9/12/2024

REVIEWED
By Britany Wylie at 2:18 pm, Sep 13, 2024

Worklist: 6925

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
C2024-1612	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1630	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1666	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1675	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1676	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1677	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1697	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1716	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1731	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1801	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1803	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1827	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-3542	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	

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

Extraction Date: 09-11-24
Plate lot#: 240528
Mobile phase A: 5mM Amm Form + 0.01% FA
Blank Blood Lot: 24C52043
Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

Analyst: Anne Nord
Plate Retest Date: 11/28/2024
Mobile phase B: 0.01% Formic Acid in MeOH
Blank Urine Lot: 6524
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. Using a calibrated pipette, pipette **250µL blood and urine** (if applicable) into wells of analytical (standards) plate. **Pipette ID: 390993** Urine Hydrolysis: add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes
☒ 3. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 5. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate. Amount transferred: *250*
☒ 6. 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).***
☒ 7. Wait 5 minutes.
☒ 8. Add **900uL ethyl acetate.**
☒ 9. Wait 5 minutes.
☒ 10. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 11. Add **900uL ethyl acetate.**
☒ 12. Wait 5 minutes.
☒ 13. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 14. Remove plate containing eluate. Place on SPE Dry 75401 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).
☒ 15. 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	*limitations*
7-aminoclonazepam	5-250 cal 7 and 8 dropped due to accuracy
Amphetamine	5-250 cal 7 and 8 dropped due to accuracy
Clonazepam	
Cyclobenzaprine	
Duloxetine	
EDDP	
Fentanyl	
Fluoxetine	
Hydroxyzine	

Ketamine	5-500 cal 8 dropped due to accuracy
Methadone	
Methamphetamine	5-500 cal 8 dropped due to accuracy
Methorphan	
Mitragynine	
morphine	
norbuprenorphine	
Norfentanyl	
O-desmethylvenlafaxine	
~~Pseudoephedrine/ephedrine~~	A 9/12/24
Tramadol	
Trazodone	
Zolpidem	

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	1666-1	1827-1								
B	IS + Cal. 2	IS + QC_2	1675-1	negative urine								
C	IS + Cal. 3	IS + QC 3	1676-1	M2024-3542-2								
D	IS + Cal. 4	IS + QC_4	1677-1									
E	IS + Cal. 5	IS + QC_2	1697-1									
F	IS + Cal. 6	1612-1	1716-2									
G	IS + Cal. 7	1731-1	1801-2									
H	IS + Cal. 8	1630-1	1803-1									

blank in front

plate position 2

c2024-____-_

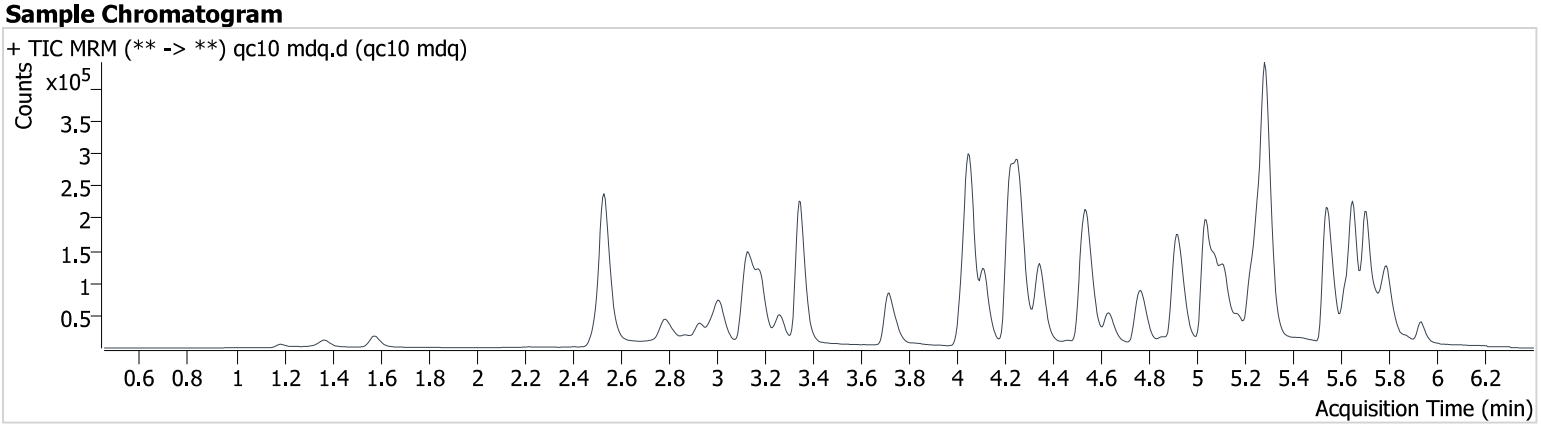
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-A2
Injection Volume 2
Acq. Date-Time 9/11/2024 1:26:17 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	4.239	9990	207474.8	114.70	3489.7	45165	10.087	ng/ml
Amphetamine	3.013	38256	1437.3	256.56	2479.9	97803	9.819	ng/ml
Clonazepam	5.587	2559	594.6	41.16	1140.2	5095	8.023	ng/ml
Cyclobenzaprine	5.620	53368	8044.2	11.21	277.2	147931	10.027	ng/ml
Dextromethorphan	5.264	32350	30161.2	78.08	1881.2	152572	9.196	ng/ml
Duloxetine	5.645	10553	176.5	11.08	80.2	30361	10.703	ng/ml
EDDP	5.259	49080	3687.0	43.69	21137.9	229860	9.386	ng/ml
Fentanyl	5.086	4956	1410.6	138.67	867.6	256197	0.888	ng/ml
Fluoxetine	5.702	67215	2013.6	6.68	3267.3	211955	11.330	ng/ml
Hydroxyzine	5.706	41868	1253.8	144.32	2332.2	777728	9.288	ng/ml
Ketamine	4.037	39544	6746.1	41.98	1613.0	177822	9.738	ng/ml
Methadone	5.650	78415	1246.3	52.97	1461.3	328358	9.235	ng/ml
Methamphetamine	3.186	115668	3578.3	36.53	1943.3	344955	11.362	ng/ml
Mitragynine	5.230	18709	60002.1	31.65	5711.8	563172	8.801	ng/ml
Morphine	1.191	2515	470.9	18.14	91.5	2765	9.808	ng/ml
Norbuprenorphine	4.987	377	1953.5	109.57	378.2	4747	1.065	ng/ml
Norfentanyl	4.073	2975	277.6	31.50	164.4	351750	0.946	ng/ml
O-Desmethylvenlafaxine	4.061	30575	94.9	518.10	3546.6	119792	9.552	ng/ml
Tramadol	4.230	102221	5734.7	3.99	384.8	540649	10.171	ng/ml
Trazodone	5.173	45170	5611.5	136.78	2155.3	260928	9.647	ng/ml
Zolpidem	4.932	95082	∞	30.07	∞	402381	9.730	ng/ml

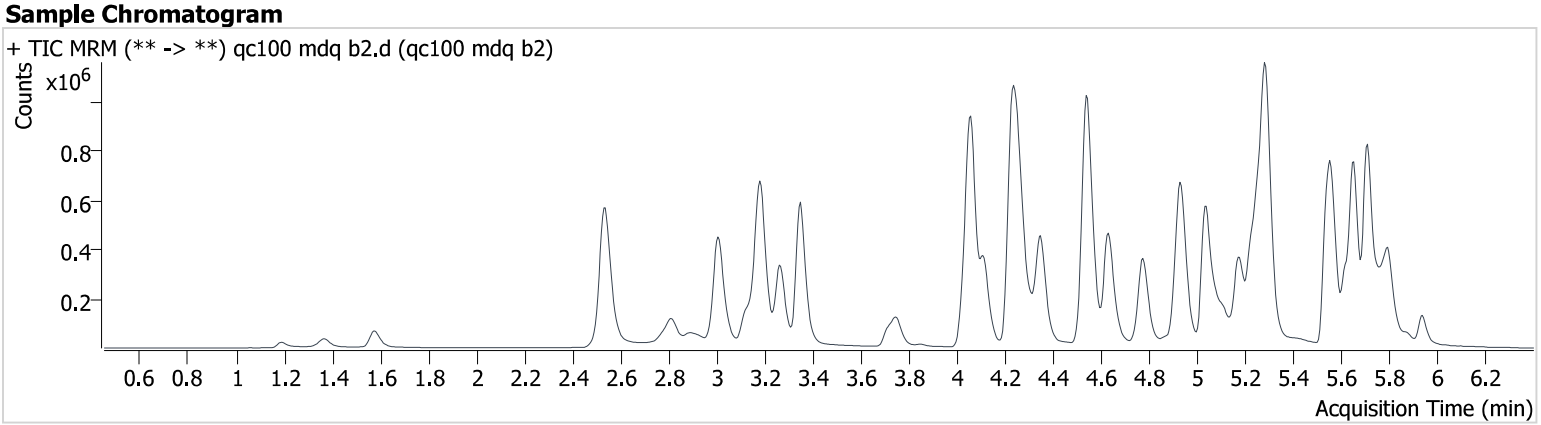
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type Sample
Acq. Method mdqp1 121523.m
Sample Position P2-B2
Injection Volume 2
Acq. Date-Time 9/11/2024 5:55:27 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	4.239	75180	∞	108.92	∞	36189	102.078	ng/ml
Amphetamine	3.007	319721	36619.3	264.54	179071.8	87922	102.147	ng/ml
Clonazepam	5.587	24052	23755.8	35.14	4417.2	4718	94.680	ng/ml
Cyclobenzaprine	5.620	521595	217053.0	11.08	12305.6	142110	100.454	ng/ml
Dextromethorphan	5.264	335196	∞	75.16	∞	151074	95.452	ng/ml
Duloxetine	5.645	84321	1002.7	10.70	538.6	25259	99.913	ng/ml
EDDP	5.254	419500	14593.0	39.66	91800.6	179297	102.677	ng/ml
Fentanyl	5.091	51610	4792.0	137.69	12834.1	258596	9.346	ng/ml
Fluoxetine	5.708	529144	∞	7.02	47044.1	184790	102.892	ng/ml
Hydroxyzine	5.706	404270	13476.3	141.44	59975.0	728472	96.631	ng/ml
Ketamine	4.037	370391	74630.1	41.37	4511.5	167966	104.142	ng/ml
Methadone	5.650	826880	1145434.4	51.88	∞	330790	94.964	ng/ml
Methamphetamine	3.186	850855	23896.8	35.82	19693.1	342237	106.446	ng/ml
Mitragynine	5.230	167976	329406.2	34.76	67497.5	503964	88.439	ng/ml
Morphine	1.191	22838	2907.0	17.08	522.6	2610	94.601	ng/ml
Norbuprenorphine	4.992	2935	3515.4	101.21	8589.2	4386	10.826	ng/ml
Norfentanyl	4.068	26841	4443.2	31.28	1490.6	295268	9.696	ng/ml
O-Desmethylvenlafaxine	4.061	282083	7979.6	522.83	30202.0	106560	98.785	ng/ml
Tramadol	4.230	954433	∞	4.19	∞	502706	105.723	ng/ml
Trazodone	5.173	442515	7398.3	135.83	55406.6	255278	104.831	ng/ml
Zolpidem	4.932	939829	33493.0	30.59	∞	383386	105.597	ng/ml

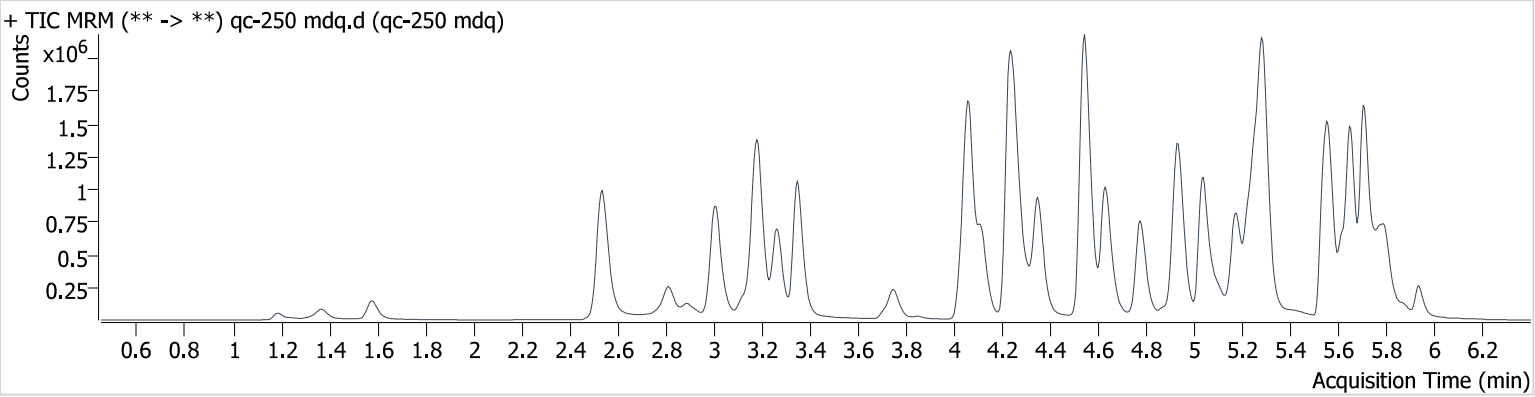
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-C2
Injection Volume 2
Acq. Date-Time 9/11/2024 1:34:56 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	4.239	130617	74889.1	110.33	31034.4	28202	228.649	ng/ml
Amphetamine	3.013	653125	1988.9	254.45	170958.8	82831	223.023	ng/ml
Clonazepam	5.587	57200	55720.6	34.18	17207.2	4485	239.071	ng/ml
Cyclobenzaprine	5.620	1157102	∞	10.61	1794.1	131044	241.425	ng/ml
Dextromethorphan	5.264	717568	841950.2	77.51	793823.4	133305	231.457	ng/ml
Duloxetine	5.645	185069	1757.9	11.00	475.0	20241	273.066	ng/ml
EDDP	5.259	1129029	78929.0	41.23	79363.5	198801	249.206	ng/ml
Fentanyl	5.091	124548	93122.6	137.41	16733.1	247713	23.575	ng/ml
Fluoxetine	5.702	1136803	1465093.4	7.18	31995.2	158933	257.124	ng/ml
Hydroxyzine	5.706	918760	∞	135.43	170889.8	637941	250.924	ng/ml
Ketamine	4.032	795557	130096.4	40.62	36821.7	152849	246.965	ng/ml
Methadone	5.650	1946936	∞	50.09	∞	295710	249.831	ng/ml
Methamphetamine	3.186	1841875	21738.7	37.09	52856.1	331350	242.276	ng/ml
Mitragynine	5.230	428702	∞	33.33	223889.8	429318	264.986	ng/ml
Morphine	1.186	56190	9901.2	15.06	637.6	2458	247.201	ng/ml
Norbuprenorphine	4.987	7281	11084.7	97.53	16811.9	4582	26.049	ng/ml
Norfentanyl	4.073	54858	7783.2	31.38	2321.9	239507	24.355	ng/ml
O-Desmethylvenlafaxine	4.061	582891	5870.7	532.93	64707.4	88660	245.295	ng/ml
Tramadol	4.230	2140740	∞	3.93	860.2	457888	260.921	ng/ml
Trazodone	5.173	1005299	139535.2	138.39	264153.3	242160	252.327	ng/ml
Zolpidem	4.932	2106215	∞	30.26	∞	348245	261.259	ng/ml

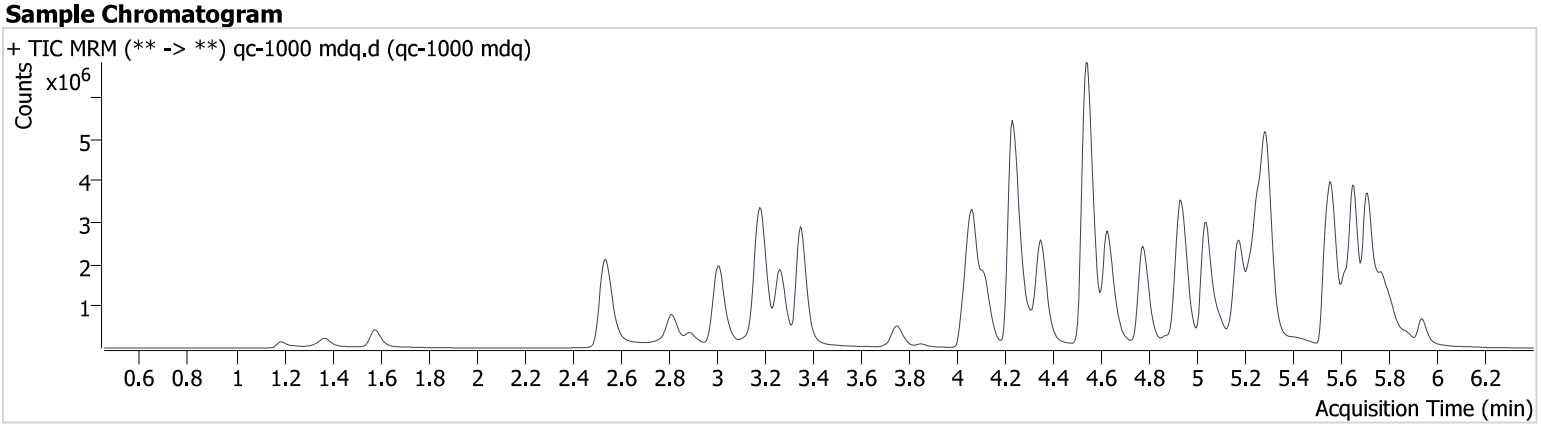
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-D2
Injection Volume 2
Acq. Date-Time 9/11/2024 1:43:38 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	4.233	211056	368529.6	109.23	∞	15960	654.488	ng/ml
Amphetamine	3.013	1489882	82478.1	256.25	143074.1	73187	577.862	ng/ml
Clonazepam	5.587	163440	4024.5	35.27	95313.3	3494	880.553	ng/ml
Cyclobenzaprine	5.615	3181005	102704.6	10.54	98549.7	87506	993.395	ng/ml
Dextromethorphan	5.259	1732753	∞	76.64	∞	78234	952.093	ng/ml
Duloxetine	5.640	400729	16730.5	11.38	1528.0	11762	1016.595	ng/ml
EDDP	5.254	4102327	54452.3	42.68	29268.1	175272	1026.986	ng/ml
Fentanyl	5.091	468444	62946.2	138.35	72369.2	222826	98.639	ng/ml
Fluoxetine	5.702	2641885	110182.3	7.07	623092.3	94042	1010.085	ng/ml
Hydroxyzine	5.706	2418058	181045.7	127.22	160137.8	392497	1073.684	ng/ml
Ketamine	4.026	1965680	690216.2	40.07	92807.2	119348	783.329	ng/ml
Methadone	5.650	5970497	1100869.2	49.63	303387.7	231263	979.113	ng/ml
Methamphetamine	3.186	5158287	6487.2	36.43	22432.2	304357	745.780	ng/ml
Mitragynine	5.224	1148109	176522.3	35.57	138604.0	287080	1061.315	ng/ml
Morphine	1.186	176455	27477.7	16.87	3386.3	1980	963.873	ng/ml
Norbuprenorphine	4.992	23184	23713.5	108.06	26012.3	3878	98.690	ng/ml
Norfentanyl	4.078	114706	14326.3	32.07	9739.2	111353	109.364	ng/ml
O-Desmethylvenlafaxine	4.061	1328831	3176.2	536.87	157335.2	50719	977.435	ng/ml
Tramadol	4.225	6332411	∞	3.70	9744.4	364008	971.955	ng/ml
Trazodone	5.173	3194281	565441.3	138.17	597680.1	231016	842.560	ng/ml
Zolpidem	4.932	6502471	397223.1	29.91	137065.1	280796	1001.730	ng/ml

