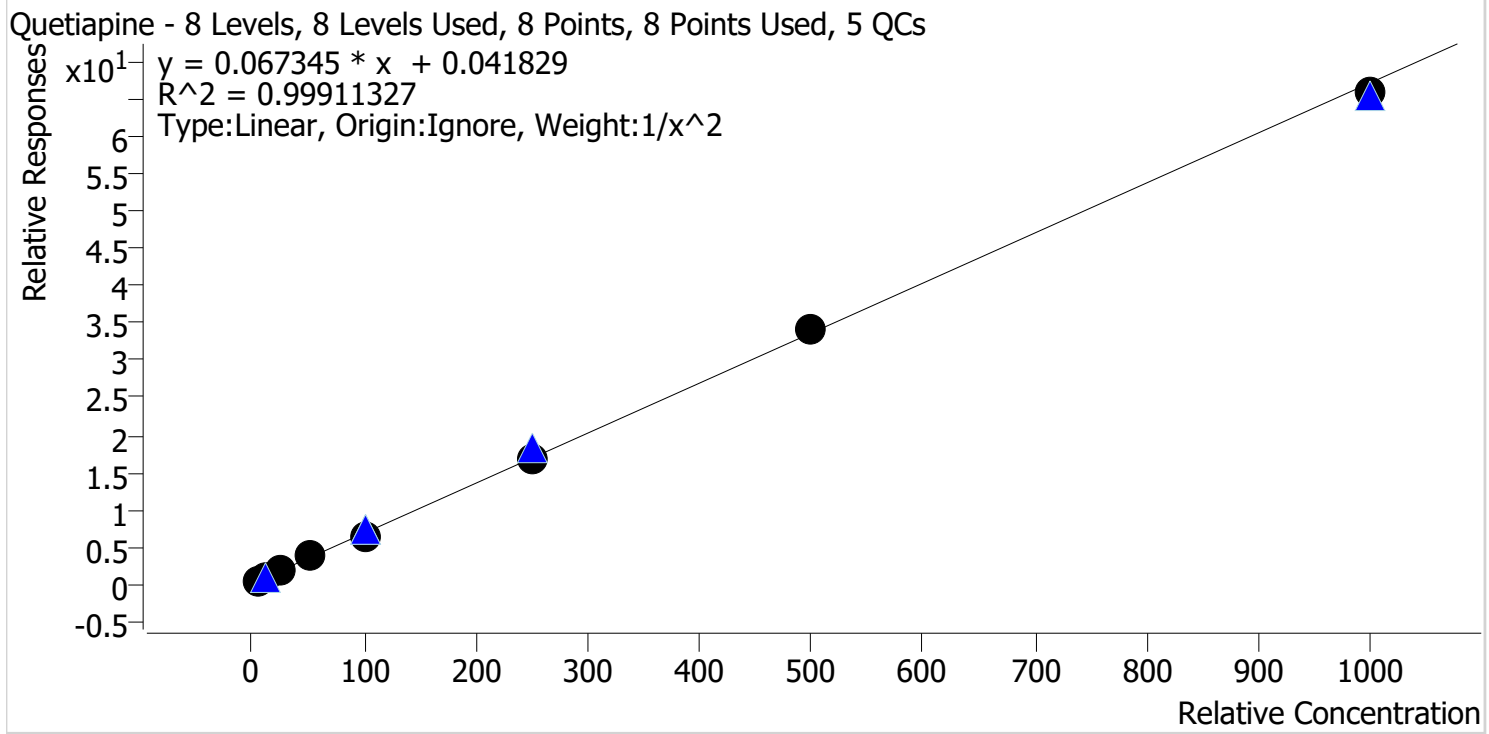
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ngr	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1087.3	108.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Quetiapine **Internal Standard** Quetiapine-D8



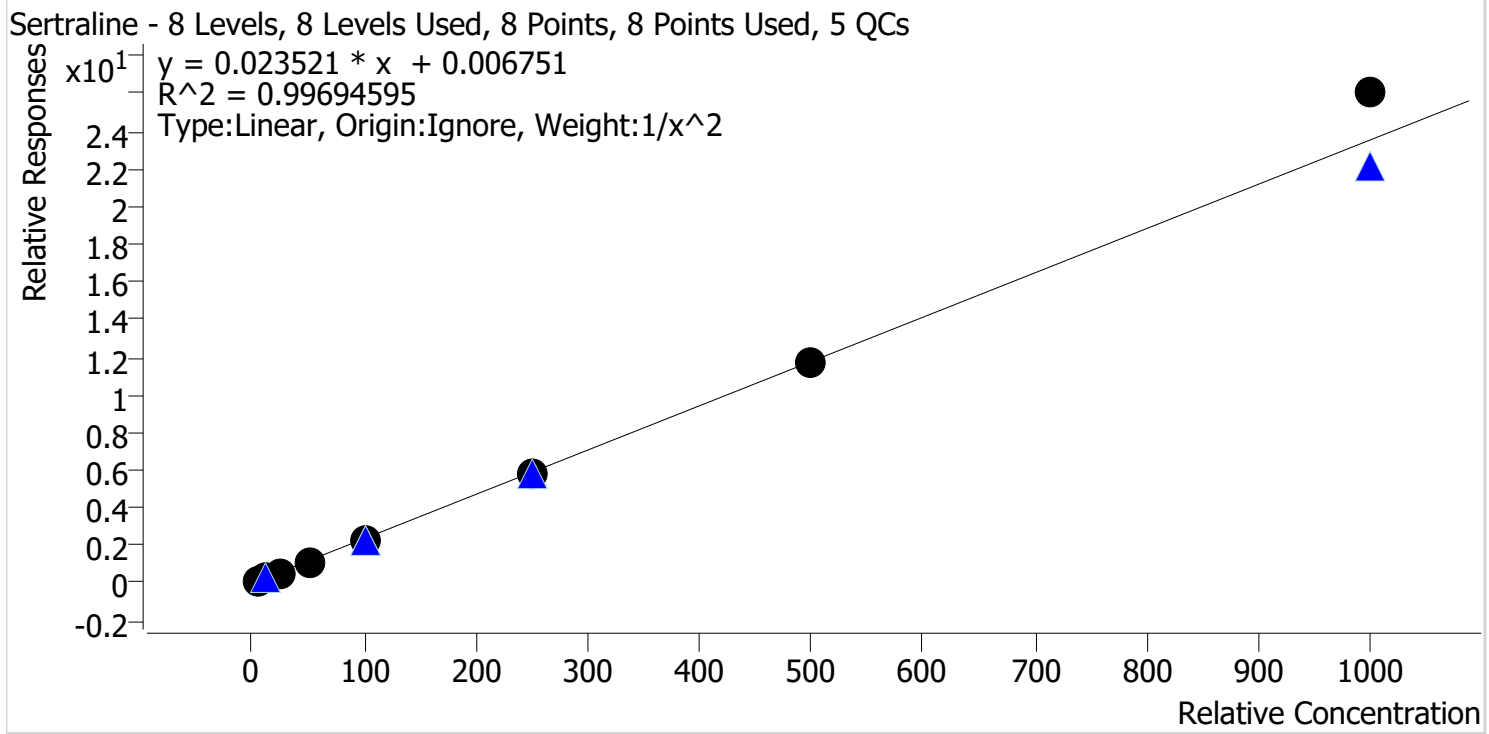
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ngr	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	507.0	101.4
p1 Cal 8-1000ng	8	✓	1000.0	980.6	98.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Sertraline **Internal Standard** Sertraline-D3



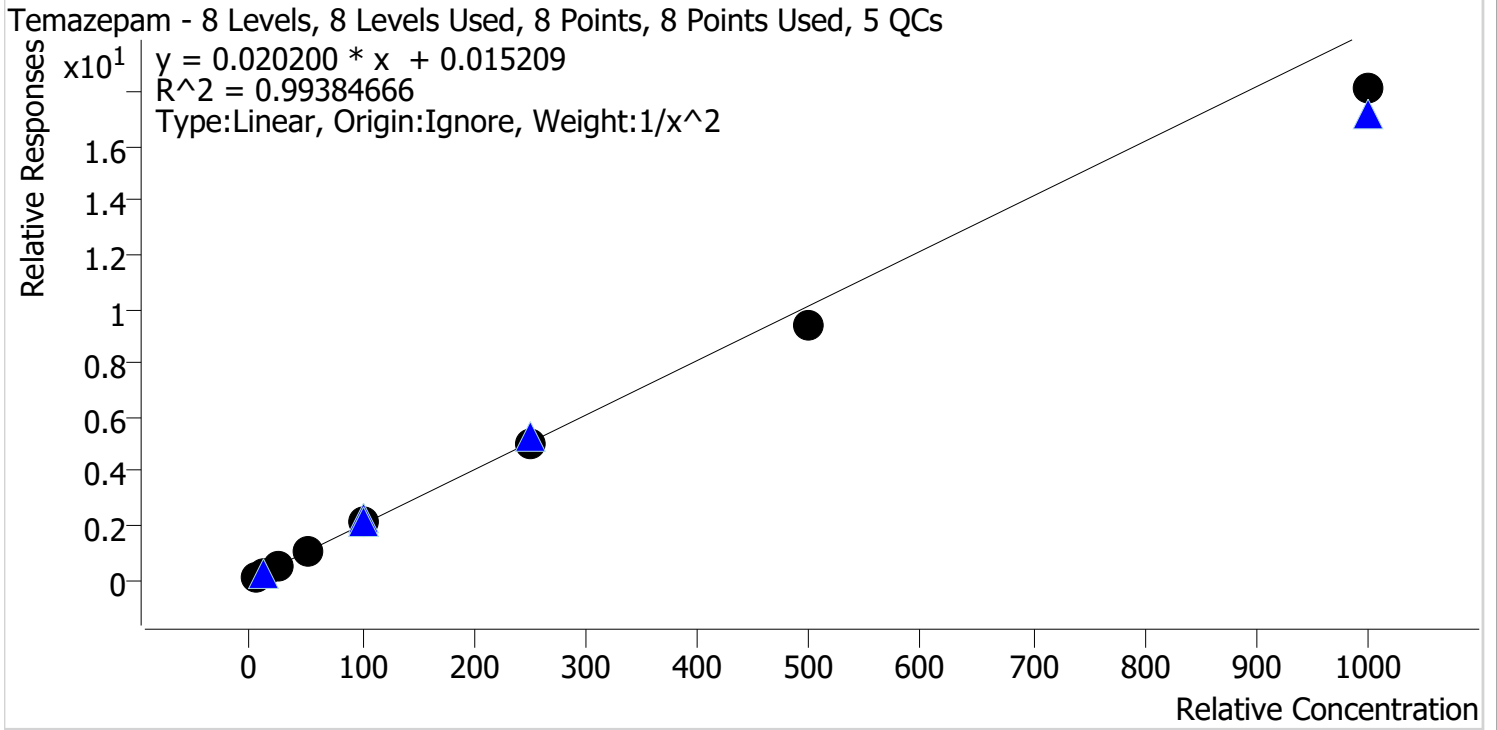
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	47.1	94.1
p1 Cal 5-100ngr	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	495.5	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1106.9	110.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Temazepam **Internal Standard** Temazepam-D5



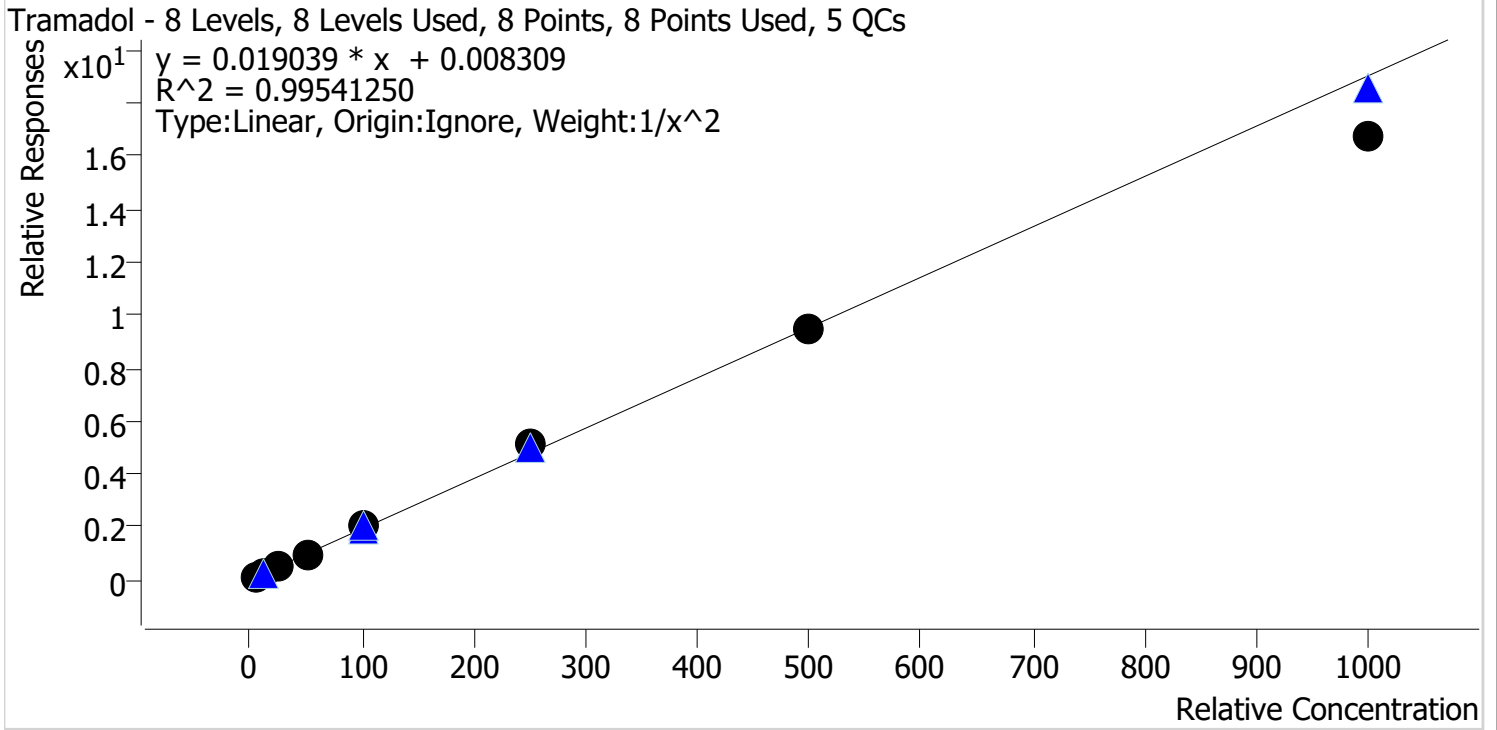
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2-10ng	2	✓	10.0	10.7	106.8
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ngr	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	461.5	92.3
p1 Cal 8-1000ng	8	✓	1000.0	896.6	89.7

ALH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



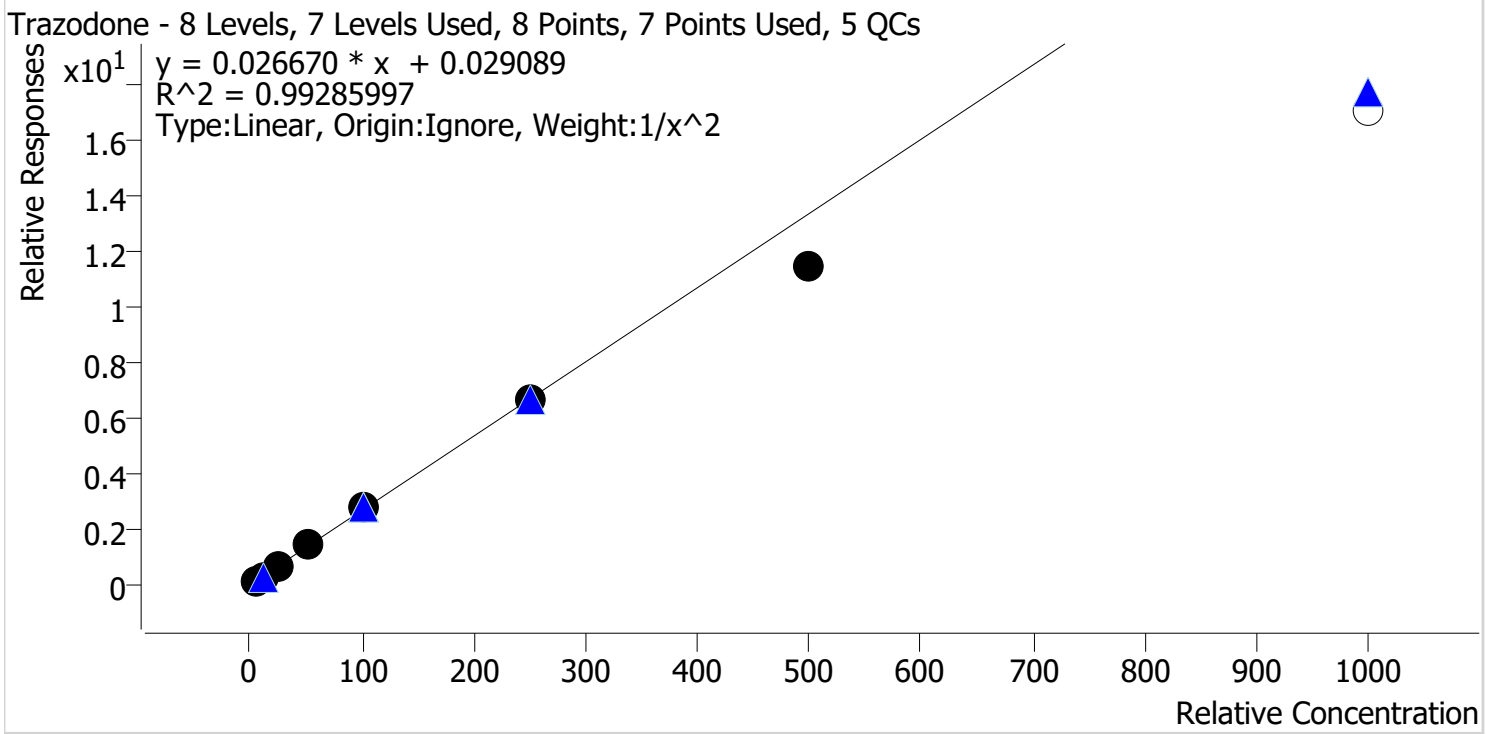
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.5	105.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ngr	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	266.5	106.6
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	883.4	88.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Trazodone **Internal Standard** Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ngr	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	429.1	85.8
p1 Cal 8-1000ng	8	✗	1000.0	637.2	63.7

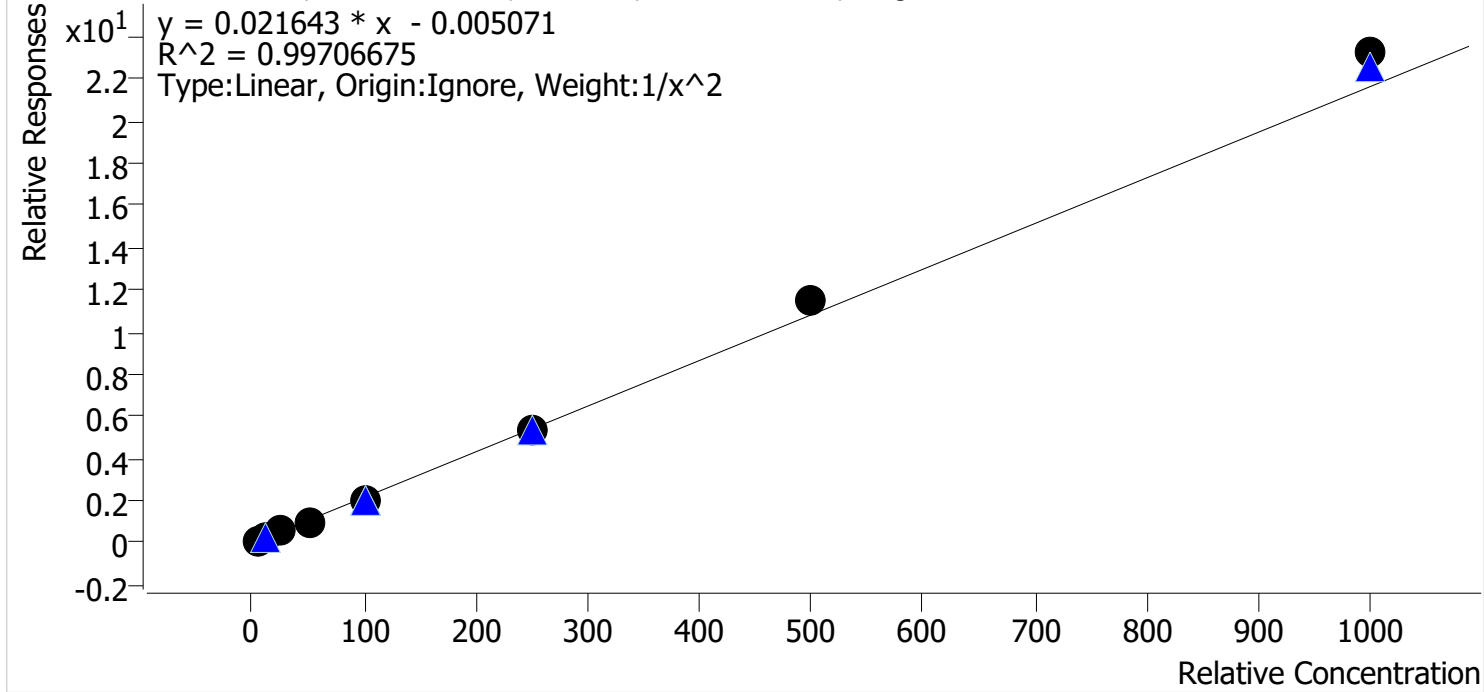
214



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

Venlafaxine - 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	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	47.4	94.9
p1 Cal 5-100ngr	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	529.2	105.8
p1 Cal 8-1000ng	8	✓	1000.0	1074.5	107.5

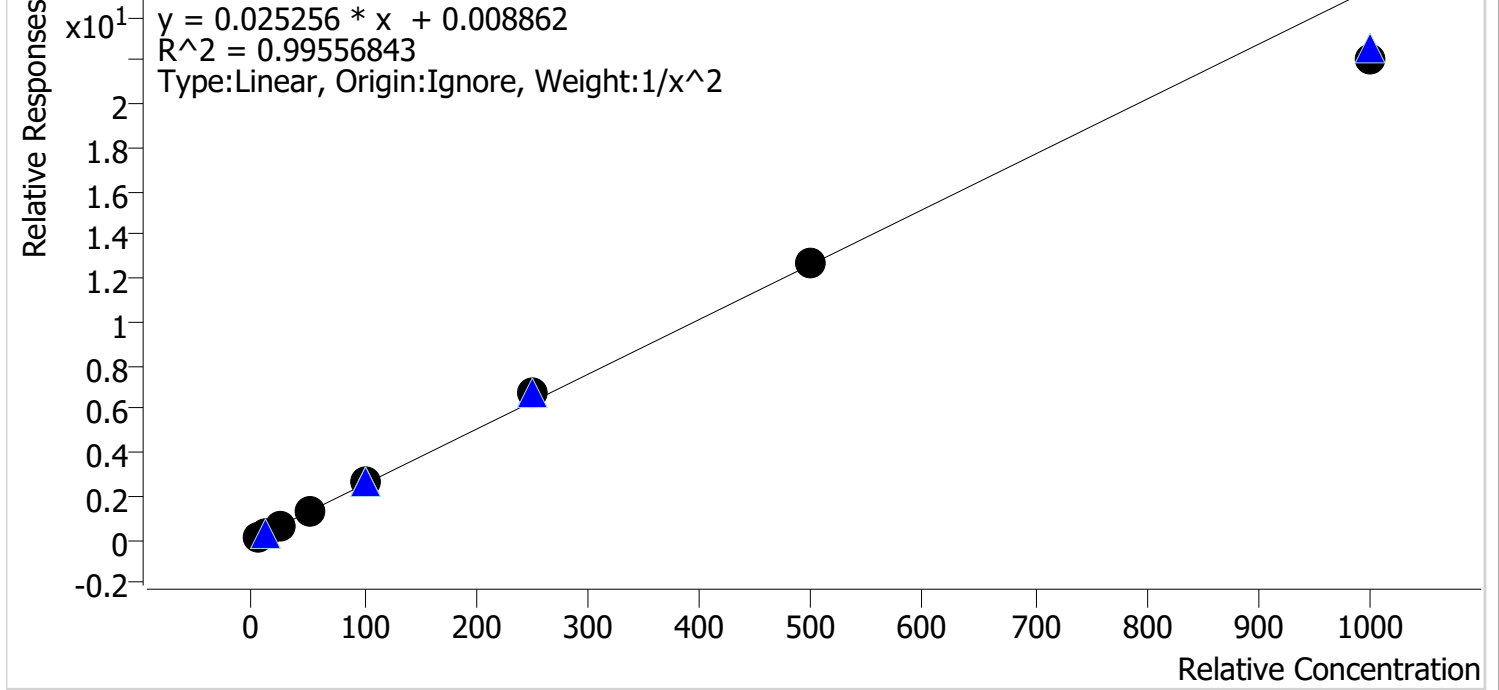
2/24



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 2/8/2023 3:54 PM
Analyst Name ISP\agerheart
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	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ngr	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	269.7	107.9
p1 Cal 7-500ng	7	✓	500.0	504.8	101.0
p1 Cal 8-1000ng	8	✓	1000.0	872.1	87.2

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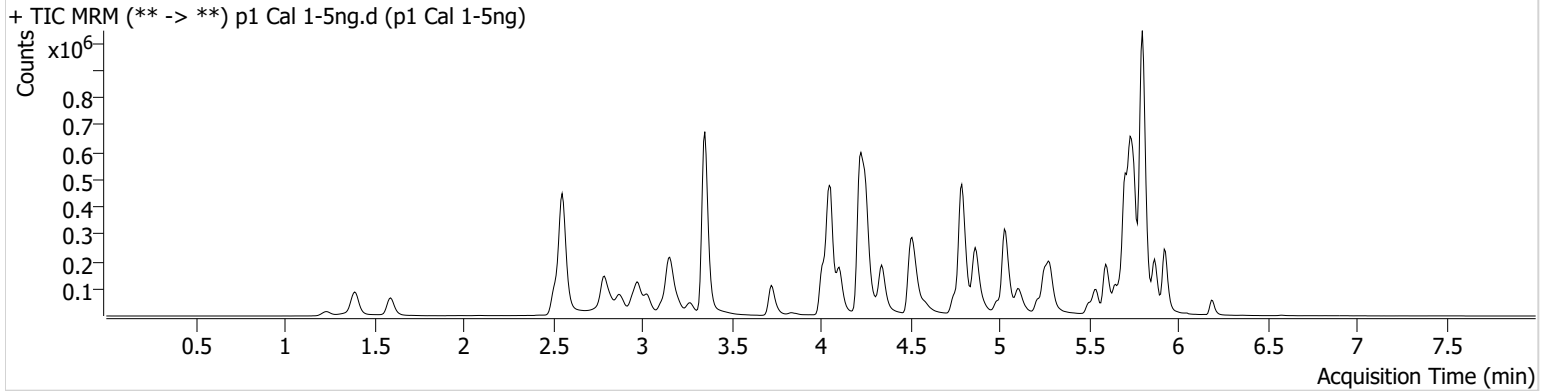


