3/21/2024

REVIEWED
By Britany Wylie at 1:25 pm, Mar 21, 2024

Worklist: 6736

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
C2024-0383	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
C2024-0424	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-0426	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-0436	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-0445	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-0508	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-0525	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-0535	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-0541	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 3/20/24
Plate lot#: 231215
Mobile phase A: 5mM Amm Form + 0.01% FA
Blank Blood Lot: 23J52629
Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

Analyst: Anne Nord
Plate Retest Date: 06/15/2024
Mobile phase B: 0.01% Formic Acid in MeOH
Blank Urine Lot: 1324
LCMS-QQQ ID: 69679

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. 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 and urine** (if applicable) into wells of analytical (standards) plate. **Pipette ID: P31168J**
☒ 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate. Amount transferred: *300*
☒ 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. ☒ If run contains urine or at the analyst's discretion, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).
☒ 16. Reconstitute in **100µL 20% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Create batch and process data.
☒ 2. Make necessary changes to integration limits
☒ 3. Integration linear and R^2 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: *Compounds evaluated*

7-aminoconlanzepam	5-250 dropped cal 7 and 8 due to accuracy
amphetamine	5-100 dropped cal 6,7 and 8 due to accuracy, qualitative
bupropion	
carisoprodol	
clonazepam	
dihydrocodeine	5-500 dropped cal 8 due to accuracy
duloxetine	10-1000 dropped cal 1 due to poor qualifier peak response putting ratio out
fentanyl	
fluorofentanyl	

fluoxetine	
hydrocodone	
hydroxyzine	
lamotrigine	
meprobamate	5-500 dropped cal 8 due accuracy of 1000 QC
methamphetamine	5-250 dropped cal 7 and 8 due to accuracy
methorphan	
metoprolol	
norfentanyl	
norhydrocodone	Not evaluated due to rising ratios
noroxycodone	
oxycodone	
trazodone	5-500 dropped cal 8 due to accuracy

pseudoephedrine/ephedrine

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	0426-1									
B	IS + Cal. 2	IS + QC_2	0445-3									
C	IS + Cal. 3	IS + QC 3	0436-1									
D	IS + Cal. 4	IS + QC_4	0508-1									
E	IS + Cal. 5	IS + QC_2	0535-1									
F	IS + Cal. 6	negative blood	0541-1									
G	IS + Cal. 7	0424-1	negative urine									
H	IS + Cal. 8	0525-1		0383-1								

blank in front

plate position 2

c2024-____-_

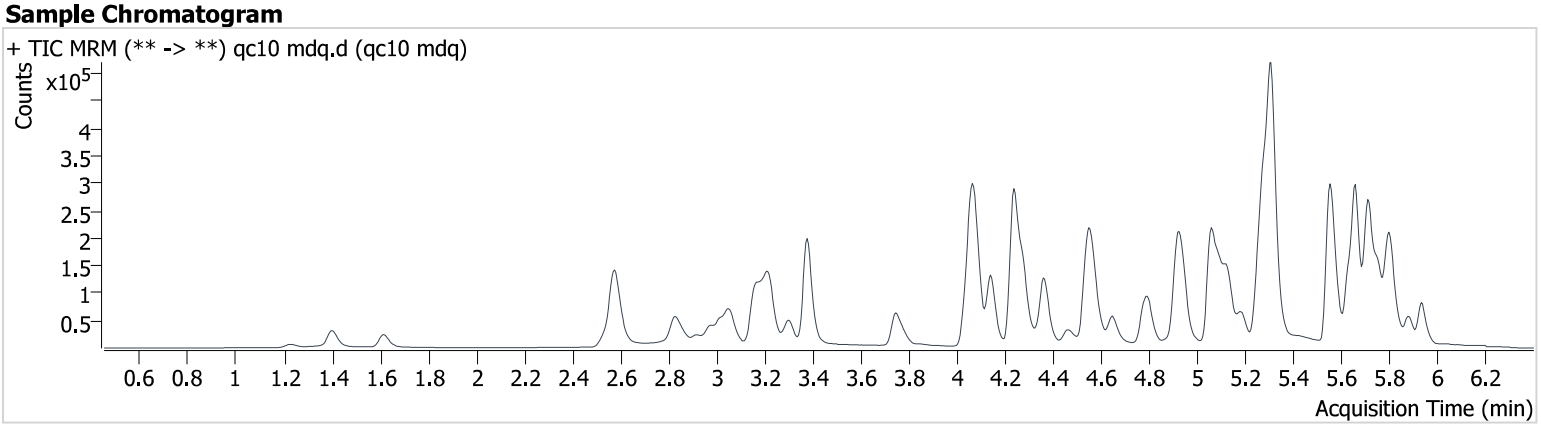
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-A2
Injection Volume 2
Acq. Date-Time 3/20/2024 12:10:53 PM
Sample Info.

Data File qc10 mdq.d
Sample qc10 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio		S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.253	3866	1285.9	126.14		657.0	46936	10.232	ng/ml
Amphetamine	3.058	33358	6253.2	291.88		9967.2	99058	9.251	ng/ml
Bupropion	4.799	62519	10934.5	76.26		2717.1	180932	9.773	ng/ml
Carisoprodol	5.709	24500	99196.9	78.57		381.7	99891	8.928	ng/ml
Clonazepam	5.602	9363	1315.3	36.16		636.9	18725	9.766	ng/ml
Dextromethorphan	5.289	34181	2498.5	77.83		4000.5	205246	9.081	ng/ml
Dihydrocodeine	2.565	9890	887.7	68.72		457.7	58905	10.731	ng/ml
Duloxetine	5.660	9609	81.1	10.17		651.2	34320	8.622	ng/ml
Fentanyl	5.111	6212	365.8	142.40		1201.8	264077	0.980	ng/ml
Fluorofentanyl	5.167	5978	2073.0	123.79		44.5	4142	1.026	ng/ml
Fluoxetine	5.717	71065	2483.6	6.81		28459.3	249985	9.372	ng/ml
Hydrocodone	3.045	18062	644.0	43.93		274.0	113211	8.896	ng/ml
Hydroxyzine	5.720	65591	266.4	101.25		2563.9	858788	9.281	ng/ml
Lamotrigine	4.316	2818	353.9	118.90		1677.5	99891	7.861	ng/ml
Meprobamate	4.903	6008	827.3	59.88		726.0	21479	9.409	ng/ml
Methamphetamine	3.227	110093	33170.0	33.44		2023.3	260085	9.793	ng/ml
Metoprolol	4.335	11830	17926.8	101.97		5518.4	259933	9.923	ng/ml
Norfentanyl	4.087	3714	890.8	28.72		864.0	447078	0.959	ng/ml
Norhydrocodone	3.091	2508	454.8	17.72	**Low**	66.3	25042	8.390	ng/ml
Noroxycodone	2.937	12395	1179.1	54.50		533.3	43586	9.635	ng/ml
Oxycodone	2.860	34745	2003.5	30.27		1607.7	160064	9.814	ng/ml
Pseudoephedrine	2.588	80216	4599.3	17.55		3558.4	336076	10.026	ng/ml
Trazodone	5.187	59031	1599.9	124.67		3092.3	298177	9.765	ng/ml

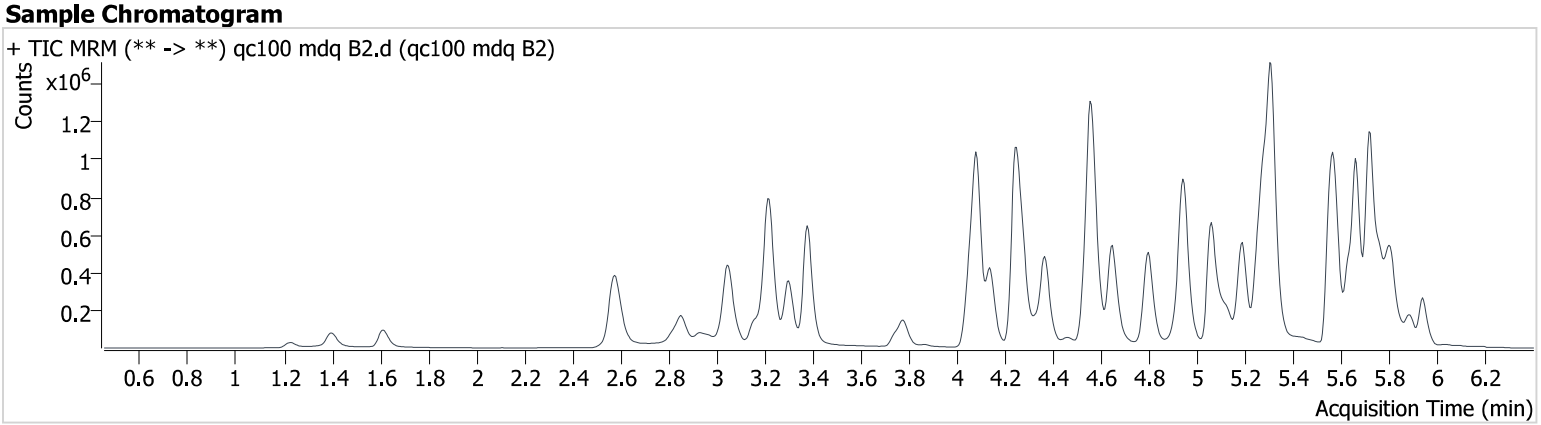
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type Sample
Acq. Method mdqp1 121523.m
Sample Position P2-B2
Injection Volume 2
Acq. Date-Time 3/20/2024 3:13:22 PM
Sample Info.

Data File qc100 mdq B2.d
Sample qc100 mdq B2
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.248	40133	2736.1	125.40	123125.9	53868	98.135	ng/ml
Amphetamine	3.053	279178	12142.7	270.46	707464.7	107054	80.001	ng/ml
Bupropion	4.799	699164	93880.6	75.44	254227.4	216342	91.547	ng/ml
Carisoprodol	5.709	214983	670973.7	64.76	5406.9	84425	101.695	ng/ml
Clonazepam	5.602	87225	57042.6	34.70	4098.0	16167	102.568	ng/ml
Dextromethorphan	5.289	350193	267087.6	72.33	∞	189700	94.842	ng/ml
Dihydrocodeine	2.560	94165	7663.5	66.48	1225.4	58068	111.210	ng/ml
Duloxetine	5.660	95669	547.6	8.54	1723.8	33299	88.554	ng/ml
Fentanyl	5.111	63616	20267.8	137.79	6086.3	287603	8.741	ng/ml
Fluorofentanyl	5.167	61467	44632.3	116.61	415.6	3662	10.773	ng/ml
Fluoxetine	5.717	659584	∞	6.47	44942.2	230255	95.594	ng/ml
Hydrocodone	3.040	202983	∞	40.03	∞	116653	104.159	ng/ml
Hydroxyzine	5.720	652422	28820.3	103.89	42640.3	879083	95.308	ng/ml
Lamotrigine	4.311	25032	28626.2	99.09	4378.3	84425	85.999	ng/ml
Meprobamate	4.898	60045	9868.9	52.04	2492.4	23436	94.226	ng/ml
Methamphetamine	3.222	979934	∞	37.23	36522.9	298600	96.337	ng/ml
Metoprolol	4.330	124035	∞	98.36	∞	242252	108.997	ng/ml
Norfentanyl	4.093	32832	42225.9	29.97	79133.7	384593	9.233	ng/ml
Norhydrocodone	3.086	34872	3113.8	23.89	836.2	30316	87.736	ng/ml
Noroxycodone	2.932	122573	∞	52.14	∞	41962	100.218	ng/ml
Oxycodone	2.855	364593	∞	29.84	∞	168490	100.992	ng/ml
Pseudoephedrine	2.583	774569	∞	17.25	∞	313761	100.923	ng/ml
Trazodone	5.187	620021	90188.3	129.58	15990.3	326369	97.988	ng/ml

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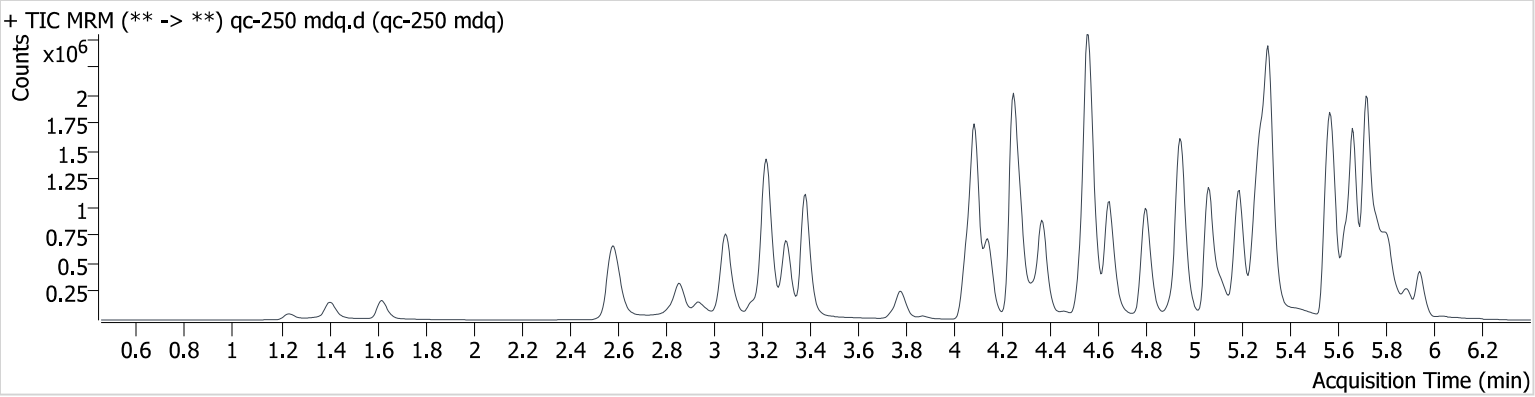
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-C2
Injection Volume 2
Acq. Date-Time 3/20/2024 12:19:35 PM
Sample Info.

Data File qc-250 mdq.d
Sample qc-250 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.248	76132	7336.6	118.32	14821.5	44525	226.125	ng/ml
Amphetamine	3.058	503262	28972.2	264.89	76378.4	88384	176.145	ng/ml
Bupropion	4.799	1519807	349049.1	72.89	25405.6	185076	232.644	ng/ml
Carisoprodol	5.709	342268	∞	66.79	32447.3	57492	239.035	ng/ml
Clonazepam	5.607	155642	25146.9	33.86	20961.4	12665	233.267	ng/ml
Dextromethorphan	5.289	677728	54330.1	73.66	∞	150579	230.406	ng/ml
Dihydrocodeine	2.565	213264	3245.6	68.63	1616.6	59177	248.217	ng/ml
Duloxetine	5.660	172785	457.4	8.57	7843.7	24714	215.507	ng/ml
Fentanyl	5.111	154318	23156.8	136.45	22178.1	250252	24.268	ng/ml
Fluorofentanyl	5.167	141797	2040.9	116.50	1982.5	3445	26.257	ng/ml
Fluoxetine	5.717	1196718	59341.5	6.69	211462.1	173111	230.874	ng/ml
Hydrocodone	3.040	411071	4834.1	41.11	6929.3	101329	243.796	ng/ml
Hydroxyzine	5.720	1298200	86351.8	105.11	290287.8	702382	238.232	ng/ml
Lamotrigine	4.316	53175	31477.5	97.52	137431.3	57492	269.022	ng/ml
Meprobamate	4.903	126119	22786.5	51.18	7261.0	20253	230.416	ng/ml
Methamphetamine	3.227	1948626	100924.9	37.38	123948.1	270453	215.120	ng/ml
Metoprolol	4.335	244748	156396.6	99.21	∞	192496	270.285	ng/ml
Norfentanyl	4.093	58563	7434.0	29.74	37824.0	270671	23.299	ng/ml
Norhydrocodone	3.091	78114	5466.0	26.16	4765.6	25953	228.241	ng/ml
Noroxycodone	2.937	279249	∞	50.86	∞	35986	266.462	ng/ml
Oxycodone	2.855	773037	∞	29.65	3765.6	156237	231.378	ng/ml
Pseudoephedrine	2.588	1584137	∞	17.70	∞	257036	251.513	ng/ml
Trazodone	5.187	1306596	378074.3	131.47	811421.9	309027	218.692	ng/ml

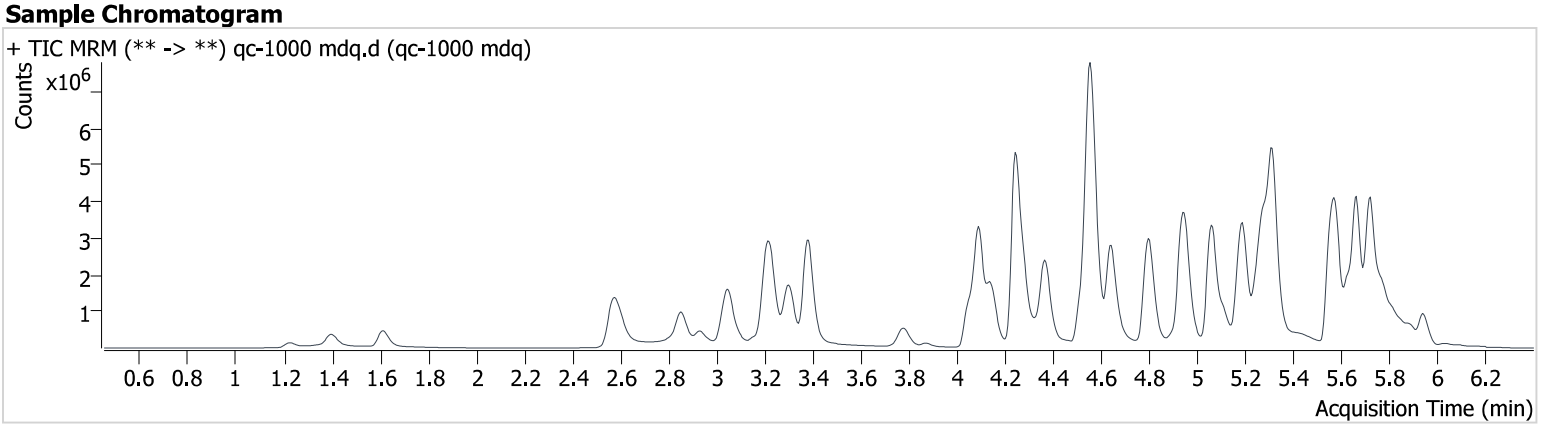
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-D2
Injection Volume 2
Acq. Date-Time 3/20/2024 12:28:15 PM
Sample Info.

Data File qc-1000 mdq.d
Sample qc-1000 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.248	131556	24146.2	115.69	12681.0	28073	620.957	ng/ml
Amphetamine	3.053	1106499	90866.0	248.01	2997.1	81899	419.651	ng/ml
Bupropion	4.799	5351214	706319.2	68.39	∞	183300	827.117	ng/ml
Carisoprodol	5.703	567816	820698.7	64.55	57370.8	28086	814.055	ng/ml
Clonazepam	5.607	330637	971281.1	33.68	18230.7	6236	1005.383	ng/ml
Dextromethorphan	5.289	1432694	313388.2	75.29	401299.7	79058	925.957	ng/ml
Dihydrocodeine	2.554	613166	55140.6	67.30	26542.0	56569	748.309	ng/ml
Duloxetine	5.660	243387	211.6	9.99	9415.2	8693	863.014	ng/ml
Fentanyl	5.111	646079	39387.7	146.93	481591.3	242830	104.522	ng/ml
Fluorofentanyl	5.162	515901	661419.6	109.42	64924.9	3330	98.546	ng/ml
Fluoxetine	5.717	2351793	90498.2	6.66	239856.3	91321	860.417	ng/ml
Hydrocodone	3.035	1356298	∞	41.46	∞	100142	815.607	ng/ml
Hydroxyzine	5.720	2996067	424279.3	109.62	433598.3	478015	809.277	ng/ml
Lamotrigine	4.311	97337	∞	94.91	73872.2	28086	1009.031	ng/ml
Meprobamate	4.903	381947	60066.5	47.55	47891.1	20751	683.010	ng/ml
Methamphetamine	3.222	4968848	490848.9	39.31	814136.5	294921	507.075	ng/ml
Metoprolol	4.335	576309	489846.8	101.23	∞	105859	1156.476	ng/ml
Norfentanyl	4.103	96087	5611.0	28.84	60237.7	86521	119.316	ng/ml
Norhydrocodone	3.086	244102	15811.3	26.68	5308.2	19476	947.834	ng/ml
Noroxycodone	2.932	847148	∞	50.43	∞	32604	892.531	ng/ml
Oxycodone	2.849	2662393	∞	29.29	∞	148492	839.370	ng/ml
Pseudoephedrine	2.583	4269716	∞	17.69	∞	165925	1049.197	ng/ml
Trazodone	5.187	4187912	1239204.4	134.47	11783551.9	335023	647.537	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument	69679	**Data File**	negative blood f2.d
Type	Sample	**Sample**	negative blood f2
Acq. Method	mdqp1 121523.m	**Operator**	Anne Nord
Sample Position	P2-F2	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/20/2024 12:54:19 PM		
Sample Info.			

