10/3/2024

REVIEWED
By Britany Wylie at 11:55 am, Oct 03, 2024

Worklist: 6946

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
C2024-1695	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1704	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1713	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1870	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1884	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1893	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1909	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1919	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1927	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2024-1934	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 10/1/24
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:
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: *Blood only run, Mikel Buffaloe Performed Hands of the Analyst.*

Compounds evaluated 500 10/3/24	*limitations*
7-aminoclonazepam	5-~~250~~ cal ~~7 and~~ 8 dropped due to accuracy
Alprazolam	
Amphetamine	5-250 cal 7 and 8 dropped due to accuracy
Benzoylecgonine	
Bromazolam	
Citalopram	
Clonazepam	
Diazepam	
Diphenhydramine	

Duloxetine	Not Evaluated, due to poor response at bottom of curve
EDDP	
Hydroxyzine	
Lorazepam	25-1000 cal 1&2 dropped for poor peak shape
Methadone	
Methamphetamine	5-500 cal 8 dropped due to accuracy
Metoprolol	5-500 cal 8 dropped due to accuracy
Mitragynine	
Norbuprenorphine	2.5-100 cal 1 and 2 dropped due to poor peak shape
Nordiazepam	
O-Desmethyltramadol	
Oxazepam	
Temazepam	
Tramadol	
Trazodone	

	1	2	3	4	5	6	7	8	9	10	11	12
A					IS + Cal. 1	IS + QC_1	1713-1					
B					IS + Cal. 2	IS + QC_2	1919-1					
C					IS + Cal. 3	IS + QC 3	1870-2					
D					IS + Cal. 4	IS + QC_4	1884-1					
E					IS + Cal. 5		1934-1					
F					IS + Cal. 6	neg blood	1893-1					
G					IS + Cal. 7	1695-1	1704-1					
H					IS + Cal. 8	1909-2	1927-1					

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plate position 2

c2024-____-_

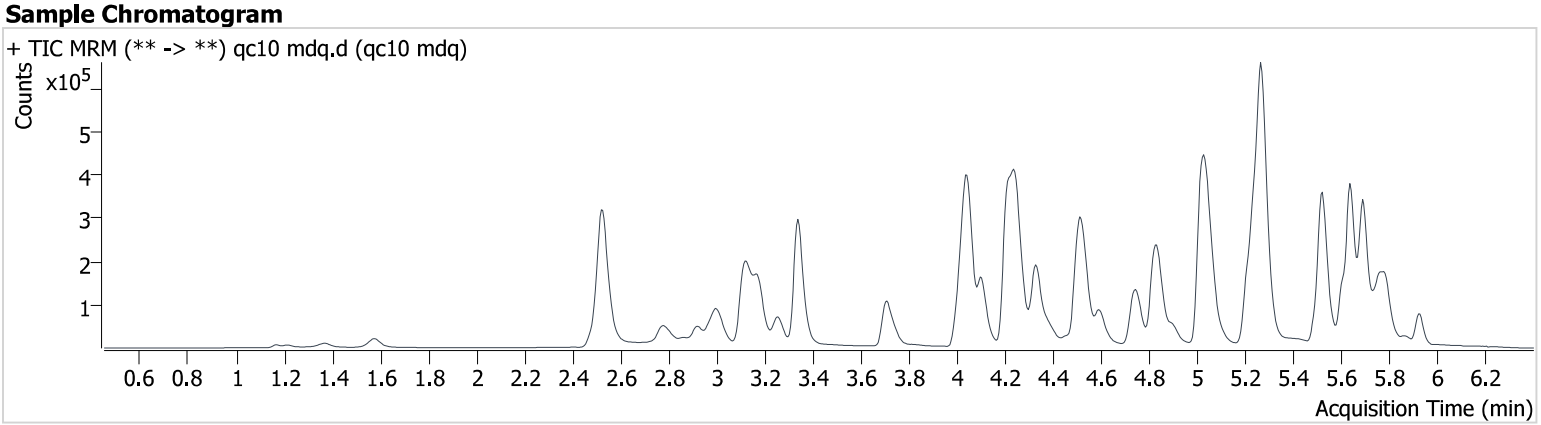
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-A6
Injection Volume 2
Acq. Date-Time 10/1/2024 1:16:31 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	4.233	12663	∞	106.93		19653.9	56869	10.712	ng/ml
Alprazolam	5.744	37516	1054.9	90.26		3838.8	129278	10.106	ng/ml
Amphetamine	3.002	45082	8110.1	265.96		8528.0	130478	10.084	ng/ml
Benzoylecgonine	3.850	1327	323.8	44.70		101.0	4532	9.107	ng/ml
Bromazolam	5.784	27504	866.4	97.21		484.9	62268	9.445	ng/ml
Citalopram	5.210	74599	2089.7	40.74		44174.2	351079	9.471	ng/ml
Clonazepam	5.582	4626	978.7	30.06		115996.4	8287	10.598	ng/ml
Diazepam	5.926	23985	15554.0	92.84		41830.0	111543	9.013	ng/ml
Diphenhydramine	5.270	70628	1591.6	315.79		8039.5	1153239	9.508	ng/ml
Duloxetine	5.635	18684	367.7	9.18		136.8	47945	12.447	ng/ml
EDDP	5.238	88230	12082.2	43.96		7786.4	403718	9.638	ng/ml
Hydroxyzine	5.679	67790	18380.1	140.14		9731.6	1153239	10.051	ng/ml
Lorazepam	5.717	1729	87.7	33.46	Low	10.8	8790	9.752	ng/ml
Methadone	5.639	117942	109182.0	58.95		14068.8	535944	8.920	ng/ml
Methamphetamine	3.181	156148	1648.3	36.27		5121.8	504556	10.399	ng/ml
Metoprolol	4.300	19529	5682.1	95.10		∞	786533	10.827	ng/ml
Mitragynine	5.193	28741	8466.6	33.05		3025.4	535944	9.871	ng/ml
Norbuprenorphine	4.971	281	67.9	172.01	High	240.0	5829	0.631	ng/ml
Nordiazepam	5.870	5017	483.1	72.47		626.3	15934	9.040	ng/ml
O-desmethyl-tramadol	3.343	148529	5574.2	6.86		1382.9	663707	9.630	ng/ml
Oxazepam	5.729	1737	2798.7	75.15		75.9	8790	10.996	ng/ml
Temazepam	5.791	18564	3048.4	34.76		61.0	85805	8.872	ng/ml
Tramadol	4.220	140975	8219.5	3.85		378.7	739727	10.059	ng/ml
Trazodone	5.060	68656	16941.5	131.30		4235.9	378504	9.849	ng/ml

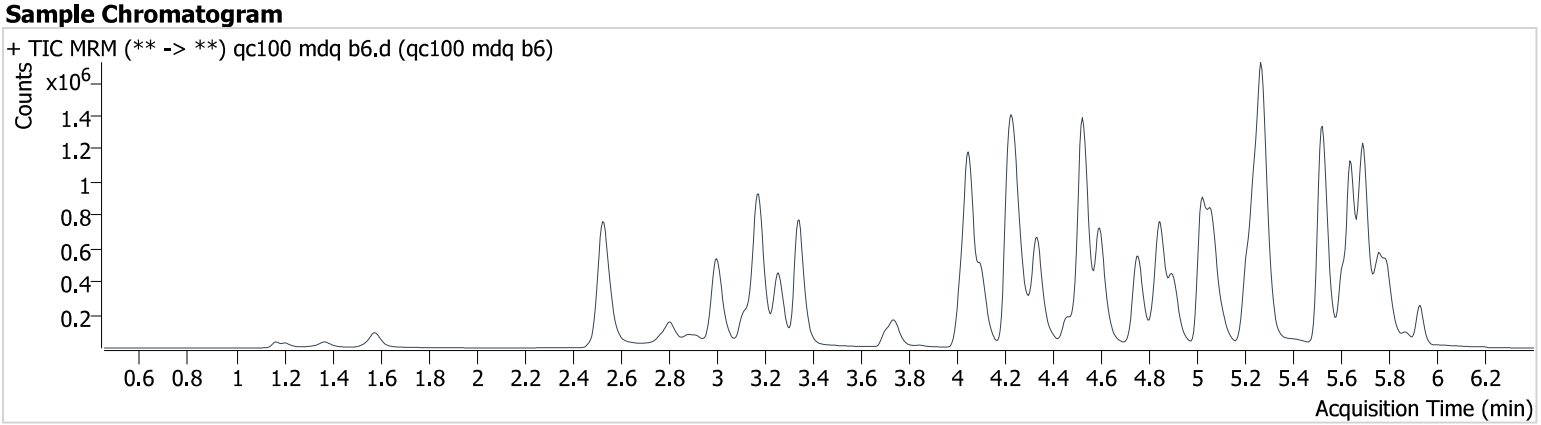
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-B6
Injection Volume 2
Acq. Date-Time 10/1/2024 3:26:54 PM
Sample Info.

Data File qc100 mdq b6.d
Sample qc100 mdq b6
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	4.228	84872	296755.0	107.99	∞	44748	103.488	ng/ml
Alprazolam	5.749	324416	∞	91.06	∞	112722	100.114	ng/ml
Amphetamine	3.002	373403	31651.9	263.85	411582.7	122361	100.217	ng/ml
Benzoylecgonine	3.845	13461	3099.7	43.43	664.7	4175	104.690	ng/ml
Bromazolam	5.784	230157	2686.5	94.19	6387.2	48746	103.851	ng/ml
Citalopram	5.210	695642	312591.1	41.65	∞	314441	97.943	ng/ml
Clonazepam	5.582	38592	36936.8	38.07	146807.3	7098	112.368	ng/ml
Diazepam	5.926	228316	8045.5	82.10	6441.7	98167	96.986	ng/ml
Diphenhydramine	5.270	632301	108520.3	327.65	419559.6	1020871	94.282	ng/ml
Duloxetine	5.630	129498	6075.4	10.66	199.5	37508	107.215	ng/ml
EDDP	5.238	798842	41170.4	43.05	∞	346704	100.750	ng/ml
Hydroxyzine	5.679	619968	84496.7	143.77	∞	1020871	97.526	ng/ml
Lorazepam	5.722	14236	2154.0	48.07	256.0	8569	91.405	ng/ml
Methadone	5.639	1210700	37343.8	55.39	102779.8	497494	94.829	ng/ml
Methamphetamine	3.176	1182444	45100.6	37.58	8827.6	495597	102.189	ng/ml
Metoprolol	4.300	151122	400752.5	96.04	∞	698326	105.238	ng/ml
Mitragynine	5.188	276990	16189.1	33.55	44346.6	497494	96.845	ng/ml
Norbuprenorphine	4.971	3267	532.0	106.25	1133.0	5952	9.492	ng/ml
Nordiazepam	5.870	48872	7096.6	65.50	6156.6	15113	93.941	ng/ml
O-desmethyl-tramadol	3.343	1469296	77535.4	6.64	21895.0	629690	101.559	ng/ml
Oxazepam	5.724	15825	∞	73.56	2966.1	8569	98.408	ng/ml
Temazepam	5.791	154724	33235.7	31.77	1283.6	65561	99.767	ng/ml
Tramadol	4.220	1291661	∞	3.92	∞	677466	105.334	ng/ml
Trazodone	5.060	645673	73185.4	128.12	53789.8	351356	94.604	ng/ml

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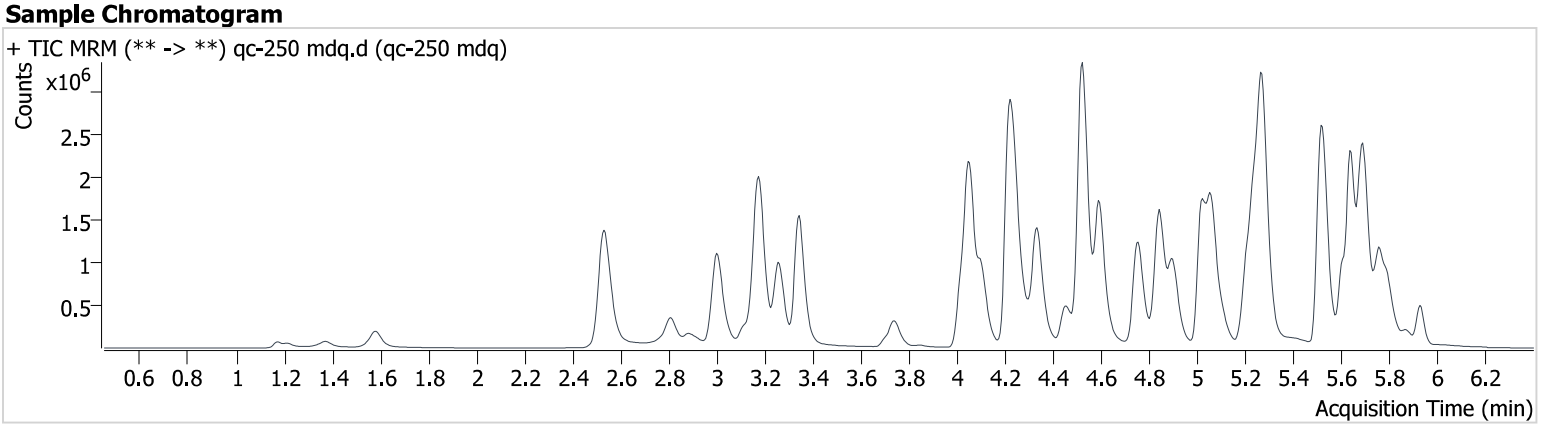
Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-C6
Injection Volume 2
Acq. Date-Time 10/1/2024 1:25:13 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	4.228	140878	61373.0	102.60	8232.6	33598	230.755	ng/ml
Alprazolam	5.749	709852	7600.6	94.21	∞	103751	237.985	ng/ml
Amphetamine	3.002	770658	20905.1	275.36	267560.9	121082	210.566	ng/ml
Benzoylecgonine	3.845	32902	4153.2	42.95	1823.1	4348	246.281	ng/ml
Bromazolam	5.789	444285	∞	90.51	1024.5	39020	250.861	ng/ml
Citalopram	5.210	1556064	118842.8	42.92	∞	288028	239.075	ng/ml
Clonazepam	5.582	101171	45401.7	34.23	1441622.5	7944	264.621	ng/ml
Diazepam	5.926	501583	36894.3	83.03	11955.2	84692	246.890	ng/ml
Diphenhydramine	5.270	1480942	126739.0	309.72	∞	903951	249.045	ng/ml
Duloxetine	5.635	268085	13128.3	11.56	270.6	32117	258.656	ng/ml
EDDP	5.238	1852624	409624.0	43.19	161864.1	330229	245.180	ng/ml
Hydroxyzine	5.674	1461298	178474.6	134.67	237302.0	903951	258.481	ng/ml
Lorazepam	5.722	37968	∞	48.31	948.8	7772	271.114	ng/ml
Methadone	5.639	3025027	186658.7	52.47	342178.6	502463	234.036	ng/ml
Methamphetamine	3.181	2826971	∞	36.39	∞	527291	233.720	ng/ml
Metoprolol	4.300	289702	14491408.0	100.19	∞	639216	221.940	ng/ml
Mitragynine	5.188	680985	88192.4	32.90	24058.3	502463	234.878	ng/ml
Norbuprenorphine	4.977	8683	1047.3	100.05	924.6	6128	24.852	ng/ml
Nordiazepam	5.870	120144	∞	61.94	8091.0	14435	241.971	ng/ml
O-desmethyl-tramadol	3.343	3614729	349052.4	6.44	28067.9	621463	253.343	ng/ml
Oxazepam	5.729	41064	1458.7	68.20	2627.0	7772	280.535	ng/ml
Temazepam	5.796	299042	45590.9	33.34	22082.4	48792	259.573	ng/ml
Tramadol	4.214	3047180	∞	3.97	∞	673160	250.801	ng/ml
Trazodone	5.060	1513926	204386.7	135.11	812028.1	328780	236.197	ng/ml

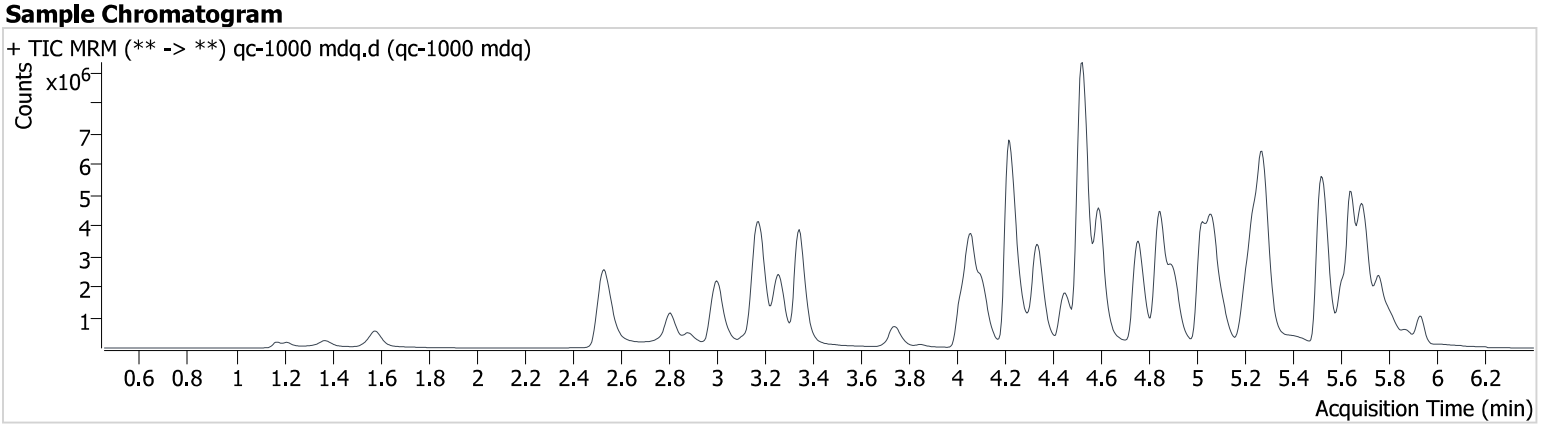
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-D6
Injection Volume 2
Acq. Date-Time 10/1/2024 1:33:56 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