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	1/19/2023 9:57:42 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.119	1447	1109.64	70.6	1170.52	81407	0.5171 ng/ml
7-aminoclonazepam	4.238	32659	1123.45	82.5	88.93	280037	4.8100 ng/ml
a-hydroxyalprazolam	5.682	21144	149.88	62.4	162.39	1298401	5.0801 ng/ml
alpha-PHP	4.915	9067	272.88	235.5	423.91	359678	5.2218 ng/ml
alpha-PVP	4.350	49057	192.56	54.0	1521.66	359678	5.1239 ng/ml
Alprazolam	5.759	67124	435.88	122.1	472.58	576332	5.1545 ng/ml
Amphetamine	3.030	52209	498.37	51.8	215.93	171542	4.7791 ng/ml
Benzoylecgonine	3.864	3129	21.25	8.3	85.91	17372	5.0841 ng/ml
Buprenorphine	5.646	391	299.01	14.1	116.16	19914	0.3388 ng/ml
Bupropion	4.765	25904	445.93	66.9	300.52	169706	4.9318 ng/ml
Carisoprodol	5.714	91225	191853.95	64.2	64.19	734268	5.1312 ng/ml
Chlordiazepoxide	5.814	32194	5669.54	153.6	444.29	801626	0.8878 ng/ml
Chlorpheniramine	5.111	28326	197.15			224554	5.9191 ng/ml
Citalopram	5.218	14386	105.94	37.8	407.40	109340	5.0299 ng/ml
Clonazepam	5.601	87026	5076.99	34.8	649.91	220130	4.9472 ng/ml
Clonazolam	5.545	71568	4466.36	34.1	31498.85	220130	5.0542 ng/ml
Cocaine	4.251	43918	64317.23	53.9	54095.13	750414	5.0306 ng/ml
Codeine	2.566	8207	128.58	108.2	292.54	82953	4.6335 ng/ml
Cyclobenzaprine	5.618	7345	14823.02	6.8	15.08	53754	6.1328 ng/ml
Dextromethorphan	5.262	6068	77.47	88.0	151.22	49011	5.0331 ng/ml
Dextrorphan	4.111	14144	1901.48	212.6	64931.89	299236	5.0006 ng/ml
Diazepam	5.931	45594	4051.41	86.7	488.41	390499	5.0033 ng/ml
Dihydrocodeine	2.545	21380	1257.78	59.3	137.33	238036	4.8074 ng/ml
Diphenhydramine	5.290	34729	2051.93	31.9	148.54	314124	5.0900 ng/ml
DMT	2.838	6940	86.39	120.3	320.02	49011	4.8795 ng/ml
Doxylamine	4.525	98480	1766.53	97.7	1374.25	885252	5.0949 ng/ml
Duloxetine	5.651	596	8.72			5767	6.6500 ng/ml
EDDP	5.255	32320	98.57	43.9	36051.15	297852	5.0726 ng/ml
Etizolam	5.797	35704	63843.14	26.2	10375.21	220130	5.2051 ng/ml
Fentanyl	5.074	820	41.37	51.0 Low	266.55	60499	0.7142 ng/ml
Flualprazolam	5.688	40609	545.78	95.1	806.04	576332	4.8828 ng/ml
Fluorofentanyl	5.121	1551	28.68	46.7	98.65	503	0.5271 ng/ml
Fluoxetine	5.704	7891	62.61	8.2	433.26	49705	5.0936 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.006	30683	116.41	34.0	40.77	274529	4.8674 ng/ml
Hydromorphone	1.602	26602	1488.36	78.5	117463.37	168390	4.9563 ng/ml
Hydroxyzine	5.687	11716	426.81	75.6	357.02	49011	4.9297 ng/ml
Ketamine	4.023	53205	141.94	37.8	239.05	416403	4.9104 ng/ml
Lamotrigine	4.253	7197	189.58	65.6	279.11	1089800	4.8066 ng/ml
Lorazepam	5.730	63464	456.84	48.8	69.06	762018	4.6163 ng/ml
MDA	3.178	51106	325.42	34.6	235.60	318070	4.8013 ng/ml
MDMA	3.278	27060	4473.34	101.7	351.20	58845	5.0137 ng/ml
Meprobamate	4.888	61674	101.00	28.5	1231.70	569042	4.8550 ng/ml
Methadone	5.649	22107	446.55	47.3	122.37	147136	5.0766 ng/ml
Methamphetamine	3.205	52528	915.91	35.8	83.42	292019	5.0805 ng/ml
Metoprolol	4.313	10585	1010.49	105.0	382.35	1022989	4.9242 ng/ml
Mirtazapine	4.586	29740	341.57	49.0	121.31	359678	5.0496 ng/ml
Mitragynine	5.202	3492	2565.44	39.8	1418.86	147136	4.9740 ng/ml
Morphine	1.247	4758	1038.59	50.2	33.38	16795	4.9489 ng/ml
Norbuprenorphine	4.997	36	1.66 Low	106.3	197.67	3659	0.9251 ng/ml
Nordiazepam	5.877	48084	908.99	59.2	299.40	287207	4.9013 ng/ml
Norfentanyl	4.071	9026	1838.60	48.4 High	54.66	699035	0.5149 ng/ml
Norhydrocodone	3.054	4818	99.08	43.6	51.96	70471	5.2592 ng/ml
Noroxycodone	2.897	31038	809.17	43.4	88847.01	197968	4.9996 ng/ml
O-desmethyl-tramadol	3.359	148754	34850.70	5.7	121.29	1562941	5.1314 ng/ml
o-desmethylvenlafaxine	4.056	180975	4538.61	19.9	217.60	323297	5.1234 ng/ml
Olanzapine	4.386	2099	541.83	56.3	33.31	11022	5.0991 ng/ml
Oxazepam	5.740	90584	240.70	75.0	161.28	762018	4.8271 ng/ml
Oxycodone	2.815	67143	479.23	27.3	343.48	476481	4.7729 ng/ml
Oxymorphone	1.398	40433	∞	42.6	∞	257448	4.9729 ng/ml
Phentermine	3.760	14016	76.56	6.8	113.42	294392	4.7723 ng/ml
Promethazine	5.535	11034	324.42	30.4	20.78	98044	5.0784 ng/ml
Pseudoephedrine	2.562	115943	2463.77	18.5	362.50	1089800	5.1472 ng/ml
Quetiapine	5.510	26358	2700.48	56.2	32763.74	69126	5.0408 ng/ml
Sertraline	5.766	2911	68.56	152.3 High	114.41	23061	5.0791 ng/ml
Temazepam	5.800	144216	∞	25.8	95.28	1298401	4.7457 ng/ml
Tramadol	4.232	103106	203.95	3.3	18.62	1022989	4.8574 ng/ml
Trazodone	5.025	19155	1072.01	67.3	54.17	120270	4.8809 ng/ml
Venlafaxine	5.036	71284	214.30	37.0	354.68	674658	5.1163 ng/ml
Zolpidem	4.809	154742	827.75	28.1	791.41	1155271	4.9527 ng/ml

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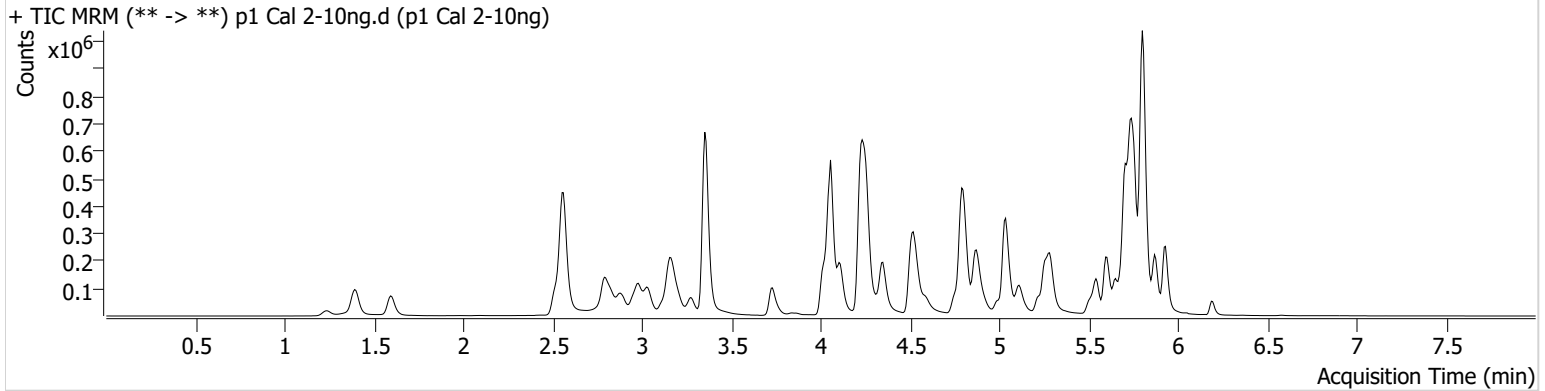


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 Cal 2-10ng.d
Type	Cal	Sample	p1 Cal 2-10ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	1/19/2023 10:08:28 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	2527	265.00	74.0	5326.15	77133	0.9370 ng/ml
7-aminoclonazepam	4.238	57179	3156.56	81.1	4117.24	238883	10.4909 ng/ml
a-hydroxyalprazolam	5.682	35504	182.41	64.8	339.54	1143121	9.7885 ng/ml
alpha-PHP	4.921	16430	391.28	256.6	2947.34	329789	9.6529 ng/ml
alpha-PVP	4.357	85687	235.48	52.5	269.58	329789	9.6765 ng/ml
Alprazolam	5.759	116016	427.49	122.5	2485.63	516530	9.6421 ng/ml
Amphetamine	3.037	95605	1262.31	49.4	341.55	157681	10.4767 ng/ml
Benzoylcegonine	3.871	4809	204.10	7.5	99.31	14494	9.8085 ng/ml
Buprenorphine	5.653	602	34.60	19.5 High	111.33	21341	0.7093 ng/ml
Bupropion	4.765	46804	351.71	62.6	143.35	151972	10.2121 ng/ml
Carisoprodol	5.714	160206	219245.57	62.8	200.62	639500	9.8284 ng/ml
Chlordiazepoxide	5.814	57999	7873.89	151.4	284.30	701916	7.2040 ng/ml
Chlorpheniramine	5.111	53845	690.69	0.2	5.64	224460	10.7213 ng/ml
Citalopram	5.218	28187	301.85	37.1	54.32	107370	10.0480 ng/ml
Clonazepam	5.601	147632	556.01	35.5	228.74	201019	9.8217 ng/ml
Clonazolam	5.545	122767	94587.13	34.8	25508.38	201019	9.6628 ng/ml
Cocaine	4.257	79537	224.16	54.9	161597.68	685774	9.9828 ng/ml
Codeine	2.566	15036	57.41	103.9	2154.09	74889	10.6676 ng/ml
Cyclobenzaprine	5.618	14654	18550.22	9.0 High	32.70	54049	11.1298 ng/ml
Dextromethorphan	5.269	12077	100.09	83.0	829.22	51387	10.0803 ng/ml
Dextrorphan	4.111	27807	148.93	213.3	145363.76	286441	10.1016 ng/ml
Diazepam	5.931	79046	542.88	87.6	1549.04	352904	9.9376 ng/ml
Dihydrocodeine	2.545	38519	435.35	59.9	3745.85	219478	10.2638 ng/ml
Diphenhydramine	5.290	67857	149.75	32.7	130.16	319462	9.8874 ng/ml
DMT	2.838	13556	32.46	123.3	1582.78	51387	10.2345 ng/ml
Doxylamine	4.531	177514	1285.52	99.7	991.97	820503	9.7873 ng/ml
Duloxetine	5.644	1163	18.83			5623	11.4358 ng/ml
EDDP	5.255	65696	1477.81	43.0	1928.25	310249	9.8771 ng/ml
Etizolam	5.797	62866	64725.53	26.6	25734.51	201019	9.5811 ng/ml
Fentanyl	5.074	1266	41.63	83.2	594.61	61412	1.0241 ng/ml
Flualprazolam	5.695	70106	1650.36	98.1	7141.82	516530	9.9419 ng/ml
Fluorofentanyl	5.128	2957	86.13	44.0	409.01	578	0.9186 ng/ml
Fluoxetine	5.704	15763	11755.68	8.5	2873.73	49402	9.9642 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.006	55014	4613.56	33.1	160.49	260001	10.1848 ng/ml
Hydromorphone	1.602	50534	9287.32	73.6	21470.68	150845	10.2030 ng/ml
Hydroxyzine	5.687	23197	939.25	70.3	950.05	51387	10.1146 ng/ml
Ketamine	4.030	91443	4720.16	37.4	97.18	366510	10.1279 ng/ml
Lamotrigine	4.260	12157	292.79	79.6	371.71	987589	10.2831 ng/ml
Lorazepam	5.730	114261	246.01	47.0	100.37	678136	11.0620 ng/ml
MDA	3.184	95496	577.23	34.2	202.94	304369	10.2818 ng/ml
MDMA	3.278	52433	93797.08	104.4	1224.86	57956	9.9703 ng/ml
Meprobamate	4.895	108692	900.96	28.5	1227.82	519673	10.2735 ng/ml
Methadone	5.649	43416	13200.83	43.7	317.63	153374	9.8569 ng/ml
Methamphetamine	3.205	76665	717.61	35.6	144.67	276011	9.7288 ng/ml
Metoprolol	4.320	19981	3079.57	104.8	468.72	949712	10.2236 ng/ml
Mirtazapine	4.593	56484	352.00	49.7	2722.48	329789	9.9899 ng/ml
Mitragynine	5.202	7035	11904.43	38.5	3442.06	153374	9.8477 ng/ml
Morphine	1.240	8597	406.99	55.2	345.99	15172	10.1842 ng/ml
Norbuprenorphine	4.990	82	4.68 Low	86.8	14.69	3845	1.3936 ng/ml
Nordiazepam	5.877	85968	5738.03	58.3	3774.26	261010	10.1671 ng/ml
Norfentanyl	4.071	17223	148.39	38.6	24.86	657444	0.9796 ng/ml
Norhydrocodone	3.054	8840	44.05	42.6	109.64	66024	9.3789 ng/ml
Noroxycodone	2.897	54970	350.94	44.1	176.29	181797	9.9745 ng/ml
O-desmethyl-tramadol	3.359	266075	13285.20	5.8	614.33	1440125	9.6867 ng/ml
o-desmethylvenlafaxine	4.056	340977	13667.34	19.4	471.08	294565	9.9279 ng/ml
Olanzapine	4.400	4134	4121.47	46.1	26.08	10086	10.0134 ng/ml
Oxazepam	5.740	162606	1707.00	72.4	110.98	678136	10.3688 ng/ml
Oxycodone	2.822	121020	762.47	27.2	1060.38	432726	10.3747 ng/ml
Oxymorphone	1.398	71374	2292.55	42.6	6762.99	233603	10.0428 ng/ml
Phentermine	3.760	25420	234.70	7.4	66.46	270116	10.3813 ng/ml
Promethazine	5.535	21908	1827.38	31.8	220.63	96058	9.9025 ng/ml
Pseudoephedrine	2.569	208947	3355.73	18.3	4010.76	987589	9.7807 ng/ml
Quetiapine	5.510	49397	2039.40	56.8	∞	70664	9.7590 ng/ml
Sertraline	5.766	5544	57.20	123.2	344.94	23143	9.8974 ng/ml
Temazepam	5.800	263896	1063.66	26.2	426.46	1143121	10.6754 ng/ml
Tramadol	4.239	198041	238.32	3.4	50.86	949712	10.5162 ng/ml
Trazodone	5.025	35546	61881.97	66.3	25677.83	119196	10.0908 ng/ml
Venlafaxine	5.036	136491	429.51	37.2	279.29	658640	9.8094 ng/ml
Zolpidem	4.809	274454	5159.78	28.4	1853.81	1039379	10.1045 ng/ml

AM #28 Multi-Drug Quant. Results

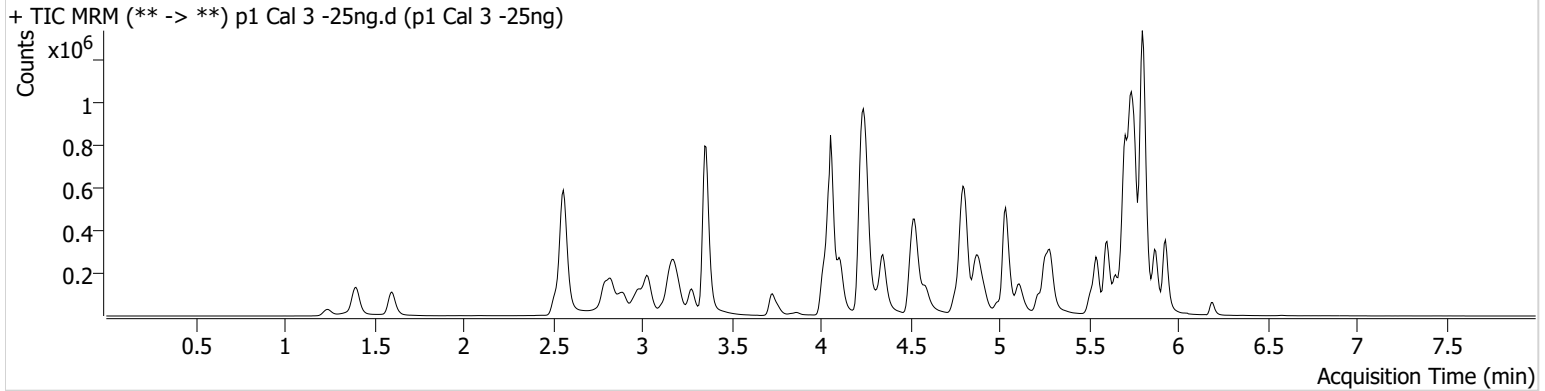
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Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
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Instrument	Falco (069901)	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	1/19/2023 10:19:06 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	6550	12248.60	73.4	571.95	74809	2.4725 ng/ml
7-aminoclonazepam	4.237	150408	9177.39	81.6	524.71	257460	26.4518 ng/ml
a-hydroxyalprazolam	5.682	87553	423.43	65.9	432.29	1129341	24.5976 ng/ml
alpha-PHP	4.921	41324	1321.00	254.2	622.97	336285	22.8079 ng/ml
alpha-PVP	4.350	223117	1670.67	51.7	768.21	336285	24.5647 ng/ml
Alprazolam	5.759	288478	1243.40	120.7	656.84	505456	24.0059 ng/ml
Amphetamine	3.037	216612	5641.68	51.0	826.27	151445	26.0235 ng/ml
Benzoylcegonine	3.864	11913	947.67	9.3	330.83	14779	24.5807 ng/ml
Buprenorphine	5.653	1542	1032.61	14.2	220.40	21660	2.5637 ng/ml
Bupropion	4.765	115136	385.47	64.8	1462.79	153304	25.2724 ng/ml
Carisoprodol	5.714	389110	217068.61	63.5	1906.03	630834	23.4538 ng/ml
Chlordiazepoxide	5.814	129519	2888.89	154.8	1027.59	655749	24.2902 ng/ml
Chlorpheniramine	5.111	137033	856.32	0.3	9.58	234060	25.3113 ng/ml
Citalopram	5.218	70584	1032.40	38.6	296.39	111196	24.3124 ng/ml
Clonazepam	5.601	367392	5852.36	34.9	134072.47	194906	26.3618 ng/ml
Clonazolam	5.545	309156	21601.84	35.8	118876.66	194906	25.4030 ng/ml
Cocaine	4.257	194421	293.08	55.4	12742.61	683501	24.5031 ng/ml
Codeine	2.566	36431	6152.15	101.7	852.42	73712	28.0549 ng/ml
Cyclobenzaprine	5.618	35776	60582.30	6.4	15.55	54588	25.4064 ng/ml
Dextromethorphan	5.269	29436	122.62	78.4	26938.88	54170	24.0744 ng/ml
Dextrorphan	4.111	68899	407.78	210.8	6110.56	289458	24.5352 ng/ml
Diazepam	5.931	190101	2061.71	89.5	353.24	343266	25.1142 ng/ml
Dihydrocodeine	2.545	94101	945.11	58.6	663.04	214634	27.0066 ng/ml
Diphenhydramine	5.290	167865	2550.26	32.3	6597.34	326954	24.0653 ng/ml
DMT	2.838	33575	288.19	122.1	2483.22	54170	25.8357 ng/ml
Doxylamine	4.531	466240	338.21	98.6	18273.73	865032	24.1918 ng/ml
Duloxetine	5.644	2753	112.31	17.0	152.88	5568	24.7331 ng/ml
EDDP	5.255	161839	91552.03	42.3	2727.23	309922	24.3241 ng/ml
Etizolam	5.797	152532	7088.73	25.9	66470.61	194906	23.2390 ng/ml
Fentanyl	5.074	3396	198.29	70.4	1357.92	64687	2.4227 ng/ml
Flualprazolam	5.688	180886	7876.64	91.0	14269.93	505456	27.1622 ng/ml
Fluorofentanyl	5.128	6888	85.13	44.6	1685.87	533	2.4198 ng/ml
Fluoxetine	5.704	37676	2634.83	7.5	297.58	48622	23.8108 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.006	132693	427.03	34.1	283.20	257161	26.3987 ng/ml
Hydromorphone	1.602	124031	2632.05	72.6	2423.62	148672	24.9990 ng/ml
Hydroxyzine	5.687	59688	1147.72	68.0	616.67	54170	25.9953 ng/ml
Ketamine	4.030	225582	27232.79	37.5	903.61	369568	25.5973 ng/ml
Lamotrigine	4.260	29091	1331.35	80.5	541.28	967488	27.3272 ng/ml
Lorazepam	5.730	249108	1457.95	49.6	388.32	637665	27.8681 ng/ml
MDA	3.184	238770	1689.96	34.1	330.90	307954	26.8083 ng/ml
MDMA	3.278	129208	2143.89	106.3	1704.16	57760	24.8147 ng/ml
Meprobamate	4.895	263739	29065.75	27.9	1567.63	514585	26.5856 ng/ml
Methadone	5.649	106185	3812.15	46.5	197.64	153959	24.4907 ng/ml
Methamphetamine	3.205	157397	525.00	37.2	306.39	270866	24.1336 ng/ml
Metoprolol	4.320	48888	1217.45	105.6	495.17	954633	25.1777 ng/ml
Mirtazapine	4.586	142468	848.35	48.6	614.65	336285	24.0647 ng/ml
Mitragynine	5.202	18819	29031.15	35.9	19705.51	153959	26.6634 ng/ml
Morphine	1.247	20183	11720.70	53.6	2859.61	14793	24.9260 ng/ml
Norbuprenorphine	4.977	233	5.65 Low	98.6	212.45	3699	3.1068 ng/ml
Nordiazepam	5.877	201621	2766.19	60.4	3038.55	250439	25.6352 ng/ml
Norfentanyl	4.071	42522	21794.11	38.4	113.64	650408	2.3503 ng/ml
Norhydrocodone	3.054	22692	152.72	40.2	38.96	63657	23.3731 ng/ml
Noroxycodone	2.897	131646	997.18	44.9	469.26	177850	24.9363 ng/ml
O-desmethyl-tramadol	3.359	653663	11964.74	5.7	413.56	1398794	24.0542 ng/ml
o-desmethylvenlafaxine	4.056	814336	137788.13	19.6	1395.48	291060	23.1109 ng/ml
Olanzapine	4.386	11446	117.82	58.5	186.39	11318	23.4833 ng/ml
Oxazepam	5.740	374149	626.76	73.8	269.71	637665	26.2712 ng/ml
Oxycodone	2.822	293590	856.40	26.8	1187.84	426665	26.8639 ng/ml
Oxymorphone	1.398	174817	∞	42.3	833.43	233732	25.1487 ng/ml
Phentermine	3.767	62401	2060.34	6.7	37.34	268557	27.0598 ng/ml
Promethazine	5.535	56752	540.96	28.4	389.11	99448	24.2081 ng/ml
Pseudoephedrine	2.569	508190	10237.05	18.3	15706.47	967488	23.5994 ng/ml
Quetiapine	5.510	119970	363.43	59.1	60.13	69180	25.1294 ng/ml
Sertraline	5.766	12704	2422.10	103.1	370.86	21868	24.4127 ng/ml
Temazepam	5.800	614174	343.72	26.5	453.79	1129341	26.1692 ng/ml
Tramadol	4.239	465308	1633.54	3.4	73.39	954633	25.1647 ng/ml
Trazodone	5.025	92162	5850.45	67.8	627.01	125159	26.5194 ng/ml
Venlafaxine	5.036	345026	1112.72	36.7	568.22	668630	24.0768 ng/ml
Zolpidem	4.809	676354	2689.34	28.1	2987.75	1052573	25.0919 ng/ml

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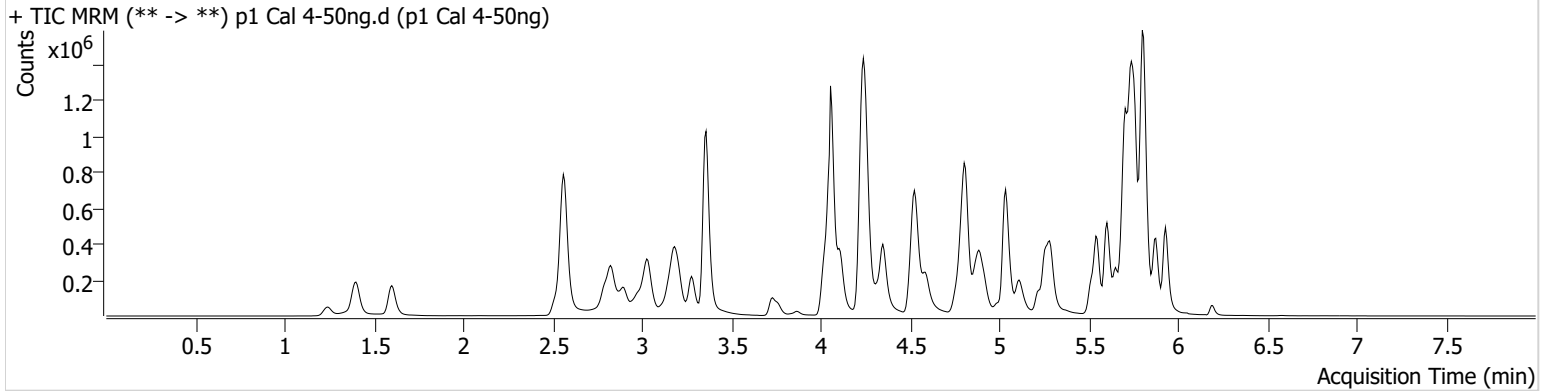