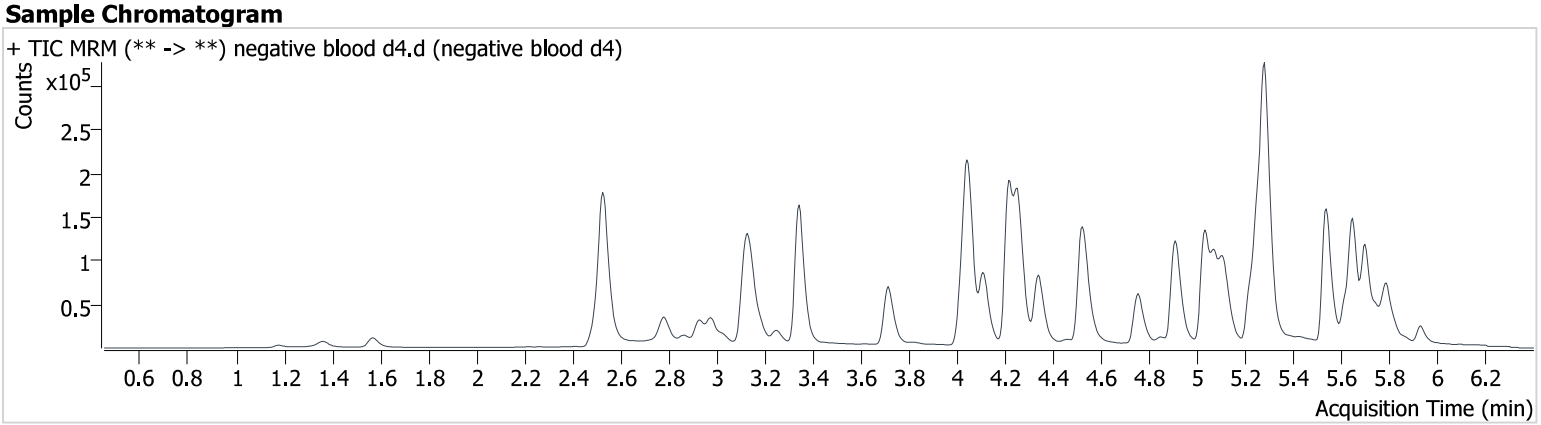
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument	69679	**Data File**	negative blood d4.d
Type	Sample	**Sample**	negative blood d4
Acq. Method	mdqp1 121523.m	**Operator**	Anne Nord
Sample Position	P2-D4	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/11/2024 2:09:40 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



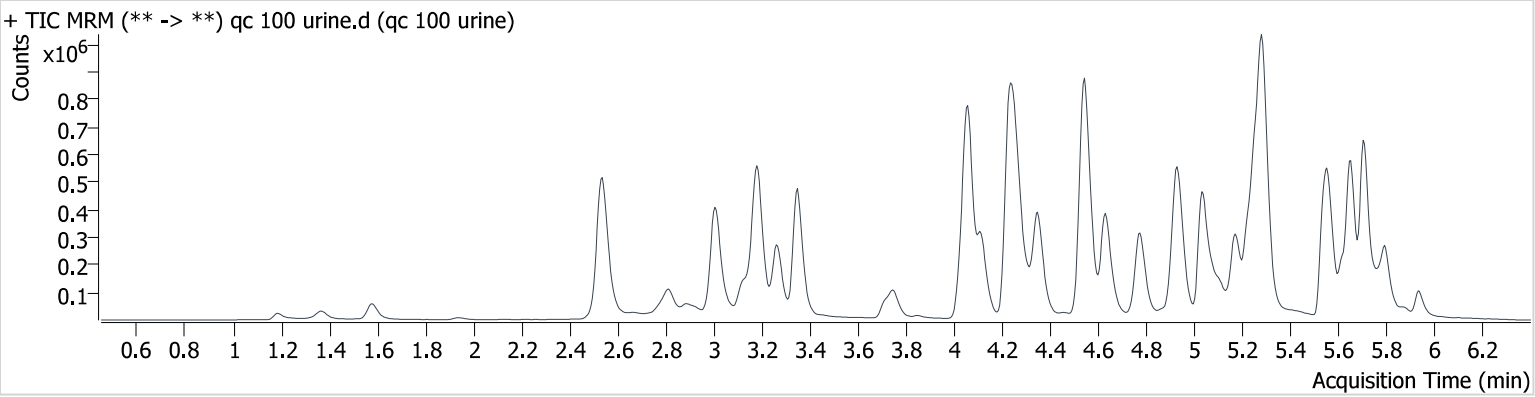
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type Sample
Acq. Method mdqp1 121523.m
Sample Position P2-E2
Injection Volume 2
Acq. Date-Time 9/11/2024 1:52:18 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	4.239	65897	88020.0	106.93	7430.6	29454	109.997	ng/ml
Amphetamine	3.007	287364	13896.1	252.77	28596.8	74846	107.923	ng/ml
Clonazepam	5.587	15684	19801.0	31.72	3650.0	2817	103.545	ng/ml
Cyclobenzaprine	5.620	334562	24776.0	10.75	3793.5	96409	94.985	ng/ml
Dextromethorphan	5.264	275112	61881.3	75.52	8950.6	122256	96.807	ng/ml
Duloxetine	5.645	75018	3689.3	10.27	791.3	21074	106.519	ng/ml
EDDP	5.254	503817	33953.7	42.96	24383.5	221861	99.657	ng/ml
Fentanyl	5.091	41561	3611.2	140.77	5880.8	216489	8.989	ng/ml
Fluoxetine	5.702	396636	7524.3	7.28	1173.9	134422	106.028	ng/ml
Hydroxyzine	5.706	312216	26640.9	130.56	41738.1	592026	91.823	ng/ml
Ketamine	4.037	319632	16415.7	40.43	11495.3	143671	105.075	ng/ml
Methadone	5.650	631179	11728.6	52.44	9978.8	260826	91.939	ng/ml
Methamphetamine	3.186	694604	14082.0	35.98	∞	276169	107.727	ng/ml
Mitragynine	5.230	166575	6642.4	33.60	125394.6	450161	98.185	ng/ml
Morphine	1.186	23449	2546.8	16.34	550.0	2538	99.882	ng/ml
Norbuprenorphine	4.987	2603	4535.2	104.21	330.6	4268	9.844	ng/ml
Norfentanyl	4.068	22231	828.3	33.13	928.3	253201	9.366	ng/ml
O-Desmethylvenlafaxine	4.061	226589	889.7	537.10	10100.7	88354	95.702	ng/ml
Tramadol	4.230	792503	∞	4.06	7902.1	428072	103.081	ng/ml
Trazodone	5.168	368078	∞	136.93	∞	210860	105.572	ng/ml
Zolpidem	4.932	792990	15995.4	30.34	33109.8	316890	107.805	ng/ml

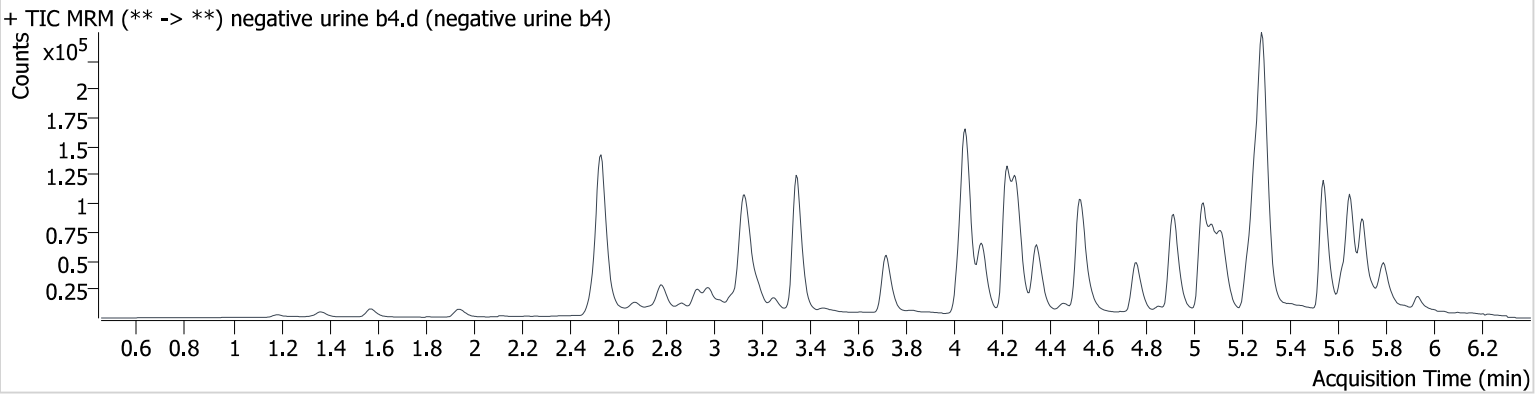
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument	69679	**Data File**	negative urine b4.d
Type	Sample	**Sample**	negative urine b4
Acq. Method	mdqp1 121523.m	**Operator**	Anne Nord
Sample Position	P2-B4	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/11/2024 5:29:22 PM		
Sample Info.			

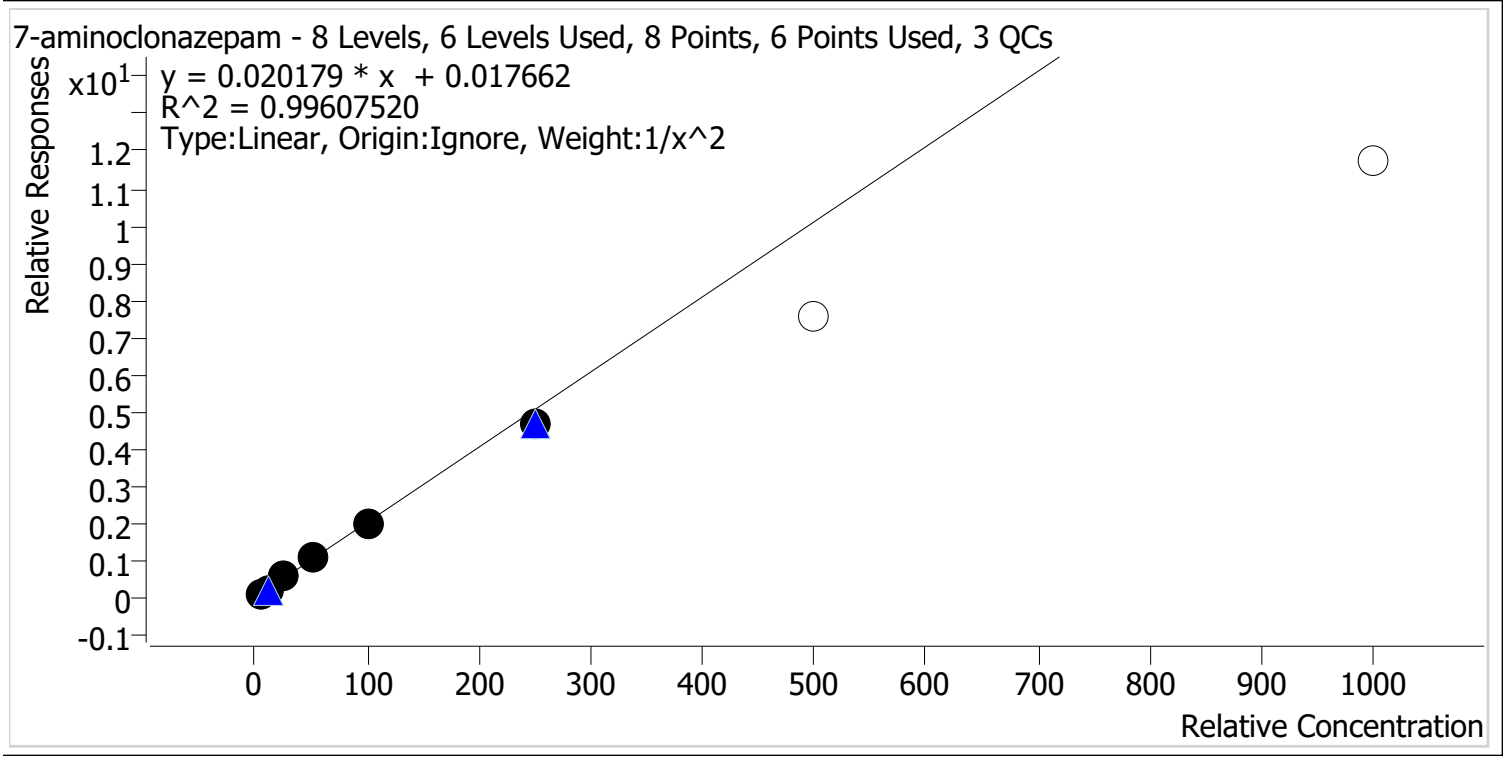
Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Compound Calibration Report

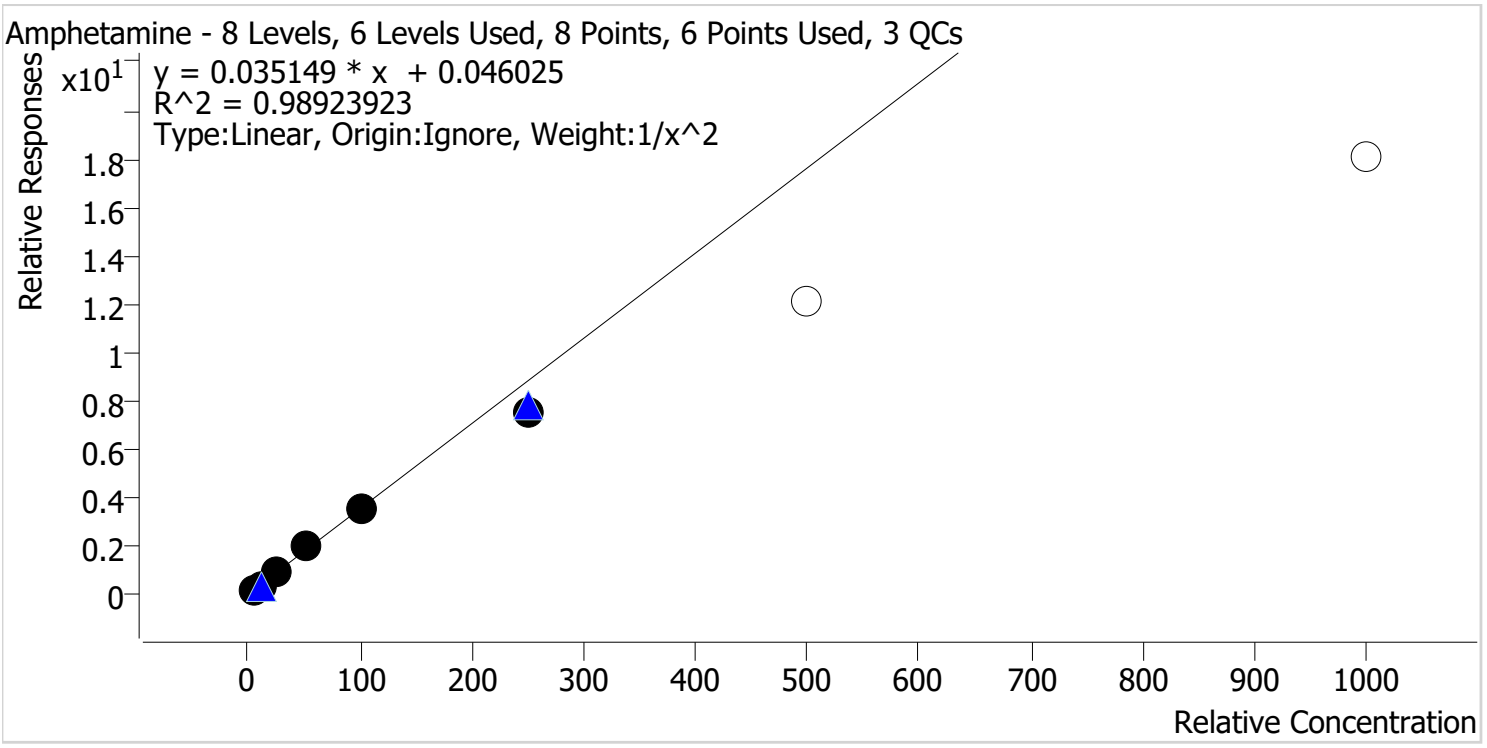
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	7-aminoclonazepam
Internal Standard	7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.9
cal 2 mdq	2	✔	10.0	9.9	99.1
cal 3 mdq	3	✔	25.0	26.7	106.7
cal 4 mdq	4	✔	50.0	52.5	105.1
cal 5 mdq	5	✔	100.0	97.4	97.4
cal 6 mdq	6	✔	250.0	232.1	92.8
cal 7 mdq	7	✗	500.0	373.0	74.6
cal 8 mdq	8	✗	1000.0	580.7	58.1

