TS 7/26/2024

REVIEWED
By Sarah Collins at 1:37 pm, Jul 26, 2024

Worklist: 6876

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
M2024-2397	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-2483	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-2484	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-2682	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
M2024-2846	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2024-1831	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1832	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1851	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1858	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1859	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1873	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1946	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1947	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1948	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1953	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1960	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-1971	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2000	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2004	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-2005	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-	
P2024-2007	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 6876

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LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2024-2081	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-
P2024-2150	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-
P2024-2157	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ

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

Extraction Date: 07/22/2024
Panel 1 Plate lot#: 240528
Mobile phase A: 5mM Amm Form + 0.01% FA
Blank Blood Lot: Lampire 24052816
Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

Analyst: Tamara Salazar
Panel 1 Plate Retest Date: 11/28/2024
Mobile phase B: 0.01% Formic Acid in MeOH
Blank Urine Lot: POC021022
LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Urine Hydrolysis: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
☒ 3. Using a calibrated pipette, pipette 250µL blood or 250µL hydrolyzed urine in wells of analytical (standards) plate. Pipette ID: 42
☒ 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **200-450µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate. *Transferred: 250uL*
☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)***
☒ 8. Wait 5 minutes.
☒ 9. Add **900uL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **900uL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
☒ 16. Add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying. This step is required for urine samples, but optional for blood samples.
☒ 17. Reconstitute in 100µL 20% 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 Included:

7-aminoclonazepam: 5-250 -- calibrators 7 and 8 dropped due to linearity
Alprazolam
Amphetamine: 5-250 -- calibrators 7 and 8 dropped due to linearity
Benzoylecgonine
Bromazolam
Buprenorphine
Bupropion

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Citalopram
Clonazepam
Cyclobenzaprine
Diazepam
Diphenhydramine
Duloxetine: 10-100 -- calibrator 1 dropped due to ratio
EDDP
Fentanyl
Fluoxetine
Hydrocodone
Hydroxyzine
Ketamine: 5-500 -- calibrator 8 dropped due to linearity
Lamotrigine: 50-1000 -- calibrators 6, 7, and 8 dropped due to linearity Lorazepam
Methadone
Methamphetamine
Metoprolol: 5-500 -- calibrator 8 dropped due to linearity Mirtazapine
Norbuprenorphine - **Samples showing responses of 0.5-1.0ng/mL will be reported qualitatively due to calibrator 1 accuracy being between 20% and 30%**
Nordiazepam
Norfentanyl
Norhydrocodone: 5-500 -- calibrator 8 dropped due to linearity Trazodone: 5-500 -- calibrator 8 dropped due to linearity

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1							P2024-2007-1	P2024-1946-1	M2024-2483-6	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2						P2024-2150-2	P2024-2004-1	P2024-1873-1	M2024-2397-1	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3						M2024-2846-2	P2024-2000-3	P2024-1859-3	Neg Blood	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4						P2024-2081-2	P2024-1971-1	P2024-1858-1	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2						P2024-2005-1	P2024-1960-1	P2024-1851-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6							M2024-2682-2	P2024-1953-1	P2024-1832-1	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7							Neg Urine	P2024-1948-1	P2024-1831-1	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8							P2024-2157-1	P2024-1947-1	M2024-2484-4	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

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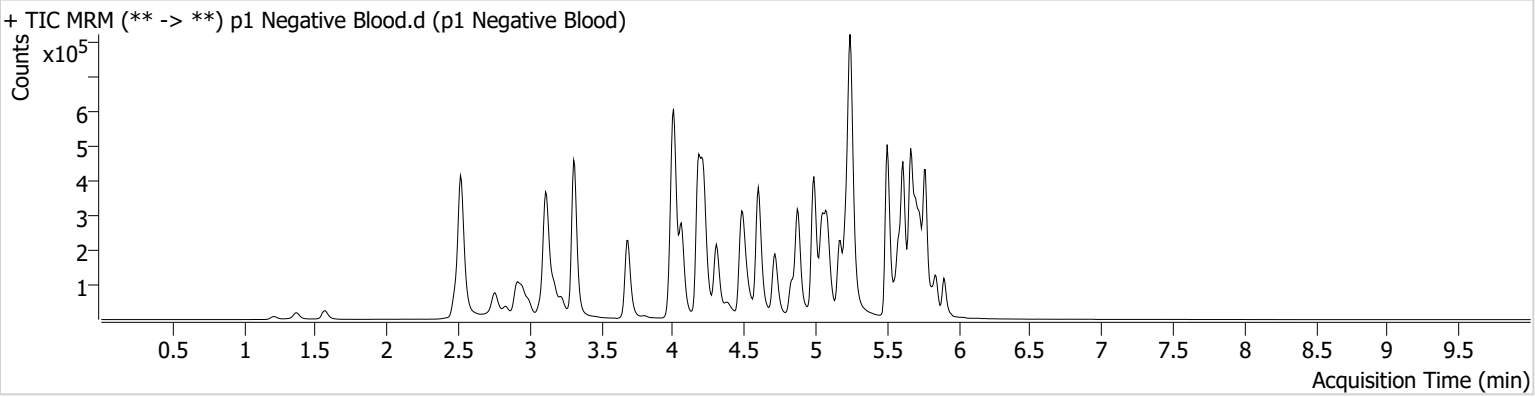
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument	Falco (069901)	**Data File**	p1 Negative Blood.d
Type	Sample	**Sample**	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P6-C11	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	7/23/2024 3:39:00 AM		
Sample Info.			

Sample Chromatogram



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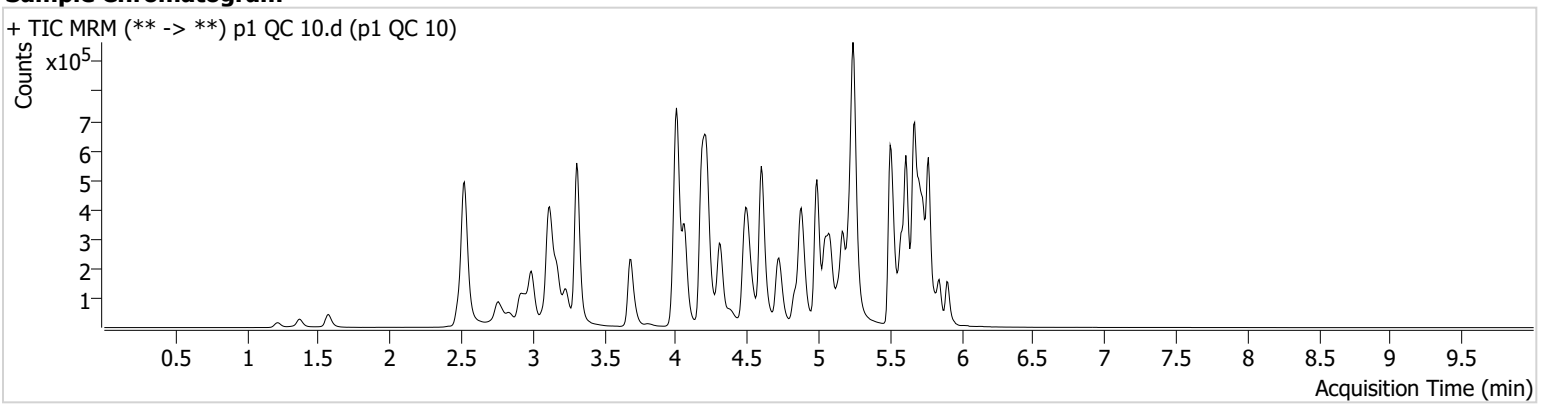
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P6-H11
Injection Volume 2
Acq. Date-Time 7/23/2024 2:35:06 AM
Sample Info.

Data File p1 QC 10.d
Sample p1 QC 10
Operator Tamara Salazar
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	4.217	36805	718.77	74.8	121.33	148120	10.6375 ng/ml
Alprazolam	5.728	70026	336.61	107.2	417.51	286572	9.5425 ng/ml
Amphetamine	2.992	261766	117.72	50.2	2217.34	327687	9.9821 ng/ml
Benzoylecgonine	3.835	3898	61.28	36.7	47.99	13611	8.8212 ng/ml
Bromazolam	5.766	55421	625.52	113.8	1503.93	145733	9.5893 ng/ml
Buprenorphine	5.840	3420	75.90	15.1	391.42	125212	1.0407 ng/ml
Bupropion	4.738	138863	406.64	62.9	577.07	488954	9.2785 ng/ml
Citalopram	5.173	115156	774.62	38.7	579.35	566360	9.1360 ng/ml
Clonazepam	5.570	82425	296.29	36.1	1043.91	116260	9.7593 ng/ml
Cyclobenzaprine	5.586	114509	4603.47	9.0	4901.66	419127	9.4008 ng/ml
Diazepam	5.906	51667	869.86	90.0	413.30	211721	9.7904 ng/ml
Diphenhydramine	5.251	317440	524.98	29.6	247.84	1810911	9.0972 ng/ml
Duloxetine	5.606	14822	402.37	13.9	1933.24	74193	10.4879 ng/ml
EDDP	5.215	83025	327.74	41.2	550.00	390325	9.6910 ng/ml
Fentanyl	5.062	11657	104.46	75.6	3426.38	665099	0.9306 ng/ml
Fluoxetine	5.666	159271	3956.51	8.4	21871.15	565789	9.9685 ng/ml
Hydrocodone	2.975	49261	50.87	36.5	230.89	231847	9.8521 ng/ml
Hydroxyzine	5.670	142324	2266.28	69.9	1392.51	331555	9.3984 ng/ml
Ketamine	4.007	94506	1146.31	36.4	100.47	399655	9.6996 ng/ml
Lamotrigine	4.225	84057	357.27	86.2	348.65	1273020	96.3858 ng/ml
Lorazepam	5.706	71642	864.12	53.2	166.45	432516	10.0854 ng/ml
Methadone	5.618	189141	1586.25	51.9	762.90	761180	9.2156 ng/ml
Methamphetamine	3.175	340972	2134.19	37.7	265.42	726657	9.5707 ng/ml
Metoprolol	4.272	26853	148.10	102.9	1336.07	1124966	9.7310 ng/ml
Mirtazapine	4.600	194977	1060.83	53.4	659.25	560982	9.5359 ng/ml
Norbuprenorphine	4.944	615	840.43	109.4	872.92	26486	0.8290 ng/ml
Nordiazepam	5.853	57258	399.82	57.0	260.92	174732	9.7399 ng/ml
Norfentanyl	4.028	22351	144.53	38.3	32.33	935646	0.9368 ng/ml
Norhydrocodone	3.009	10194	93.23	37.8	136.89	77247	9.8885 ng/ml
Trazodone	5.136	186268	9263.26	59.6	1155.31	651220	9.3634 ng/ml

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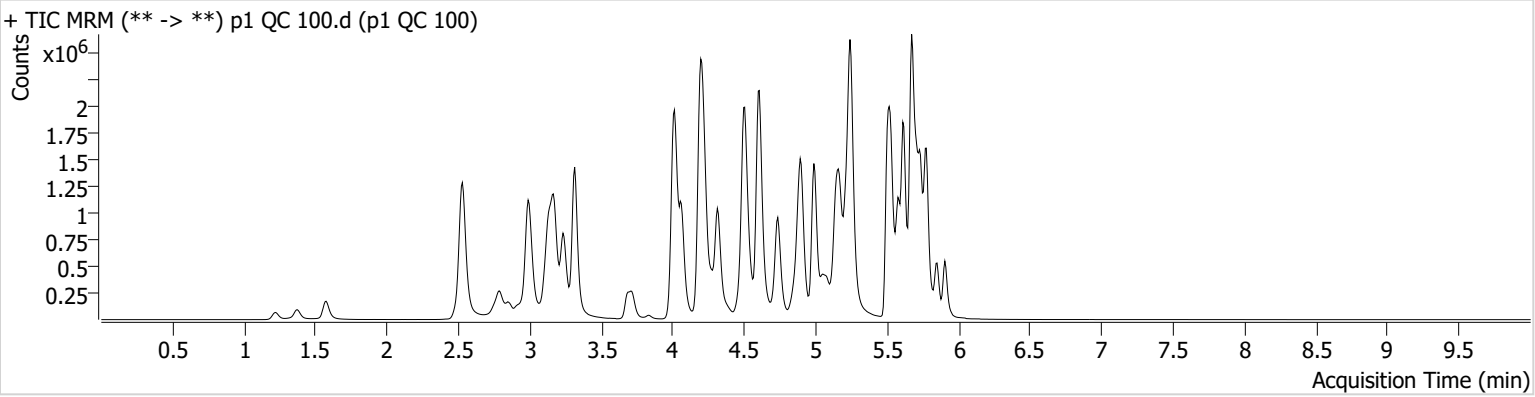
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument	Falco (069901)	**Data File**	p1 QC 100.d
Type	QC	**Sample**	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P6-G11	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	7/23/2024 1:25:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.217	198123	6775.35	76.8	136.51	92913	99.5913 ng/ml
Alprazolam	5.734	636606	2414.51	105.9	924.77	240422	101.2569 ng/ml
Amphetamine	2.992	2219494	15507.94	47.2	27482.56	306958	101.1019 ng/ml
Benzoylecgonine	3.835	36774	1879.51	37.3	97.46	12791	95.8022 ng/ml
Bromazolam	5.766	462559	8405.97	118.2	481502.15	117388	104.1173 ng/ml
Buprenorphine	5.847	36064	3819.72	14.4	15606.93	130596	10.5408 ng/ml
Bupropion	4.738	1403126	5248.05	63.1	12542.94	472906	96.5894 ng/ml
Citalopram	5.173	1147000	1779.97	37.1	3405.15	523629	95.6230 ng/ml
Clonazepam	5.570	697718	11831.04	36.0	1404.27	92830	114.0180 ng/ml
Cyclobenzaprine	5.586	1136948	13961.54	8.7	3377.91	397866	92.8470 ng/ml
Diazepam	5.906	473370	1420.69	93.0	685.93	190403	98.7236 ng/ml
Diphenhydramine	5.251	3141524	1894.53	30.3	29550.52	1698558	92.7727 ng/ml
Duloxetine	5.612	140259	4774.57	13.8	1074.66	69482	103.1861 ng/ml
EDDP	5.215	692956	868.40	41.8	971.63	306569	99.7264 ng/ml
Fentanyl	5.062	114842	123.94	80.6	332.25	668707	9.2057 ng/ml
Fluoxetine	5.666	1466120	40942.80	7.9	3427.12	501765	104.5268 ng/ml
Hydrocodone	2.975	466578	∞	37.1	87.16	215825	104.5013 ng/ml
Hydroxyzine	5.670	1394888	2071463.64	70.8	13895.79	311301	96.0002 ng/ml
Ketamine	4.001	892357	29622.14	36.4	612.93	379872	102.4581 ng/ml
Lamotrigine	4.225	572823	640.26	87.9	27929.89	1156996	818.9681 ng/ml
Lorazepam	5.706	470849	2036.59	54.6	1054.78	324916	100.7057 ng/ml
Methadone	5.618	1809708	11788.39	53.6	1989.63	713164	91.7862 ng/ml
Methamphetamine	3.175	2169780	1365.46	36.8	528.52	717387	106.2956 ng/ml
Metoprolol	4.272	269864	8227.08	103.6	369832.59	1066840	107.7696 ng/ml
Mirtazapine	4.600	1898928	6132.38	54.0	237556.73	536697	99.5189 ng/ml
Norbuprenorphine	4.944	5714	8080.10	108.3	28.06	26211	9.5251 ng/ml
Nordiazepam	5.853	519816	4478.88	55.5	661.60	152287	103.1540 ng/ml
Norfentanyl	4.028	209842	4218.58	38.2	566.44	806547	9.6806 ng/ml
Norhydrocodone	3.009	103784	2400.07	39.2	121.65	70653	102.3817 ng/ml
Trazodone	5.143	1853170	1525032.82	63.0	49443.34	643309	99.2345 ng/ml

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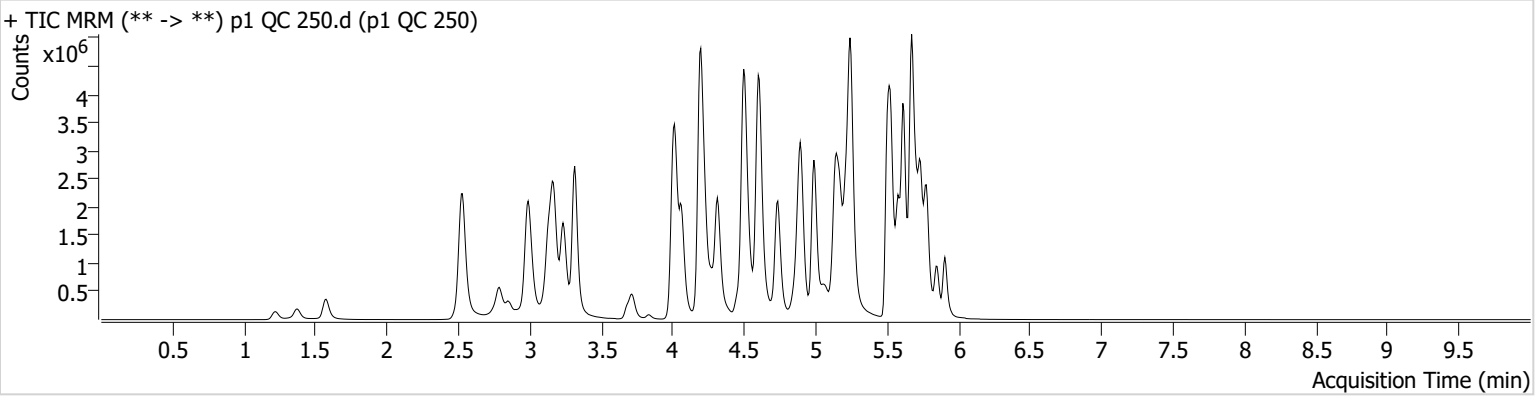
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument	Falco (069901)	**Data File**	p1 QC 250.d
Type	QC	**Sample**	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P6-F11	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	7/23/2024 2:56:23 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	300203	232.12	78.1	3175.36	69051	204.1907 ng/ml
Alprazolam	5.728	1383646	1373.84	105.3	1886.84	212314	248.8961 ng/ml
Amphetamine	2.992	4371992	125955.18	47.4	115420.76	290355	211.9847 ng/ml
Benzoylecgonine	3.835	89225	1319.93	36.8	145.50	11933	250.4491 ng/ml
Bromazolam	5.766	868853	9258.36	117.8	478905.80	93324	246.6903 ng/ml
Buprenorphine	5.840	86863	639.13	14.7	273.47	126184	26.2792 ng/ml
Bupropion	4.738	3416222	18784.59	62.5	764.21	453516	245.1665 ng/ml
Citalopram	5.173	2635085	1819.26	36.3	2205.64	463673	247.6305 ng/ml
Clonazepam	5.563	1281945	25921.26	36.2	4080.66	76154	256.7274 ng/ml
Cyclobenzaprine	5.586	2745261	51935.11	8.2	347.32	368893	240.8658 ng/ml
Diazepam	5.906	1112246	899.78	93.3	1221.14	177194	249.0873 ng/ml
Diphenhydramine	5.251	7379354	34276.35	30.4	695.80	1528166	241.6772 ng/ml
Duloxetine	5.606	305587	9496.86	13.3	1940.62	59277	263.0449 ng/ml
EDDP	5.215	1720361	2781.50	41.9	958.69	301315	251.3859 ng/ml
Fentanyl	5.062	292120	306.01	80.5	58576.42	670680	23.3625 ng/ml
Fluoxetine	5.666	2989763	4741.94	7.9	3825.89	425745	251.3729 ng/ml
Hydrocodone	2.975	1060386	∞	36.6	∞	198897	258.3924 ng/ml
Hydroxyzine	5.670	3250621	61439.23	73.5	4575.01	285136	243.9015 ng/ml
Ketamine	4.001	1919157	1196.69	36.0	1121.15	344537	243.8878 ng/ml
Lamotrigine	4.225	943521	36299.27	87.4	14834.81	997302	1578.4552 ng/ml
Lorazepam	5.706	654363	5112.58	54.9	870.82	204202	224.6409 ng/ml
Methadone	5.618	4534690	97590.76	50.5	6848.68	660439	247.9247 ng/ml
Methamphetamine	3.168	4845550	33329.53	36.8	239.25	681747	260.8461 ng/ml
Metoprolol	4.272	564944	1290.62	104.2	7607.01	977931	246.7417 ng/ml
Mirtazapine	4.593	4392669	119275.06	52.4	504.13	495864	249.5683 ng/ml
Norbuprenorphine	4.944	14064	4685.76	98.4	23681.50	25027	24.8803 ng/ml
Nordiazepam	5.853	1085854	∞	56.6	16889.91	131003	250.7465 ng/ml
Norfentanyl	4.028	420895	39185.76	38.4	905.41	616701	25.3089 ng/ml
Norhydrocodone	3.009	253375	901.40	40.2	1931.34	63407	277.2114 ng/ml
Trazodone	5.136	4317472	331894.92	66.0	631844.96	639515	233.2964 ng/ml