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	1/19/2023 10:29:43 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	12730	432.83	71.5	861.23	72811	4.9178 ng/ml
7-aminoclonazepam	4.238	259785	9859.41	80.6	14318.14	230092	51.6702 ng/ml
a-hydroxyalprazolam	5.682	147454	614.14	64.7	455.05	943731	49.6856 ng/ml
alpha-PHP	4.921	75715	451.31	250.5	2794.11	306949	45.0948 ng/ml
alpha-PVP	4.357	395719	1424.97	53.6	489.62	306949	47.6437 ng/ml
Alprazolam	5.759	522061	1834.52	121.4	1442.15	457987	47.6262 ng/ml
Amphetamine	3.037	416477	388.76	49.1	1496.09	137868	56.0337 ng/ml
Benzoylcegonine	3.864	22203	1216.69	8.1	479.31	14526	47.0824 ng/ml
Buprenorphine	5.653	2355	1336.69	14.2	349.35	19608	4.6725 ng/ml
Bupropion	4.765	202431	714.77	66.4	1946.96	136123	50.2939 ng/ml
Carisoprodol	5.714	678356	1103766.11	63.2	675.77	534268	47.7390 ng/ml
Chlordiazepoxide	5.814	221808	4714.65	158.0	1743.03	584239	51.3793 ng/ml
Chlorpheniramine	5.111	262221	5164.33	0.3	38.50	225123	49.7699 ng/ml
Citalopram	5.218	132291	1404.03	38.9	65253.37	103571	48.9342 ng/ml
Clonazepam	5.601	651193	1222.61	34.7	168266.58	172296	53.5971 ng/ml
Clonazolam	5.545	534098	6812.14	37.5	252803.26	172296	49.8283 ng/ml
Cocaine	4.257	372798	4470.18	54.3	917.77	646781	49.6660 ng/ml
Codeine	2.566	67604	727.89	104.1	360.31	68218	57.4881 ng/ml
Cyclobenzaprine	5.618	69797	99789.30	6.9	18.33	54179	48.9221 ng/ml
Dextromethorphan	5.269	54848	3283.27	82.1	2294.97	51662	47.5943 ng/ml
Dextrorphan	4.111	128096	830.31	208.8	1146.04	268054	49.0961 ng/ml
Diazepam	5.931	347273	641.61	89.7	2914.21	315722	50.2449 ng/ml
Dihydrocodeine	2.545	179860	18011.02	60.3	22984.00	207136	54.3818 ng/ml
Diphenhydramine	5.290	319476	293.36	32.0	2641.72	310096	48.4082 ng/ml
DMT	2.838	63859	1486.77	119.3	2783.55	51662	52.8432 ng/ml
Doxylamine	4.525	893740	25388.00	98.5	35363.07	828497	48.2901 ng/ml
Duloxetine	5.644	5361	237.88	16.3	24.15	5199	49.5573 ng/ml
EDDP	5.255	305676	5003.19	43.2	5416.50	290146	49.0507 ng/ml
Etizolam	5.797	277724	12362.09	25.8	6397.62	172296	47.3453 ng/ml
Fentanyl	5.074	6376	95.18	73.7	5687.66	60654	4.7313 ng/ml
Flualprazolam	5.695	319082	8111.21	93.4	396710.88	457987	53.4287 ng/ml
Fluorofentanyl	5.128	14070	117.68	42.7	7746.44	569	4.6909 ng/ml
Fluoxetine	5.704	64794	370.49	7.6	4770.91	42122	47.0019 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.006	244757	491.75	35.1	∞	247762	51.5337 ng/ml
Hydromorphone	1.602	234896	3271.35	73.1	12485.47	142319	49.1892 ng/ml
Hydroxyzine	5.687	106961	2998.31	73.0	1839.47	51662	49.6420 ng/ml
Ketamine	4.030	425546	16918.16	37.0	704.05	344363	52.4022 ng/ml
Lamotrigine	4.260	53714	588.48	81.0	374.81	905204	55.4189 ng/ml
Lorazepam	5.730	387467	550.16	51.8	370.24	544370	52.1593 ng/ml
MDA	3.184	442198	1490.05	34.6	811.83	287993	54.0227 ng/ml
MDMA	3.278	247527	1781.12	104.2	3121.76	54864	50.1604 ng/ml
Meprobamate	4.895	467908	358.22	28.0	303.37	473656	52.1440 ng/ml
Methadone	5.649	198918	689.03	45.7	585.49	146018	48.6969 ng/ml
Methamphetamine	3.205	307819	1423.16	36.7	1936.65	268565	50.9686 ng/ml
Metoprolol	4.320	93272	25024.52	105.0	2299.59	927939	49.6140 ng/ml
Mirtazapine	4.586	275728	4199.55	50.0	6942.05	306949	50.5342 ng/ml
Mitragynine	5.202	33829	38989.23	36.7	370.84	146018	50.7637 ng/ml
Morphine	1.247	39026	1180.11	55.2	982.74	14270	50.2508 ng/ml
Norbuprenorphine	4.984	436	260.05	102.5	572.85	3765	5.2774 ng/ml
Nordiazepam	5.877	374682	678.44	59.0	1036.45	229521	52.5382 ng/ml
Norfentanyl	4.071	81544	421.89	37.4	268.57	624922	4.6280 ng/ml
Norhydrocodone	3.060	40931	111.72	40.2	101.76	57056	46.0645 ng/ml
Noroxycodone	2.897	240495	506.34	45.9	1156.79	164395	49.6326 ng/ml
O-desmethyl-tramadol	3.359	1263341	2179.58	5.6	672.23	1339806	48.2396 ng/ml
o-desmethylvenlafaxine	4.056	1592080	46945.33	19.1	2442.92	278223	46.6154 ng/ml
Olanzapine	4.386	22520	362.58	56.9	204.39	11284	45.5344 ng/ml
Oxazepam	5.740	640660	2035.42	72.6	4952.55	544370	53.3188 ng/ml
Oxycodone	2.822	552614	730.06	27.1	1654.93	402341	54.5343 ng/ml
Oxymorphone	1.398	318461	∞	42.9	∞	215512	50.0664 ng/ml
Phentermine	3.767	115823	305.70	7.1	41.47	256335	53.5380 ng/ml
Promethazine	5.535	106914	166482.56	31.0	147.58	93394	48.1802 ng/ml
Pseudoephedrine	2.569	954179	1221.07	18.7	12211.83	905204	46.8955 ng/ml
Quetiapine	5.510	236264	6198.44	58.0	5458.26	66363	52.2440 ng/ml
Sertraline	5.766	22990	69.80	108.6	177.53	20639	47.0703 ng/ml
Temazepam	5.800	1029515	20696.21	26.7	451.12	943731	53.2513 ng/ml
Tramadol	4.232	876208	∞	3.4	93.87	927939	49.1592 ng/ml
Trazodone	5.032	180677	902.86	65.5	1018.43	124392	53.3704 ng/ml
Venlafaxine	5.036	648568	1296.14	36.4	423.79	634819	47.4397 ng/ml
Zolpidem	4.809	1274553	5950.15	28.5	1710.54	987963	50.7303 ng/ml

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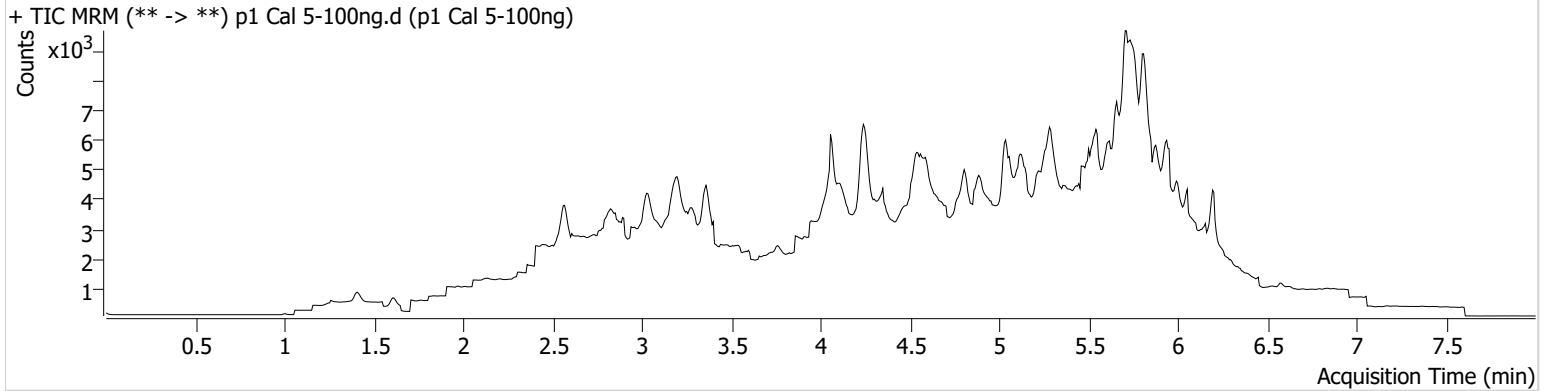


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 Cal 5-100ng.d
Type	Sample	Sample	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-E1	Comment	
Injection Volume	2		Did not inject properly.
Acq. Date-Time	1/19/2023 10:40:19 PM		See reinject data.
Sample Info.			

Sample Chromatogram



AG

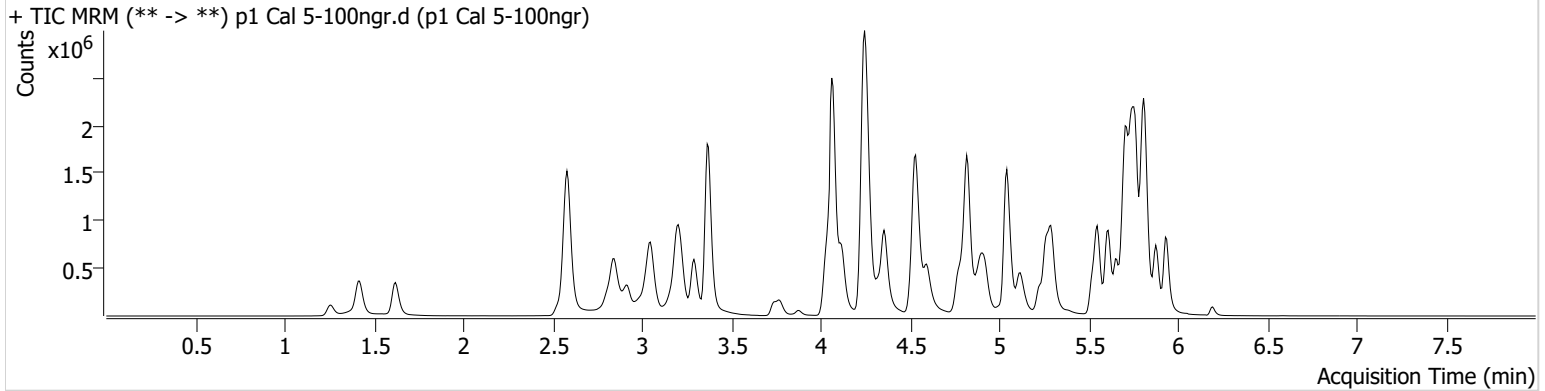


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 Cal 5-100ngr.d
Type	Cal	Sample	p1 Cal 5-100ngr
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-E1	Comment	Reinject data used for evaluation.
Injection Volume	2		
Acq. Date-Time	1/20/2023 6:05:13 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.140	30714	1168.88	71.5	1002.12	84980	10.1461 ng/ml
7-aminoclonazepam	4.244	558196	5957.35	81.3	9345.29	252201	101.8550 ng/ml
a-hydroxyalprazolam	5.689	271223	1212.38	64.9	273.12	888517	97.1742 ng/ml
alpha-PHP	4.928	230936	1728.73	245.7	3117.64	417128	100.3621 ng/ml
alpha-PVP	4.357	1111554	51360.05	52.4	11190.16	417128	98.3801 ng/ml
Alprazolam	5.766	1109469	5125.57	120.4	14897.09	478289	96.5851 ng/ml
Amphetamine	3.050	1170800	618.94	49.7	1528.15	208534	104.9697 ng/ml
Benzoylecgonine	3.877	56549	716.78	8.3	900.10	16899	103.6960 ng/ml
Buprenorphine	5.660	6822	373.25	14.5	1610.41	28027	9.9905 ng/ml
Bupropion	4.771	625562	1365.65	65.8	336.78	209191	101.3943 ng/ml
Carisoprodol	5.714	1310220	1049551.75	61.5	1381.84	506871	96.6620 ng/ml
Chlordiazepoxide	5.821	428558	8178.36	159.5	1716.85	567596	107.2093 ng/ml
Chlorpheniramine	5.118	772434	12949.45	0.3	113.18	341648	96.0470 ng/ml
Citalopram	5.225	364625	15470.31	39.3	74172.87	143408	97.4196 ng/ml
Clonazepam	5.608	1258973	3648.45	34.7	17514.25	172464	104.2061 ng/ml
Clonazolam	5.545	1134547	15952.37	36.3	268997.34	172464	105.9594 ng/ml
Cocaine	4.264	909502	93585.60	53.4	287.76	795663	98.5093 ng/ml
Codeine	2.586	142744	194.77	105.4	5399.04	78899	105.9664 ng/ml
Cyclobenzaprine	5.625	188483	5973.06	7.0	148.53	72474	97.6851 ng/ml
Dextromethorphan	5.269	154934	5167.38	81.4	134708.21	68596	101.9147 ng/ml
Dextrorphan	4.118	336719	1076.29	208.5	159848.76	341886	101.0158 ng/ml
Diazepam	5.938	723209	323.45	89.1	10848.31	326009	101.7108 ng/ml
Dihydrocodeine	2.558	412744	18719.39	59.0	135.07	246311	105.7958 ng/ml
Diphenhydramine	5.297	945134	113801.74	32.4	14294.28	466455	95.3188 ng/ml
DMT	2.858	163094	1802.04	126.0	3251.24	68596	102.8684 ng/ml
Doxylamine	4.531	2423247	6833.90	97.0	169056.98	1077004	100.5812 ng/ml
Duloxetine	5.651	15219	27371.82	11.8 Low	34.84	6858	104.4927 ng/ml
EDDP	5.262	857825	28053.20	42.5	5945.59	407350	98.0235 ng/ml
Etizolam	5.804	568457	5935.77	25.8	267830.60	172464	96.3018 ng/ml
Fentanyl	5.081	19605	465.38	66.6	20962.91	87820	9.9123 ng/ml
Flualprazolam	5.695	653769	18087.11	95.4	3448.65	478289	105.3810 ng/ml
Fluorofentanyl	5.135	40098	528.44	40.5	3220.74	806	9.4994 ng/ml
Fluoxetine	5.704	172117	695.65	7.2	57.20	55030	95.2886 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.019	599930	∞	34.1	147.19	293421	107.8216 ng/ml
Hydromorphone	1.622	532280	3308163.89	73.2	1876588.75	157818	100.2307 ng/ml
Hydroxyzine	5.687	291837	18951.61	73.6	925.10	68596	102.9658 ng/ml
Ketamine	4.036	1017370	18950.86	37.4	346.49	413009	105.0203 ng/ml
Lamotrigine	4.274	107641	3659.17	81.0	1557.79	1107488	91.7504 ng/ml
Lorazepam	5.737	612999	2891.81	51.2	491.04	458864	99.3732 ng/ml
MDA	3.198	1213971	9681.79	34.1	1508.87	398474	108.1247 ng/ml
MDMA	3.292	704103	4580.48	106.2	1818.21	78593	99.7125 ng/ml
Meprobamate	4.901	962023	73656.20	27.7	753.93	504855	101.4869 ng/ml
Methadone	5.656	569781	573.89	45.3	1057.94	212849	96.0091 ng/ml
Methamphetamine	3.219	824117	8148.96	36.7	3292.93	363723	104.1381 ng/ml
Metoprolol	4.320	249589	3547.44	103.7	9128.61	1167576	105.7446 ng/ml
Mirtazapine	4.593	661036	2979.81	49.5	3311.22	417128	88.8158 ng/ml
Mitragynine	5.209	92856	133716.32	37.9	742.95	212849	95.8123 ng/ml
Morphine	1.261	90146	1328.29	54.1	796.57	16319	101.7907 ng/ml
Norbuprenorphine	4.997	1267	3152.17	86.5	2514.76	5557	9.8755 ng/ml
Nordiazepam	5.877	741182	2331.36	59.7	618.94	231574	103.5291 ng/ml
Norfentanyl	4.078	207282	1186.23	38.2	974.19	760803	9.5944 ng/ml
Norhydrocodone	3.074	97337	∞	40.3	∞	62869	98.3043 ng/ml
Noroxycodone	2.917	566733	4220.21	44.4	1787.17	189338	101.9268 ng/ml
O-desmethyl-tramadol	3.372	2955106	52901.46	5.7	7116.78	1522950	98.9603 ng/ml
o-desmethylvenlafaxine	4.076	3973968	64666.41	18.2	9220.23	321780	99.8827 ng/ml
Olanzapine	4.386	57773	321.63	51.3	117.05	13132	99.3691 ng/ml
Oxazepam	5.740	1012519	614.64	77.4	10322.39	458864	100.5128 ng/ml
Oxycodone	2.835	1308531	1348.04	26.5	3326.22	485746	107.8395 ng/ml
Oxymorphone	1.418	730493	∞	42.0	783.61	235621	105.4703 ng/ml
Phentermine	3.774	330456	352.91	7.0	∞	366761	107.7248 ng/ml
Promethazine	5.541	293533	18430.64	32.2	3681.64	126398	97.3497 ng/ml
Pseudoephedrine	2.589	2408116	51046.60	18.2	63913.88	1107488	96.2461 ng/ml
Quetiapine	5.516	537842	267500.40	60.3	117680.08	82383	96.3212 ng/ml
Sertraline	5.773	63630	1064.20	106.5	5238.04	27110	99.5006 ng/ml
Temazepam	5.807	1897374	1136.44	27.0	843.57	888517	104.9606 ng/ml
Tramadol	4.239	2341972	162.96	3.5	290.24	1167576	104.9178 ng/ml
Trazodone	5.046	404463	142.90	68.4	269497.46	144169	104.1015 ng/ml
Venlafaxine	5.043	1824092	25385.65	36.8	711.21	879878	96.0221 ng/ml
Zolpidem	4.823	2908056	6004.24	28.0	1995.24	1124541	102.0424 ng/ml

AM #28 Multi-Drug Quant. Results

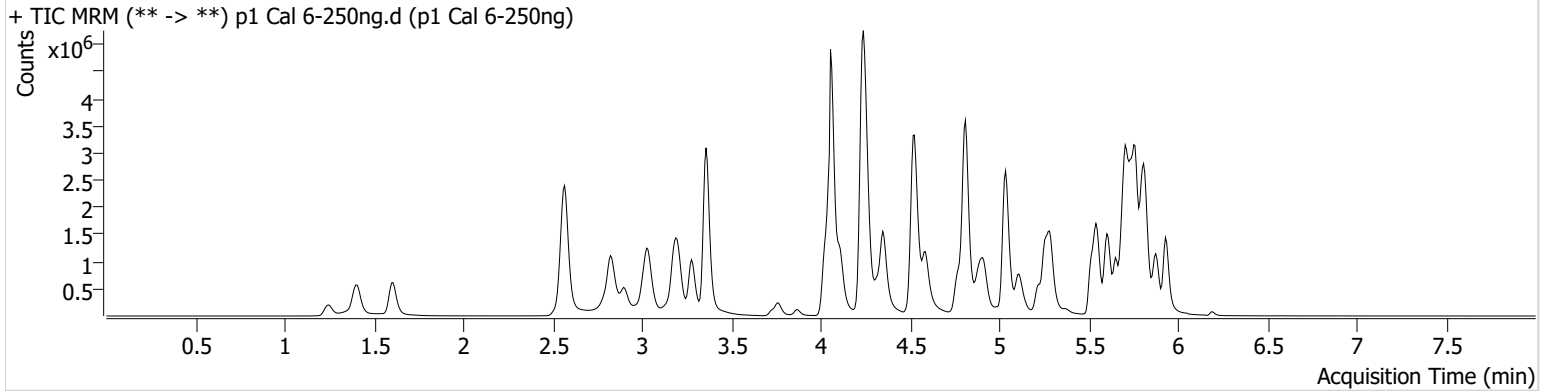
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Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	1/19/2023 10:50:56 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	65699	34038.31	72.8	63522.54	73446	25.0831 ng/ml
7-aminoclonazepam	4.237	1046735	28583.24	80.7	16511.16	219909	219.7227 ng/ml
a-hydroxyalprazolam	5.682	390841	644.08	65.7	581.02	511444	243.4376 ng/ml
alpha-PHP	4.921	405295	2232.87	248.9	5508.84	313499	233.4471 ng/ml
alpha-PVP	4.350	2089880	1762.78	52.8	986.30	313499	245.9710 ng/ml
Alprazolam	5.759	2206559	4832.59	116.9	∞	354792	258.4168 ng/ml
Amphetamine	3.037	1982923	3055.34	46.6	2124.29	152940	243.6669 ng/ml
Benzoylcegonine	3.864	125362	22745.59	8.7	43667.07	15673	248.6004 ng/ml
Buprenorphine	5.653	13313	250.66	14.9	3936.58	20800	27.0956 ng/ml
Bupropion	4.765	1022544	1587.23	66.6	608.78	140741	246.7141 ng/ml
Carisoprodol	5.714	2204264	472.24	62.7	282.15	325789	252.1844 ng/ml
Chlordiazepoxide	5.821	612643	8330.32	180.6	8675.29	360085	247.9556 ng/ml
Chlorpheniramine	5.111	1568060	9384.81	0.3	32.68	270590	245.2516 ng/ml
Citalopram	5.218	747790	650.37	38.9	257.99	113487	252.4883 ng/ml
Clonazepam	5.601	2302128	17452.59	34.3	27470.88	130237	253.3774 ng/ml
Clonazolam	5.545	2072648	561967.18	36.8	555909.01	130237	256.6068 ng/ml
Cocaine	4.251	1829520	550.46	54.7	40528.04	633842	248.7684 ng/ml
Codeine	2.566	263388	255.83	103.8	131.33	62950	246.6782 ng/ml
Cyclobenzaprine	5.618	403286	201.27	7.1	125.39	60869	247.2263 ng/ml
Dextromethorphan	5.262	306735	2086.90	79.6	8920.39	54722	253.7893 ng/ml
Dextrorphan	4.111	618620	691.53	213.5	56187.74	258404	245.3132 ng/ml
Diazepam	5.931	1482505	1538.07	89.0	1774.65	265973	256.1181 ng/ml
Dihydrocodeine	2.545	815320	763.66	60.9	990.91	212129	243.8404 ng/ml
Diphenhydramine	5.290	1797904	266535.84	31.7	9304.76	338163	250.3031 ng/ml
DMT	2.838	305842	4256.44	127.4	32121.31	54722	243.6016 ng/ml
Doxylamine	4.525	5093481	1516.97	96.0	168888.37	873632	260.4249 ng/ml
Duloxetine	5.644	32258	5497.67	14.5	709.99	5753	261.1758 ng/ml
EDDP	5.255	1665281	27829.24	44.3	305.23	321386	241.1574 ng/ml
Etizolam	5.797	1120451	2892.76	26.8	10526.14	130237	250.5692 ng/ml
Fentanyl	5.074	37234	160.91	74.3	47584.95	68265	24.0458 ng/ml
Flualprazolam	5.695	1198764	34912.73	97.1	1546335.14	354792	261.3413 ng/ml
Fluorofentanyl	5.128	81608	2667.29	41.1	21703.59	603	25.9748 ng/ml
Fluoxetine	5.704	309733	117912.07	7.6	25890.47	37822	249.0549 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.006	1167832	∞	34.8	∞	244276	253.5665 ng/ml
Hydromorphone	1.609	1119186	4473.87	72.9	14249.51	131815	251.9066 ng/ml
Hydroxyzine	5.687	586538	252496.14	76.1	2000.04	54722	260.7847 ng/ml
Ketamine	4.030	2124159	5114.12	37.0	20504.67	358592	253.3417 ng/ml
Lamotrigine	4.260	221426	1681.80	82.0	13034.56	821887	257.0367 ng/ml
Lorazepam	5.730	746918	26866.92	51.4	683.30	257337	217.8800 ng/ml
MDA	3.184	1966159	7608.01	34.0	2047.57	270497	259.2914 ng/ml
MDMA	3.278	1271481	1583869.51	107.2	12611.05	56826	249.1992 ng/ml
Meprobamate	4.895	1671032	73459.66	28.0	48772.65	406392	220.1195 ng/ml
Methadone	5.649	1150438	28272.20	45.1	1129.64	164512	251.3424 ng/ml
Methamphetamine	3.205	1477043	2331.07	36.1	3769.20	269017	257.2784 ng/ml
Metoprolol	4.320	459201	377826.90	105.3	1384.07	865846	262.6514 ng/ml
Mirtazapine	4.586	1585125	153204.95	49.7	96742.89	313499	282.4148 ng/ml
Mitragynine	5.202	191962	62511.31	36.5	1777.36	164512	256.6949 ng/ml
Morphine	1.247	192092	654.11	54.3	2805.64	13834	256.2964 ng/ml
Norbuprenorphine	4.990	2090	3846.15	101.8	18625.34	3785	23.1911 ng/ml
Nordiazepam	5.877	1352678	∞	60.4	614.40	172046	255.1081 ng/ml
Norfentanyl	4.078	397258	8510.12	38.1	3303.73	545141	25.5564 ng/ml
Norhydrocodone	3.060	169285	382.85	41.5	264.21	43458	245.8727 ng/ml
Noroxycodone	2.897	982456	25812.76	44.0	1868.07	134754	248.7800 ng/ml
O-desmethyl-tramadol	3.359	6386233	150927.70	5.5	1971.11	1278530	254.2867 ng/ml
o-desmethylvenlafaxine	4.056	7950023	201491.26	18.7	5535.35	256718	249.5177 ng/ml
Olanzapine	4.366	143099	308.67	54.9	668.74	13192	243.7850 ng/ml
Oxazepam	5.740	1396765	268.77	72.1	231.55	257337	248.1490 ng/ml
Oxycodone	2.822	2633096	13778.15	26.7	1038.02	413410	256.2193 ng/ml
Oxymorphone	1.405	1402831	∞	42.2	∞	197659	241.9466 ng/ml
Phentermine	3.767	560406	1883.80	6.7	279.51	260754	258.3003 ng/ml
Promethazine	5.535	653275	13849.87	31.5	2684.46	108856	250.9717 ng/ml
Pseudoephedrine	2.569	4594404	108947.38	18.1	136283.48	821887	246.7116 ng/ml
Quetiapine	5.510	1408906	509.01	59.5	1148014.24	82818	251.9914 ng/ml
Sertraline	5.766	116929	11092.37	103.2	926.30	20193	245.9066 ng/ml
Temazepam	5.800	2596500	1292.06	26.3	4711.04	511444	250.5708 ng/ml
Tramadol	4.232	4400139	∞	3.4	409.74	865846	266.4837 ng/ml
Trazodone	5.025	1049233	2139.92	69.5	965741.28	158686	246.8293 ng/ml
Venlafaxine	5.036	3487582	224343.84	35.1	1117.14	651131	247.7152 ng/ml
Zolpidem	4.809	7030521	23599.85	26.8	5445.37	1031009	269.6523 ng/ml