Compound Calibration Report

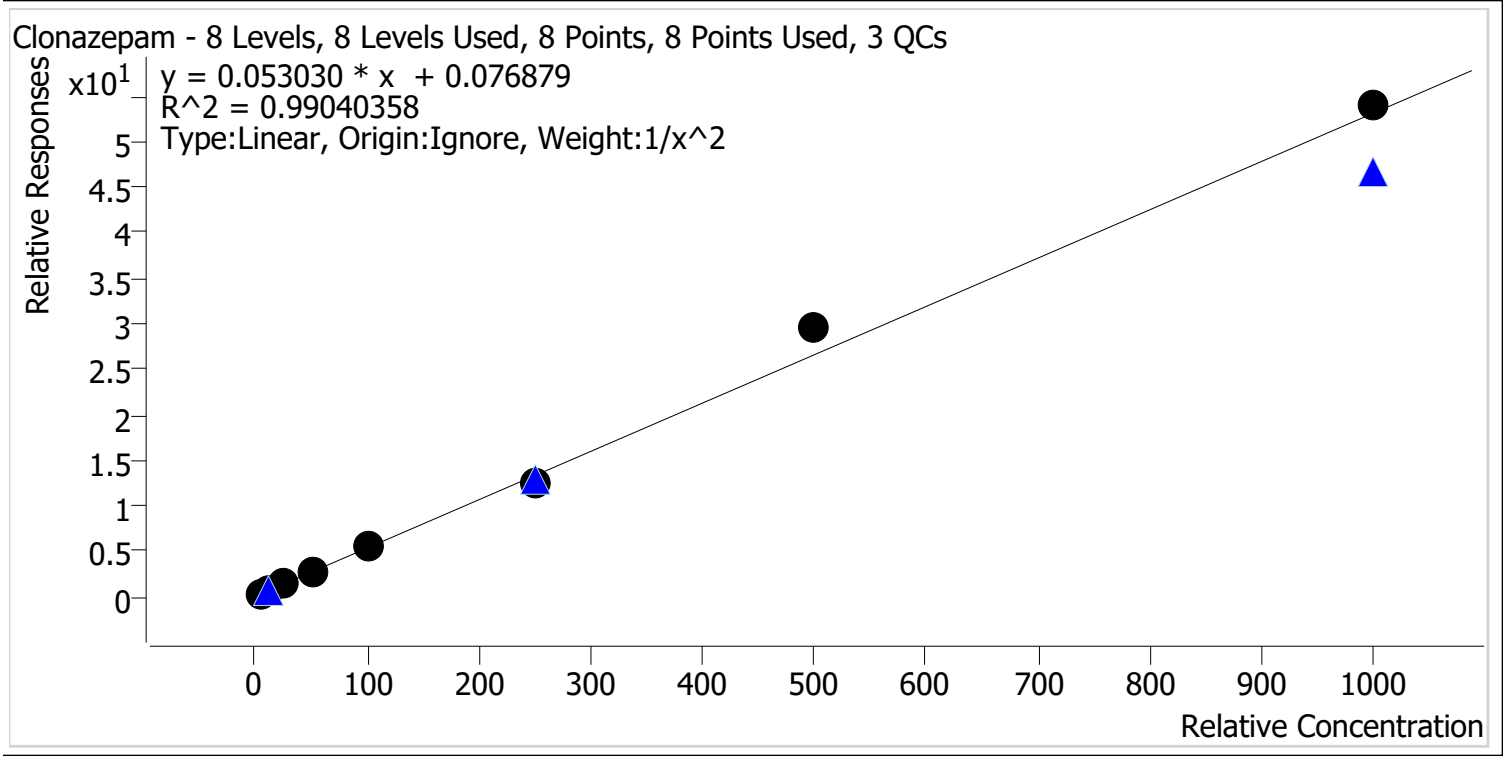
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Amphetamine
Internal Standard	Amphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	95.9
cal 2 mdq	2	✔	10.0	10.5	104.8
cal 3 mdq	3	✔	25.0	26.4	105.5
cal 4 mdq	4	✔	50.0	54.7	109.5
cal 5 mdq	5	✔	100.0	98.3	98.3
cal 6 mdq	6	✔	250.0	214.9	86.0
cal 7 mdq	7	✗	500.0	343.4	68.7
cal 8 mdq	8	✗	1000.0	514.8	51.5

Compound Calibration Report

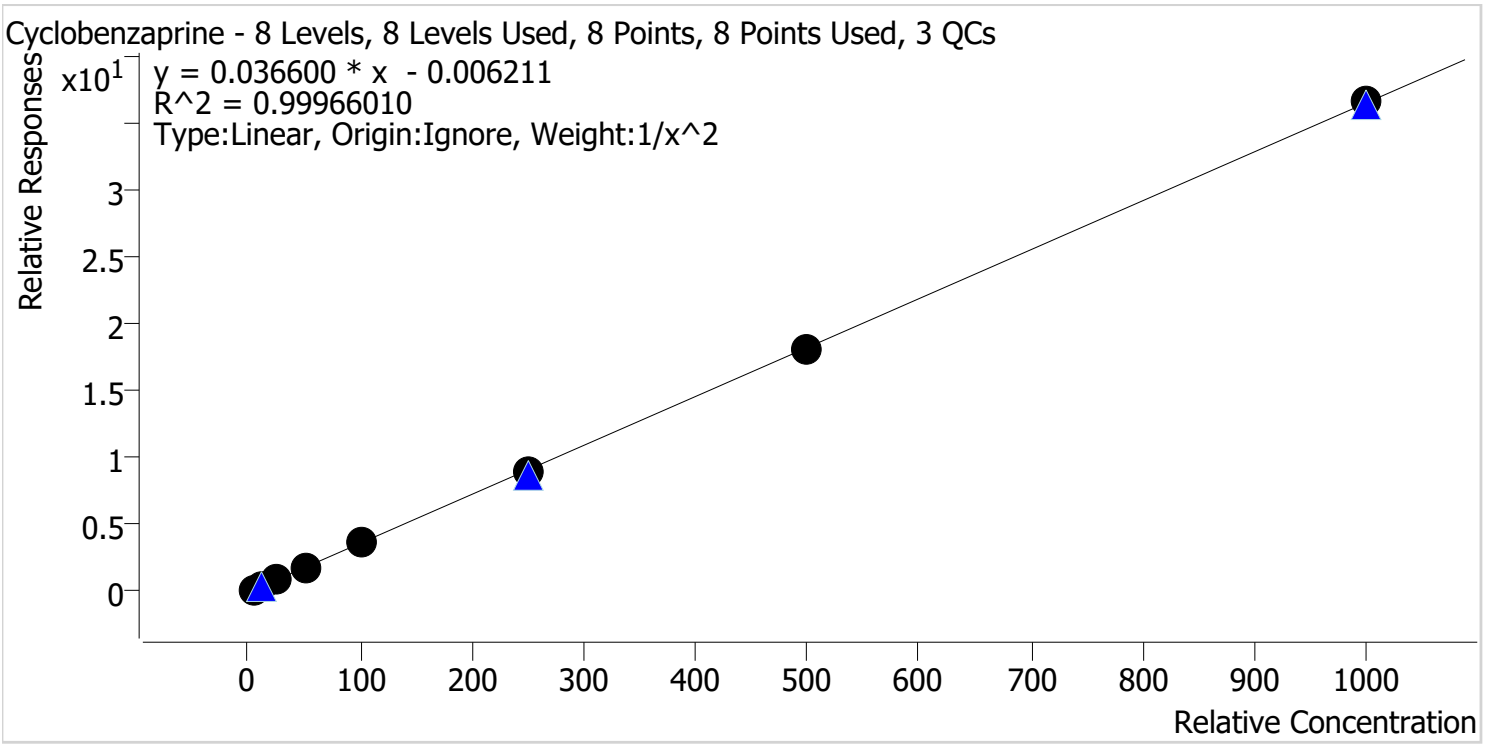
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Clonazepam
Internal Standard	Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.4	108.2
cal 2 mdq	2	✔	10.0	8.4	84.4
cal 3 mdq	3	✔	25.0	24.5	97.9
cal 4 mdq	4	✔	50.0	49.3	98.6
cal 5 mdq	5	✔	100.0	104.5	104.5
cal 6 mdq	6	✔	250.0	234.0	93.6
cal 7 mdq	7	✔	500.0	556.8	111.4
cal 8 mdq	8	✔	1000.0	1015.8	101.6

Compound Calibration Report

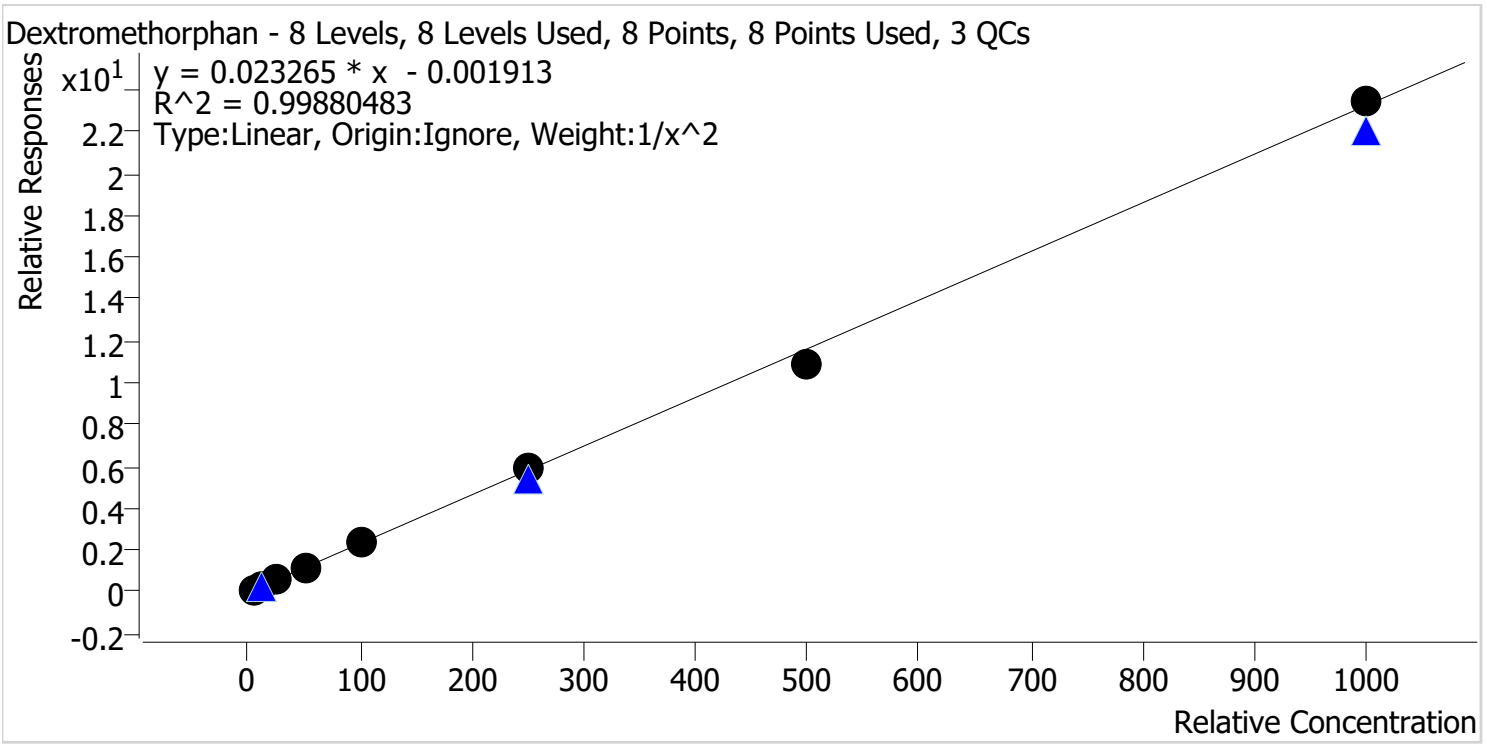
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Cyclobenzaprine
Internal Standard	Cyclobenzaprine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	100.6
cal 2 mdq	2	✔	10.0	9.8	98.2
cal 3 mdq	3	✔	25.0	25.1	100.5
cal 4 mdq	4	✔	50.0	51.5	103.1
cal 5 mdq	5	✔	100.0	99.8	99.8
cal 6 mdq	6	✔	250.0	244.7	97.9
cal 7 mdq	7	✔	500.0	498.6	99.7
cal 8 mdq	8	✔	1000.0	1002.7	100.3

Compound Calibration Report

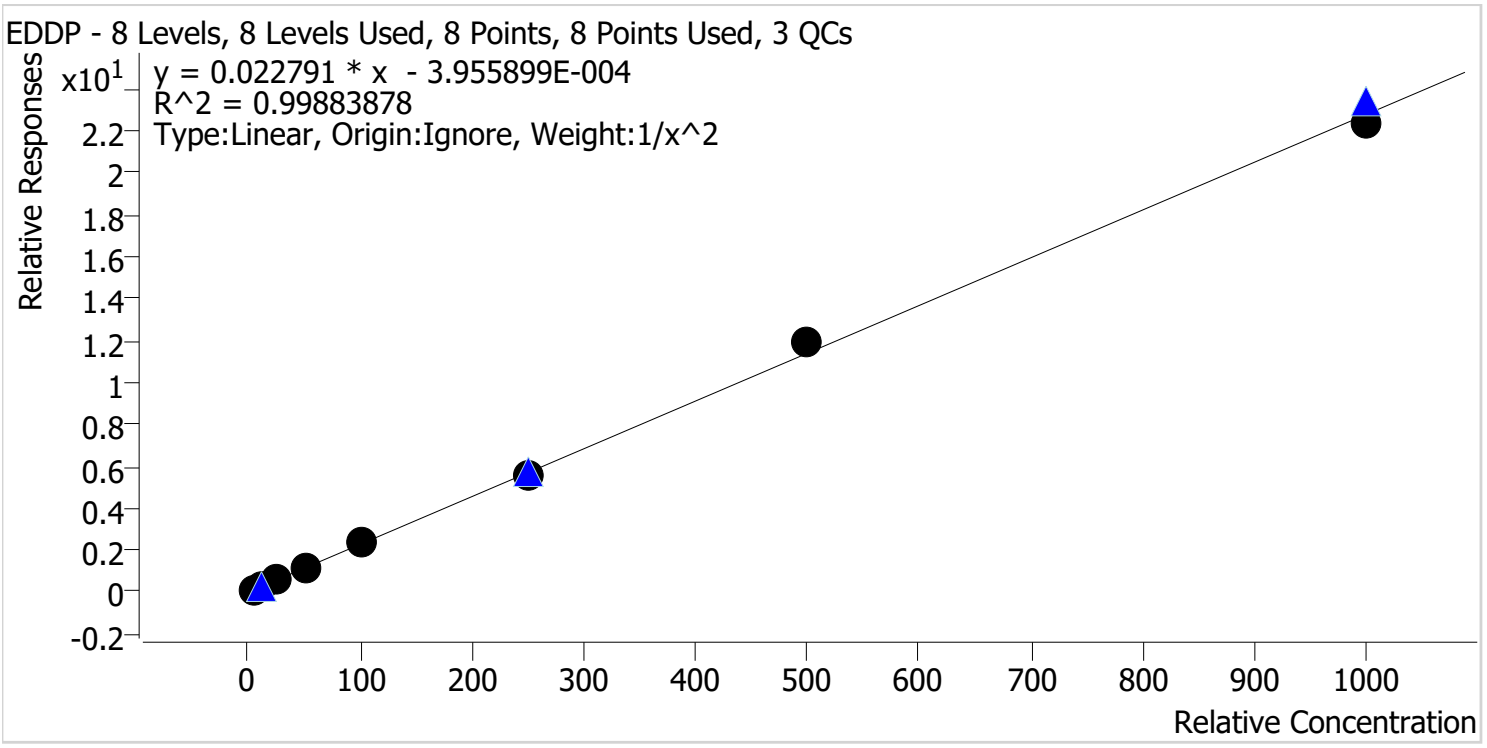
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Dextromethorphan
Internal Standard	Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.1
cal 2 mdq	2	✔	10.0	10.2	102.4
cal 3 mdq	3	✔	25.0	25.8	103.3
cal 4 mdq	4	✔	50.0	50.7	101.4
cal 5 mdq	5	✔	100.0	99.5	99.5
cal 6 mdq	6	✔	250.0	252.0	100.8
cal 7 mdq	7	✔	500.0	468.6	93.7
cal 8 mdq	8	✔	1000.0	1008.0	100.8

Compound Calibration Report

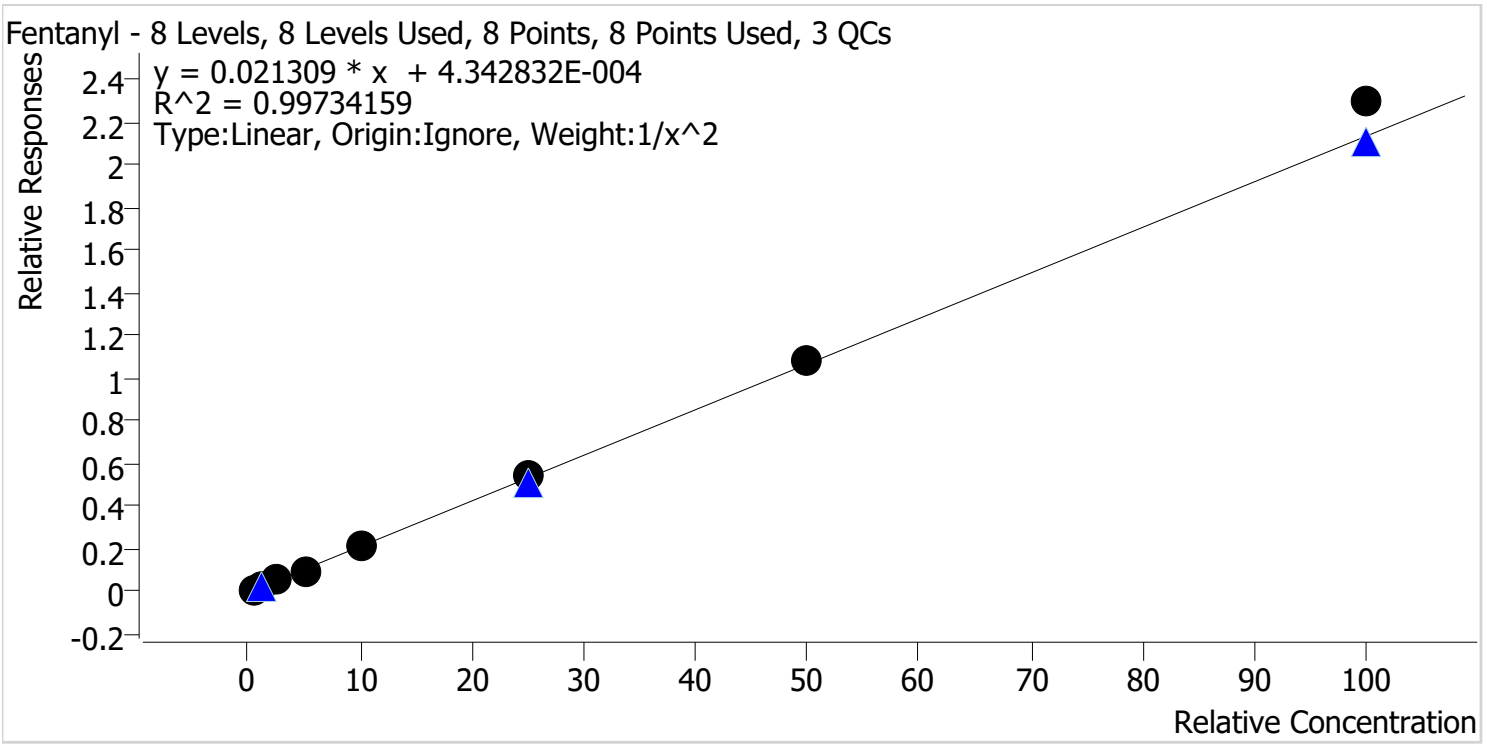
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	EDDP
Internal Standard	EDDP-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.7
cal 2 mdq	2	✔	10.0	10.0	100.3
cal 3 mdq	3	✔	25.0	25.6	102.4
cal 4 mdq	4	✔	50.0	47.7	95.4
cal 5 mdq	5	✔	100.0	102.7	102.7
cal 6 mdq	6	✔	250.0	242.8	97.1
cal 7 mdq	7	✔	500.0	520.0	104.0
cal 8 mdq	8	✔	1000.0	983.1	98.3