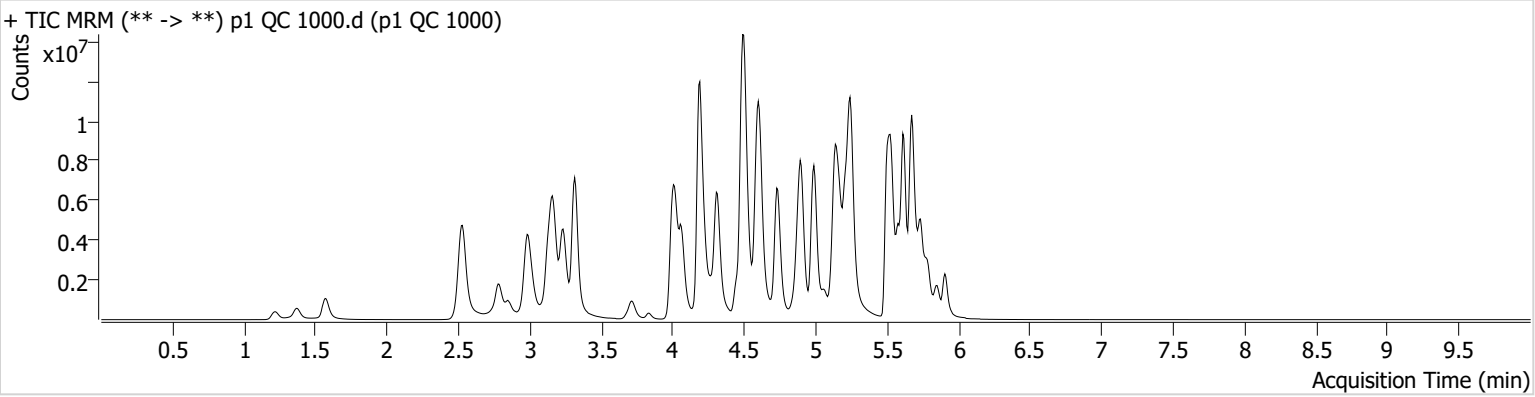
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument	Falco (069901)	**Data File**	p1 QC 1000.d
Type	QC	**Sample**	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P6-E11	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	7/23/2024 3:17:44 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.223	303915	1854.90	75.0	719.98	16000	895.7956 ng/ml
Alprazolam	5.728	3077411	933.88	103.6	1122.92	115945	1013.0188 ng/ml
Amphetamine	2.992	9245408	125657.51	47.7	130956.74	244374	534.6495 ng/ml
Benzoylecgonine	3.835	365025	2331.04	36.8	748.24	12269	998.9103 ng/ml
Bromazolam	5.766	1545569	36422.40	121.6	281156.16	44157	928.8472 ng/ml
Buprenorphine	5.840	315947	325853.56	14.4	64455.69	122947	98.1076 ng/ml
Bupropion	4.731	11890567	64252.40	61.4	403523.23	389013	994.7130 ng/ml
Citalopram	5.166	6950698	125076.43	35.1	184608.47	279333	1083.2758 ng/ml
Clonazepam	5.563	1797198	1705.23	36.7	1877.99	33986	808.8339 ng/ml
Cyclobenzaprine	5.586	7283839	1555.19	7.5	17069.95	226680	1038.0893 ng/ml
Diazepam	5.906	2793599	1052.66	93.6	494.20	114046	971.7211 ng/ml
Diphenhydramine	5.251	20036996	359337.43	31.3	3202.84	980982	1021.1698 ng/ml
Duloxetine	5.606	512516	7205.10	13.8	794.69	25699	1016.6971 ng/ml
EDDP	5.209	7182018	66524.66	39.5	7566.94	293996	1074.4808 ng/ml
Fentanyl	5.062	1160577	89980.12	76.8	2042.95	623730	99.8373 ng/ml
Fluoxetine	5.666	5801879	64073.29	7.4	503344.56	198259	1047.8863 ng/ml
Hydrocodone	2.968	3597196	∞	37.0	964.26	177804	981.8446 ng/ml
Hydroxyzine	5.670	8972053	309919.31	75.5	50499.80	171575	1117.9630 ng/ml
Ketamine	3.994	4505304	833.78	36.0	2096.11	265686	743.8521 ng/ml
Lamotrigine	4.232	1208118	40576.57	88.2	14466.67	646049	3134.4384 ng/ml
Lorazepam	5.706	708765	27930.12	53.0	15577.41	54524	916.1863 ng/ml
Methadone	5.618	13343581	6622.39	51.5	2133.19	474106	1015.4714 ng/ml
Methamphetamine	3.161	14540873	372208.36	35.5	41266.43	628279	867.8617 ng/ml
Metoprolol	4.272	1355911	6320324.28	103.9	2552.67	786890	736.9347 ng/ml
Mirtazapine	4.586	12795690	257574.40	51.2	558.99	390529	923.7876 ng/ml
Norbuprenorphine	4.944	49502	488.14	89.1	104553.26	20989	105.0862 ng/ml
Nordiazepam	5.853	2097844	578.60	56.7	620.55	59517	1066.8865 ng/ml
Norfentanyl	4.028	769846	94074.42	38.9	6873.98	243032	117.2742 ng/ml
Norhydrocodone	3.009	822998	2542.01	40.8	∞	43379	1313.3058 ng/ml
Trazodone	5.136	12693997	274.40	70.5	759975.11	617969	710.9512 ng/ml

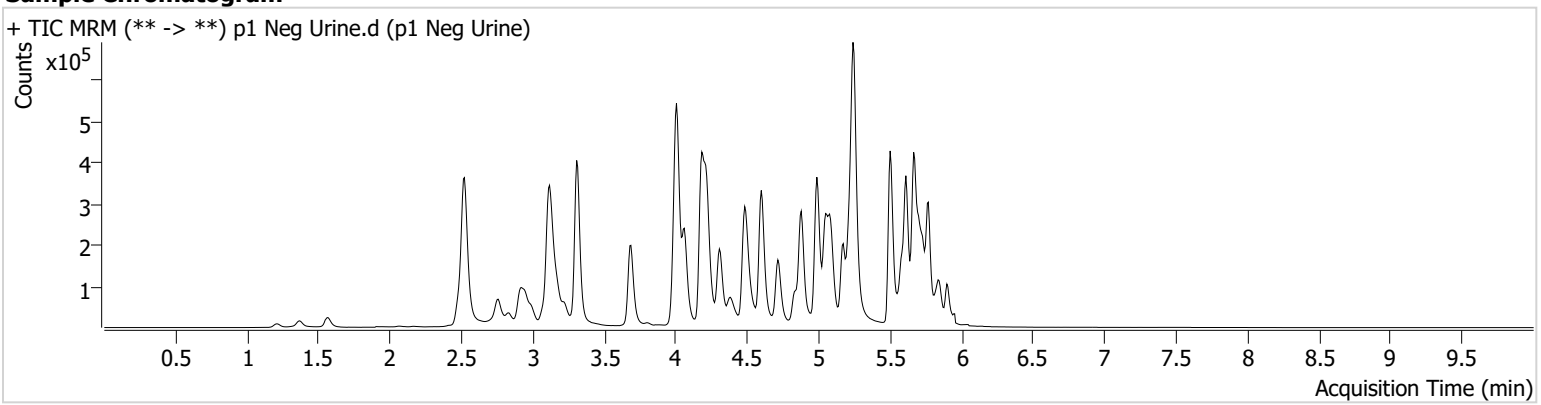
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument	Falco (069901)	**Data File**	p1 Neg Urine.d
Type	Sample	**Sample**	p1 Neg Urine
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P6-G8	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	7/23/2024 10:45:18 AM		
Sample Info.			

Sample Chromatogram



TS

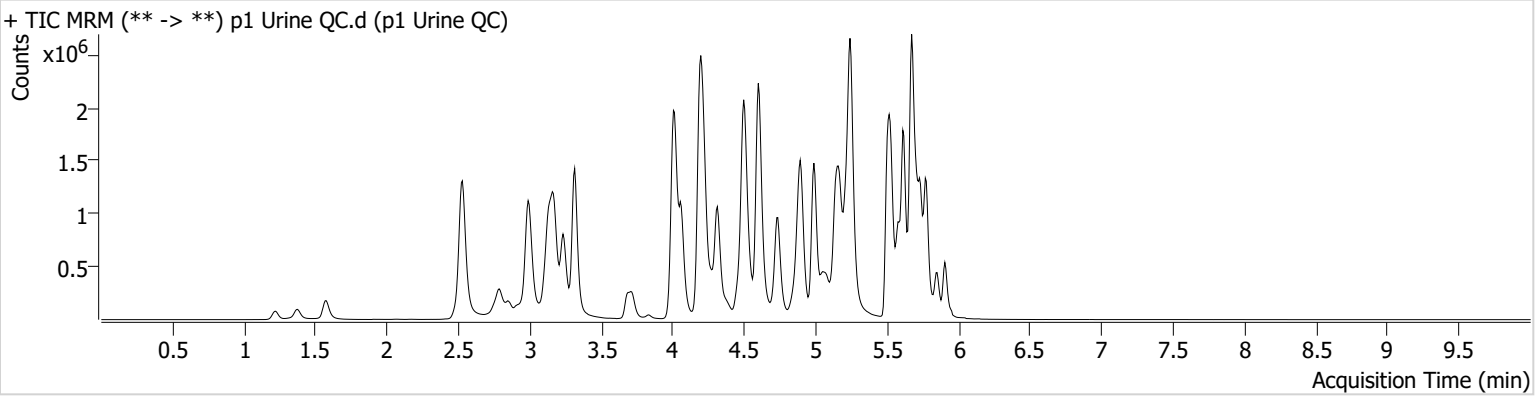
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P6-D11
Injection Volume 2
Acq. Date-Time 7/23/2024 1:03:44 PM
Sample Info.

Data File p1 Urine QC.d
Sample p1 Urine QC
Operator Tamara Salazar
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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

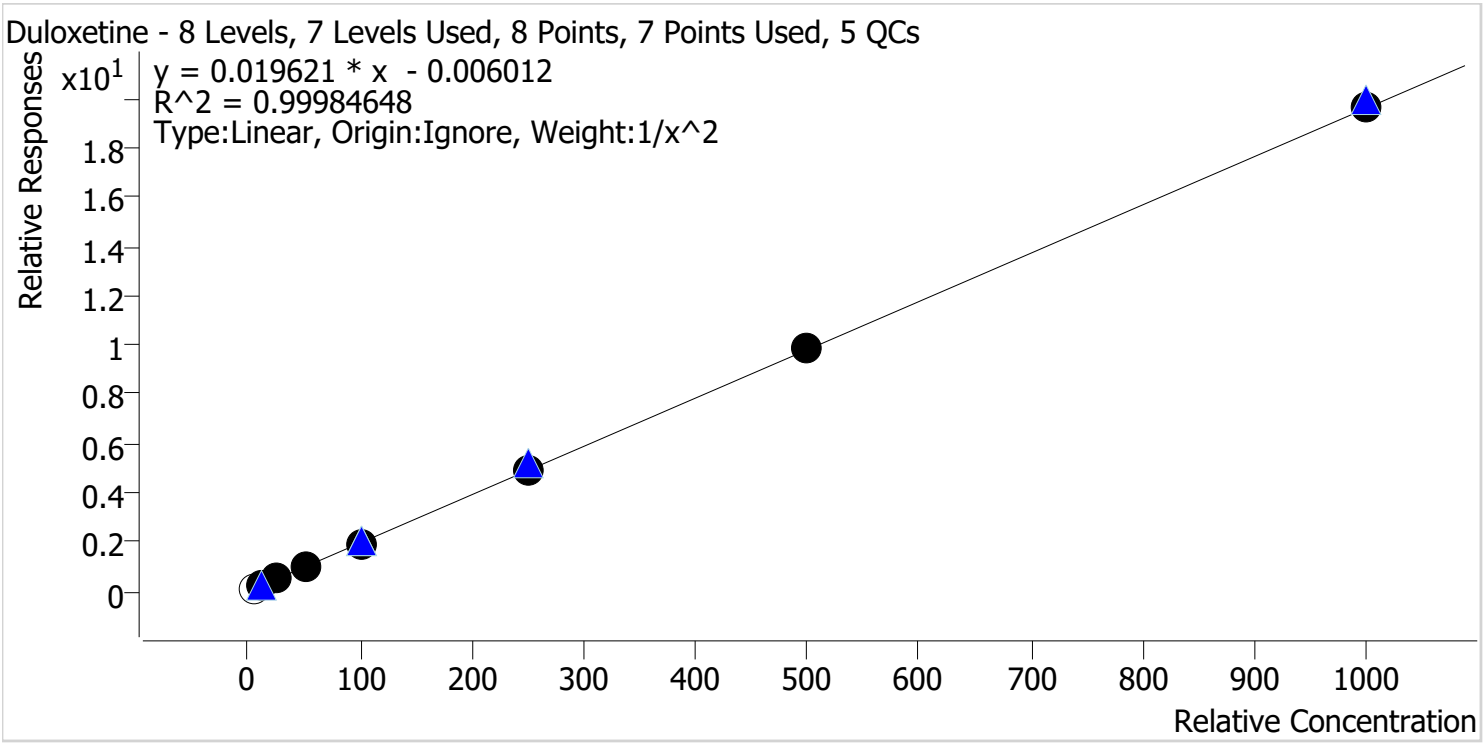


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.217	274419	239.45	75.3	114.13	127448	100.5749 ng/ml
Alprazolam	5.734	622985	973.03	106.3	391.29	230815	103.2103 ng/ml
Amphetamine	2.992	2148246	3452.44	49.2	12591.79	310167	96.7877 ng/ml
Benzoylecgonine	3.835	40019	415.16	37.4	451.38	13719	97.2167 ng/ml
Bromazolam	5.766	442695	2427.86	112.8	297576.58	115275	101.4602 ng/ml
Buprenorphine	5.847	34989	4907.47	13.3	4109.75	121231	11.0166 ng/ml
Bupropion	4.738	1450005	33759.33	62.6	19949.64	483086	97.7127 ng/ml
Citalopram	5.173	1194156	1181.99	36.0	1155.57	537748	96.9363 ng/ml
Clonazepam	5.570	472827	873.19	36.4	612.60	65079	110.1785 ng/ml
Cyclobenzaprine	5.586	962466	40705.14	8.7	1079.12	344354	90.8249 ng/ml
Diazepam	5.906	465538	2941.85	94.0	961.56	187876	98.3967 ng/ml
Diphenhydramine	5.251	3199652	55274.98	31.2	1924.90	1729608	92.7930 ng/ml
Duloxetine	5.606	156658	2644.19	14.0	650.24	77962	102.7162 ng/ml
EDDP	5.215	647572	1324.34	41.9	242.96	283716	100.6986 ng/ml
Fentanyl	5.062	127696	365.82	79.3	1411.83	718029	9.5333 ng/ml
Fluoxetine	5.666	1512701	899.30	8.0	625.53	523725	103.3244 ng/ml
Hydrocodone	2.975	473252	∞	37.4	∞	214609	106.6062 ng/ml
Hydroxyzine	5.670	1465027	1076.25	72.8	1404.99	321975	97.4814 ng/ml
Ketamine	4.001	889036	797.31	36.9	1193.22	379309	102.2266 ng/ml
Lamotrigine	4.225	585029	7840.44	86.5	28357.93	1187959	814.5394 ng/ml
Lorazepam	5.706	351066	5408.98	56.3	864.38	248683	98.0626 ng/ml
Methadone	5.618	1757013	2127.14	53.5	4495.60	688294	92.3320 ng/ml
Methamphetamine	3.175	2150854	1016.97	37.3	14987.92	723940	104.2698 ng/ml
Metoprolol	4.272	268064	18803.62	104.4	3262.68	1126816	101.3238 ng/ml
Mirtazapine	4.600	1916675	4111.91	54.4	3700.00	558449	96.5285 ng/ml
Norbuprenorphine	4.944	5961	8891.79	95.4	11643.62	26798	9.7222 ng/ml
Nordiazepam	5.853	426103	911.66	56.1	353.22	127204	101.2274 ng/ml
Norfentanyl	4.028	209385	2715.47	38.4	287.18	794227	9.8087 ng/ml
Norhydrocodone	3.009	105370	836.45	40.1	123.94	72617	101.1445 ng/ml
Trazodone	5.143	1927888	78622.88	65.4	40101.03	677478	98.0222 ng/ml

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Duloxetine
Internal Standard	Duloxetine-D3

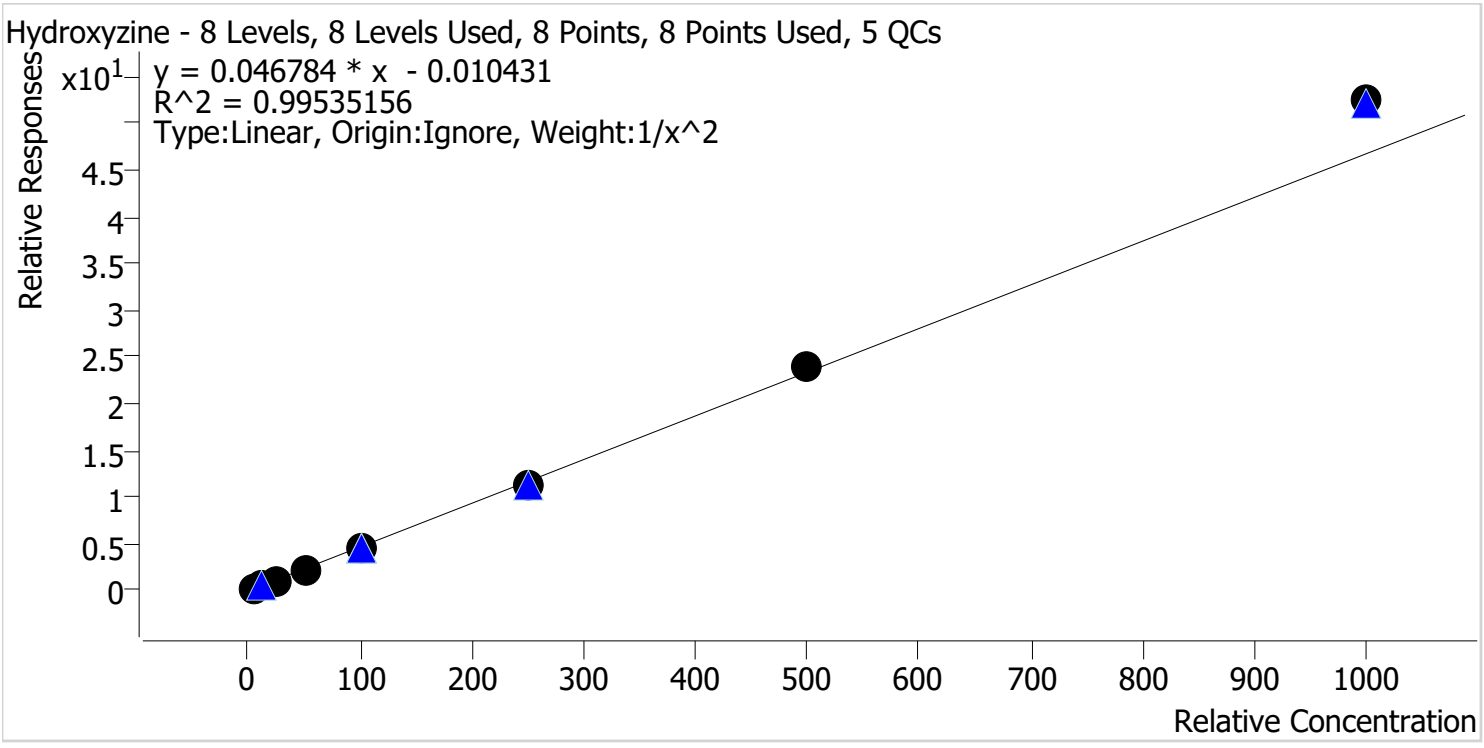


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✗	5.0	6.0	119.0
p1 Cal 2-10ng	2	✔	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✔	25.0	24.6	98.5
p1 Cal 4-50ng	4	✔	50.0	49.6	99.1
p1 Cal 5-100ng	5	✔	100.0	99.5	99.5
p1 Cal 6-250ng	6	✔	250.0	253.9	101.6
p1 Cal 7-500ng	7	✔	500.0	503.1	100.6
p1 Cal 8-1000ng	8	✔	1000.0	999.1	99.9

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Hydroxyzine
Internal Standard	Dextromethorphan-D3