214

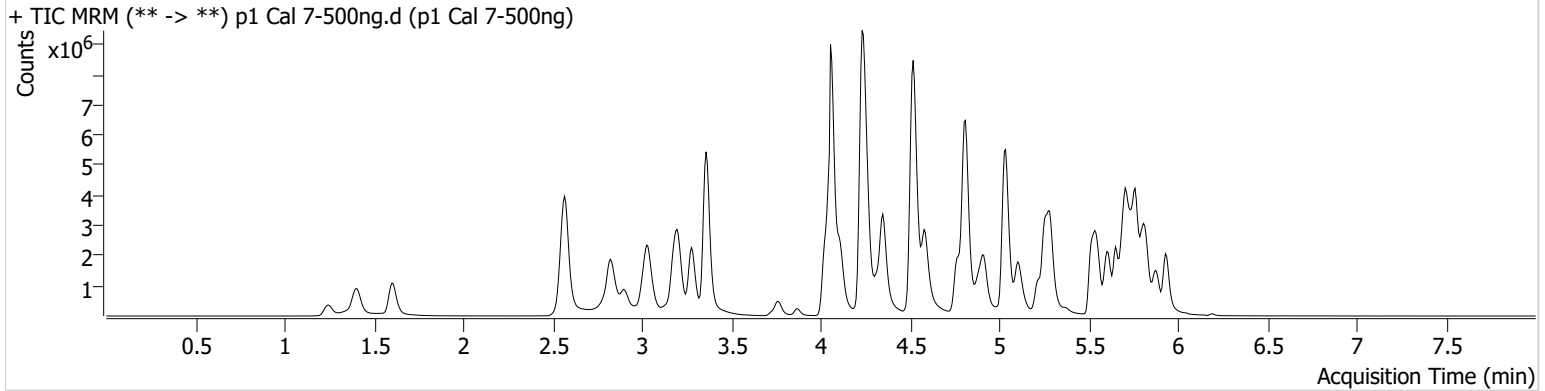


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	1/19/2023 11:01:33 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	141442	852.94	70.7	593.10	77980	50.8409 ng/ml
7-aminoclonazepam	4.237	1339393	13621.50	80.9	13364.73	176273	351.1046 ng/ml
a-hydroxyalprazolam	5.675	456190	311.72	66.9	502.97	294709	493.2166 ng/ml
alpha-PHP	4.915	1012286	4387.69	249.9	3265.02	345472	528.2419 ng/ml
alpha-PVP	4.350	4865579	49637.14	52.0	705.94	345472	519.5580 ng/ml
Alprazolam	5.759	3529938	1479.06	115.0	960.28	278526	526.2668 ng/ml
Amphetamine	3.037	3952556	45069.90	46.6	17812.67	183585	405.2614 ng/ml
Benzoylecgonine	3.864	257425	1261.09	8.5	3758.71	16092	497.7104 ng/ml
Buprenorphine	5.653	27091	729.46	16.4	226.68	22946	50.4098 ng/ml
Bupropion	4.765	2712539	95543.83	65.2	1047.47	185690	496.3032 ng/ml
Carisoprodol	5.714	2973569	279.18	63.2	257.25	216323	511.8248 ng/ml
Chlordiazepoxide	5.821	787001	1817.06	197.1	6687.23	241575	479.4339 ng/ml
Chlorpheniramine	5.104	3897537	8877.85	0.3	331.37	324740	507.3090 ng/ml
Citalopram	5.218	1623333	35026.41	38.5	976.25	122704	506.9519 ng/ml
Clonazepam	5.601	3317501	59949.33	34.1	71456.96	99483	478.6621 ng/ml
Clonazolam	5.545	3085999	77659.54	36.4	74296.01	99483	500.3611 ng/ml
Cocaine	4.251	3663232	2668.96	53.7	43469.75	628479	502.3713 ng/ml
Codeine	2.573	425398	746.11	101.8	15060.32	57776	435.0276 ng/ml
Cyclobenzaprine	5.618	790193	39361.64	6.9	77.25	57847	508.5973 ng/ml
Dextromethorphan	5.262	685900	76433.08	77.1	380.79	60581	513.2240 ng/ml
Dextrorphan	4.111	1337814	842.96	212.8	5613.00	273354	501.3272 ng/ml
Diazepam	5.931	2367197	15339.84	90.2	24746.99	220592	493.4307 ng/ml
Dihydrocodeine	2.545	1465427	45036.05	60.5	125.62	229636	405.4590 ng/ml
Diphenhydramine	5.290	4319742	827.74	32.3	1100.39	401796	506.2687 ng/ml
DMT	2.838	628925	1336.84	133.5	44345.38	60581	453.6293 ng/ml
Doxylamine	4.518	12880262	2905.37	95.2	232629.57	1082478	531.3648 ng/ml
Duloxetine	5.644	55507	1592.60	14.4	2728.09	4925	523.0719 ng/ml
EDDP	5.255	4317803	1027.37	42.5	1009.76	391765	512.9262 ng/ml
Etizolam	5.797	1822348	9567.25	25.7	210234.40	99483	532.9689 ng/ml
Fentanyl	5.074	83503	804.20	72.5	68.65	71197	51.5680 ng/ml
Flualprazolam	5.695	1698215	81178.57	100.5	23005.14	278526	472.0680 ng/ml
Fluorofentanyl	5.128	169257	3355.97	42.2	2926.57	634	51.2598 ng/ml
Fluoxetine	5.704	440271	331.37	8.1	661.15	25297	529.0051 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.006	2261932	∞	35.3	295.99	256992	467.7362 ng/ml
Hydromorphone	1.609	2135163	10502943.27	73.0	15621381.16	127375	497.0653 ng/ml
Hydroxyzine	5.687	1055541	62140.87	75.8	3541.11	60581	424.4938 ng/ml
Ketamine	4.030	4204561	153670.22	36.0	19989.30	373726	481.6672 ng/ml
Lamotrigine	4.267	329698	1054.18	81.8	6497.39	730512	431.6273 ng/ml
Lorazepam	5.730	812480	23229.08	51.9	2139.34	135433	452.1305 ng/ml
MDA	3.184	3715526	1379.16	33.7	4407.38	286779	462.9168 ng/ml
MDMA	3.278	2909747	14858.82	107.9	2349.45	63907	507.2142 ng/ml
Meprobamate	4.888	2530481	26351.86	26.9	5409.92	359729	377.2615 ng/ml
Methadone	5.649	2713249	1223.30	44.6	24095.09	195296	499.6661 ng/ml
Methamphetamine	3.205	3574347	50912.39	35.6	1147.93	335409	502.6147 ng/ml
Metoprolol	4.313	957508	1095.69	105.1	7794.93	945054	501.9543 ng/ml
Mirtazapine	4.586	4017076	149313.56	49.3	2110.18	345472	648.8984 ng/ml
Mitragynine	5.202	424245	473039.85	36.5	225041.52	195296	478.1009 ng/ml
Morphine	1.247	363462	814.78	54.5	∞	13514	496.7163 ng/ml
Norbuprenorphine	4.984	5255	6731.47	92.5	∞	4250	51.2776 ng/ml
Nordiazepam	5.877	1880018	6914.33	59.1	8152.43	129971	469.7996 ng/ml
Norfentanyl	4.078	785962	25776.14	37.9	714.78	481563	57.1597 ng/ml
Norhydrocodone	3.060	343349	∞	41.5	∞	40500	533.9782 ng/ml
Noroxycodone	2.904	1674417	8732.50	44.4	9720.01	114726	498.3808 ng/ml
O-desmethyl-tramadol	3.359	12760828	97280.49	5.5	14827.06	1226167	529.4924 ng/ml
o-desmethylvenlafaxine	4.056	15627652	168518.01	18.3	7923.61	239218	525.6737 ng/ml
Olanzapine	4.359	324675	283.48	56.0	773.66	13018	559.4244 ng/ml
Oxazepam	5.740	1423826	88.38	74.4	98.27	135433	481.2258 ng/ml
Oxycodone	2.815	4839077	5047.81	26.9	2532.81	425172	458.5720 ng/ml
Oxymorphone	1.398	2505521	∞	44.3	∞	170622	501.0192 ng/ml
Phentermine	3.767	1271819	8557.35	6.8	2673.24	327665	467.2801 ng/ml
Promethazine	5.535	1290073	11101.03	31.8	625.14	108096	498.7205 ng/ml
Pseudoephedrine	2.569	8746472	143627.62	17.8	161704.54	730512	527.8930 ng/ml
Quetiapine	5.510	3246436	549.80	59.6	1876.40	94956	507.0468 ng/ml
Sertraline	5.773	157023	1952.76	103.6	5213.47	13466	495.4728 ng/ml
Temazepam	5.800	2752099	10440.70	25.9	1772.07	294709	461.5369 ng/ml
Tramadol	4.232	8902238	6802.67	3.4	∞	945054	494.3272 ng/ml
Trazodone	5.025	2113187	84613.36	71.5	726.67	184181	429.1083 ng/ml
Venlafaxine	5.036	8295803	122804.42	34.4	1192.90	724675	529.1676 ng/ml
Zolpidem	4.809	13672015	208971.34	27.1	5500.95	1071653	504.8015 ng/ml

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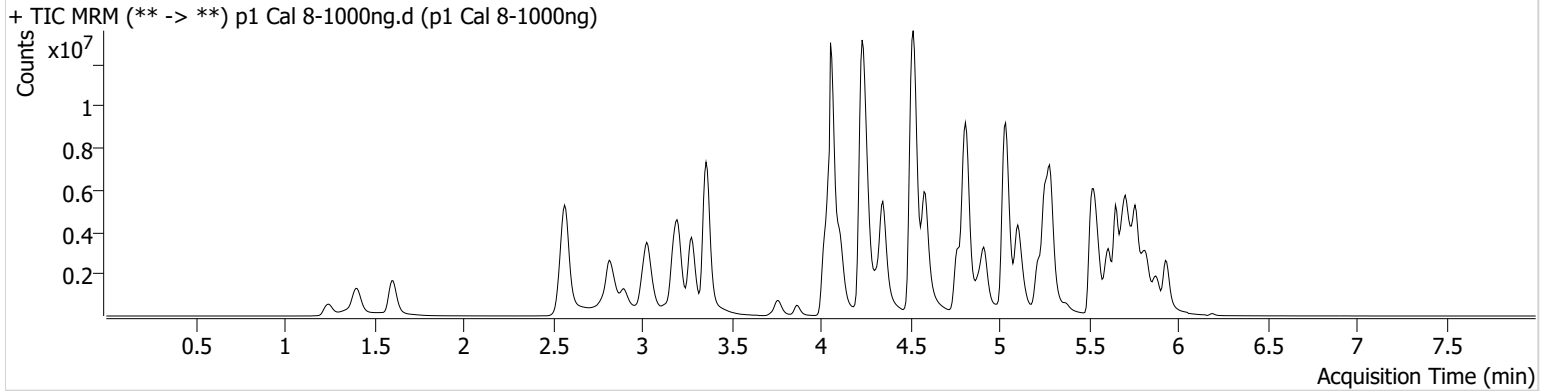


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 2/8/2023 3:54:35 PM

Instrument	Falco (069901)	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	1/19/2023 11:12:11 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.126	255017	10593.45	71.6	710098.61	69971	102.1378 ng/ml
7-aminoclonazepam	4.231	1249971	14288.29	90.0	14566.12	131601	439.0379 ng/ml
a-hydroxyalprazolam	5.675	499866	234.23	65.1	246.22	145393	1095.5896 ng/ml
alpha-PHP	4.915	1848483	3283.15	252.4	57988.27	281671	1182.2353 ng/ml
alpha-PVP	4.350	8134728	1141.94	51.3	51218.15	281671	1065.3011 ng/ml
Alprazolam	5.759	4600811	168.54	107.9	1149.04	183630	1040.0746 ng/ml
Amphetamine	3.037	5936022	117242.94	46.7	1187.79	166852	670.2934 ng/ml
Benzoylecgonine	3.864	551042	3075.34	8.5	514.48	16327	1050.6697 ng/ml
Buprenorphine	5.653	52976	257.12	16.2	696.29	23947	94.8956 ng/ml
Bupropion	4.765	4600070	4343.09	64.4	2432.69	159152	982.2533 ng/ml
Carisoprodol	5.714	3494509	233.07	61.2	257.90	118334	1098.9826 ng/ml
Chlordiazepoxide	5.821	903668	995.42	206.8	3776.34	136708	978.0241 ng/ml
Chlorpheniramine	5.104	10236577	46946.57	0.3	532.67	417378	1036.0570 ng/ml
Citalopram	5.218	3723031	52752.59	38.3	44793.04	137181	1039.9810 ng/ml
Clonazepam	5.601	4091793	79860.87	33.5	3865.93	66106	889.0829 ng/ml
Clonazolam	5.552	3783934	1218825.85	37.0	782559.82	66106	923.4434 ng/ml
Cocaine	4.251	5935862	59292.24	51.9	7144.14	493238	1037.2529 ng/ml
Codeine	2.566	611269	110.50	100.9	411.51	44201	818.1548 ng/ml
Cyclobenzaprine	5.618	2395679	44827.26	6.8	3913.52	87156	1022.3499 ng/ml
Dextromethorphan	5.262	1411754	24031.10	77.1	507.96	63413	1009.7283 ng/ml
Dextrorphan	4.111	2269408	1069962.60	218.0	204091.49	225153	1032.3215 ng/ml
Diazepam	5.931	3399758	346.46	89.1	558.55	161608	967.6687 ng/ml
Dihydrocodeine	2.538	2293626	28917.73	61.5	181.60	218839	666.5022 ng/ml
Diphenhydramine	5.290	9815595	865.48	31.3	45265.50	421959	1095.5444 ng/ml
DMT	2.838	1048422	39021.20	138.0	64653.06	63413	723.2132 ng/ml
Doxylamine	4.522	22337200	136160.60	97.0	139029.88	1040498	958.5785 ng/ml
Duloxetine	5.644	147324	8224.05	15.3	36631.07	7725	883.7564 ng/ml
EDDP	5.255	8965473	49303.95	41.5	63279.76	388823	1073.0727 ng/ml
Etizolam	5.797	2484967	1910.61	25.7	11096.37	66106	1093.1733 ng/ml
Fentanyl	5.074	237855	190.53	71.3	∞	97066	107.6105 ng/ml
Flualprazolam	5.695	1969587	14213.89	98.6	11365.32	183630	830.8818 ng/ml
Fluorofentanyl	5.128	489796	17982.49	42.2	1203.13	850	110.6939 ng/ml
Fluoxetine	5.711	1036655	480.83	8.0	420.80	29026	1085.2669 ng/ml

214



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.006	3883020	∞	34.8	1246.76	231214	893.4593 ng/ml
Hydromorphone	1.609	3586675	22944011.64	73.5	9161269.88	106259	1000.6249 ng/ml
Hydroxyzine	5.687	2724723	53911.27	76.4	1954.52	63413	1048.1555 ng/ml
Ketamine	4.023	6933208	791657.07	35.4	9083.93	327708	906.2882 ng/ml
Lamotrigine	4.267	406054	9061.22	80.0	783.63	529997	733.7741 ng/ml
Lorazepam	5.730	909301	21580.81	50.0	75.31	65836	1043.1142 ng/ml
MDA	3.178	5484929	67036.70	32.7	1324.74	240814	814.5234 ng/ml
MDMA	3.278	4985876	98123.12	106.4	20626.97	55766	996.0970 ng/ml
Meprobamate	4.895	3280471	43543.37	27.3	16901.60	285941	615.8955 ng/ml
Methadone	5.649	7015553	3063.91	43.3	28591.24	233573	1080.6269 ng/ml
Methamphetamine	3.205	6552184	1455.22	35.2	59333.19	326146	950.5827 ng/ml
Metoprolol	4.313	1436149	88486.42	105.6	4238.96	807339	881.4508 ng/ml
Mirtazapine	4.586	9293722	177584.80	47.6	202129.09	281671	1840.5012 ng/ml
Mitragynine	5.202	1058361	823393.09	37.7	5308.08	233573	997.5278 ng/ml
Morphine	1.247	600151	6992.49	54.4	∞	11631	953.2198 ng/ml
Norbuprenorphine	4.990	11578	9907.02	94.1	∞	4759	100.3785 ng/ml
Nordiazepam	5.877	2415159	∞	58.3	38161.32	84254	931.5330 ng/ml
Norfentanyl	4.078	1201680	29182.70	38.2	7919.12	317615	132.4207 ng/ml
Norhydrocodone	3.054	597219	953.67	40.7	662.88	33568	1119.5639 ng/ml
Noroxycodone	2.897	2378097	418.46	43.9	279.46	81124	1001.3694 ng/ml
O-desmethyl-tramadol	3.359	19698578	206791.20	5.7	32587.63	989730	1012.3591 ng/ml
o-desmethylvenlafaxine	4.056	23997260	605273.98	18.8	11207.90	179094	1077.5383 ng/ml
Olanzapine	4.352	990798	16273.80	57.2	1828.41	21331	1041.1484 ng/ml
Oxazepam	5.740	1322853	81.80	73.2	5357.98	65836	920.3020 ng/ml
Oxycodone	2.815	7578688	1919.96	26.5	1113.01	371677	822.2825 ng/ml
Oxymorphone	1.398	4192512	∞	41.9	1440.96	147623	969.3343 ng/ml
Phentermine	3.767	2131322	6006.72	6.6	5236.66	317345	809.2449 ng/ml
Promethazine	5.535	3900434	5071.03	31.0	8742.76	149842	1087.3081 ng/ml
Pseudoephedrine	2.569	13295282	99692.67	17.1	81001.00	529997	1105.5191 ng/ml
Quetiapine	5.510	7606602	∞	59.8	65722.08	115111	980.6079 ng/ml
Sertraline	5.773	375356	20246.22	104.1	22016.42	14413	1106.9478 ng/ml
Temazepam	5.800	2635400	9001.41	26.4	846.81	145393	896.5651 ng/ml
Tramadol	4.232	13584921	∞	3.7	128.72	807339	883.3693 ng/ml
Trazodone	5.025	4759184	8169.81	74.3	64696.95	279554	637.2368 ng/ml
Venlafaxine	5.036	14374973	71336.63	33.9	1670.57	618259	1074.5261 ng/ml
Zolpidem	4.809	21404242	2796.27	28.6	6990.09	971407	872.1029 ng/ml

AG

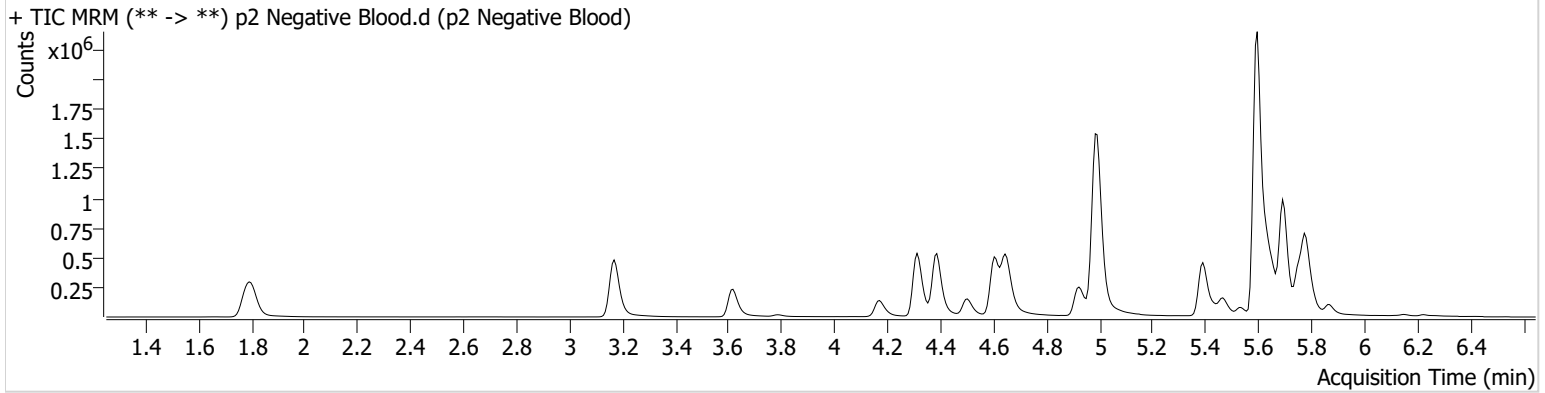


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument	Falco (069901)	Data File	p2 Negative Blood.d
Type	Sample	Sample	p2 Negative Blood
Acq. Method	AM 28 MDQ P2 Updated 081022 CS.m	Operator	Amber Gerheart
Sample Position	P2-F7	Comment	
Injection Volume	5		
Acq. Date-Time	1/20/2023 1:14:17 PM		
Sample Info.			

Sample Chromatogram



AG

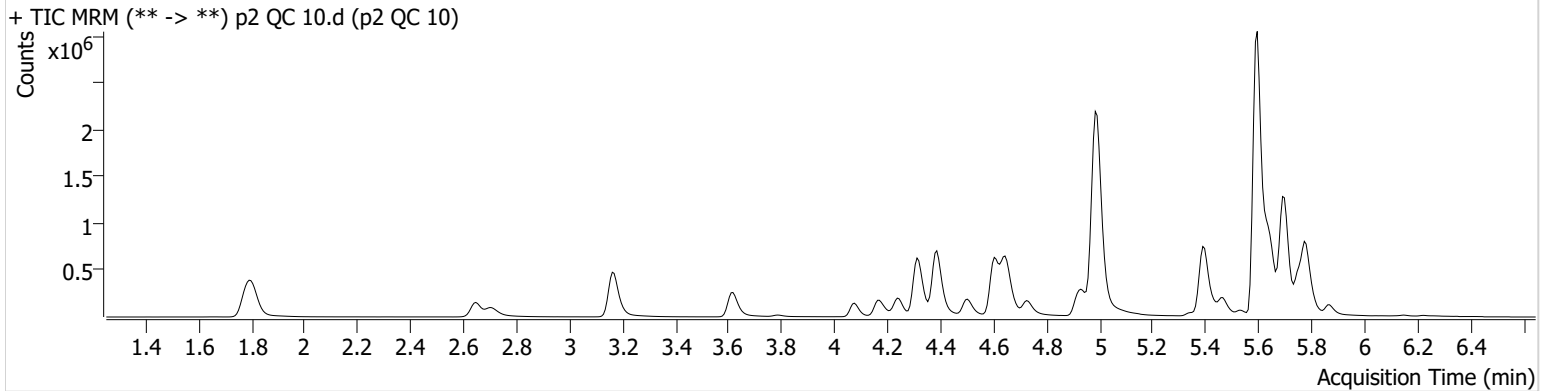


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 QC 10.d
Type QC **Sample** p2 QC 10
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-A7 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 11:59:09 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.656	5771	1102.80	3956.0	3979.75	906615	11.1924 ng/ml
acetyl-fentanyl	4.651	4032	48.44	85.6	2147.70	224485	0.9250 ng/ml
alpha-hydroxymidazolam	5.780	139650	847.80	57.1	924.14	1099084	10.6201 ng/ml
Amitriptyline	5.687	12705	66.68	100.5	305.29	48789	10.7023 ng/ml
Midazolam	5.760	58970	6983.25	95.9	1570.22	794755	10.0060 ng/ml
Nortriptyline	5.709	11652	7235.77	34.0	100.66	34701	10.3705 ng/ml

AG

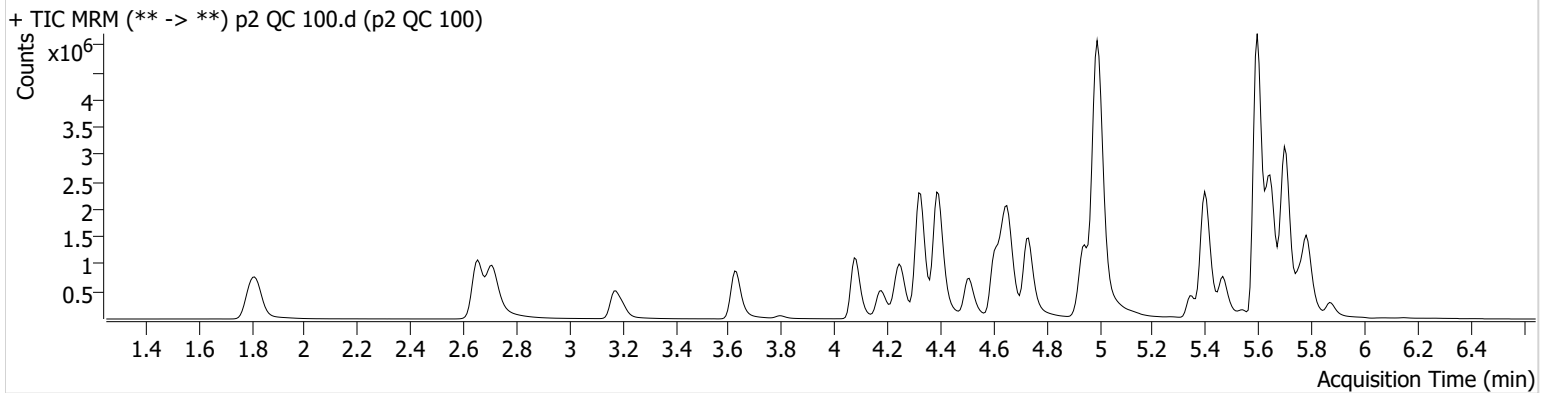


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 QC 100.d
Type QC **Sample** p2 QC 100
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-B7 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 3:23:04 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.656	64089	460.37	3928.3	9541.20	982284	102.7274 ng/ml
acetyl-fentanyl	4.658	42106	483.76	74.4	1229.21	213754	9.5680 ng/ml
alpha-hydroxymidazolam	5.787	1125682	8104.13	54.1	4388.98	856118	94.0294 ng/ml
Amitriptyline	5.687	88377	468.35	96.4	410.84	33625	102.4256 ng/ml
Maprotiline	5.660	51543	439.23	187.3	601.64	33625	103.5974 ng/ml
Midazolam	5.760	514293	3690.00	93.3	1001.57	700507	109.5535 ng/ml
Nortriptyline	5.709	68698	2411.01	35.7	1115.22	20789	96.5147 ng/ml
Topiramate	4.977	111169	645.57	35.5	19729.01	110008	100.4940 ng/ml

AG

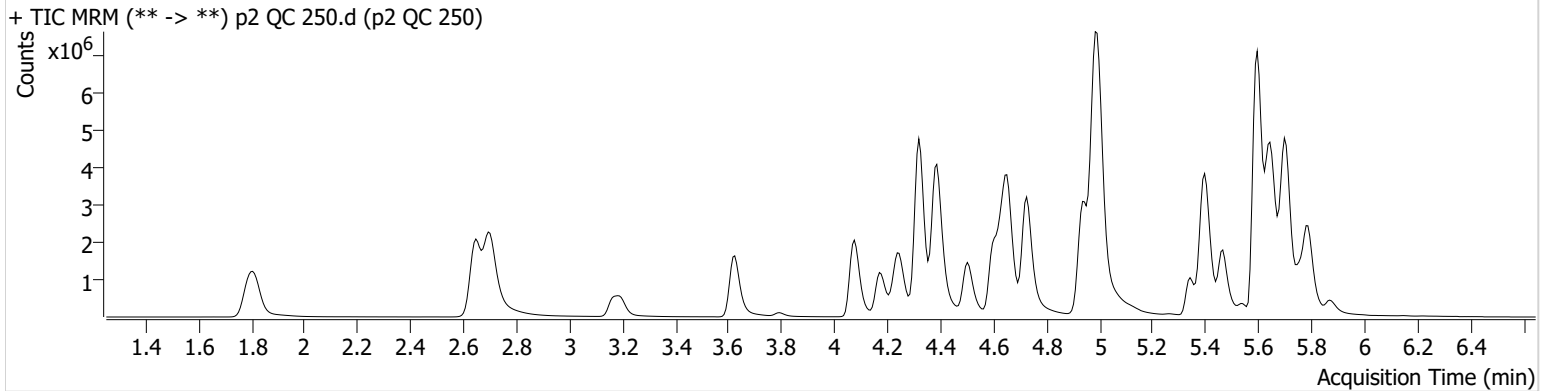


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 QC 250.d
Type QC **Sample** p2 QC 250
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-C7 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 12:20:37 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.656	143057	1073.56	4069.7	49027.80	863447	258.8681 ng/ml
acetyl-fentanyl	4.651	104015	489.72	75.9	182331.09	206991	24.3182 ng/ml
alpha-hydroxymidazolam	5.787	2242238	6702.38	53.4	4713.98	672361	235.8763 ng/ml
Amitriptyline	5.687	322977	1411.87	94.3	2048.99	47962	261.4675 ng/ml
Maprotiline	5.660	182450	1762.21	192.5	1209.19	47962	286.7523 ng/ml
Midazolam	5.760	1088046	5088.72	90.6	3644.19	596973	273.7280 ng/ml
Nortriptyline	5.709	251538	11987.19	35.7	1019.49	29629	246.9680 ng/ml
Topiramate	4.970	186382	369602.21	36.7	60198.00	89818	258.7667 ng/ml

214

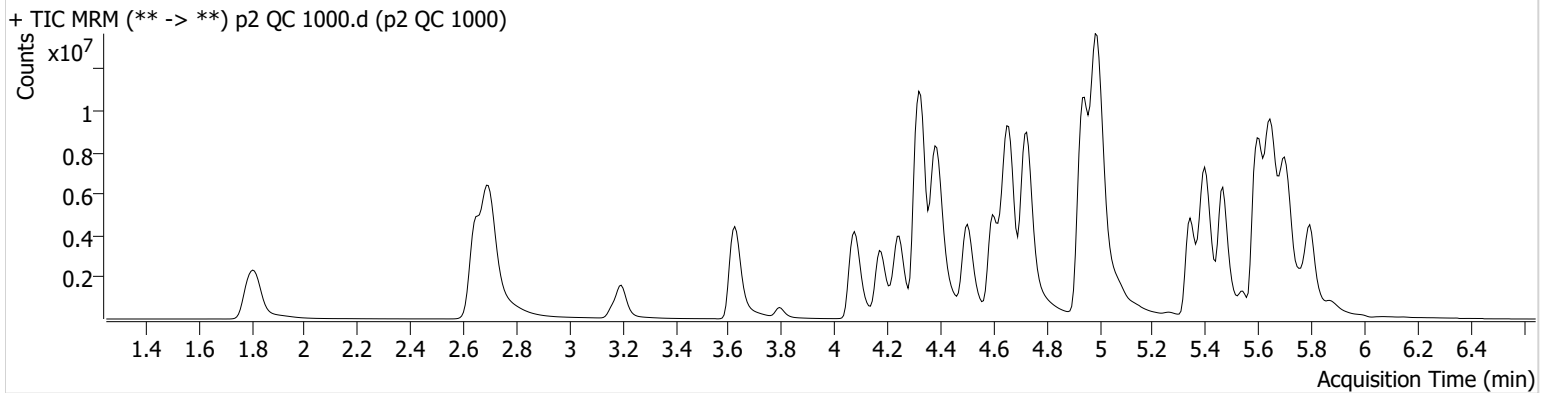


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 QC 1000.d
Type QC **Sample** p2 QC 1000
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-D7 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 12:42:05 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.656	474032	1093.66	4341.3	1234929.86	720876	1023.5827 ng/ml
acetyl-fentanyl	4.651	414949	2447.67	79.5	5746.09	216129	92.7476 ng/ml
alpha-hydroxymidazolam	5.787	4322739	6260.21	53.3	2719.17	299562	1015.0024 ng/ml
Amitriptyline	5.680	1351133	2196.28	89.8	8076.66	48596	1077.6210 ng/ml
Maprotiline	5.660	538674	2380.41	236.3	20908.86	48596	873.8797 ng/ml
Midazolam	5.760	2544506	2608.52	91.8	2654.23	396531	966.7142 ng/ml
Nortriptyline	5.709	832157	13690.31	36.0	22171.84	25607	943.5745 ng/ml
Topiramate	4.970	239760	173765.93	34.4	61.64	37178	909.0511 ng/ml