Compound Calibration Report

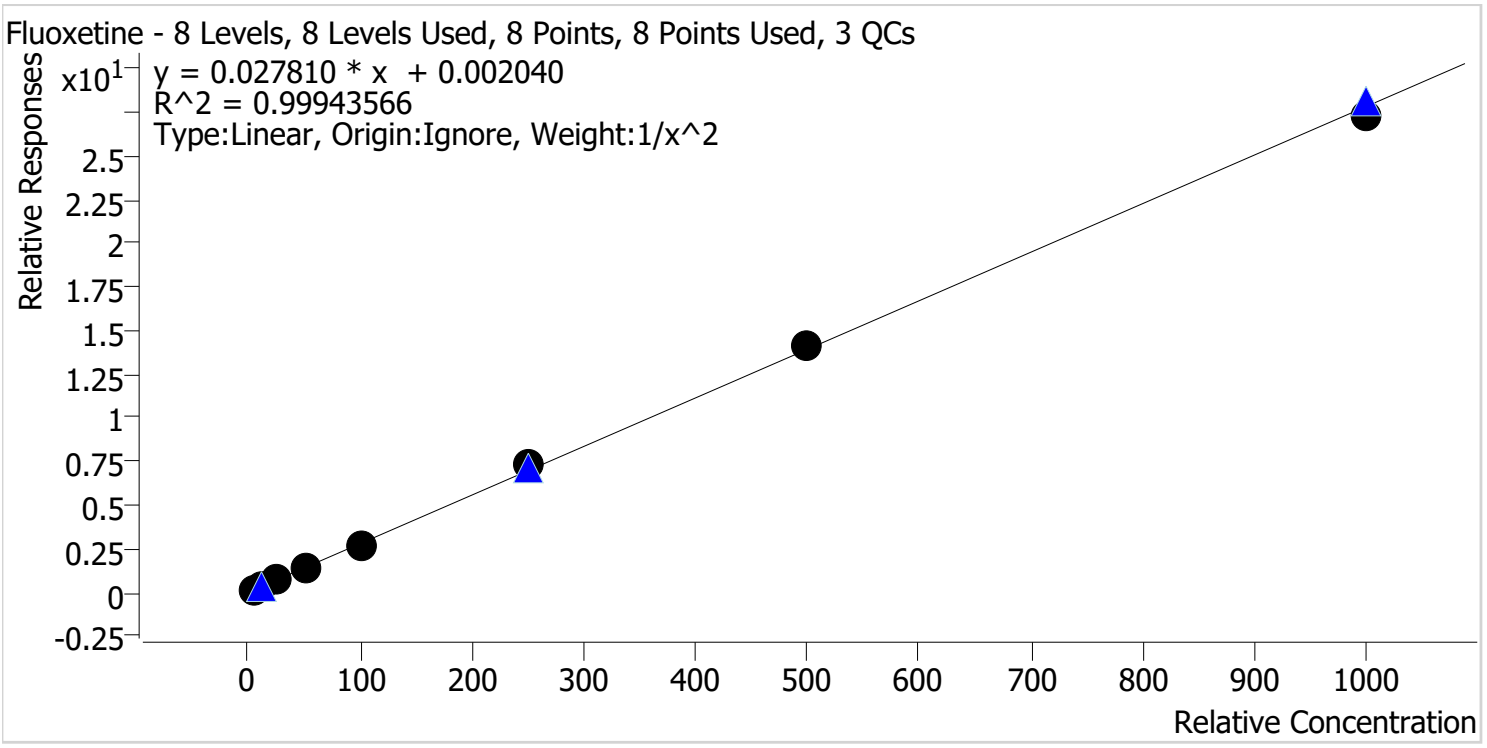
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Fentanyl
Internal Standard	Fentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	0.5	0.5	103.5
cal 2 mdq	2	✔	1.0	0.9	95.0
cal 3 mdq	3	✔	2.5	2.4	97.4
cal 4 mdq	4	✔	5.0	4.7	93.9
cal 5 mdq	5	✔	10.0	10.1	100.7
cal 6 mdq	6	✔	25.0	25.2	101.0
cal 7 mdq	7	✔	50.0	50.4	100.8
cal 8 mdq	8	✔	100.0	107.6	107.6

Compound Calibration Report

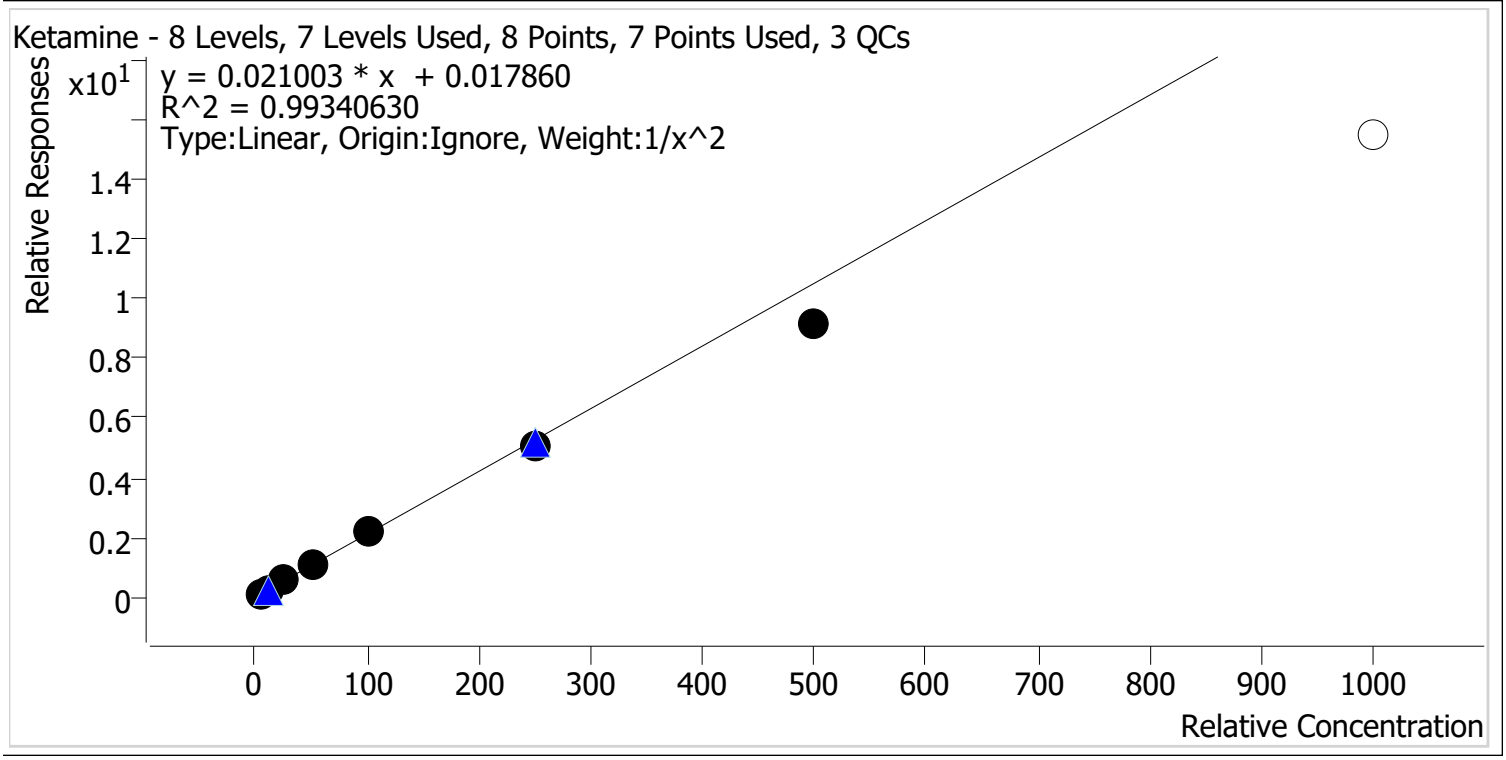
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Fluoxetine
Internal Standard	Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	101.4
cal 2 mdq	2	✔	10.0	9.8	97.5
cal 3 mdq	3	✔	25.0	24.7	98.8
cal 4 mdq	4	✔	50.0	50.3	100.7
cal 5 mdq	5	✔	100.0	98.6	98.6
cal 6 mdq	6	✔	250.0	259.5	103.8
cal 7 mdq	7	✔	500.0	504.1	100.8
cal 8 mdq	8	✔	1000.0	983.4	98.3

Compound Calibration Report

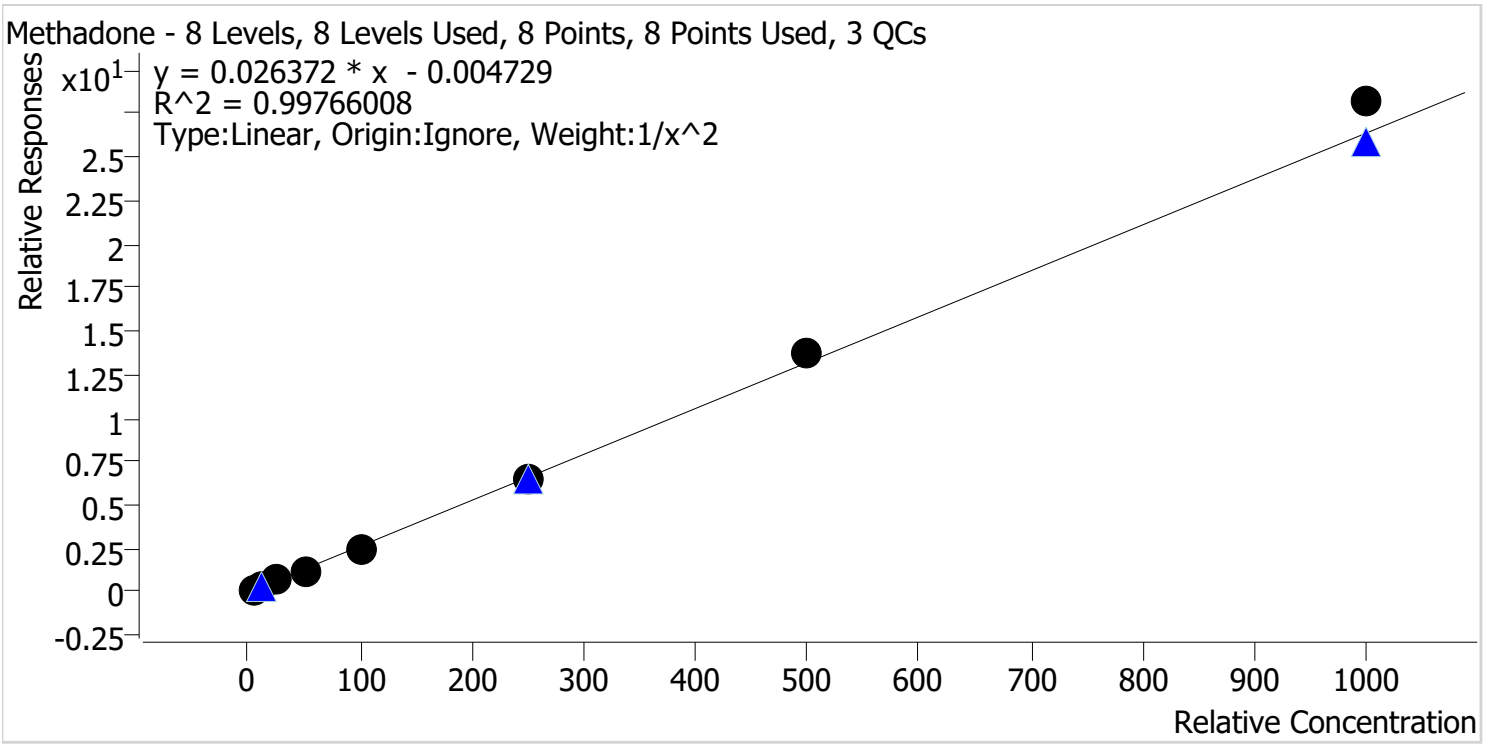
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Ketamine
Internal Standard	Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.9
cal 2 mdq	2	✔	10.0	10.3	102.7
cal 3 mdq	3	✔	25.0	26.3	105.4
cal 4 mdq	4	✔	50.0	53.8	107.5
cal 5 mdq	5	✔	100.0	103.5	103.5
cal 6 mdq	6	✔	250.0	241.6	96.6
cal 7 mdq	7	✔	500.0	437.0	87.4
cal 8 mdq	8	✗	1000.0	739.6	74.0

Compound Calibration Report

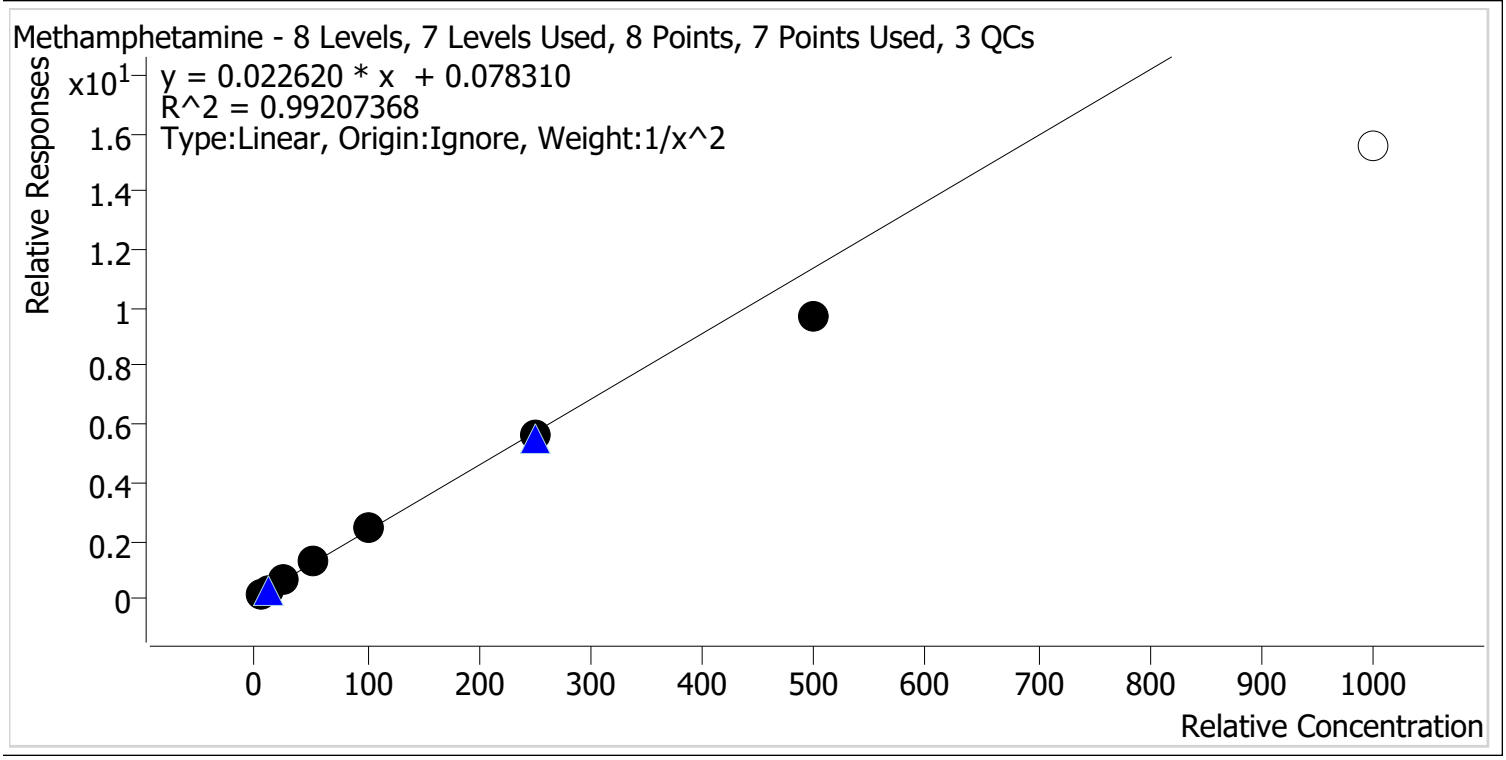
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Methadone
Internal Standard	Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	102.4
cal 2 mdq	2	✔	10.0	9.8	97.8
cal 3 mdq	3	✔	25.0	24.0	96.0
cal 4 mdq	4	✔	50.0	48.1	96.3
cal 5 mdq	5	✔	100.0	96.3	96.3
cal 6 mdq	6	✔	250.0	249.1	99.7
cal 7 mdq	7	✔	500.0	523.6	104.7
cal 8 mdq	8	✔	1000.0	1068.7	106.9