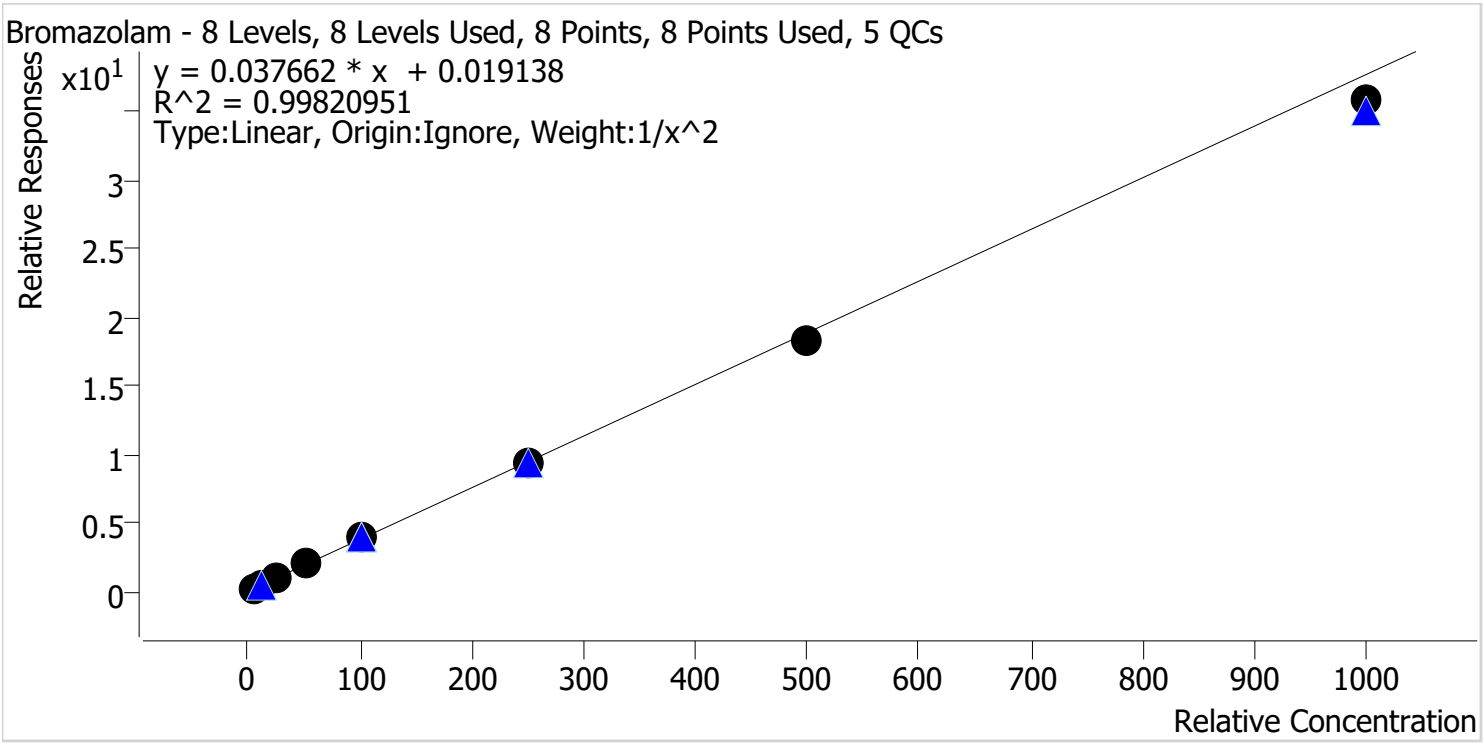


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.8
p1 Cal 2-10ng	2	✔	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✔	25.0	23.9	95.7
p1 Cal 4-50ng	4	✔	50.0	48.7	97.3
p1 Cal 5-100ng	5	✔	100.0	92.8	92.8
p1 Cal 6-250ng	6	✔	250.0	244.4	97.7
p1 Cal 7-500ng	7	✔	500.0	515.7	103.1
p1 Cal 8-1000ng	8	✔	1000.0	1122.5	112.2

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Bromazolam
Internal Standard	Bromazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.3
p1 Cal 2-10ng	2	✔	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✔	25.0	25.5	102.0
p1 Cal 4-50ng	4	✔	50.0	52.4	104.7
p1 Cal 5-100ng	5	✔	100.0	105.1	105.1
p1 Cal 6-250ng	6	✔	250.0	245.6	98.2
p1 Cal 7-500ng	7	✔	500.0	481.7	96.3
p1 Cal 8-1000ng	8	✔	1000.0	950.1	95.0

TS

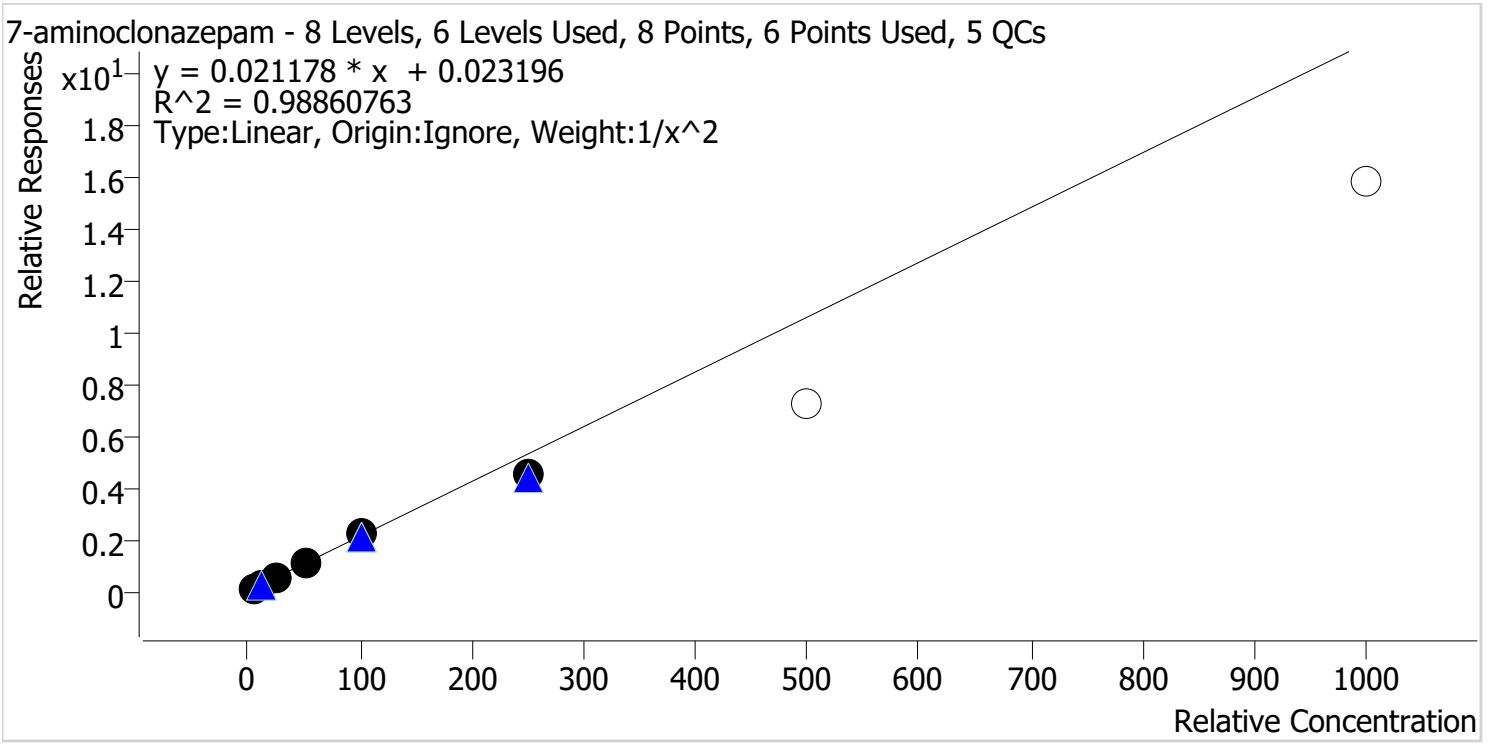
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin

Last Cal. Update 7/26/2024 11:02 AM

Analyst Name ISP\Datastor

Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

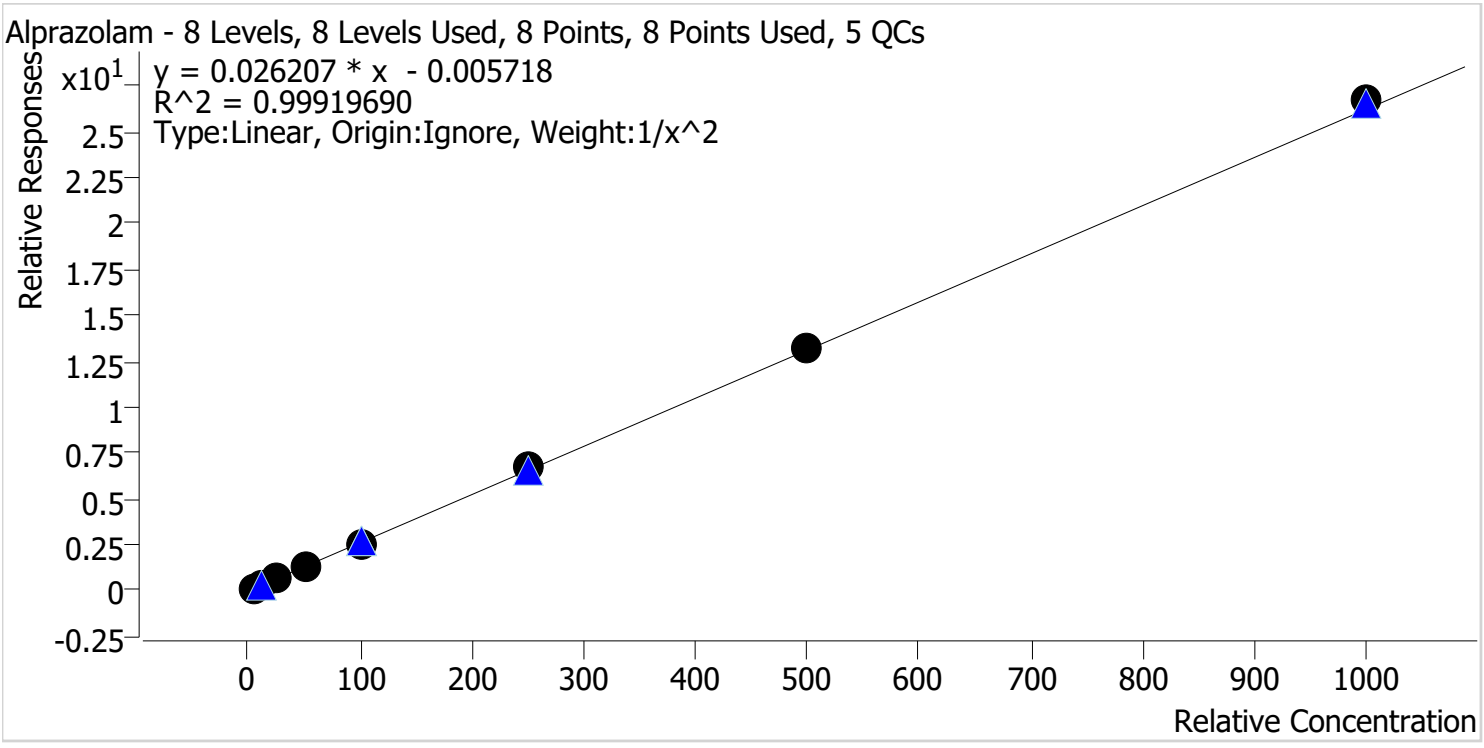


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.8	95.4
p1 Cal 2-10ng	2	✔	10.0	10.6	106.4
p1 Cal 3 -25ng	3	✔	25.0	26.1	104.5
p1 Cal 4-50ng	4	✔	50.0	53.2	106.4
p1 Cal 5-100ng	5	✔	100.0	103.1	103.1
p1 Cal 6-250ng	6	✔	250.0	210.5	84.2
p1 Cal 7-500ng	7	✗	500.0	340.9	68.2
p1 Cal 8-1000ng	8	✗	1000.0	750.4	75.0

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Alprazolam
Internal Standard	Alprazolam-D5

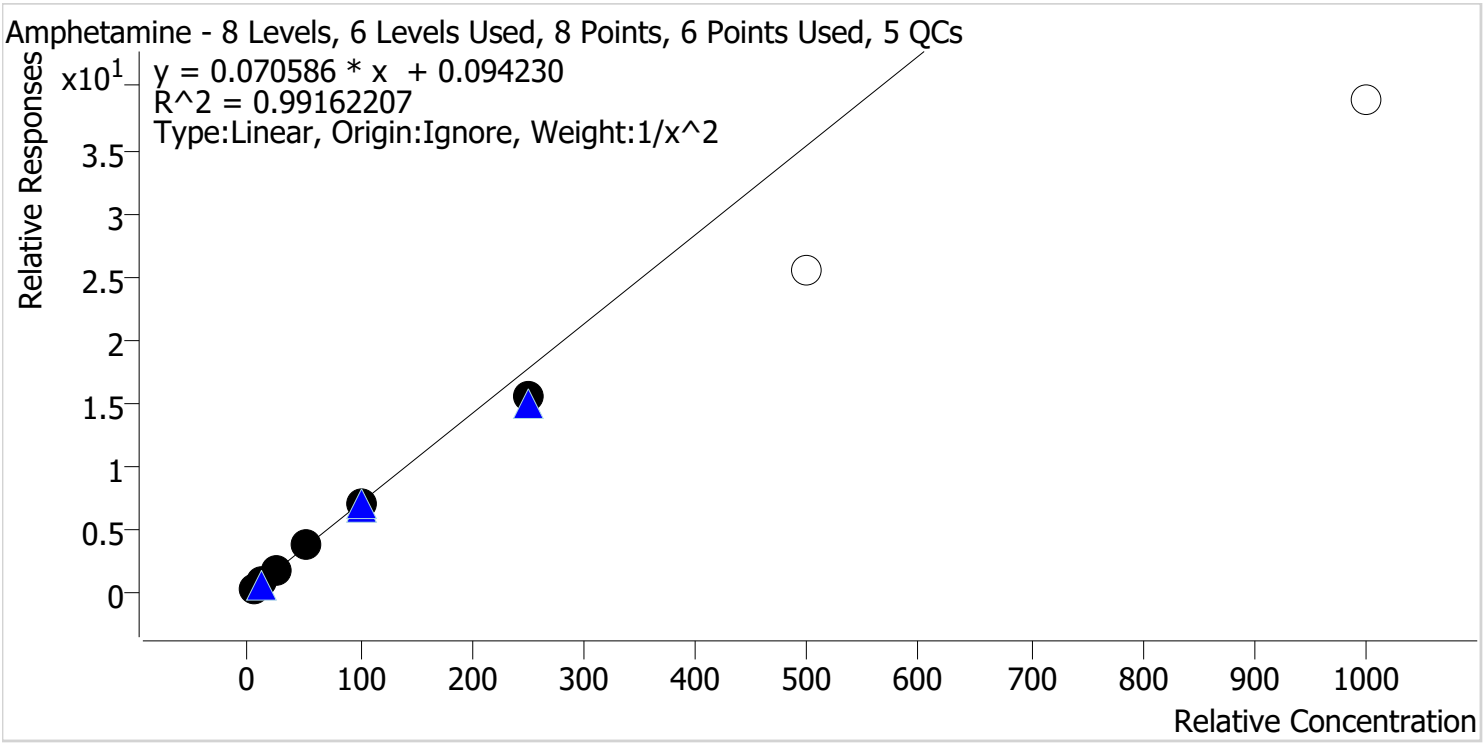


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.8
p1 Cal 2-10ng	2	✔	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✔	25.0	23.7	94.8
p1 Cal 4-50ng	4	✔	50.0	49.8	99.5
p1 Cal 5-100ng	5	✔	100.0	99.9	99.9
p1 Cal 6-250ng	6	✔	250.0	255.6	102.3
p1 Cal 7-500ng	7	✔	500.0	506.5	101.3
p1 Cal 8-1000ng	8	✔	1000.0	1018.9	101.9

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Amphetamine
Internal Standard	Amphetamine-D11

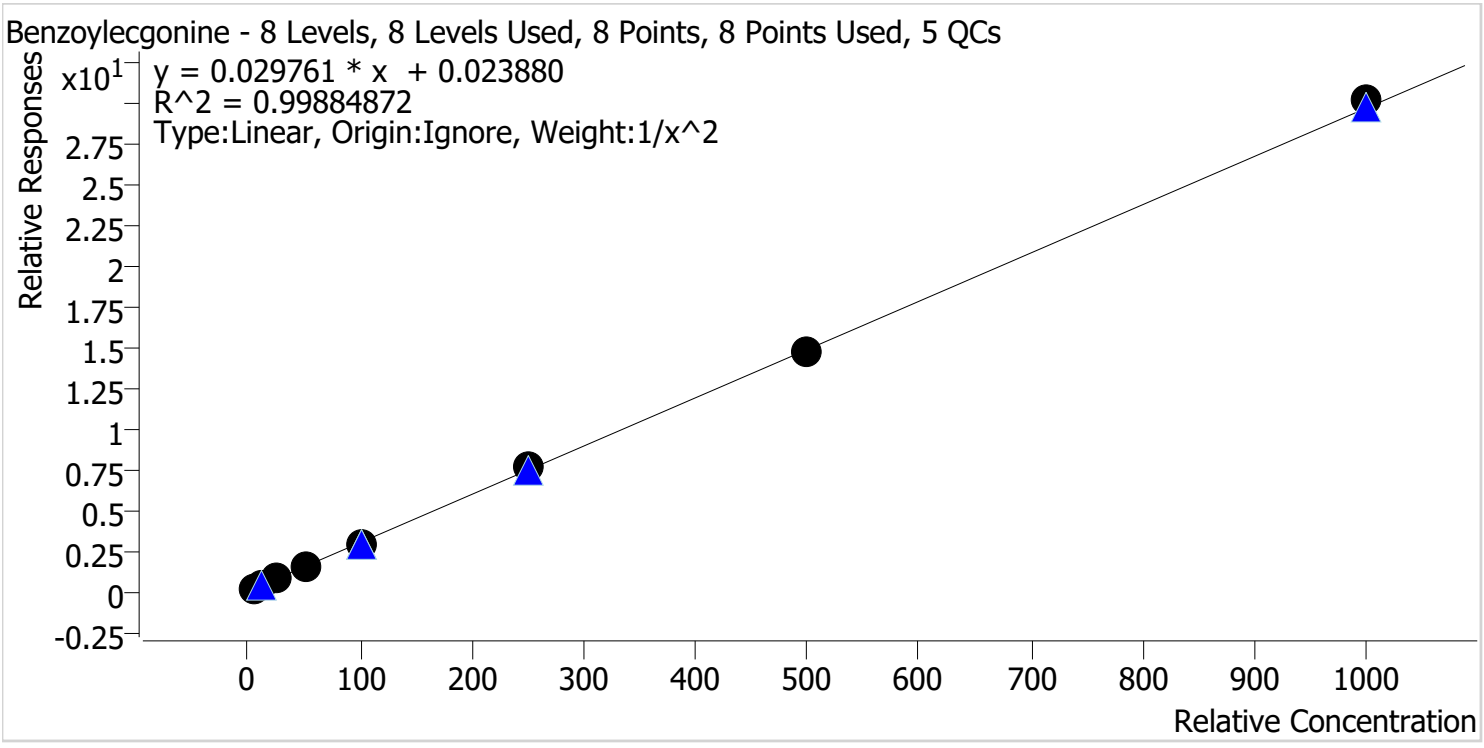


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.8	96.0
p1 Cal 2-10ng	2	✔	10.0	10.5	104.9
p1 Cal 3 -25ng	3	✔	25.0	26.5	105.8
p1 Cal 4-50ng	4	✔	50.0	53.1	106.2
p1 Cal 5-100ng	5	✔	100.0	100.1	100.1
p1 Cal 6-250ng	6	✔	250.0	217.5	87.0
p1 Cal 7-500ng	7	✗	500.0	361.1	72.2
p1 Cal 8-1000ng	8	✗	1000.0	550.1	55.0

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Benzoylecgonine
Internal Standard	Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	103.0
p1 Cal 2-10ng	2	✔	10.0	9.3	93.5
p1 Cal 3 -25ng	3	✔	25.0	25.2	100.9
p1 Cal 4-50ng	4	✔	50.0	50.5	101.1
p1 Cal 5-100ng	5	✔	100.0	99.0	99.0
p1 Cal 6-250ng	6	✔	250.0	254.1	101.6
p1 Cal 7-500ng	7	✔	500.0	496.1	99.2
p1 Cal 8-1000ng	8	✔	1000.0	1016.4	101.6