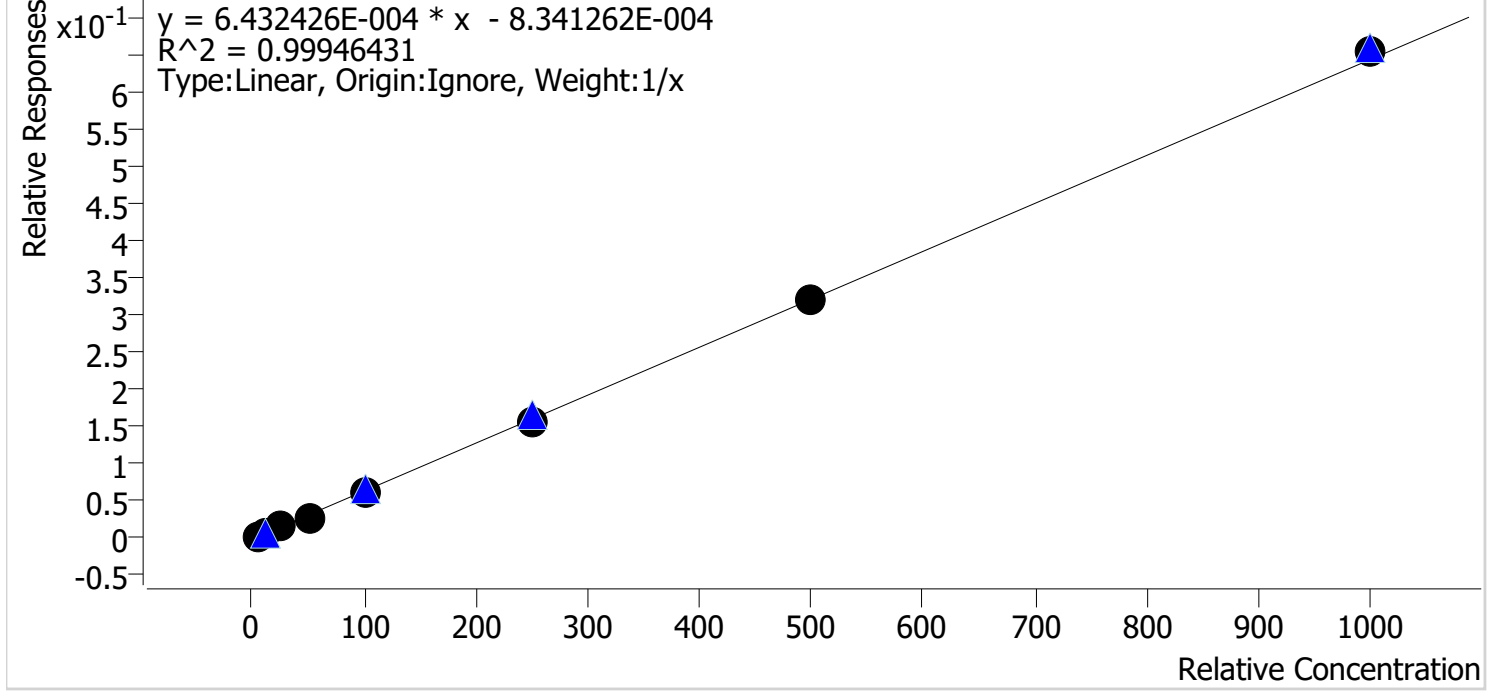
2/9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Last Cal. Update 2/7/2023 5:37 PM
Analyst Name ISP\Datastor
Analyte 9-Hydroxyrisperidone **Internal Standard** 9-OH-Respiridone-D4

9-Hydroxyrisperidone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



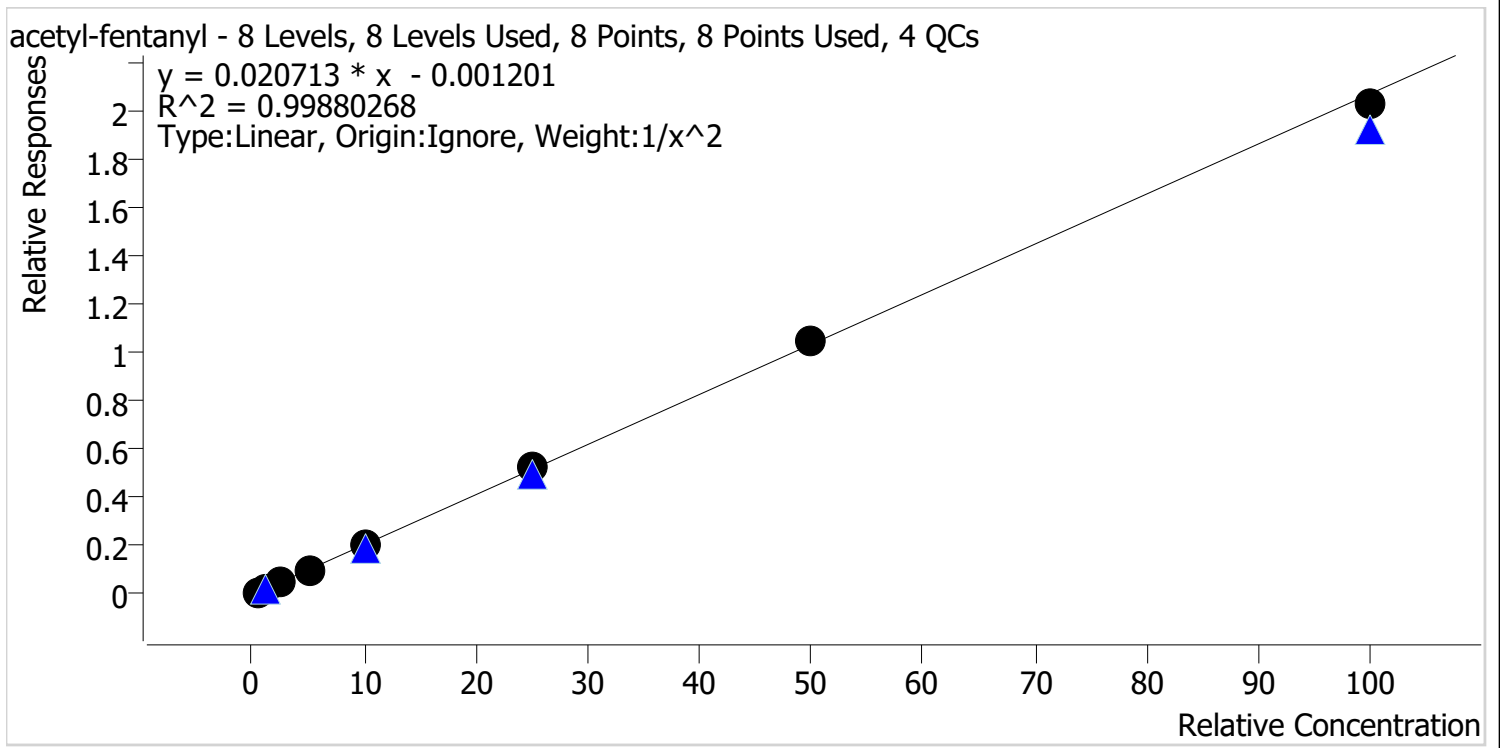
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	5.4	108.7
p2 Cal 2-10ng	2	✓	10.0	10.7	107.1
p2 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p2 Cal 4-50ng	4	✓	50.0	46.0	91.9
p2 Cal 5-100ng	5	✓	100.0	96.2	96.2
p2 Cal 6-250ng	6	✓	250.0	243.2	97.3
p2 Cal 7-500ng	7	✓	500.0	500.4	100.1
p2 Cal 8-1000ng	8	✓	1000.0	1013.7	101.4

214



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Last Cal. Update 2/7/2023 5:37 PM
Analyst Name ISP\Datastor
Analyte acetyl-fentanyl **Internal Standard** acetyl-fentanyl-d5



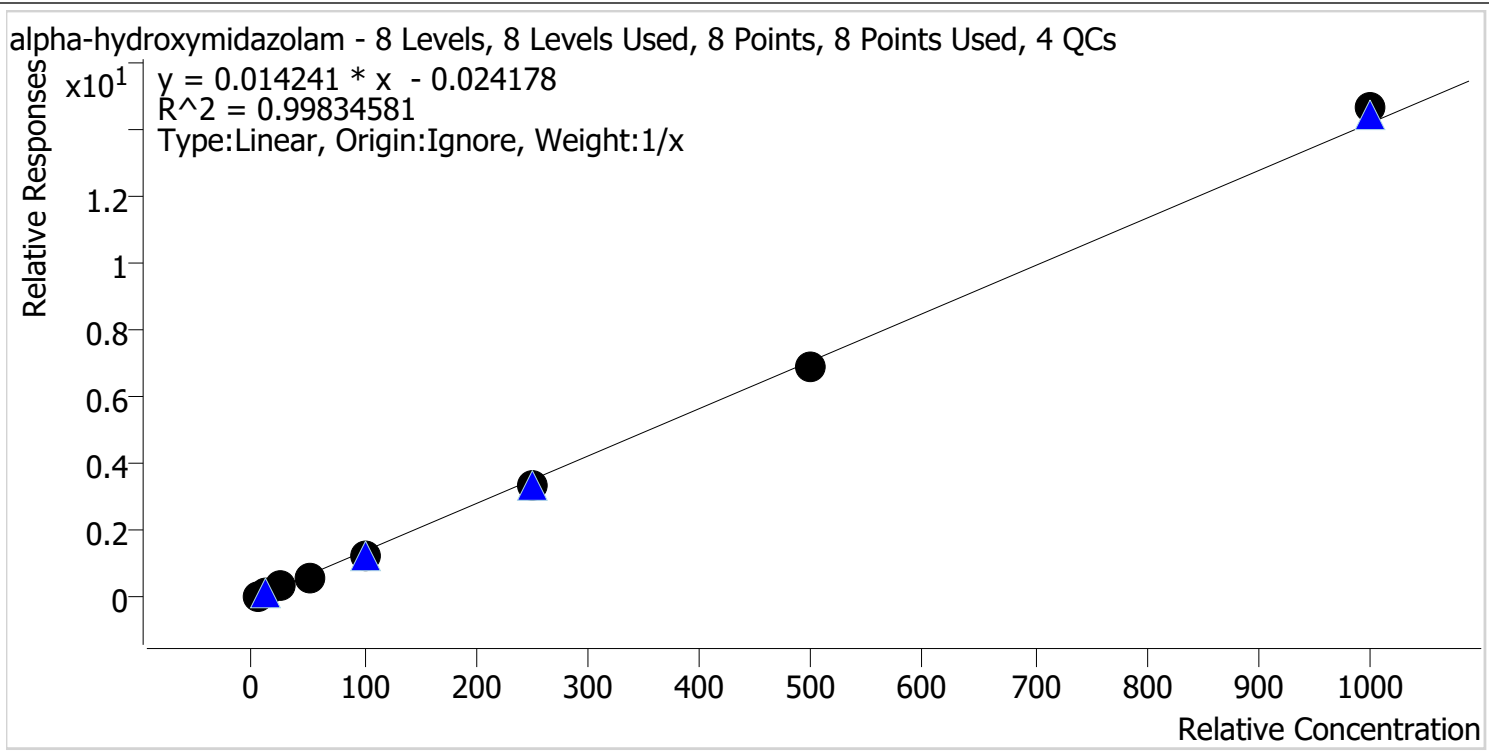
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	0.5	0.5	98.0
p2 Cal 2-10ng	2	✓	1.0	1.0	104.8
p2 Cal 3 -25ng	3	✓	2.5	2.5	100.5
p2 Cal 4-50ng	4	✓	5.0	4.8	95.4
p2 Cal 5-100ng	5	✓	10.0	9.9	99.3
p2 Cal 6-250ng	6	✓	25.0	25.7	102.7
p2 Cal 7-500ng	7	✓	50.0	50.8	101.6
p2 Cal 8-1000ng	8	✓	100.0	97.9	97.9

214



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Last Cal. Update 2/7/2023 5:37 PM
Analyst Name ISP\Datastor
Analyte alpha-hydroxymidazolam **Internal Standard** alpha-hydroxymidazolam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	5.8	116.6
p2 Cal 2-10ng	2	✓	10.0	10.6	106.5
p2 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p2 Cal 4-50ng	4	✓	50.0	45.4	90.8
p2 Cal 5-100ng	5	✓	100.0	92.0	92.0
p2 Cal 6-250ng	6	✓	250.0	239.0	95.6
p2 Cal 7-500ng	7	✓	500.0	491.0	98.2
p2 Cal 8-1000ng	8	✓	1000.0	1031.9	103.2

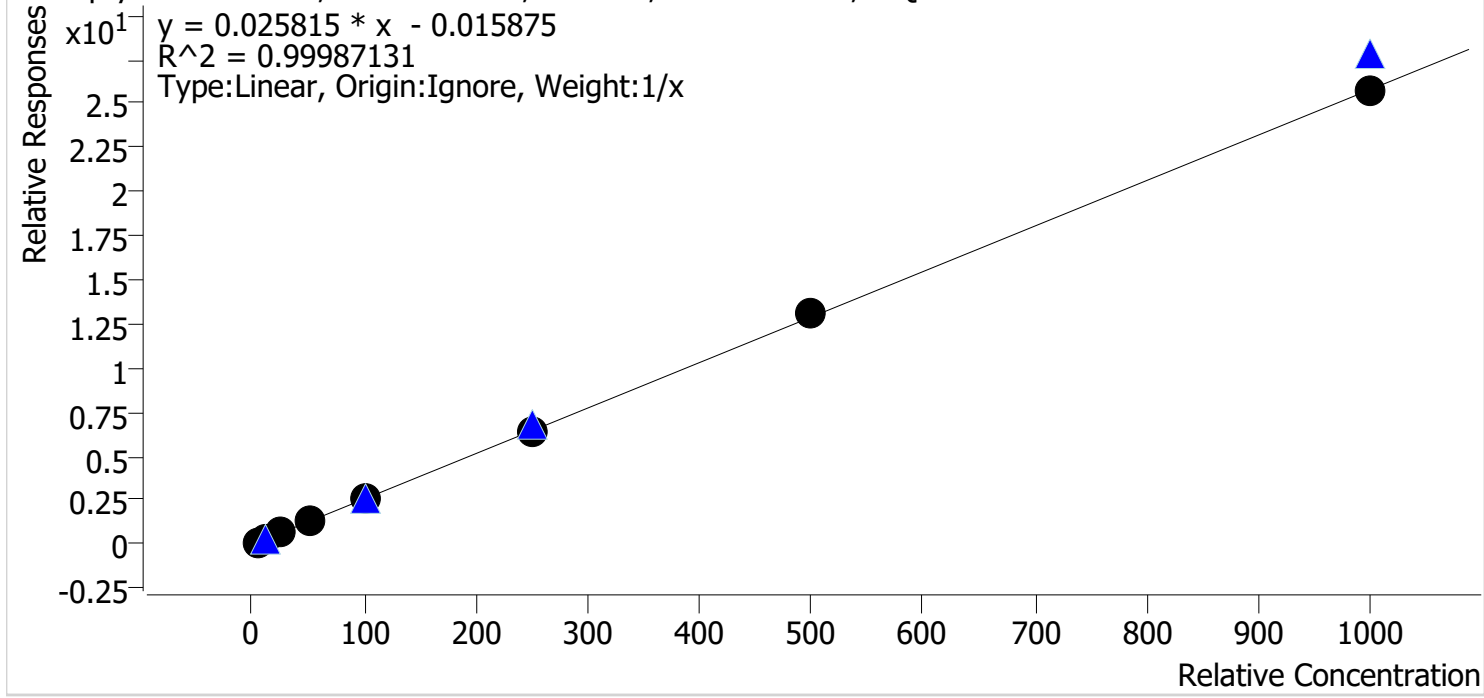
214



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Last Cal. Update 2/7/2023 5:37 PM
Analyst Name ISP\Datastor
Analyte Amitriptyline **Internal Standard** Amitriptyline-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	4.8	95.8
p2 Cal 2-10ng	2	✓	10.0	10.4	104.0
p2 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p2 Cal 4-50ng	4	✓	50.0	49.3	98.6
p2 Cal 5-100ng	5	✓	100.0	97.3	97.3
p2 Cal 6-250ng	6	✓	250.0	249.8	99.9
p2 Cal 7-500ng	7	✓	500.0	506.1	101.2
p2 Cal 8-1000ng	8	✓	1000.0	996.5	99.6

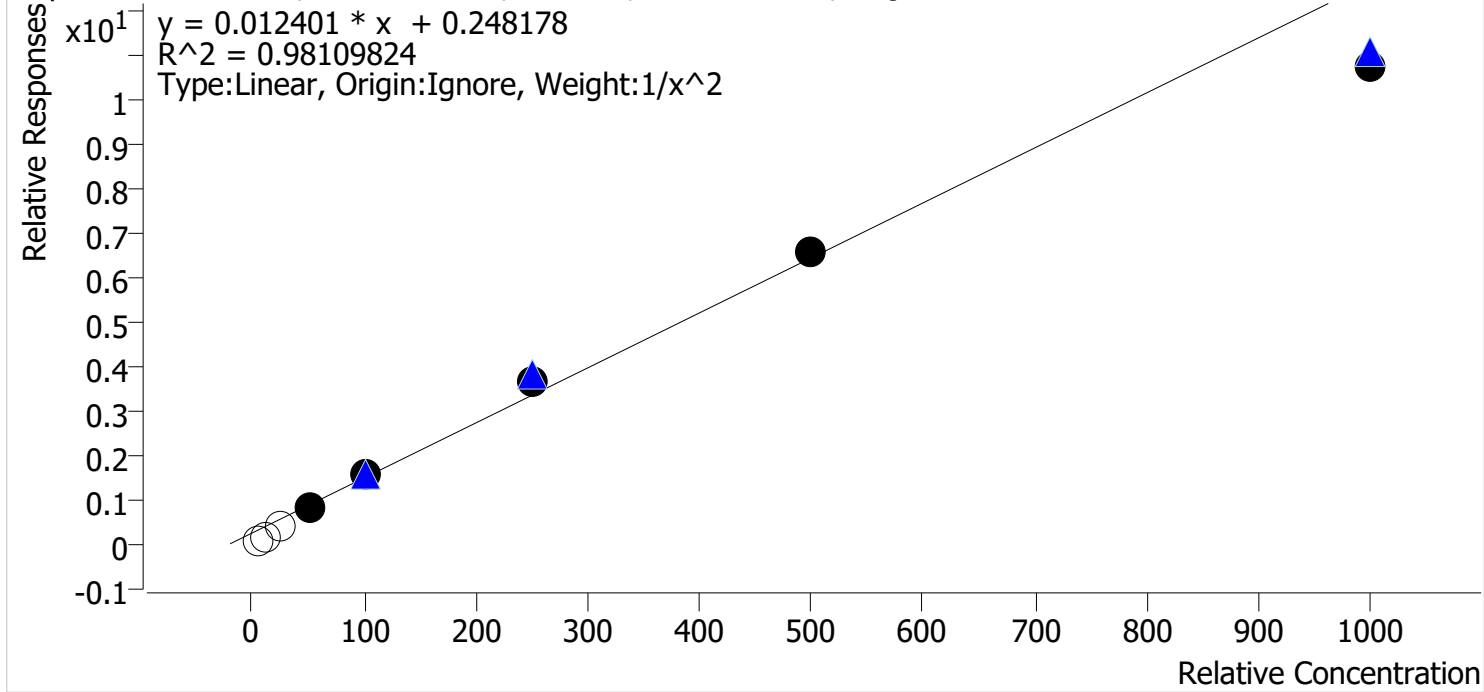
2/7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Last Cal. Update 2/7/2023 5:37 PM
Analyst Name ISP\Datator
Analyte Maprotiline **Internal Standard** Amitriptyline-D3

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



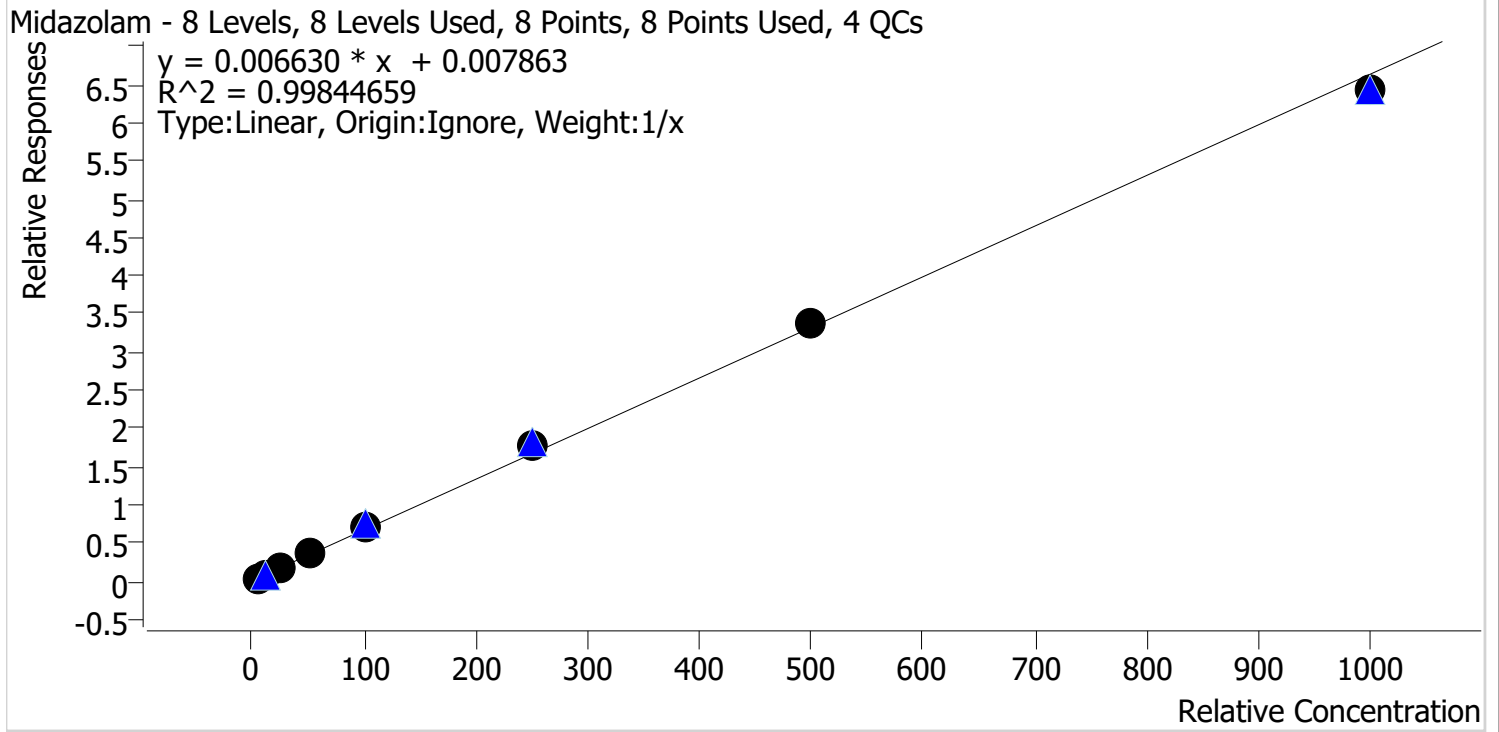
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	x	5.0	0.0	0.0
p2 Cal 2-10ng	2	x	10.0	0.0	0.0
p2 Cal 3 -25ng	3	x	25.0	12.4	49.5
p2 Cal 4-50ng	4	✓	50.0	47.1	94.3
p2 Cal 5-100ng	5	✓	100.0	108.3	108.3
p2 Cal 6-250ng	6	✓	250.0	277.0	110.8
p2 Cal 7-500ng	7	✓	500.0	510.0	102.0
p2 Cal 8-1000ng	8	✓	1000.0	846.6	84.7

214



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Last Cal. Update 2/7/2023 5:37 PM
Analyst Name ISP\Datastor
Analyte Midazolam **Internal Standard** Midazolam-D4



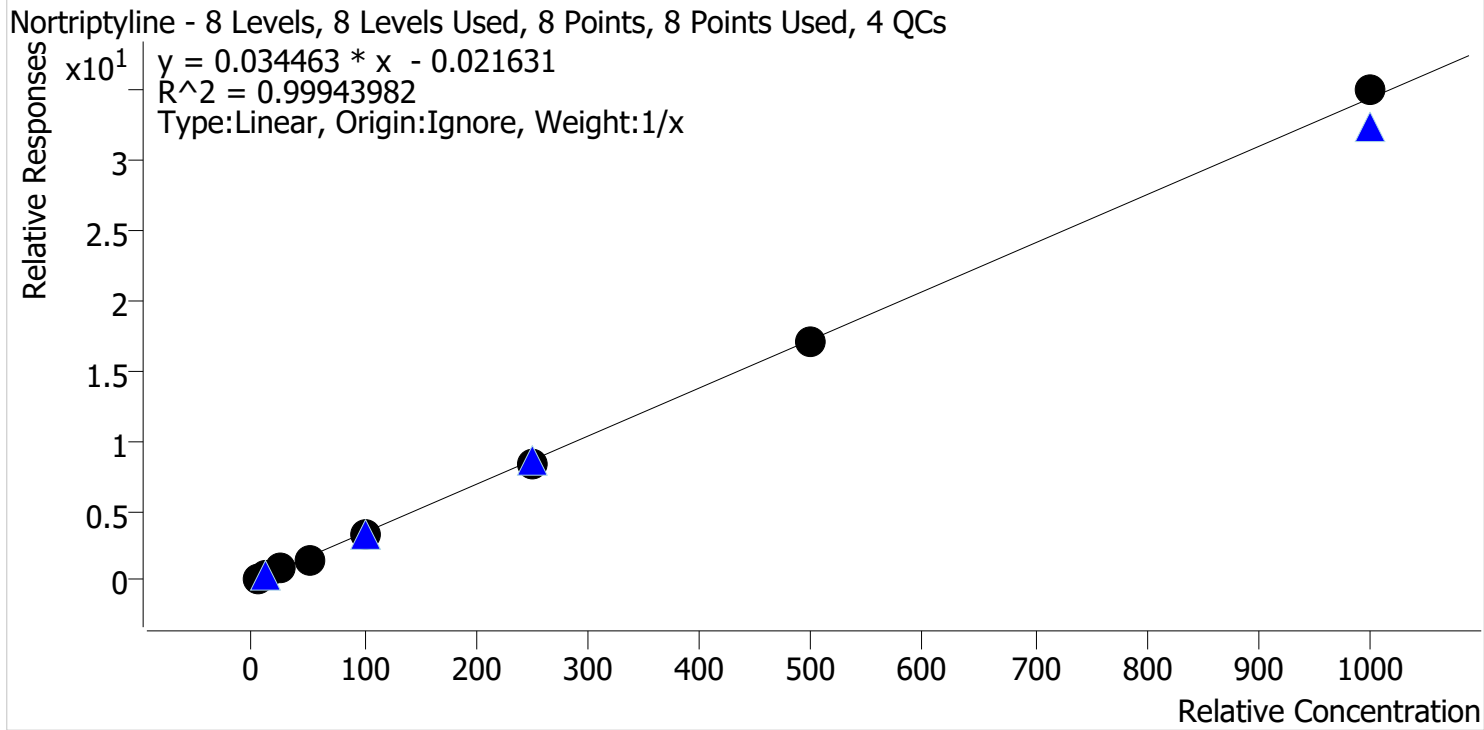
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	4.0	80.6
p2 Cal 2-10ng	2	✓	10.0	10.0	100.4
p2 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p2 Cal 4-50ng	4	✓	50.0	52.3	104.5
p2 Cal 5-100ng	5	✓	100.0	107.4	107.4
p2 Cal 6-250ng	6	✓	250.0	263.7	105.5
p2 Cal 7-500ng	7	✓	500.0	508.5	101.7
p2 Cal 8-1000ng	8	✓	1000.0	968.3	96.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Last Cal. Update 2/7/2023 5:37 PM
Analyst Name ISP\Datastor
Analyte Nortriptyline **Internal Standard** Nortriptyline-d3