Compound Calibration Report

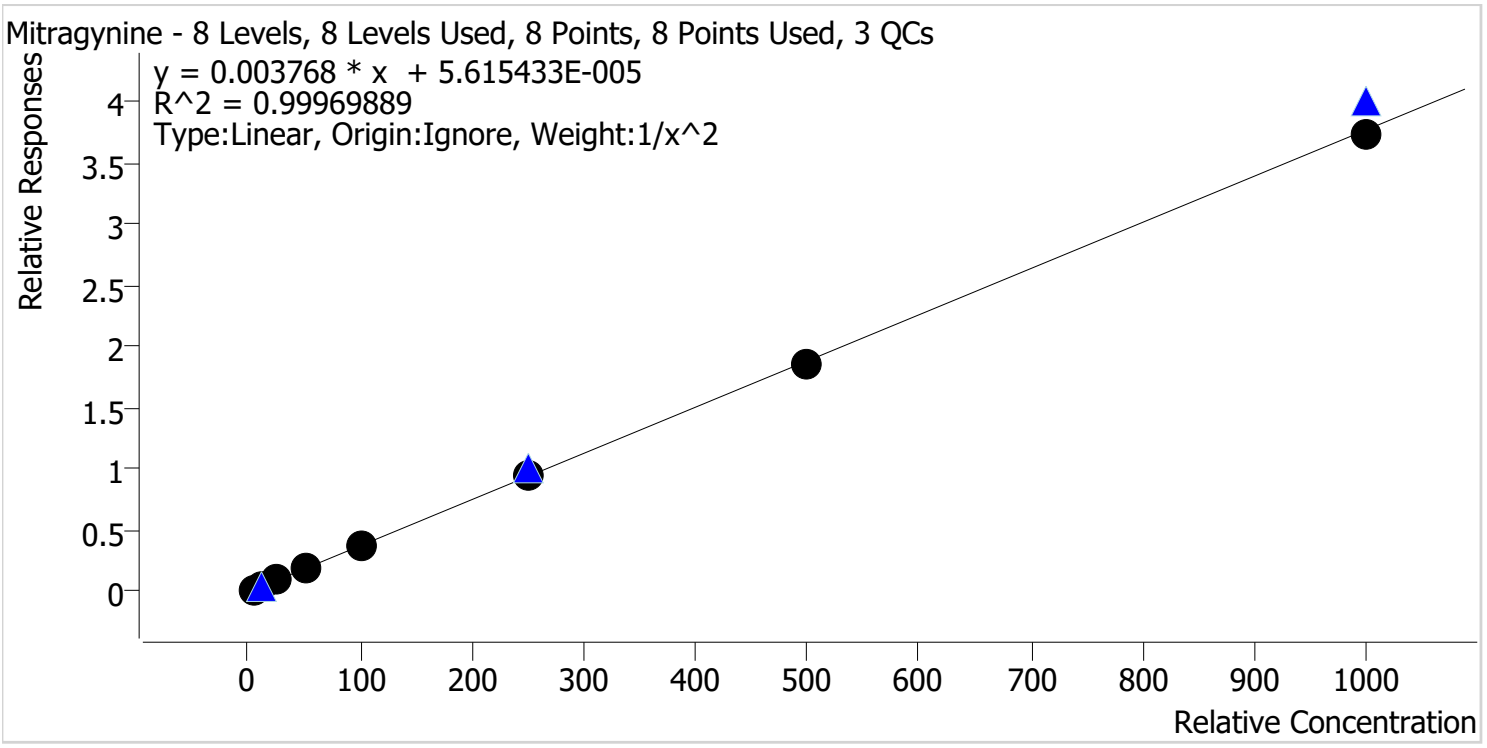
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Methamphetamine
Internal Standard	Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	97.9
cal 2 mdq	2	✔	10.0	10.1	100.8
cal 3 mdq	3	✔	25.0	26.0	103.9
cal 4 mdq	4	✔	50.0	53.8	107.7
cal 5 mdq	5	✔	100.0	106.8	106.8
cal 6 mdq	6	✔	250.0	243.8	97.5
cal 7 mdq	7	✔	500.0	427.2	85.4
cal 8 mdq	8	✗	1000.0	685.0	68.5

Compound Calibration Report

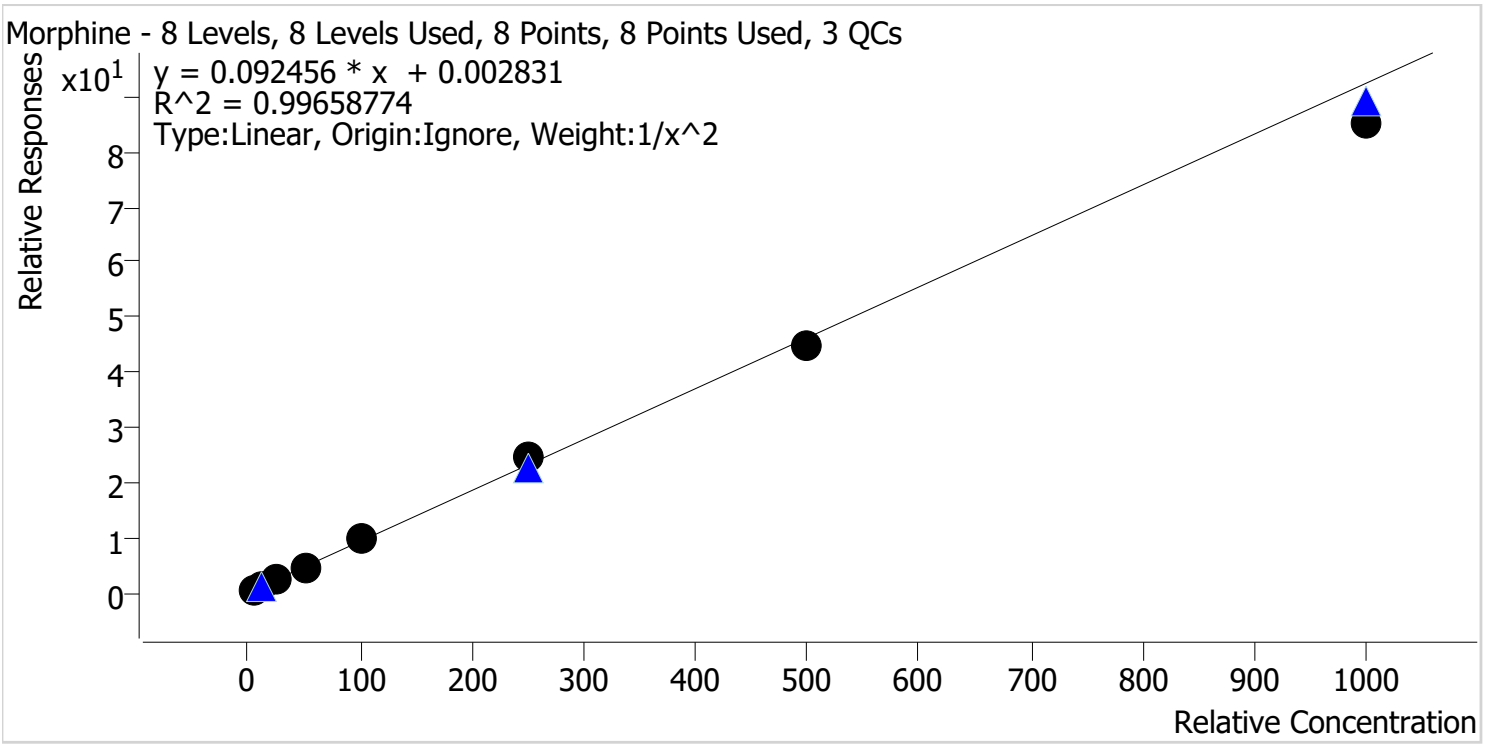
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Mitragynine
Internal Standard	Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.9
cal 2 mdq	2	✔	10.0	10.2	101.7
cal 3 mdq	3	✔	25.0	25.3	101.4
cal 4 mdq	4	✔	50.0	50.4	100.8
cal 5 mdq	5	✔	100.0	98.0	98.0
cal 6 mdq	6	✔	250.0	254.0	101.6
cal 7 mdq	7	✔	500.0	494.5	98.9
cal 8 mdq	8	✔	1000.0	988.5	98.8

Compound Calibration Report

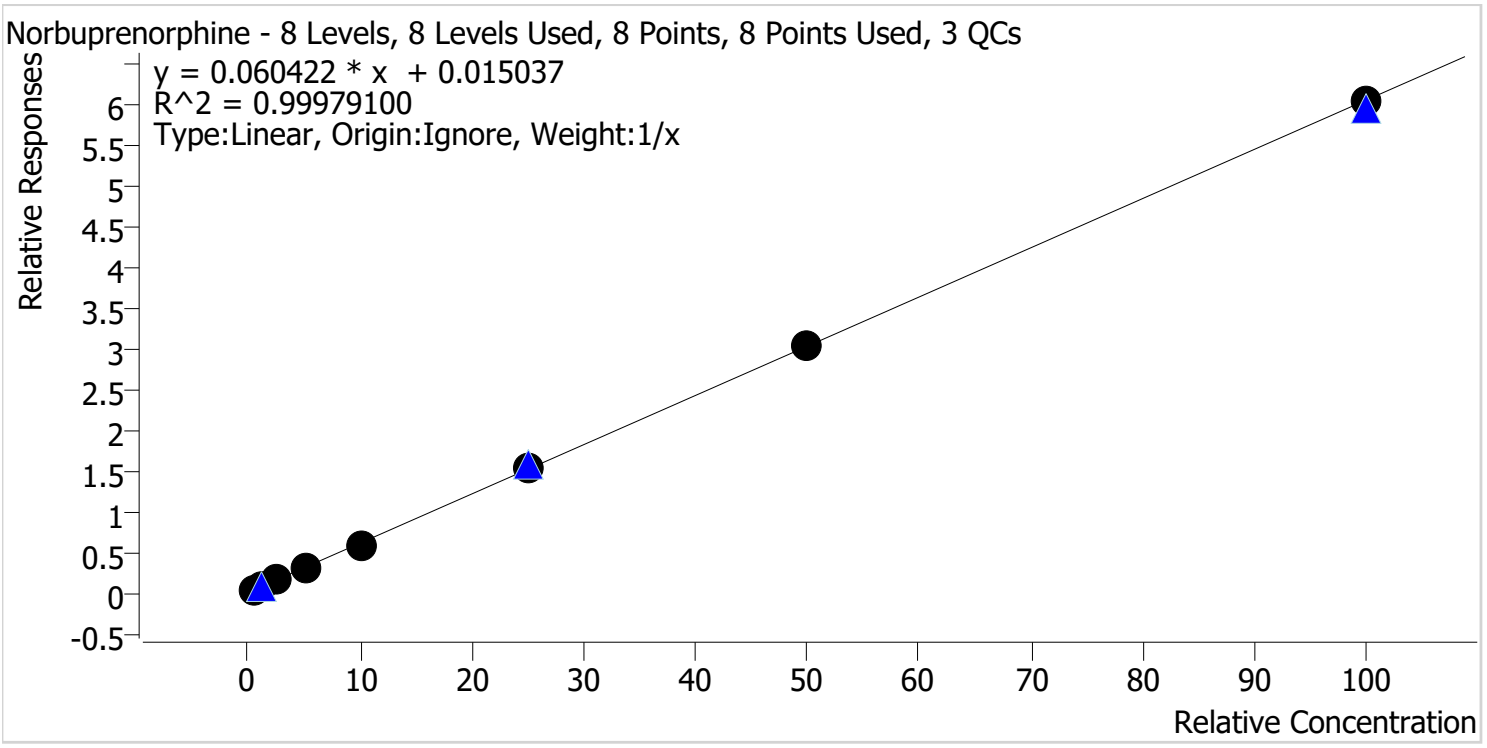
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Morphine
Internal Standard	Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	100.7
cal 2 mdq	2	✔	10.0	9.6	96.2
cal 3 mdq	3	✔	25.0	26.4	105.7
cal 4 mdq	4	✔	50.0	48.9	97.8
cal 5 mdq	5	✔	100.0	105.1	105.1
cal 6 mdq	6	✔	250.0	264.0	105.6
cal 7 mdq	7	✔	500.0	483.8	96.8
cal 8 mdq	8	✔	1000.0	921.8	92.2

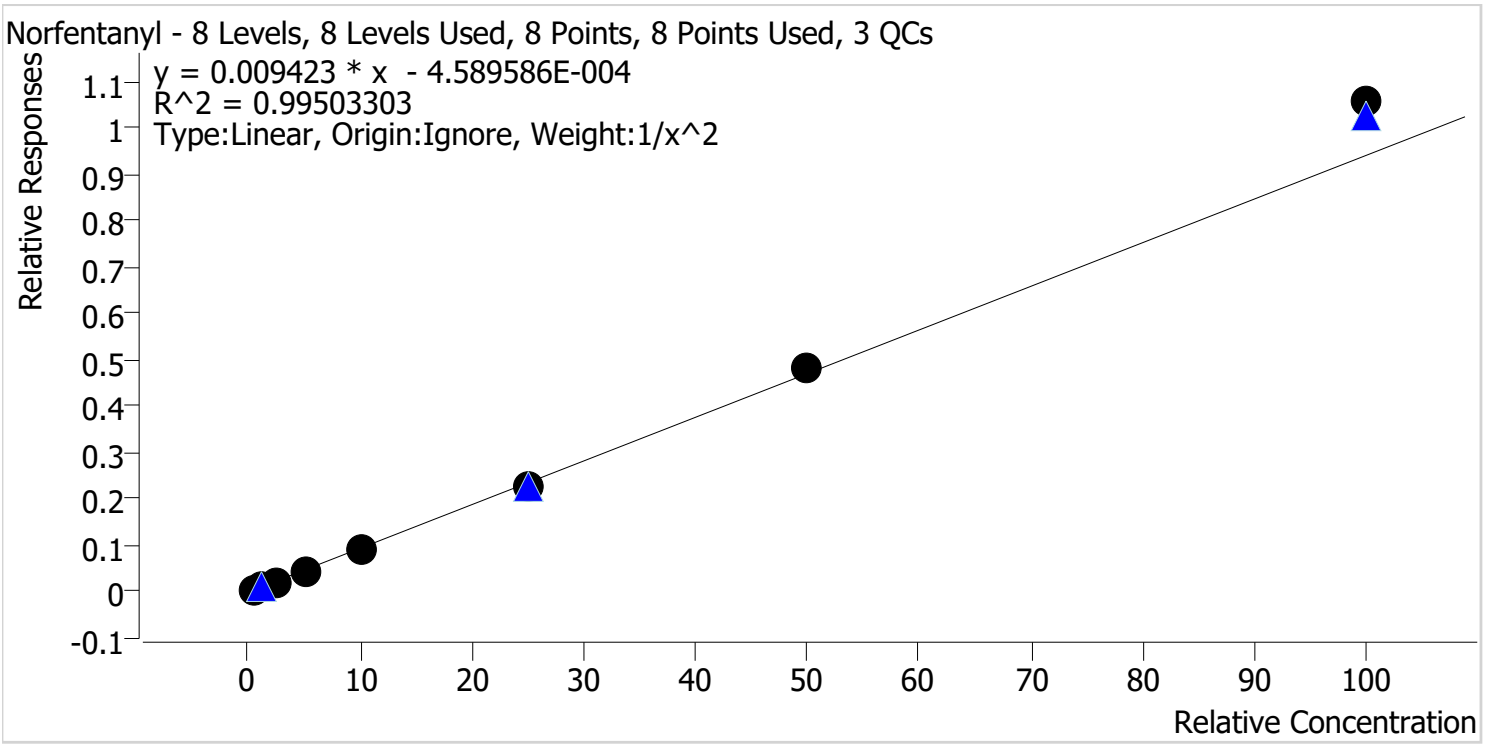
Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Norbuprenorphine
Internal Standard	Norbuprenorphine-D3



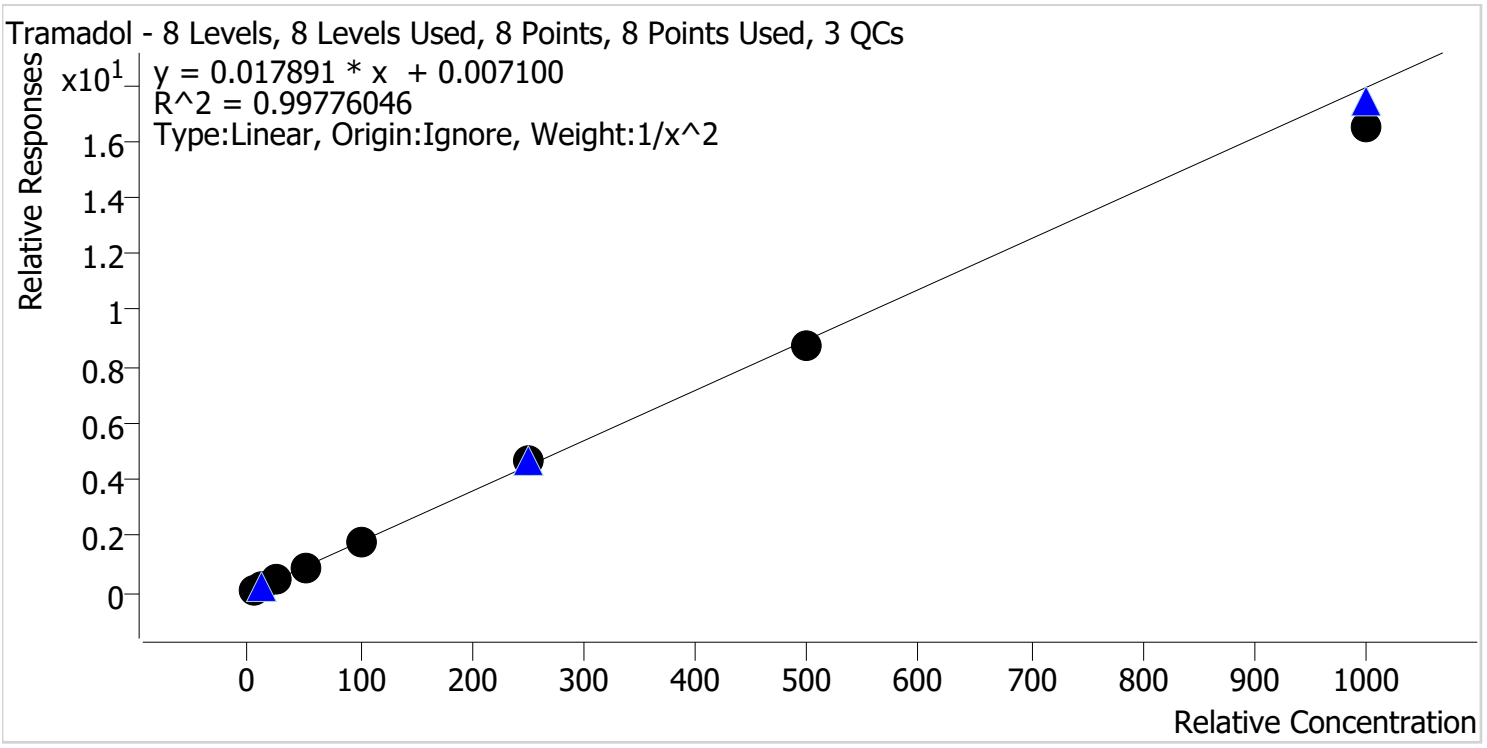
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	0.5	0.5	105.3
cal 2 mdq	2	✔	1.0	0.9	91.0
cal 3 mdq	3	✔	2.5	2.6	103.8
cal 4 mdq	4	✔	5.0	5.1	102.8
cal 5 mdq	5	✔	10.0	9.6	96.1
cal 6 mdq	6	✔	25.0	25.2	100.7
cal 7 mdq	7	✔	50.0	50.4	100.7
cal 8 mdq	8	✔	100.0	99.7	99.7

Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 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	100.3
cal 2 mdq	2	✔	1.0	1.0	103.1
cal 3 mdq	3	✔	2.5	2.4	95.1
cal 4 mdq	4	✔	5.0	4.7	93.2
cal 5 mdq	5	✔	10.0	9.6	95.8
cal 6 mdq	6	✔	25.0	24.4	97.5
cal 7 mdq	7	✔	50.0	51.4	102.7
cal 8 mdq	8	✔	100.0	112.3	112.3