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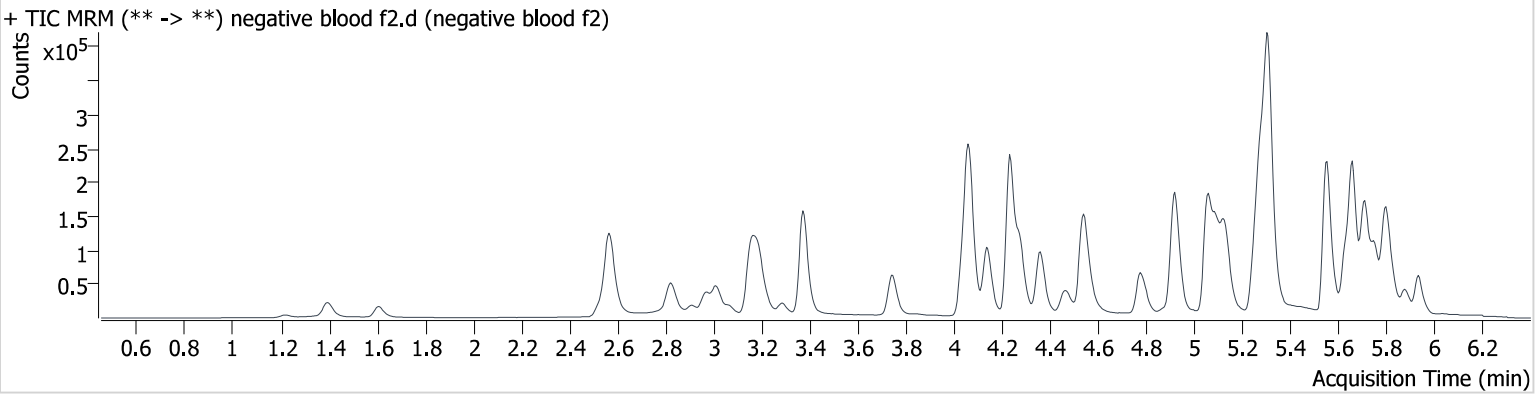
Sample Chromatogram



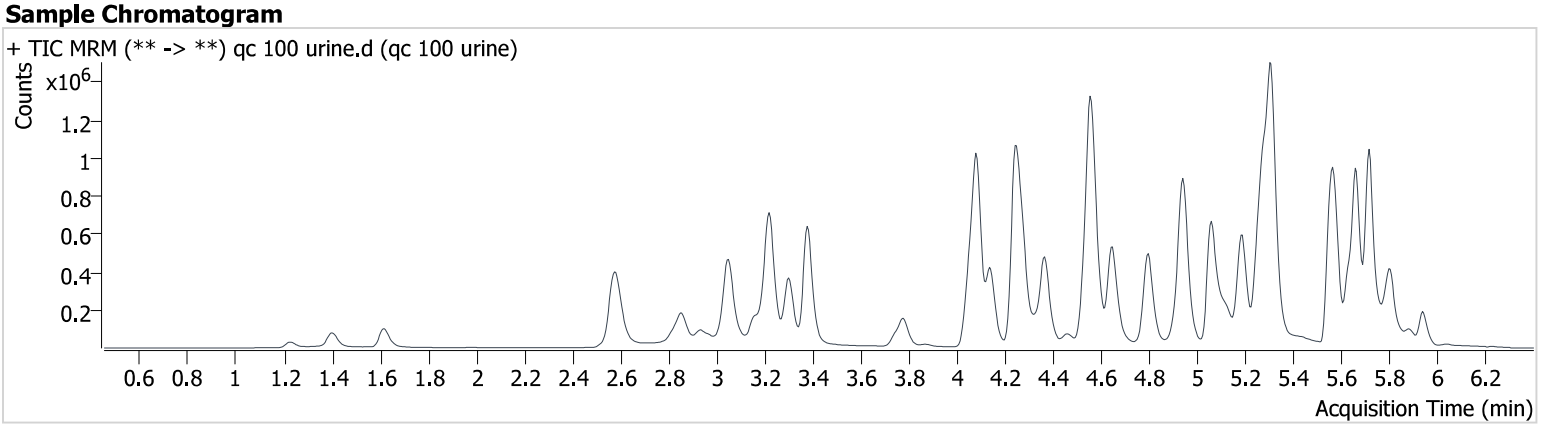
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type Sample
Acq. Method mdqp1 121523.m
Sample Position P2-E2
Injection Volume 2
Acq. Date-Time 3/20/2024 12:45:37 PM
Sample Info.

Data File qc 100 urine.d
Sample qc 100 urine
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.248	38808	4468.4	120.90	4155.4	49468	103.372	ng/ml
Amphetamine	3.053	306505	4432.6	257.81	24965.5	105564	89.212	ng/ml
Bupropion	4.799	698326	83551.8	72.68	∞	205075	96.462	ng/ml
Carisoprodol	5.709	155712	580863.0	64.24	3264.6	59323	104.854	ng/ml
Clonazepam	5.602	29795	15871.8	34.50	3489.1	5040	112.366	ng/ml
Dextromethorphan	5.289	340761	79403.5	71.10	24415.4	188919	92.683	ng/ml
Dihydrocodeine	2.560	93446	863.2	68.37	1163.0	59290	108.062	ng/ml
Duloxetine	5.660	117374	599.0	9.21	443.0	38350	94.337	ng/ml
Fentanyl	5.111	67114	2041.8	145.51	7917.0	290019	9.142	ng/ml
Fluorofentanyl	5.167	74470	1224.1	115.24	2774.3	5086	9.412	ng/ml
Fluoxetine	5.717	608888	126796.3	5.99	65014.1	231843	87.632	ng/ml
Hydrocodone	3.040	206131	∞	41.24	1951.8	119818	102.972	ng/ml
Hydroxyzine	5.720	534334	38004.9	106.89	33486.3	882111	77.681	ng/ml
Lamotrigine	4.316	24919	3190.3	101.71	5245.1	59323	121.984	ng/ml
Meprobamate	4.898	56337	7987.9	53.59	5604.1	21623	95.835	ng/ml
Methamphetamine	3.227	900433	∞	36.06	46313.3	301186	87.492	ng/ml
Metoprolol	4.330	120649	10393.2	102.43	8003.2	249367	103.011	ng/ml
Norfentanyl	4.093	32782	3300.1	30.42	52948.6	371839	9.533	ng/ml
Norhydrocodone	3.086	27358	1306.6	20.61	687.9	26171	79.807	ng/ml
Noroxycodone	2.932	144788	∞	50.21	∞	48540	102.343	ng/ml
Oxycodone	2.855	392876	∞	29.73	∞	179902	101.927	ng/ml
Pseudoephedrine	2.583	800942	80538.9	18.17	∞	336616	97.284	ng/ml
Trazodone	5.187	650519	12653.0	132.44	∞	333704	100.561	ng/ml

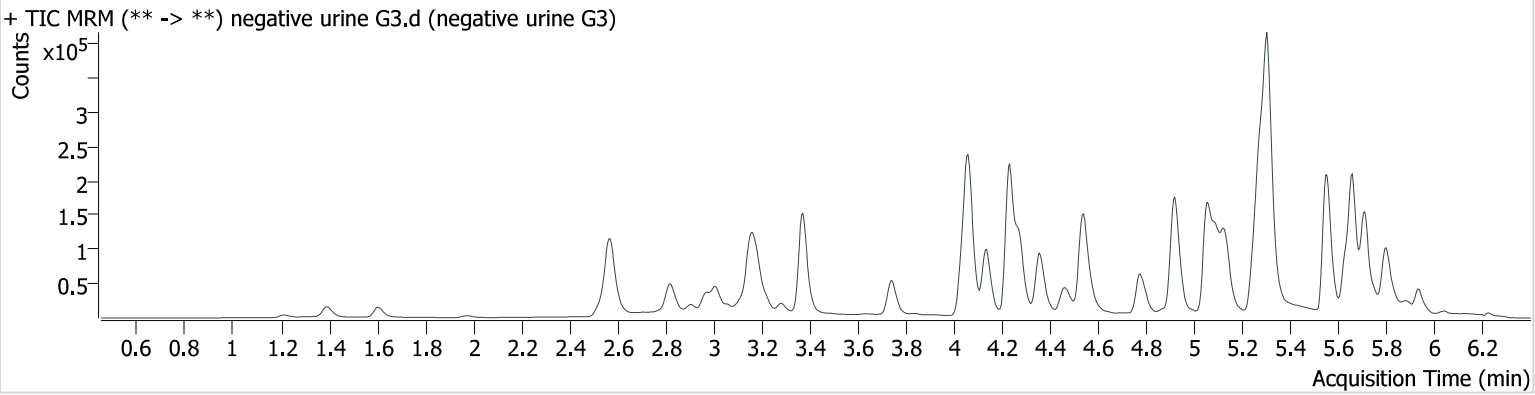
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument	69679	**Data File**	negative urine G3.d
Type	Sample	**Sample**	negative urine G3
Acq. Method	mdqp1 121523.m	**Operator**	Anne Nord
Sample Position	P2-G3	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/20/2024 2:47:19 PM		
Sample Info.			

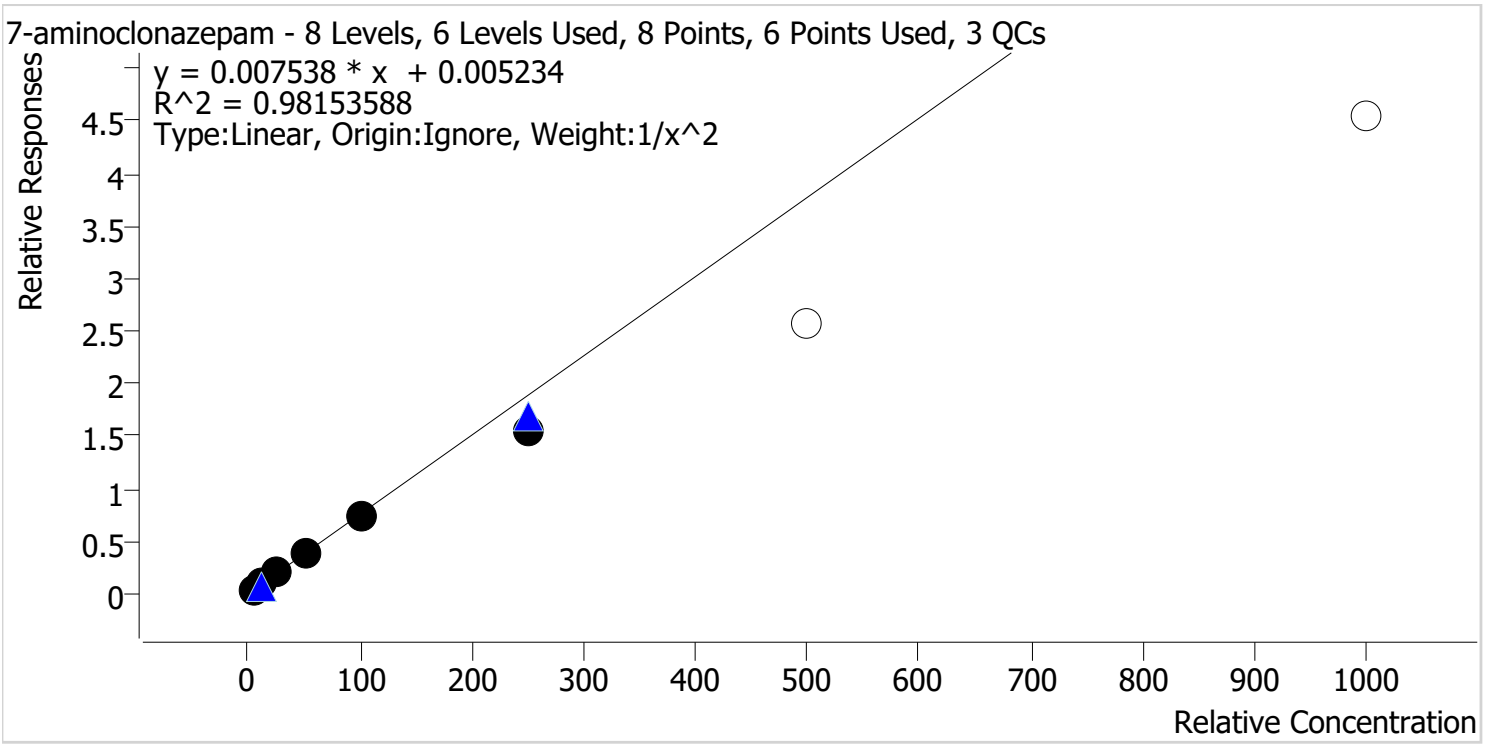
Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Compound Calibration Report

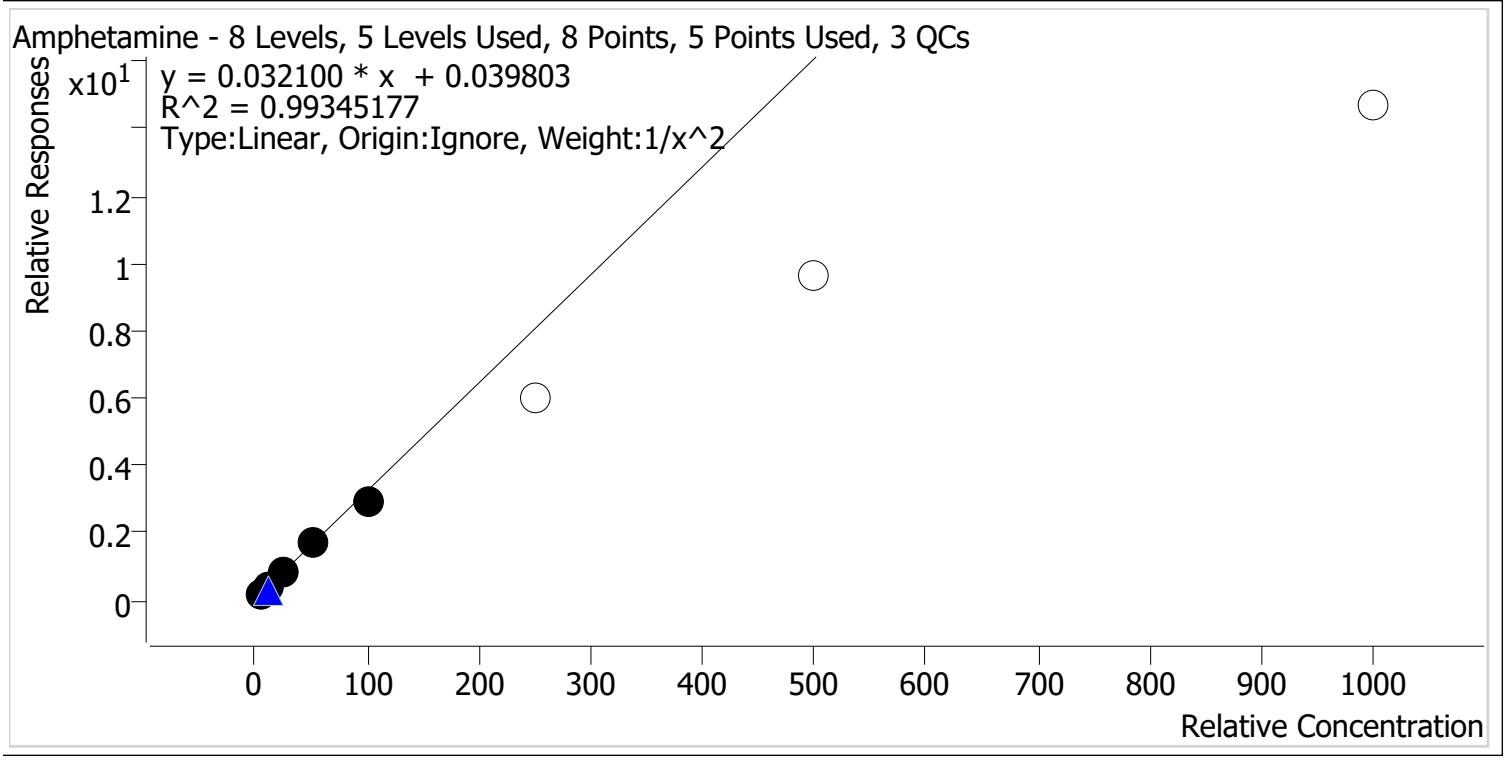
Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	7-aminoclonazepam
Internal Standard	7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.6	92.7
cal 2 mdq	2	✔	10.0	11.0	109.7
cal 3 mdq	3	✔	25.0	27.9	111.7
cal 4 mdq	4	✔	50.0	52.8	105.7
cal 5 mdq	5	✔	100.0	97.6	97.6
cal 6 mdq	6	✔	250.0	206.6	82.6
cal 7 mdq	7	✗	500.0	341.2	68.2
cal 8 mdq	8	✗	1000.0	604.4	60.4

Compound Calibration Report

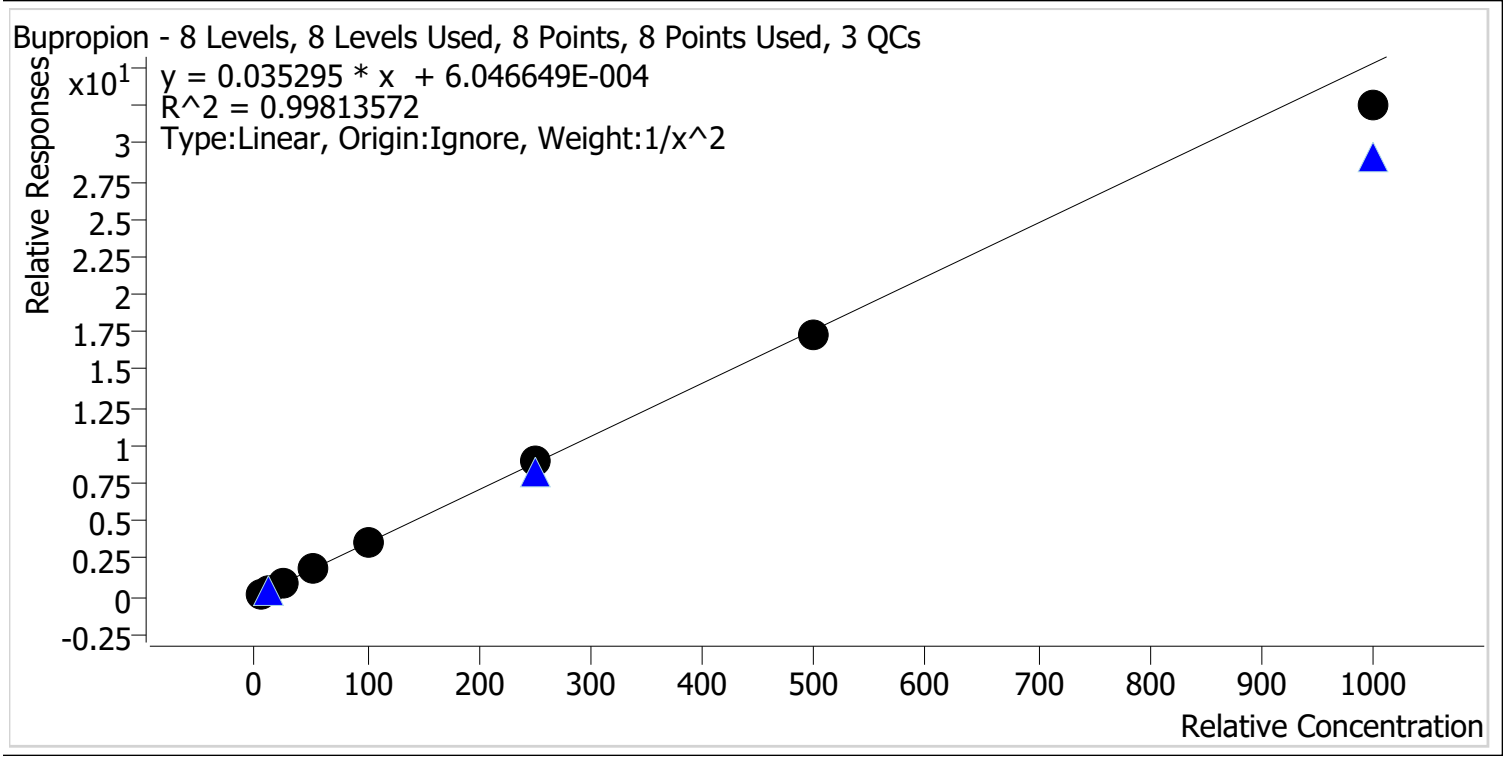
Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Amphetamine
Internal Standard	Amphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.6
cal 2 mdq	2	✔	10.0	10.5	105.1
cal 3 mdq	3	✔	25.0	26.3	105.2
cal 4 mdq	4	✔	50.0	51.1	102.3
cal 5 mdq	5	✔	100.0	90.7	90.7
cal 6 mdq	6	✗	250.0	184.7	73.9
cal 7 mdq	7	✗	500.0	299.2	59.8
cal 8 mdq	8	✗	1000.0	456.5	45.7