TS

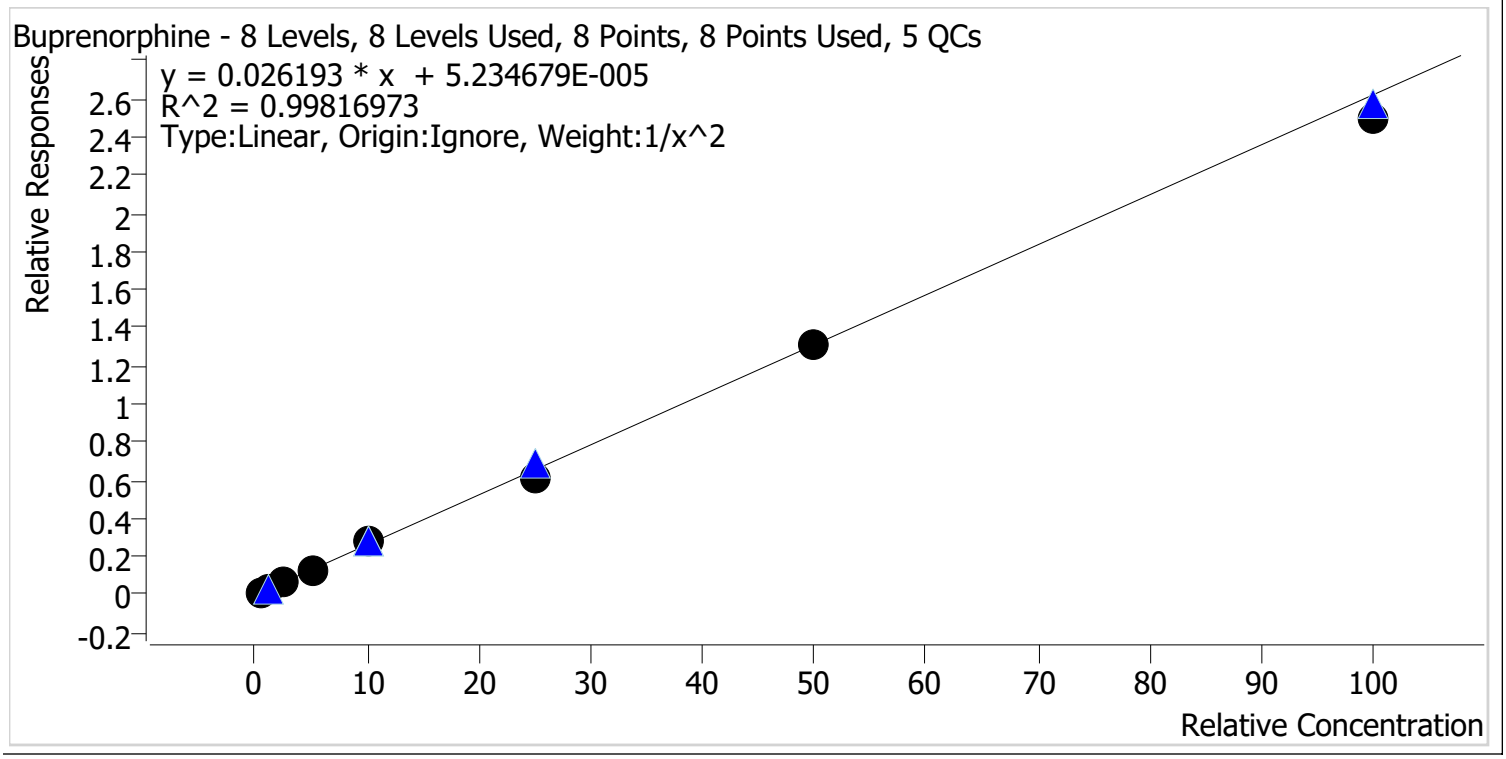
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin

Last Cal. Update 7/26/2024 11:02 AM

Analyst Name ISP\Datastor

Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.5	98.1
p1 Cal 2-10ng	2	✔	1.0	1.0	102.5
p1 Cal 3 -25ng	3	✔	2.5	2.5	101.1
p1 Cal 4-50ng	4	✔	5.0	5.1	102.7
p1 Cal 5-100ng	5	✔	10.0	10.5	105.0
p1 Cal 6-250ng	6	✔	25.0	23.5	94.2
p1 Cal 7-500ng	7	✔	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✔	100.0	95.6	95.6

TS

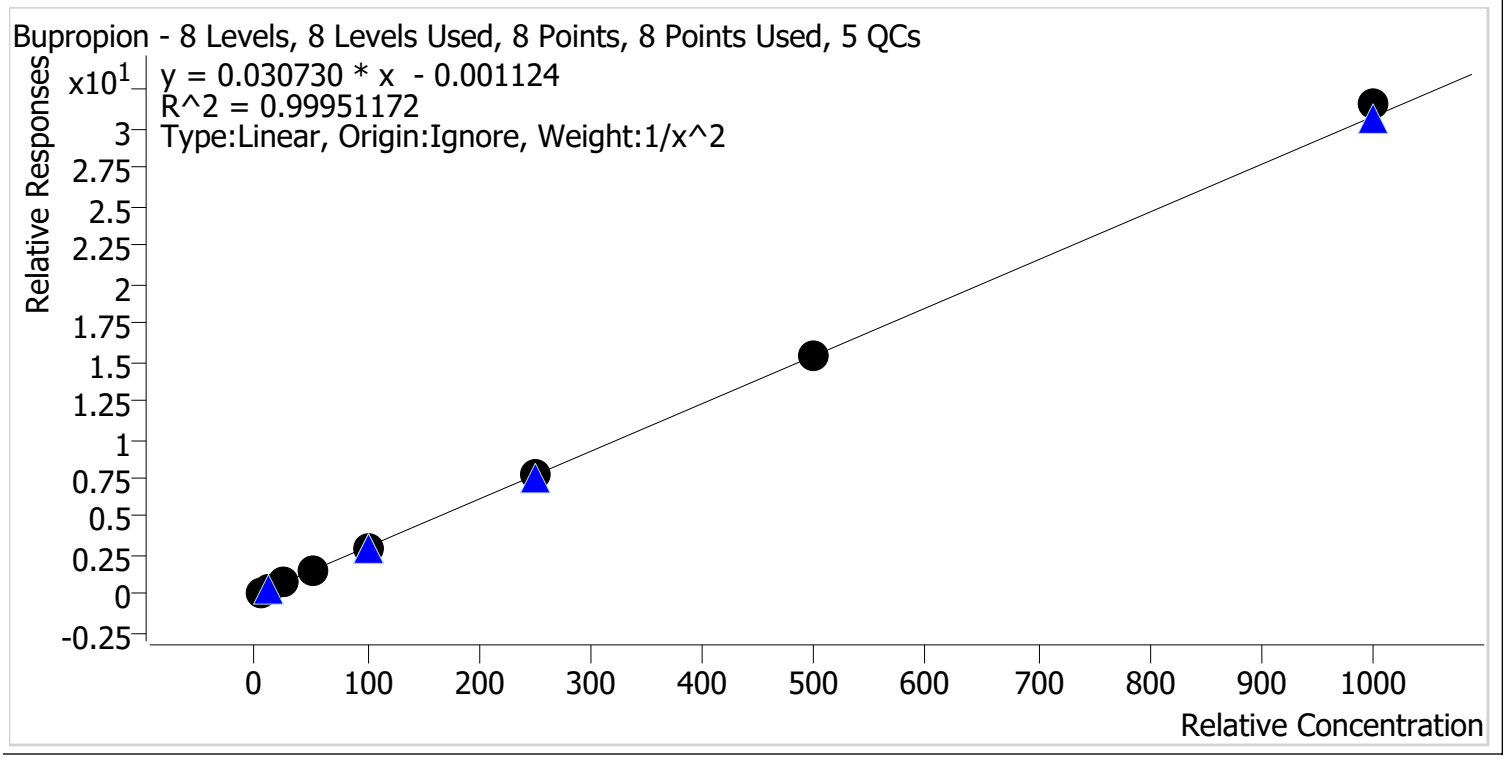
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin

Last Cal. Update 7/26/2024 11:02 AM

Analyst Name ISP\Datastor

Analyte Bupropion **Internal Standard** Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.1
p1 Cal 2-10ng	2	✔	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✔	25.0	24.2	96.9
p1 Cal 4-50ng	4	✔	50.0	48.8	97.7
p1 Cal 5-100ng	5	✔	100.0	100.5	100.5
p1 Cal 6-250ng	6	✔	250.0	253.9	101.6
p1 Cal 7-500ng	7	✔	500.0	501.3	100.3
p1 Cal 8-1000ng	8	✔	1000.0	1025.7	102.6

TS

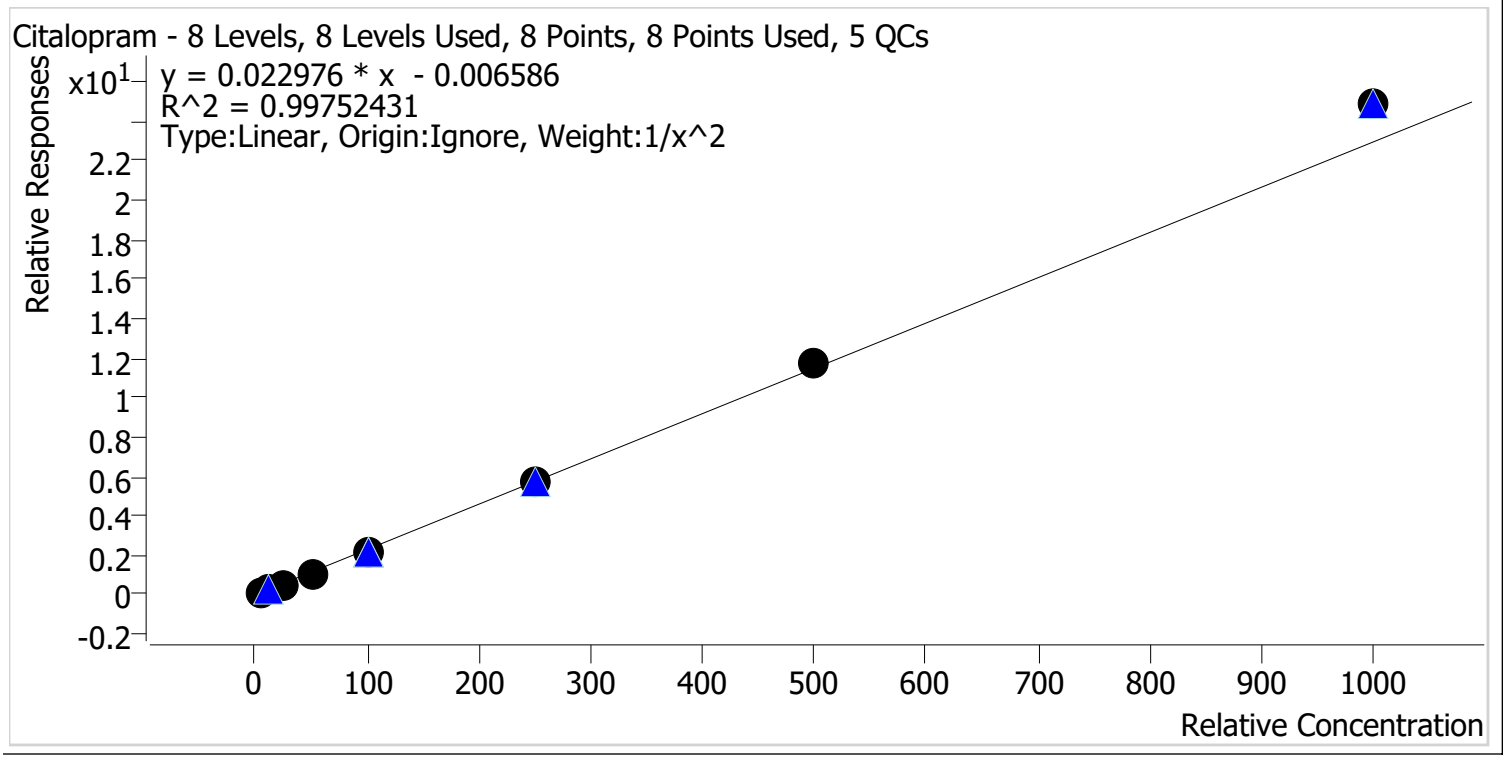
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin

Last Cal. Update 7/26/2024 11:02 AM

Analyst Name ISP\Datastor

Analyte Citalopram **Internal Standard** Citalopram-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	102.3
p1 Cal 2-10ng	2	✔	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✔	25.0	23.6	94.6
p1 Cal 4-50ng	4	✔	50.0	48.1	96.2
p1 Cal 5-100ng	5	✔	100.0	97.7	97.7
p1 Cal 6-250ng	6	✔	250.0	249.4	99.8
p1 Cal 7-500ng	7	✔	500.0	514.9	103.0
p1 Cal 8-1000ng	8	✔	1000.0	1080.6	108.1

TS

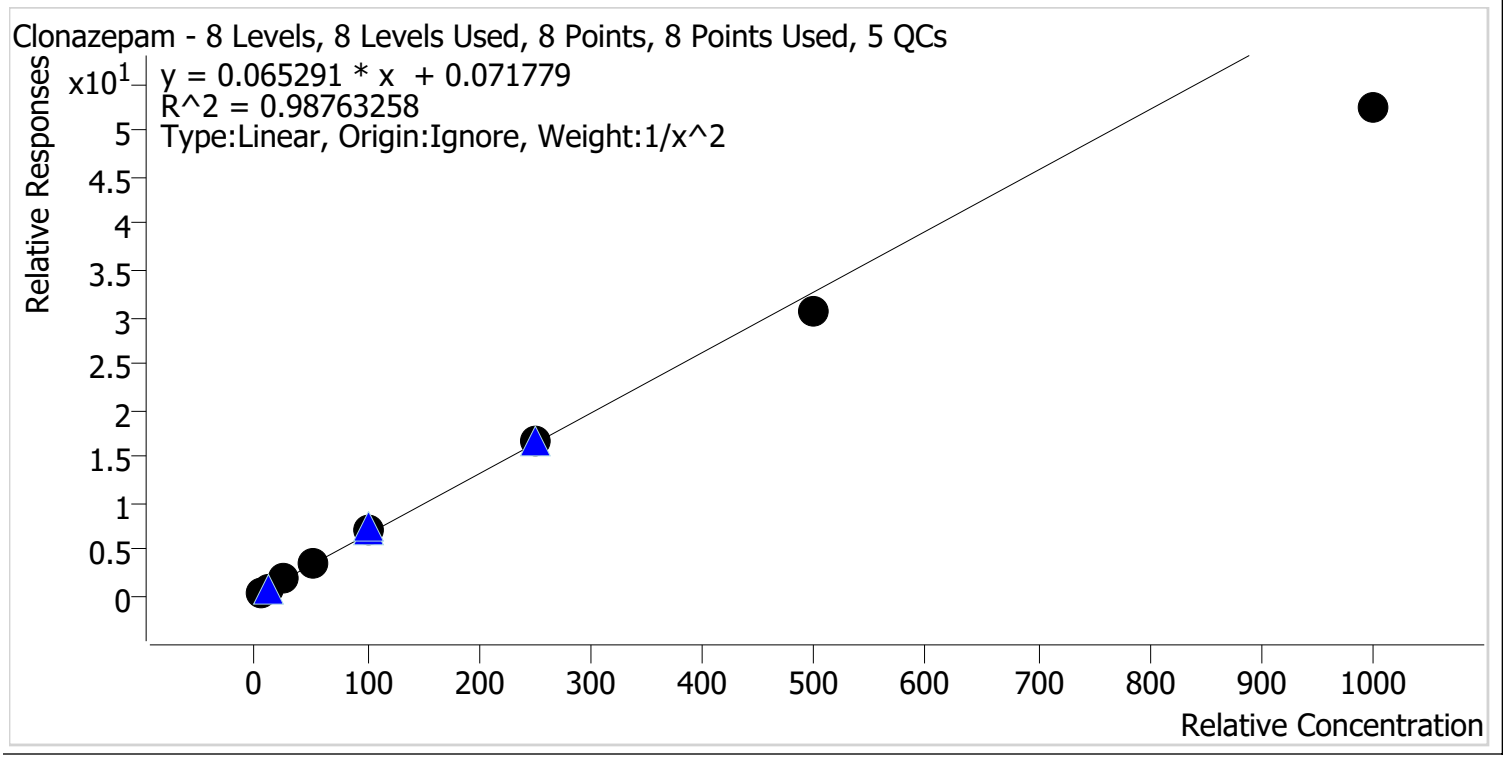
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin

Last Cal. Update 7/26/2024 11:02 AM

Analyst Name ISP\Datastor

Analyte Clonazepam **Internal Standard** Clonazepam-D4

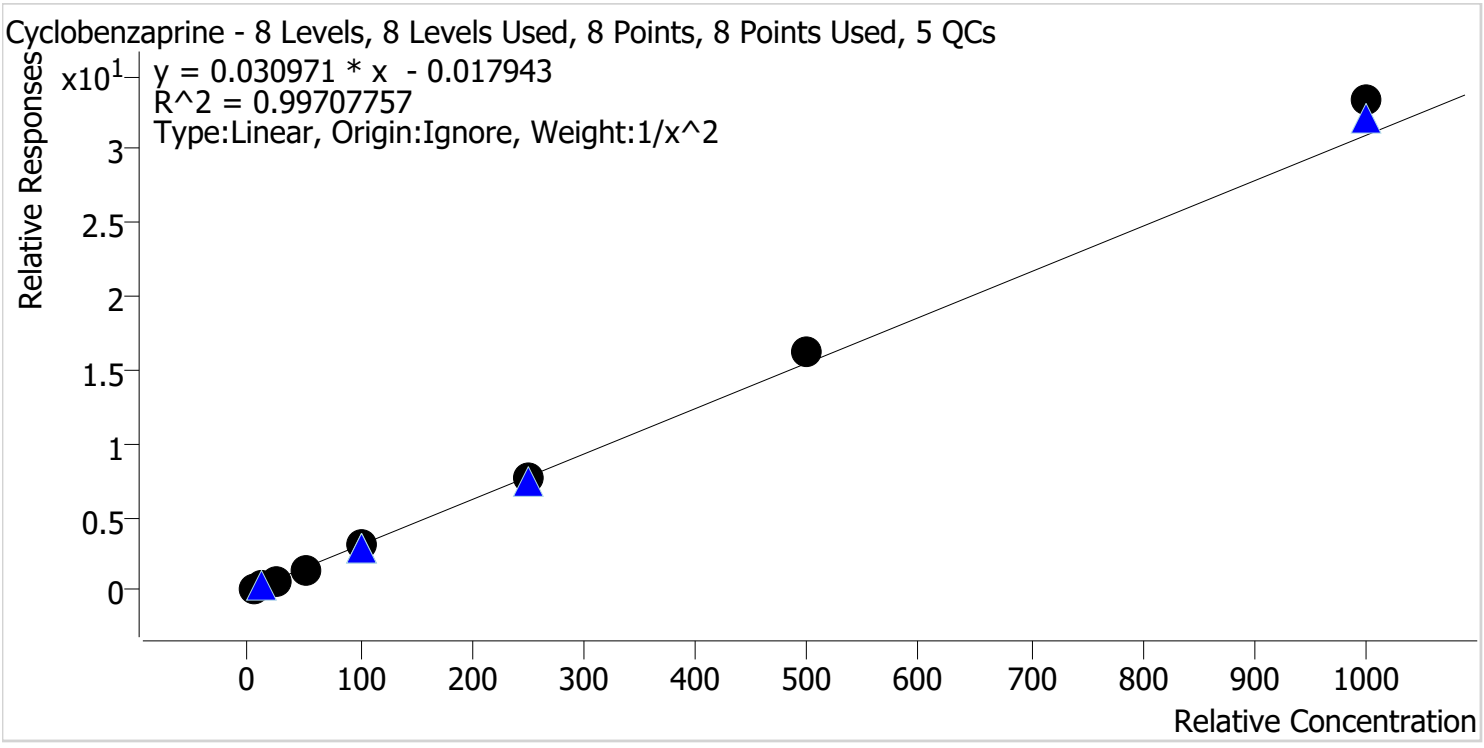


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.8	95.6
p1 Cal 2-10ng	2	✔	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✔	25.0	27.2	108.6
p1 Cal 4-50ng	4	✔	50.0	54.4	108.9
p1 Cal 5-100ng	5	✔	100.0	107.7	107.7
p1 Cal 6-250ng	6	✔	250.0	254.1	101.6
p1 Cal 7-500ng	7	✔	500.0	469.9	94.0
p1 Cal 8-1000ng	8	✔	1000.0	805.0	80.5