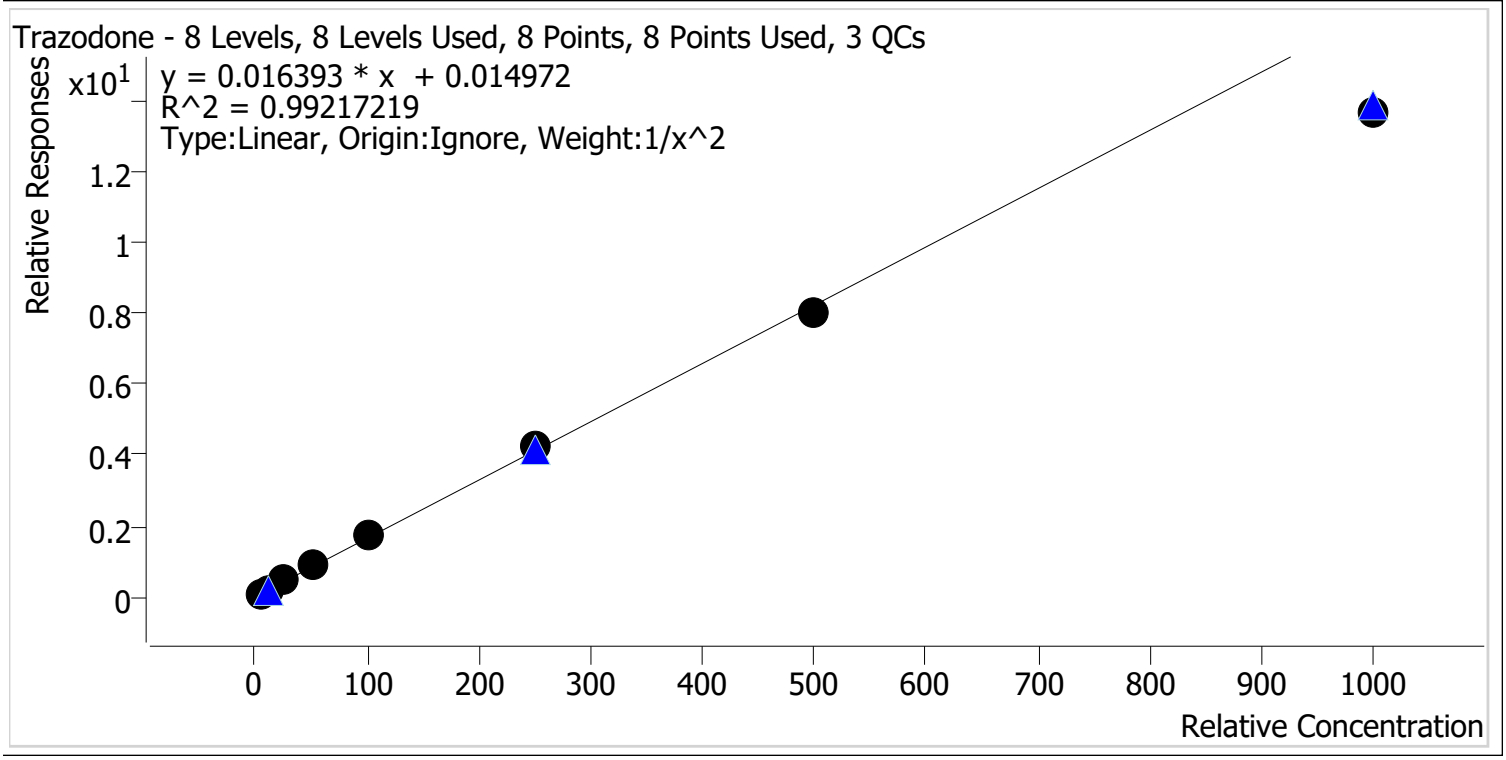
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Tramadol
Internal Standard	Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.5
cal 2 mdq	2	✔	10.0	10.1	101.4
cal 3 mdq	3	✔	25.0	25.7	102.6
cal 4 mdq	4	✔	50.0	51.1	102.3
cal 5 mdq	5	✔	100.0	101.3	101.3
cal 6 mdq	6	✔	250.0	262.5	105.0
cal 7 mdq	7	✔	500.0	485.6	97.1
cal 8 mdq	8	✔	1000.0	918.2	91.8

Compound Calibration Report

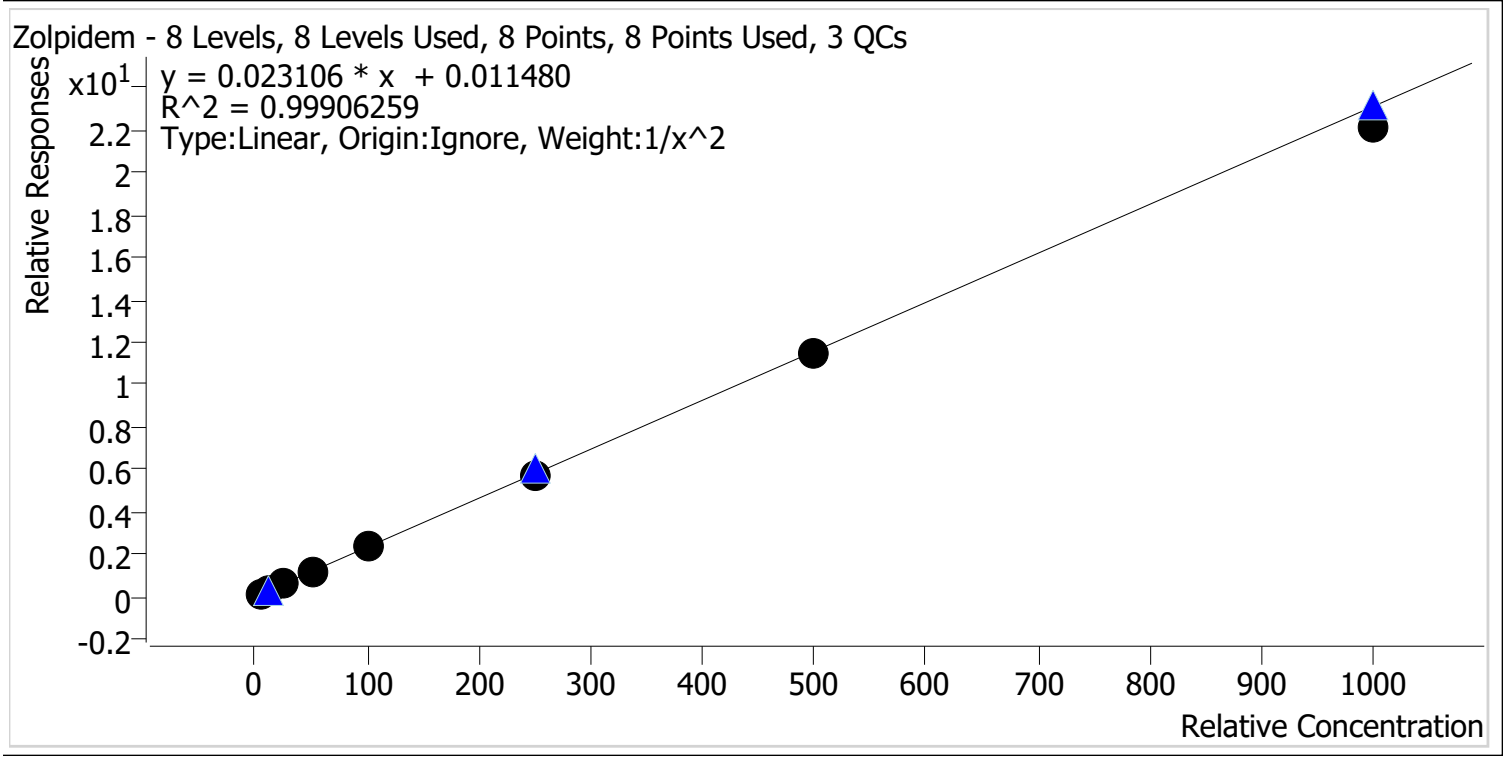
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Trazodone
Internal Standard	Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.7
cal 2 mdq	2	✔	10.0	10.3	102.5
cal 3 mdq	3	✔	25.0	26.4	105.5
cal 4 mdq	4	✔	50.0	53.7	107.5
cal 5 mdq	5	✔	100.0	104.3	104.3
cal 6 mdq	6	✔	250.0	257.1	102.8
cal 7 mdq	7	✔	500.0	486.8	97.4
cal 8 mdq	8	✔	1000.0	832.8	83.3

Compound Calibration Report

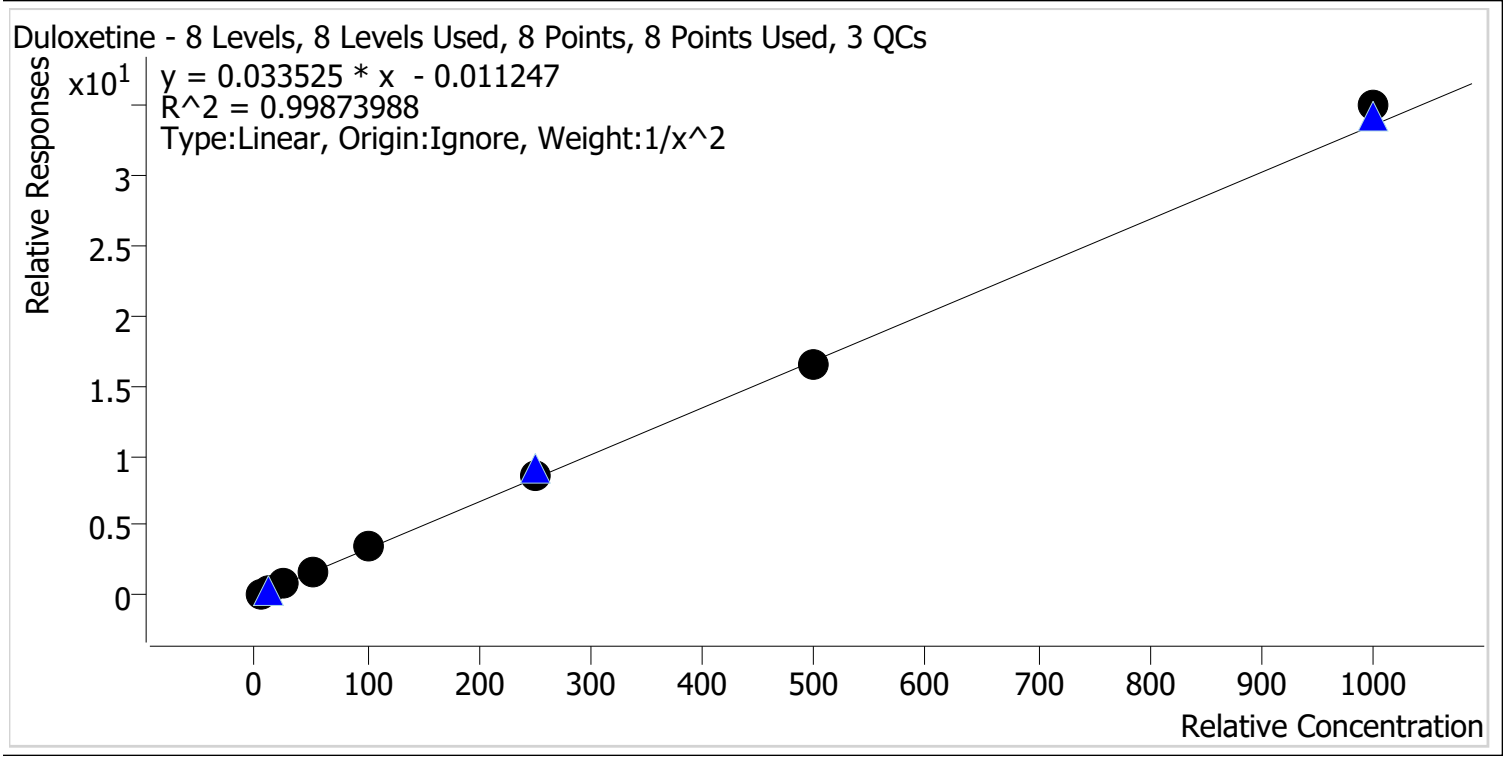
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Zolpidem
Internal Standard	Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.2
cal 2 mdq	2	✔	10.0	10.2	101.9
cal 3 mdq	3	✔	25.0	25.7	102.7
cal 4 mdq	4	✔	50.0	51.9	103.8
cal 5 mdq	5	✔	100.0	99.4	99.4
cal 6 mdq	6	✔	250.0	248.7	99.5
cal 7 mdq	7	✔	500.0	494.4	98.9
cal 8 mdq	8	✔	1000.0	956.6	95.7

Compound Calibration Report

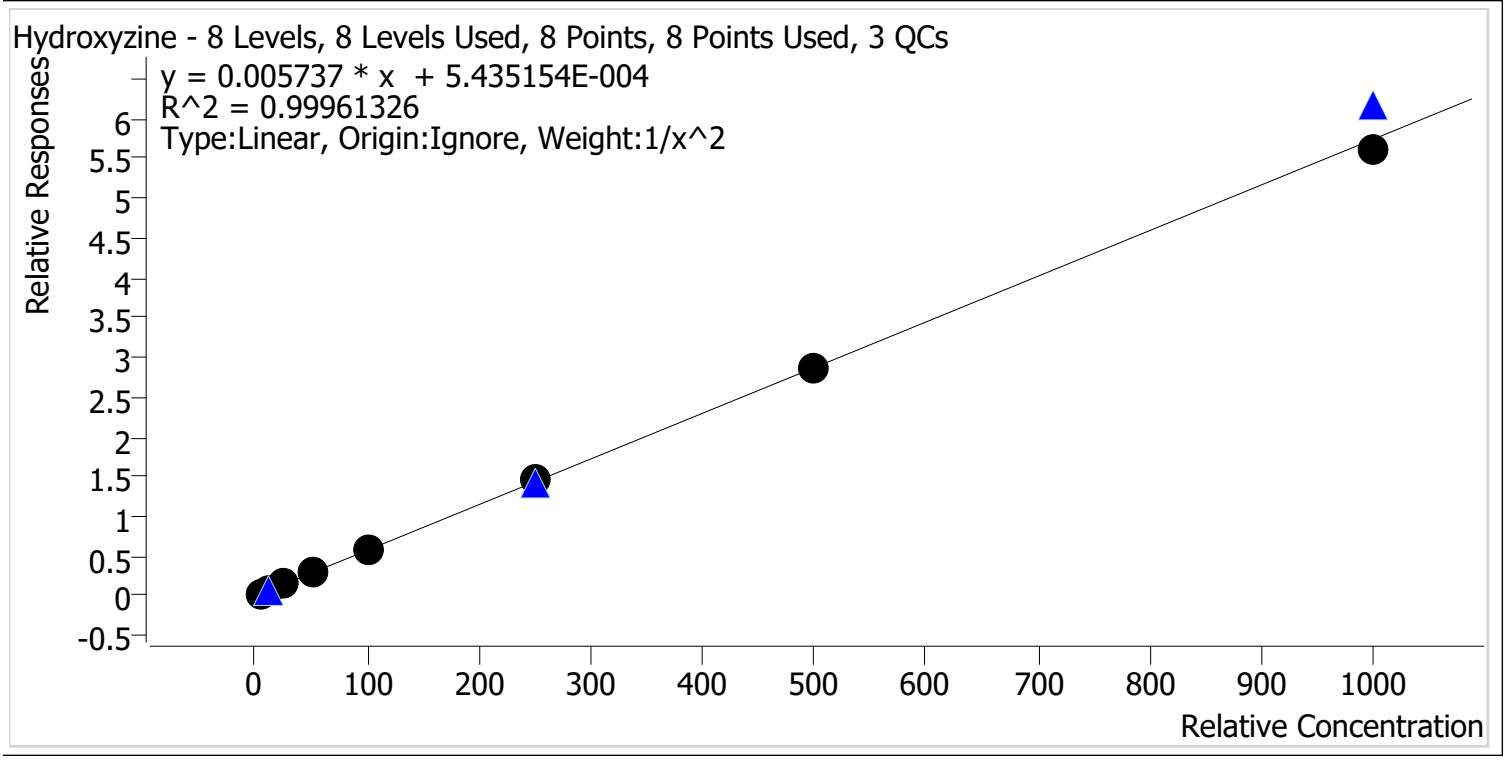
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Duloxetine
Internal Standard	Duloxetine-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	101.6
cal 2 mdq	2	✔	10.0	9.9	99.1
cal 3 mdq	3	✔	25.0	23.8	95.0
cal 4 mdq	4	✔	50.0	48.3	96.7
cal 5 mdq	5	✔	100.0	102.3	102.3
cal 6 mdq	6	✔	250.0	254.9	102.0
cal 7 mdq	7	✔	500.0	495.7	99.1
cal 8 mdq	8	✔	1000.0	1041.8	104.2

Compound Calibration Report

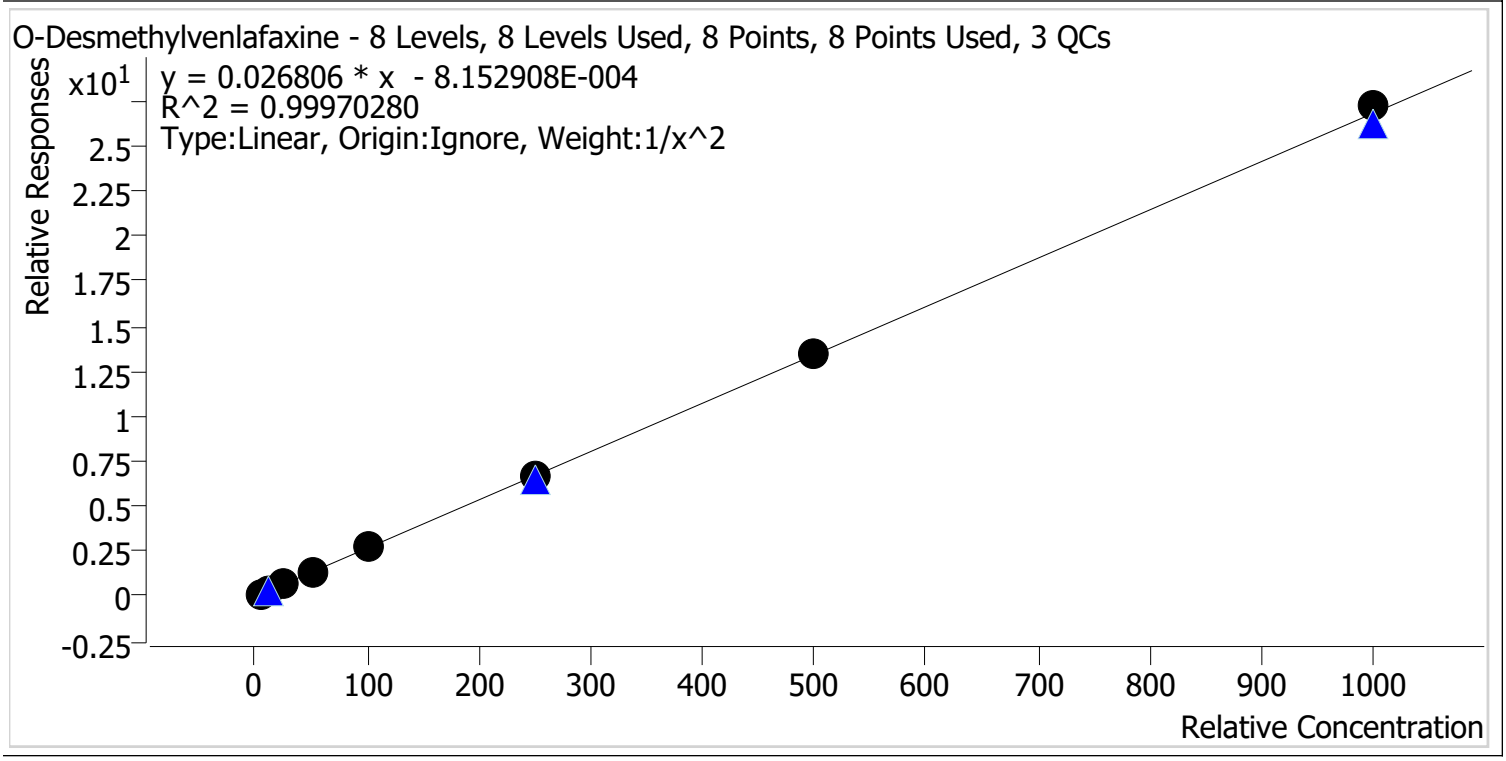
Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	Hydroxyzine
Internal Standard	Diphenhydramine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.7
cal 2 mdq	2	✔	10.0	10.1	101.3
cal 3 mdq	3	✔	25.0	24.6	98.4
cal 4 mdq	4	✔	50.0	49.8	99.6
cal 5 mdq	5	✔	100.0	99.8	99.8
cal 6 mdq	6	✔	250.0	257.9	103.2
cal 7 mdq	7	✔	500.0	502.3	100.5
cal 8 mdq	8	✔	1000.0	976.7	97.7

Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Last Cal. Update	9/12/2024 10:40 AM
Analyst Name	ISP\datastor
Analyte	O-Desmethylvenlafaxine
Internal Standard	O-Desmethylvenlafaxine-d6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	101.5
cal 2 mdq	2	✔	10.0	9.7	97.3
cal 3 mdq	3	✔	25.0	24.7	98.8
cal 4 mdq	4	✔	50.0	50.2	100.5
cal 5 mdq	5	✔	100.0	101.3	101.3
cal 6 mdq	6	✔	250.0	248.1	99.2
cal 7 mdq	7	✔	500.0	499.5	99.9
cal 8 mdq	8	✔	1000.0	1015.2	101.5

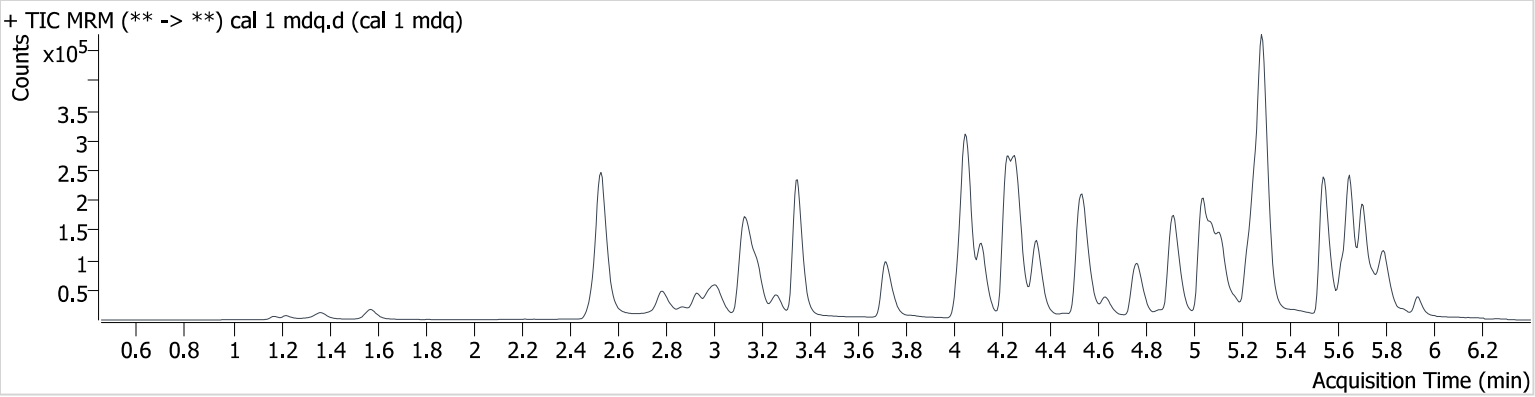
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-A1
Injection Volume 2
Acq. Date-Time 9/11/2024 11:59:15 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	4.244	5495	∞	104.03	18386.8	46795	4.944	ng/ml
Amphetamine	3.013	25219	729.5	248.69	1238.5	117545	4.794	ng/ml
Clonazepam	5.587	1784	3108.1	28.39	1680.7	4905	5.409	ng/ml
Cyclobenzaprine	5.615	33405	10626.2	9.86	571.4	187875	5.028	ng/ml
Dextromethorphan	5.264	22011	234119.8	77.15	42054.6	196231	4.904	ng/ml
Duloxetine	5.640	5202	175.8	11.40	20.9	32702	5.080	ng/ml
EDDP	5.259	36856	5512.1	41.82	5831.5	325490	4.986	ng/ml
Fentanyl	5.086	3415	597.7	122.10	894.8	297892	0.518	ng/ml
Fluoxetine	5.702	33751	1642.9	7.29	2119.5	235969	5.070	ng/ml
Hydroxyzine	5.706	26292	2425.7	131.79	327.7	902531	4.983	ng/ml
Ketamine	4.037	24531	2930.1	38.99	435.4	205159	4.843	ng/ml
Methadone	5.650	52473	3029.8	52.44	1545.8	402763	5.119	ng/ml
Methamphetamine	3.186	78356	3169.9	37.09	20853.0	414414	4.897	ng/ml
Mitragynine	5.230	12129	13439.3	31.60	20718.4	649115	4.944	ng/ml
Morphine	1.176	1602	364.0	18.19	62.9	3422	5.034	ng/ml
Norbuprenorphine	4.992	270	767.3	91.14	∞	5761	0.526	ng/ml
Norfentanyl	4.073	1820	284.8	34.40	104.9	426761	0.501	ng/ml
O-Desmethylvenlafaxine	4.061	18592	201.8	541.05	3007.7	137509	5.074	ng/ml
Tramadol	4.230	58536	25359.6	4.16	69.2	615031	4.923	ng/ml
Trazodone	5.168	27663	4901.4	133.56	4654.1	293495	4.836	ng/ml
Zolpidem	4.932	56517	4465.0	29.33	∞	452379	4.910	ng/ml

AM #28 Multi-Drug Quant. Results

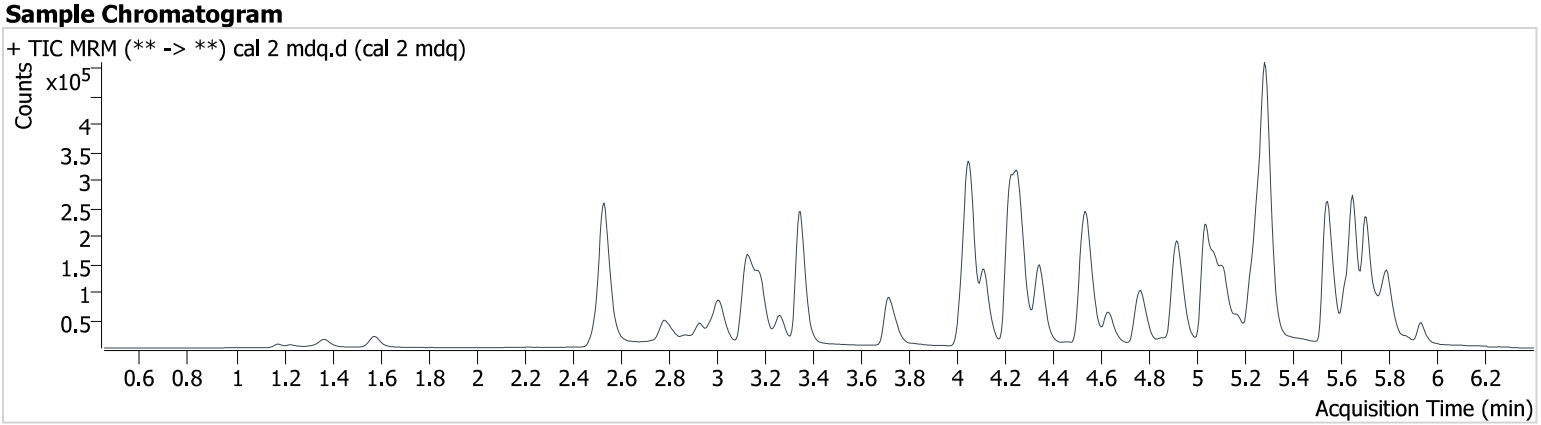
Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-B1
Injection Volume 2
Acq. Date-Time 9/11/2024 12:08:05 PM
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	4.244	10700	42521.6	112.22	51989.7	49179	9.907	ng/ml
Amphetamine	3.013	46474	2053.3	250.44	7309.6	112113	10.484	ng/ml
Clonazepam	5.592	2727	2874.8	36.40	2312.7	5203	8.435	ng/ml
Cyclobenzaprine	5.620	65512	10003.6	9.88	6730.3	185507	9.819	ng/ml
Dextromethorphan	5.264	44210	2113311.3	74.34	2349884.6	187098	10.239	ng/ml
Duloxetine	5.640	10434	731.4	13.49	51.5	32499	9.912	ng/ml
EDDP	5.259	68775	4742.2	42.92	∞	301367	10.031	ng/ml
Fentanyl	5.091	6326	707.1	134.36	4084.0	306002	0.950	ng/ml
Fluoxetine	5.702	64879	26256.5	7.36	4126.8	237407	9.753	ng/ml
Hydroxyzine	5.706	51675	∞	125.59	8109.2	880554	10.134	ng/ml
Ketamine	4.037	45873	5098.1	39.15	2342.8	196442	10.268	ng/ml
Methadone	5.650	99577	2219.7	55.25	3516.1	393361	9.778	ng/ml
Methamphetamine	3.186	121335	1062.5	36.35	3049.8	396227	10.076	ng/ml
Mitragynine	5.230	23322	178683.8	31.94	∞	607544	10.173	ng/ml
Morphine	1.181	3015	744.9	18.22	170.7	3379	9.622	ng/ml
Norbuprenorphine	4.987	381	490.4	119.66	847.5	5437	0.910	ng/ml
Norfentanyl	4.068	3752	401.3	32.80	139.4	405200	1.031	ng/ml
O-Desmethylvenlafaxine	4.061	34272	948.9	539.26	6225.9	131824	9.729	ng/ml
Tramadol	4.230	111736	2220.5	4.02	406.4	592777	10.139	ng/ml
Trazodone	5.168	53495	6408.0	133.11	8090.6	292215	10.254	ng/ml
Zolpidem	4.932	107409	∞	28.69	1718.0	434916	10.192	ng/ml

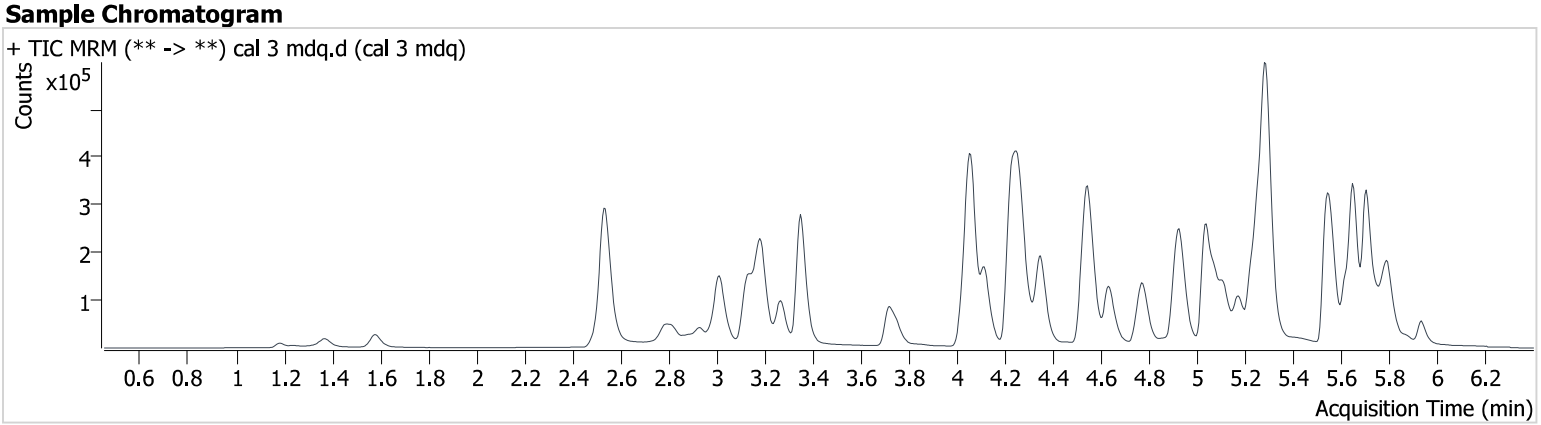
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-C1
Injection Volume 2
Acq. Date-Time 9/11/2024 12:16:49 PM
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	4.244	23860	46403.9	107.91	178502.5	42924	26.672	ng/ml
Amphetamine	3.013	96803	2165.6	252.93	7016.9	99440	26.386	ng/ml
Clonazepam	5.587	6780	13069.2	36.81	7806.9	4932	24.472	ng/ml
Cyclobenzaprine	5.620	145745	81795.0	11.09	1490.4	159600	25.120	ng/ml
Dextromethorphan	5.264	95564	∞	75.33	∞	159575	25.823	ng/ml
Duloxetine	5.645	24667	443.9	12.05	127.8	31411	23.760	ng/ml
EDDP	5.259	142922	14482.3	42.23	17637.7	245130	25.600	ng/ml
Fentanyl	5.091	14083	2209.5	133.23	1600.8	269080	2.436	ng/ml
Fluoxetine	5.702	150482	131351.6	7.01	∞	218400	24.703	ng/ml
Hydroxyzine	5.706	113135	886.1	133.65	19965.6	798680	24.595	ng/ml
Ketamine	4.037	99796	6630.0	39.63	3342.7	174743	26.341	ng/ml
Methadone	5.650	223857	355033.4	53.88	59480.6	356223	24.008	ng/ml
Methamphetamine	3.191	235424	16132.9	36.79	4185.7	353640	25.968	ng/ml
Mitragynine	5.230	51683	119446.8	30.98	∞	540985	25.339	ng/ml
Morphine	1.186	6999	1215.0	15.75	202.1	2863	26.417	ng/ml
Norbuprenorphine	4.992	831	2588.0	89.13	1900.0	4834	2.595	ng/ml
Norfentanyl	4.073	7825	872.6	28.70	418.5	356391	2.379	ng/ml
O-Desmethylvenlafaxine	4.061	76248	5170.0	530.32	15051.9	115291	24.703	ng/ml
Tramadol	4.230	246088	37608.5	3.95	622.1	528043	25.652	ng/ml
Trazodone	5.168	117494	11327.4	135.97	3255.6	262734	26.366	ng/ml
Zolpidem	4.932	233825	13763.4	29.50	∞	386832	25.664	ng/ml

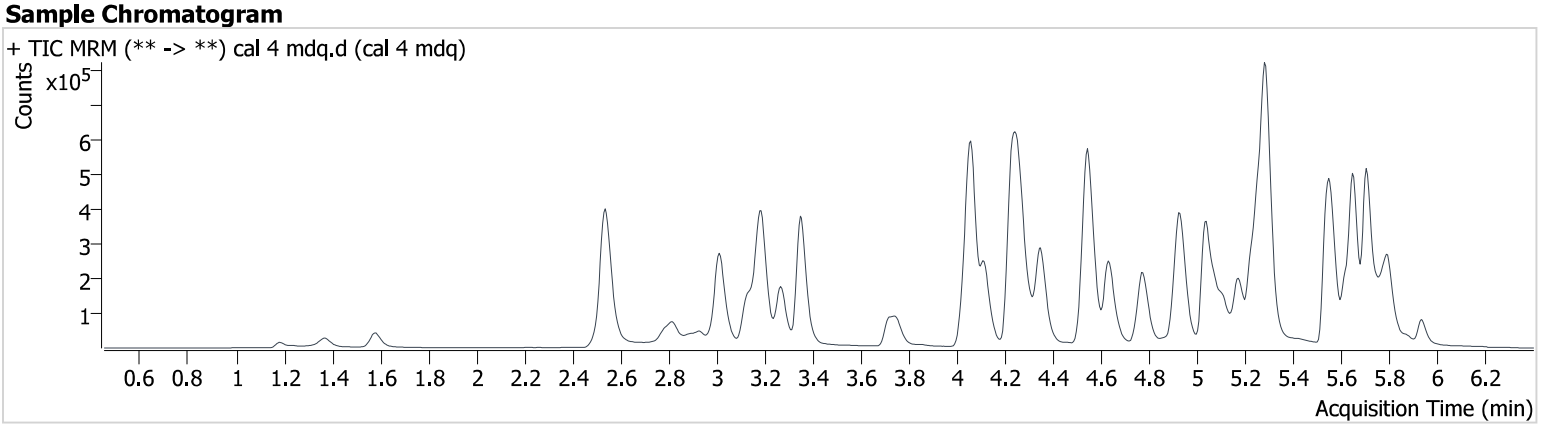
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-D1
Injection Volume 2
Acq. Date-Time 9/11/2024 12:25:32 PM
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	4.239	44402	∞	106.76	63731.3	41195	52.540	ng/ml
Amphetamine	3.013	189458	28220.8	248.55	30753.8	96170	54.739	ng/ml
Clonazepam	5.587	13325	62239.6	34.76	129899.8	4953	49.287	ng/ml
Cyclobenzaprine	5.620	285058	202592.4	10.04	18426.2	151617	51.540	ng/ml
Dextromethorphan	5.264	190835	434847.2	74.67	360840.0	162027	50.707	ng/ml
Duloxetine	5.645	48158	2751.5	11.69	249.2	29932	48.327	ng/ml
EDDP	5.254	257493	8044.0	42.65	69853.7	236831	47.723	ng/ml
Fentanyl	5.091	27326	3493.9	142.49	2942.8	271828	4.697	ng/ml
Fluoxetine	5.702	300769	2814472.2	6.77	63768.2	214522	50.341	ng/ml
Hydroxyzine	5.706	220056	9175.0	134.87	22991.8	768843	49.791	ng/ml
Ketamine	4.037	195938	15776.6	39.33	3108.9	170845	53.755	ng/ml
Methadone	5.650	440351	33784.6	54.46	35270.4	348220	48.130	ng/ml
Methamphetamine	3.191	459097	6150.4	36.25	5891.7	354247	53.831	ng/ml
Mitragynine	5.230	101603	148181.9	32.38	222970.1	535036	50.381	ng/ml
Morphine	1.186	13573	2183.9	16.12	532.6	3000	48.907	ng/ml
Norbuprenorphine	4.997	1607	3262.7	88.43	4338.3	4936	5.138	ng/ml
Norfentanyl	4.073	15101	6966.3	31.41	848.8	347714	4.658	ng/ml
O-Desmethylvenlafaxine	4.061	151901	5733.4	522.66	20797.4	112851	50.245	ng/ml
Tramadol	4.230	485868	7318.9	4.07	5387.7	526884	51.146	ng/ml
Trazodone	5.168	231576	35660.9	137.38	32281.4	258509	53.733	ng/ml
Zolpidem	4.932	471191	171397.3	29.87	∞	389043	51.921	ng/ml