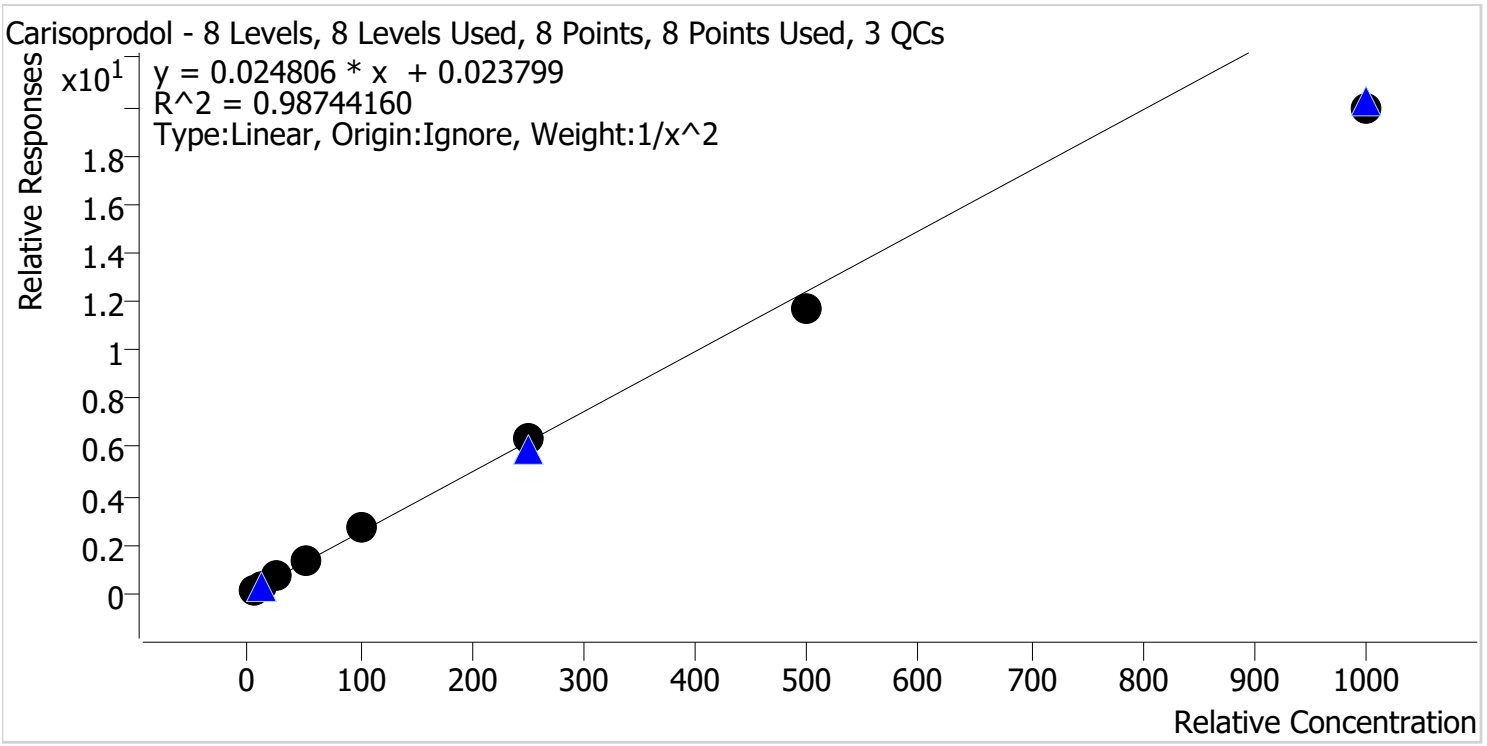
Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Bupropion
Internal Standard	Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.5
cal 2 mdq	2	✔	10.0	9.9	99.0
cal 3 mdq	3	✔	25.0	25.8	103.3
cal 4 mdq	4	✔	50.0	51.3	102.6
cal 5 mdq	5	✔	100.0	102.7	102.7
cal 6 mdq	6	✔	250.0	256.4	102.6
cal 7 mdq	7	✔	500.0	491.7	98.3
cal 8 mdq	8	✔	1000.0	920.6	92.1

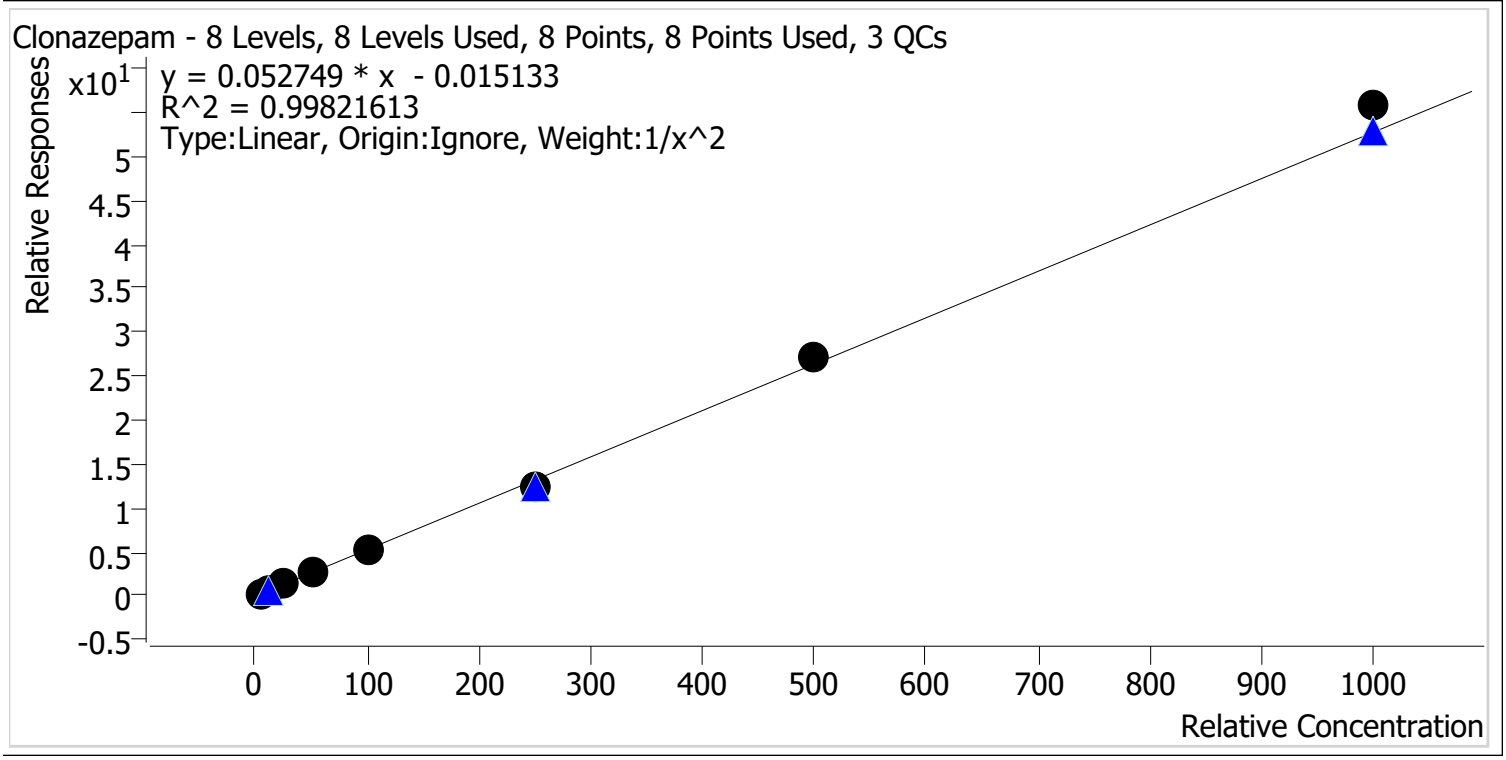
Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Carisoprodol
Internal Standard	Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.4
cal 2 mdq	2	✔	10.0	10.1	101.3
cal 3 mdq	3	✔	25.0	27.1	108.3
cal 4 mdq	4	✔	50.0	55.2	110.4
cal 5 mdq	5	✔	100.0	107.5	107.5
cal 6 mdq	6	✔	250.0	254.5	101.8
cal 7 mdq	7	✔	500.0	468.4	93.7
cal 8 mdq	8	✔	1000.0	805.5	80.5

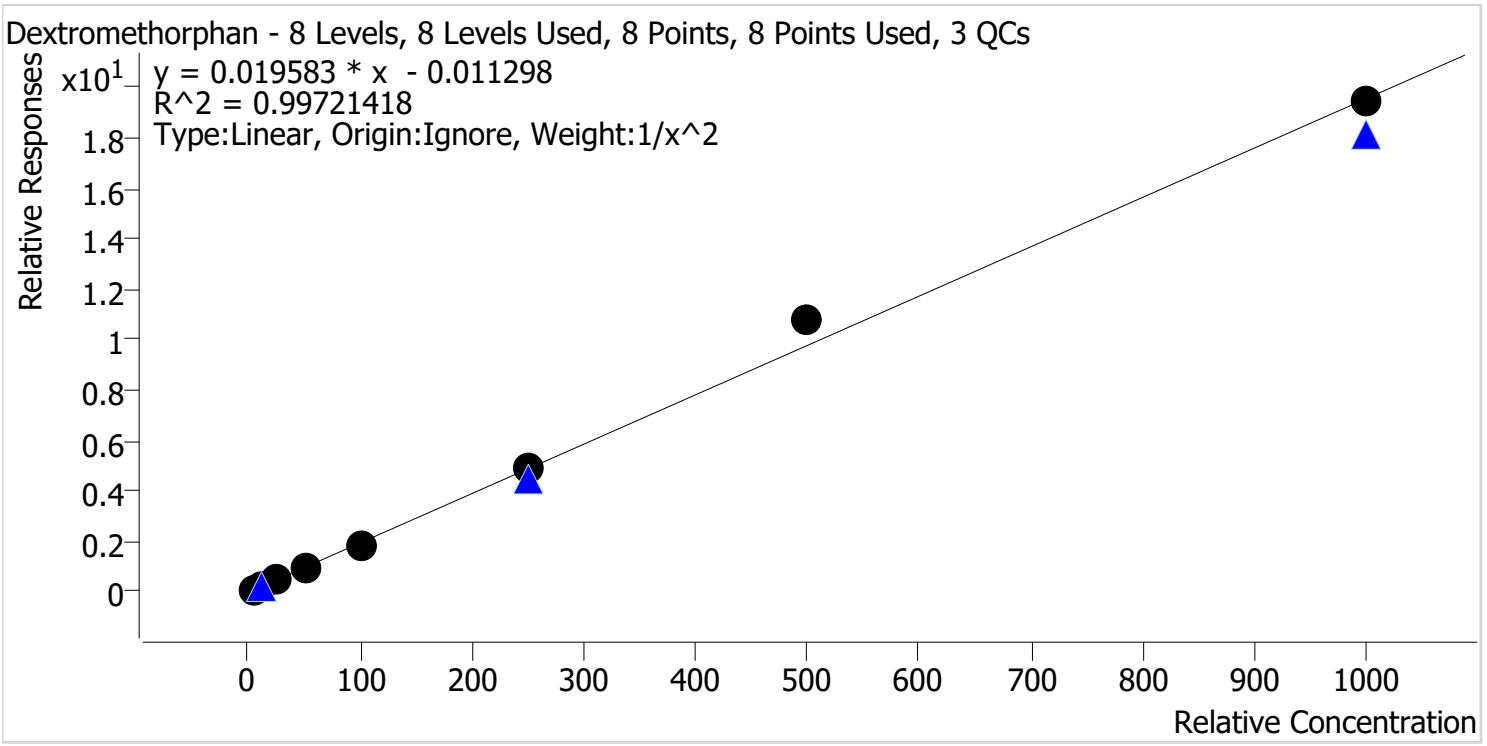
Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Clonazepam
Internal Standard	Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.9
cal 2 mdq	2	✔	10.0	10.4	103.7
cal 3 mdq	3	✔	25.0	24.7	98.7
cal 4 mdq	4	✔	50.0	48.4	96.7
cal 5 mdq	5	✔	100.0	98.2	98.2
cal 6 mdq	6	✔	250.0	238.1	95.3
cal 7 mdq	7	✔	500.0	514.0	102.8
cal 8 mdq	8	✔	1000.0	1057.6	105.8

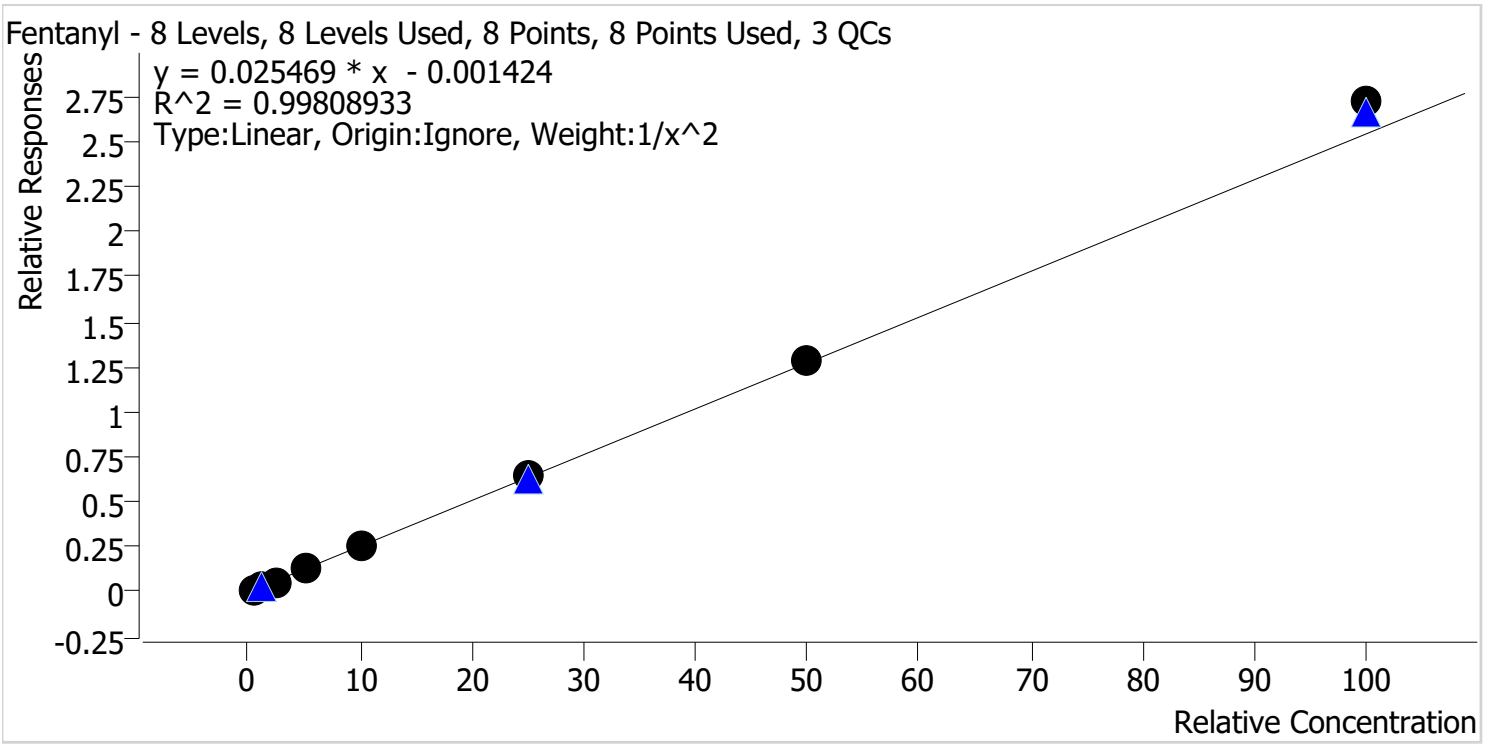
Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Dextromethorphan
Internal Standard	Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	102.9
cal 2 mdq	2	✔	10.0	9.5	95.5
cal 3 mdq	3	✔	25.0	24.6	98.3
cal 4 mdq	4	✔	50.0	48.7	97.4
cal 5 mdq	5	✔	100.0	96.7	96.7
cal 6 mdq	6	✔	250.0	249.9	100.0
cal 7 mdq	7	✔	500.0	549.2	109.8
cal 8 mdq	8	✔	1000.0	994.1	99.4

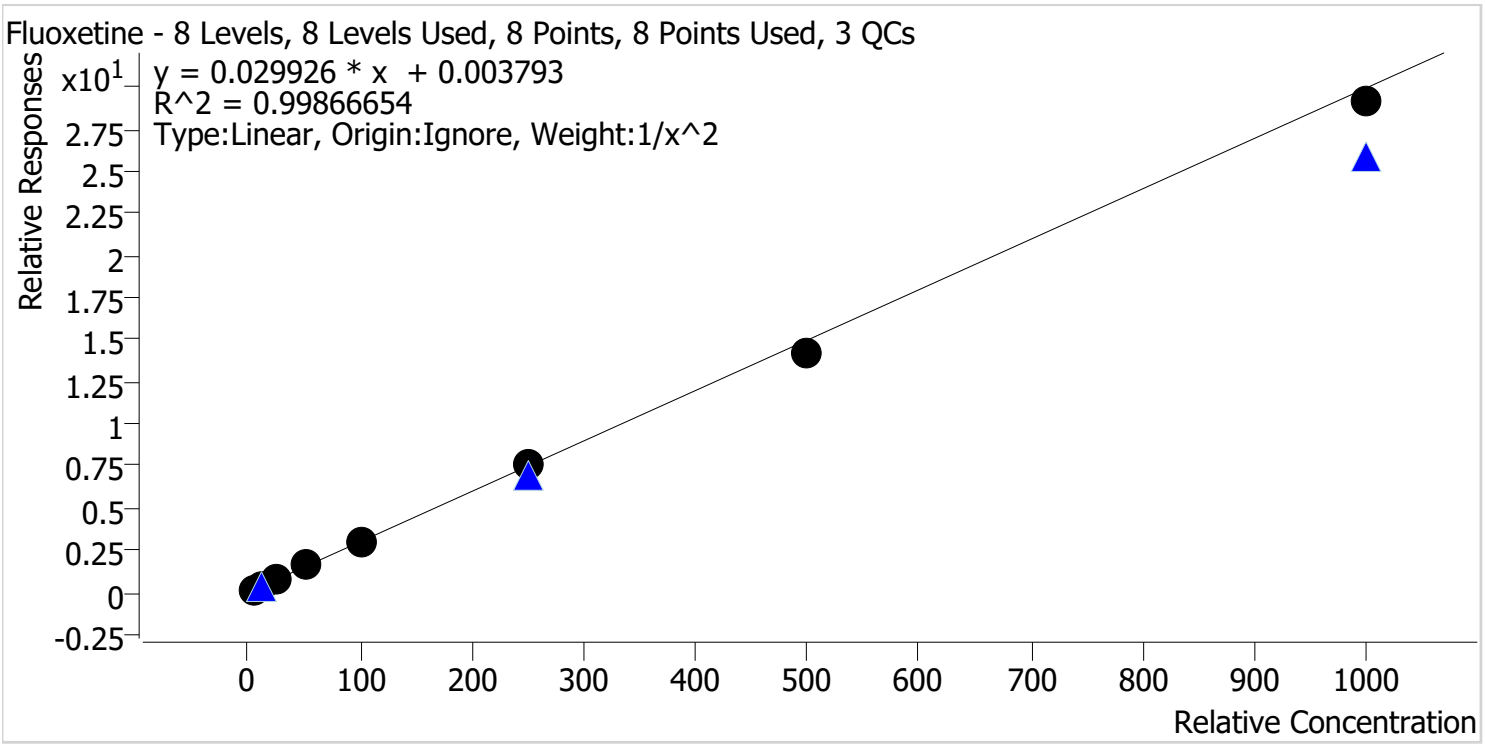
Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Fentanyl
Internal Standard	Fentanyl-D5