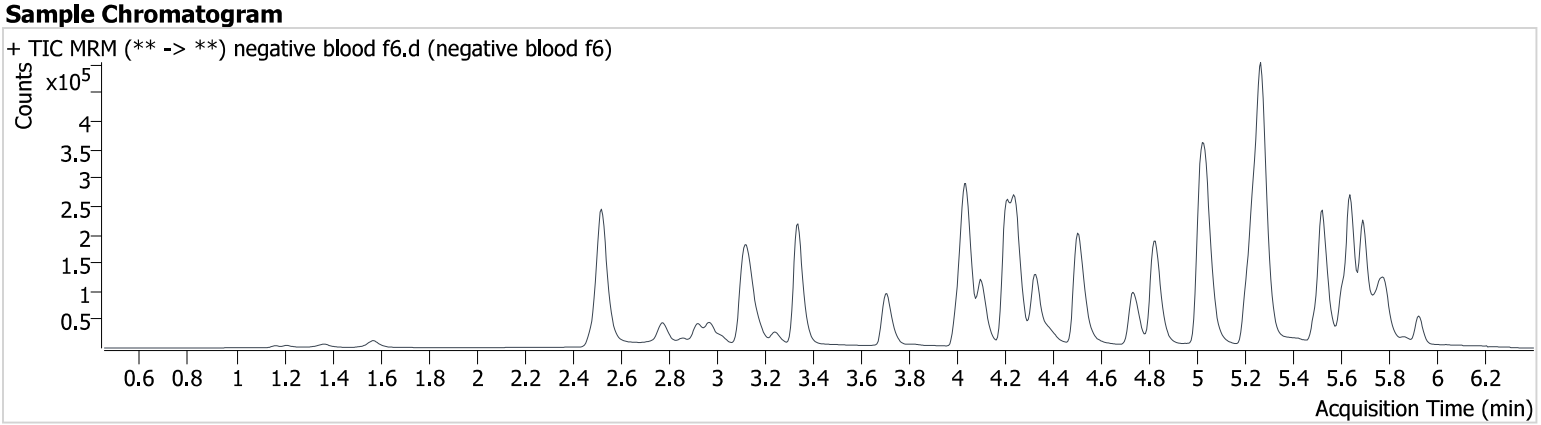
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.223	171031	23739.6	110.05	∞	15152	623.961	ng/ml
Alprazolam	5.749	1600619	∞	92.84	140868.5	58821	946.485	ng/ml
Amphetamine	3.002	1653363	108105.4	257.80	∞	103627	529.984	ng/ml
Benzoylecgonine	3.845	131501	25531.9	45.65	9786.5	4358	983.367	ng/ml
Bromazolam	5.784	815787	∞	90.24	∞	18876	953.024	ng/ml
Citalopram	5.205	3289124	1149837.1	44.40	245608.9	140416	1036.355	ng/ml
Clonazepam	5.582	247046	5359.1	35.03	600500.3	5654	910.366	ng/ml
Diazepam	5.931	1140668	19320.1	86.05	122878.3	50802	935.867	ng/ml
Diphenhydramine	5.275	3480908	74075.6	342.07	∞	561806	941.295	ng/ml
Duloxetine	5.635	392749	∞	10.94	162.9	11099	1095.273	ng/ml
EDDP	5.238	5810779	224242.4	43.48	227710.7	250869	1011.997	ng/ml
Hydroxyzine	5.674	3299533	918799.3	126.44	324457.2	561806	937.295	ng/ml
Lorazepam	5.722	131841	14940.4	44.73	9150.5	7840	936.276	ng/ml
Methadone	5.639	8552388	2114514.5	48.19	173287.0	328865	1009.688	ng/ml
Methamphetamine	3.176	7413426	672265.4	34.08	234128.3	488058	668.191	ng/ml
Metoprolol	4.300	588868	483687.7	98.78	∞	375281	771.884	ng/ml
Mitragynine	5.188	1865373	681319.6	34.22	909458.1	328865	981.092	ng/ml
Norbuprenorphine	4.971	28924	1933.4	101.72	8452.0	5351	95.428	ng/ml
Nordiazepam	5.870	343588	1838333.1	61.53	35359.6	10313	968.913	ng/ml
O-desmethyl-tramadol	3.346	10996391	822191.9	6.22	126911.0	478151	1002.051	ng/ml
Oxazepam	5.724	140459	10952.8	77.96	12249.1	7840	950.054	ng/ml
Temazepam	5.796	607907	57386.0	31.88	∞	24214	1064.241	ng/ml
Tramadol	4.214	8030523	∞	3.62	∞	509598	874.398	ng/ml
Trazodone	5.065	4194291	458789.3	131.93	1355198.5	190614	1126.560	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument	69679	**Data File**	negative blood f6.d
Type	Sample	**Sample**	negative blood f6
Acq. Method	mdqp1 121523.m	**Operator**	Anne Nord
Sample Position	P2-F6	**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.
Injection Volume	2		
Acq. Date-Time	10/1/2024 1:51:19 PM		
Sample Info.			

Sample Chromatogram

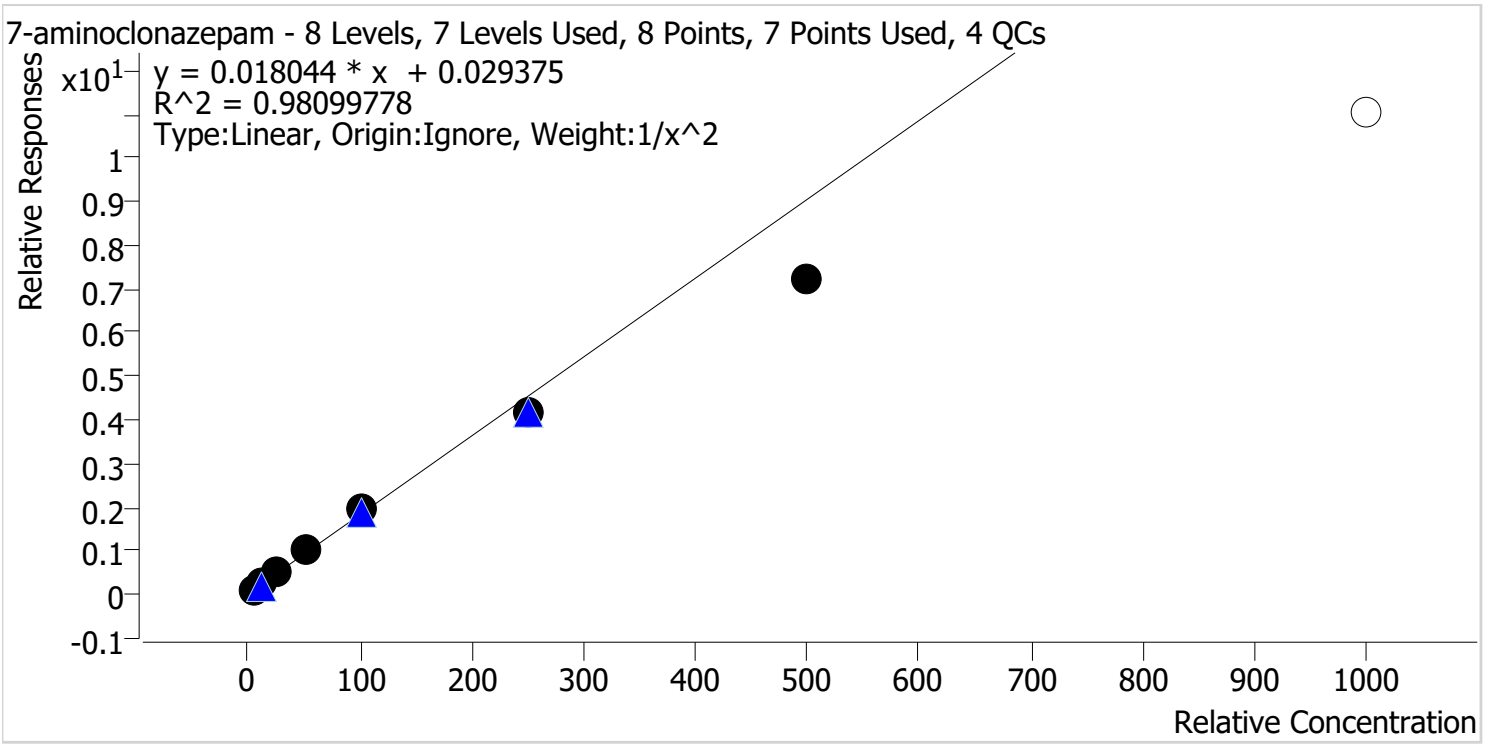


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.		
Duloxetine	5.635	6975	281.1	9.58	175.7	48024	4.883	ng/ml	< 5

Duloxetine not evaluated in this run.

Compound Calibration Report

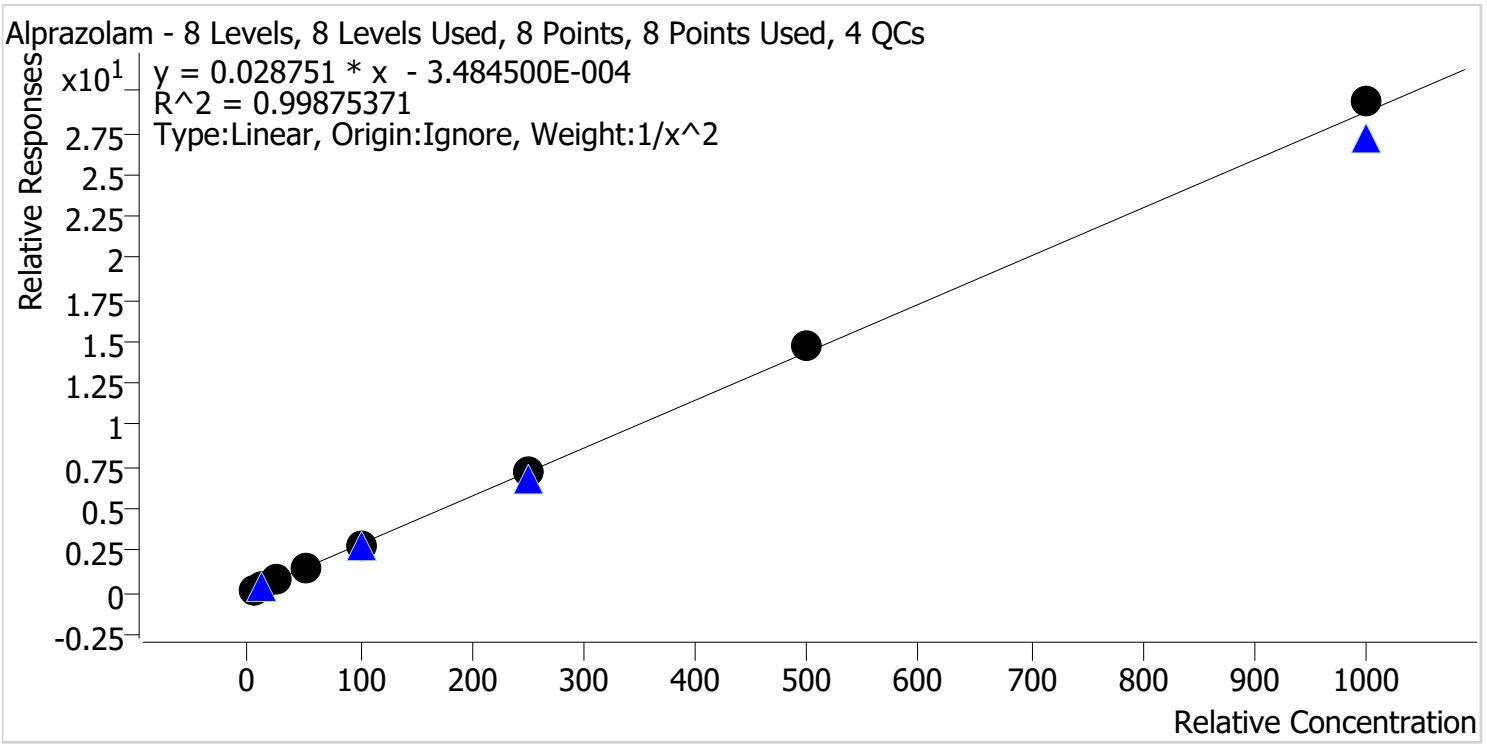
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	7-aminoclonazepam
Internal Standard	7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.6	92.1
cal 2 mdq	2	✔	10.0	11.0	109.8
cal 3 mdq	3	✔	25.0	27.7	110.8
cal 4 mdq	4	✔	50.0	54.3	108.7
cal 5 mdq	5	✔	100.0	105.8	105.8
cal 6 mdq	6	✔	250.0	231.5	92.6
cal 7 mdq	7	✔	500.0	401.1	80.2
cal 8 mdq	8	✗	1000.0	609.8	61.0

Compound Calibration Report

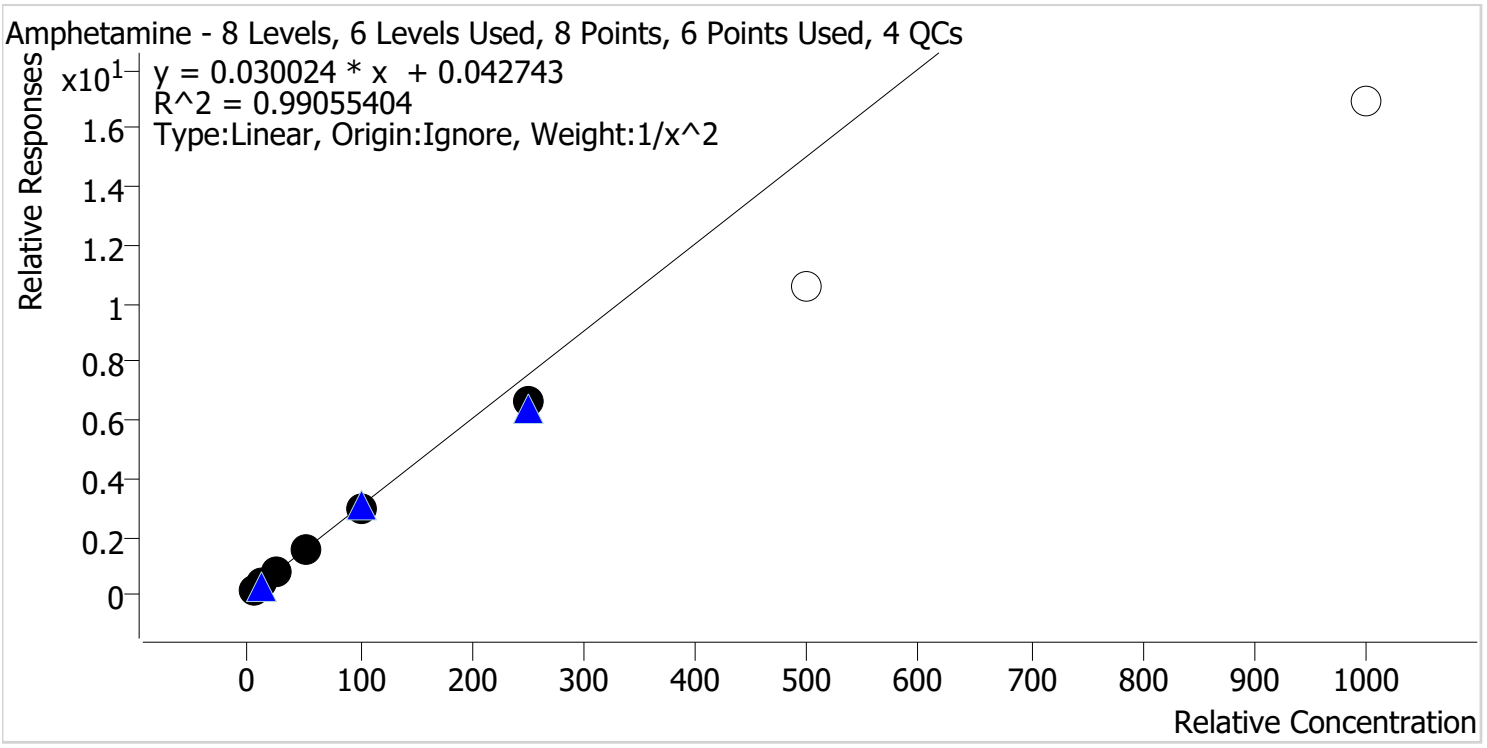
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Alprazolam
Internal Standard	Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.2	103.2
cal 2 mdq	2	✔	10.0	9.4	94.0
cal 3 mdq	3	✔	25.0	24.8	99.2
cal 4 mdq	4	✔	50.0	50.4	100.8
cal 5 mdq	5	✔	100.0	97.3	97.3
cal 6 mdq	6	✔	250.0	253.4	101.4
cal 7 mdq	7	✔	500.0	510.3	102.1
cal 8 mdq	8	✔	1000.0	1021.6	102.2

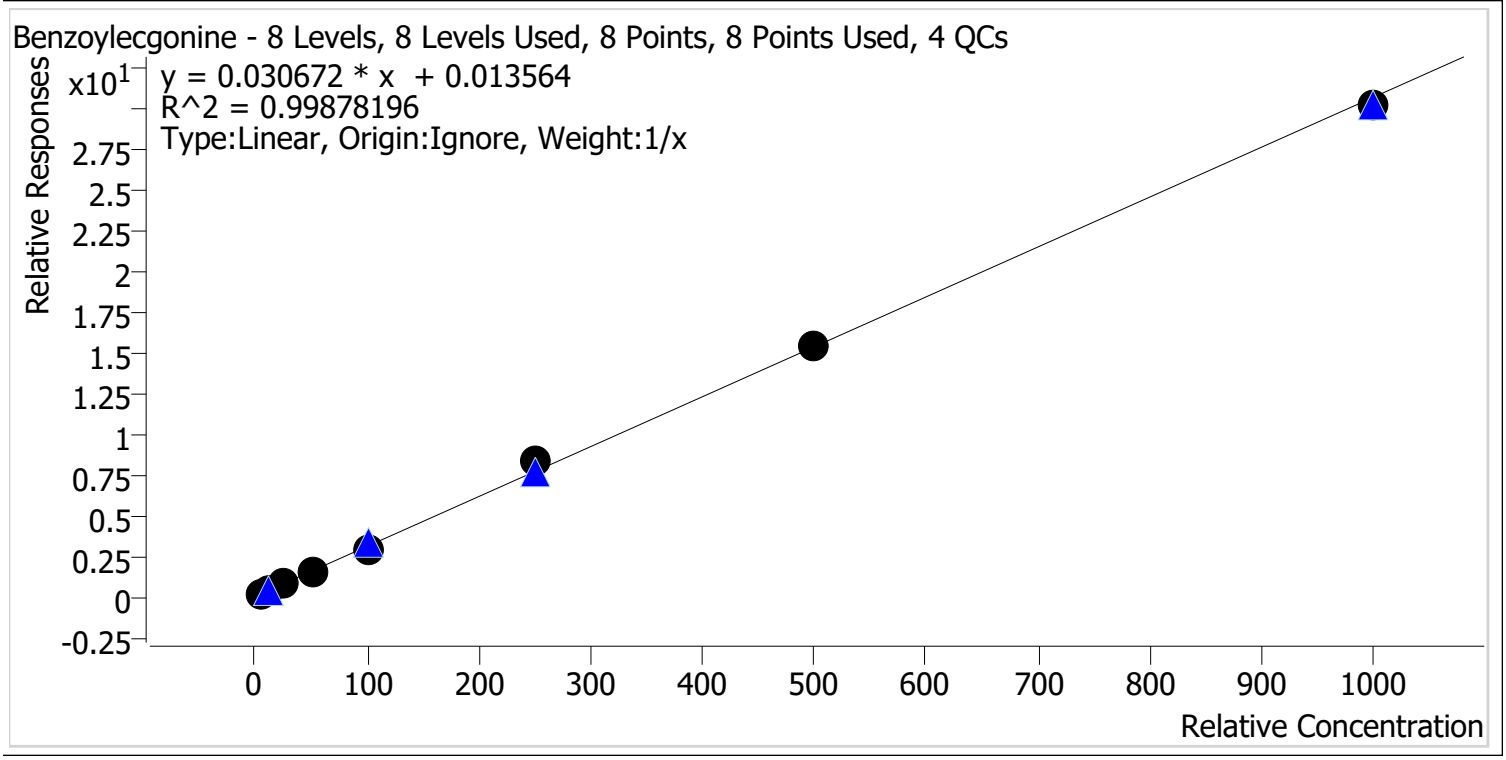
Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 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	4.7	94.9
cal 2 mdq	2	✔	10.0	10.7	106.8
cal 3 mdq	3	✔	25.0	27.0	108.1
cal 4 mdq	4	✔	50.0	52.1	104.2
cal 5 mdq	5	✔	100.0	98.7	98.7
cal 6 mdq	6	✔	250.0	218.5	87.4
cal 7 mdq	7	✗	500.0	352.2	70.4
cal 8 mdq	8	✗	1000.0	562.1	56.2