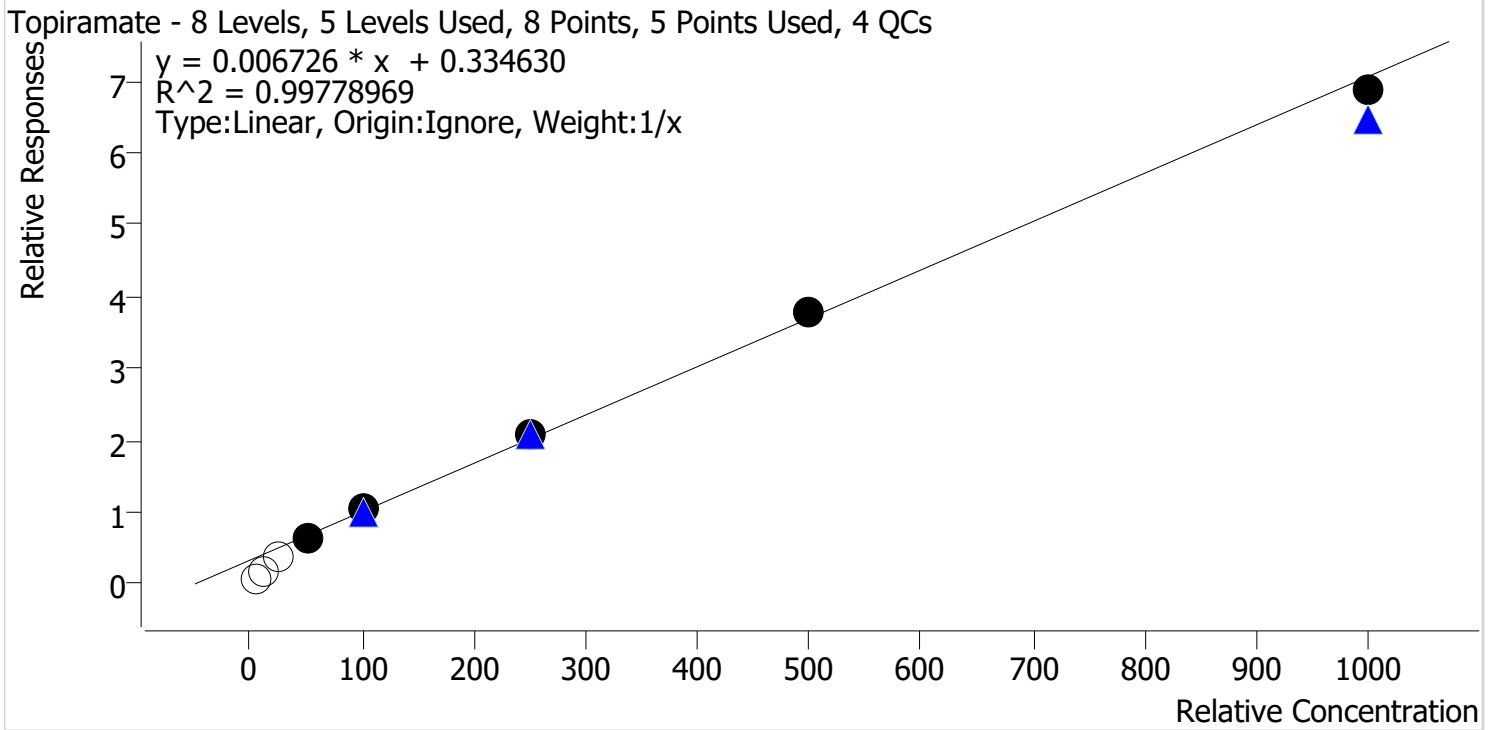
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	✓	5.0	5.4	108.2
p2 Cal 2-10ng	2	✓	10.0	10.6	106.1
p2 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p2 Cal 4-50ng	4	✓	50.0	46.0	92.0
p2 Cal 5-100ng	5	✓	100.0	95.6	95.6
p2 Cal 6-250ng	6	✓	250.0	245.2	98.1
p2 Cal 7-500ng	7	✓	500.0	495.8	99.2
p2 Cal 8-1000ng	8	✓	1000.0	1016.6	101.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Last Cal. Update 2/7/2023 5:37 PM
Analyst Name ISP\Datastor
Analyte Topiramate **Internal Standard** Topiramate-d12



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 Cal 1-5ng	1	x	5.0	0.0	0.0
p2 Cal 2-10ng	2	x	10.0	0.0	0.0
p2 Cal 3 -25ng	3	x	25.0	3.7	14.7
p2 Cal 4-50ng	4	✓	50.0	44.9	89.7
p2 Cal 5-100ng	5	✓	100.0	104.9	104.9
p2 Cal 6-250ng	6	✓	250.0	262.3	104.9
p2 Cal 7-500ng	7	✓	500.0	516.3	103.3
p2 Cal 8-1000ng	8	✓	1000.0	971.6	97.2

214

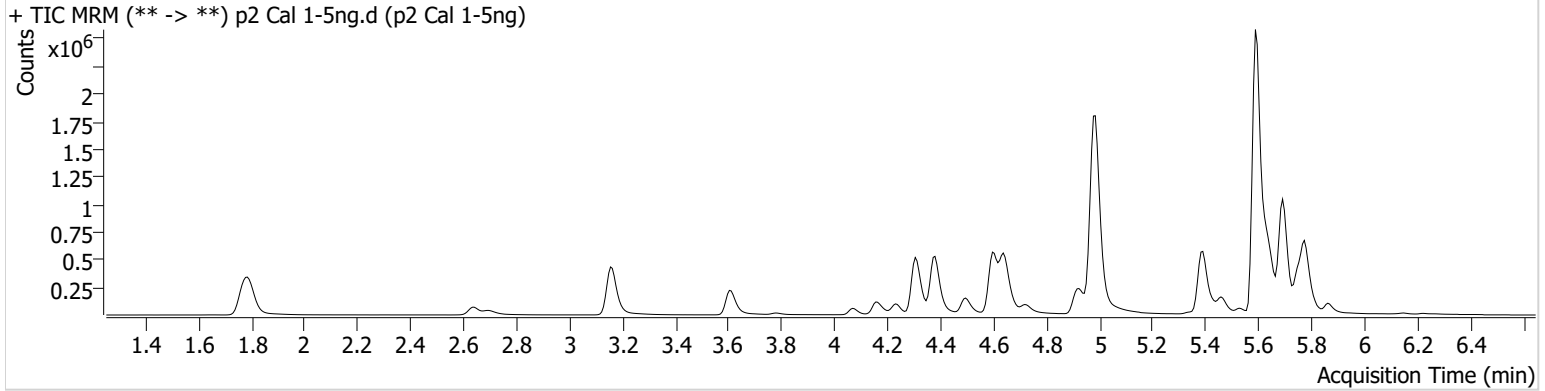


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 Cal 1-5ng.d
Type Cal **Sample** p2 Cal 1-5ng
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-A6 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 10:01:11 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.649	2438	3141.46	4131.2	707.20	916148	5.4343 ng/ml
acetyl-fentanyl	4.644	1990	15.29	77.9	1420.01	222460	0.4898 ng/ml
alpha-hydroxymidazolam	5.780	57286	95.74	58.1	18584.81	973320	5.8307 ng/ml
Amitriptyline	5.680	5115	110.87	103.3	193.40	47462	4.7895 ng/ml
Midazolam	5.760	25410	673.25	92.9	665.78	734660	4.0312 ng/ml
Nortriptyline	5.702	5365	247.75	37.6	68.81	32557	5.4095 ng/ml

AG

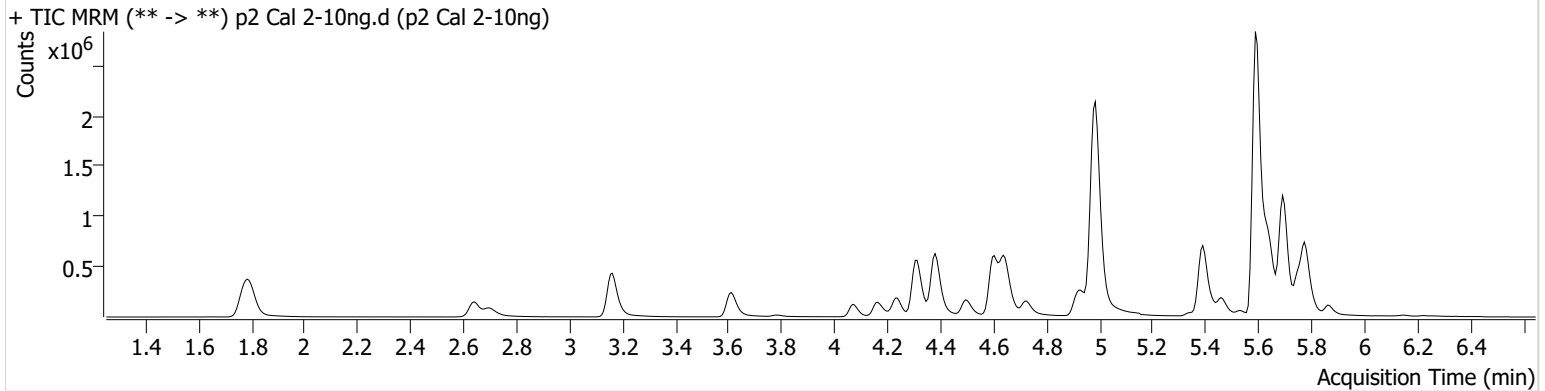


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 Cal 2-10ng.d
Type Cal **Sample** p2 Cal 2-10ng
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-B6 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 10:11:55 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.649	5137	10307.50	3879.2	997.60	848388	10.7092 ng/ml
acetyl-fentanyl	4.651	4089	88.65	75.2	3351.74	199453	1.0478 ng/ml
alpha-hydroxymidazolam	5.780	128168	451.98	54.1	3588.93	1005809	10.6459 ng/ml
Amitriptyline	5.680	11195	87.84	95.4	177.64	44317	10.4006 ng/ml
Midazolam	5.760	53479	1418.56	94.9	2628.94	718515	10.0407 ng/ml
Nortriptyline	5.702	10528	10332.46	35.5	90.35	30594	10.6129 ng/ml

214

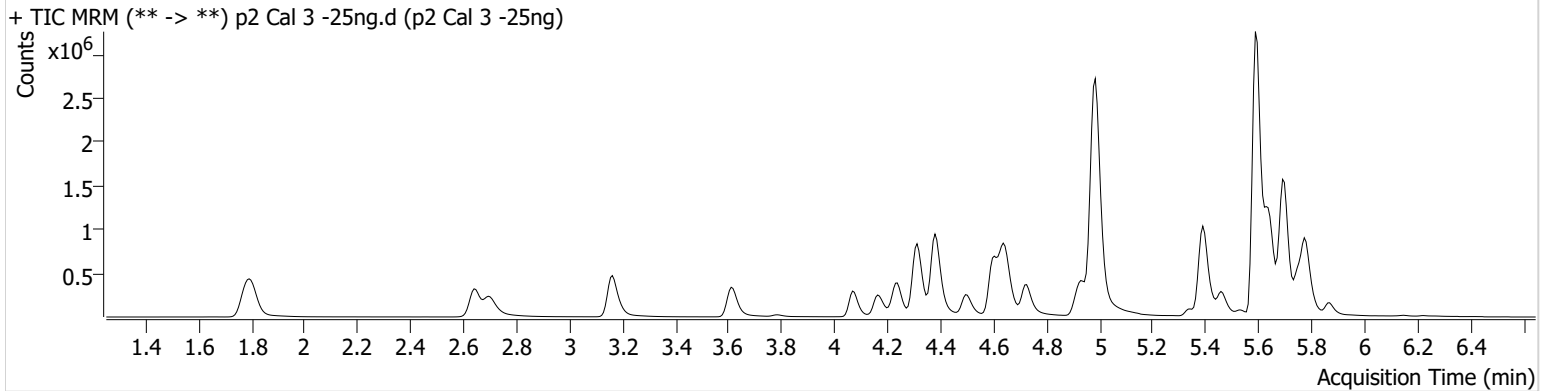


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 Cal 3 -25ng.d
Type Cal **Sample** p2 Cal 3 -25ng
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-C6 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 10:22:37 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.649	13141	638.75	3886.2	1171.71	886692	24.3368 ng/ml
acetyl-fentanyl	4.651	10312	93.39	70.1	6224.13	202862	2.5120 ng/ml
alpha-hydroxymidazolam	5.780	323188	698.76	52.6	3765.06	1004090	24.3000 ng/ml
Amitriptyline	5.680	27307	174.60	99.0	1497.07	41862	25.8831 ng/ml
Maprotiline	5.660	16811	182.63	179.4	363.56	41862	12.3702 ng/ml
Midazolam	5.760	137289	32821.64	91.9	3091.84	768377	25.7644 ng/ml
Nortriptyline	5.702	24268	2251.19	34.8	197.86	29126	24.8043 ng/ml
Topiramate	4.970	41830	55324.41	32.6	191.24	116419	3.6685 ng/ml

AG

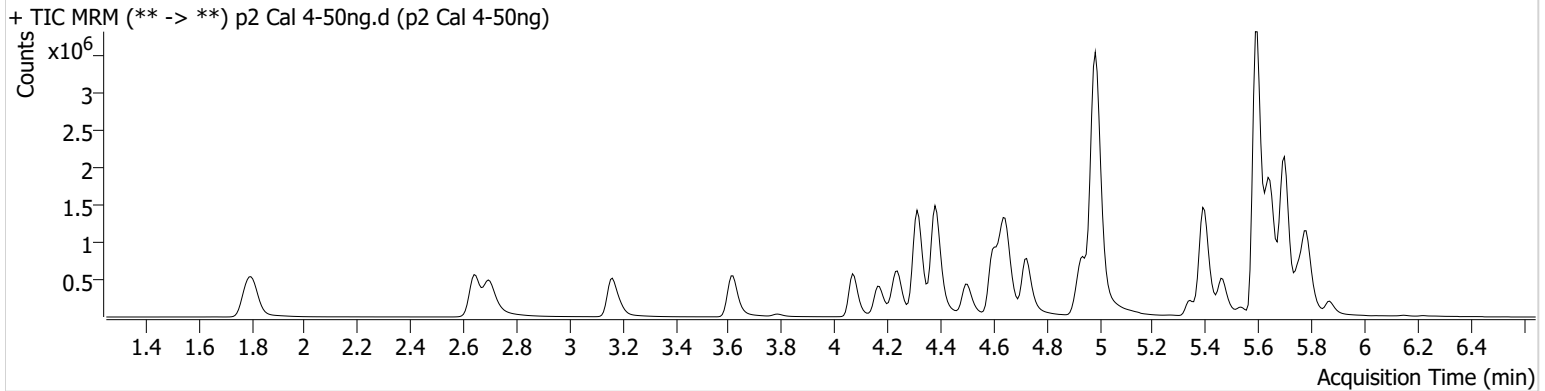


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 Cal 4-50ng.d
Type Cal **Sample** p2 Cal 4-50ng
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-D6 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 10:33:22 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.649	30686	34094.92	3970.1	3101.92	1068083	45.9613 ng/ml
acetyl-fentanyl	4.651	26186	893.46	72.7	23978.99	268386	4.7685 ng/ml
alpha-hydroxymidazolam	5.780	603416	738.53	54.3	5248.24	970021	45.3799 ng/ml
Amitriptyline	5.687	79340	696.75	97.9	4084.94	63110	49.3130 ng/ml
Maprotiline	5.660	52549	427.61	174.6	706.16	63110	47.1330 ng/ml
Midazolam	5.760	281182	3493.18	92.6	2069.03	793450	52.2671 ng/ml
Nortriptyline	5.709	73216	62402.25	35.0	497.46	46835	45.9880 ng/ml
Topiramate	4.970	68652	819.96	37.5	35976.84	107883	44.8601 ng/ml

AG

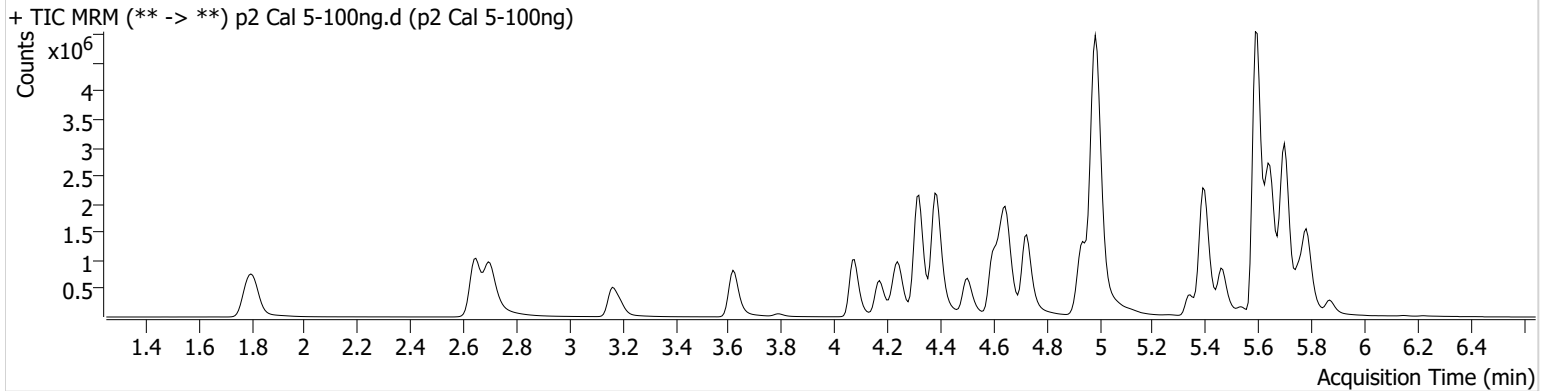


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 Cal 5-100ng.d
Type Cal **Sample** p2 Cal 5-100ng
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-E6 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 10:44:05 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.649	57794	107.52	3867.6	2704.38	946548	96.2187 ng/ml
acetyl-fentanyl	4.651	45000	792.08	75.3	1156.39	220173	9.9253 ng/ml
alpha-hydroxymidazolam	5.780	1128519	633.90	54.5	773.81	877708	91.9851 ng/ml
Amitriptyline	5.680	129094	2101.86	97.6	7326.36	51742	97.2607 ng/ml
Maprotiline	5.660	82322	409.74	176.8	656.74	51742	108.2884 ng/ml
Midazolam	5.760	517775	1041.20	93.1	10969.79	719441	107.3690 ng/ml
Nortriptyline	5.709	111337	17914.22	36.6	594.48	34017	95.5967 ng/ml
Topiramate	4.970	110345	245.00	35.8	67.20	106054	104.9401 ng/ml

214

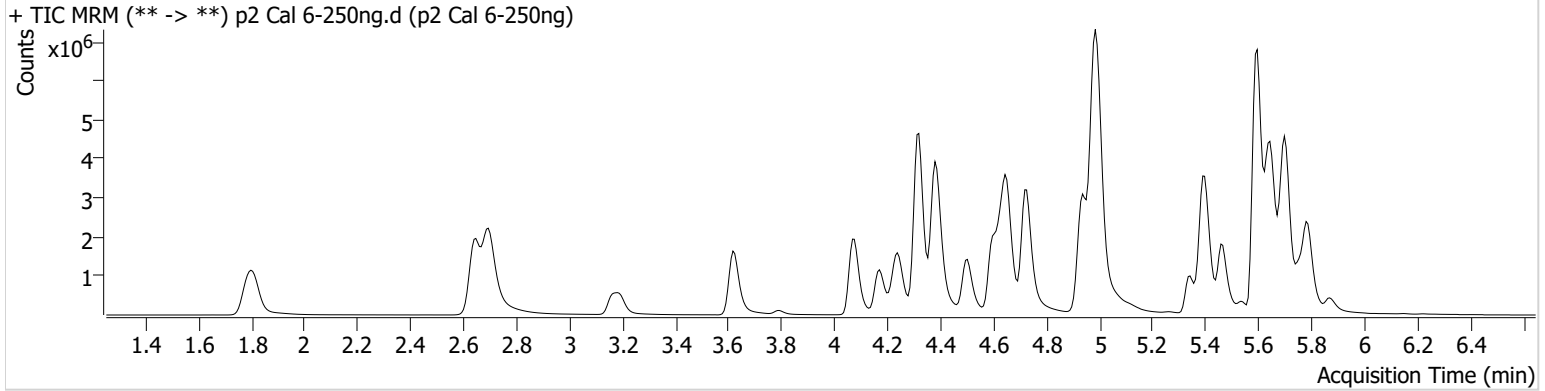


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 Cal 6-250ng.d
Type Cal **Sample** p2 Cal 6-250ng
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-F6 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 10:54:49 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.649	135142	1599.36	4022.5	3538.65	868533	243.1926 ng/ml
acetyl-fentanyl	4.651	110798	4668.93	74.3	206014.63	208872	25.6674 ng/ml
alpha-hydroxymidazolam	5.780	2175011	7556.13	53.9	8970.92	643646	238.9893 ng/ml
Amitriptyline	5.680	323281	1153.35	95.2	1235.11	50255	249.7982 ng/ml
Maprotiline	5.660	185072	1765.48	192.3	4006.57	50255	276.9609 ng/ml
Midazolam	5.760	1031487	1179.69	93.1	2989.56	587412	263.6794 ng/ml
Nortriptyline	5.709	261271	4449.57	35.4	1314.41	31002	245.1637 ng/ml
Topiramate	4.970	173818	161114.76	34.7	59.75	82812	262.3144 ng/ml

AG

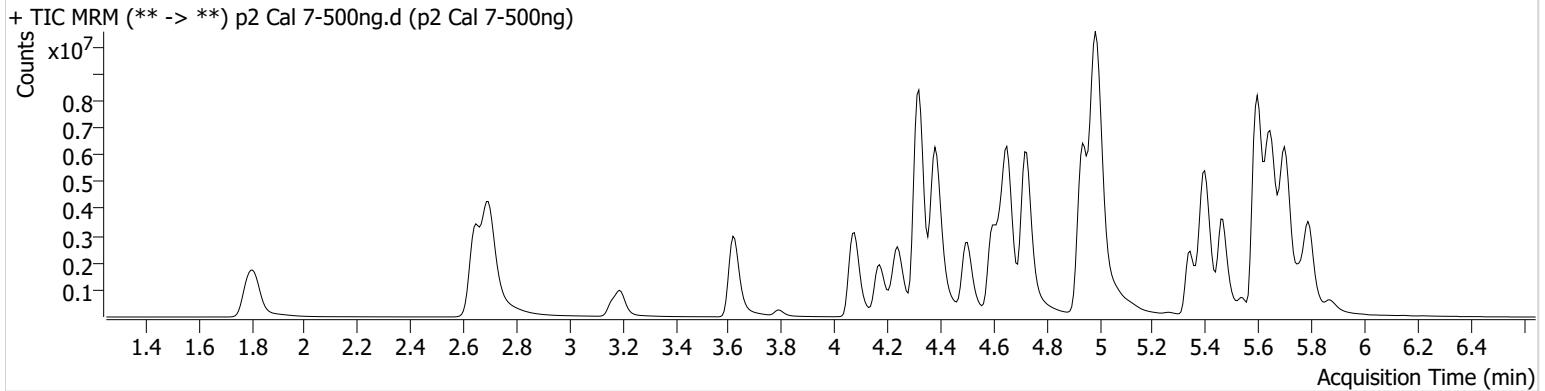


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 Cal 7-500ng.d
Type Cal **Sample** p2 Cal 7-500ng
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-G6 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 11:05:32 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.649	268414	17240.36	4261.7	7447.02	836021	500.4259 ng/ml
acetyl-fentanyl	4.651	228898	3903.11	78.0	812.56	217851	50.7841 ng/ml
alpha-hydroxymidazolam	5.787	3331480	2975.49	53.2	4049.82	478129	490.9805 ng/ml
Amitriptyline	5.680	753648	2796.81	90.6	14665.63	57753	506.1036 ng/ml
Maprotiline	5.660	379571	4175.22	210.5	1692.87	57753	509.9856 ng/ml
Midazolam	5.760	1729352	3342.74	92.0	729.55	511758	508.5232 ng/ml
Nortriptyline	5.709	554751	87374.38	35.6	2677.39	32506	495.8296 ng/ml
Topiramate	4.970	246444	13243.09	37.7	114687.96	64735	516.2539 ng/ml

AG

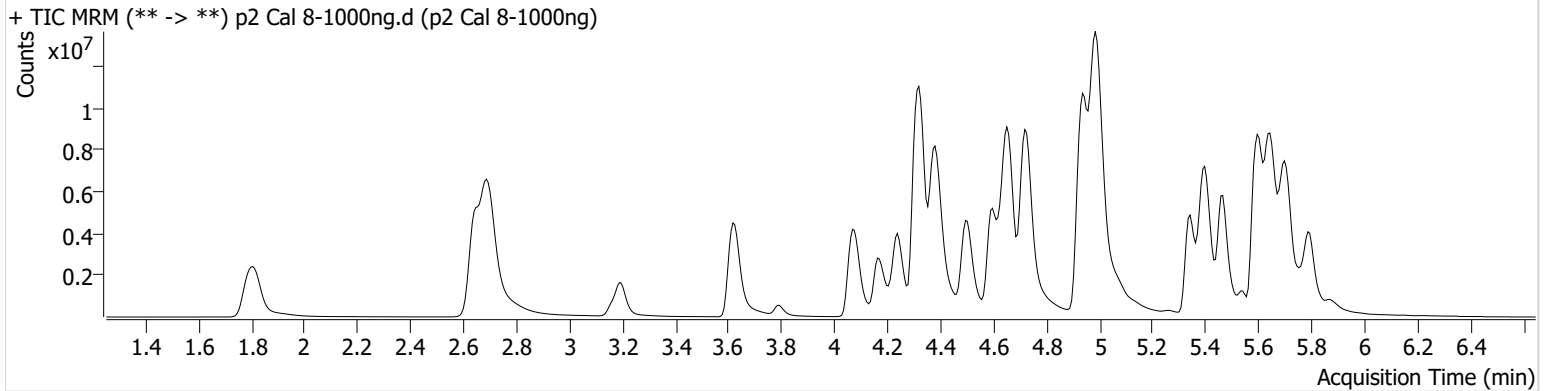


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\011923 AM 27 28 AG\QuantResults\AM 28 P2 evaluated compounds.batch.bin
Calibration Last Update 2/7/2023 5:37:12 PM

Instrument Falco (069901) **Data File** p2 Cal 8-1000ng.d
Type Cal **Sample** p2 Cal 8-1000ng
Acq. Method AM 28 MDQ P2 Updated 081022 **Operator** Amber Gerheart
Sample Position P2-H6 **Comment**
Injection Volume 5
Acq. Date-Time 1/20/2023 11:16:15 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
9-Hydroxyrisperidone	4.656	457383	1445.31	4179.0	206937.15	702332	1013.7212 ng/ml
acetyl-fentanyl	4.651	428599	3173.67	79.7	897.85	211439	97.9203 ng/ml
alpha-hydroxymidazolam	5.787	4426170	2440.81	52.3	5217.92	301702	1031.8885 ng/ml
Amitriptyline	5.680	964550	1556.06	90.0	842.66	37519	996.4514 ng/ml
Maprotiline	5.660	403221	1494.08	236.5	7207.81	37519	846.6410 ng/ml
Midazolam	5.760	2411333	2080.42	91.0	567.45	375153	968.3250 ng/ml
Nortriptyline	5.709	589998	3308.88	36.1	1855.62	16850	1016.5953 ng/ml
Topiramate	4.970	241763	∞	35.6	117439.64	35192	971.6316 ng/ml

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

Extraction Date: 2/8/2023

Plate lot#: 220802

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

Blank Blood Lot: Lampire 22B52015-2

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

Analyst: Amber Gerheart

Plate Retest Date: 02/02/2023

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Urine Lot: N/A

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: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
- 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate. **Pipette ID: 42**
- 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. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.
- 17. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

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

COMMENTS:

The only sample analyzed in this extraction was P2022-3885-1

Compounds evaluated: alprazolam, buprenorphine, citalopram, hydrocodone, methamphetamine, and tramadol

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Negative Blood	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	External Control	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	P2022-3885-1	IS + Sample	IS + Sample	IS + Sample	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

AG

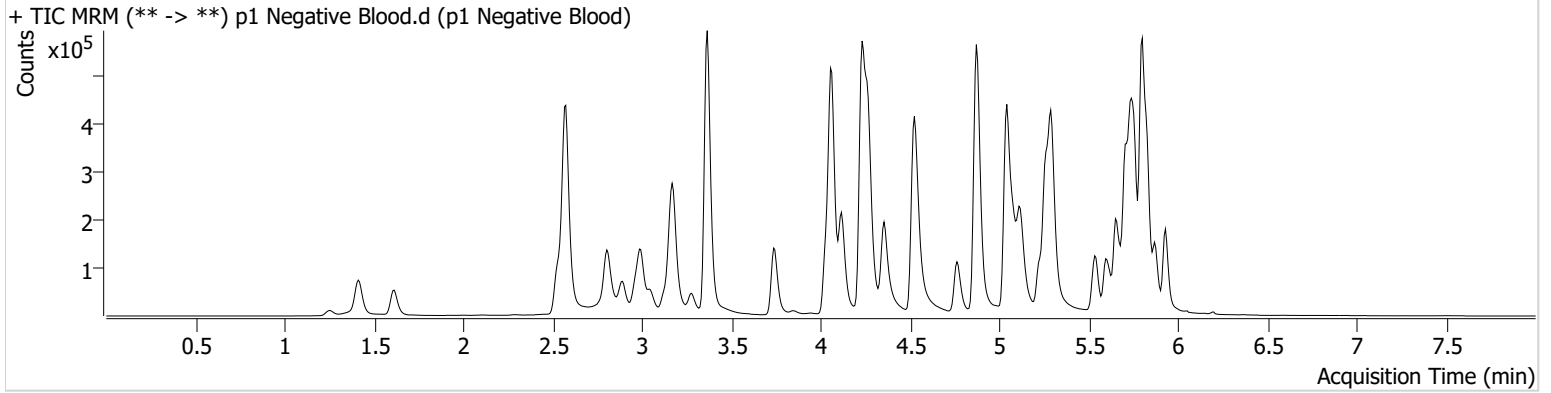


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 3:25:21 PM		
Sample Info.			