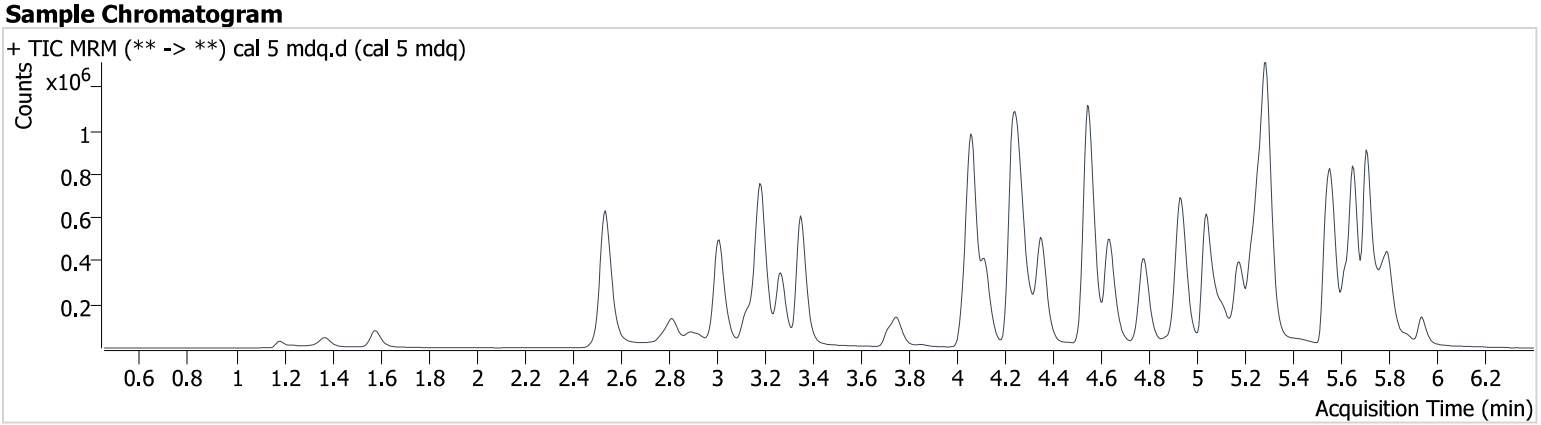
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-E1
Injection Volume 2
Acq. Date-Time 9/11/2024 12:34:14 PM
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	4.244	80009	∞	108.33	47016.8	40326	97.449	ng/ml
Amphetamine	3.013	357213	54165.7	262.01	1794.0	102052	98.275	ng/ml
Clonazepam	5.587	26473	∞	31.53	20012.4	4713	104.471	ng/ml
Cyclobenzaprine	5.620	565884	357490.2	11.00	27899.0	155185	99.802	ng/ml
Dextromethorphan	5.264	376294	∞	76.04	648719.4	162662	99.517	ng/ml
Duloxetine	5.645	99229	7533.8	10.97	159.2	29030	102.296	ng/ml
EDDP	5.259	566585	52616.8	42.47	8384.4	242067	102.717	ng/ml
Fentanyl	5.091	60183	6269.1	135.64	7474.2	279768	10.075	ng/ml
Fluoxetine	5.702	571662	∞	7.37	107482.9	208293	98.614	ng/ml
Hydroxyzine	5.706	445255	4889.3	136.74	88785.7	777227	99.755	ng/ml
Ketamine	4.037	395340	60675.1	40.26	9513.7	180314	103.540	ng/ml
Methadone	5.650	910613	2124372.7	54.38	99341.7	359243	96.295	ng/ml
Methamphetamine	3.186	926727	43746.3	36.70	27535.7	371584	106.792	ng/ml
Mitragynine	5.230	198964	345577.7	34.35	133036.7	538937	97.958	ng/ml
Morphine	1.181	29676	3578.6	16.64	967.0	3054	105.087	ng/ml
Norbuprenorphine	4.992	3050	8086.9	107.07	5211.4	5122	9.606	ng/ml
Norfentanyl	4.073	29920	2314.0	31.48	1908.0	333024	9.583	ng/ml
O-Desmethylvenlafaxine	4.061	302936	11869.3	525.14	54215.0	111647	101.253	ng/ml
Tramadol	4.235	1006522	430307.6	3.92	784.1	553121	101.314	ng/ml
Trazodone	5.173	475799	51496.7	139.13	73946.2	275802	104.323	ng/ml
Zolpidem	4.932	940747	242257.3	30.82	9980.1	407753	99.355	ng/ml

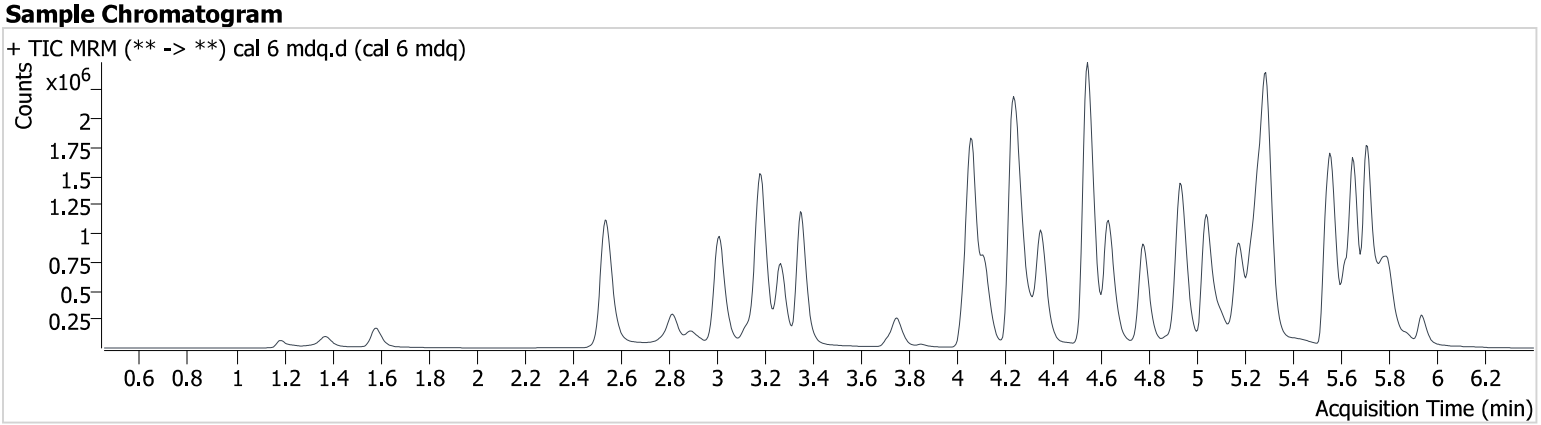
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-F1
Injection Volume 2
Acq. Date-Time 9/11/2024 12:42:54 PM
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	4.239	144635	24506.2	106.12	∞	30773	232.052	ng/ml
Amphetamine	3.013	716683	35022.0	261.08	110684.4	94294	214.927	ng/ml
Clonazepam	5.587	58585	∞	37.19	32300.8	4692	233.984	ng/ml
Cyclobenzaprine	5.620	1272528	190538.3	10.95	57183.6	142164	244.739	ng/ml
Dextromethorphan	5.264	807494	192647.0	76.91	6934733.6	137802	251.955	ng/ml
Duloxetine	5.645	203178	2952.8	11.33	2235.8	23803	254.945	ng/ml
EDDP	5.259	1279790	271272.0	44.57	∞	231320	242.771	ng/ml
Fentanyl	5.091	146495	162407.3	138.60	15245.0	272113	25.245	ng/ml
Fluoxetine	5.702	1248313	9484325.2	7.21	∞	172910	259.524	ng/ml
Hydroxyzine	5.706	975984	87714.6	136.57	70828.7	659337	257.905	ng/ml
Ketamine	4.032	849054	1517476.2	39.94	26632.5	166723	241.619	ng/ml
Methadone	5.650	2152448	12959399.3	50.93	4830136.4	327834	249.138	ng/ml
Methamphetamine	3.186	2024639	100662.7	36.35	63641.1	361932	243.836	ng/ml
Mitragynine	5.230	460119	839053.5	34.16	208574.8	480786	253.959	ng/ml
Morphine	1.186	70705	10296.1	16.98	1735.7	2896	263.996	ng/ml
Norbuprenorphine	4.987	7519	∞	103.79	16523.8	4895	25.172	ng/ml
Norfentanyl	4.073	61124	5713.1	31.55	1953.2	266774	24.363	ng/ml
O-Desmethylvenlafaxine	4.061	647424	4886.5	532.36	89210.5	97358	248.108	ng/ml
Tramadol	4.230	2299150	∞	4.03	5443.1	488814	262.502	ng/ml
Trazodone	5.168	1122806	135895.8	136.43	151358.1	265489	257.075	ng/ml
Zolpidem	4.932	2193939	167393.7	30.82	76294.9	381024	248.705	ng/ml

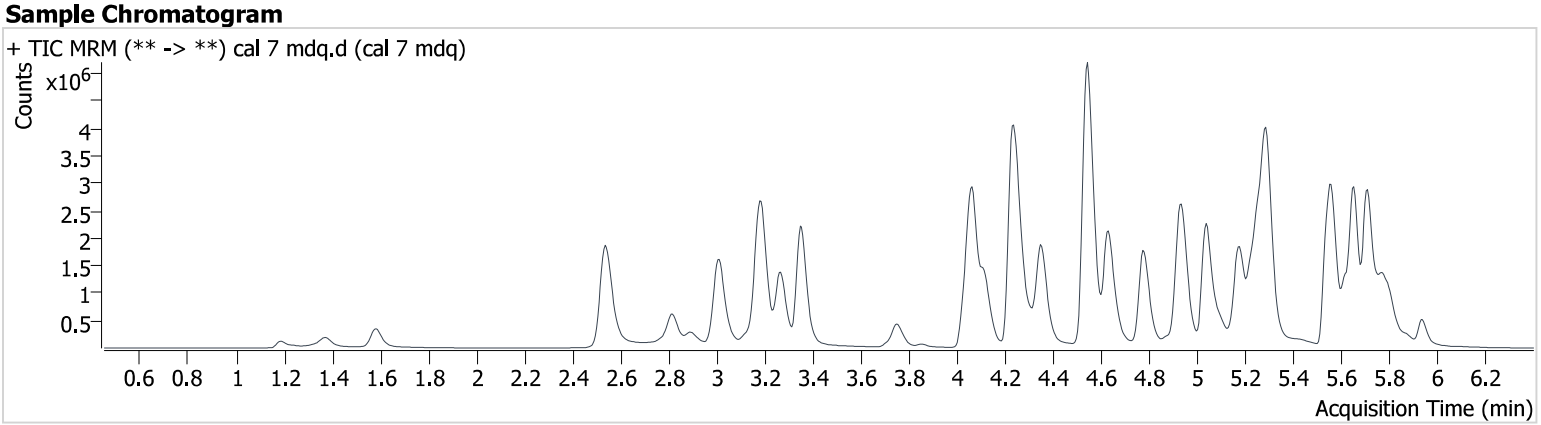
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-G1
Injection Volume 2
Acq. Date-Time 9/11/2024 12:51:34 PM
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	4.239	201074	19676.6	108.18	37391.2	26654	372.985	ng/ml
Amphetamine	3.013	1209632	15681.4	256.87	15270.6	99850	343.352	ng/ml
Clonazepam	5.587	122363	36185.6	34.36	211872.9	4133	556.840	ng/ml
Cyclobenzaprine	5.620	2363391	229692.4	10.67	63516.4	129550	498.621	ng/ml
Dextromethorphan	5.264	1338916	769946.9	78.98	151832.6	122826	468.639	ng/ml
Duloxetine	5.645	322913	∞	11.43	2217.4	19445	495.689	ng/ml
EDDP	5.259	2480845	72185.8	42.40	26399.2	209335	520.011	ng/ml
Fentanyl	5.091	307860	25690.4	138.31	44003.9	286556	50.398	ng/ml
Fluoxetine	5.707	1973372	75318.2	7.07	63554.1	140749	504.078	ng/ml
Hydroxyzine	5.706	1786669	246723.5	131.56	195436.9	619844	502.301	ng/ml
Ketamine	4.032	1538236	128453.4	39.91	63147.4	167255	437.038	ng/ml
Methadone	5.650	4249762	132580.3	50.50	85971.2	307863	523.606	ng/ml
Methamphetamine	3.186	3983448	21972.2	36.72	273064.3	408876	427.231	ng/ml
Mitragynine	5.230	842146	262952.9	34.94	∞	451964	494.471	ng/ml
Morphine	1.186	144050	12308.4	17.06	4070.8	3220	483.769	ng/ml
Norbuprenorphine	4.992	15385	25861.0	96.38	54865.6	5032	50.350	ng/ml
Norfentanyl	4.073	96792	8545.0	32.21	3959.5	200204	51.355	ng/ml
O-Desmethylvenlafaxine	4.061	1137892	32682.3	534.38	156065.8	84990	499.497	ng/ml
Tramadol	4.230	4481075	11393.6	3.88	16200.5	515352	485.611	ng/ml
Trazodone	5.173	2295885	835773.8	135.61	423234.8	287134	486.847	ng/ml
Zolpidem	4.938	4549886	129413.6	31.03	66011.0	397856	494.445	ng/ml

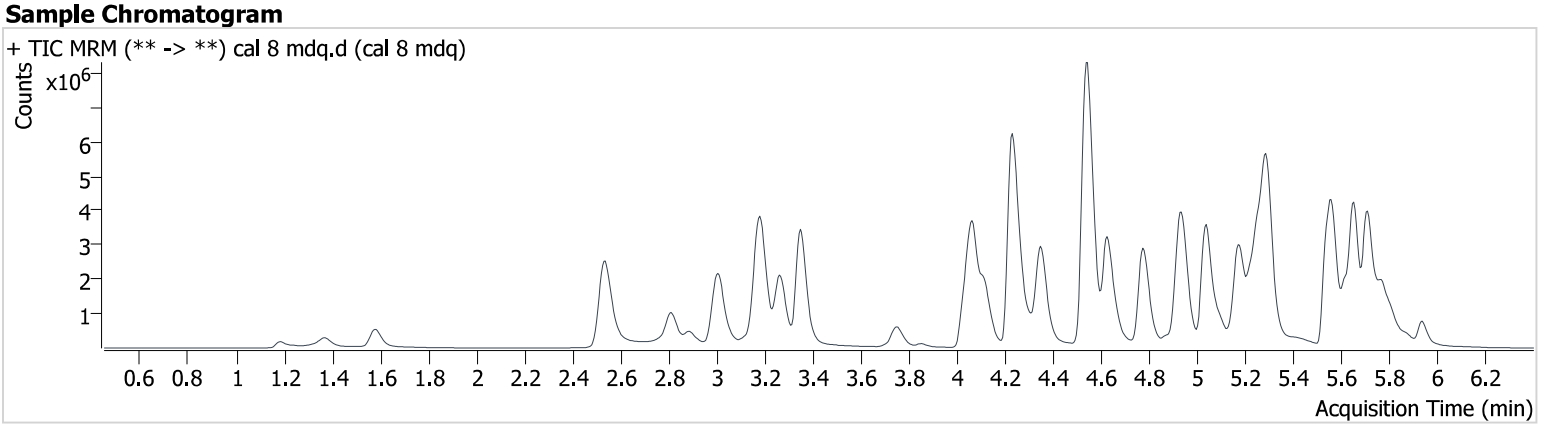
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\091124\QuantResults\am 28.batch.bin
Calibration Last Update 9/12/2024 10:40:21 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-H1
Injection Volume 2
Acq. Date-Time 9/11/2024 1:08:55 PM
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	4.233	206955	∞	107.16	2774863.5	17635	580.702	ng/ml
Amphetamine	3.007	1681005	96387.7	252.77	16861.4	92665	514.801	ng/ml
Clonazepam	5.587	187971	8692.5	32.76	43334.3	3485	1015.810	ng/ml
Cyclobenzaprine	5.620	3519373	479003.6	10.49	92626.9	95911	1002.749	ng/ml
Dextromethorphan	5.264	1997943	1111072.1	75.20	115698.6	85200	1008.034	ng/ml
Duloxetine	5.645	398473	13124.2	10.81	∞	11413	1041.770	ng/ml
EDDP	5.254	4091389	62788.8	42.81	28323.4	182612	983.083	ng/ml
Fentanyl	5.091	582413	337363.3	139.53	125893.9	253995	107.589	ng/ml
Fluoxetine	5.702	2723172	178024.5	7.07	76879.4	99568	983.381	ng/ml
Hydroxyzine	5.706	2568606	299411.4	128.89	129445.1	458323	976.716	ng/ml
Ketamine	4.026	2179730	215150.0	40.21	21615.0	140154	739.631	ng/ml
Methadone	5.650	6705534	144234.0	50.91	294853.3	237961	1068.685	ng/ml
Methamphetamine	3.181	6068106	691389.1	37.04	646254.7	389631	685.032	ng/ml
Mitragynine	5.224	1287745	1325008.4	35.93	14122290.4	345730	988.455	ng/ml
Morphine	1.186	229629	20083.8	16.79	1598.0	2694	921.806	ng/ml
Norbuprenorphine	4.992	26222	14574.0	101.31	198440.8	4342	99.702	ng/ml
Norfentanyl	4.078	124903	16999.6	32.24	5229.2	118063	112.317	ng/ml
O-Desmethylvenlafaxine	4.066	1538164	1206355.1	533.02	51481.4	56522	1015.241	ng/ml
Tramadol	4.225	7346423	∞	3.68	22522.6	447030	918.156	ng/ml
Trazodone	5.168	3749155	375865.2	136.19	2633010.3	274327	832.781	ng/ml
Zolpidem	4.932	7432073	330734.8	30.79	286770.9	336075	956.592	ng/ml