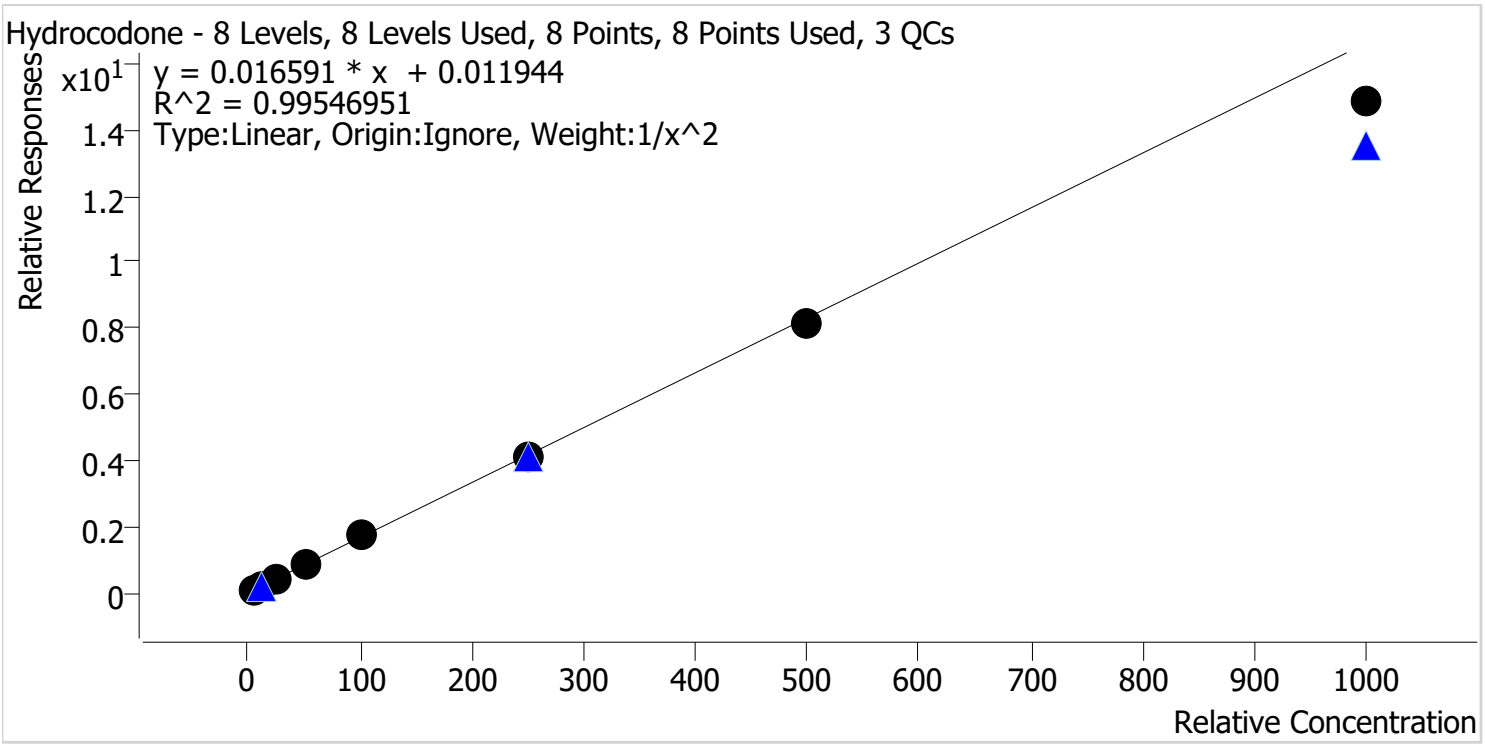
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	0.5	0.5	102.8
cal 2 mdq	2	✔	1.0	1.0	96.9
cal 3 mdq	3	✔	2.5	2.4	95.4
cal 4 mdq	4	✔	5.0	4.9	97.2
cal 5 mdq	5	✔	10.0	9.9	98.5
cal 6 mdq	6	✔	25.0	25.2	100.8
cal 7 mdq	7	✔	50.0	50.7	101.4
cal 8 mdq	8	✔	100.0	107.1	107.1

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Fluoxetine
Internal Standard	Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.6
cal 2 mdq	2	✔	10.0	10.0	100.3
cal 3 mdq	3	✔	25.0	26.0	104.1
cal 4 mdq	4	✔	50.0	52.1	104.3
cal 5 mdq	5	✔	100.0	100.4	100.4
cal 6 mdq	6	✔	250.0	250.0	100.0
cal 7 mdq	7	✔	500.0	474.7	94.9
cal 8 mdq	8	✔	1000.0	973.0	97.3

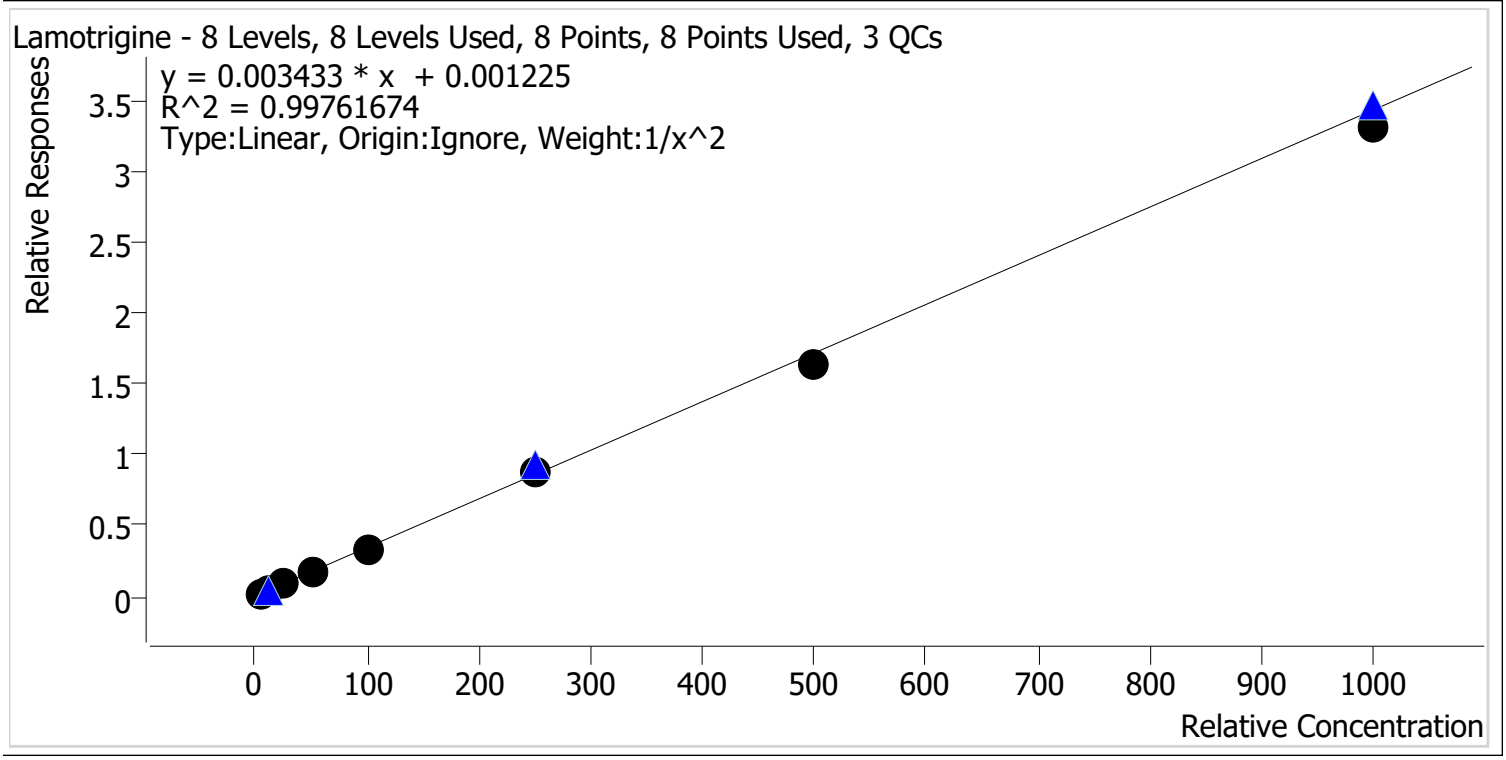
Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Hydrocodone
Internal Standard	Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	95.1
cal 2 mdq	2	✔	10.0	10.7	107.2
cal 3 mdq	3	✔	25.0	25.9	103.7
cal 4 mdq	4	✔	50.0	52.6	105.2
cal 5 mdq	5	✔	100.0	102.4	102.4
cal 6 mdq	6	✔	250.0	247.6	99.0
cal 7 mdq	7	✔	500.0	490.0	98.0
cal 8 mdq	8	✔	1000.0	893.7	89.4

Compound Calibration Report

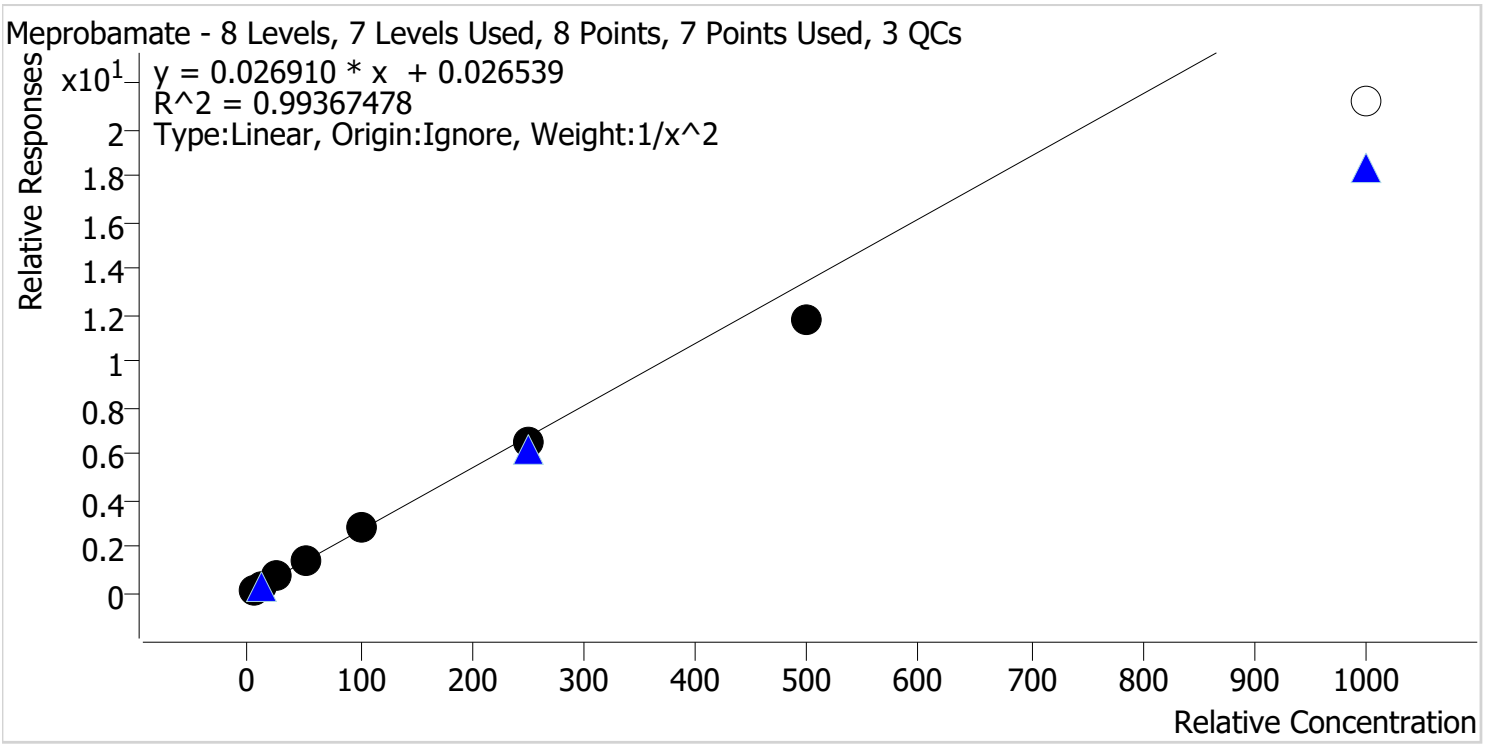
Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Lamotrigine
Internal Standard	Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	95.7
cal 2 mdq	2	✔	10.0	10.7	106.8
cal 3 mdq	3	✔	25.0	25.9	103.5
cal 4 mdq	4	✔	50.0	51.7	103.5
cal 5 mdq	5	✔	100.0	98.1	98.1
cal 6 mdq	6	✔	250.0	251.5	100.6
cal 7 mdq	7	✔	500.0	478.0	95.6
cal 8 mdq	8	✔	1000.0	962.8	96.3

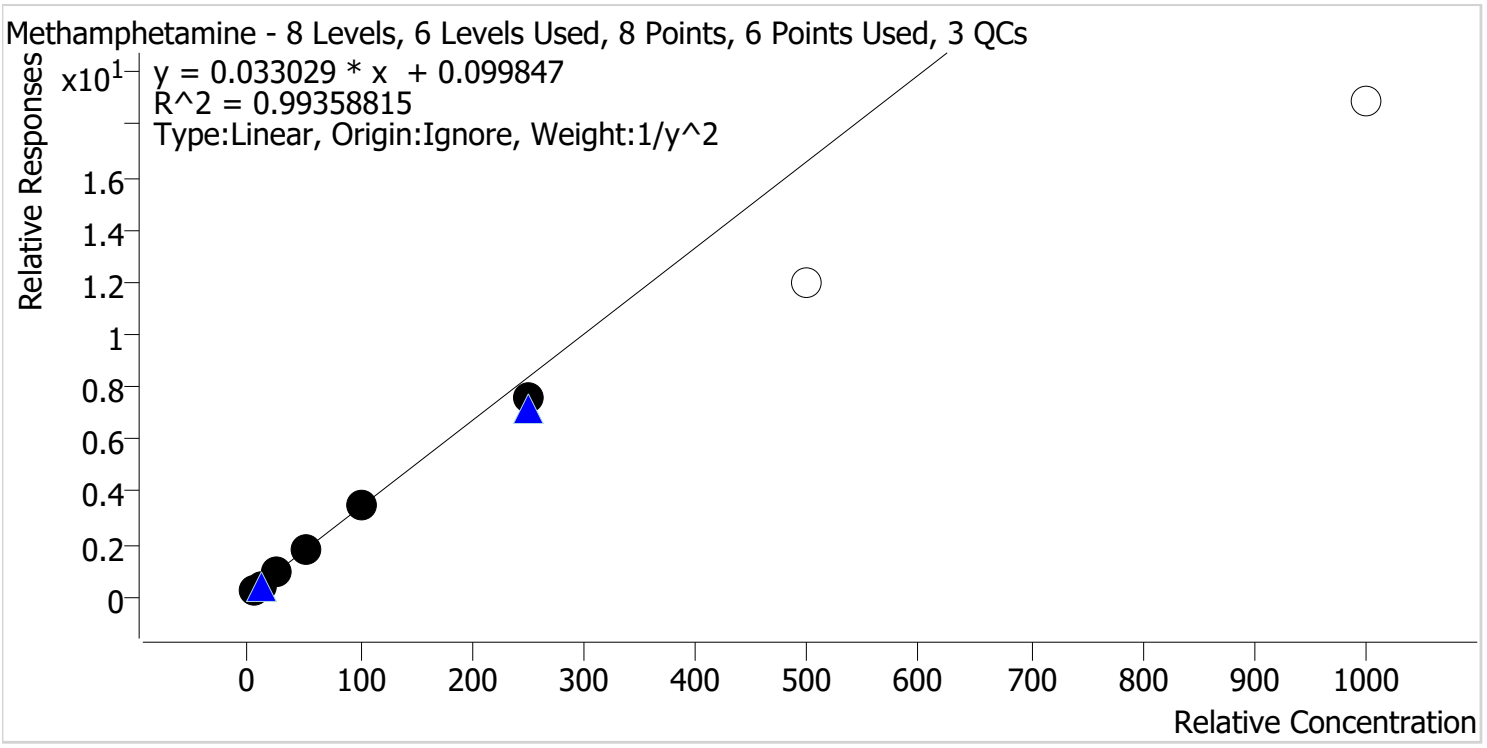
Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Meprobamate
Internal Standard	Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.6
cal 2 mdq	2	✔	10.0	10.4	103.5
cal 3 mdq	3	✔	25.0	26.2	104.8
cal 4 mdq	4	✔	50.0	53.3	106.6
cal 5 mdq	5	✔	100.0	103.7	103.7
cal 6 mdq	6	✔	250.0	243.4	97.4
cal 7 mdq	7	✔	500.0	436.6	87.3
cal 8 mdq	8	✗	1000.0	787.8	78.8

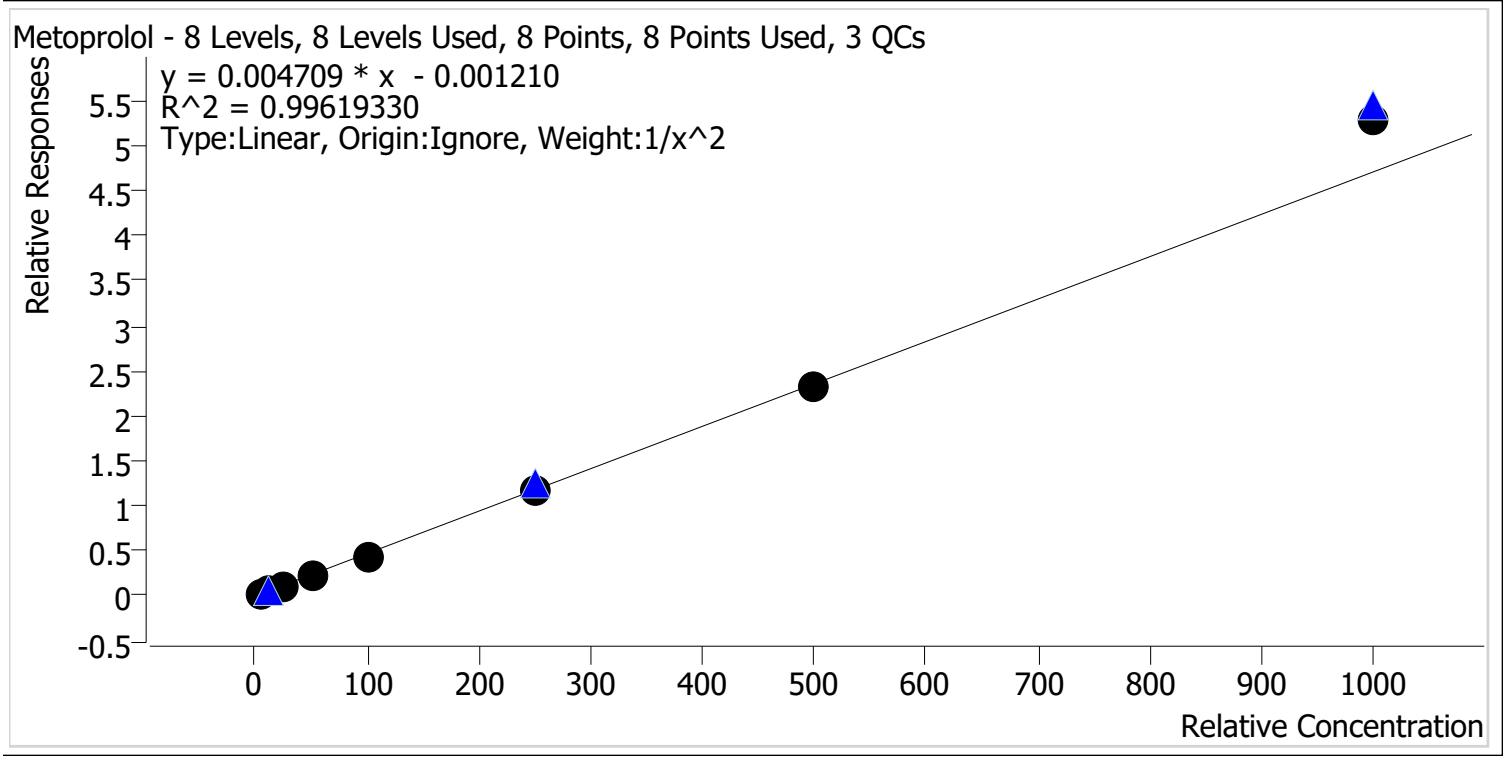
Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Methamphetamine
Internal Standard	Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	95.1
cal 2 mdq	2	✔	10.0	10.2	102.1
cal 3 mdq	3	✔	25.0	27.0	108.0
cal 4 mdq	4	✔	50.0	52.5	105.0
cal 5 mdq	5	✔	100.0	102.7	102.7
cal 6 mdq	6	✔	250.0	226.4	90.6
cal 7 mdq	7	✗	500.0	358.6	71.7
cal 8 mdq	8	✗	1000.0	568.8	56.9