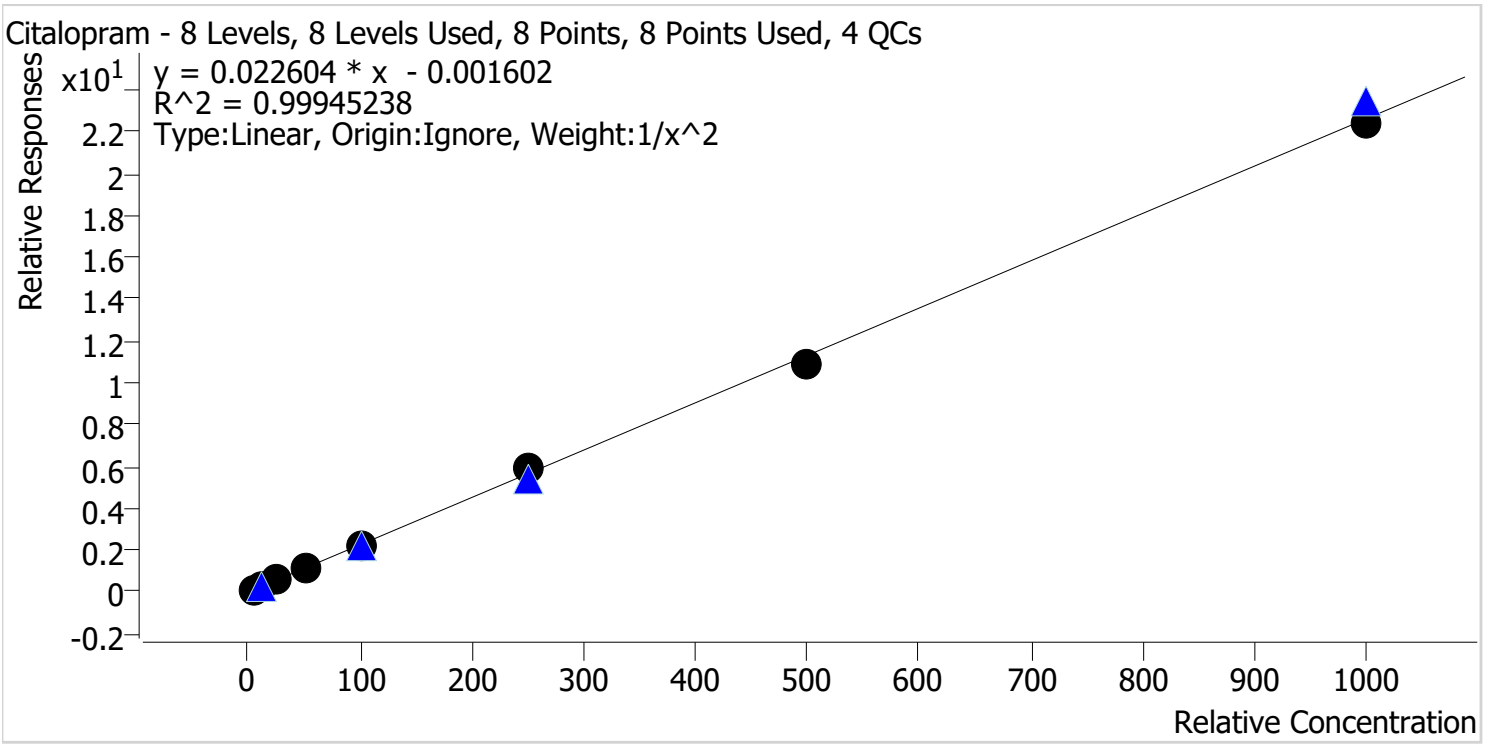
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Benzoylecgonine
Internal Standard	Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	101.0
cal 2 mdq	2	✔	10.0	10.7	106.9
cal 3 mdq	3	✔	25.0	23.7	94.8
cal 4 mdq	4	✔	50.0	47.3	94.6
cal 5 mdq	5	✔	100.0	96.0	96.0
cal 6 mdq	6	✔	250.0	268.8	107.5
cal 7 mdq	7	✔	500.0	505.1	101.0
cal 8 mdq	8	✔	1000.0	983.5	98.3

Compound Calibration Report

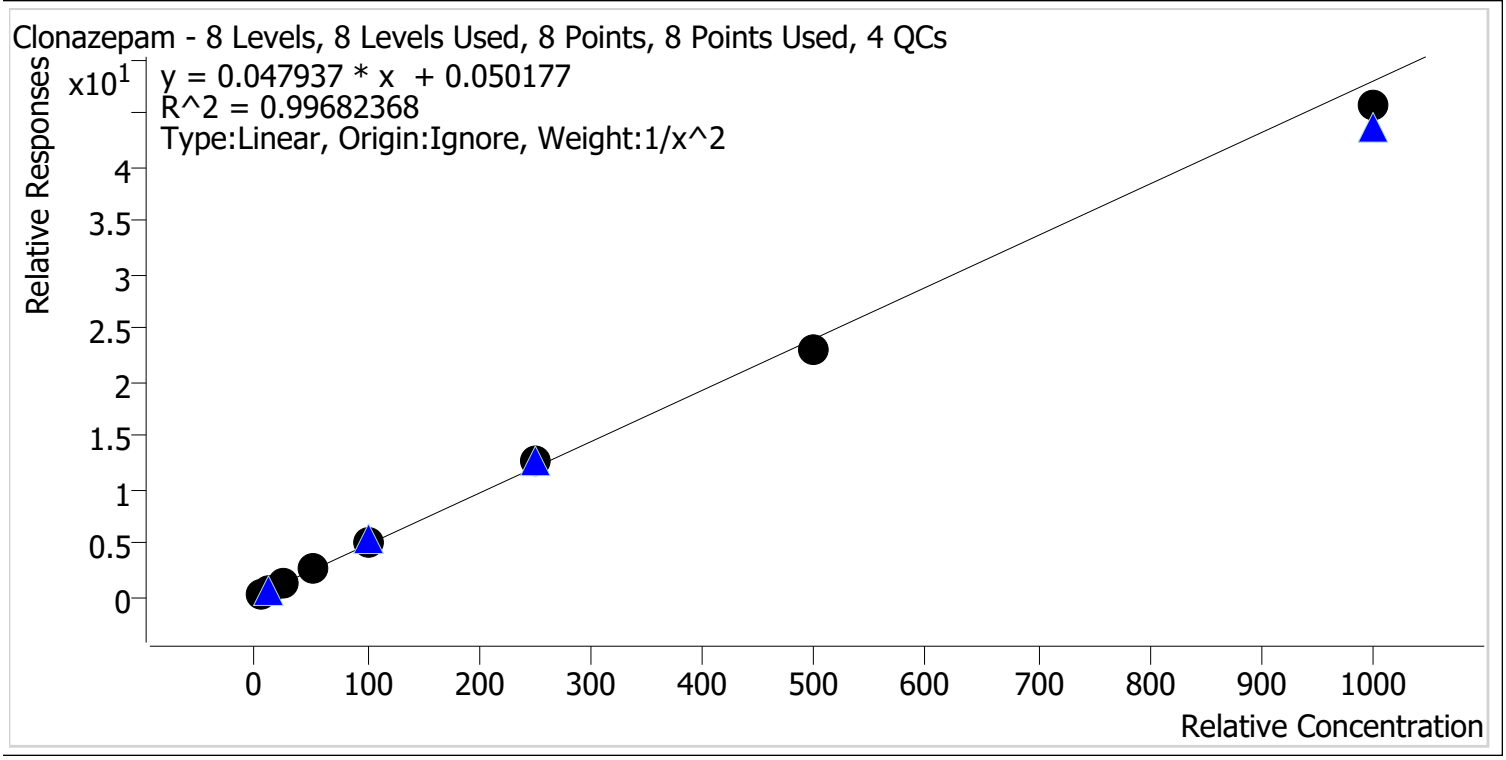
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Citalopram
Internal Standard	Citalopram-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.9	98.8
cal 2 mdq	2	✔	10.0	10.2	102.3
cal 3 mdq	3	✔	25.0	25.1	100.2
cal 4 mdq	4	✔	50.0	50.1	100.3
cal 5 mdq	5	✔	100.0	99.4	99.4
cal 6 mdq	6	✔	250.0	258.2	103.3
cal 7 mdq	7	✔	500.0	484.5	96.9
cal 8 mdq	8	✔	1000.0	988.1	98.8

Compound Calibration Report

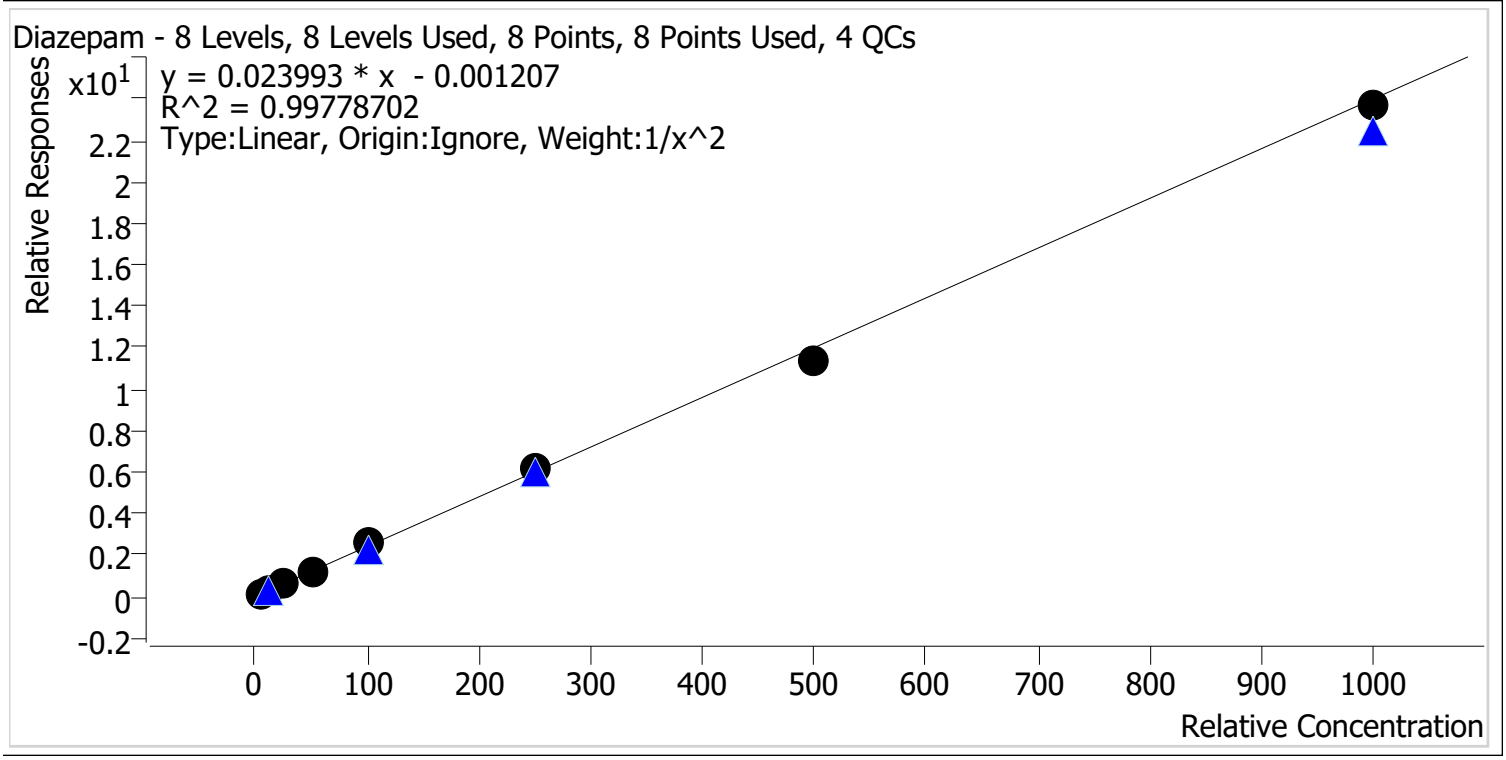
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Clonazepam
Internal Standard	Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	101.3
cal 2 mdq	2	✔	10.0	9.7	97.3
cal 3 mdq	3	✔	25.0	23.9	95.5
cal 4 mdq	4	✔	50.0	53.9	107.7
cal 5 mdq	5	✔	100.0	102.4	102.4
cal 6 mdq	6	✔	250.0	263.2	105.3
cal 7 mdq	7	✔	500.0	476.4	95.3
cal 8 mdq	8	✔	1000.0	952.4	95.2

Compound Calibration Report

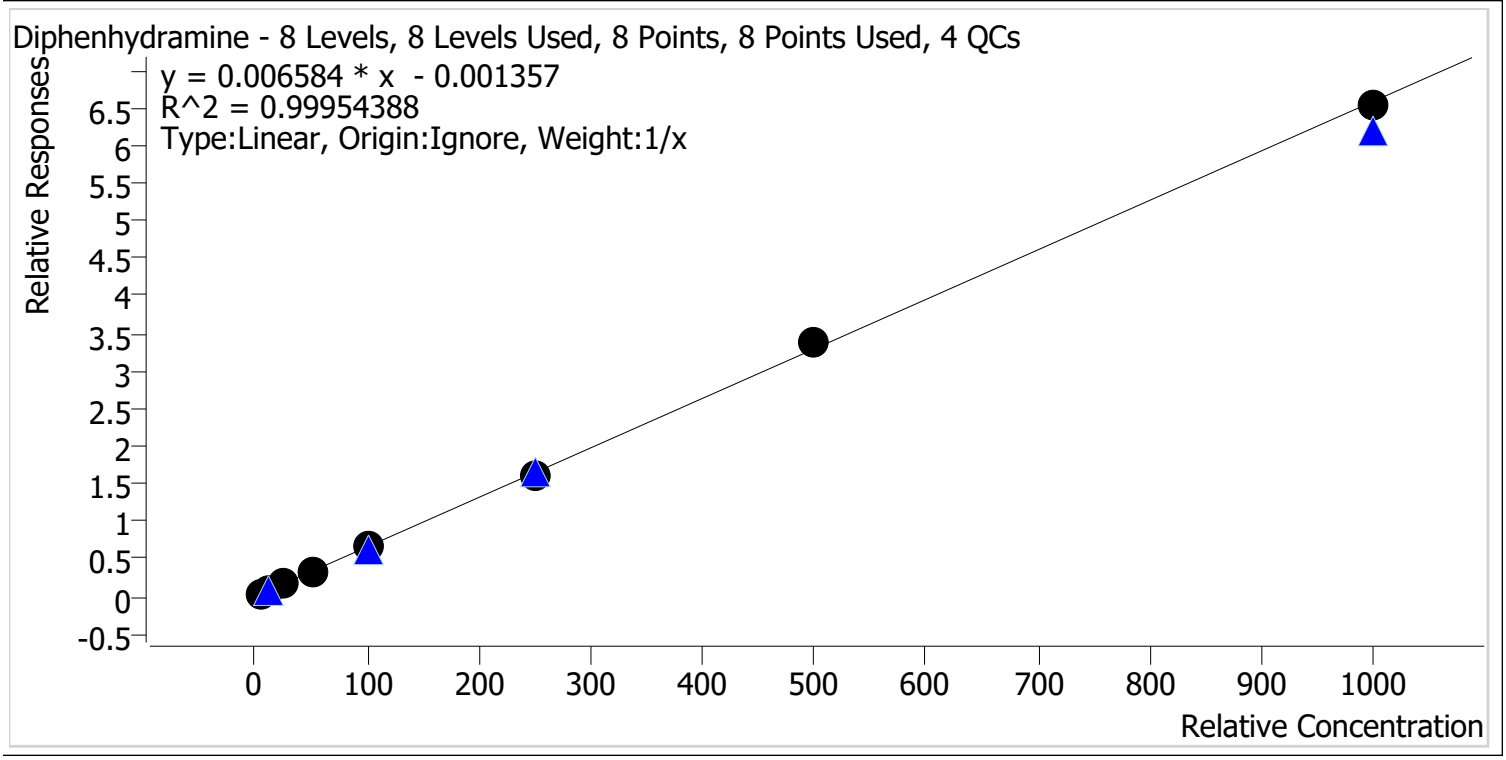
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Diazepam
Internal Standard	Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	101.0
cal 2 mdq	2	✔	10.0	9.8	98.1
cal 3 mdq	3	✔	25.0	24.4	97.8
cal 4 mdq	4	✔	50.0	50.1	100.2
cal 5 mdq	5	✔	100.0	108.4	108.4
cal 6 mdq	6	✔	250.0	253.7	101.5
cal 7 mdq	7	✔	500.0	471.6	94.3
cal 8 mdq	8	✔	1000.0	986.7	98.7

Compound Calibration Report

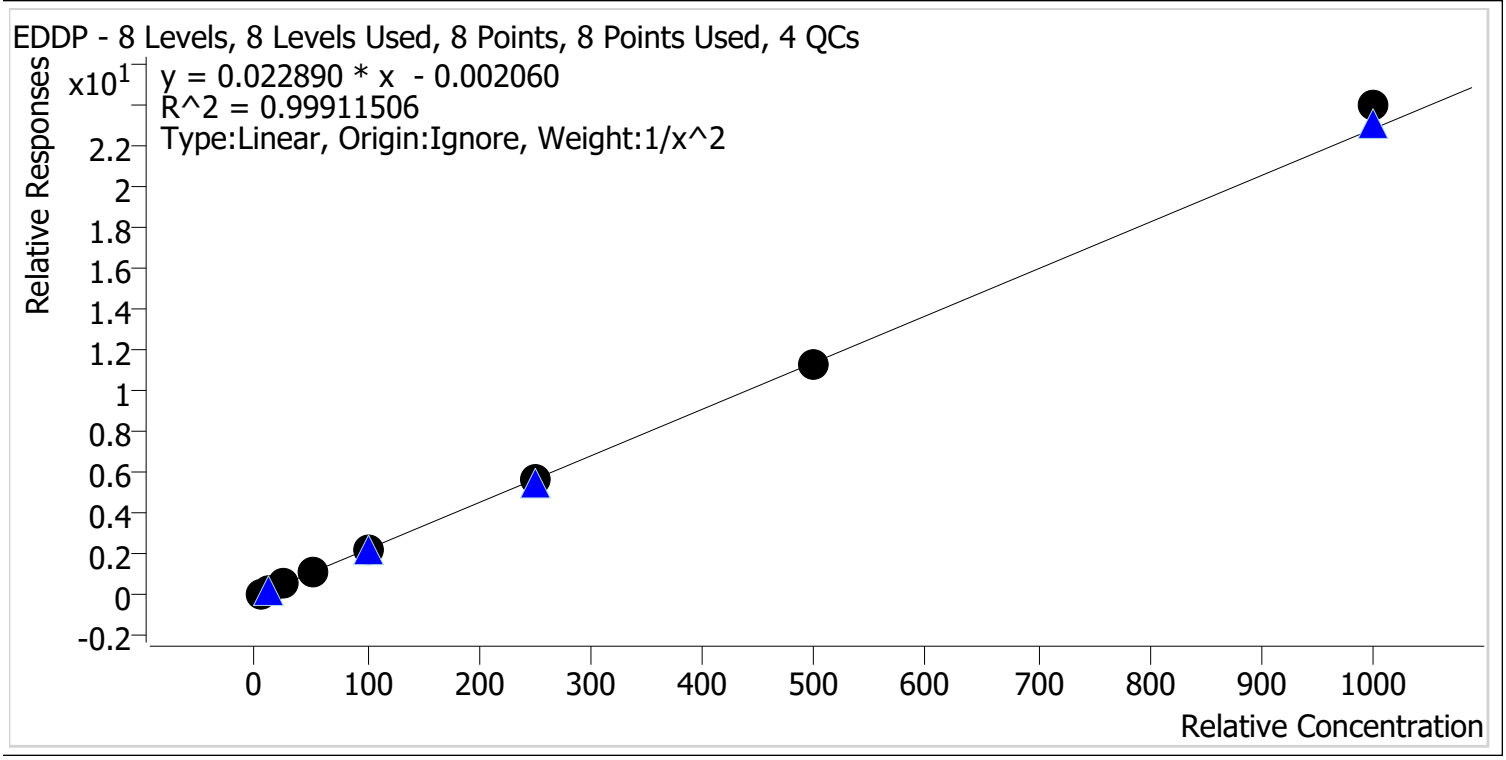
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Diphenhydramine
Internal Standard	Diphenhydramine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.3	106.6
cal 2 mdq	2	✔	10.0	10.0	99.5
cal 3 mdq	3	✔	25.0	24.5	98.2
cal 4 mdq	4	✔	50.0	47.6	95.3
cal 5 mdq	5	✔	100.0	100.1	100.1
cal 6 mdq	6	✔	250.0	245.1	98.0
cal 7 mdq	7	✔	500.0	515.8	103.2
cal 8 mdq	8	✔	1000.0	991.5	99.2