Sample Chromatogram



214

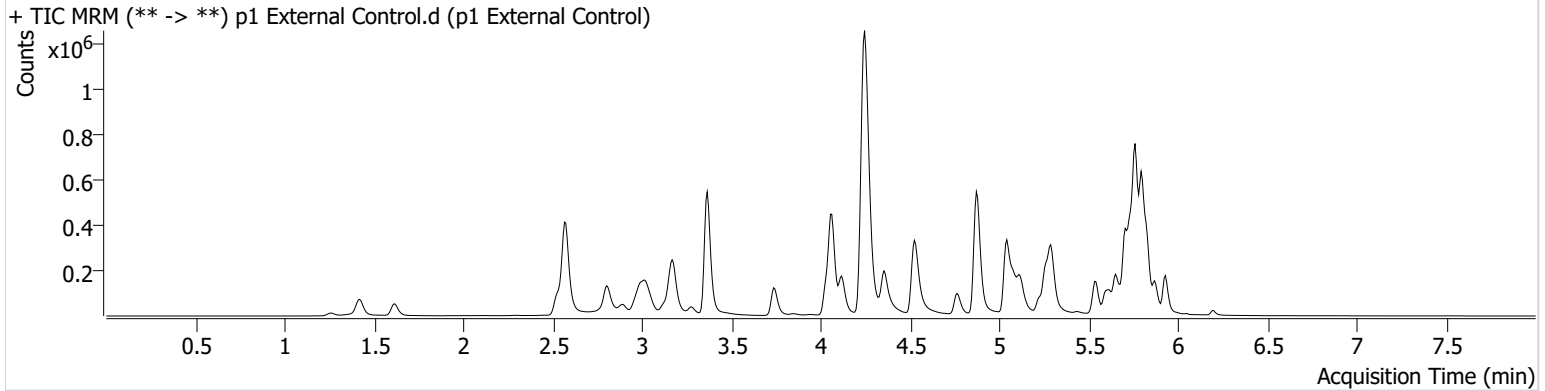


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 External Control.d
Type	Sample	Sample	p1 External Control
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-G2	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 3:46:35 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.759	449745	994.86	117.6	372.67	425801	43.3256 ng/ml
Buprenorphine	5.776	58598	54303.19	16.1	7387.45	44276	52.7422 ng/ml
Hydrocodone	3.019	230253	117.74	31.7	174.55	296581	41.8897 ng/ml
Tramadol	4.246	969044	25120.61	3.5	237.78	1077094	46.4791 ng/ml

AS



Idaho State Police Forensic Services

AM #25 Blood Multi-Drug Screen by LCMS-QQQ

And

**AM #28 Blood Multi-Drug Confirmatory Analysis by
LCMS-QQQ---Panel 1**

Methanol External Control Solution (Lot: 042222)

100 µL of 1mg/mL stock was added to each drug to 9600 µL of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	215245	N/A
Tramadol	Cerilliant	FE10051901	12/31/2024
Hydrocodone	Cerilliant	FE04241902	09/30/2024
Alprazolam	Cerilliant	FE06102008	06/30/2025
Buprenorphine	Cerilliant	FE03191903	06/31/2024
Prepared:	04/22/2022		
Expires:	04/22/2023		
Prepared By:	Celena Shrum		

Blood External Control Solution (Lot: WS101322)

50 µL of methanol external control solution was added to 9950 µL of blood.

Approximately 50 ng/mL of each compound.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Lampire	22B52015-1
Methanol External Control Solution		042222
Prepared:	10/13/2022	
Expires:	04/22/2023	
Prepared by:	Celena Shrum	

214

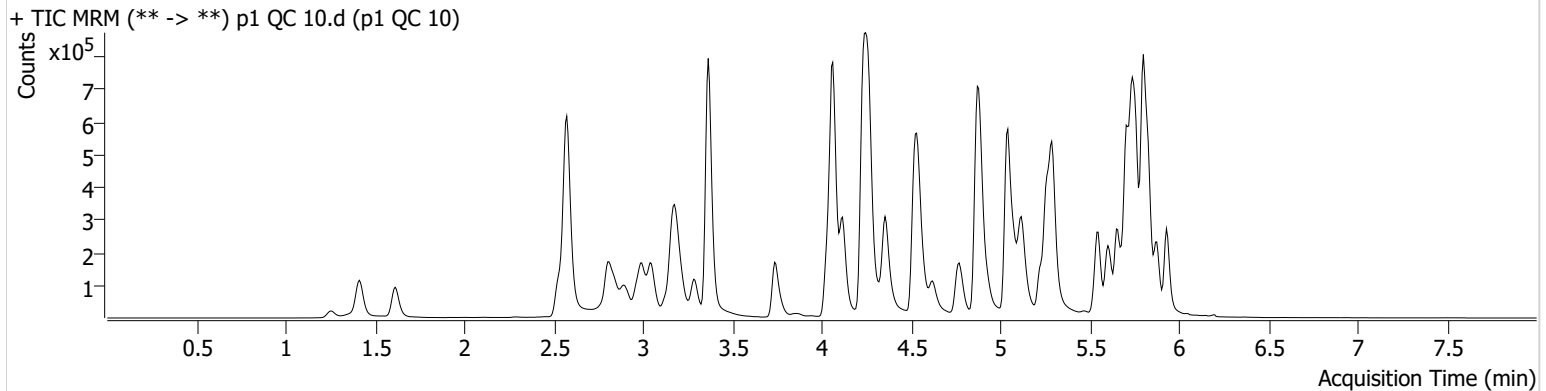


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 2:10:57 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.759	121339	2330.99	120.0	1573.45	504149	9.8171 ng/ml
Buprenorphine	5.776	1433	14.69	12.9	336.22	58091	1.0262 ng/ml
Citalopram	5.225	65085	839.57	36.4	116.90	243737	10.3814 ng/ml
Hydrocodone	3.019	74712	68.64	31.5	166.89	363553	10.3149 ng/ml
Methamphetamine	3.219	101300	221.37	33.1	548.33	429899	9.7191 ng/ml
Tramadol	4.246	273598	∞	3.6	49.90	1364129	10.1511 ng/ml

214

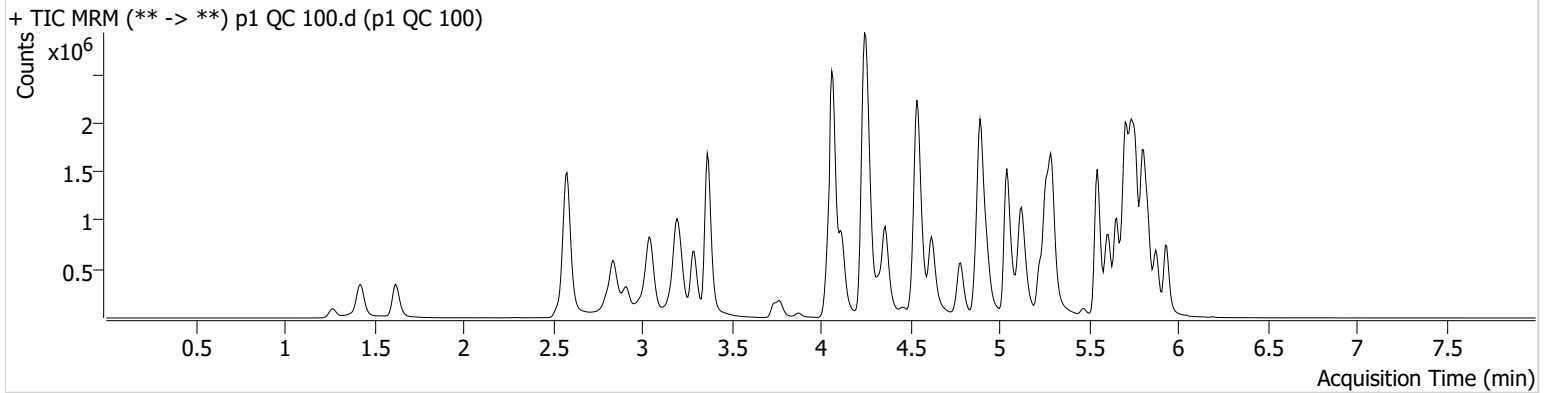


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 4:29:08 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.759	1002679	807.32	113.9	5675.50	399143	103.1420 ng/ml
Buprenorphine	5.776	14348	441.18	15.2	2792.28	57556	9.9698 ng/ml
Citalopram	5.225	649200	6800.41	38.8	21557.02	239190	103.8389 ng/ml
Hydrocodone	3.019	618975	762.96	32.0	886.91	315905	107.3242 ng/ml
Methamphetamine	3.219	757626	538.54	33.0	25510.42	337501	100.2487 ng/ml
Tramadol	4.246	2306506	∞	3.6	120.38	1182698	101.0671 ng/ml

214

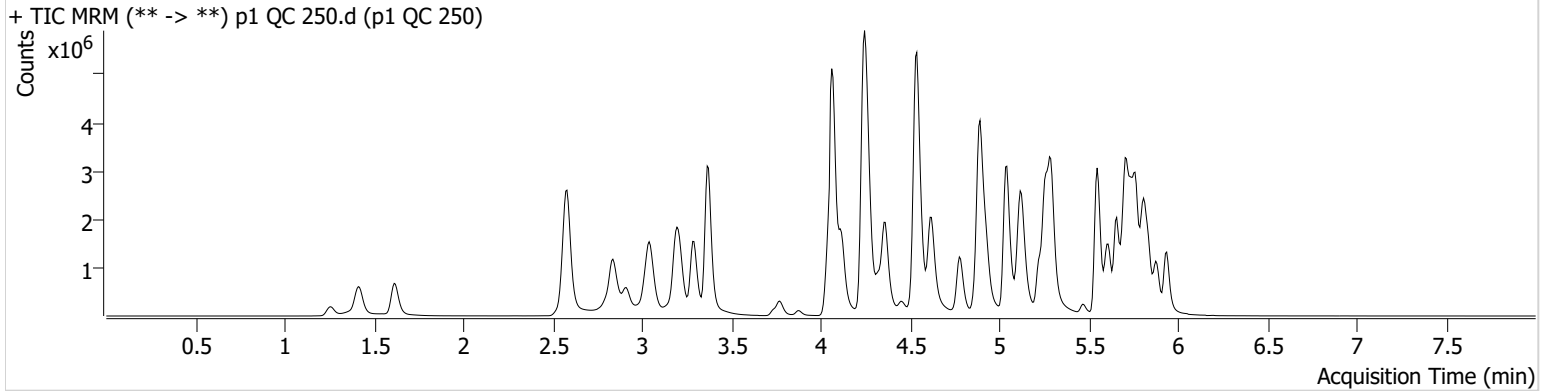


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 2:32:14 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.766	2044285	2161.16	113.1	912.56	319353	262.9394 ng/ml
Buprenorphine	5.776	28565	38293.67	16.9	11701.19	45127	25.2481 ng/ml
Citalopram	5.225	1511706	143689.07	38.4	22986.14	225651	256.0344 ng/ml
Hydrocodone	3.019	1375476	521.15	32.4	∞	294475	257.3057 ng/ml
Methamphetamine	3.219	1294076	1127.54	32.7	840.79	240141	241.9115 ng/ml
Tramadol	4.239	5614474	203.80	3.5	81.70	1071346	272.0436 ng/ml

AG

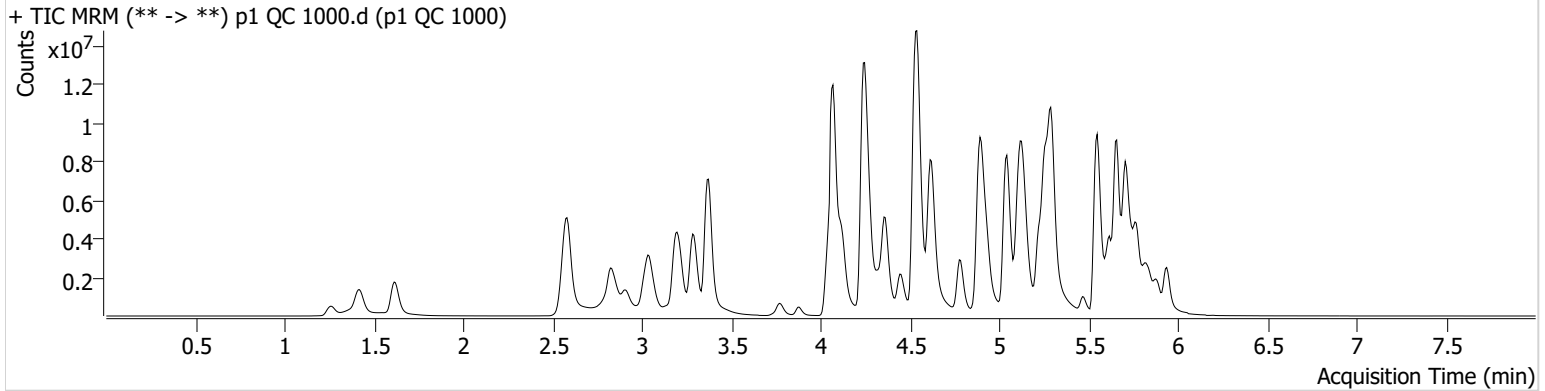


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 2:53:28 PM		

Sample Chromatogram



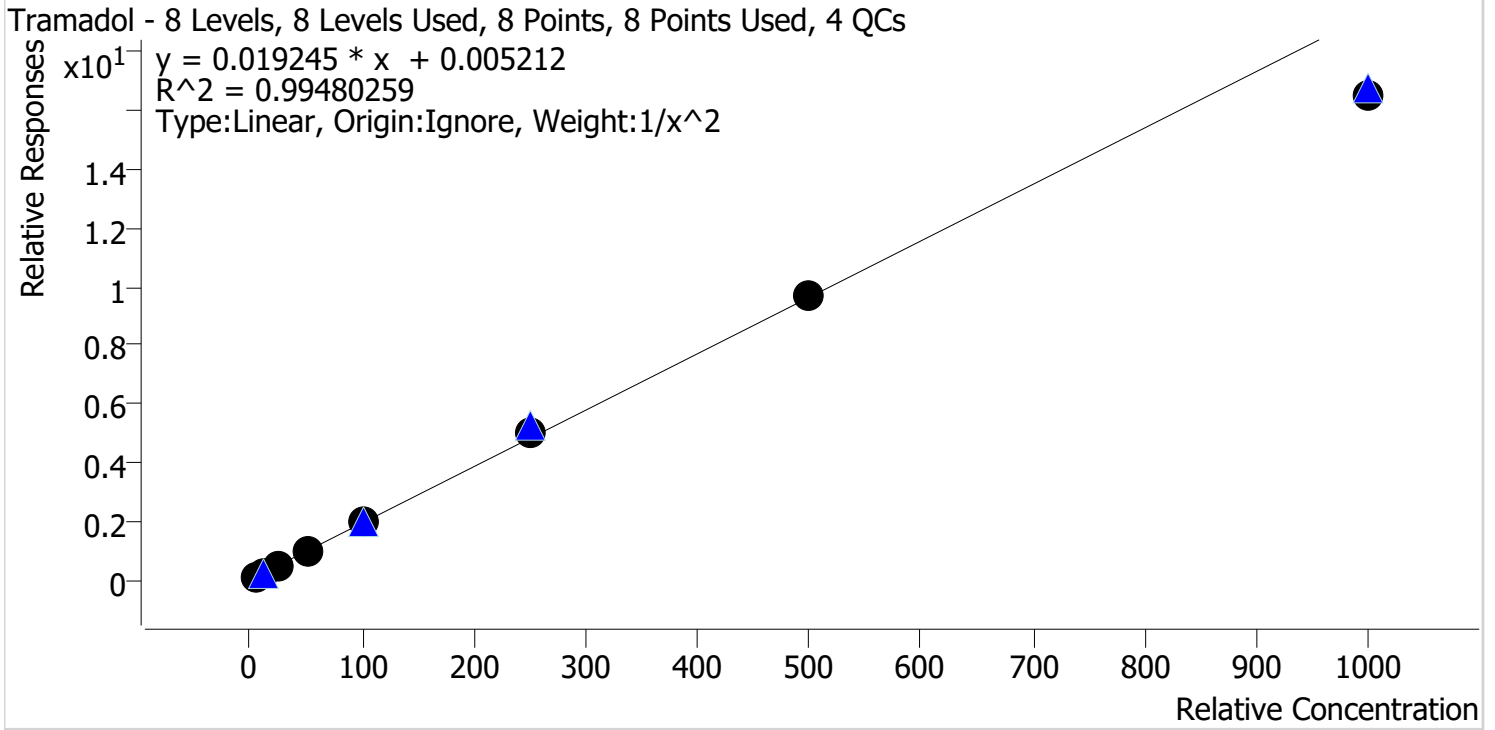
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.766	3732598	172.16	113.8	218.55	151872	1009.7345 ng/ml
Buprenorphine	5.776	127646	139412.01	15.3	19418.42	52511	96.8364 ng/ml
Citalopram	5.218	5817443	78244.17	38.3	109778.14	205550	1081.0525 ng/ml
Hydrocodone	3.013	4201797	394.76	32.8	1525.42	265713	873.6077 ng/ml
Methamphetamine	3.219	3334283	32521.60	32.5	7122.59	167464	896.2296 ng/ml
Tramadol	4.239	14469645	977.11	3.5	631.96	864208	869.7517 ng/ml

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Last Cal. Update 2/9/2023 7:42 AM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



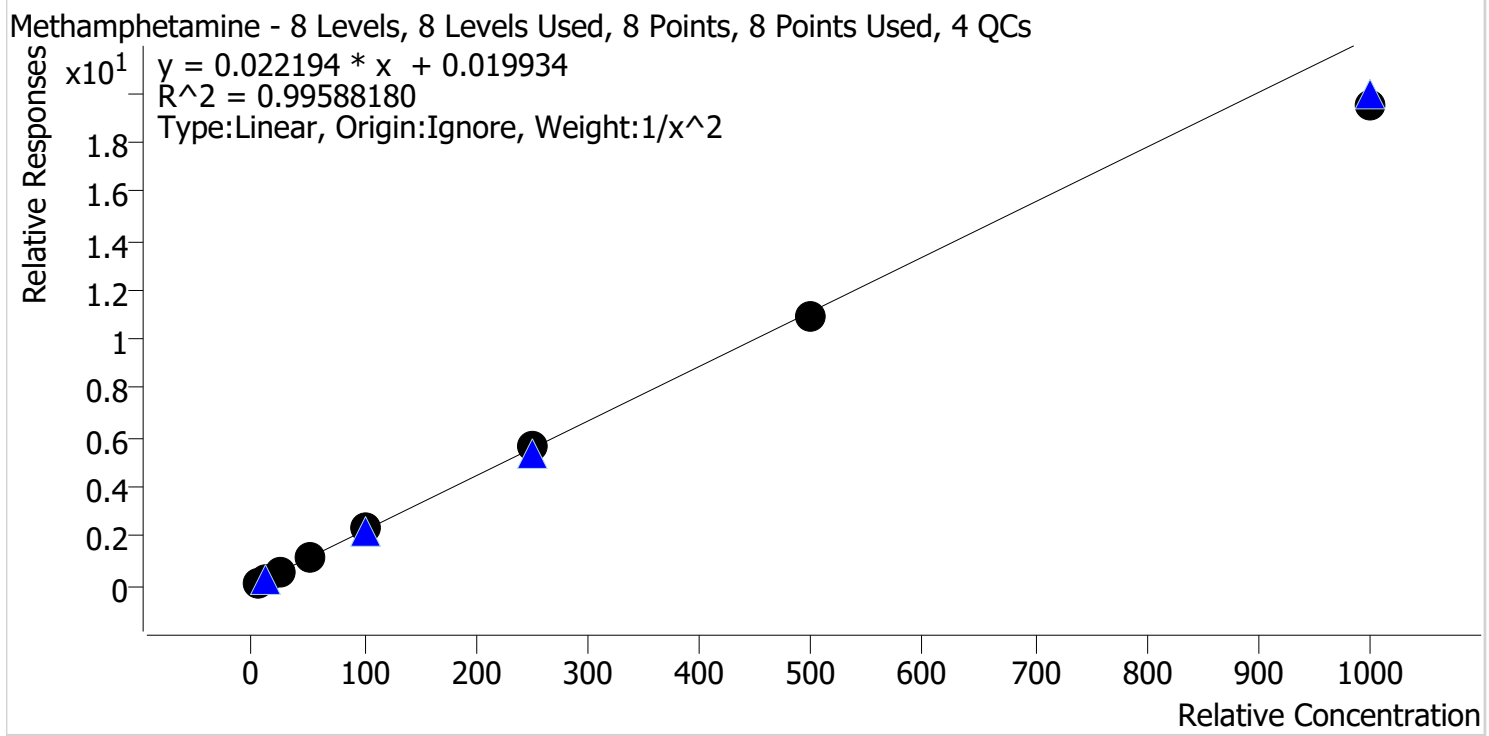
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	52.5	104.9
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	263.2	105.3
p1 Cal 7-500ng	7	✓	500.0	500.3	100.1
p1 Cal 8-1000ng	8	✓	1000.0	855.6	85.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Last Cal. Update 2/9/2023 7:42 AM
Analyst Name ISP\Datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	492.0	98.4
p1 Cal 8-1000ng	8	✓	1000.0	875.8	87.6

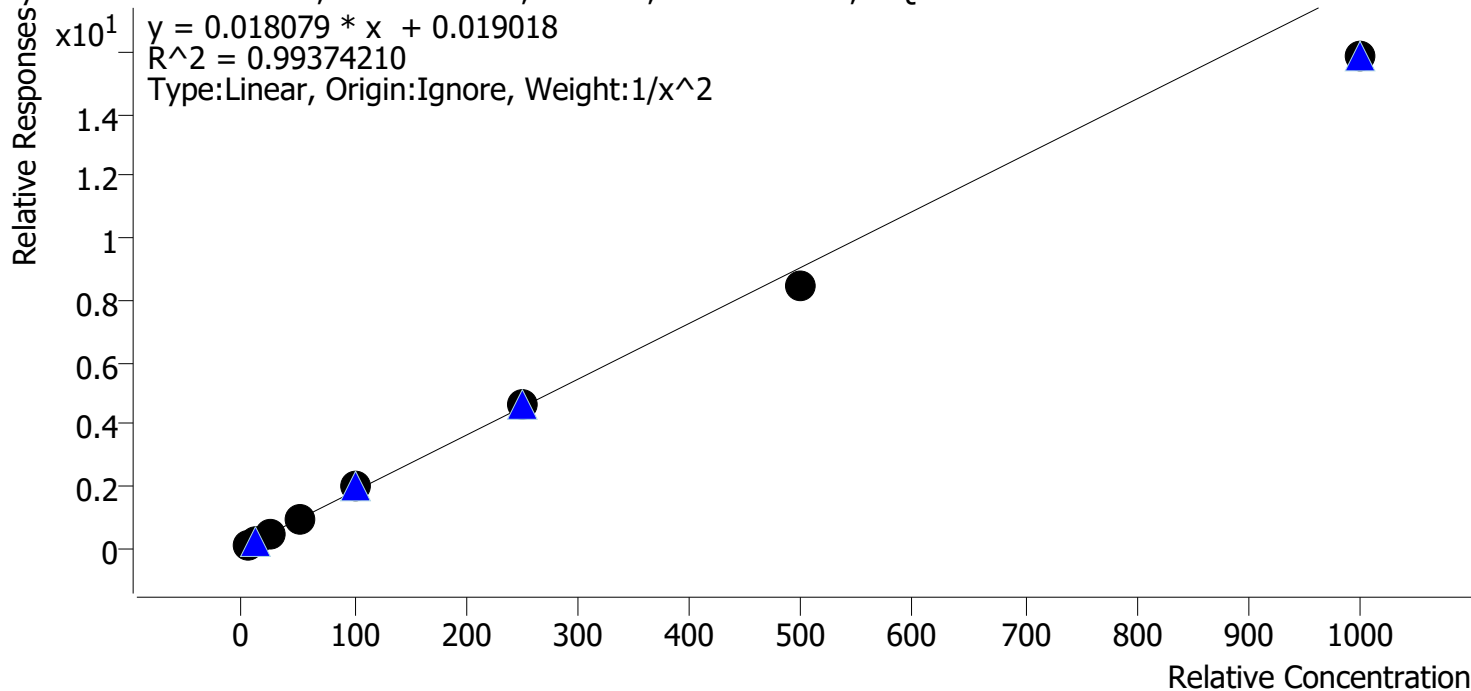
2/9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Last Cal. Update 2/9/2023 7:42 AM
Analyst Name ISP\Datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	107.6	107.6
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	465.7	93.1
p1 Cal 8-1000ng	8	✓	1000.0	875.8	87.6

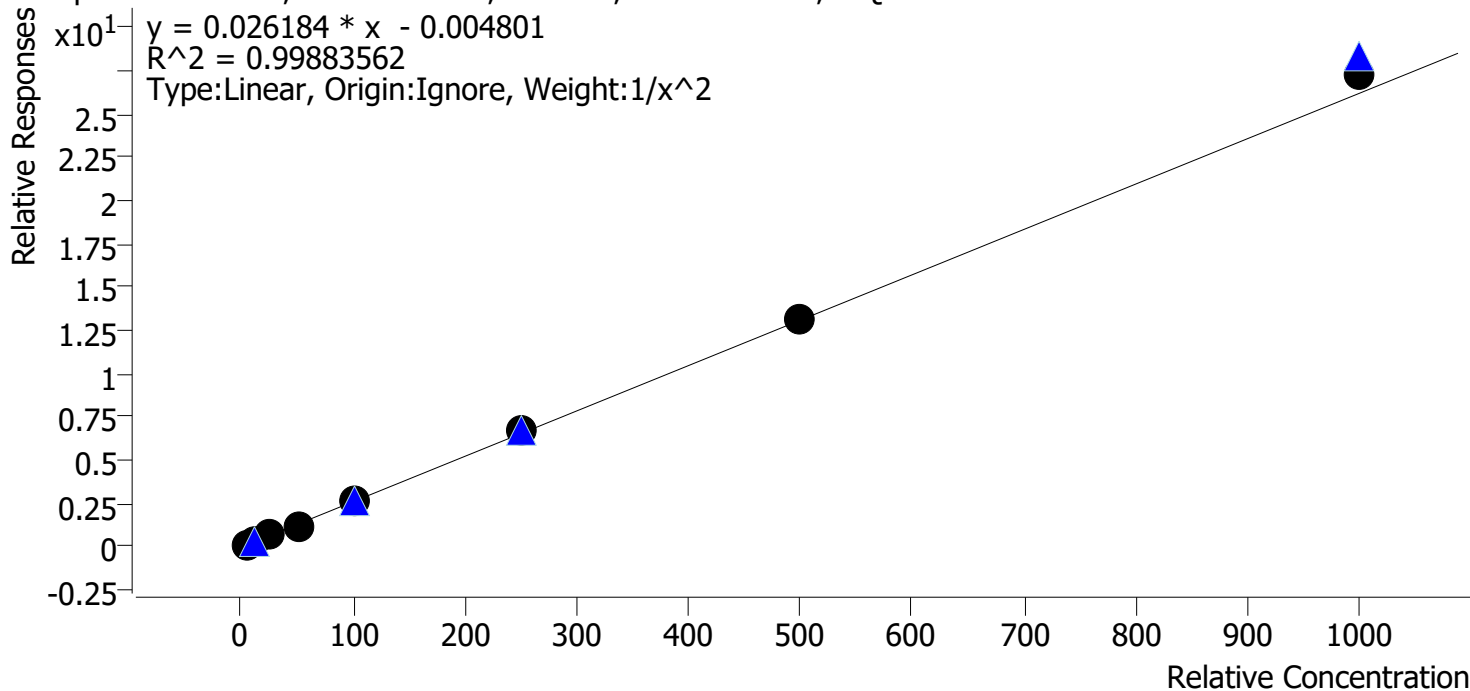
214



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Last Cal. Update 2/9/2023 7:42 AM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