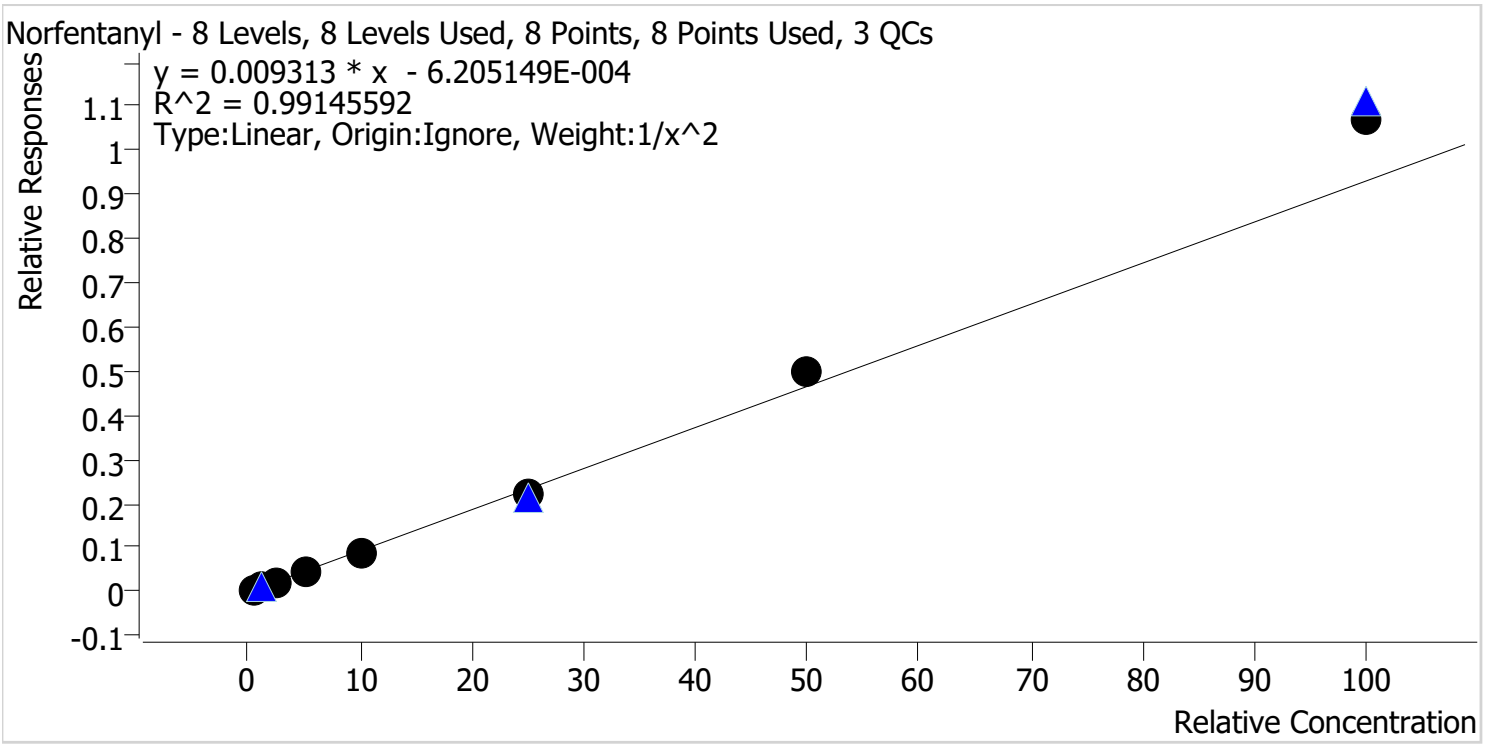
Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Metoprolol
Internal Standard	Citalopram-D6



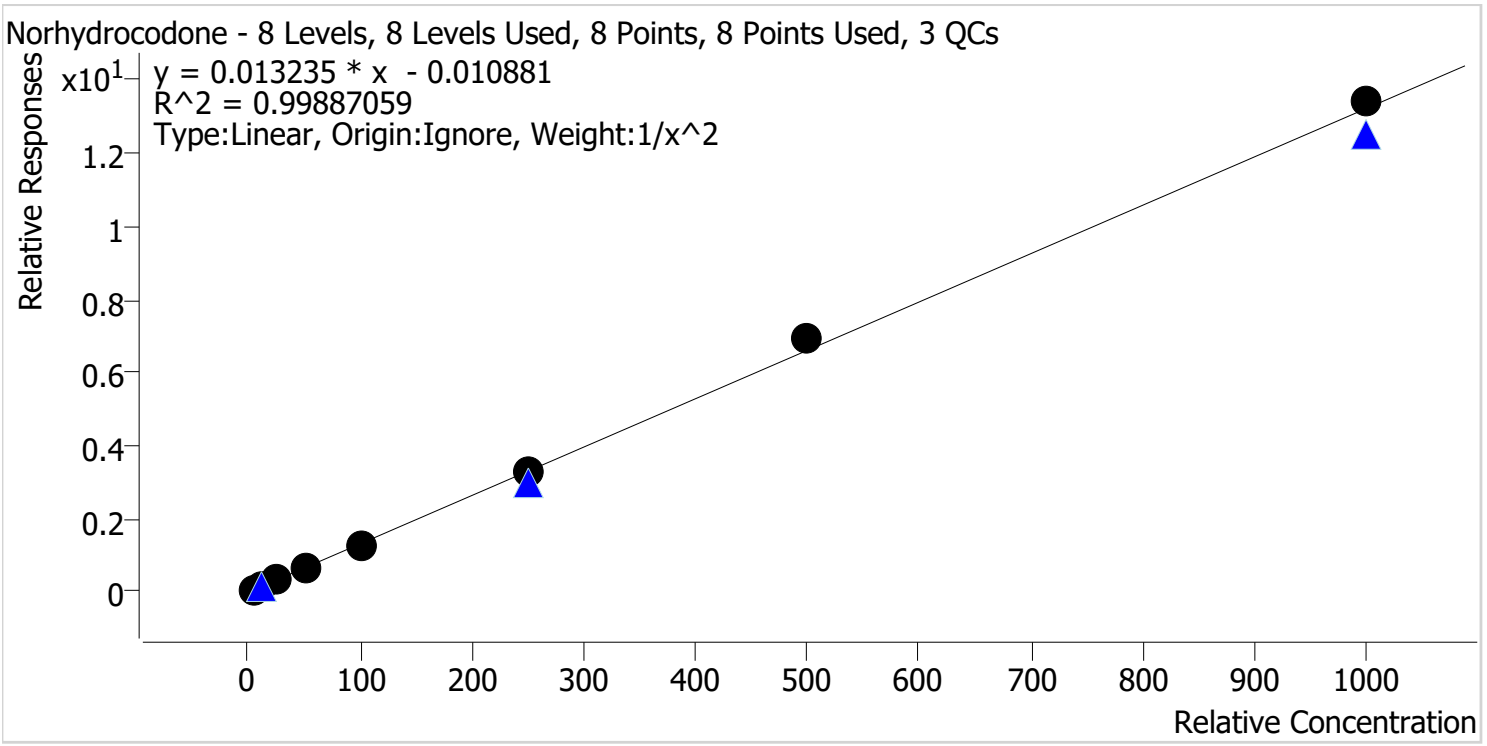
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	101.1
cal 2 mdq	2	✔	10.0	10.0	99.8
cal 3 mdq	3	✔	25.0	24.6	98.5
cal 4 mdq	4	✔	50.0	47.5	95.0
cal 5 mdq	5	✔	100.0	95.3	95.3
cal 6 mdq	6	✔	250.0	248.0	99.2
cal 7 mdq	7	✔	500.0	494.5	98.9
cal 8 mdq	8	✔	1000.0	1122.2	112.2

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Norfentanyl
Internal Standard	Norfentanyl-D5



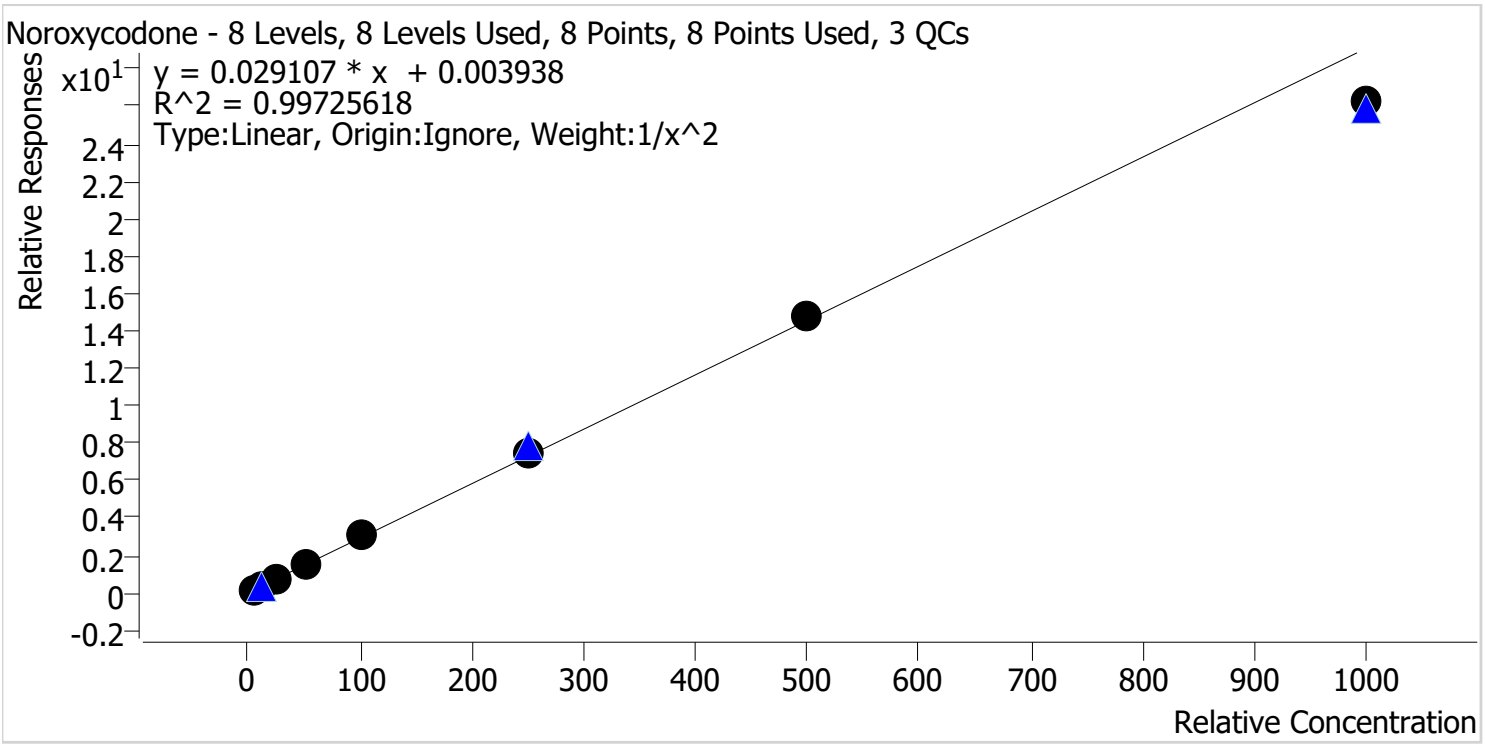
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	0.5	0.5	101.7
cal 2 mdq	2	✔	1.0	1.0	100.8
cal 3 mdq	3	✔	2.5	2.4	94.3
cal 4 mdq	4	✔	5.0	4.7	93.7
cal 5 mdq	5	✔	10.0	9.2	92.2
cal 6 mdq	6	✔	25.0	23.6	94.5
cal 7 mdq	7	✔	50.0	53.7	107.5
cal 8 mdq	8	✔	100.0	115.2	115.2

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Norhydrocodone
Internal Standard	Norhydrocodone-D3



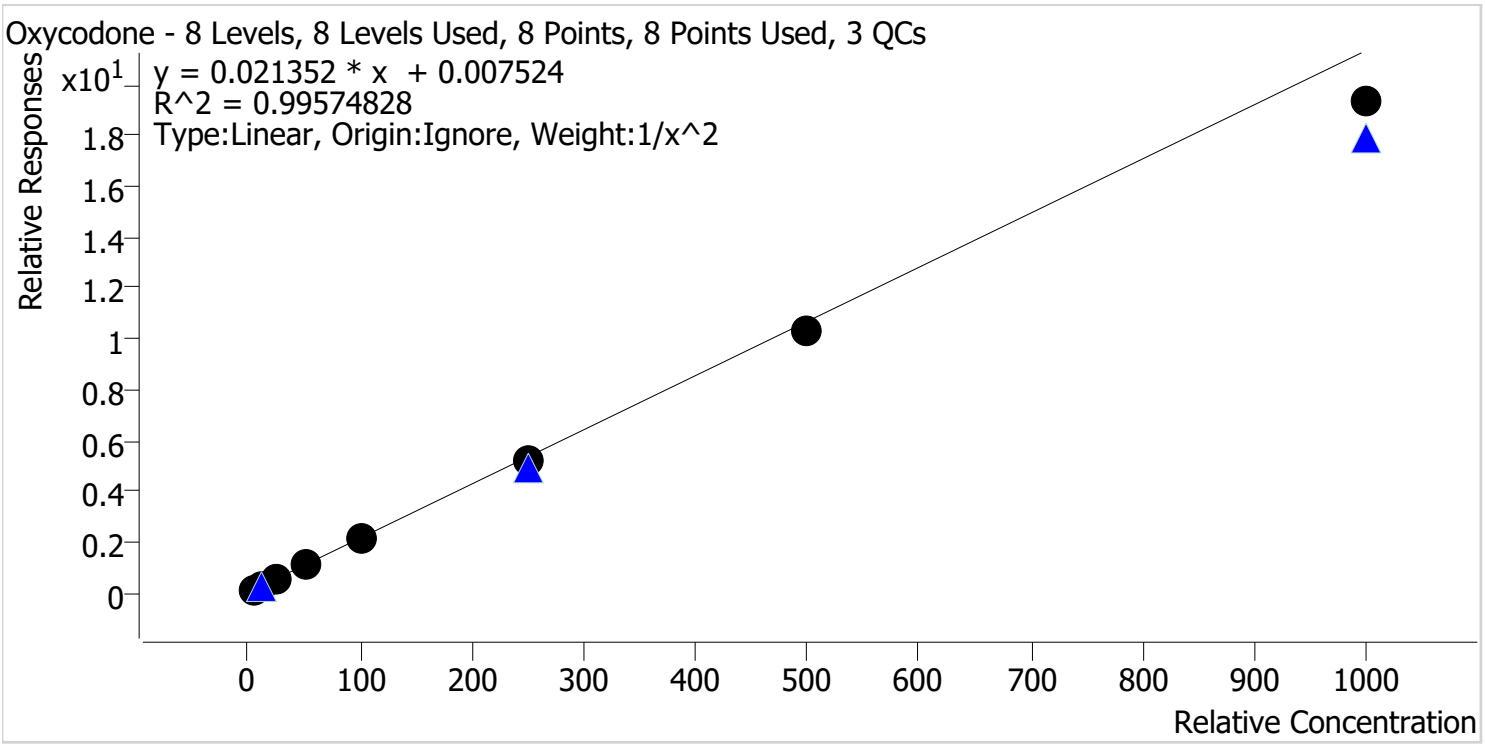
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	102.2
cal 2 mdq	2	✔	10.0	9.7	96.8
cal 3 mdq	3	✔	25.0	24.3	97.1
cal 4 mdq	4	✔	50.0	49.9	99.8
cal 5 mdq	5	✔	100.0	97.4	97.4
cal 6 mdq	6	✔	250.0	249.6	99.8
cal 7 mdq	7	✔	500.0	526.3	105.3
cal 8 mdq	8	✔	1000.0	1014.4	101.4

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Noroxycodone
Internal Standard	Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.8
cal 2 mdq	2	✔	10.0	10.0	100.4
cal 3 mdq	3	✔	25.0	24.3	97.3
cal 4 mdq	4	✔	50.0	51.4	102.9
cal 5 mdq	5	✔	100.0	104.5	104.5
cal 6 mdq	6	✔	250.0	258.2	103.3
cal 7 mdq	7	✔	500.0	508.2	101.6
cal 8 mdq	8	✔	1000.0	902.2	90.2

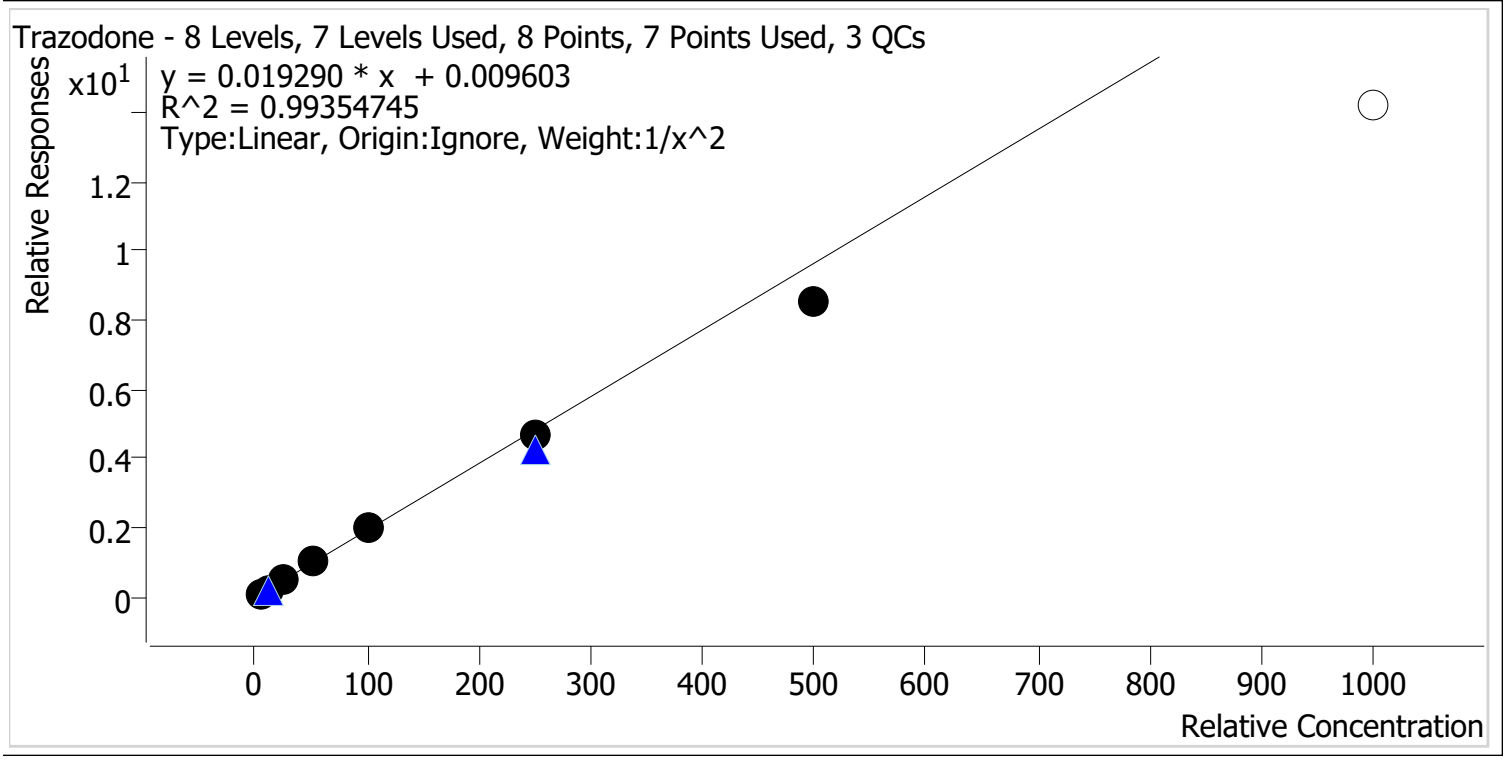
Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Oxycodone
Internal Standard	Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	95.4
cal 2 mdq	2	✔	10.0	10.6	105.8
cal 3 mdq	3	✔	25.0	26.5	106.0
cal 4 mdq	4	✔	50.0	52.6	105.2
cal 5 mdq	5	✔	100.0	102.2	102.2
cal 6 mdq	6	✔	250.0	244.6	97.8
cal 7 mdq	7	✔	500.0	485.1	97.0
cal 8 mdq	8	✔	1000.0	905.8	90.6