Compound Calibration Report

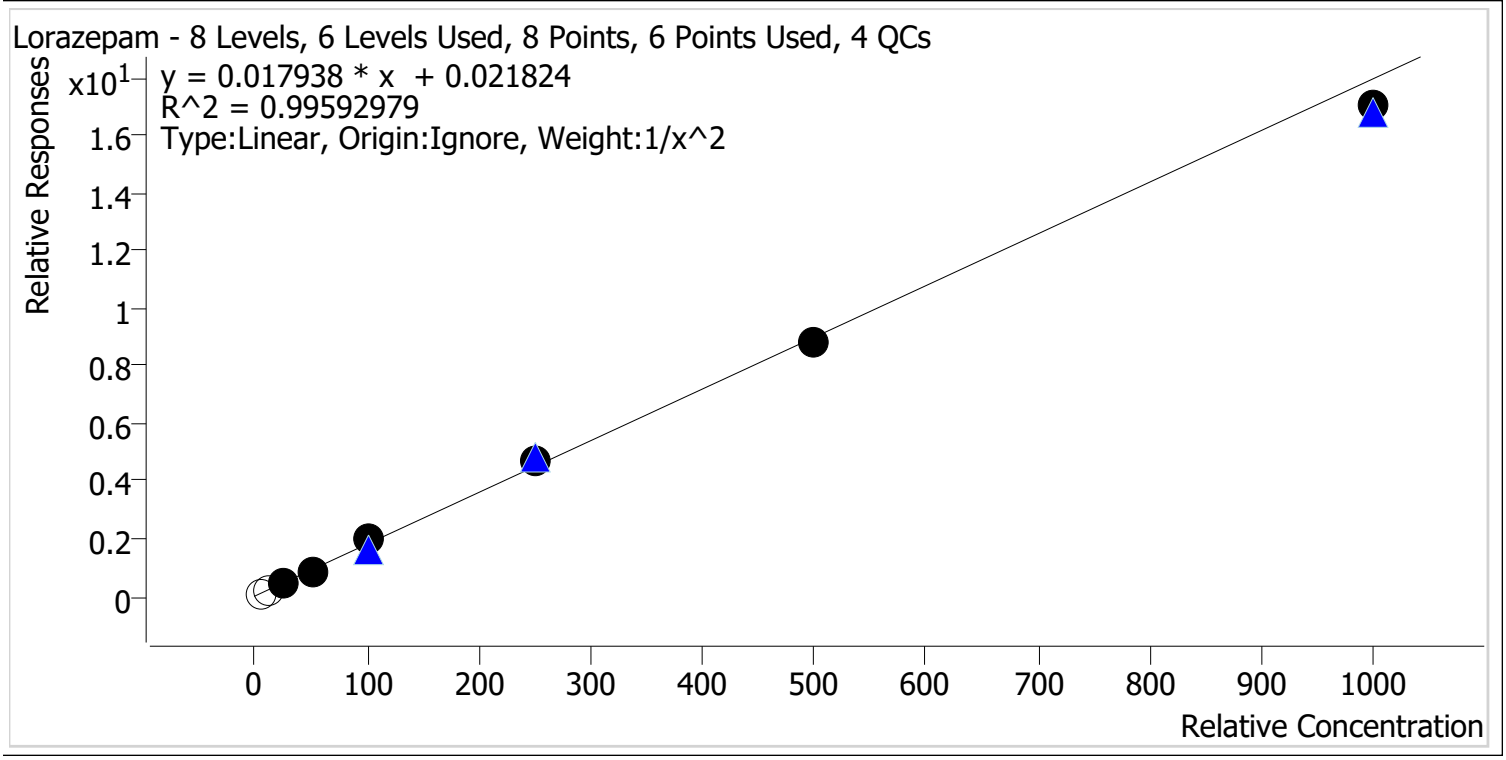
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	EDDP
Internal Standard	EDDP-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	100.9
cal 2 mdq	2	✔	10.0	9.9	99.2
cal 3 mdq	3	✔	25.0	24.8	99.2
cal 4 mdq	4	✔	50.0	48.0	96.0
cal 5 mdq	5	✔	100.0	101.3	101.3
cal 6 mdq	6	✔	250.0	246.3	98.5
cal 7 mdq	7	✔	500.0	499.5	99.9
cal 8 mdq	8	✔	1000.0	1049.7	105.0

Compound Calibration Report

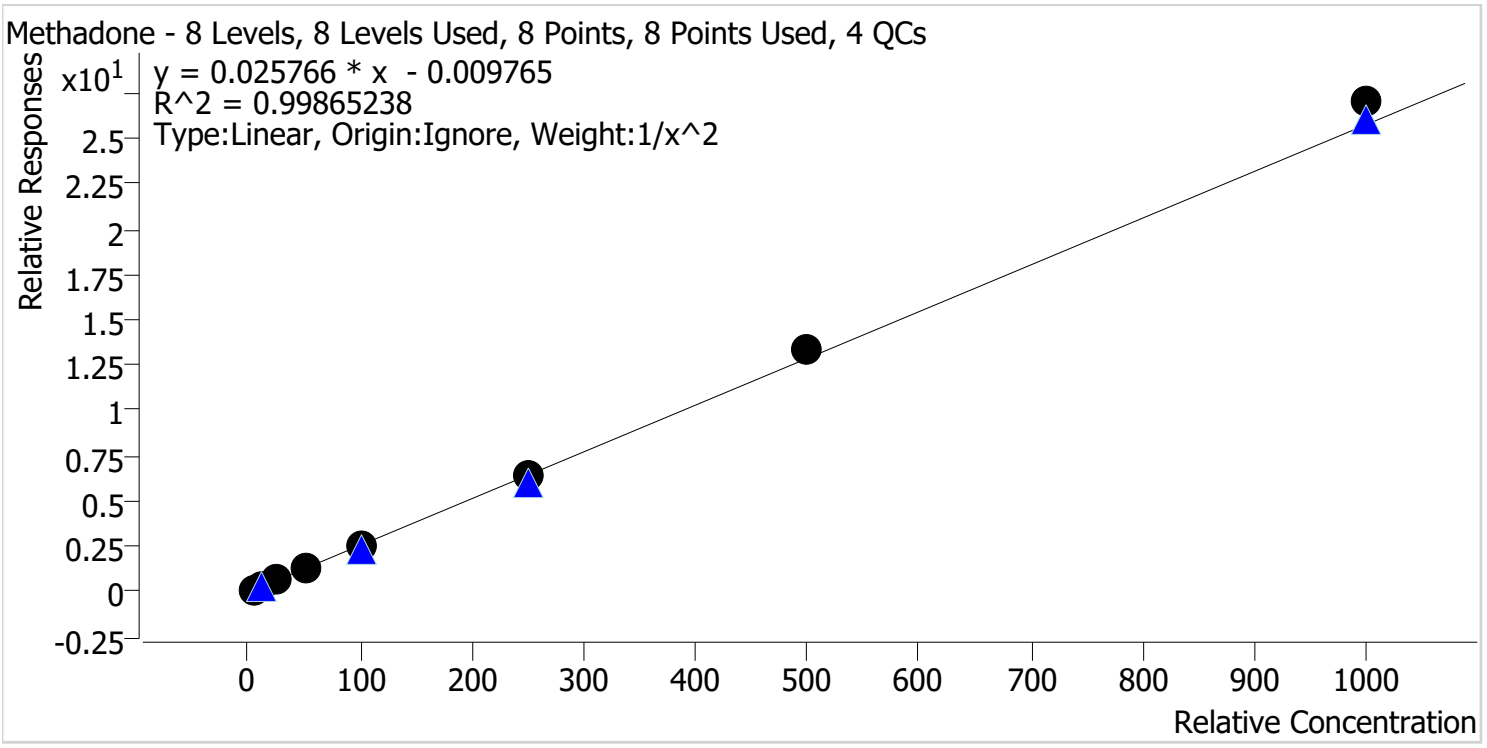
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Lorazepam
Internal Standard	Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✗	5.0	4.0	79.2
cal 2 mdq	2	✗	10.0	9.5	95.2
cal 3 mdq	3	✔	25.0	25.1	100.5
cal 4 mdq	4	✔	50.0	47.4	94.8
cal 5 mdq	5	✔	100.0	107.5	107.5
cal 6 mdq	6	✔	250.0	260.5	104.2
cal 7 mdq	7	✔	500.0	490.9	98.2
cal 8 mdq	8	✔	1000.0	948.1	94.8

Compound Calibration Report

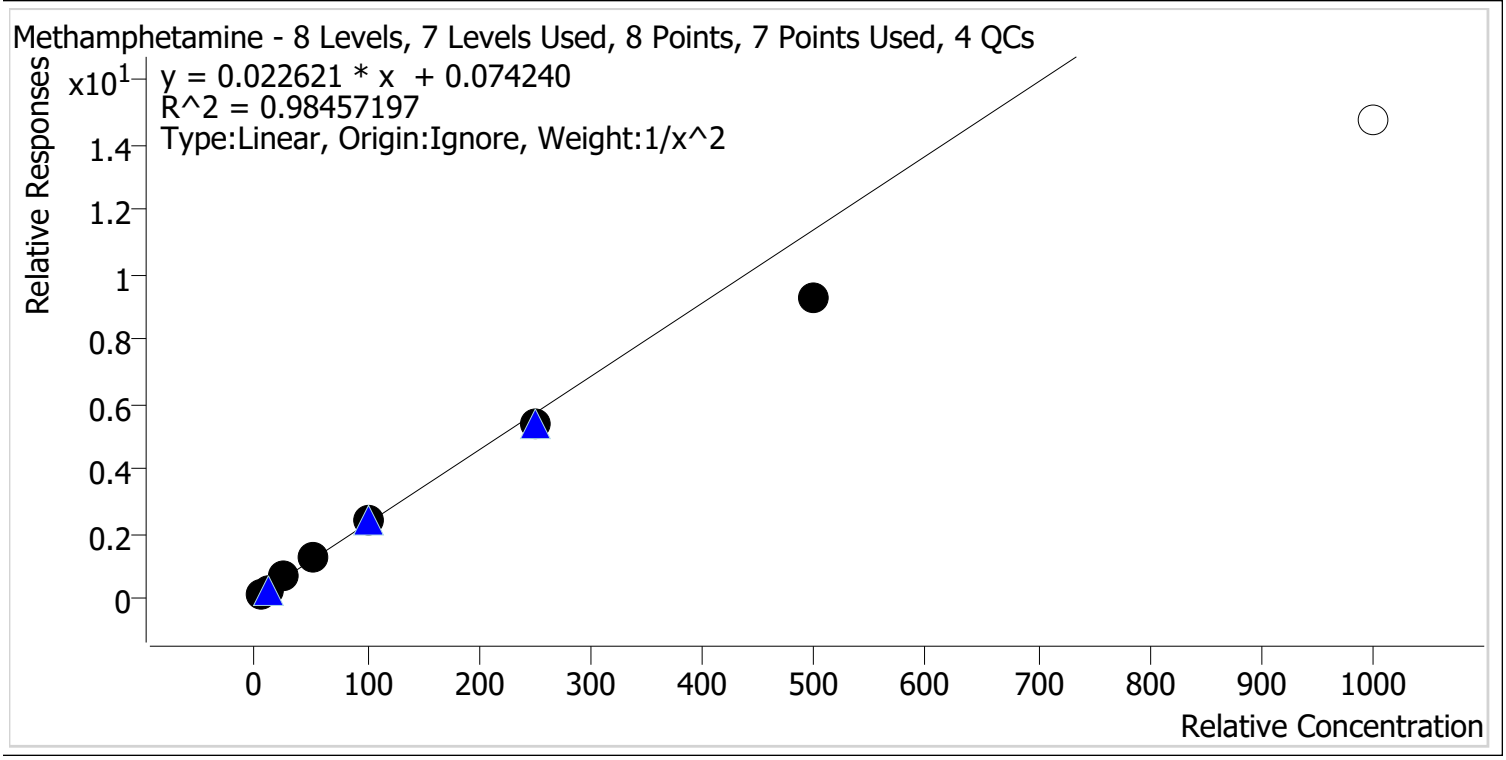
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Methadone
Internal Standard	Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	102.4
cal 2 mdq	2	✔	10.0	9.7	97.0
cal 3 mdq	3	✔	25.0	24.1	96.6
cal 4 mdq	4	✔	50.0	49.5	99.1
cal 5 mdq	5	✔	100.0	96.9	96.9
cal 6 mdq	6	✔	250.0	249.5	99.8
cal 7 mdq	7	✔	500.0	516.2	103.2
cal 8 mdq	8	✔	1000.0	1049.4	104.9

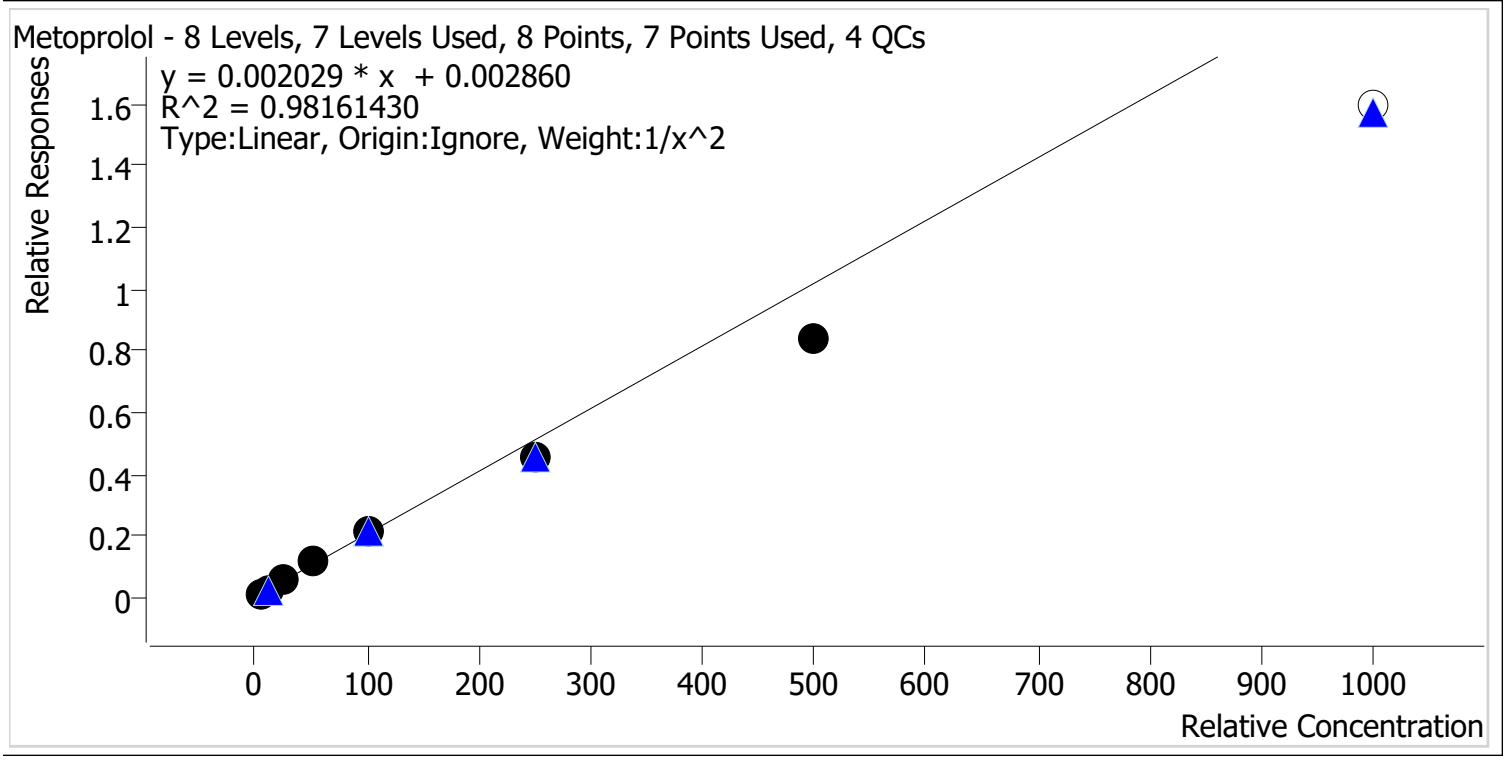
Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 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	4.7	93.2
cal 2 mdq	2	✔	10.0	10.8	108.4
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	103.6	103.6
cal 6 mdq	6	✔	250.0	235.5	94.2
cal 7 mdq	7	✔	500.0	409.1	81.8
cal 8 mdq	8	✗	1000.0	651.3	65.1

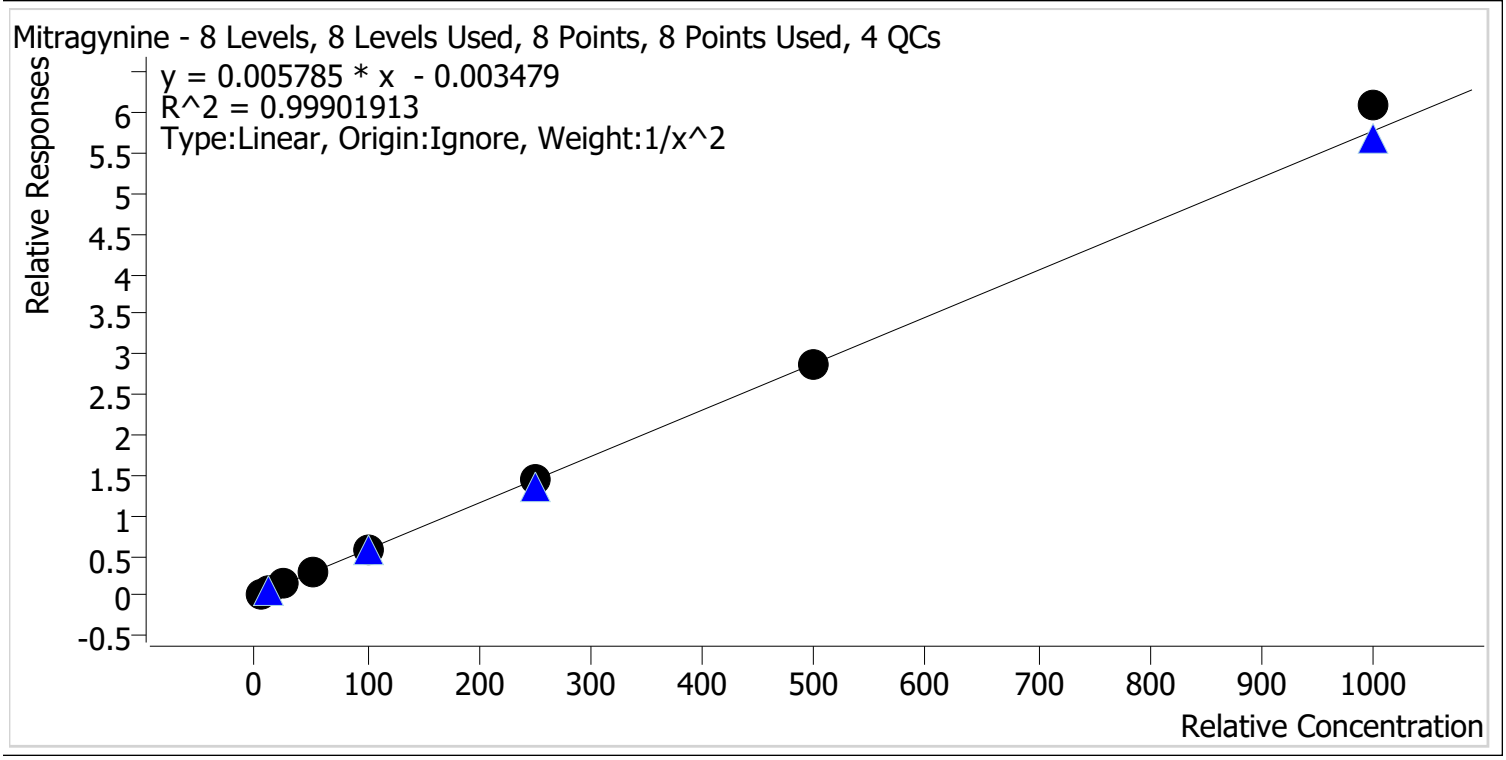
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Metoprolol
Internal Standard	Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.7	93.6
cal 2 mdq	2	✔	10.0	10.6	105.8
cal 3 mdq	3	✔	25.0	28.0	112.1
cal 4 mdq	4	✔	50.0	56.1	112.2
cal 5 mdq	5	✔	100.0	104.1	104.1
cal 6 mdq	6	✔	250.0	224.9	90.0
cal 7 mdq	7	✔	500.0	411.1	82.2
cal 8 mdq	8	✗	1000.0	783.2	78.3