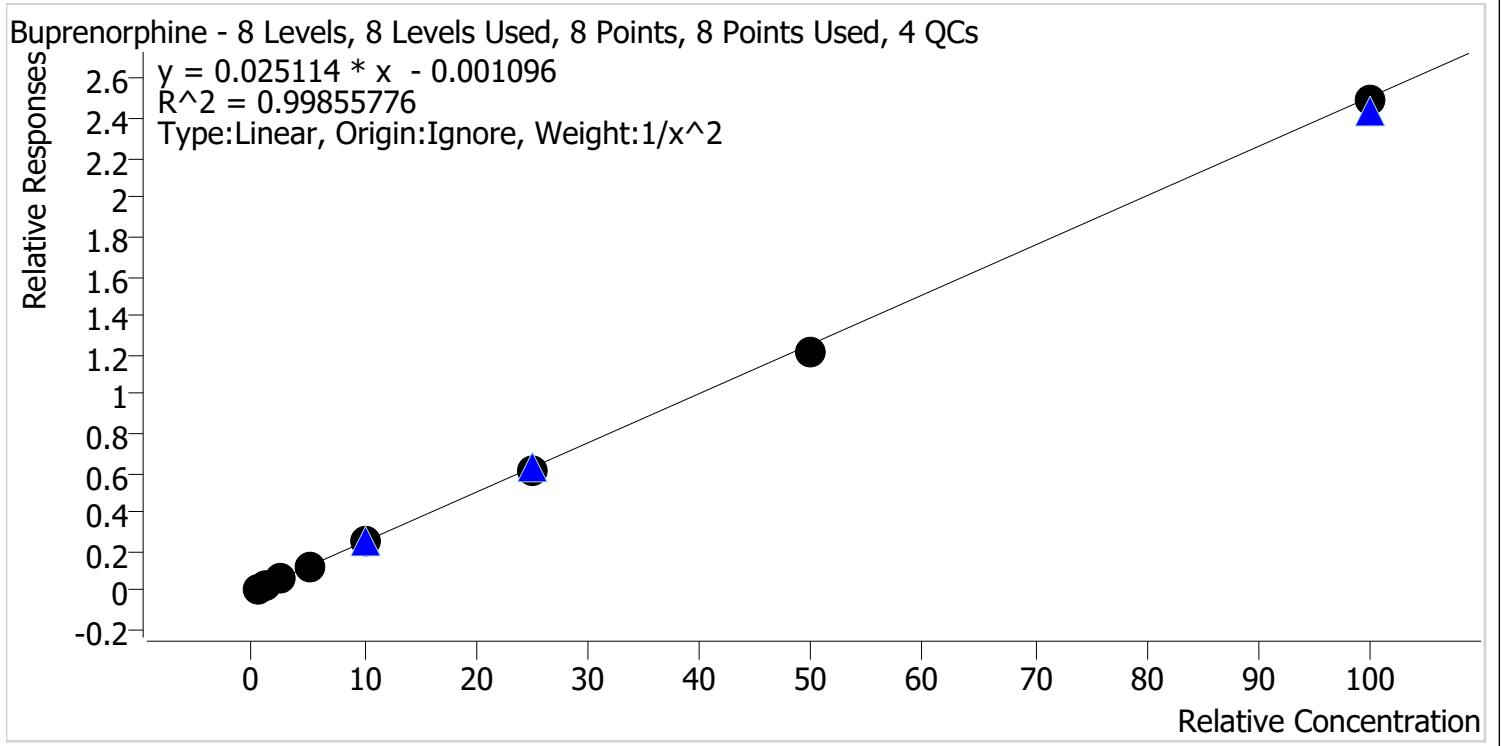
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	500.8	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1044.3	104.4

214



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Last Cal. Update 2/9/2023 7:42 AM
Analyst Name ISP\Datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.0
p1 Cal 2-10ng	2	✓	1.0	1.0	104.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.1
p1 Cal 4-50ng	4	✓	5.0	5.2	104.6
p1 Cal 5-100ng	5	✓	10.0	10.2	101.9
p1 Cal 6-250ng	6	✓	25.0	24.6	98.3
p1 Cal 7-500ng	7	✓	50.0	48.6	97.2
p1 Cal 8-1000ng	8	✓	100.0	99.3	99.3

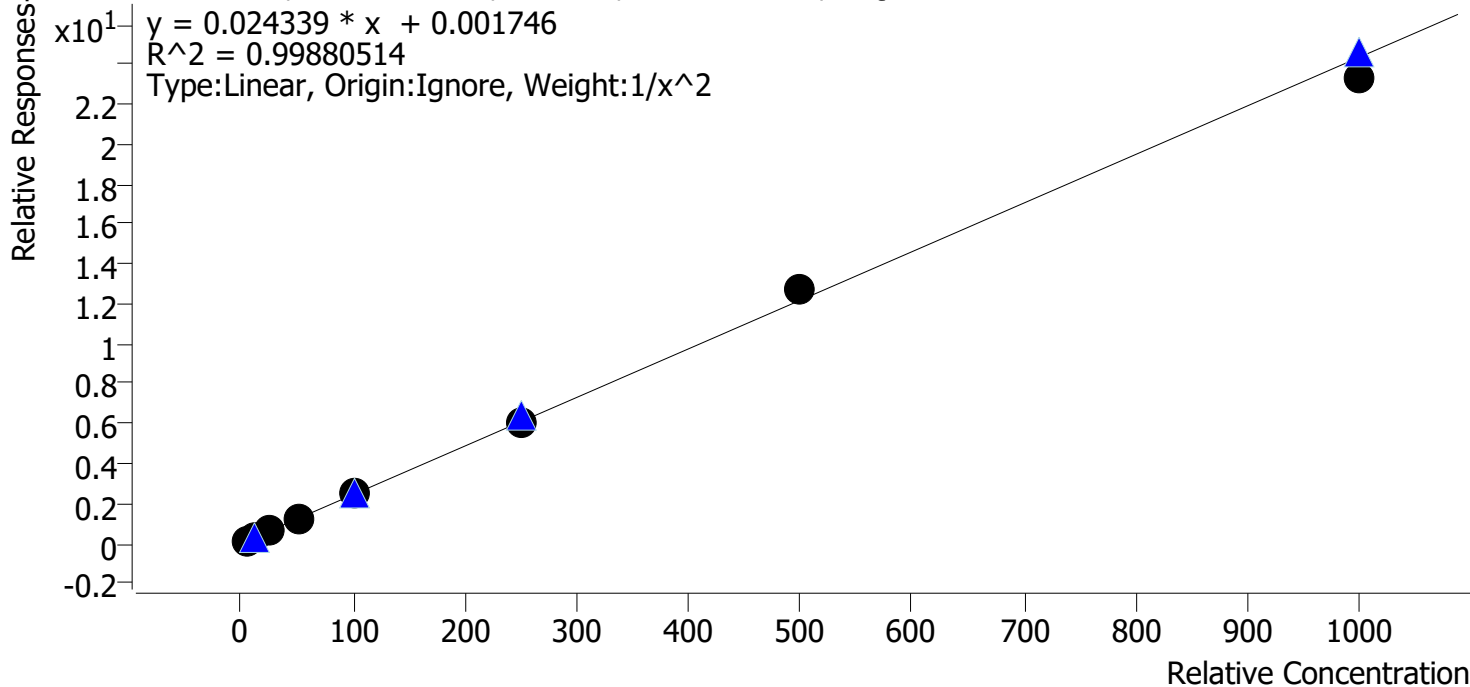
ALH



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Last Cal. Update 2/9/2023 7:42 AM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	522.3	104.5
p1 Cal 8-1000ng	8	✓	1000.0	957.1	95.7

214

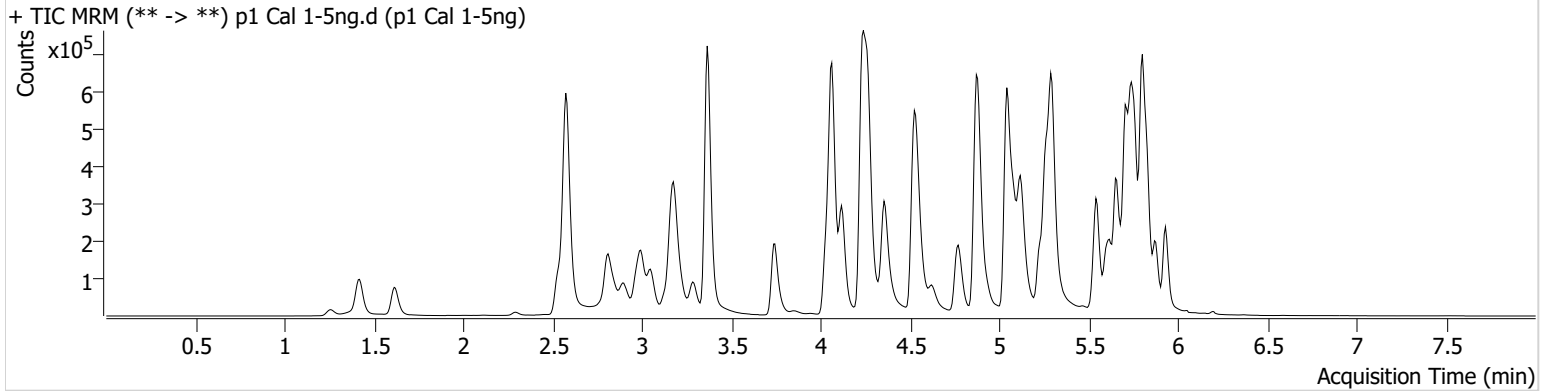


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 12:13:55 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.759	59832	543.81	109.2	350.50	478643	5.0642 ng/ml
Buprenorphine	5.776	987	240.21	17.4	107.35	88070	0.4899 ng/ml
Citalopram	5.225	45785	397.15	36.8	10533.40	354712	5.1129 ng/ml
Hydrocodone	3.026	38684	53.45	31.6	61.31	362756	4.8464 ng/ml
Methamphetamine	3.226	61393	232.62	32.2	174.69	477293	4.8975 ng/ml
Tramadol	4.246	143540	964.57	3.5	97.29	1435697	4.9244 ng/ml

AG

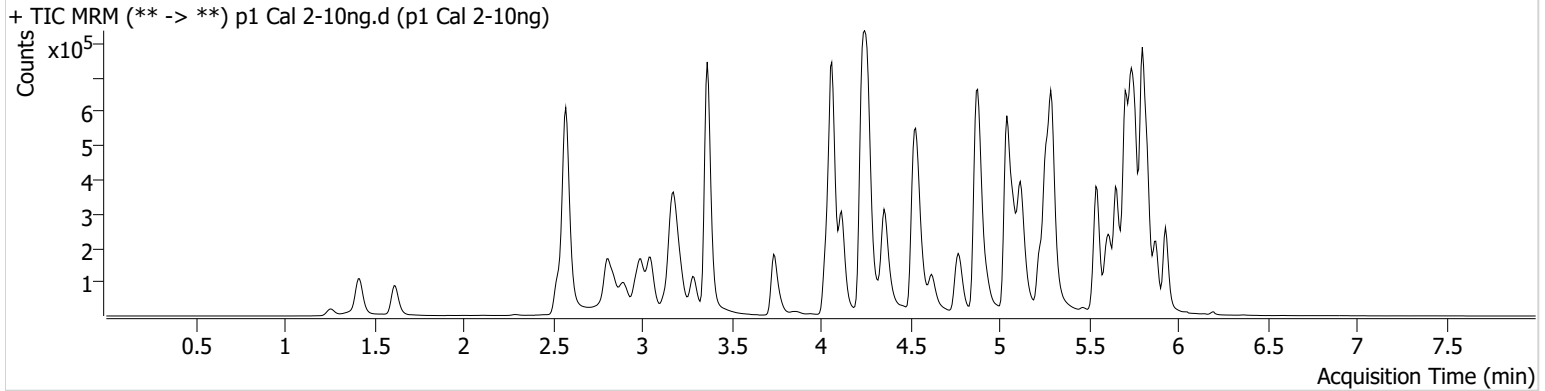


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 Cal 2-10ng.d
Type	Cal	Sample	p1 Cal 2-10ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 12:24:44 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.759	113448	511.82	113.6	589.92	471024	9.8242 ng/ml
Buprenorphine	5.776	1873	60.50	14.9	332.36	74405	1.0461 ng/ml
Citalopram	5.225	77838	296.46	39.6	301.65	314134	9.6465 ng/ml
Hydrocodone	3.019	72900	125.93	31.7	94.28	356047	10.2731 ng/ml
Methamphetamine	3.219	123433	430.33	32.9	1463.14	503894	10.1391 ng/ml
Tramadol	4.246	260772	169.49	3.8	189.69	1308500	10.0848 ng/ml

AG

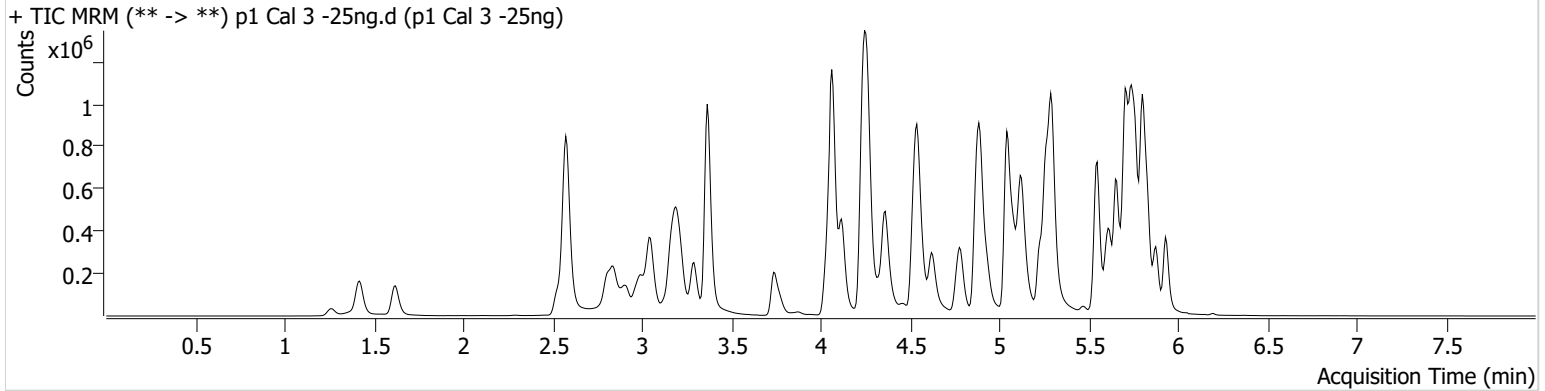


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 12:35:19 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.759	286668	946.76	115.0	1093.26	481038	24.4135 ng/ml
Buprenorphine	5.776	5588	763.89	18.5	2120.00	94285	2.4036 ng/ml
Citalopram	5.225	237856	294.67	38.2	161.98	367848	24.8780 ng/ml
Hydrocodone	3.019	184924	428.76	32.8	75.00	377602	26.0361 ng/ml
Methamphetamine	3.219	345340	1878.02	32.8	752.20	579699	25.9440 ng/ml
Tramadol	4.246	709790	656.13	3.5	234.99	1429268	25.5344 ng/ml

AG

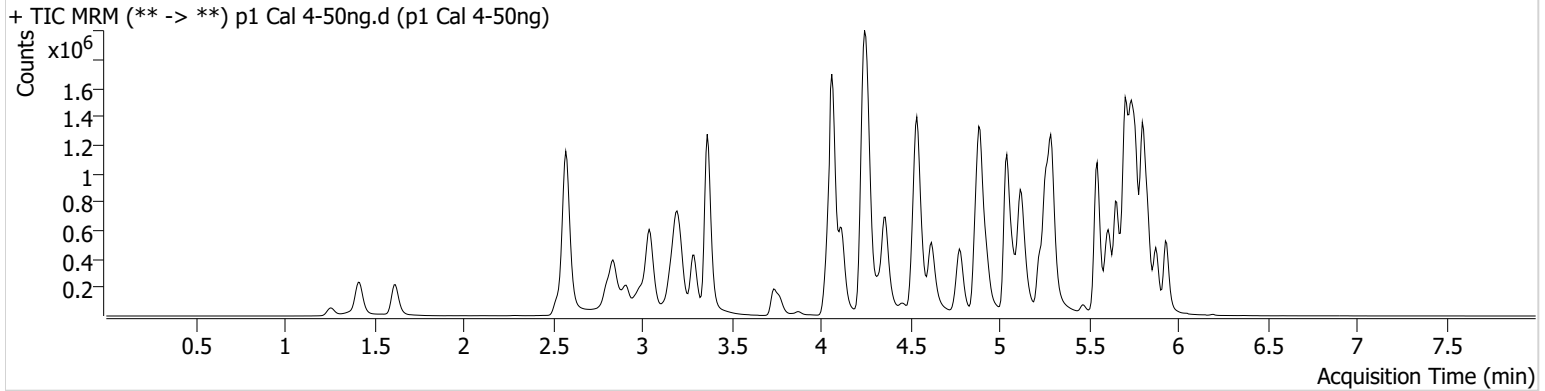


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 12:45:56 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.759	549626	9081.26	116.2	1225.17	457681	49.2694 ng/ml
Buprenorphine	5.776	9565	1357.74	13.9	374.18	73463	5.2283 ng/ml
Citalopram	5.225	390160	359.07	38.5	18771.57	311701	47.9870 ng/ml
Hydrocodone	3.019	358148	∞	32.4	225.54	366945	52.9337 ng/ml
Methamphetamine	3.219	598276	100323.11	33.1	3995.56	508034	52.1635 ng/ml
Tramadol	4.246	1387332	257.92	3.5	81.59	1367115	52.4602 ng/ml

AG

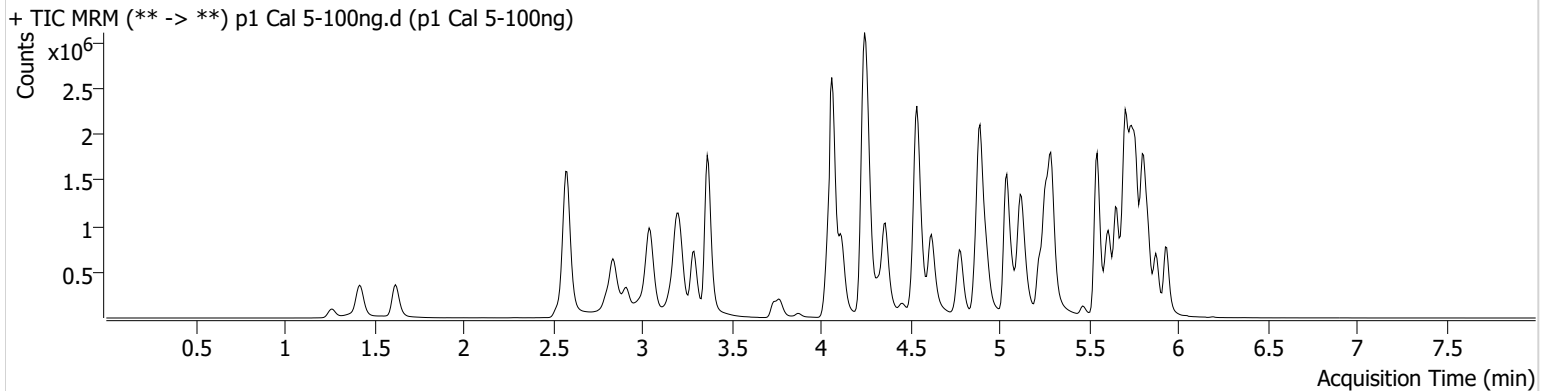


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 12:56:33 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.759	1007990	1434.23	114.4	7533.06	400007	103.4646 ng/ml
Buprenorphine	5.776	16418	15742.33	14.3	2141.17	64409	10.1935 ng/ml
Citalopram	5.225	707488	1009.66	37.9	406638.93	274216	98.7170 ng/ml
Hydrocodone	3.019	658984	∞	31.6	179.46	335337	107.6434 ng/ml
Methamphetamine	3.219	1085268	1699.60	32.8	582.14	467253	103.7563 ng/ml
Tramadol	4.239	2461669	2195.80	3.6	239.80	1242202	102.7034 ng/ml

AG

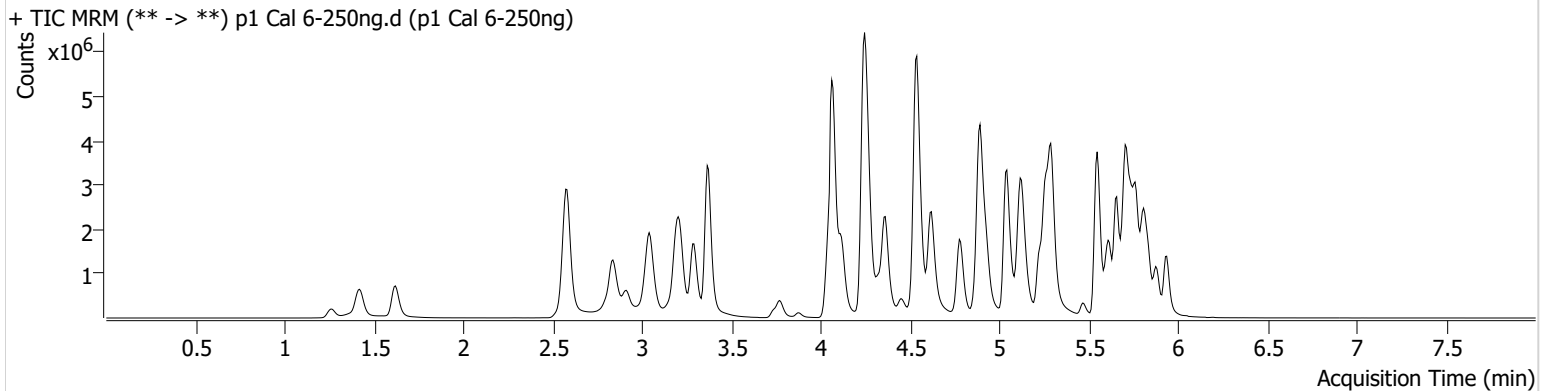


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 1:07:10 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.766	1972040	664.81	113.8	1942.53	321951	251.5978 ng/ml
Buprenorphine	5.776	39601	37767.00	15.8	11165.14	64265	24.5801 ng/ml
Citalopram	5.225	1818312	8578.11	38.6	880055.06	271265	256.1790 ng/ml
Hydrocodone	3.019	1492647	∞	32.5	652.43	322552	254.9098 ng/ml
Methamphetamine	3.219	2547573	42890.54	32.1	14519.28	445029	257.0371 ng/ml
Tramadol	4.239	5914922	∞	3.5	297.10	1166453	263.2244 ng/ml

AG

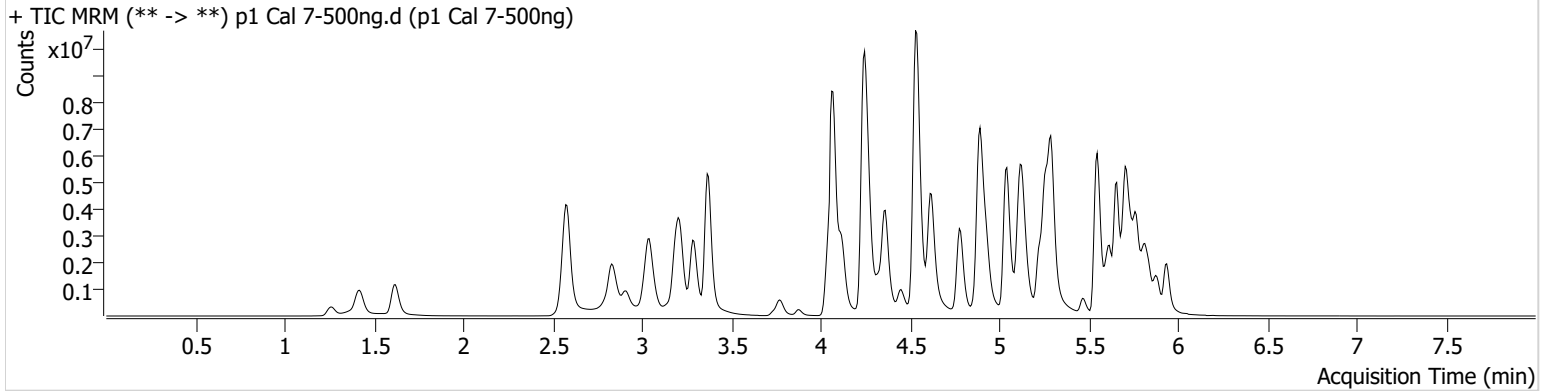


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 1:17:47 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.766	2888599	1492.49	112.2	1985.24	227196	522.3136 ng/ml
Buprenorphine	5.776	65139	90624.32	15.4	9713.21	53434	48.5838 ng/ml
Citalopram	5.225	3233389	40009.50	38.8	46752.77	246643	500.8475 ng/ml
Hydrocodone	3.013	2552928	712.50	32.9	1960.42	302524	465.7098 ng/ml
Methamphetamine	3.219	4986859	3109.70	31.7	3214.37	455831	492.0447 ng/ml
Tramadol	4.239	9889574	2120.28	3.6	108.22	1026706	500.2507 ng/ml

AG

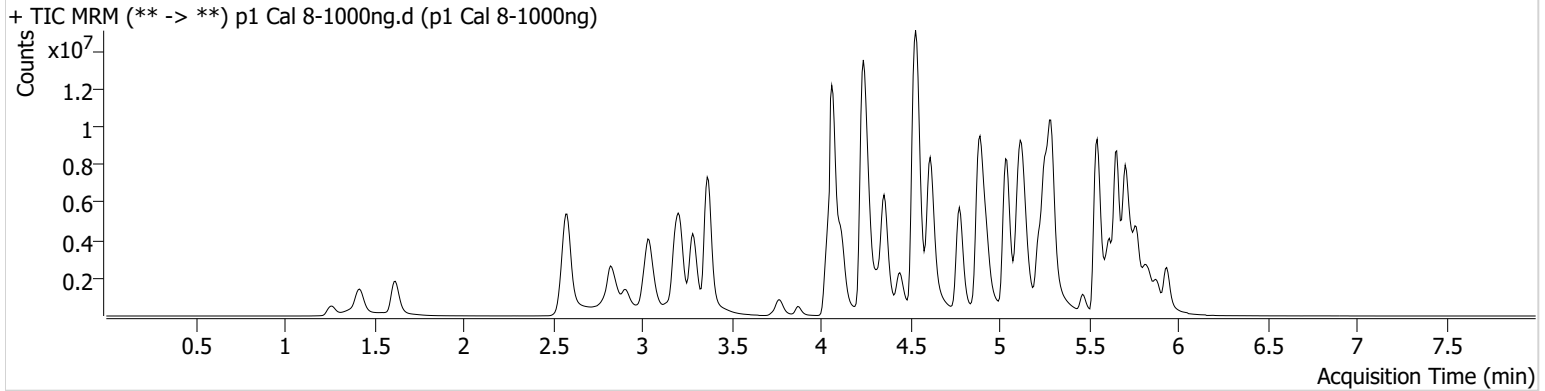


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2023\AM 27 28\020823 AM 28 AG\QuantResults\AM 28_.batch.bin
Calibration Last Update 2/9/2023 7:42:19 AM

Instrument	Falco (069901)	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	2/8/2023 1:28:23 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.766	3641583	411.81	114.3	133.81	156311	957.1349 ng/ml
Buprenorphine	5.776	111326	5868.10	15.4	16960.75	44670	99.2773 ng/ml
Citalopram	5.218	5326141	99936.38	38.7	33588.75	194811	1044.3214 ng/ml
Hydrocodone	3.013	4414538	1376.29	32.7	∞	278469	875.7998 ng/ml
Methamphetamine	3.212	8542538	136871.47	30.8	1068.13	439069	875.7531 ng/ml
Tramadol	4.232	14884140	∞	3.5	622.36	903627	855.6342 ng/ml