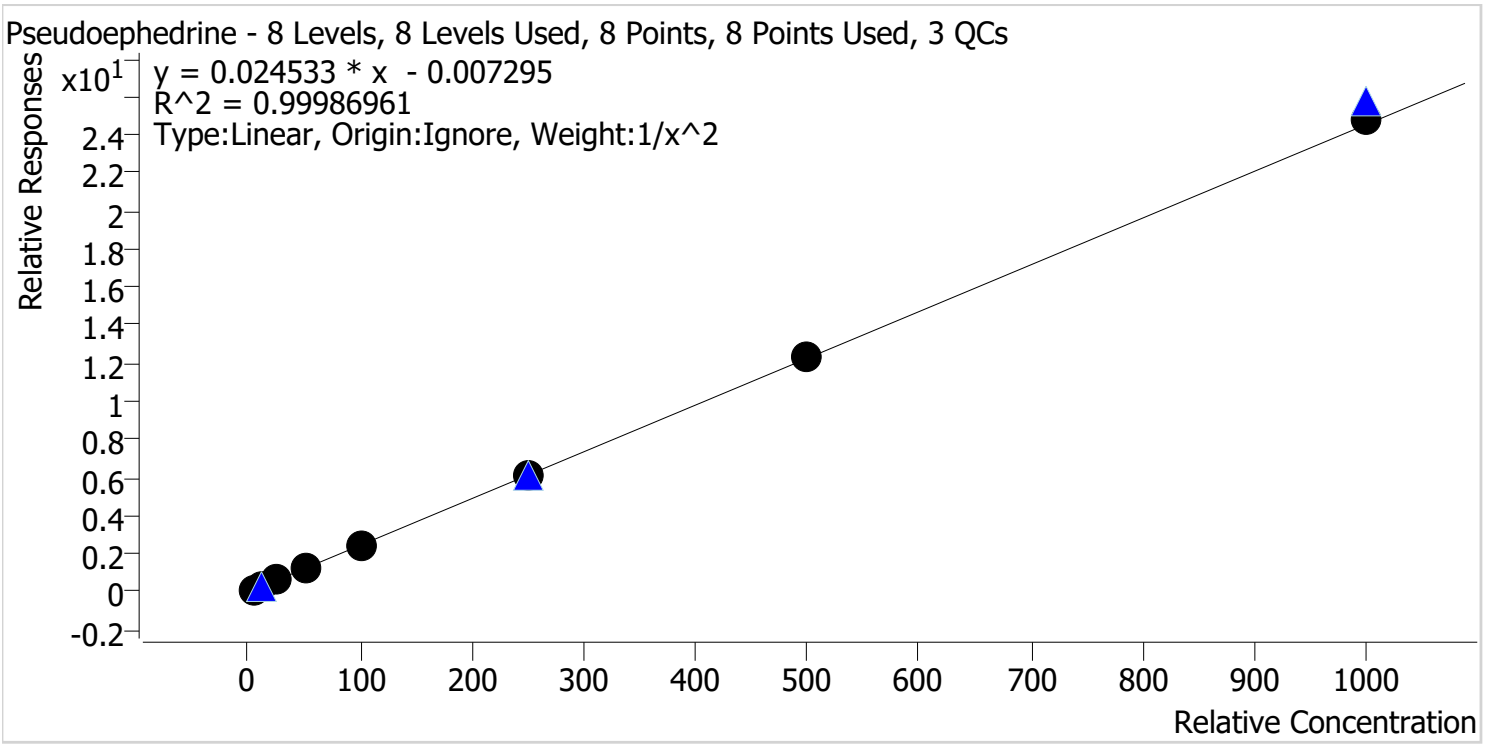
Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Trazodone
Internal Standard	Trazodone-D6



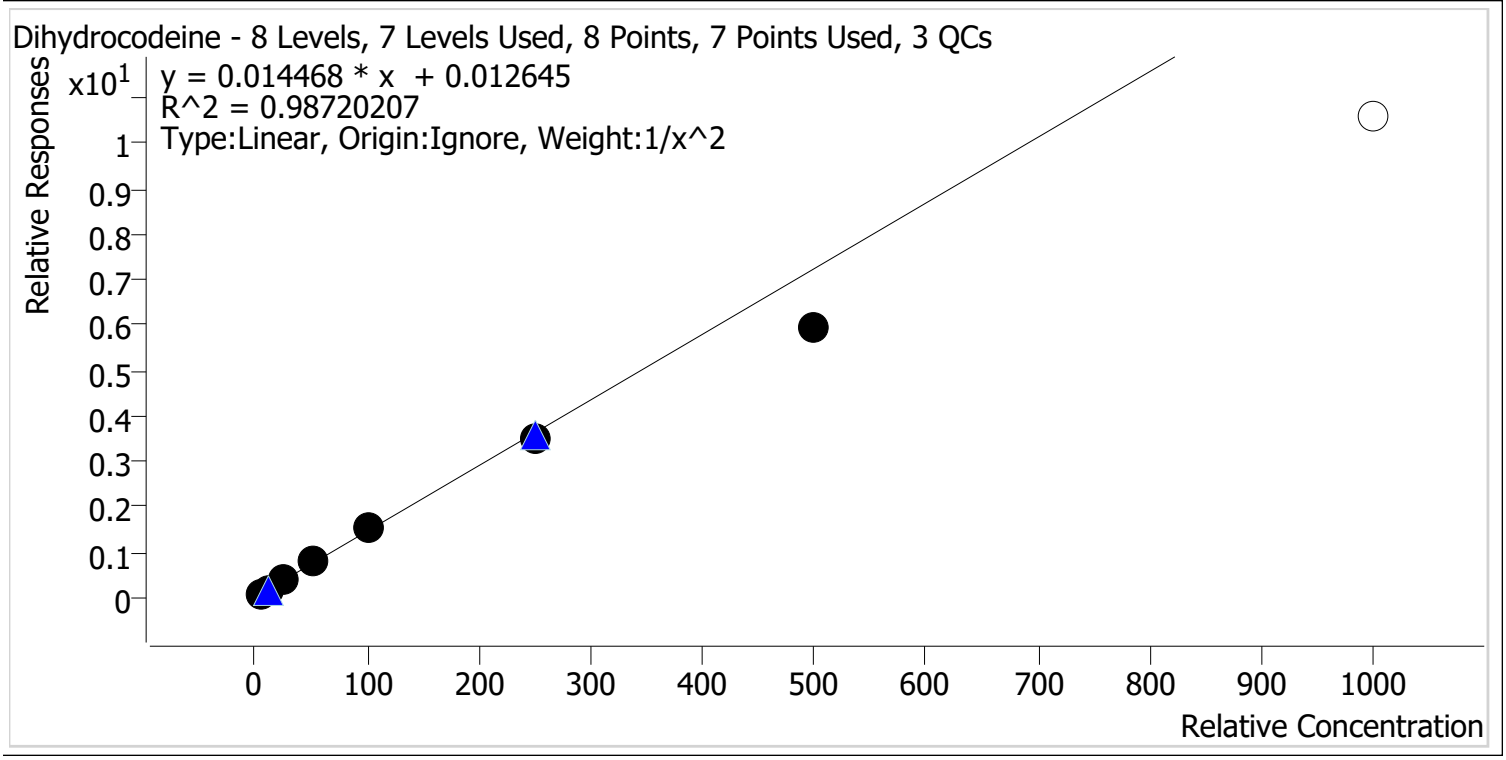
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.9
cal 2 mdq	2	✔	10.0	9.8	98.3
cal 3 mdq	3	✔	25.0	26.4	105.5
cal 4 mdq	4	✔	50.0	54.0	108.0
cal 5 mdq	5	✔	100.0	104.9	104.9
cal 6 mdq	6	✔	250.0	240.9	96.4
cal 7 mdq	7	✔	500.0	440.3	88.1
cal 8 mdq	8	✗	1000.0	735.8	73.6

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Pseudoephedrine
Internal Standard	Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	100.5
cal 2 mdq	2	✔	10.0	9.9	99.4
cal 3 mdq	3	✔	25.0	25.0	100.1
cal 4 mdq	4	✔	50.0	49.1	98.1
cal 5 mdq	5	✔	100.0	99.5	99.5
cal 6 mdq	6	✔	250.0	250.6	100.2
cal 7 mdq	7	✔	500.0	505.4	101.1
cal 8 mdq	8	✔	1000.0	1011.1	101.1

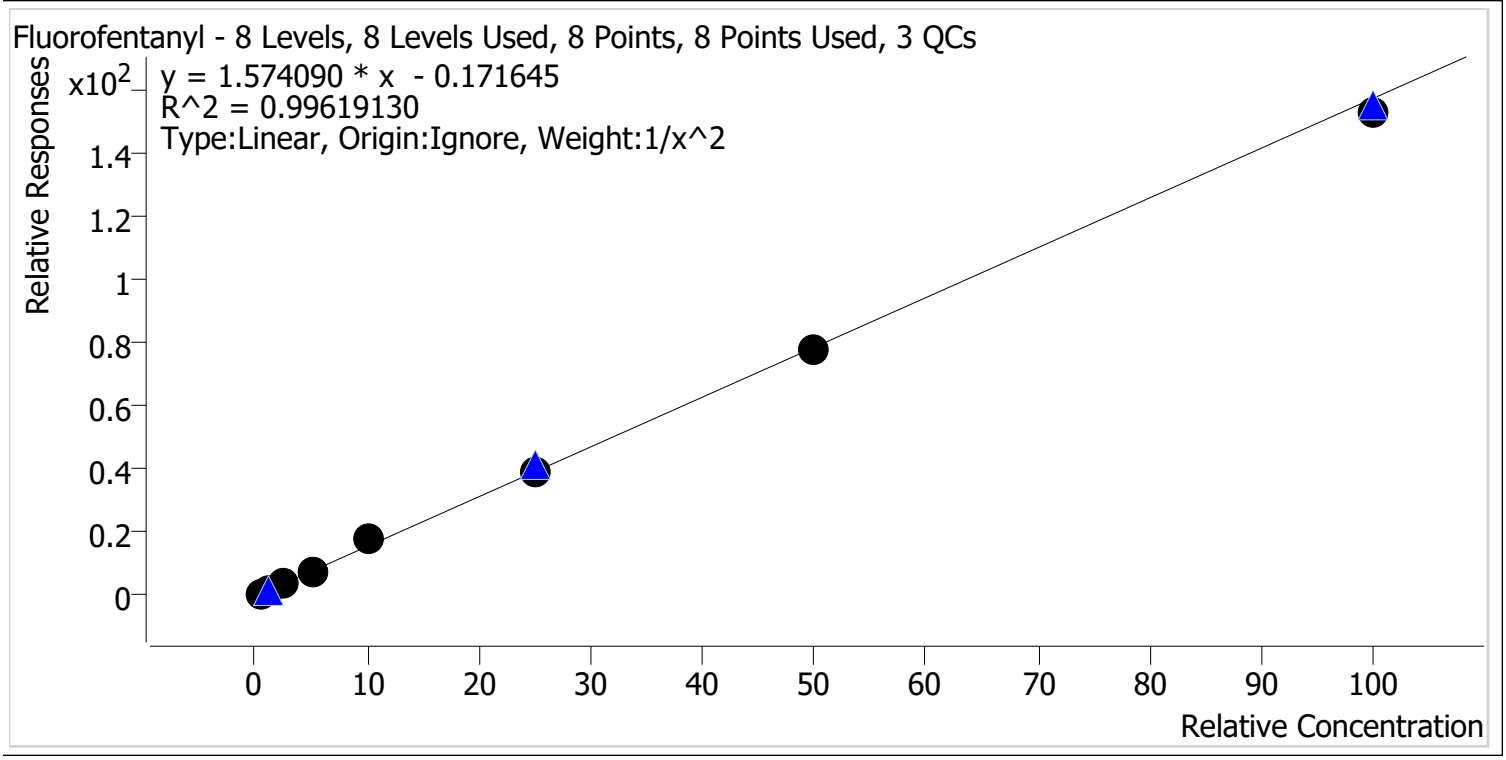
Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Dihydrocodeine
Internal Standard	Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.1
cal 2 mdq	2	✔	10.0	10.2	101.7
cal 3 mdq	3	✔	25.0	27.8	111.2
cal 4 mdq	4	✔	50.0	54.3	108.6
cal 5 mdq	5	✔	100.0	103.1	103.1
cal 6 mdq	6	✔	250.0	243.0	97.2
cal 7 mdq	7	✔	500.0	410.3	82.1
cal 8 mdq	8	✗	1000.0	732.9	73.3

Compound Calibration Report

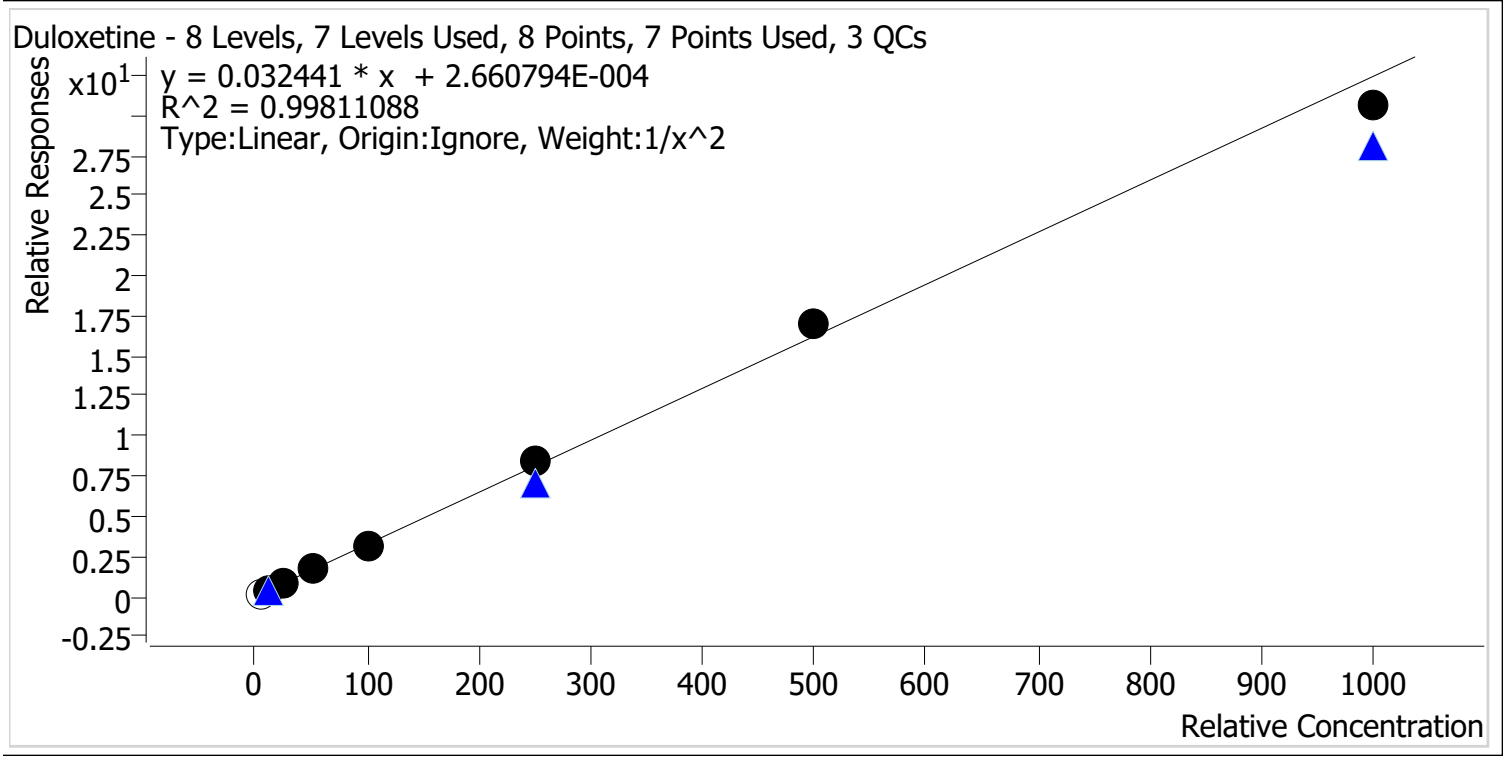
Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Fluorofentanyl
Internal Standard	Fluorofentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	0.5	0.5	102.6
cal 2 mdq	2	✔	1.0	1.0	95.4
cal 3 mdq	3	✔	2.5	2.4	97.0
cal 4 mdq	4	✔	5.0	4.8	96.6
cal 5 mdq	5	✔	10.0	11.2	112.0
cal 6 mdq	6	✔	25.0	25.1	100.3
cal 7 mdq	7	✔	50.0	49.5	99.0
cal 8 mdq	8	✔	100.0	97.0	97.0