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Cyclobenzaprine
Internal Standard	Cyclobenzaprine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	102.1
p1 Cal 2-10ng	2	✔	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✔	25.0	23.7	94.8
p1 Cal 4-50ng	4	✔	50.0	47.0	94.0
p1 Cal 5-100ng	5	✔	100.0	99.0	99.0
p1 Cal 6-250ng	6	✔	250.0	246.2	98.5
p1 Cal 7-500ng	7	✔	500.0	524.3	104.9
p1 Cal 8-1000ng	8	✔	1000.0	1076.8	107.7

TS

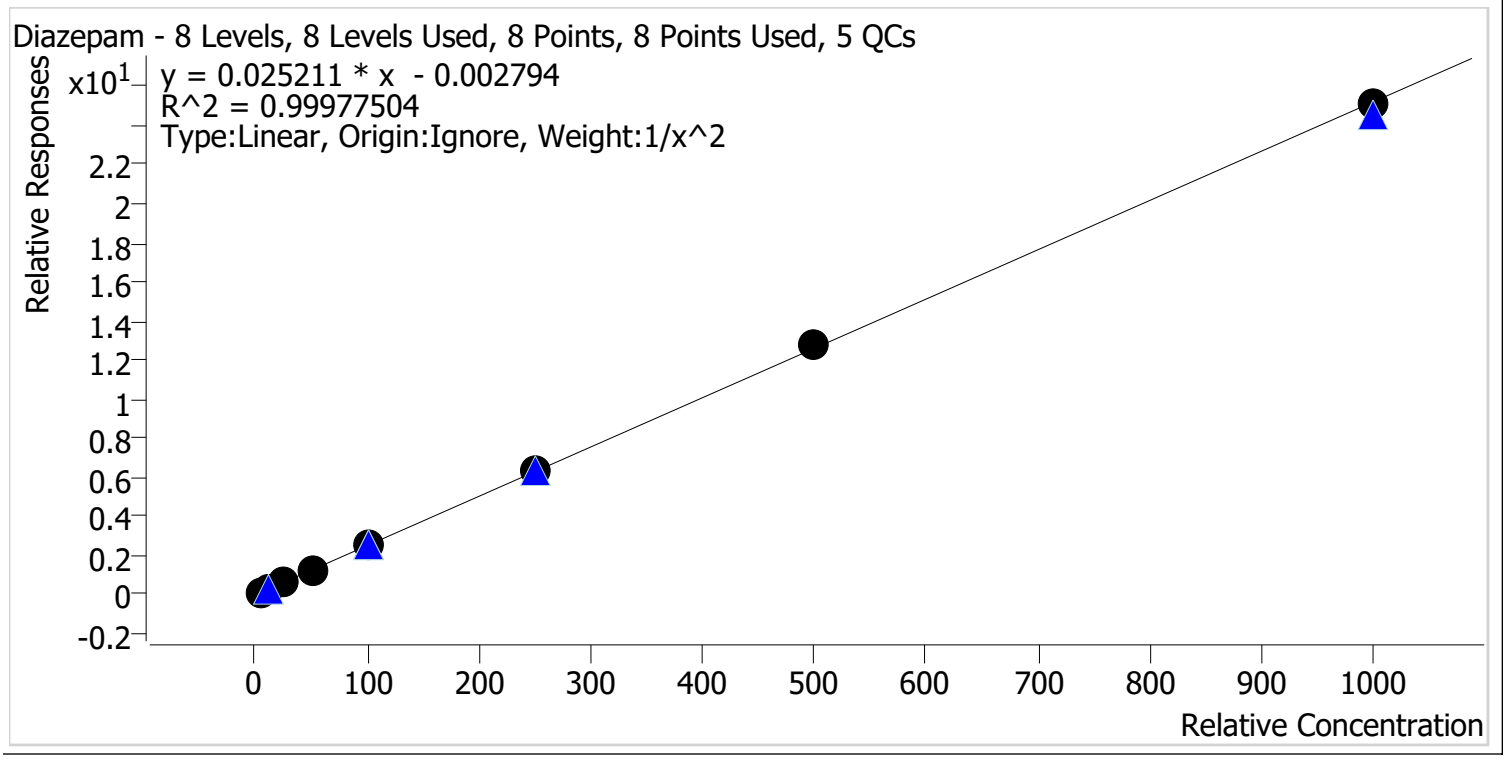
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin

Last Cal. Update 7/26/2024 11:02 AM

Analyst Name ISP\Datastor

Analyte Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.3
p1 Cal 2-10ng	2	✔	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✔	25.0	24.8	99.4
p1 Cal 4-50ng	4	✔	50.0	50.7	101.3
p1 Cal 5-100ng	5	✔	100.0	99.8	99.8
p1 Cal 6-250ng	6	✔	250.0	250.6	100.3
p1 Cal 7-500ng	7	✔	500.0	505.1	101.0
p1 Cal 8-1000ng	8	✔	1000.0	995.3	99.5

TS

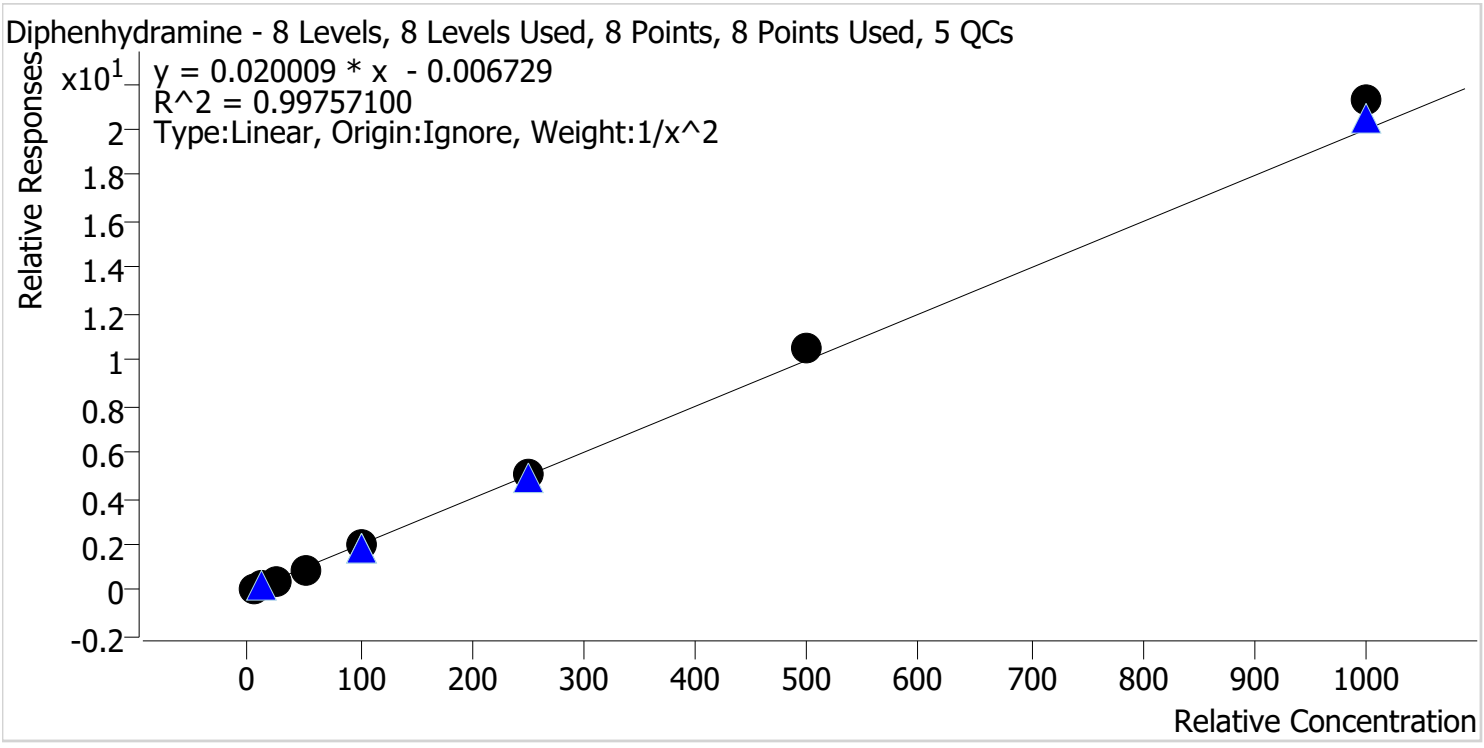
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin

Last Cal. Update 7/26/2024 11:02 AM

Analyst Name ISP\Datastor

Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

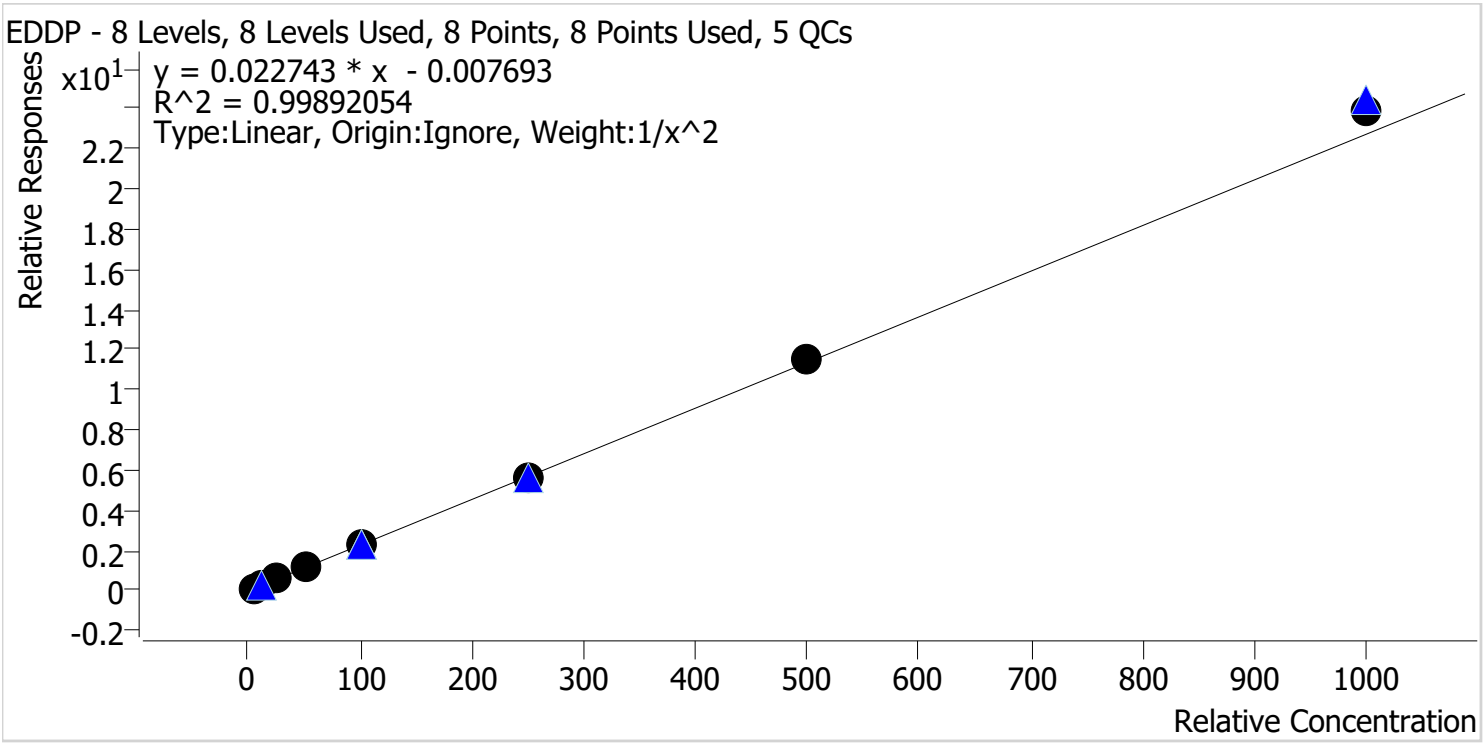


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	102.6
p1 Cal 2-10ng	2	✔	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✔	25.0	23.7	94.8
p1 Cal 4-50ng	4	✔	50.0	47.7	95.4
p1 Cal 5-100ng	5	✔	100.0	97.9	97.9
p1 Cal 6-250ng	6	✔	250.0	251.1	100.4
p1 Cal 7-500ng	7	✔	500.0	524.0	104.8
p1 Cal 8-1000ng	8	✔	1000.0	1063.3	106.3

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	EDDP
Internal Standard	EDDP-D3

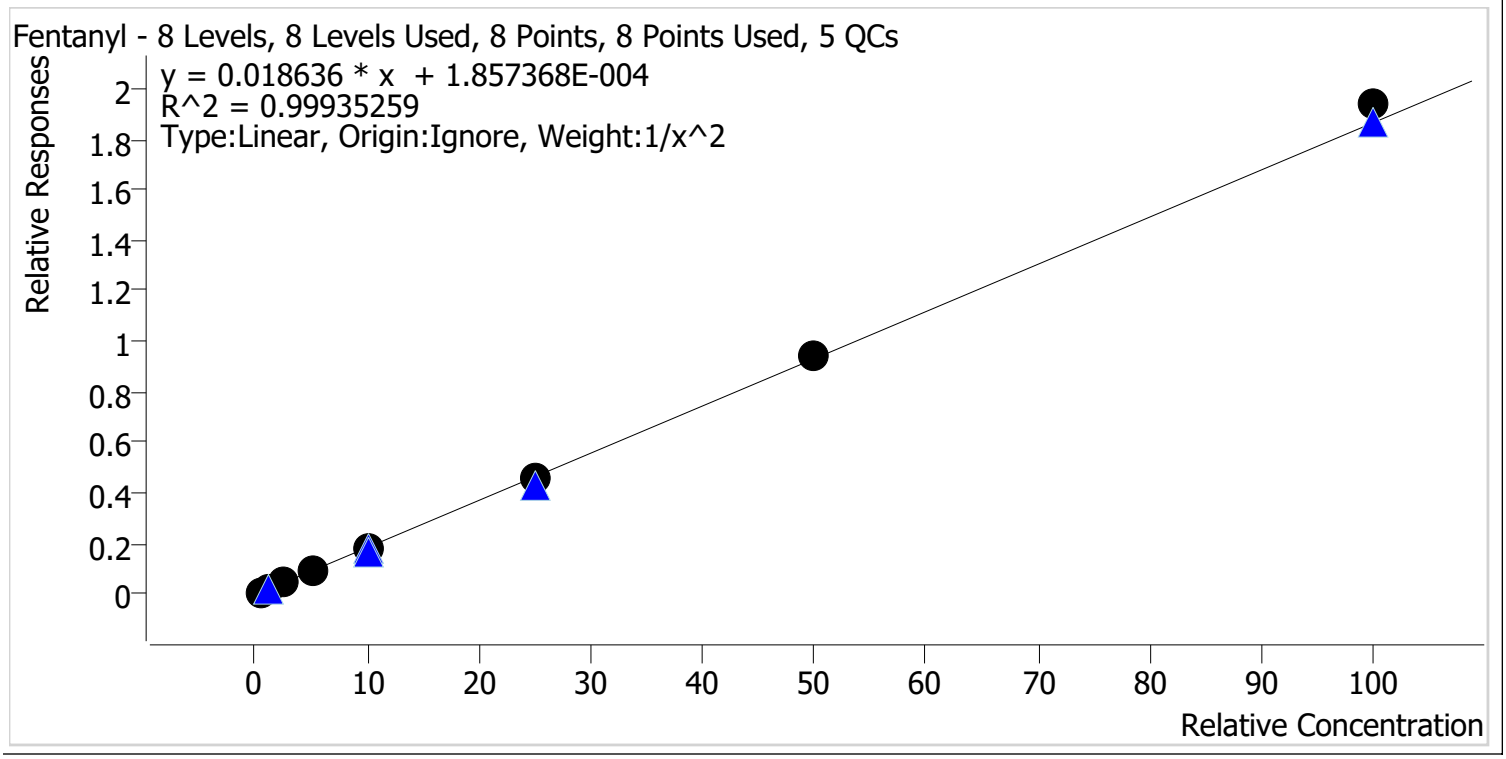


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.9
p1 Cal 2-10ng	2	✔	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✔	25.0	24.2	96.6
p1 Cal 4-50ng	4	✔	50.0	49.4	98.9
p1 Cal 5-100ng	5	✔	100.0	97.6	97.6
p1 Cal 6-250ng	6	✔	250.0	249.6	99.8
p1 Cal 7-500ng	7	✔	500.0	510.6	102.1
p1 Cal 8-1000ng	8	✔	1000.0	1050.9	105.1

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Fentanyl
Internal Standard	Fentanyl-D5

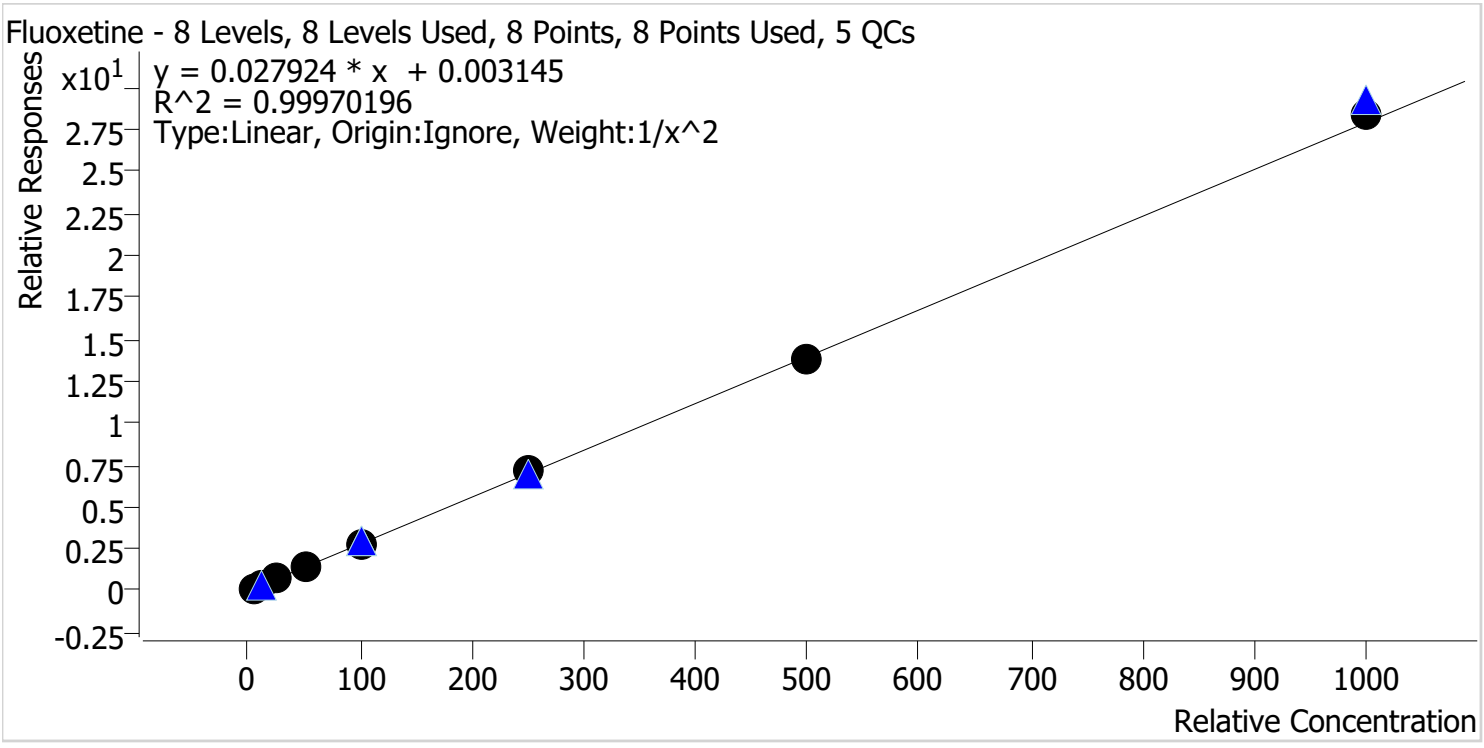


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.5	101.2
p1 Cal 2-10ng	2	✔	1.0	1.0	99.1
p1 Cal 3 -25ng	3	✔	2.5	2.4	96.7
p1 Cal 4-50ng	4	✔	5.0	5.0	99.3
p1 Cal 5-100ng	5	✔	10.0	9.9	98.6
p1 Cal 6-250ng	6	✔	25.0	24.9	99.4
p1 Cal 7-500ng	7	✔	50.0	50.9	101.7
p1 Cal 8-1000ng	8	✔	100.0	103.9	103.9

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Fluoxetine
Internal Standard	Fluoxetine-D6