Compound Calibration Report

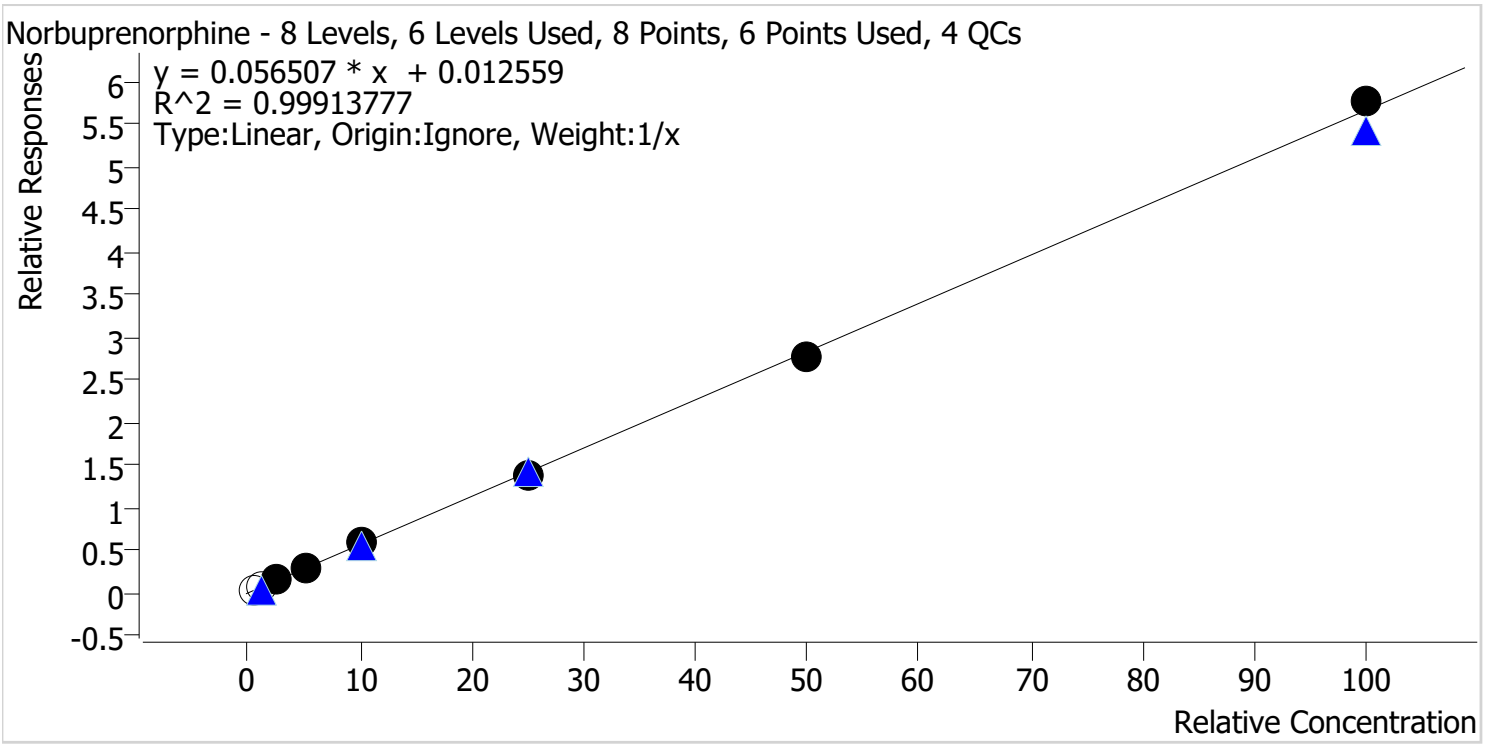
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Mitragynine
Internal Standard	Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	100.0
cal 2 mdq	2	✔	10.0	10.2	101.7
cal 3 mdq	3	✔	25.0	24.3	97.4
cal 4 mdq	4	✔	50.0	49.0	98.0
cal 5 mdq	5	✔	100.0	97.2	97.2
cal 6 mdq	6	✔	250.0	251.1	100.4
cal 7 mdq	7	✔	500.0	499.5	99.9
cal 8 mdq	8	✔	1000.0	1054.5	105.4

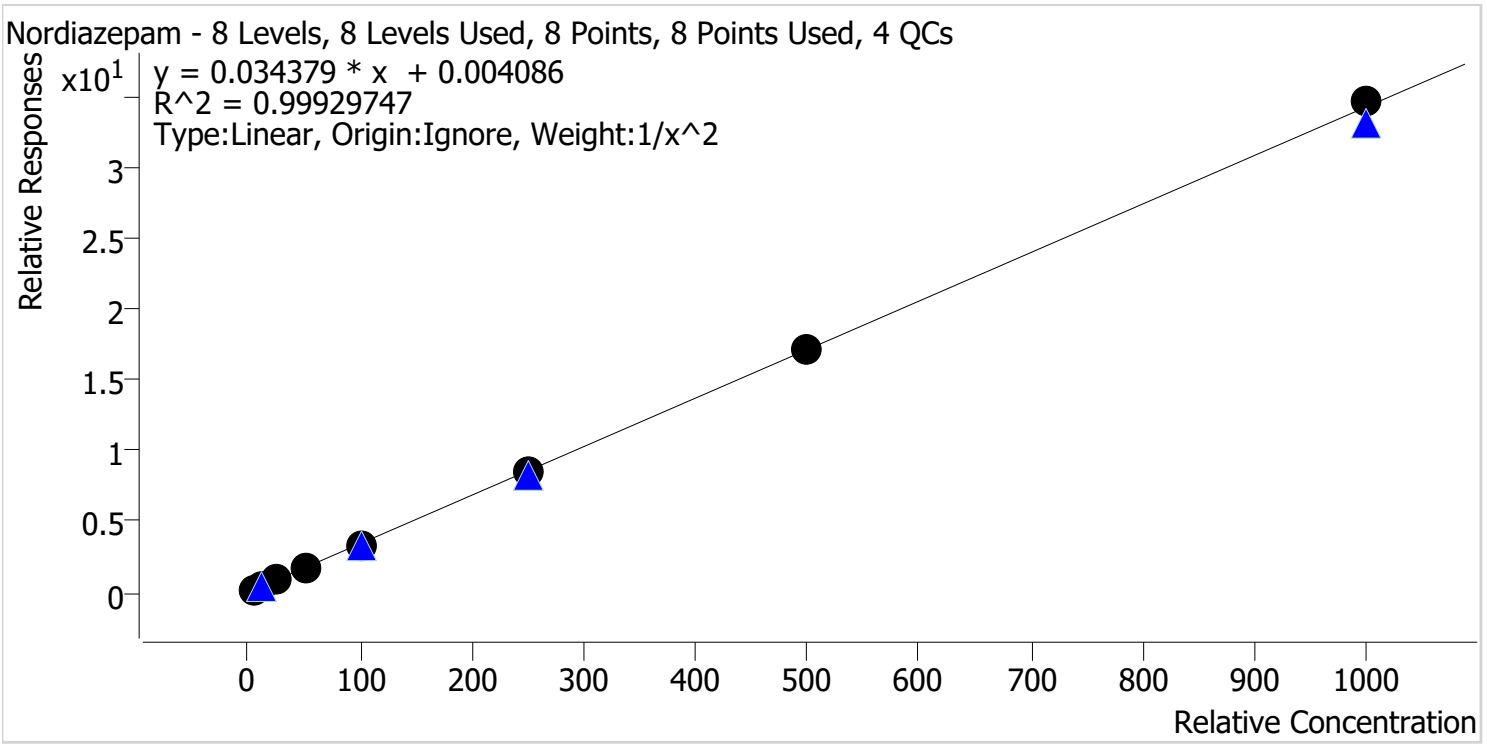
Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 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	0.6	126.6
cal 2 mdq	2	✗	1.0	1.1	105.9
cal 3 mdq	3	✔	2.5	2.6	104.6
cal 4 mdq	4	✔	5.0	4.8	95.3
cal 5 mdq	5	✔	10.0	10.4	104.1
cal 6 mdq	6	✔	25.0	24.2	96.8
cal 7 mdq	7	✔	50.0	48.7	97.4
cal 8 mdq	8	✔	100.0	101.8	101.8

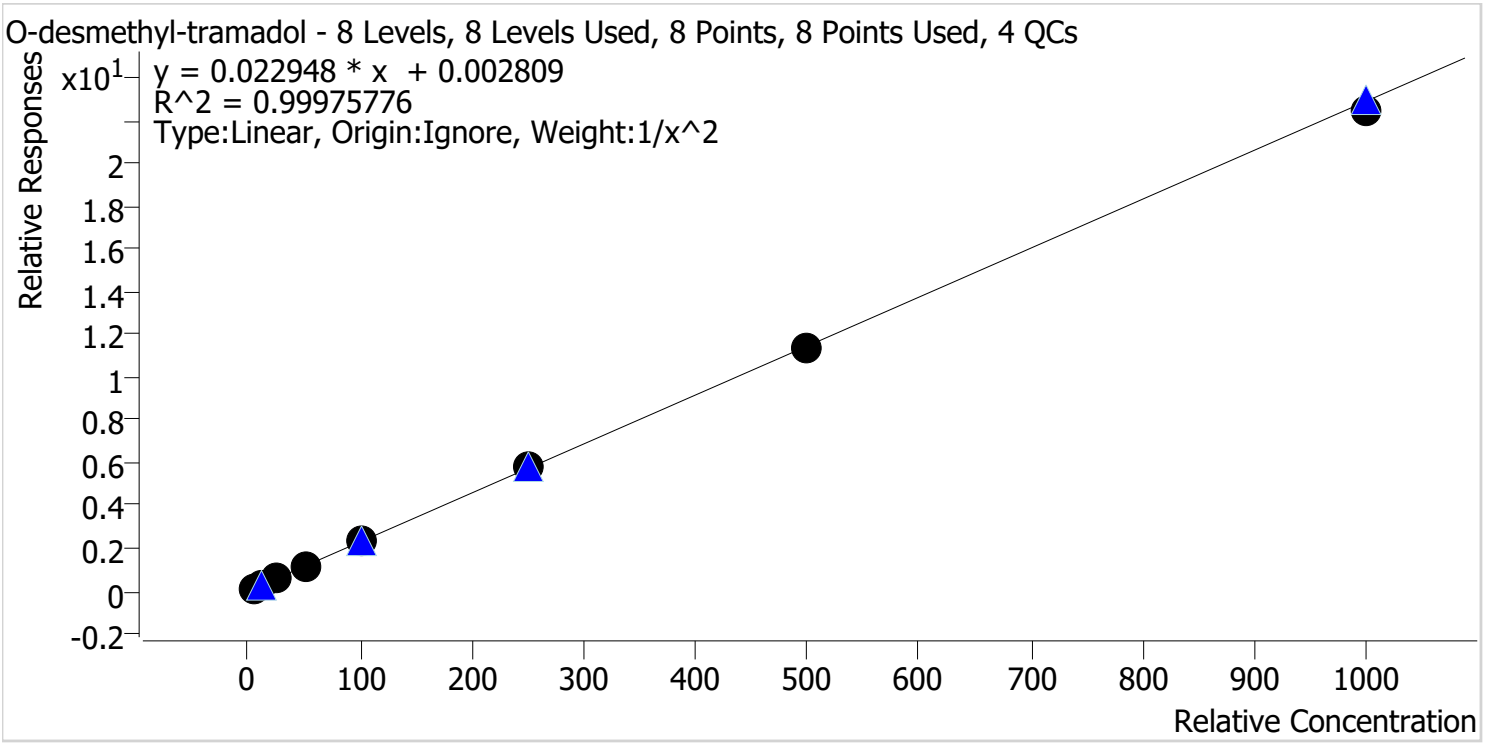
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Nordiazepam
Internal Standard	Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	101.7
cal 2 mdq	2	✔	10.0	9.6	96.0
cal 3 mdq	3	✔	25.0	25.0	100.2
cal 4 mdq	4	✔	50.0	51.8	103.5
cal 5 mdq	5	✔	100.0	98.7	98.7
cal 6 mdq	6	✔	250.0	245.9	98.3
cal 7 mdq	7	✔	500.0	501.9	100.4
cal 8 mdq	8	✔	1000.0	1011.1	101.1

Compound Calibration Report

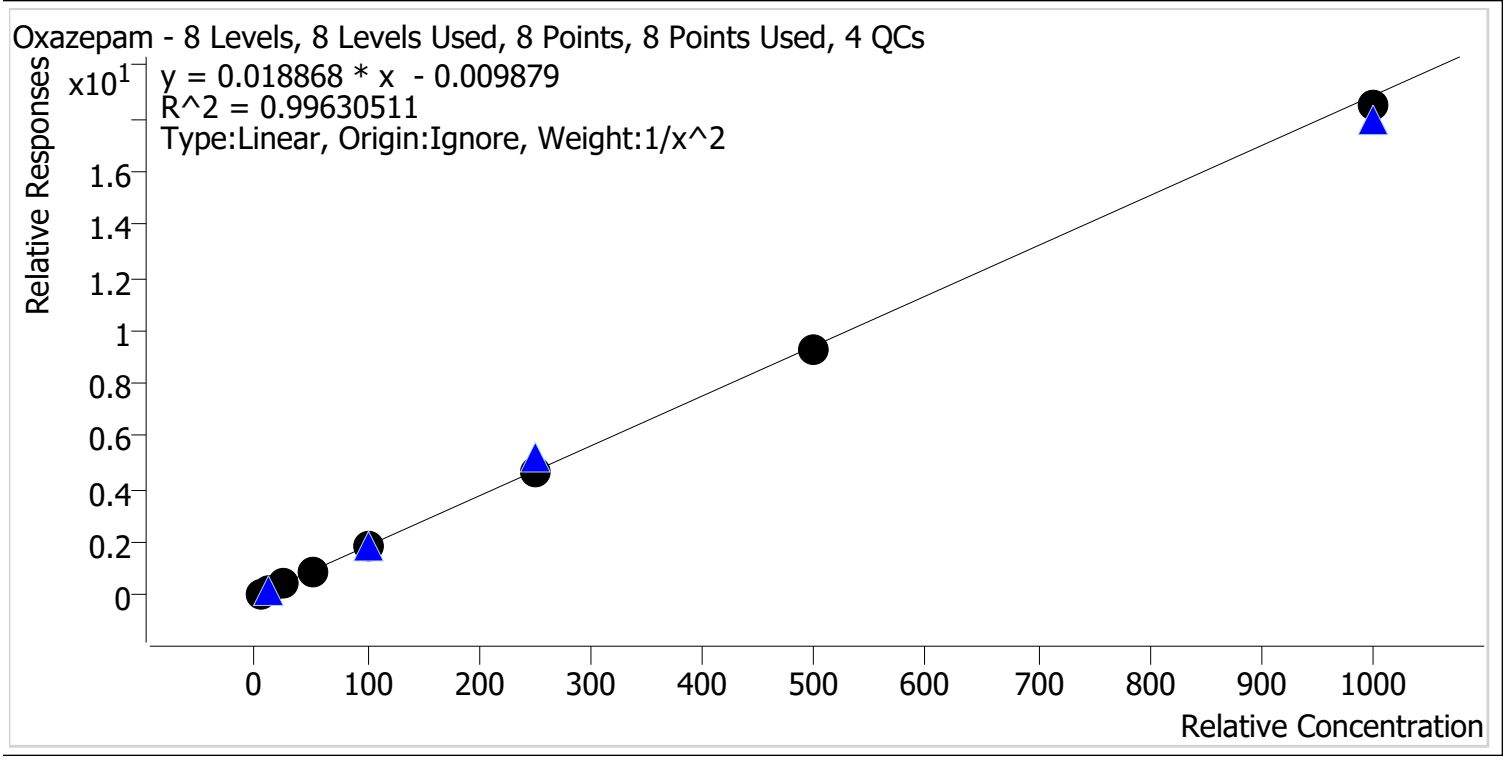
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	O-desmethyl-tramadol
Internal Standard	O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.5
cal 2 mdq	2	✔	10.0	10.0	100.1
cal 3 mdq	3	✔	25.0	25.6	102.3
cal 4 mdq	4	✔	50.0	49.9	99.8
cal 5 mdq	5	✔	100.0	100.1	100.1
cal 6 mdq	6	✔	250.0	253.3	101.3
cal 7 mdq	7	✔	500.0	494.6	98.9
cal 8 mdq	8	✔	1000.0	979.8	98.0

Compound Calibration Report

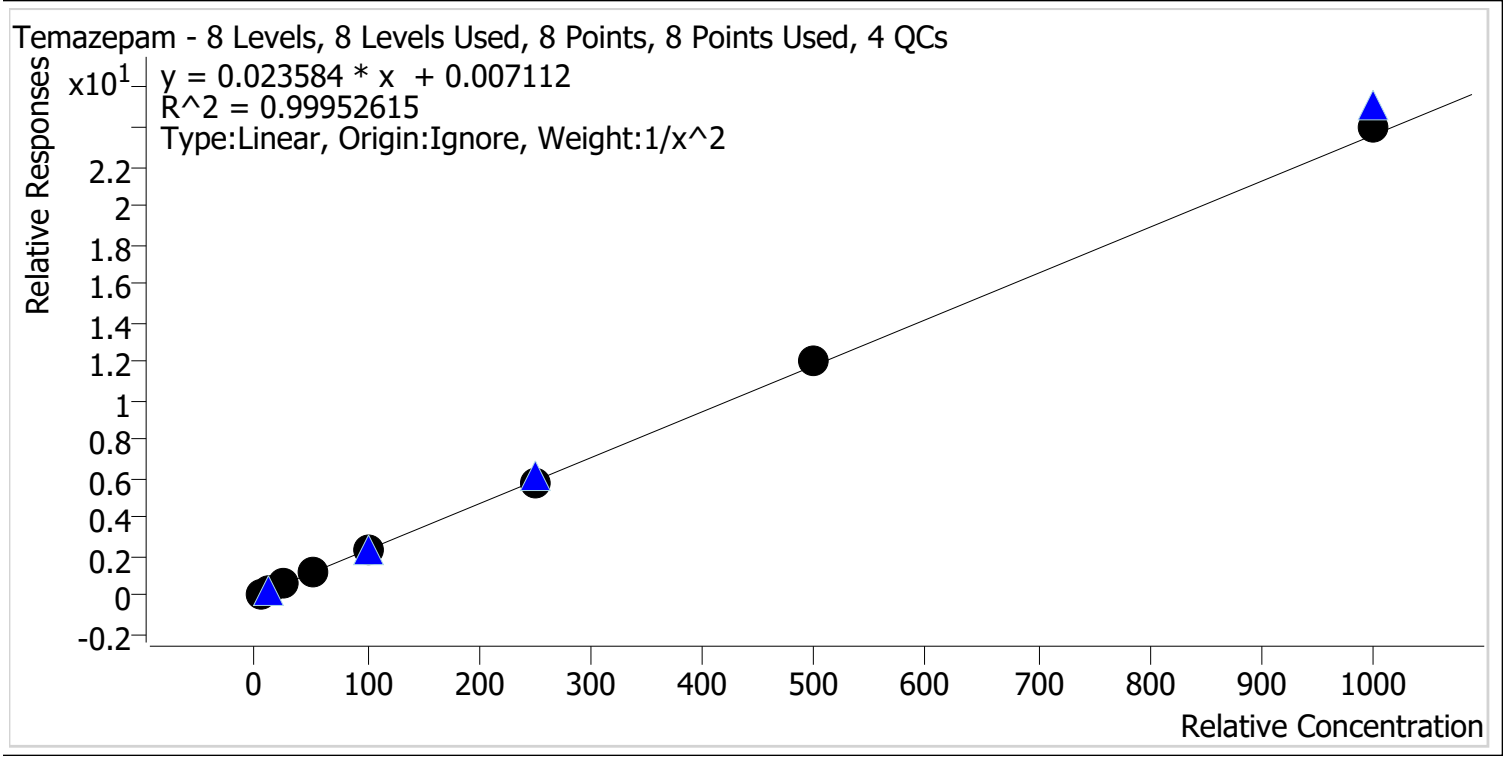
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Oxazepam
Internal Standard	Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.7	94.8
cal 2 mdq	2	✔	10.0	11.1	110.6
cal 3 mdq	3	✔	25.0	25.5	102.1
cal 4 mdq	4	✔	50.0	46.8	93.6
cal 5 mdq	5	✔	100.0	102.4	102.4
cal 6 mdq	6	✔	250.0	248.9	99.6
cal 7 mdq	7	✔	500.0	494.9	99.0
cal 8 mdq	8	✔	1000.0	980.0	98.0