Compound Calibration Report

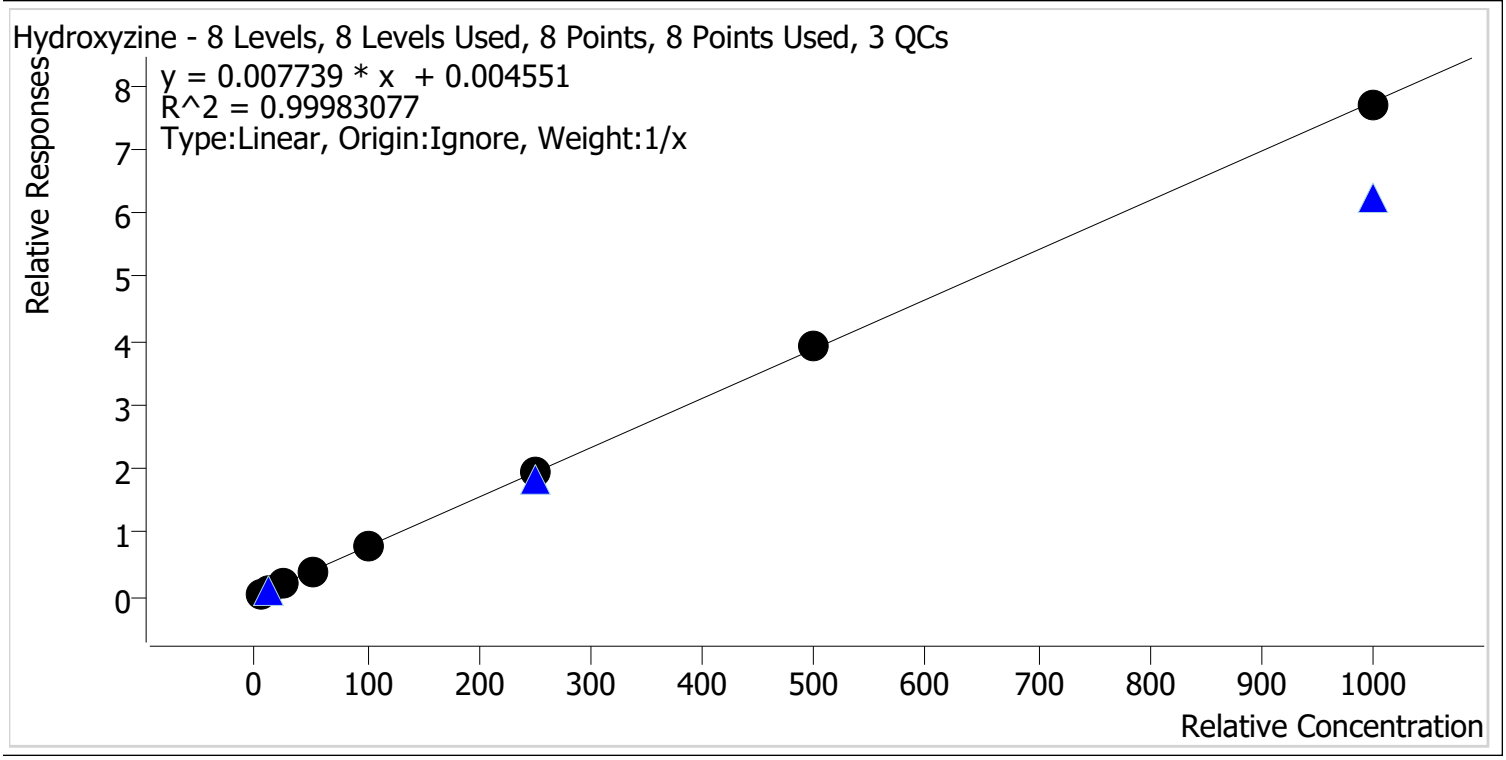
Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Duloxetine
Internal Standard	Duloxetine-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✗	5.0	4.9	98.1
cal 2 mdq	2	✔	10.0	10.1	100.8
cal 3 mdq	3	✔	25.0	24.5	97.8
cal 4 mdq	4	✔	50.0	50.3	100.7
cal 5 mdq	5	✔	100.0	97.5	97.5
cal 6 mdq	6	✔	250.0	261.3	104.5
cal 7 mdq	7	✔	500.0	522.0	104.4
cal 8 mdq	8	✔	1000.0	943.8	94.4

Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Last Cal. Update	3/21/2024 9:57 AM
Analyst Name	ISP\datastor
Analyte	Hydroxyzine
Internal Standard	Diphenhydramine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.6	91.8
cal 2 mdq	2	✔	10.0	9.8	97.8
cal 3 mdq	3	✔	25.0	26.5	106.2
cal 4 mdq	4	✔	50.0	51.8	103.6
cal 5 mdq	5	✔	100.0	100.2	100.2
cal 6 mdq	6	✔	250.0	250.6	100.2
cal 7 mdq	7	✔	500.0	504.3	100.9
cal 8 mdq	8	✔	1000.0	992.2	99.2

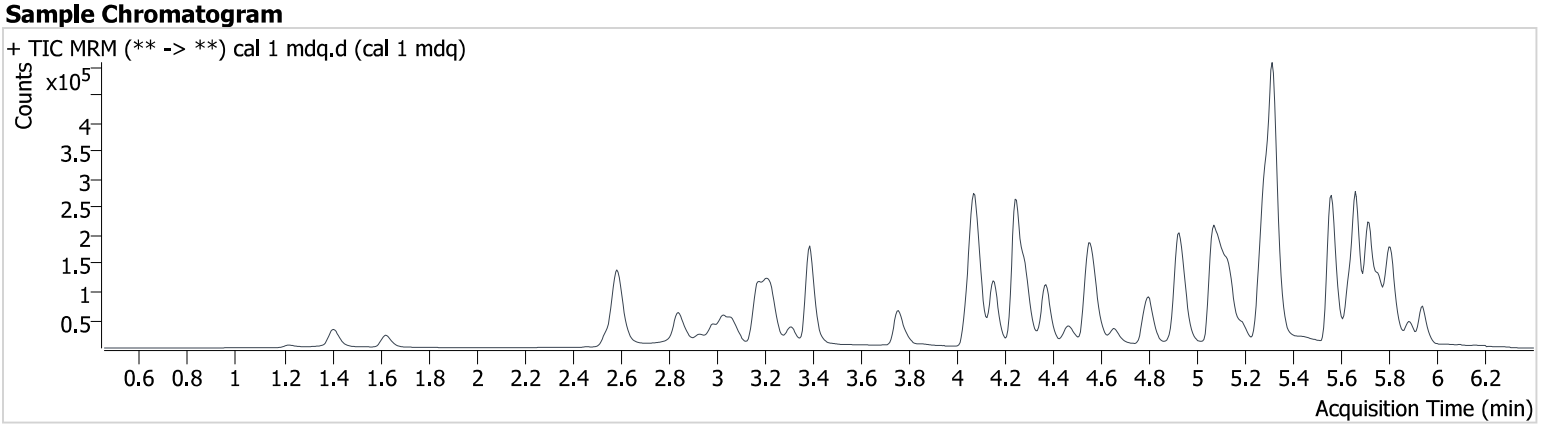
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-A1
Injection Volume 2
Acq. Date-Time 3/20/2024 10:43:52 AM
Sample Info.

Data File cal 1 mdq.d
Sample cal 1 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.268	1796	305.8	133.78	415.0	44707	4.635	ng/ml
Amphetamine	3.069	20086	1346.3	275.85	1656.5	103072	4.831	ng/ml
Bupropion	4.809	35585	6864.7	76.58	1582.8	202043	4.973	ng/ml
Carisoprodol	5.714	13956	33264.9	65.36	1492179169863.1	97355	4.820	ng/ml
Clonazepam	5.607	3694	813.7	38.14	702.5	15038	4.943	ng/ml
Dextromethorphan	5.300	18520	17162.2	78.65	153681.7	206934	5.147	ng/ml
Dihydrocodeine	2.575	5610	363.3	65.97	343.3	68244	4.807	ng/ml
Duloxetine	5.660	6031	1093.7	5.46 **Low**	21.8	37840	4.905	ng/ml
Fentanyl	5.116	3269	700.5	152.98	879.5	280272	0.514	ng/ml
Fluorofentanyl	5.178	3017	1764.1	125.66	208.4	4743	0.513	ng/ml
Fluoxetine	5.722	39089	399355.3	6.49	7250.8	258174	4.932	ng/ml
Hydrocodone	3.055	11637	1465.1	39.04	617.9	128093	4.756	ng/ml
Hydroxyzine	5.720	35982	∞	103.71	1532.6	897905	4.590	ng/ml
Lamotrigine	4.331	1719	269.7	113.79	3445.4	97355	4.785	ng/ml
Meprobamate	4.913	3421	1243.9	58.67	528.4	21858	4.830	ng/ml
Methamphetamine	3.237	70983	3804.8	35.10	1586.1	276279	4.756	ng/ml
Metoprolol	4.340	6195	39877.8	98.91	1065.2	274162	5.056	ng/ml
Norfentanyl	4.098	1877	182.8	32.39	3387.2	455960	0.509	ng/ml
Norhydrocodone	3.102	1550	189.6	17.92 **Low**	44.8	27298	5.112	ng/ml
Noroxycodone	2.952	7795	∞	54.49	∞	52253	4.990	ng/ml
Oxycodone	2.870	20044	1078.9	30.87	578.3	183304	4.769	ng/ml
Pseudoephedrine	2.598	42684	10681.7	17.33	5864.4	368036	5.025	ng/ml
Trazodone	5.187	32583	8428.0	124.72	20333.4	310357	4.945	ng/ml

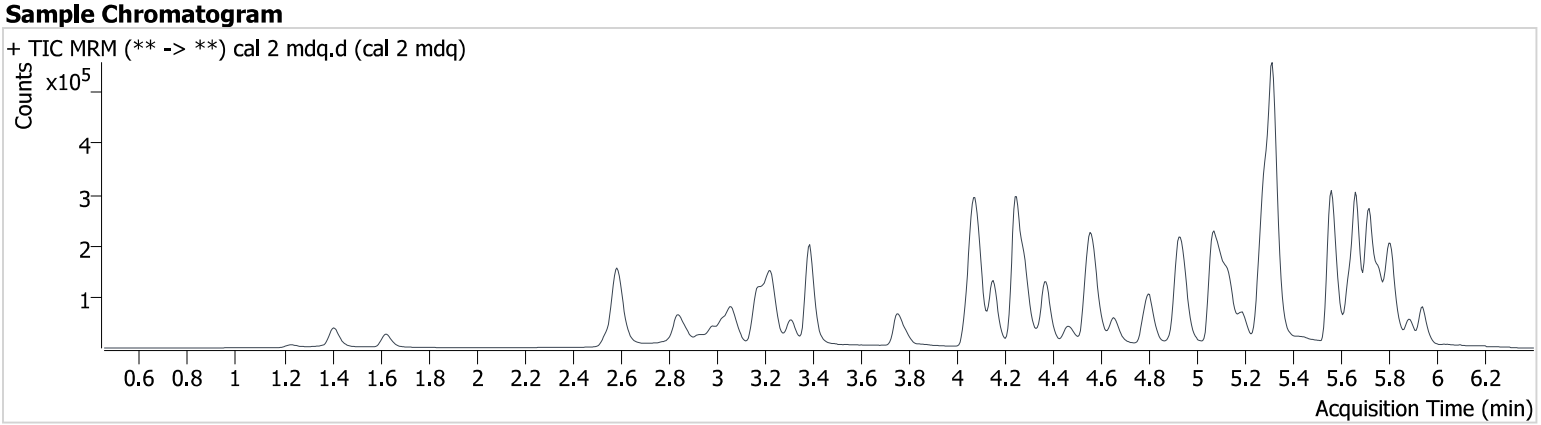
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-B1
Injection Volume 2
Acq. Date-Time 3/20/2024 10:52:44 AM
Sample Info.

Data File cal 2 mdq.d
Sample cal 2 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.263	4774	634.0	123.57	1131.1	54290	10.972	ng/ml
Amphetamine	3.064	38176	3081.9	284.22	1714.6	101180	10.514	ng/ml
Bupropion	4.809	68886	3828.6	75.22	1352.0	196824	9.899	ng/ml
Carisoprodol	5.714	25952	37143.0	70.38	1269.3	94337	10.131	ng/ml
Clonazepam	5.607	9384	1065.4	32.52	1064.8	17642	10.371	ng/ml
Dextromethorphan	5.295	36508	12497.9	75.09	98804.8	207830	9.547	ng/ml
Dihydrocodeine	2.580	11178	85.3	71.87	1142.5	69974	10.167	ng/ml
Duloxetine	5.660	11872	418.3	9.57	6.5 Low	36282	10.078	ng/ml
Fentanyl	5.116	6268	1990.5	136.41	574.7	269608	0.969	ng/ml
Fluorofentanyl	5.172	5985	7320.6	126.90	344.8	4498	0.954	ng/ml
Fluoxetine	5.722	75731	15154.9	5.96	17637.0	249205	10.028	ng/ml
Hydrocodone	3.055	22866	1665.6	38.23	559.0	120485	10.719	ng/ml
Hydroxyzine	5.720	71574	4033.7	100.29	4541.8	891700	9.783	ng/ml
Lamotrigine	4.326	3575	∞	101.02	34727.9	94337	10.680	ng/ml
Meprobamate	4.913	6695	1170.0	60.97	414.4	21939	10.354	ng/ml
Methamphetamine	3.237	119872	1603.4	34.23	1573.6	274197	10.213	ng/ml
Metoprolol	4.340	12052	4222.3	103.13	∞	263337	9.976	ng/ml
Norfentanyl	4.098	3975	685.7	30.88	∞	453486	1.008	ng/ml
Norhydrocodone	3.102	3161	387.9	22.34	165.7	26959	9.683	ng/ml
Noroxycodone	2.952	14599	∞	52.67	1331273968 1377.5	49295	10.039	ng/ml
Oxycodone	2.870	42163	2231.0	28.75	1014.9	180567	10.584	ng/ml
Pseudoephedrine	2.598	85989	∞	18.57	5896.9	363622	9.937	ng/ml
Trazodone	5.187	61464	1931.4	128.56	7441.3	308517	9.830	ng/ml

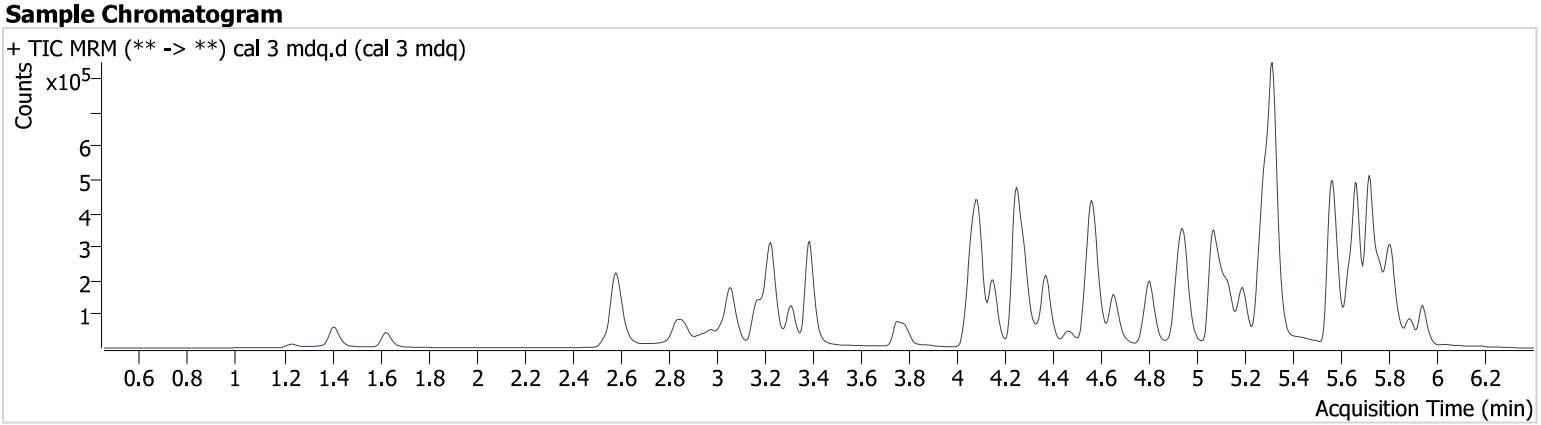
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-C1
Injection Volume 2
Acq. Date-Time 3/20/2024 11:01:25 AM
Sample Info.

Data File cal 3 mdq.d
Sample cal 3 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.263	14105	385.9	128.21	2639.7	65382	27.924	ng/ml
Amphetamine	3.064	101899	7634.3	280.80	9706.8	115224	26.310	ng/ml
Bupropion	4.809	208570	47621.4	77.18	37029.1	228774	25.813	ng/ml
Carisoprodol	5.714	72632	1130529.5	68.68	1832.9	104460	27.071	ng/ml
Clonazepam	5.607	25314	106320.6	33.54	1629.6	19686	24.665	ng/ml
Dextromethorphan	5.295	106766	∞	77.87	∞	227224	24.570	ng/ml
Dihydrocodeine	2.570	32314	526.4	66.15	124.6	77916	27.791	ng/ml
Duloxetine	5.660	35020	377.2	8.82	816.7	44126	24.456	ng/ml
Fentanyl	5.116	19208	725.4	139.29	1673.2	323704	2.386	ng/ml
Fluorofentanyl	5.172	19829	19069.9	115.01	1139.4	5438	2.425	ng/ml
Fluoxetine	5.722	227703	∞	6.24	17243.7	290849	26.034	ng/ml
Hydrocodone	3.050	60852	∞	41.36	3534.6	137626	25.930	ng/ml
Hydroxyzine	5.720	209634	11930.4	101.27	17795.0	998375	26.543	ng/ml
Lamotrigine	4.326	9407	5447.5	105.44	21933.7	104460	25.870	ng/ml
Meprobamate	4.913	19199	2885.8	56.50	758.7	26235	26.209	ng/ml
Methamphetamine	3.232	302626	71435.2	37.01	10801.0	305163	27.002	ng/ml
Metoprolol	4.340	34988	88218.4	100.65	∞	305042	24.617	ng/ml
Norfentanyl	4.098	10507	∞	32.08	29089.0	492217	2.359	ng/ml
Norhydrocodone	3.096	9583	737.0	21.53	302.5	30861	24.286	ng/ml
Noroxycodone	2.947	41129	∞	49.26	1225.3	57766	24.325	ng/ml
Oxycodone	2.865	118085	10646.8	31.08	10190.5	206021	26.492	ng/ml
Pseudoephedrine	2.593	239330	19610.1	17.65	485353.8	394649	25.017	ng/ml
Trazodone	5.187	188130	139173.9	127.51	3550.7	362889	26.378	ng/ml

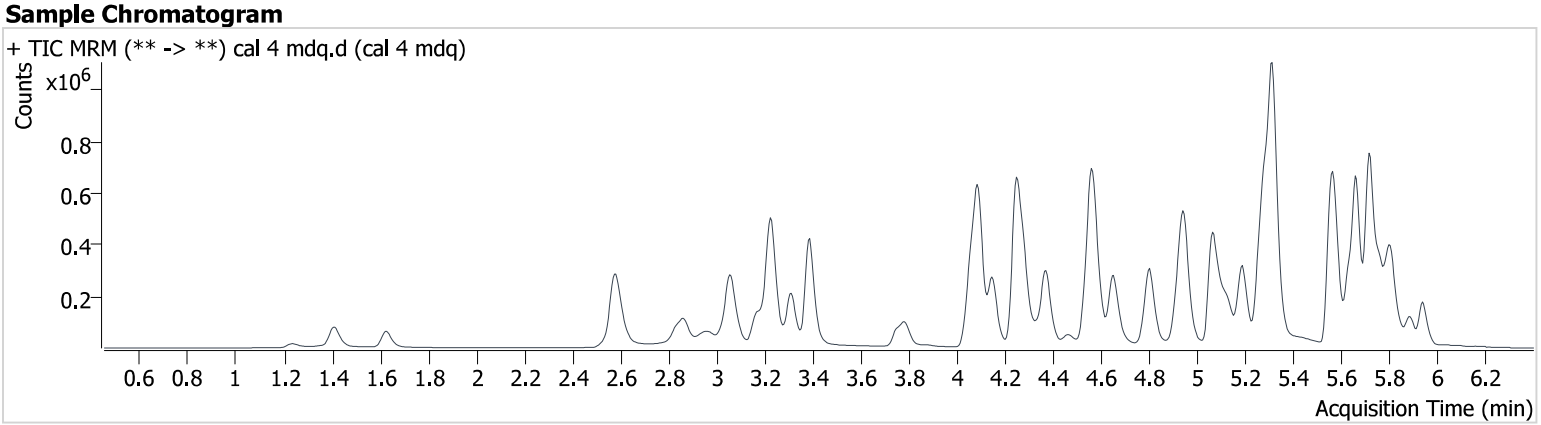
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-D1
Injection Volume 2
Acq. Date-Time 3/20/2024 11:10:07 AM
Sample Info.