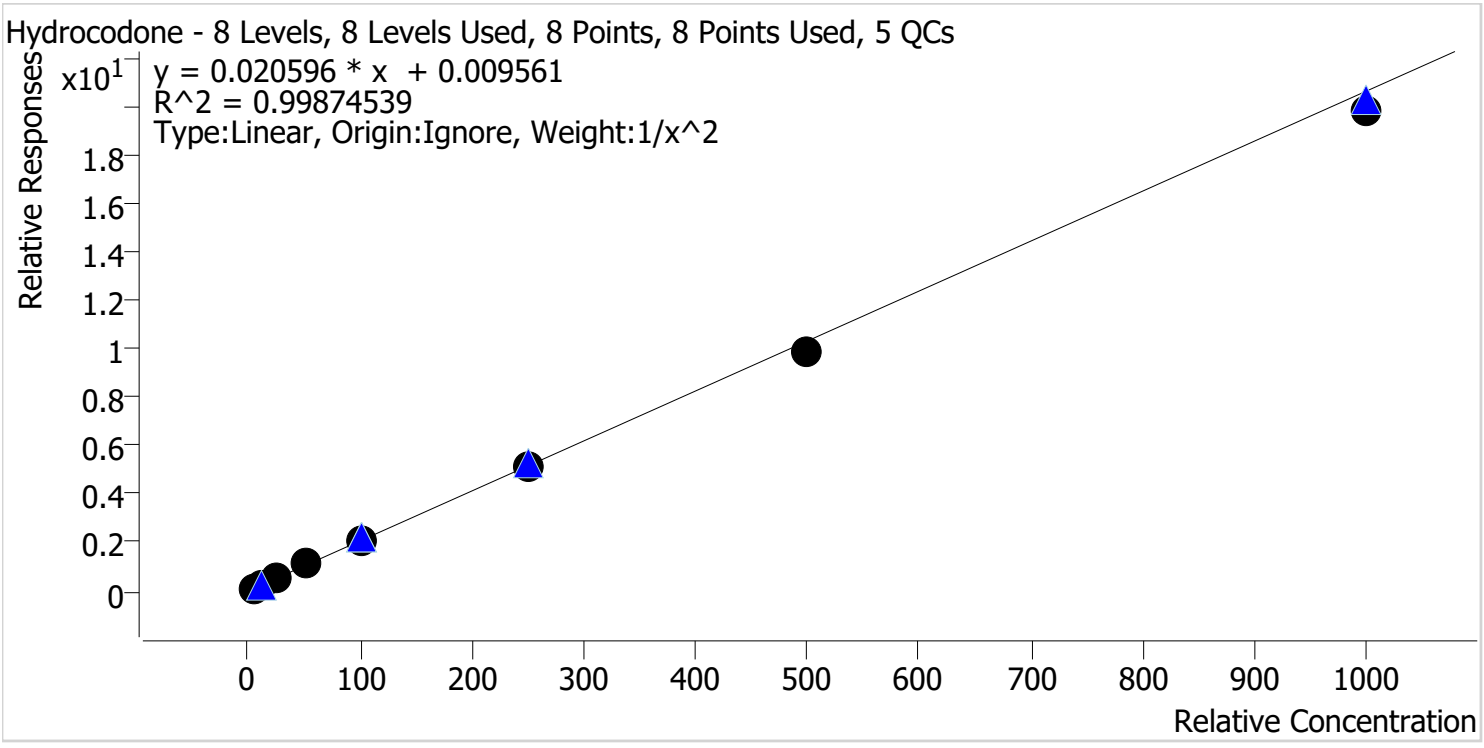


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	101.0
p1 Cal 2-10ng	2	✔	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✔	25.0	24.6	98.5
p1 Cal 4-50ng	4	✔	50.0	49.7	99.3
p1 Cal 5-100ng	5	✔	100.0	99.2	99.2
p1 Cal 6-250ng	6	✔	250.0	256.2	102.5
p1 Cal 7-500ng	7	✔	500.0	495.0	99.0
p1 Cal 8-1000ng	8	✔	1000.0	1017.1	101.7

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Hydrocodone
Internal Standard	Hydrocodone-D6

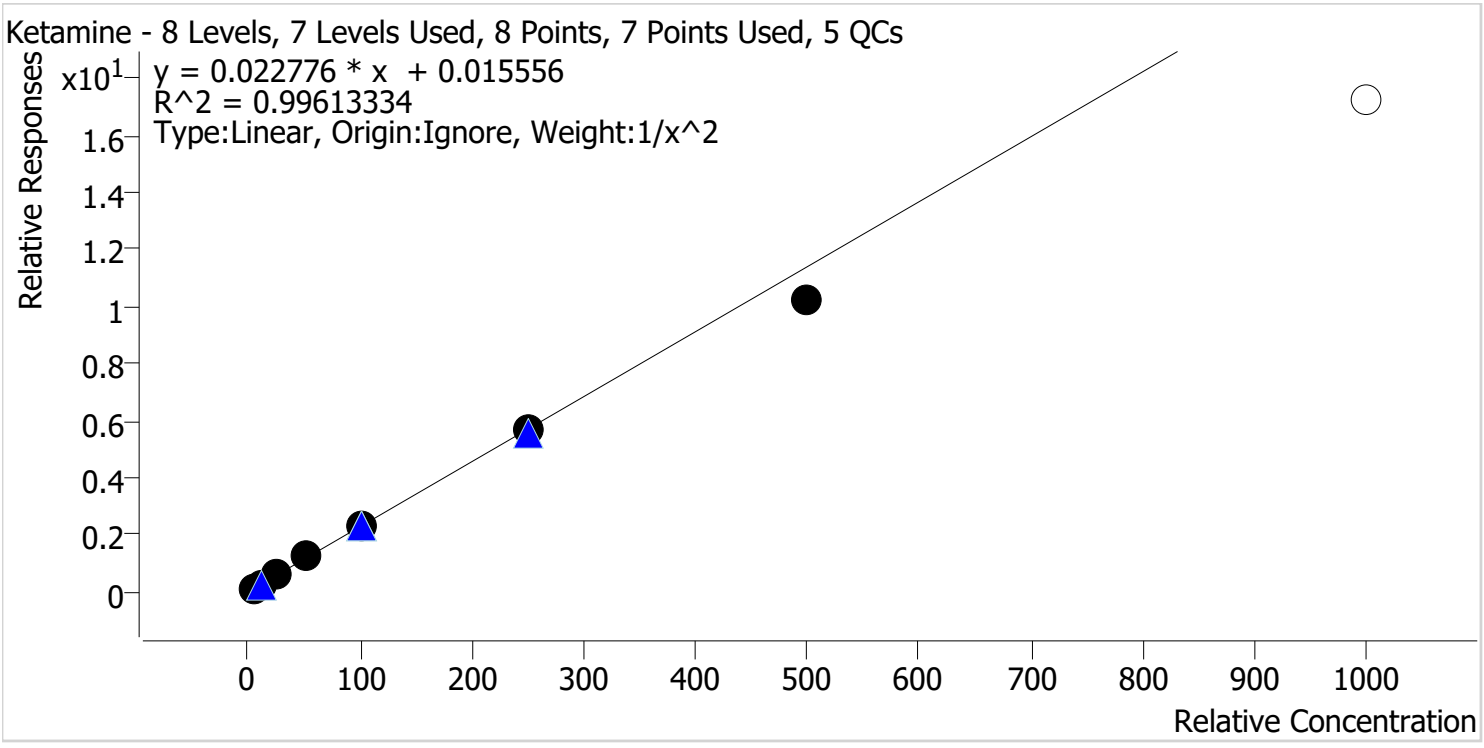


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	98.8
p1 Cal 2-10ng	2	✔	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✔	25.0	25.8	103.1
p1 Cal 4-50ng	4	✔	50.0	52.3	104.5
p1 Cal 5-100ng	5	✔	100.0	101.7	101.7
p1 Cal 6-250ng	6	✔	250.0	248.9	99.5
p1 Cal 7-500ng	7	✔	500.0	481.6	96.3
p1 Cal 8-1000ng	8	✔	1000.0	957.6	95.8

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Ketamine
Internal Standard	Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	97.5
p1 Cal 2-10ng	2	✔	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✔	25.0	25.8	103.1
p1 Cal 4-50ng	4	✔	50.0	52.9	105.8
p1 Cal 5-100ng	5	✔	100.0	101.2	101.2
p1 Cal 6-250ng	6	✔	250.0	250.4	100.2
p1 Cal 7-500ng	7	✔	500.0	448.0	89.6
p1 Cal 8-1000ng	8	✗	1000.0	756.2	75.6

TS

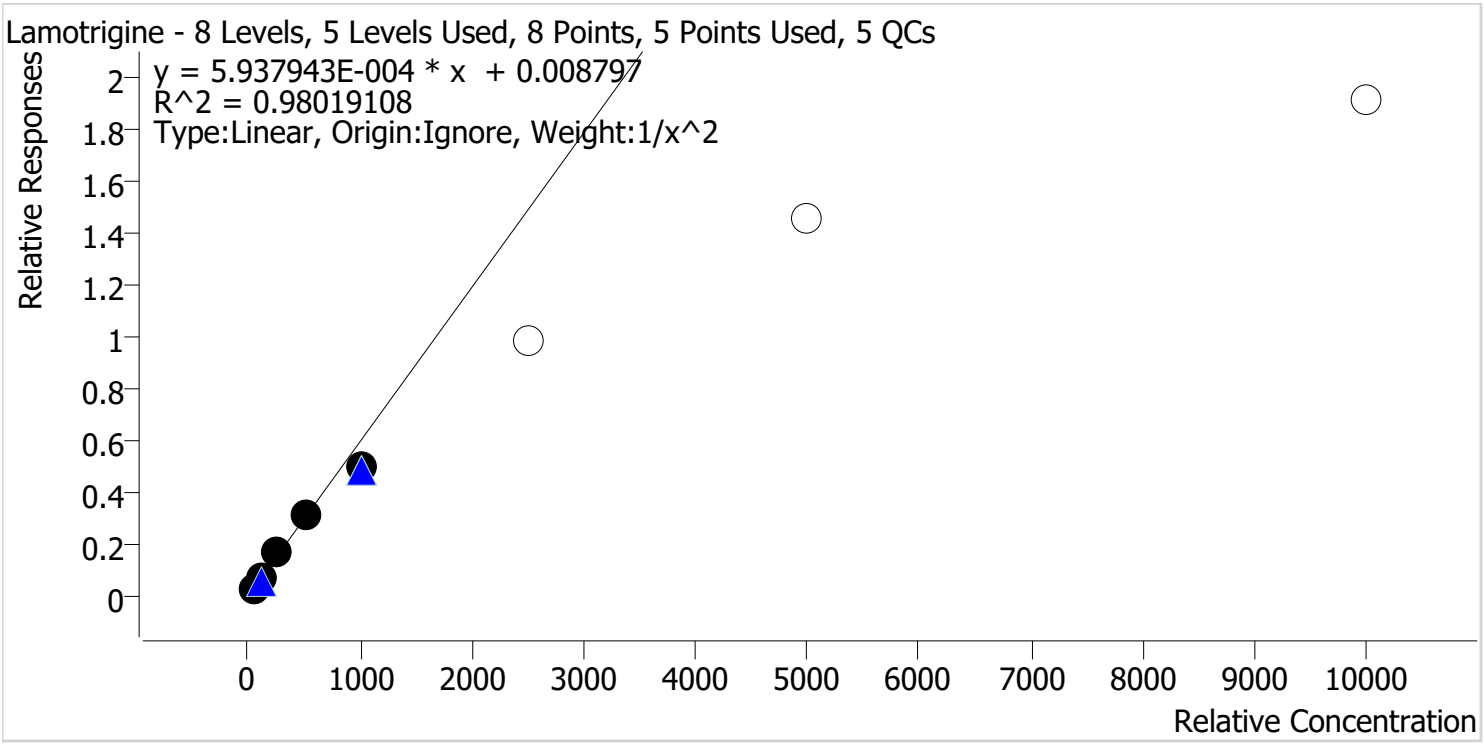
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin

Last Cal. Update 7/26/2024 11:02 AM

Analyst Name ISP\Datastor

Analyte Lamotrigine **Internal Standard** Pseudoephedrine-D3

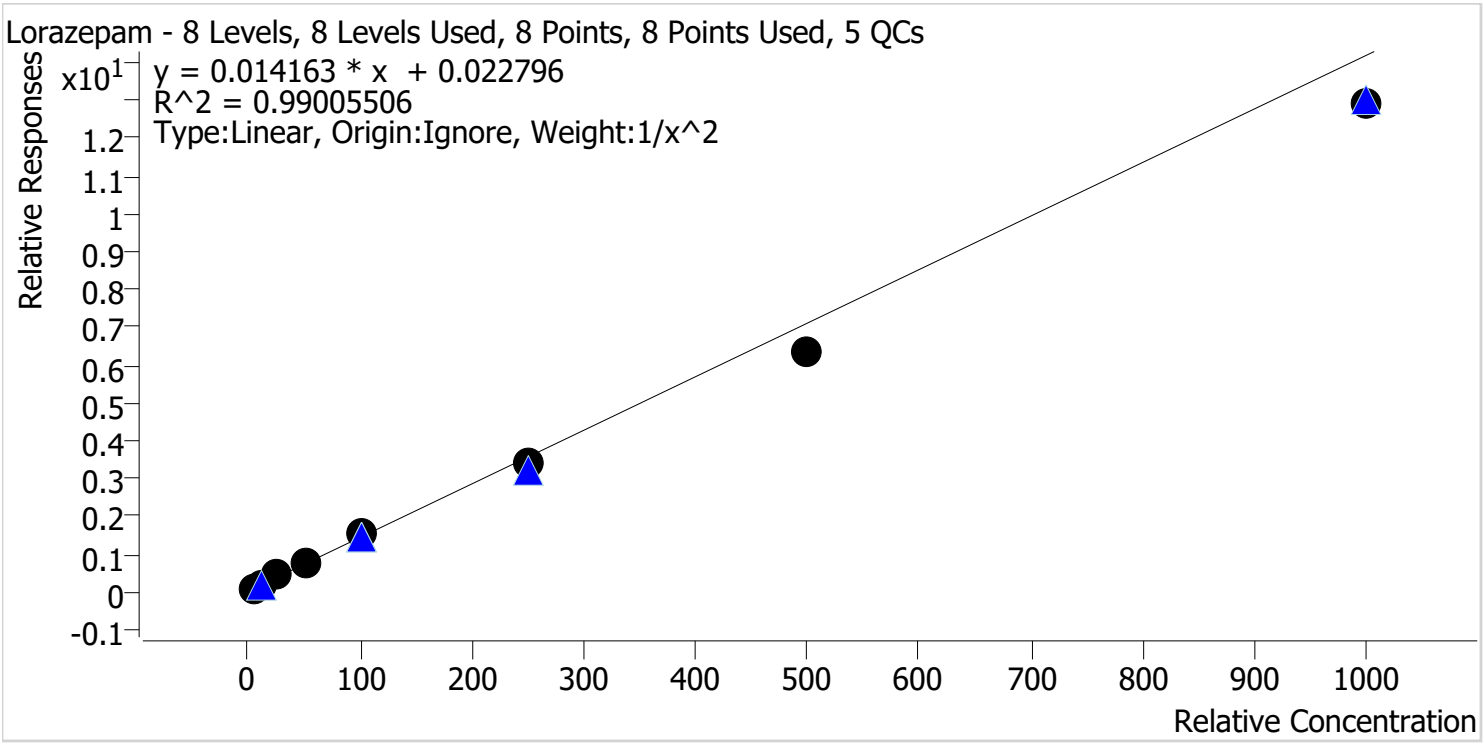


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	50.0	47.4	94.8
p1 Cal 2-10ng	2	✔	100.0	106.9	106.9
p1 Cal 3 -25ng	3	✔	250.0	277.6	111.0
p1 Cal 4-50ng	4	✔	500.0	518.5	103.7
p1 Cal 5-100ng	5	✔	1000.0	835.8	83.6
p1 Cal 6-250ng	6	✗	2500.0	1653.4	66.1
p1 Cal 7-500ng	7	✗	5000.0	2453.1	49.1
p1 Cal 8-1000ng	8	✗	10000.0	3211.2	32.1

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Lorazepam
Internal Standard	Oxazepam-D5

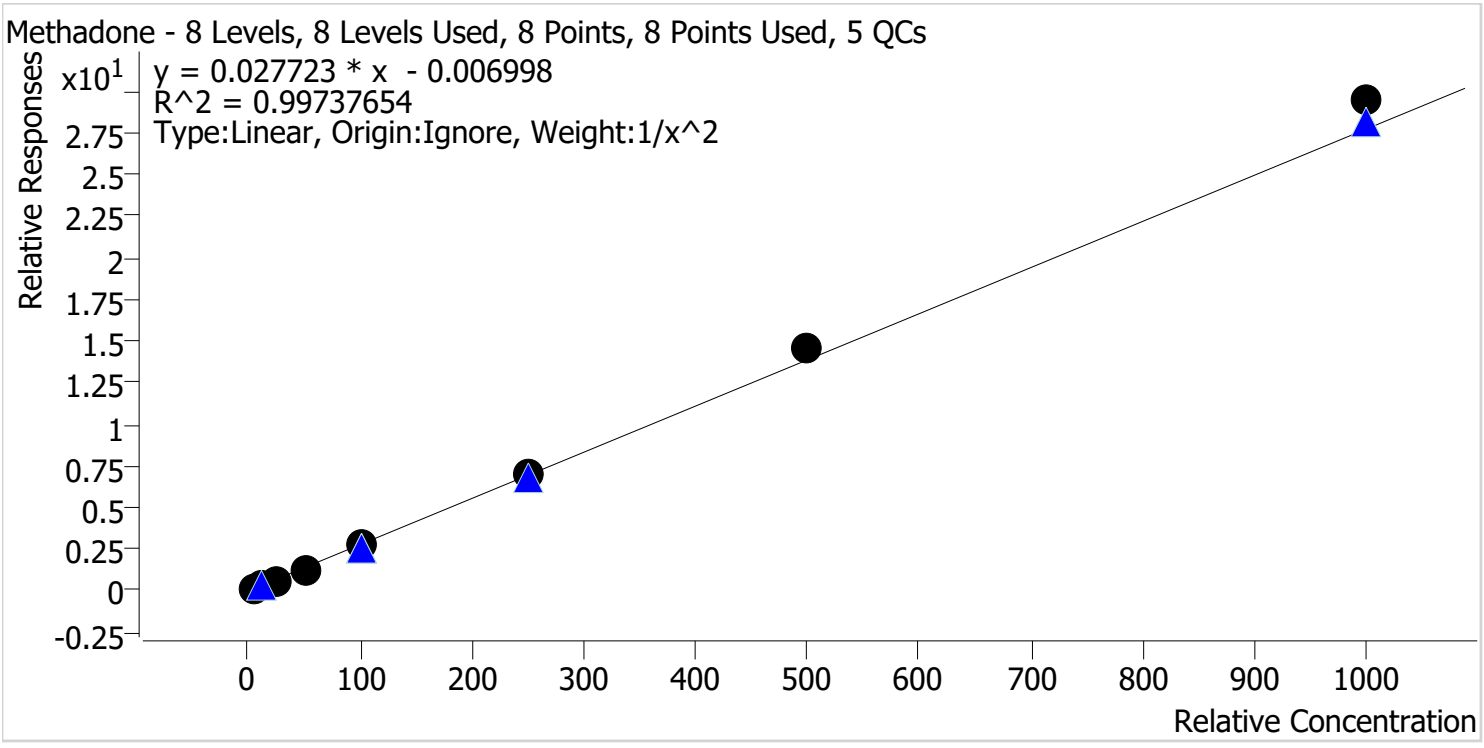


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.8	96.0
p1 Cal 2-10ng	2	✔	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✔	25.0	28.2	112.6
p1 Cal 4-50ng	4	✔	50.0	55.3	110.7
p1 Cal 5-100ng	5	✔	100.0	104.4	104.4
p1 Cal 6-250ng	6	✔	250.0	237.9	95.2
p1 Cal 7-500ng	7	✔	500.0	445.8	89.2
p1 Cal 8-1000ng	8	✔	1000.0	911.0	91.1

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Methadone
Internal Standard	Methadone-D9