Compound Calibration Report

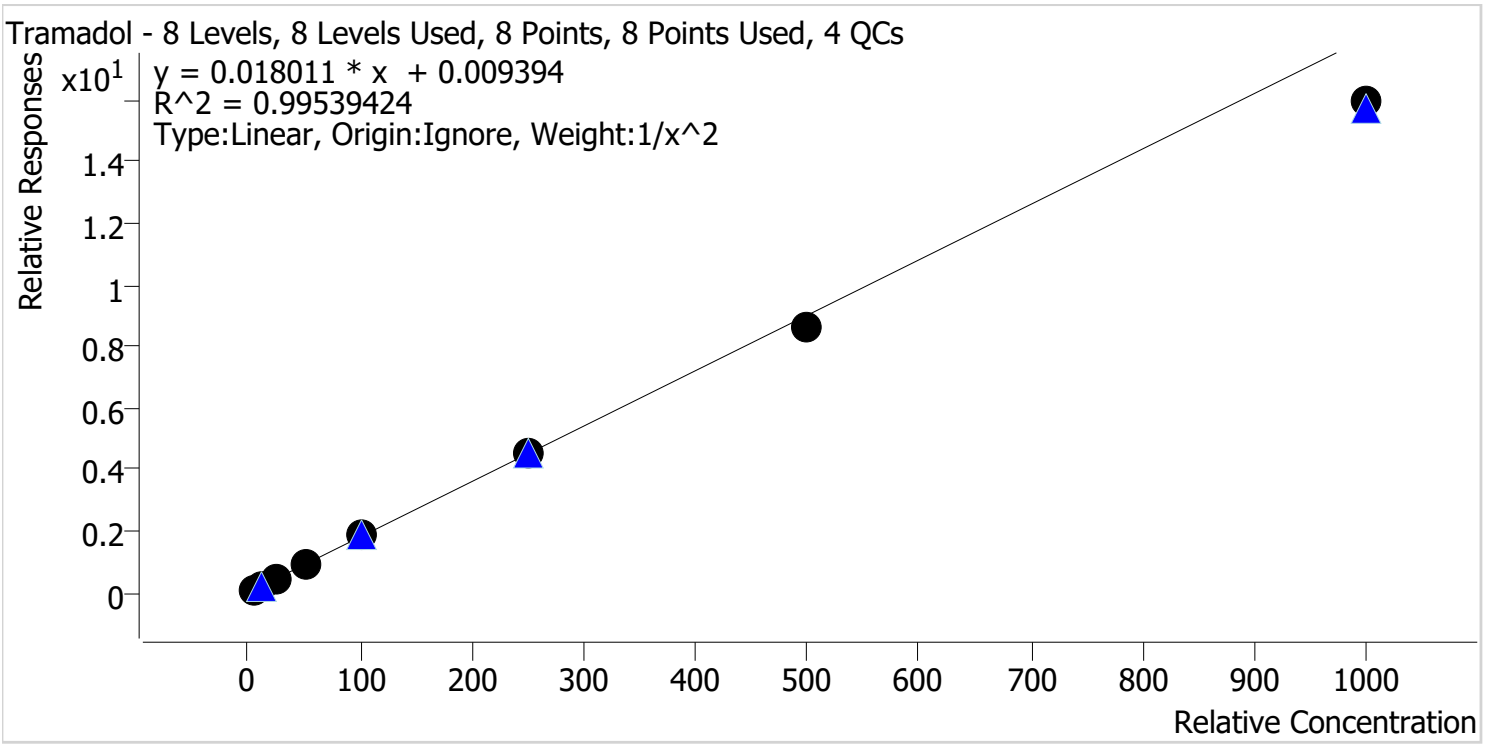
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Temazepam
Internal Standard	Temazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.2
cal 2 mdq	2	✔	10.0	10.2	102.2
cal 3 mdq	3	✔	25.0	25.1	100.3
cal 4 mdq	4	✔	50.0	48.1	96.2
cal 5 mdq	5	✔	100.0	100.1	100.1
cal 6 mdq	6	✔	250.0	247.8	99.1
cal 7 mdq	7	✔	500.0	506.8	101.4
cal 8 mdq	8	✔	1000.0	1016.0	101.6

Compound Calibration Report

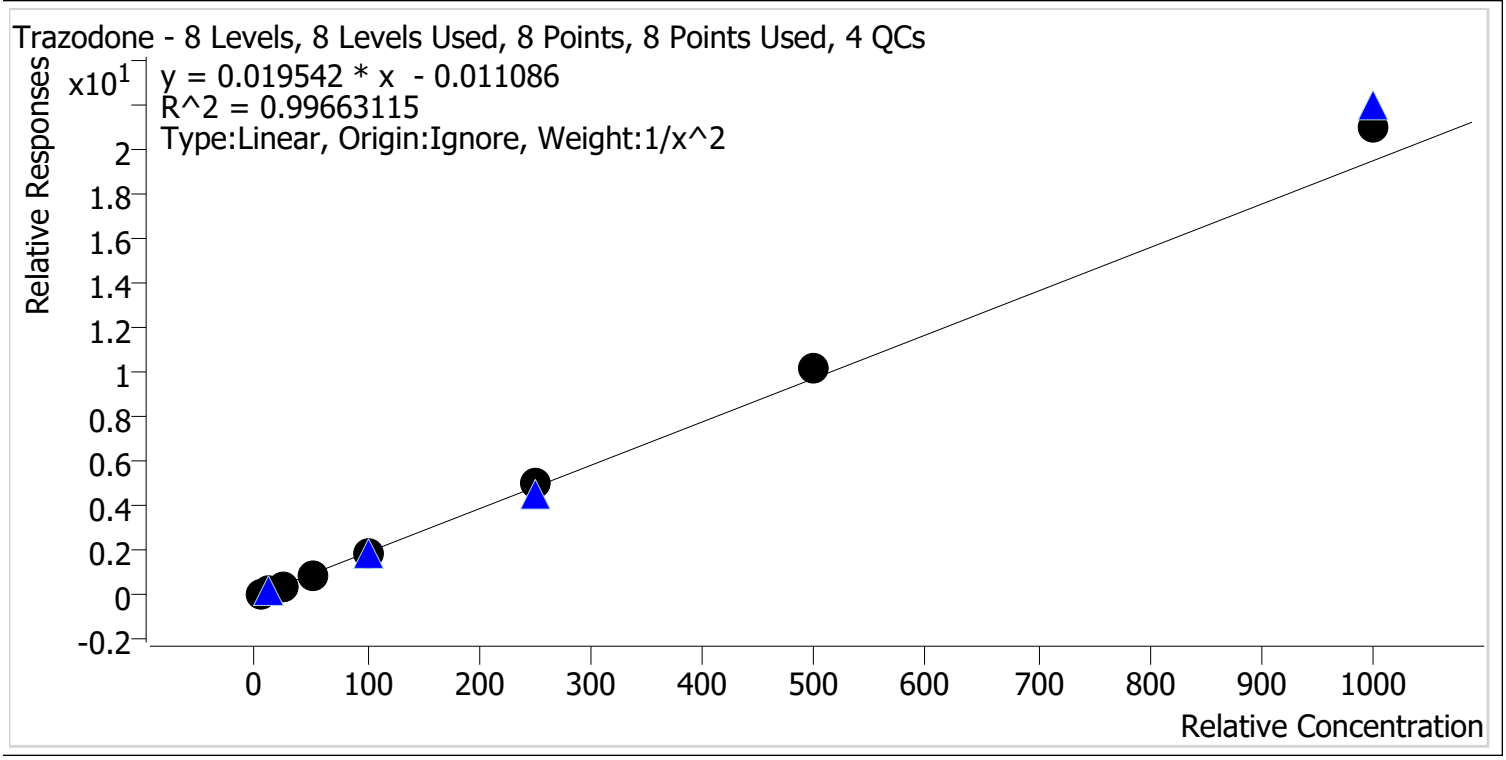
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Tramadol
Internal Standard	Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	4.8	96.8
cal 2 mdq	2	✔	10.0	10.3	102.7
cal 3 mdq	3	✔	25.0	26.5	105.9
cal 4 mdq	4	✔	50.0	52.3	104.6
cal 5 mdq	5	✔	100.0	105.0	105.0
cal 6 mdq	6	✔	250.0	250.7	100.3
cal 7 mdq	7	✔	500.0	480.8	96.2
cal 8 mdq	8	✔	1000.0	885.4	88.5

Compound Calibration Report

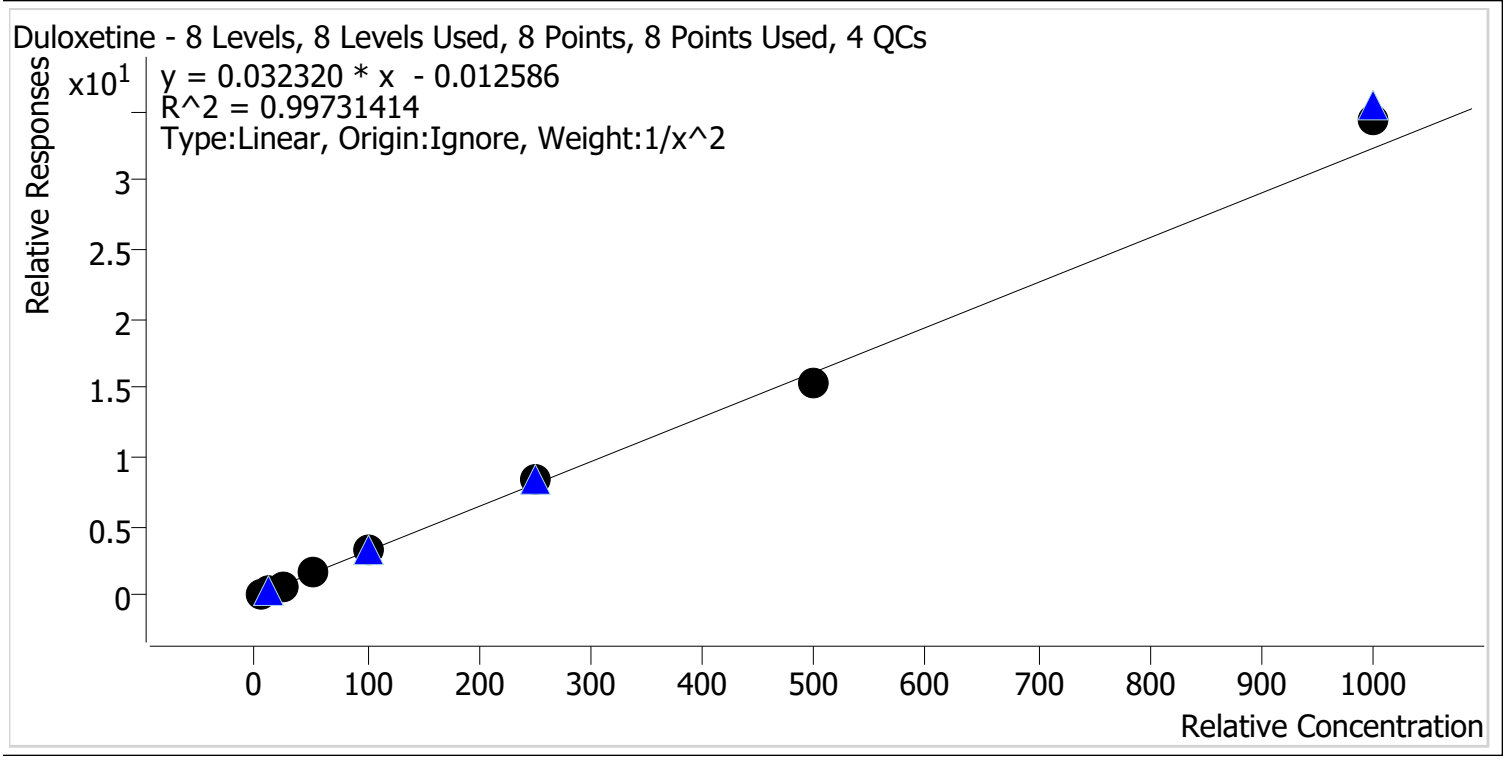
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Trazodone
Internal Standard	Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.1	102.9
cal 2 mdq	2	✔	10.0	9.8	97.7
cal 3 mdq	3	✔	25.0	23.5	94.0
cal 4 mdq	4	✔	50.0	47.7	95.3
cal 5 mdq	5	✔	100.0	95.3	95.3
cal 6 mdq	6	✔	250.0	255.6	102.2
cal 7 mdq	7	✔	500.0	526.1	105.2
cal 8 mdq	8	✔	1000.0	1072.7	107.3

Compound Calibration Report

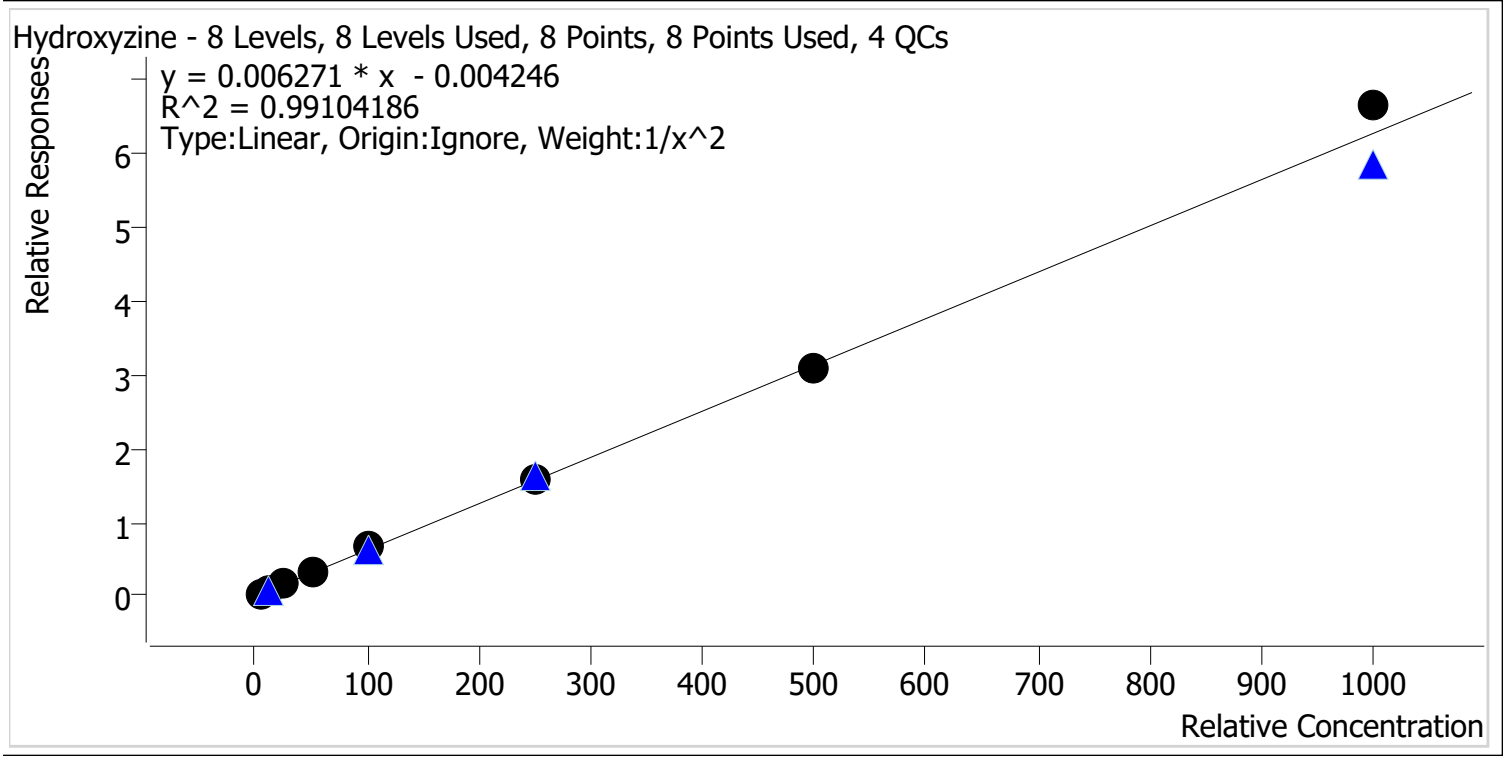
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Duloxetine
Internal Standard	Duloxetine-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.2	103.4
cal 2 mdq	2	✔	10.0	9.5	94.8
cal 3 mdq	3	✔	25.0	23.9	95.6
cal 4 mdq	4	✔	50.0	49.7	99.4
cal 5 mdq	5	✔	100.0	103.1	103.1
cal 6 mdq	6	✔	250.0	257.9	103.2
cal 7 mdq	7	✔	500.0	473.5	94.7
cal 8 mdq	8	✔	1000.0	1059.7	106.0

Compound Calibration Report

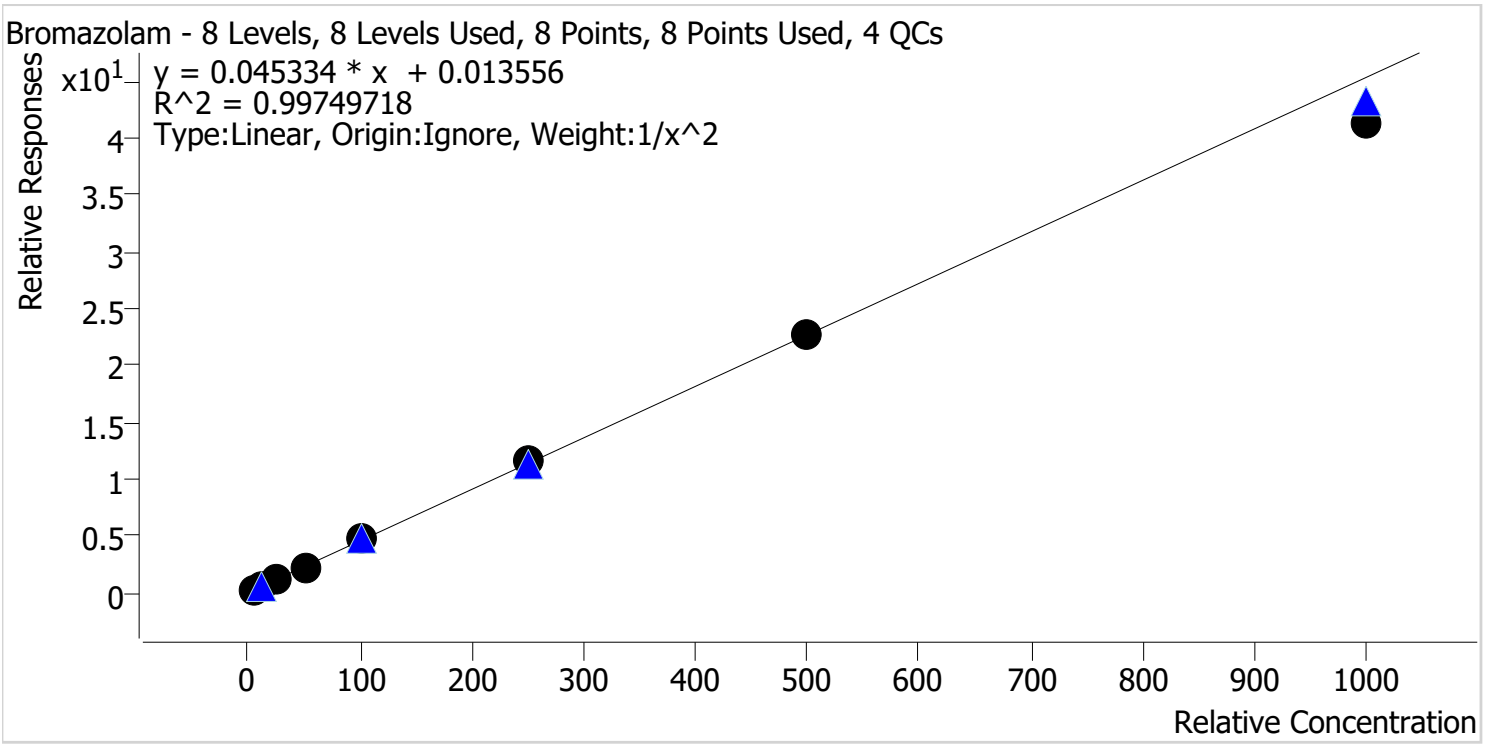
Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Hydroxyzine
Internal Standard	Diphenhydramine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.4	108.8
cal 2 mdq	2	✔	10.0	8.2	82.0
cal 3 mdq	3	✔	25.0	25.3	101.1
cal 4 mdq	4	✔	50.0	48.4	96.8
cal 5 mdq	5	✔	100.0	104.6	104.6
cal 6 mdq	6	✔	250.0	254.3	101.7
cal 7 mdq	7	✔	500.0	494.6	98.9
cal 8 mdq	8	✔	1000.0	1060.1	106.0

Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Last Cal. Update	10/3/2024 8:35 AM
Analyst Name	ISP\datastor
Analyte	Bromazolam
Internal Standard	Bromazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✔	5.0	5.0	99.7
cal 2 mdq	2	✔	10.0	9.8	97.9
cal 3 mdq	3	✔	25.0	26.6	106.2
cal 4 mdq	4	✔	50.0	49.7	99.4
cal 5 mdq	5	✔	100.0	102.7	102.7
cal 6 mdq	6	✔	250.0	255.5	102.2
cal 7 mdq	7	✔	500.0	503.0	100.6
cal 8 mdq	8	✔	1000.0	912.7	91.3

AM #28 Multi-Drug Quant. Results

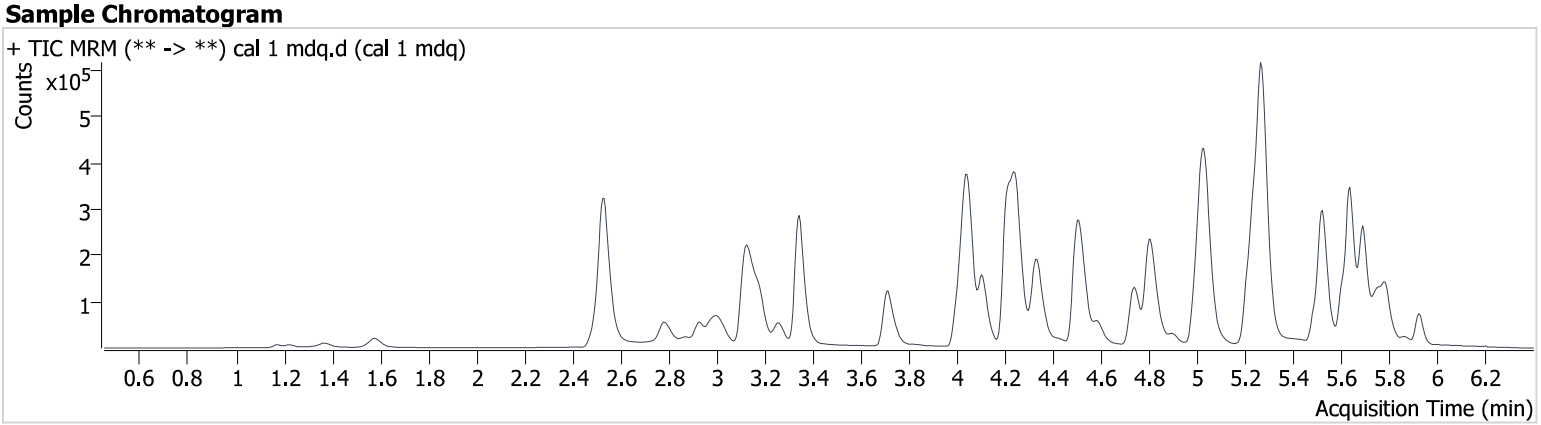
Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-A5
Injection Volume 2
Acq. Date-Time 10/1/2024 11:49:27 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	4.233	5424	36350.8	108.22		8722.8	48222	4.606	ng/ml
Alprazolam	5.749	21887	2663.5	86.75		5404.0	147911	5.159	ng/ml
Amphetamine	3.007	28077	1150.3	263.07		3827.4	151620	4.744	ng/ml
Benzoylecgonine	3.855	854	109.7	48.74		149.5	5070	5.048	ng/ml
Bromazolam	5.784	16979	1588.0	91.25		846.3	70849	4.987	ng/ml
Citalopram	5.210	41332	164284.1	41.17		145009.3	375559	4.940	ng/ml
Clonazepam	5.587	2891	22171.2	36.01		2581.7	9867	5.066	ng/ml
Diazepam	5.926	14736	∞	82.80		∞	122887	5.048	ng/ml
Diphenhydramine	5.270	41879	1318.0	304.90		21175.4	1241924	5.328	ng/ml
Duloxetine	5.635	6610	77.2	13.70	High	45.5	42794	5.169	ng/ml
EDDP	5.243	46254	4032371443.9	43.10		3352.3	407779	5.045	ng/ml
Hydroxyzine	5.674	37103	13381.6	136.62		807.8	1241924	5.442	ng/ml
Lorazepam	5.722	1023	167.3	43.99		23.6	11015	3.960	ng/ml
Methadone	5.639	69950	3069.1	59.86		10919.6	572846	5.118	ng/ml
Methamphetamine	3.186	104025	∞	34.96		4254.7	578923	4.661	ng/ml
Metoprolol	4.305	10833	20101.7	100.59		∞	876445	4.682	ng/ml
Mitragynine	5.183	14574	8384.3	34.05		5135.0	572846	4.999	ng/ml
Norbuprenorphine	4.982	311	47.2	75.51	Low	113.8	6438	0.633	ng/ml
Nordiazepam	5.870	3274	1435.4	64.15		374.2	18304	5.085	ng/ml
O-desmethyl-tramadol	3.348	83104	2774.3	6.92		∞	710510	4.975	ng/ml
Oxazepam	5.729	877	127.6	86.49		44.0	11015	4.742	ng/ml
Temazepam	5.796	11629	1569.5	27.92		122.9	93680	4.962	ng/ml
Tramadol	4.220	76470	3540.0	4.31		255.5	791556	4.842	ng/ml
Trazodone	5.039	36521	2816.6	130.54		3812.5	408225	5.145	ng/ml

AM #28 Multi-Drug Quant. Results

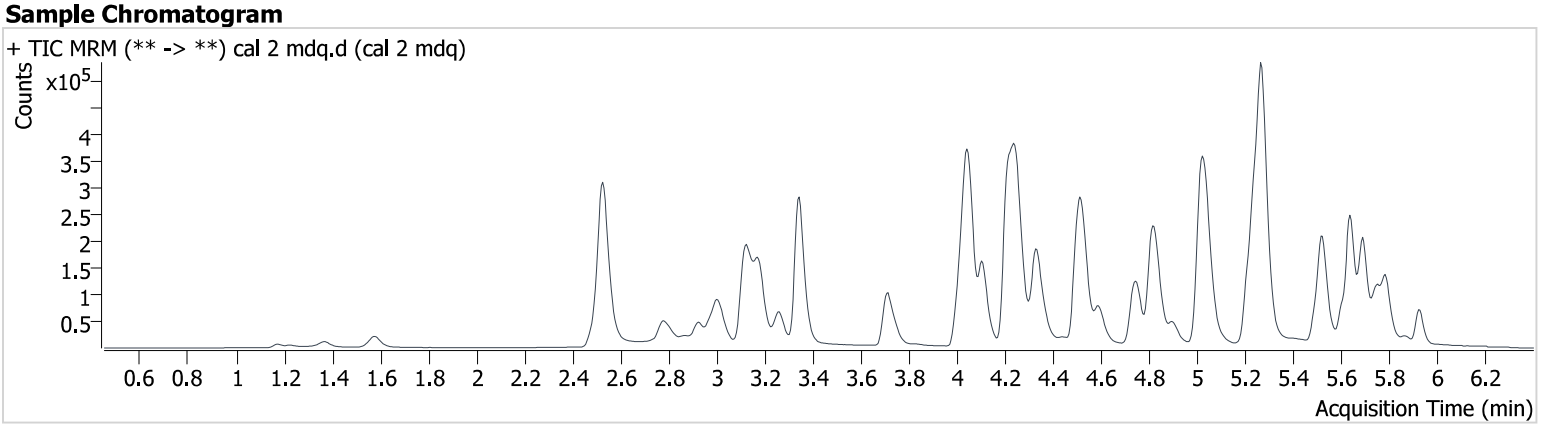
Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-B5
Injection Volume 2
Acq. Date-Time 10/1/2024 11:58:19 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	4.239	9305	175891.9	105.05		49181.1	40896	10.982	ng/ml
Alprazolam	5.744	35237	809.5	93.58		9496.2	130601	9.397	ng/ml
Amphetamine	3.007	45264	1966.5	259.17		23135.8	124544	10.681	ng/ml
Benzoylecgonine	3.850	1242	334.0	44.90		87.1	3638	10.686	ng/ml
Bromazolam	5.784	28015	521.0	95.36		1003.1	61280	9.785	ng/ml
Citalopram	5.210	63340	5838.5	41.89		82631.4	275930	10.226	ng/ml
Clonazepam	5.582	4669	∞	35.35		1721.9	9036	9.732	ng/ml
Diazepam	5.926	23851	∞	90.75		∞	101804	9.815	ng/ml
Diphenhydramine	5.270	57391	19080.3	331.91		22982.5	894388	9.953	ng/ml
Duloxetine	5.635	7025	201.5	8.31	**Low**	24.7	23919	9.476	ng/ml
EDDP	5.243	84115	∞	42.38		1088.8	373864	9.919	ng/ml
Hydroxyzine	5.674	42163	729.0	141.12		3464.7	894388	8.195	ng/ml
Lorazepam	5.722	1747	36.9	63.84	**High**	16.5	9071	9.519	ng/ml
Methadone	5.639	86438	149993.2	60.29		∞	359837	9.702	ng/ml
Methamphetamine	3.181	153804	8107.5	35.69		∞	481607	10.836	ng/ml
Metoprolol	4.305	18122	158615.3	103.03		∞	744944	10.579	ng/ml
Mitragynine	5.188	19921	13071.8	32.90		689.2	359837	10.171	ng/ml
Norbuprenorphine	4.971	330	167.6	105.29		52.5	4553	1.059	ng/ml
Nordiazepam	5.870	5139	910.3	66.54		240.2	15380	9.601	ng/ml
O-desmethyl-tramadol	3.348	147783	14220.0	6.45		∞	635504	10.011	ng/ml
Oxazepam	5.729	1803	72.2	70.82		26.5	9071	11.060	ng/ml
Temazepam	5.791	20281	12239.6	31.29		251.6	81754	10.217	ng/ml
Tramadol	4.220	133497	∞	4.27		546.5	686692	10.272	ng/ml
Trazodone	5.049	46437	4357.4	132.31		5523.4	258148	9.772	ng/ml

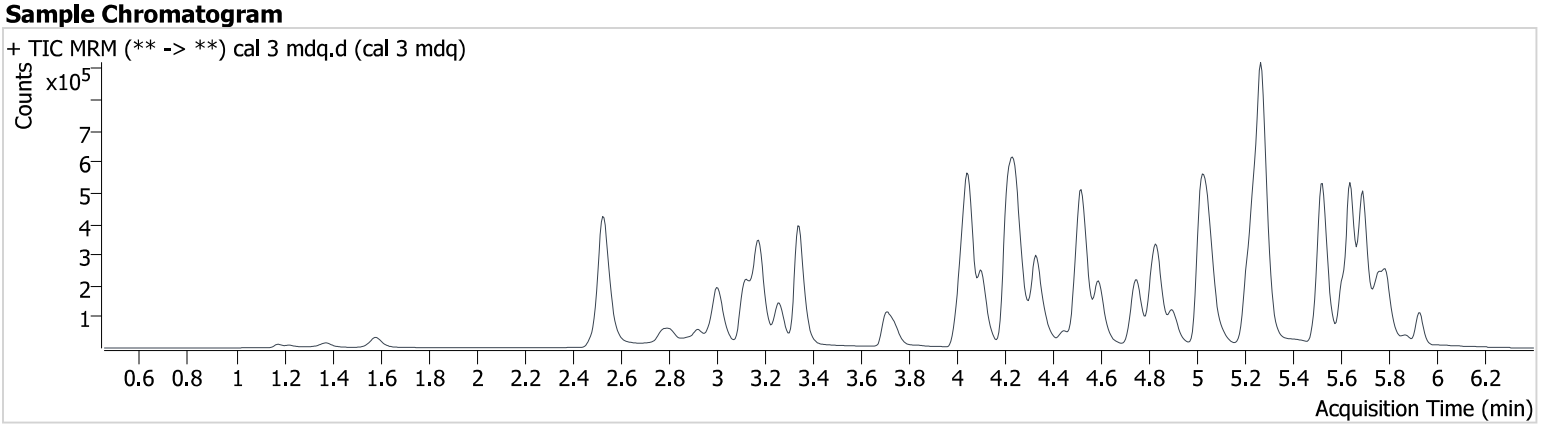
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-C5
Injection Volume 2
Acq. Date-Time 10/1/2024 12:07:02 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	4.233	24376	9889.4	106.12	93340.6	46055	27.705	ng/ml
Alprazolam	5.749	96281	10997.9	91.96	32060.7	135119	24.796	ng/ml
Amphetamine	3.002	119683	11687.2	270.52	23147.9	140165	27.016	ng/ml
Benzoylecgonine	3.850	3008	593.9	44.24	247.7	4063	23.693	ng/ml
Bromazolam	5.784	75741	1613.8	89.17	934.9	62226	26.550	ng/ml
Citalopram	5.210	207123	74134.6	40.54	248182.6	366712	25.058	ng/ml
Clonazepam	5.582	10901	∞	34.85	19174.2	9128	23.864	ng/ml
Diazepam	5.926	61773	32637.9	85.56	4757.7	105538	24.446	ng/ml
Diphenhydramine	5.270	186507	44816.0	323.46	1851426.4	1163750	24.548	ng/ml
Duloxetine	5.635	35178	1470.7	9.65	168.8	46316	23.890	ng/ml
EDDP	5.238	227861	94675.4	44.05	3669.6	402964	24.793	ng/ml
Hydroxyzine	5.674	179544	23483.1	130.74	110369.9	1163750	25.281	ng/ml
Lorazepam	5.722	4309	356.6	47.98	75.3	9118	25.132	ng/ml
Methadone	5.639	337159	27971.1	55.91	25438.5	550558	24.147	ng/ml
Methamphetamine	3.181	373850	∞	36.08	4538.2	544261	27.083	ng/ml
Metoprolol	4.300	48370	234934.6	99.30	10887.4	809865	28.025	ng/ml
Mitragynine	5.188	75607	28751.3	32.06	3104.8	550558	24.340	ng/ml
Norbuprenorphine	4.971	989	194.6	113.86	135.3	6166	2.615	ng/ml
Nordiazepam	5.870	14195	2952.5	63.85	4125.6	16406	25.048	ng/ml
O-desmethyl-tramadol	3.343	402226	67260.5	6.46	4270.3	681831	25.585	ng/ml
Oxazepam	5.729	4299	∞	77.42	47.3	9118	25.513	ng/ml
Temazepam	5.791	51031	6576.3	30.20	1008.1	85306	25.063	ng/ml
Tramadol	4.220	372522	98078.2	3.94	4550.5	765983	26.480	ng/ml
Trazodone	5.055	169371	34305.2	129.28	236526.9	377892	23.503	ng/ml

AM #28 Multi-Drug Quant. Results

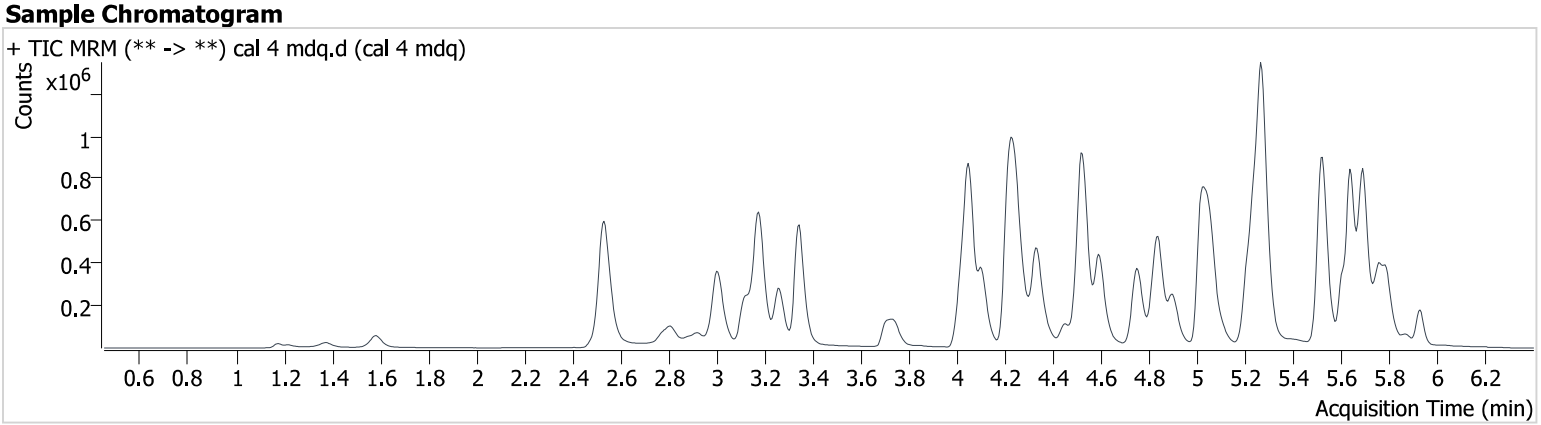
Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-D5
Injection Volume 2
Acq. Date-Time 10/1/2024 12:15:44 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	4.228	46785	8085.1	103.42	∞	46332	54.335	ng/ml
Alprazolam	5.749	197017	11955.8	91.28	∞	136039	50.384	ng/ml
Amphetamine	3.002	246182	12003.6	258.56	58026.2	153210	52.095	ng/ml
Benzoylecgonine	3.850	6640	1234.1	43.11	395.1	4536	47.279	ng/ml
Bromazolam	5.784	139466	3018.4	96.52	1251.3	61524	49.705	ng/ml
Citalopram	5.210	420525	∞	41.23	338645.3	371568	50.140	ng/ml
Clonazepam	5.582	24736	∞	33.39	390891.6	9396	53.872	ng/ml
Diazepam	5.926	135121	2813.5	86.88	10309.1	112522	50.100	ng/ml
Diphenhydramine	5.270	388801	∞	337.91	691485.6	1245291	47.628	ng/ml
Duloxetine	5.635	75105	366.1	10.39	149.0	47131	49.695	ng/ml
EDDP	5.238	468286	346344.1	42.56	50176.3	426964	48.005	ng/ml
Hydroxyzine	5.674	372795	186615.7	133.28	139981.3	1245291	48.419	ng/ml
Lorazepam	5.722	9273	13818.4	39.84	∞	10633	47.402	ng/ml
Methadone	5.639	745925	228334.0	54.15	73671.9	588828	49.545	ng/ml
Methamphetamine	3.181	753080	209967.6	36.91	∞	569042	55.221	ng/ml
Metoprolol	4.300	96704	176827.0	96.22	∞	828555	56.109	ng/ml
Mitragynine	5.188	164827	3470.8	32.63	8313.9	588828	48.989	ng/ml
Norbuprenorphine	4.971	1954	197.2	109.36	492.8	6933	4.764	ng/ml
Nordiazepam	5.870	30135	6621.8	63.47	5192.4	16893	51.768	ng/ml
O-desmethyl-tramadol	3.343	840076	172250.2	6.75	4843.6	732135	49.879	ng/ml
Oxazepam	5.729	9281	4371.1	65.60	479.8	10633	46.785	ng/ml
Temazepam	5.791	95235	7691.8	31.34	473.1	83426	48.102	ng/ml
Tramadol	4.220	765295	∞	4.03	3033.5	804726	52.278	ng/ml
Trazodone	5.055	371039	11923.5	133.22	46119.3	403248	47.652	ng/ml