Data File cal 4 mdq.d
Sample cal 4 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.263	24742	2017.2	126.41	6705.3	61318	52.832	ng/ml
Amphetamine	3.064	179746	11409.5	270.15	7175.7	106917	51.133	ng/ml
Bupropion	4.804	386990	76704.4	76.24	12108.8	213572	51.321	ng/ml
Carisoprodol	5.714	128610	∞	67.97	2738.4	92297	55.214	ng/ml
Clonazepam	5.607	47826	14848.5	34.06	6472.0	18855	48.374	ng/ml
Dextromethorphan	5.295	200884	∞	75.39	373138.1	213131	48.707	ng/ml
Dihydrocodeine	2.570	56451	1619.5	67.93	1221.3	70689	54.322	ng/ml
Duloxetine	5.660	62583	2956.0	8.06	1567.2	38327	50.325	ng/ml
Fentanyl	5.116	36144	3367.7	137.93	4365.6	295545	4.858	ng/ml
Fluorofentanyl	5.172	35511	37316.2	120.24	142.8	4779	4.829	ng/ml
Fluoxetine	5.717	404599	112533.6	6.45	126478.0	258680	52.138	ng/ml
Hydrocodone	3.050	112840	12436.4	40.19	10529.1	127576	52.591	ng/ml
Hydroxyzine	5.720	372705	26743.3	104.41	7684.9	918847	51.823	ng/ml
Lamotrigine	4.326	16507	13576.1	105.26	21351.7	92297	51.732	ng/ml
Meprobamate	4.908	35633	3555.0	53.72	1398.4	24391	53.304	ng/ml
Methamphetamine	3.232	547528	480317.9	38.04	26245.7	298696	52.475	ng/ml
Metoprolol	4.335	62911	535785.5	102.47	2628.9	282697	47.520	ng/ml
Norfentanyl	4.098	18947	2589.8	28.83	32157.3	440351	4.687	ng/ml
Norhydrocodone	3.096	18531	7597.9	23.32	1198.4	28523	49.912	ng/ml
Noroxycodone	2.947	74313	9019.7	52.63	∞	49497	51.445	ng/ml
Oxycodone	2.865	212946	5836.6	29.87	∞	188386	52.588	ng/ml
Pseudoephedrine	2.588	431664	∞	18.06	∞	360832	49.060	ng/ml
Trazodone	5.187	352632	42289.1	125.77	9870.0	335377	54.011	ng/ml

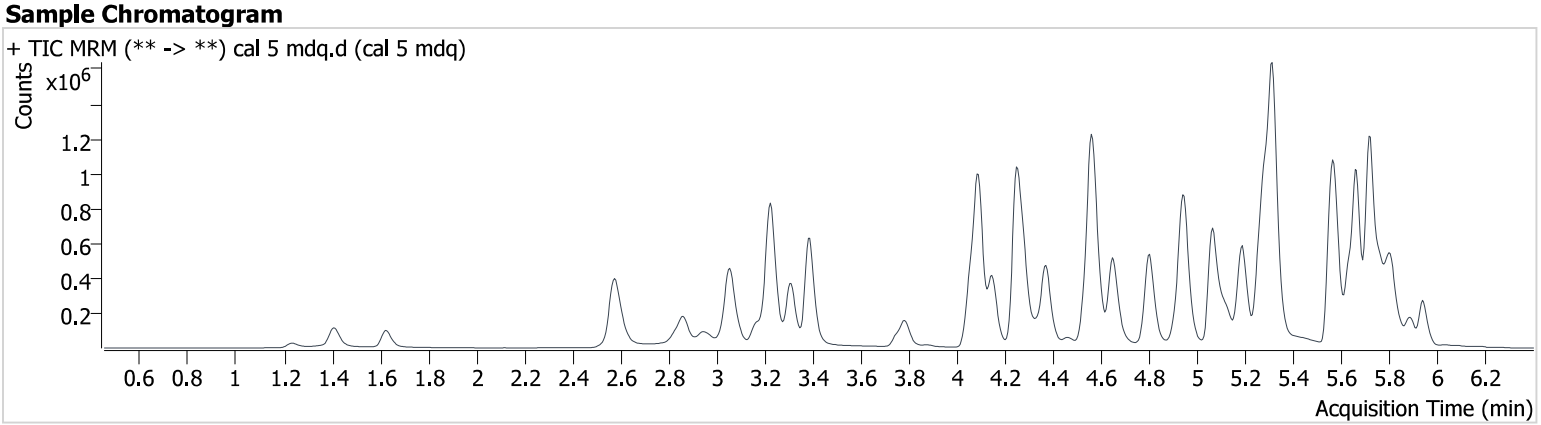
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-E1
Injection Volume 2
Acq. Date-Time 3/20/2024 11:18:47 AM
Sample Info.

Data File cal 5 mdq.d
Sample cal 5 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.258	42200	4809.2	119.62	7631.2	56962	97.583	ng/ml
Amphetamine	3.058	302831	23983.5	266.37	262659.9	102574	90.733	ng/ml
Bupropion	4.804	770191	87483.0	74.20	22242.6	212449	102.697	ng/ml
Carisoprodol	5.714	219115	6074984.5	66.67	4593.2	81409	107.545	ng/ml
Clonazepam	5.607	84393	∞	36.29	3108.9	16341	98.193	ng/ml
Dextromethorphan	5.295	367726	2909155.1	77.25	2010230.0	195431	96.660	ng/ml
Dihydrocodeine	2.565	98633	302.3	68.52	2244.7	65573	103.091	ng/ml
Duloxetine	5.660	109904	1033.9	8.66	83.1	34761	97.452	ng/ml
Fentanyl	5.111	71032	15332.6	141.70	5236.7	284755	9.850	ng/ml
Fluorofentanyl	5.172	72453	17172.3	116.39	328.5	4151	11.196	ng/ml
Fluoxetine	5.717	728281	∞	6.35	65283.5	242038	100.418	ng/ml
Hydrocodone	3.050	201611	5244.2	41.66	2541.5	117840	102.400	ng/ml
Hydroxyzine	5.720	682351	∞	106.04	116818.1	874405	100.244	ng/ml
Lamotrigine	4.326	27512	∞	100.19	68424.3	81409	98.070	ng/ml
Meprobamate	4.908	66289	7407.4	52.08	4952.5	23525	103.726	ng/ml
Methamphetamine	3.232	1022940	131923.7	37.08	28970.3	292866	102.728	ng/ml
Metoprolol	4.335	114598	208376.3	100.74	∞	256082	95.298	ng/ml
Norfentanyl	4.098	32319	3784.4	30.29	∞	379188	9.219	ng/ml
Norhydrocodone	3.096	37161	3204.5	25.36	2021.3	29064	97.432	ng/ml
Noroxycodone	2.942	136445	∞	52.78	∞	44812	104.472	ng/ml
Oxycodone	2.860	387235	∞	29.92	∞	176809	102.221	ng/ml
Pseudoephedrine	2.583	773638	52140.1	17.71	∞	317816	99.520	ng/ml
Trazodone	5.187	662305	108553.5	128.19	72277.2	325874	104.864	ng/ml

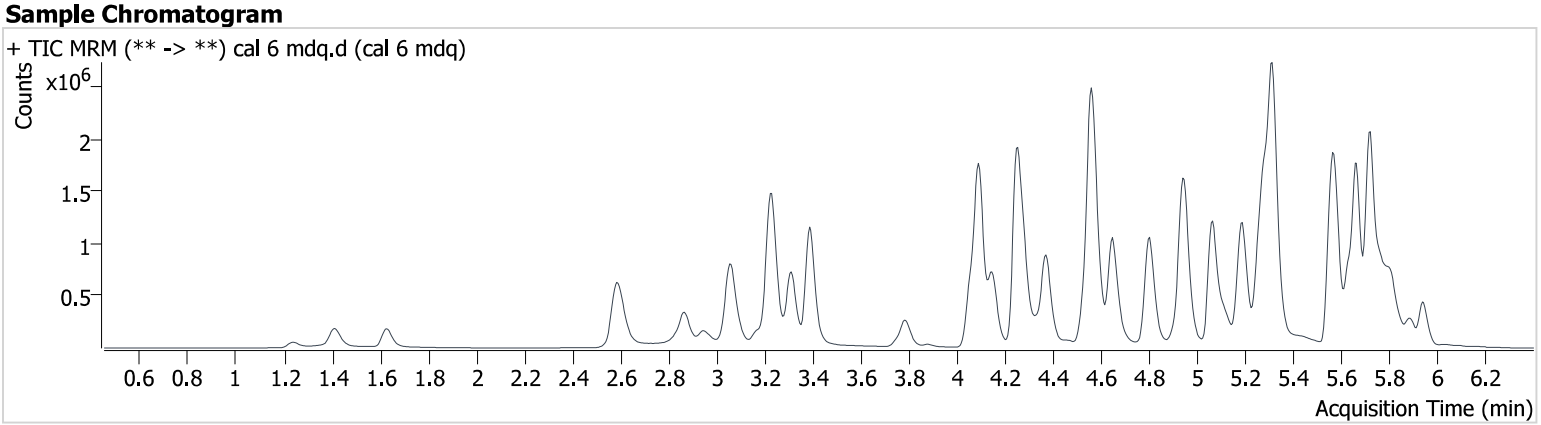
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-F1
Injection Volume 2
Acq. Date-Time 3/20/2024 11:27:27 AM
Sample Info.

Data File cal 6 mdq.d
Sample cal 6 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.253	65243	3360.7	122.24	9199.9	41752	206.594	ng/ml
Amphetamine	3.064	550651	104471.2	259.52	33618.1	92241	184.733	ng/ml
Bupropion	4.804	1660560	640404.8	71.88	113591.6	183488	256.392	ng/ml
Carisoprodol	5.709	351378	3252328.1	66.13	27364.2	55442	254.533	ng/ml
Clonazepam	5.607	154888	23695.9	36.52	36034.6	12345	238.145	ng/ml
Dextromethorphan	5.295	728310	161039.6	75.25	6209890.6	149141	249.939	ng/ml
Dihydrocodeine	2.570	197880	19939.3	68.97	12383.4	56074	243.036	ng/ml
Duloxetine	5.660	194848	2419.8	8.76	1345.0	22987	261.284	ng/ml
Fentanyl	5.111	160916	9828.7	139.90	50573.4	251211	25.207	ng/ml
Fluorofentanyl	5.167	154778	125062.4	114.18	16644.1	3937	25.083	ng/ml
Fluoxetine	5.717	1290335	925974.1	6.32	163840.7	172366	250.021	ng/ml
Hydrocodone	3.050	429666	∞	41.45	∞	104310	247.553	ng/ml
Hydroxyzine	5.720	1359191	37526.1	104.27	105826.1	699188	250.594	ng/ml
Lamotrigine	4.326	47940	1854.1	96.65	13177.0	55442	251.483	ng/ml
Meprobamate	4.908	132363	3573.5	50.63	7977.8	20123	243.448	ng/ml
Methamphetamine	3.232	2049616	87735.6	36.00	196612.6	270478	226.404	ng/ml
Metoprolol	4.335	223360	324938.7	99.79	∞	191477	247.999	ng/ml
Norfentanyl	4.098	59332	∞	30.08	28172.0	270419	23.626	ng/ml
Norhydrocodone	3.102	84368	19022.7	25.72	2028.3	25627	249.579	ng/ml
Noroxycodone	2.947	284818	∞	50.75	∞	37873	258.231	ng/ml
Oxycodone	2.865	818621	∞	29.50	∞	156551	244.550	ng/ml
Pseudoephedrine	2.593	1521323	∞	17.70	∞	247738	250.607	ng/ml
Trazodone	5.187	1395216	3196479.5	127.86	417599.4	299657	240.877	ng/ml

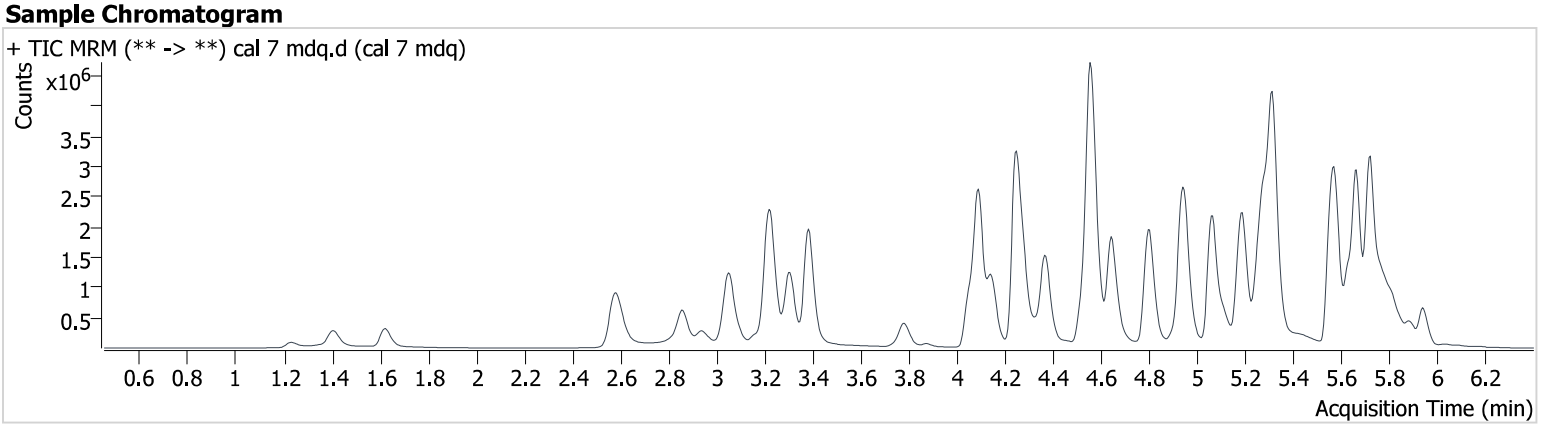
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-G1
Injection Volume 2
Acq. Date-Time 3/20/2024 11:36:08 AM
Sample Info.

Data File cal 7 mdq.d
Sample cal 7 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.253	83348	2378.1	117.51	7639.9	32342	341.163	ng/ml
Amphetamine	3.058	855530	239233.5	256.49	∞	88723	299.158	ng/ml
Bupropion	4.799	3321128	3126149.4	69.34	218903.9	191357	491.714	ng/ml
Carisoprodol	5.709	473962	1292264.3	65.24	18170.2	40706	468.424	ng/ml
Clonazepam	5.607	242197	108829.7	33.61	8005.5	8937	514.024	ng/ml
Dextromethorphan	5.295	1167929	94538.6	74.56	1354634.0	108698	549.242	ng/ml
Dihydrocodeine	2.560	336644	16440.0	67.85	683.5	56584	410.343	ng/ml
Duloxetine	5.660	262299	2609.0	9.09	8409.0	15489	521.988	ng/ml
Fentanyl	5.111	329003	71115.8	146.02	55042.1	255102	50.694	ng/ml
Fluorofentanyl	5.167	308269	429719.1	109.18	27413.7	3964	49.517	ng/ml
Fluoxetine	5.717	1882373	90805.0	6.52	145255.3	132480	474.664	ng/ml
Hydrocodone	3.040	826442	∞	41.33	∞	101514	489.973	ng/ml
Hydroxyzine	5.720	2274486	74591.5	108.03	116235.2	582145	504.254	ng/ml
Lamotrigine	4.316	66864	∞	98.84	62949.0	40706	478.047	ng/ml
Meprobamate	4.903	238245	468414.9	48.39	4505.9	20234	436.569	ng/ml
Methamphetamine	3.227	3468252	118224.5	38.65	122159.5	290355	358.624	ng/ml
Metoprolol	4.335	362212	4288126.1	100.91	∞	155655	494.467	ng/ml
Norfentanyl	4.098	81368	∞	30.20	51935.4	162771	53.744	ng/ml
Norhydrocodone	3.091	164634	9388.3	26.91	7573.6	23674	526.279	ng/ml
Noroxycodone	2.937	527233	77709.7	49.24	∞	35634	508.183	ng/ml
Oxycodone	2.855	1604980	∞	29.44	∞	154838	485.114	ng/ml
Pseudoephedrine	2.583	2544078	∞	17.87	∞	205302	505.407	ng/ml
Trazodone	5.187	2689095	440899.4	131.17	826393.0	316272	440.282	ng/ml

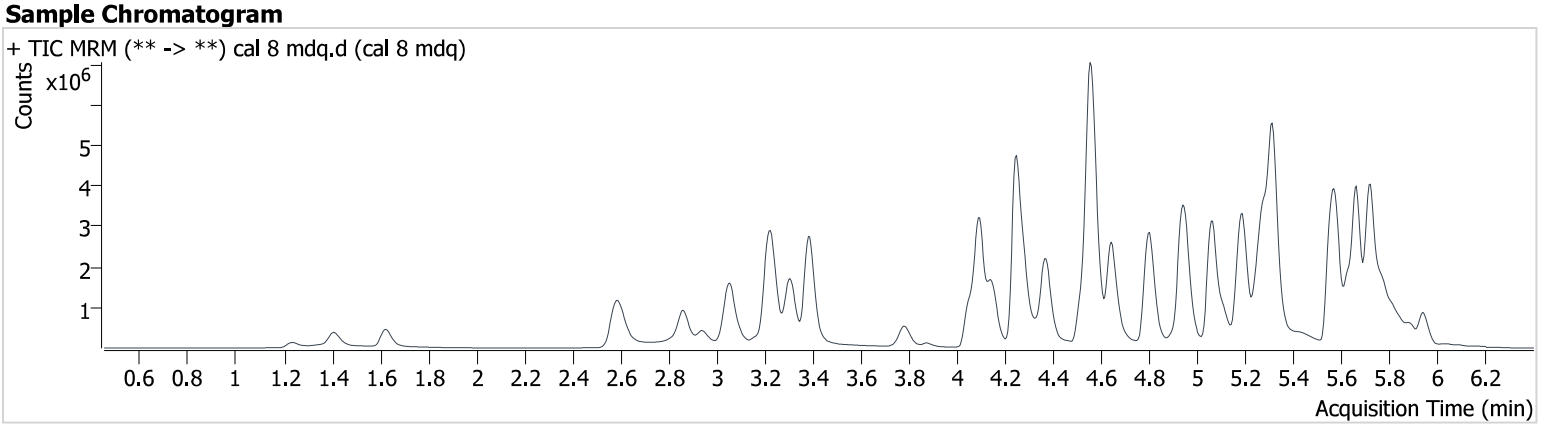
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\032024\QuantResults\am 28.batch.bin
Calibration Last Update 3/21/2024 9:57:33 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-H1
Injection Volume 2
Acq. Date-Time 3/20/2024 11:53:30 AM
Sample Info.

Data File cal 8 mdq.d
Sample cal 8 mdq
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.253	100357	14818.2	114.91	6432.0	22002	604.377	ng/ml
Amphetamine	3.064	1087364	4095.0	255.71	6413.0	73996	456.545	ng/ml
Bupropion	4.804	5056668	963820.4	69.35	719322.5	155624	920.588	ng/ml
Carisoprodol	5.703	518956	∞	68.83	14888797.8	25943	805.454	ng/ml
Clonazepam	5.607	311060	163270.5	35.43	19817.4	5577	1057.605	ng/ml
Dextromethorphan	5.295	1405479	2295108.4	81.98	111853.9	72235	994.123	ng/ml
Dihydrocodeine	2.565	498299	8311.7	68.77	26278.9	46936	732.919	ng/ml
Duloxetine	5.665	259394	449.7	9.22	67.4	8472	943.798	ng/ml
Fentanyl	5.111	584773	74972.5	145.34	17553.7	214592	107.051	ng/ml
Fluorofentanyl	5.162	499585	295080.4	106.33	5986.8	3276	96.995	ng/ml
Fluoxetine	5.717	2451999	62789.1	6.61	209920.0	84195	973.024	ng/ml
Hydrocodone	3.045	1278197	∞	41.55	∞	86132	893.730	ng/ml
Hydroxyzine	5.720	3073251	271407.1	104.29	138337.1	399999	992.168	ng/ml
Lamotrigine	4.316	85792	368970.0	95.29	1440670.9	25943	962.793	ng/ml
Meprobamate	4.903	358056	51035.6	46.32	8029.4	16869	787.803	ng/ml
Methamphetamine	3.227	4880168	456774.5	38.28	154369.8	258394	568.792	ng/ml
Metoprolol	4.335	510993	3115254.8	99.96	∞	96732	1122.169	ng/ml
Norfentanyl	4.103	92027	75619.0	29.92	58826.0	85796	115.242	ng/ml
Norhydrocodone	3.096	241261	∞	27.52	∞	17986	1014.392	ng/ml
Noroxycodone	2.942	794642	∞	50.18	∞	30257	902.160	ng/ml
Oxycodone	2.860	2507121	∞	28.97	∞	129587	905.761	ng/ml
Pseudoephedrine	2.593	3674503	17053.5	17.79	∞	148177	1011.097	ng/ml
Trazodone	5.187	4004079	3674545.0	135.21	603362.7	281916	735.808	ng/ml