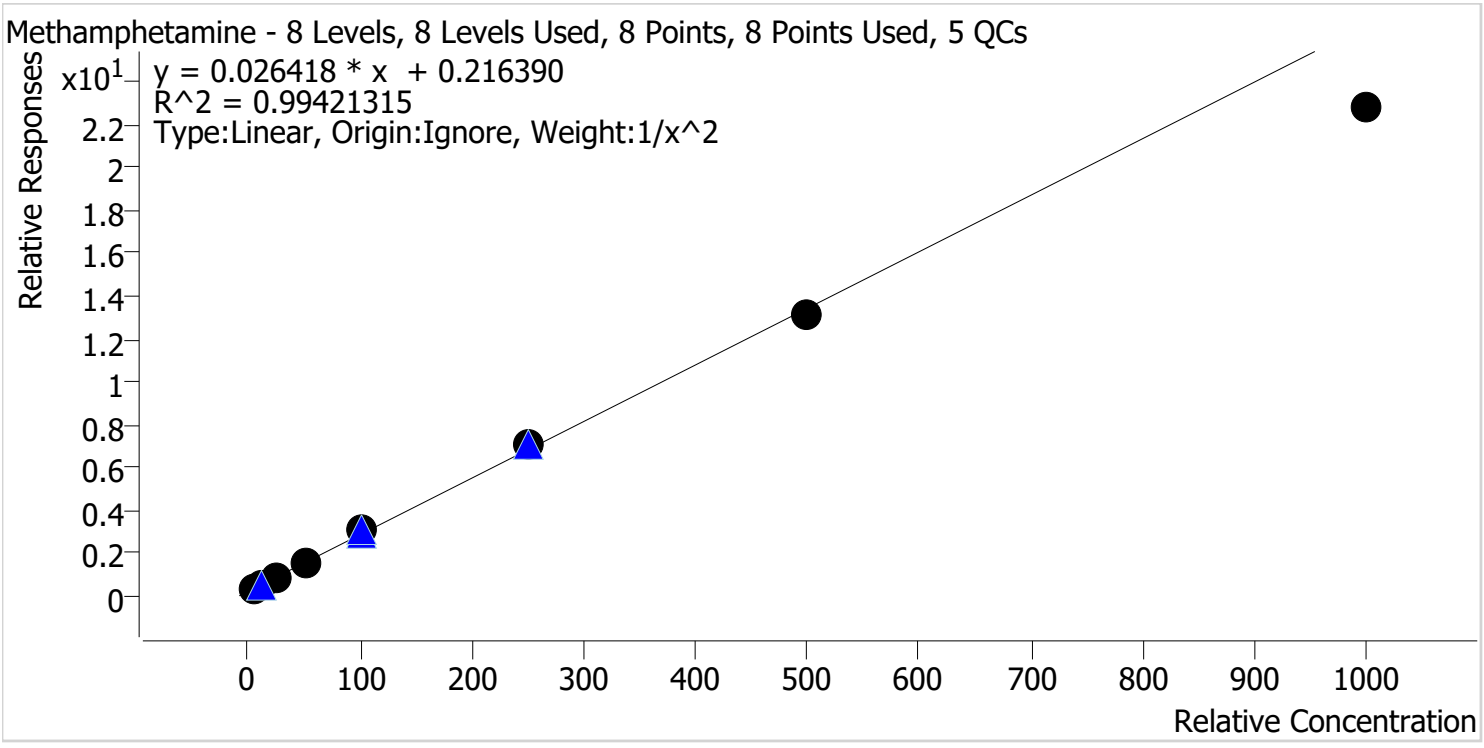


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	102.4
p1 Cal 2-10ng	2	✔	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✔	25.0	23.7	95.0
p1 Cal 4-50ng	4	✔	50.0	46.9	93.8
p1 Cal 5-100ng	5	✔	100.0	99.6	99.6
p1 Cal 6-250ng	6	✔	250.0	248.8	99.5
p1 Cal 7-500ng	7	✔	500.0	525.9	105.2
p1 Cal 8-1000ng	8	✔	1000.0	1062.4	106.2

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Methamphetamine
Internal Standard	Methamphetamine-D11

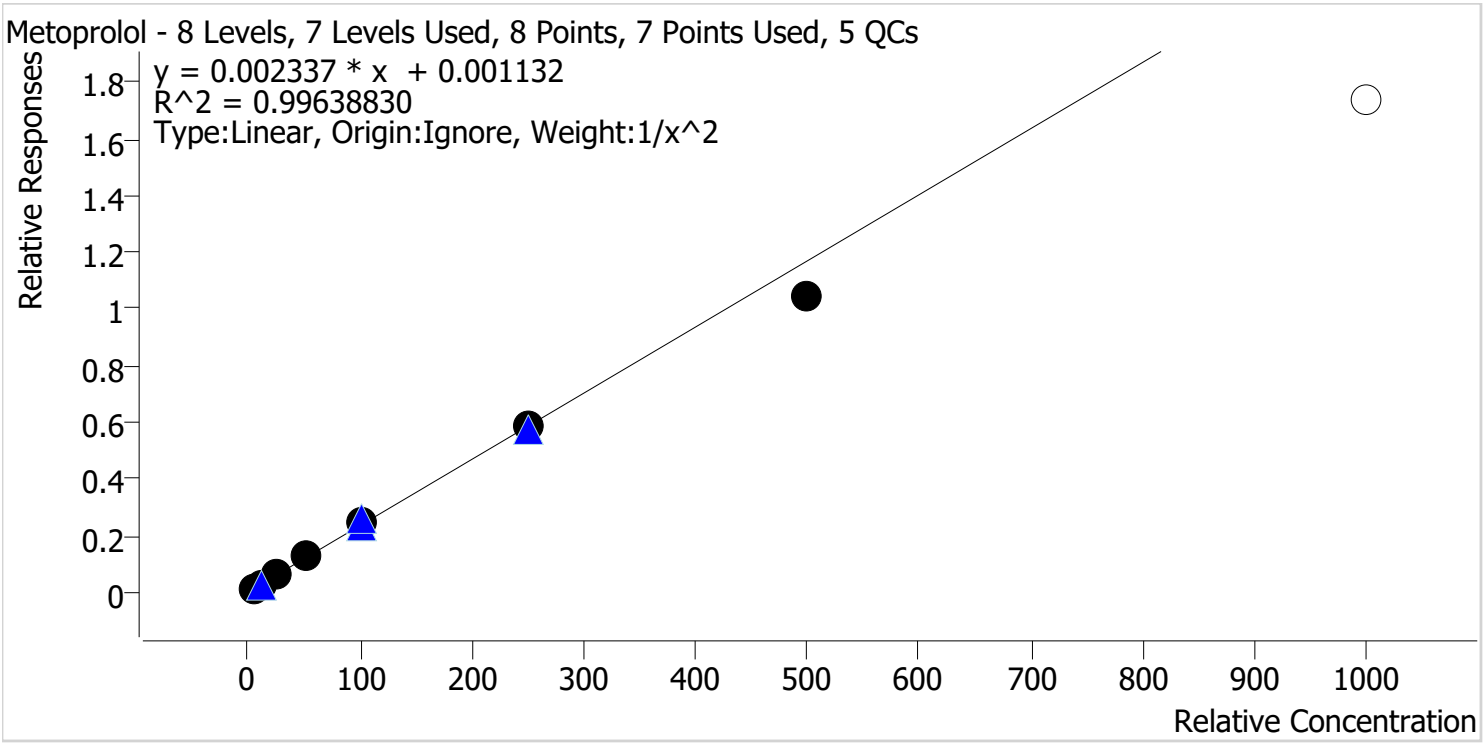


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.7
p1 Cal 2-10ng	2	✔	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✔	25.0	26.0	104.1
p1 Cal 4-50ng	4	✔	50.0	52.7	105.4
p1 Cal 5-100ng	5	✔	100.0	105.7	105.7
p1 Cal 6-250ng	6	✔	250.0	260.4	104.2
p1 Cal 7-500ng	7	✔	500.0	488.5	97.7
p1 Cal 8-1000ng	8	✔	1000.0	858.8	85.9

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Metoprolol
Internal Standard	Tramadol-13C-D3

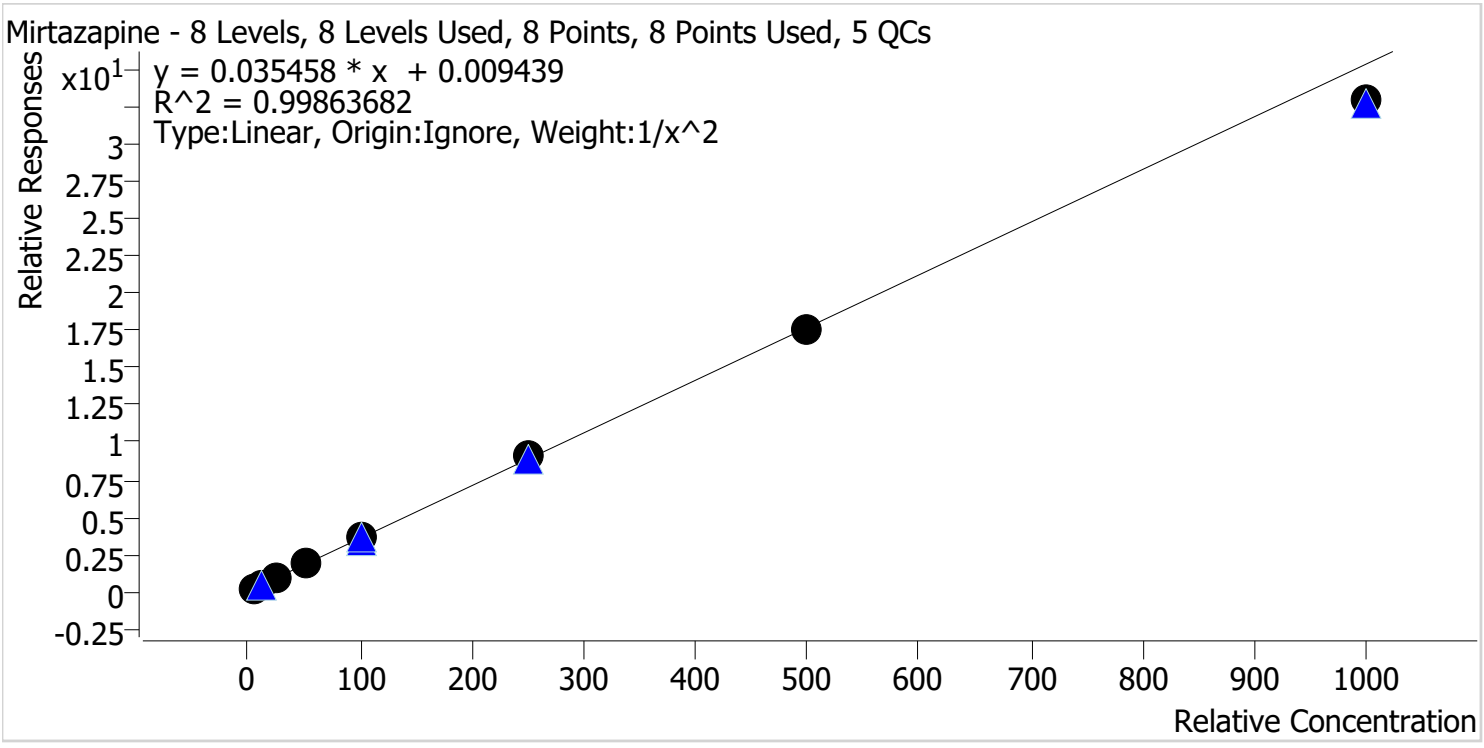


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	98.0
p1 Cal 2-10ng	2	✔	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✔	25.0	25.6	102.6
p1 Cal 4-50ng	4	✔	50.0	52.3	104.6
p1 Cal 5-100ng	5	✔	100.0	102.4	102.4
p1 Cal 6-250ng	6	✔	250.0	252.5	101.0
p1 Cal 7-500ng	7	✔	500.0	446.9	89.4
p1 Cal 8-1000ng	8	✗	1000.0	742.8	74.3

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Mirtazapine
Internal Standard	alpha-PVP-D8

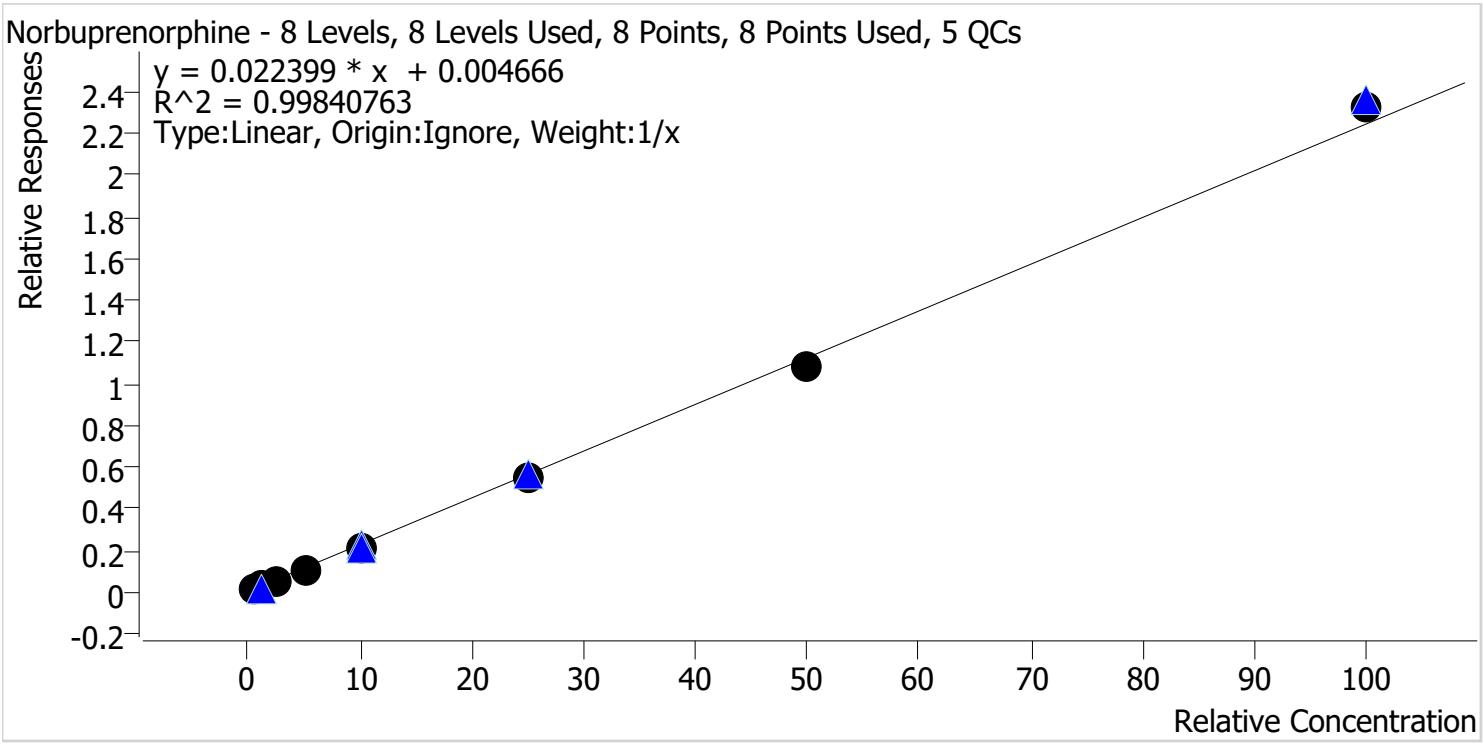


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.5
p1 Cal 2-10ng	2	✔	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✔	25.0	25.1	100.5
p1 Cal 4-50ng	4	✔	50.0	52.1	104.1
p1 Cal 5-100ng	5	✔	100.0	101.4	101.4
p1 Cal 6-250ng	6	✔	250.0	255.5	102.2
p1 Cal 7-500ng	7	✔	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✔	1000.0	931.3	93.1

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Norbuprenorphine
Internal Standard	Norbuprenorphine-D3

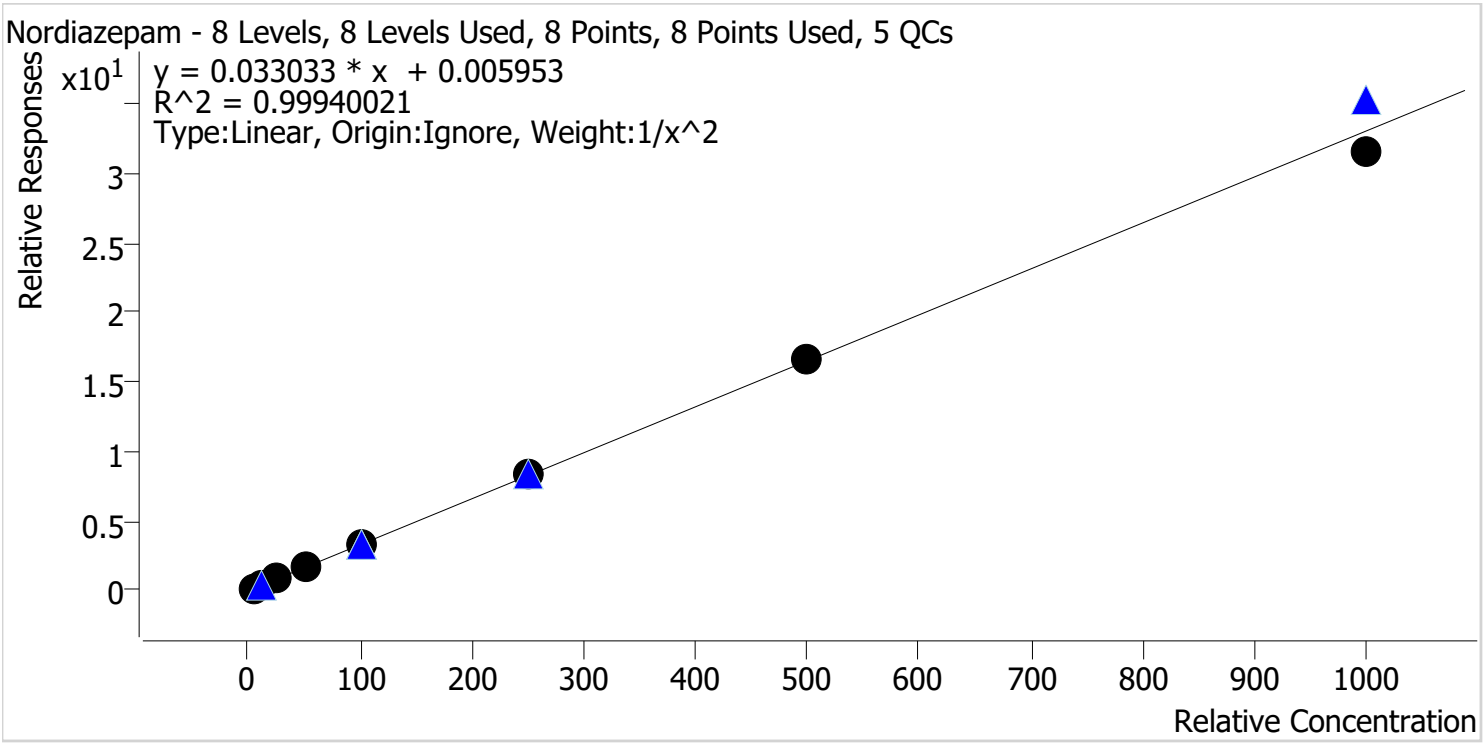


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.6	122.4
p1 Cal 2-10ng	2	✔	1.0	1.0	102.7
p1 Cal 3 -25ng	3	✔	2.5	2.3	90.9
p1 Cal 4-50ng	4	✔	5.0	4.6	92.1
p1 Cal 5-100ng	5	✔	10.0	9.4	94.1
p1 Cal 6-250ng	6	✔	25.0	24.5	97.8
p1 Cal 7-500ng	7	✔	50.0	48.4	96.7
p1 Cal 8-1000ng	8	✔	100.0	103.2	103.2

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Last Cal. Update	7/26/2024 11:02 AM
Analyst Name	ISP\Datastor
Analyte	Nordiazepam
Internal Standard	Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.3
p1 Cal 2-10ng	2	✔	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✔	25.0	25.4	101.7
p1 Cal 4-50ng	4	✔	50.0	51.1	102.2
p1 Cal 5-100ng	5	✔	100.0	100.3	100.3
p1 Cal 6-250ng	6	✔	250.0	250.2	100.1
p1 Cal 7-500ng	7	✔	500.0	504.6	100.9
p1 Cal 8-1000ng	8	✔	1000.0	952.6	95.3