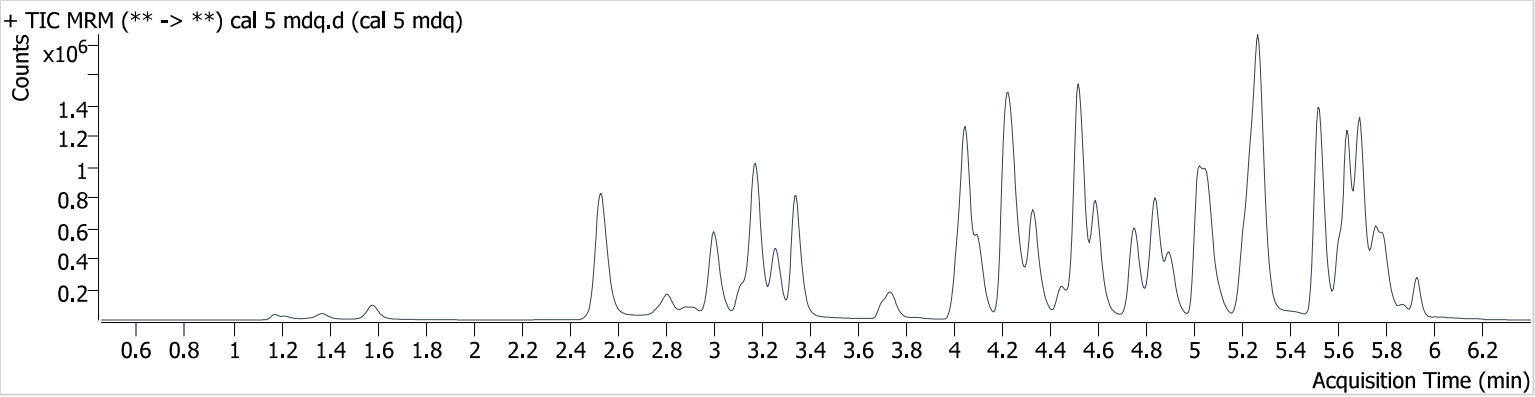
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-E5
Injection Volume 2
Acq. Date-Time 10/1/2024 12:24:26 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	4.228	80904	3231765635 6133.2	105.35	14895.4	41748	105.773	ng/ml
Alprazolam	5.744	347554	7628.7	88.06	64823.1	124243	97.310	ng/ml
Amphetamine	3.002	402445	25869.4	258.61	61929.8	133913	98.672	ng/ml
Benzoylecgonine	3.845	13532	1505.6	44.78	844.6	4575	95.988	ng/ml
Bromazolam	5.784	245784	∞	91.07	4373.3	52624	102.728	ng/ml
Citalopram	5.210	739412	43691.2	42.00	848100.6	329211	99.434	ng/ml
Clonazepam	5.582	43016	81497.9	37.13	58392.3	8677	102.367	ng/ml
Diazepam	5.926	243327	4861.4	84.45	6706.2	93558	108.449	ng/ml
Diphenhydramine	5.270	703587	96705.7	325.21	412054.4	1069683	100.111	ng/ml
Duloxetine	5.635	134619	280.4	10.94	192.2	40561	103.080	ng/ml
EDDP	5.238	823557	96700.5	43.74	92522.9	355424	101.318	ng/ml
Hydroxyzine	5.674	697172	63672.9	136.35	112863.6	1069683	104.617	ng/ml
Lorazepam	5.722	16171	∞	43.93	4196.1	8294	107.480	ng/ml
Methadone	5.639	1320512	19692.0	53.67	499818.0	530702	96.950	ng/ml
Methamphetamine	3.176	1287843	2623857.4	37.05	32427.1	532450	103.640	ng/ml
Metoprolol	4.300	158481	∞	95.99	1271058876 4632.5	740419	104.073	ng/ml
Mitragynine	5.188	296540	52697.9	34.28	22064.9	530702	97.190	ng/ml
Norbuprenorphine	4.971	3622	945.6	100.43	370.7	6029	10.411	ng/ml
Nordiazepam	5.870	54168	10374.6	62.14	1992.9	15941	98.722	ng/ml
O-desmethyl-tramadol	3.343	1520768	62320.3	6.71	20321.1	661272	100.094	ng/ml
Oxazepam	5.724	15942	3056.3	78.29	1662.2	8294	102.396	ng/ml
Temazepam	5.791	162593	6280.0	32.15	∞	68695	100.059	ng/ml
Tramadol	4.214	1372944	∞	4.02	∞	722573	104.971	ng/ml
Trazodone	5.055	699087	90766.7	129.49	150132.7	377452	95.344	ng/ml

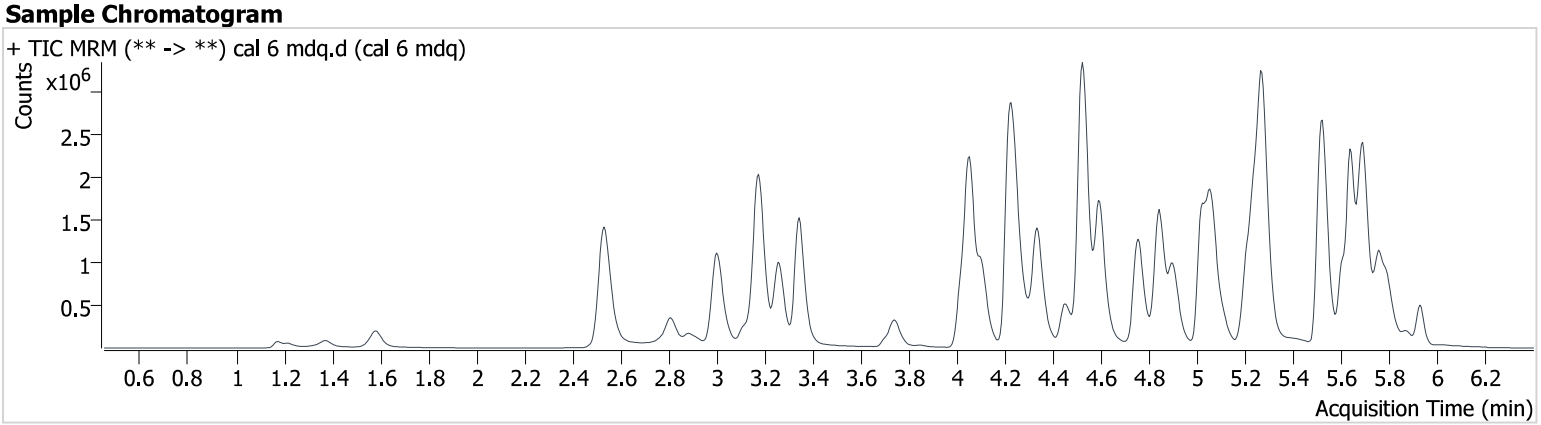
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-F5
Injection Volume 2
Acq. Date-Time 10/1/2024 12:33:08 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	4.228	134705	29347.2	105.31	12334.1	32027	231.476	ng/ml
Alprazolam	5.749	722447	∞	92.27	104619.7	99156	253.431	ng/ml
Amphetamine	3.002	821084	∞	260.33	87197.7	124378	218.451	ng/ml
Benzoylecgonine	3.845	35135	3690.9	43.72	4103.6	4255	268.774	ng/ml
Bromazolam	5.784	457241	∞	88.32	2808.1	39436	255.460	ng/ml
Citalopram	5.210	1592353	∞	41.21	1327717.9	272883	258.224	ng/ml
Clonazepam	5.582	93804	∞	34.50	∞	7405	263.194	ng/ml
Diazepam	5.926	503451	∞	84.17	16069.7	82731	253.681	ng/ml
Diphenhydramine	5.275	1503336	191046.7	332.77	468596.3	932377	245.106	ng/ml
Duloxetine	5.635	254269	10044.6	11.84	698.0	30550	257.909	ng/ml
EDDP	5.238	1752635	54799.4	42.87	112885.3	310953	246.326	ng/ml
Hydroxyzine	5.674	1482722	579900.3	129.11	866731.1	932377	254.286	ng/ml
Lorazepam	5.722	39031	∞	44.17	658.7	8315	260.469	ng/ml
Methadone	5.639	3066051	9602393.4	54.15	401284.0	477595	249.536	ng/ml
Methamphetamine	3.176	2842666	2041500.1	37.12	130989.5	526343	235.465	ng/ml
Metoprolol	4.305	291417	2733378.3	96.52	∞	634616	224.891	ng/ml
Mitragynine	5.188	692096	108547.5	34.01	50934.0	477595	251.098	ng/ml
Norbuprenorphine	4.971	8245	1186.3	99.42	1845.4	5976	24.191	ng/ml
Nordiazepam	5.870	117887	7630.9	63.02	47692.0	13940	245.869	ng/ml
O-desmethyl-tramadol	3.343	3547432	262550.5	6.52	45348.4	610051	253.277	ng/ml
Oxazepam	5.724	38965	6653.1	73.84	3000.9	8315	248.884	ng/ml
Temazepam	5.796	299550	39461.0	32.10	2400.6	51201	247.771	ng/ml
Tramadol	4.220	3026586	∞	3.97	2609.2	668830	250.718	ng/ml
Trazodone	5.060	1591150	689274.9	130.69	144690.0	319311	255.560	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-G5
Injection Volume 2
Acq. Date-Time 10/1/2024 12:41:47 PM
Sample Info.

Data File cal 7 mdq.d
Sample cal 7 mdq
Operator Anne Nord
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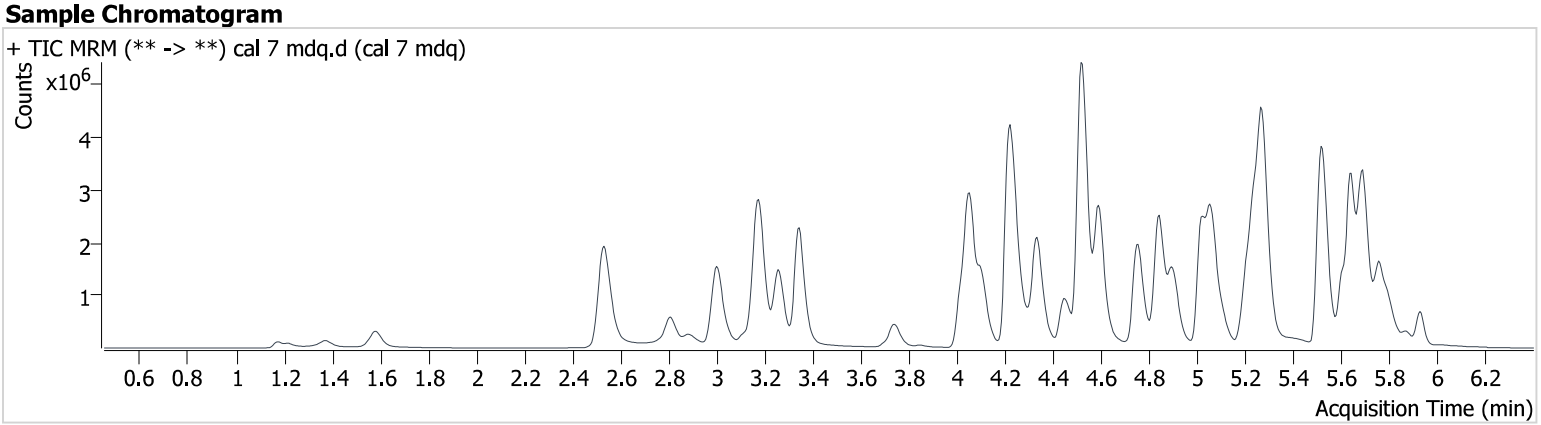
Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.223	169095	∞	106.51	18528.4	23272	401.061	ng/ml
Alprazolam	5.749	1051568	∞	94.45	∞	71680	510.274	ng/ml
Amphetamine	3.002	1089456	167571.1	273.31	496713.7	102627	352.151	ng/ml
Benzoylecgonine	3.845	60889	23187.3	45.34	4296.6	3927	505.057	ng/ml
Bromazolam	5.789	603798	∞	89.59	∞	26462	503.034	ng/ml
Citalopram	5.210	2269259	433473.0	43.72	3102156.3	207250	484.471	ng/ml
Clonazepam	5.582	145282	38946.4	36.54	27774800.2	6348	476.367	ng/ml
Diazepam	5.926	703239	38042.4	88.42	∞	62160	471.573	ng/ml
Diphenhydramine	5.275	2261645	∞	314.05	∞	666282	515.780	ng/ml
Duloxetine	5.635	333917	∞	11.46	4784.8	21836	473.533	ng/ml
EDDP	5.238	3093987	126935.9	42.97	∞	270664	499.482	ng/ml
Hydroxyzine	5.674	2063385	196687.2	135.18	244868.8	666282	494.553	ng/ml
Lorazepam	5.722	63653	29970.5	45.75	9123.7	7211	490.924	ng/ml
Methadone	5.639	4957143	531589.6	48.83	111157.1	372976	516.207	ng/ml
Methamphetamine	3.176	4191231	∞	36.34	109480.7	449306	409.082	ng/ml
Metoprolol	4.305	396458	1400836.4	97.49	∞	473608	411.126	ng/ml
Mitragynine	5.188	1076379	386784.4	35.93	19235.2	372976	499.462	ng/ml
Norbuprenorphine	4.971	14453	1430.1	96.24	1444.6	5227	48.707	ng/ml
Nordiazepam	5.870	187273	74671.6	60.81	16442.4	10850	501.943	ng/ml
O-desmethyl-tramadol	3.343	5785257	412633.8	6.34	81934.6	509625	494.563	ng/ml
Oxazepam	5.724	67259	6127.2	71.72	1417.5	7211	494.906	ng/ml
Temazepam	5.796	403600	88221.0	32.67	9750.0	33746	506.821	ng/ml
Tramadol	4.214	4664669	∞	3.89	2289.2	538050	480.816	ng/ml
Trazodone	5.060	2471476	328397.8	131.00	717894.6	240647	526.109	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\100124\QuantResults\AM28 cases.batch.bin
Calibration Last Update 10/3/2024 8:35:57 AM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-H5
Injection Volume 2
Acq. Date-Time 10/1/2024 12:59:09 PM
Sample Info.

Data File cal 8 mdq.d
Sample cal 8 mdq
Operator Anne Nord
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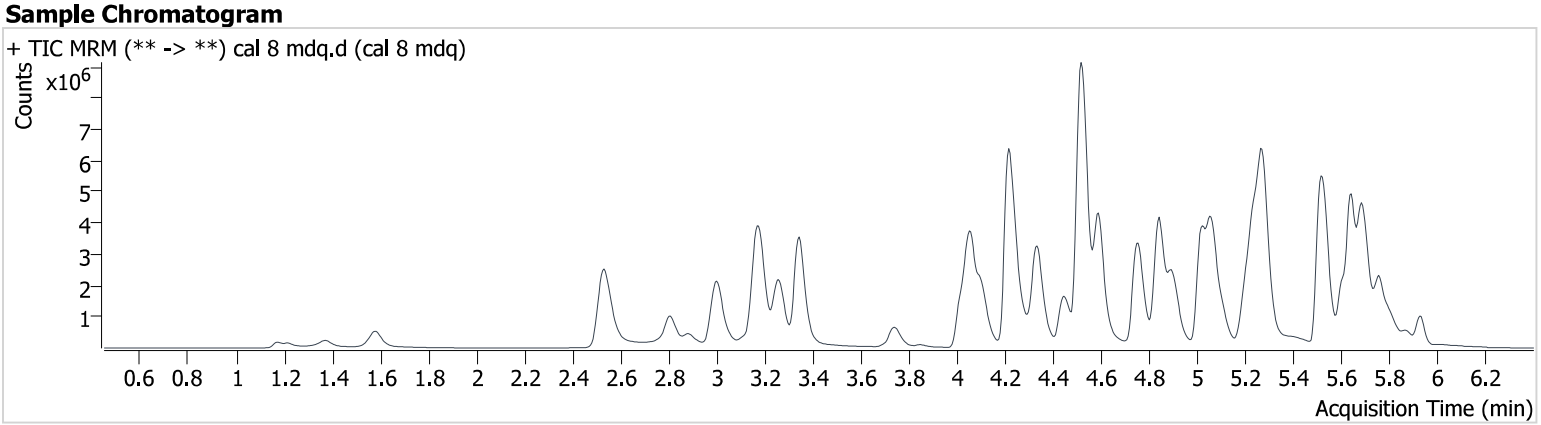
Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
7-aminoclonazepam	4.223	170364	14757.7	107.57	99839.5	15442	609.801	ng/ml
Alprazolam	5.749	1563376	∞	92.72	∞	53226	1021.644	ng/ml
Amphetamine	3.002	1589503	128038.0	260.35	640099.1	93952	562.069	ng/ml
Benzoylecgonine	3.845	130476	23403.8	43.29	8371.4	4323	983.476	ng/ml
Bromazolam	5.789	808736	9108.1	90.03	∞	19540	912.674	ng/ml
Citalopram	5.205	3195076	149213.8	43.70	∞	143056	988.147	ng/ml
Clonazepam	5.582	233649	26387.9	33.77	109934.3	5112	952.431	ng/ml
Diazepam	5.931	1103319	∞	86.84	39740.0	46606	986.724	ng/ml
Diphenhydramine	5.275	3008236	1645759.7	347.67	3913928.6	460908	991.546	ng/ml
Duloxetine	5.635	382028	3814.8	10.55	2345.5	11159	1059.654	ng/ml
EDDP	5.238	5929058	∞	41.68	∞	246777	1049.718	ng/ml
Hydroxyzine	5.679	3061992	169872.7	129.91	370358.0	460908	1060.141	ng/ml
Lorazepam	5.722	121480	∞	46.94	10760.3	7134	948.142	ng/ml
Methadone	5.639	8053801	516450.8	48.92	3360190.4	297980	1049.361	ng/ml
Methamphetamine	3.176	6502424	∞	36.21	2995719.8	439125	651.306	ng/ml
Metoprolol	4.300	568526	1452983.0	96.20	∞	357084	783.217	ng/ml
Mitragynine	5.183	1816708	299723.2	34.87	399343.6	297980	1054.486	ng/ml
Norbuprenorphine	4.971	26559	4394.4	98.16	1806.8	4606	101.812	ng/ml
Nordiazepam	5.870	325513	575627.3	61.49	24971.7	9363	1011.116	ng/ml
O-desmethyl-tramadol	3.345	9989915	966262.9	6.32	73076.4	444238	979.827	ng/ml
Oxazepam	5.724	131839	4534.6	70.69	9663.7	7134	980.039	ng/ml
Temazepam	5.796	576858	64474.5	31.55	11465.4	24067	1016.020	ng/ml
Tramadol	4.214	7498690	∞	3.73	∞	469934	885.410	ng/ml
Trazodone	5.060	4004701	1759209.8	130.14	911121.5	191147	1072.665	ng/ml