TS

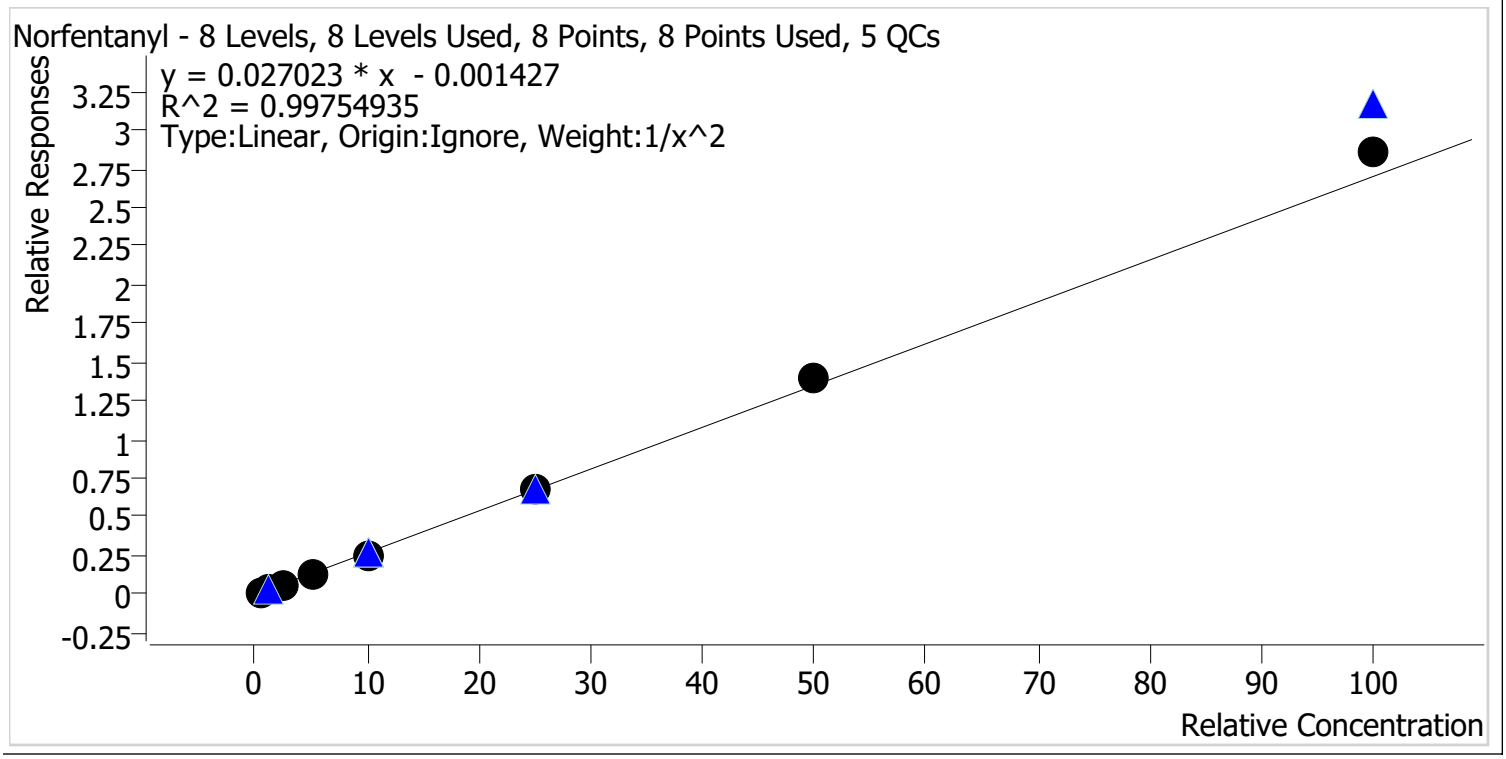
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin

Last Cal. Update 7/26/2024 11:02 AM

Analyst Name ISP\Datastor

Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.5	100.6
p1 Cal 2-10ng	2	✔	1.0	1.0	102.2
p1 Cal 3 -25ng	3	✔	2.5	2.4	94.7
p1 Cal 4-50ng	4	✔	5.0	4.7	95.0
p1 Cal 5-100ng	5	✔	10.0	9.7	96.5
p1 Cal 6-250ng	6	✔	25.0	25.1	100.4
p1 Cal 7-500ng	7	✔	50.0	52.2	104.3
p1 Cal 8-1000ng	8	✔	100.0	106.3	106.3

TS

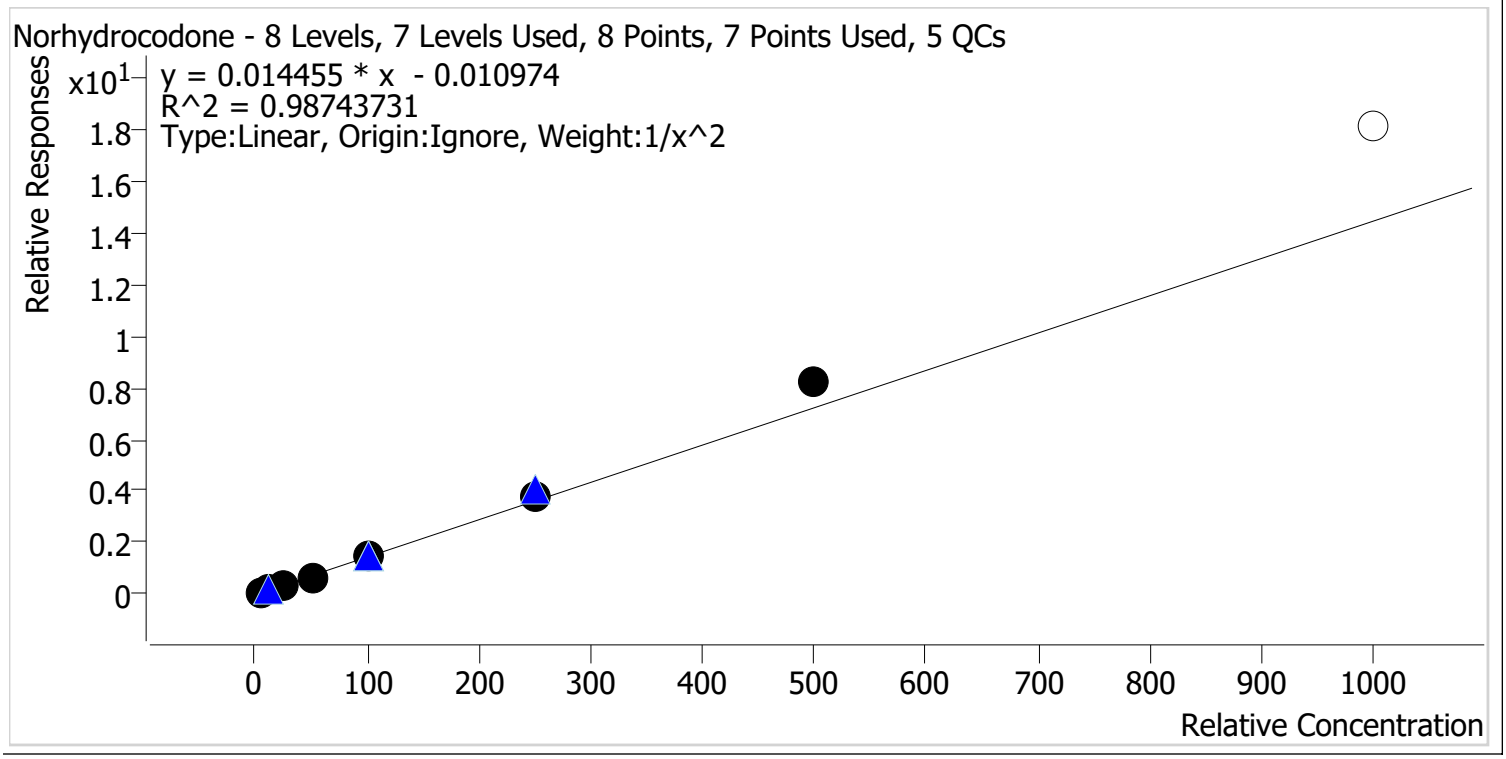
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin

Last Cal. Update 7/26/2024 11:02 AM

Analyst Name ISP\Datastor

Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.3	105.3
p1 Cal 2-10ng	2	✔	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✔	25.0	22.1	88.2
p1 Cal 4-50ng	4	✔	50.0	44.8	89.5
p1 Cal 5-100ng	5	✔	100.0	100.8	100.8
p1 Cal 6-250ng	6	✔	250.0	265.0	106.0
p1 Cal 7-500ng	7	✔	500.0	572.8	114.6
p1 Cal 8-1000ng	8	✗	1000.0	1255.1	125.5

TS

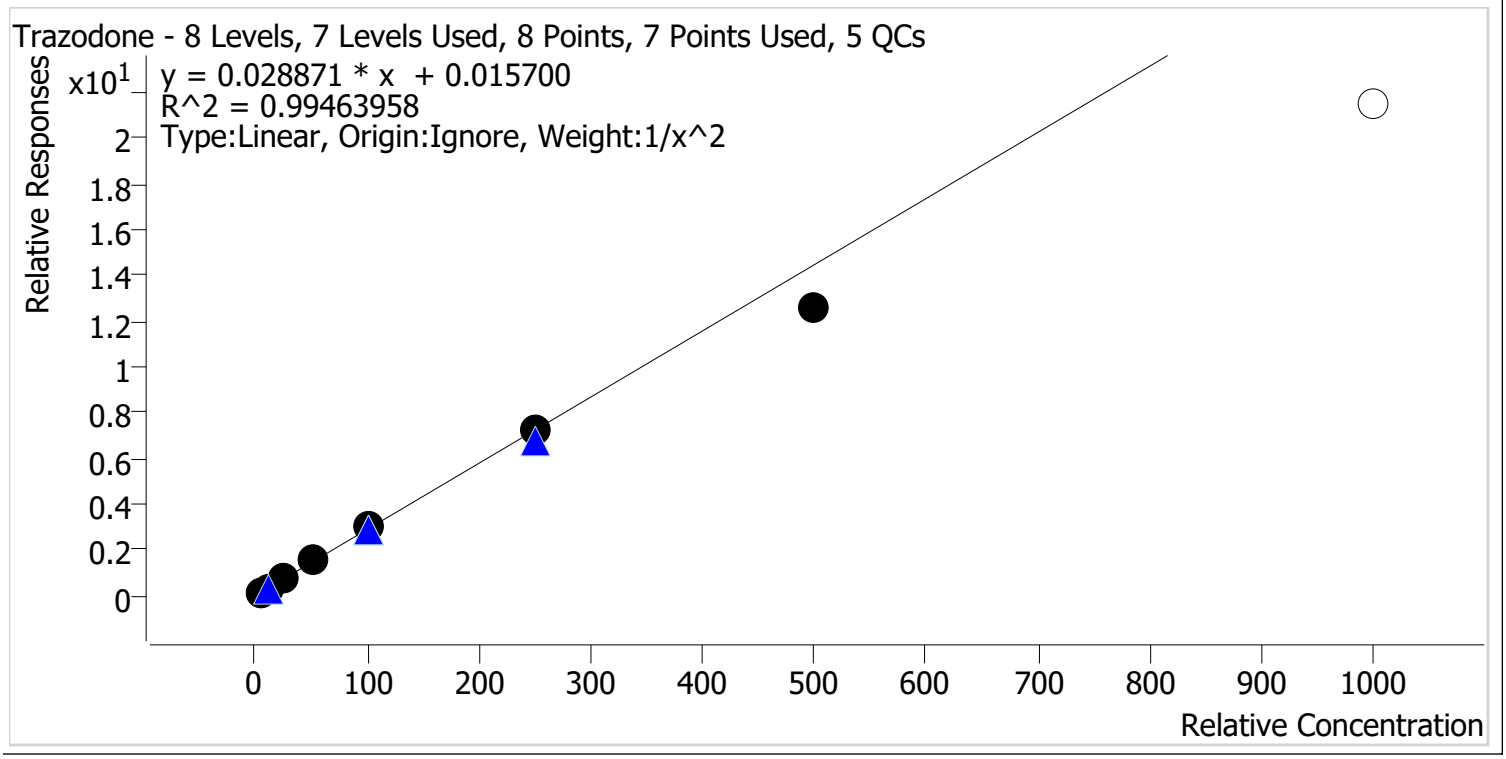
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin

Last Cal. Update 7/26/2024 11:02 AM

Analyst Name ISP\Datastor

Analyte Trazodone **Internal Standard** Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	97.3
p1 Cal 2-10ng	2	✔	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✔	25.0	26.0	104.0
p1 Cal 4-50ng	4	✔	50.0	53.0	106.0
p1 Cal 5-100ng	5	✔	100.0	102.4	102.4
p1 Cal 6-250ng	6	✔	250.0	250.6	100.2
p1 Cal 7-500ng	7	✔	500.0	437.0	87.4
p1 Cal 8-1000ng	8	✗	1000.0	742.5	74.2

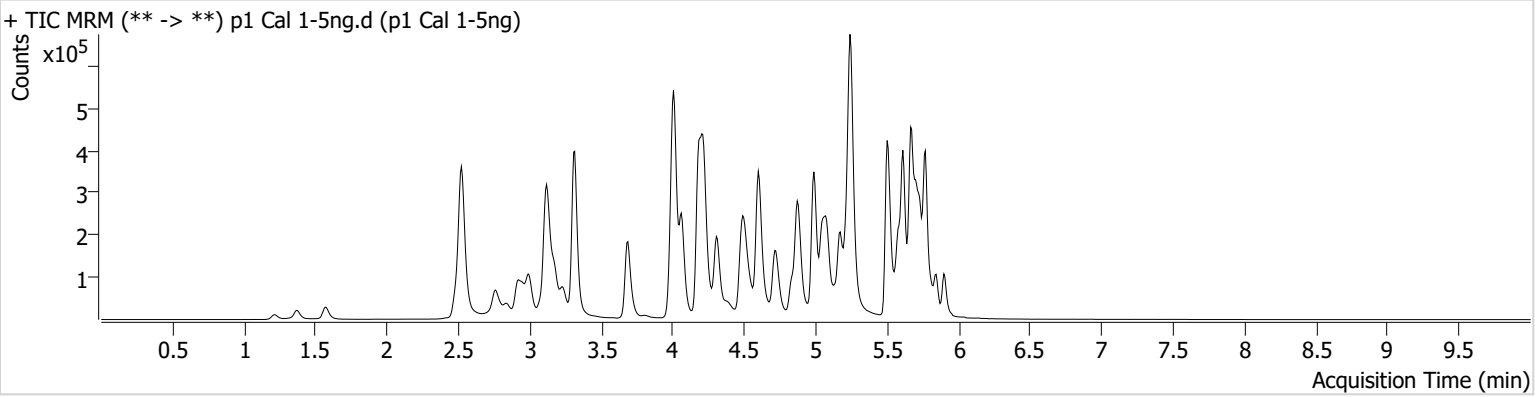
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 1-5ng.d
Type	Cal	**Sample**	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P6-H12	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	7/23/2024 12:37:51 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio		S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.217	14093	82.62	77.6		52.03	113439	4.7710 ng/ml
Alprazolam	5.728	28370	634.35	106.2		344.77	222315	5.0877 ng/ml
Amphetamine	2.999	116787	207.22	50.1		475.81	269585	4.8024 ng/ml
Benzoylecgonine	3.835	1765	39.79	41.3		514.66	9962	5.1497 ng/ml
Bromazolam	5.766	23806	4430.16	112.6		30976.76	115470	4.9660 ng/ml
Buprenorphine	5.833	1261	42.50	14.6		237.21	97760	0.4906 ng/ml
Bupropion	4.738	57924	4514.21	61.6		269.92	375782	5.0526 ng/ml
Citalopram	5.173	48305	466.27	37.2		75.86	435280	5.1165 ng/ml
Clonazepam	5.570	34770	398.87	37.4		22975.06	90561	4.7811 ng/ml
Cyclobenzaprine	5.586	45893	71915.97	9.1		2300.41	327489	5.1041 ng/ml
Diazepam	5.906	20904	231.29	93.5		137.68	167386	5.0645 ng/ml
Diphenhydramine	5.251	133889	388.60	30.8		221.50	1395203	5.1324 ng/ml
Duloxetine	5.606	6507	545.59	10.6	Low	∞	58762	5.9503 ng/ml
EDDP	5.215	28186	1103.83	42.4		∞	260448	5.0968 ng/ml
Fentanyl	5.062	4831	100.43	89.4		2504.98	502323	0.5061 ng/ml
Fluoxetine	5.666	62256	88854.12	8.1		78.21	432024	5.0480 ng/ml
Hydrocodone	2.982	21126	130.02	33.3		31.99	189845	4.9389 ng/ml
Hydroxyzine	5.670	58411	935.85	67.1		6333.19	256461	5.0912 ng/ml
Ketamine	4.001	40303	643.51	36.6		444.26	318358	4.8755 ng/ml
Lamotrigine	4.225	37426	410.76	80.9		12603.82	1013074	47.4003 ng/ml
Lorazepam	5.706	31372	400.78	56.8		66.30	345492	4.8017 ng/ml
Methadone	5.618	79374	203.00	51.7		259.20	588156	5.1204 ng/ml
Methamphetamine	3.175	199753	383.00	38.4		203.65	573957	4.9828 ng/ml
Metoprolol	4.272	11203	4642.58	102.5		782.97	890514	4.8993 ng/ml
Mirtazapine	4.600	81307	32270.02	50.5		32157.85	437454	4.9756 ng/ml
Norbuprenorphine	4.944	378	34.06	101.7		516.54	20573	0.6119 ng/ml
Nordiazepam	5.853	23436	186.18	56.7		335.01	137832	4.9671 ng/ml
Norfentanyl	4.028	9252	178.32	41.6		48.56	760621	0.5029 ng/ml
Norhydrocodone	3.016	4203	96.34	41.3		25.55	64512	5.2661 ng/ml
Trazodone	5.136	76168	148874.69	61.2		1838.94	487804	4.8646 ng/ml

TS

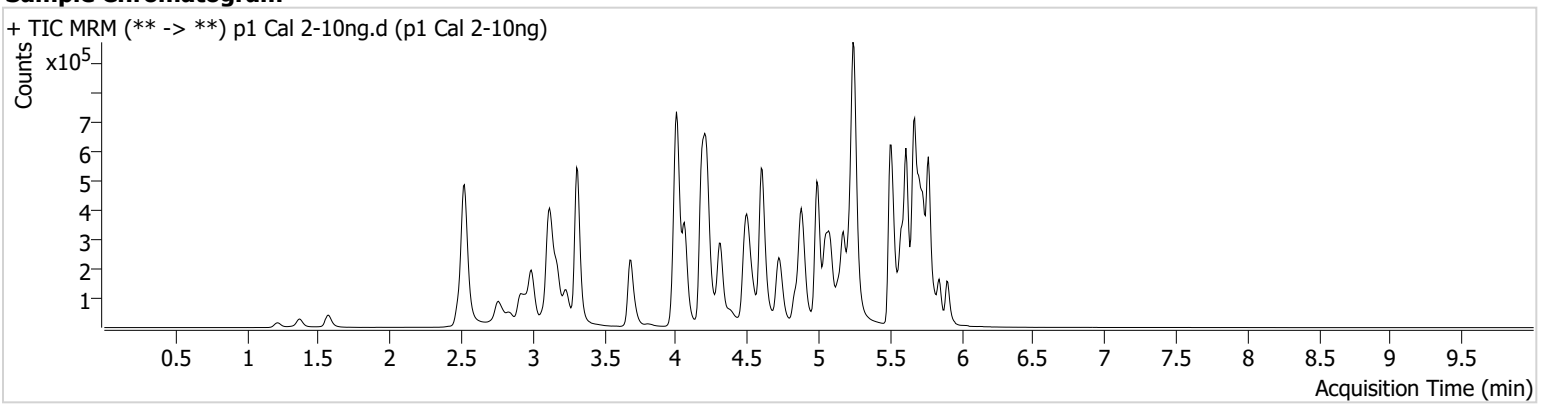
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P6-G12
Injection Volume 2
Acq. Date-Time 7/23/2024 12:48:41 AM
Sample Info.

Data File p1 Cal 2-10ng.d
Sample p1 Cal 2-10ng
Operator Tamara Salazar
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	4.217	37194	5156.65	77.2	1010.20	149648	10.6405 ng/ml
Alprazolam	5.728	72415	499.20	106.1	289.00	286815	9.8524 ng/ml
Amphetamine	2.992	275988	120.79	49.1	422.77	330782	10.4854 ng/ml
Benzoylecgonine	3.835	4034	102.45	35.0	23.57	13359	9.3451 ng/ml
Bromazolam	5.766	57890	6277.05	116.8	1601.93	147235	9.9316 ng/ml
Buprenorphine	5.840	3372	2194.86	14.1	731.63	125295	1.0255 ng/ml
Bupropion	4.738	144805	345.62	63.4	726.32	475566	9.9452 ng/ml
Citalopram	5.173	124716	287.00	37.0	976.54	568415	9.8360 ng/ml
Clonazepam	5.570	88282	8739.02	35.7	70237.81	118603	10.3012 ng/ml
Cyclobenzaprine	5.586	126226	1625.28	8.8	221.21	436747	9.9111 ng/ml
Diazepam	5.906	52358	495.17	93.1	447.84	215656	9.7408 ng/ml
Diphenhydramine	5.251	344669	46927.13	30.9	577.20	1824958	9.7754 ng/ml
Duloxetine	5.606	15460	789.33	12.2	16.69	80647	10.0761 ng/ml
EDDP	5.215	69096	795.30	41.4	38786.90	321642	9.7841 ng/ml
Fentanyl	5.062	12727	92.13	77.0	5243.46	682364	0.9909 ng/ml
Fluoxetine	5.666	162236	833.15	8.3	6573.09	581469	9.8793 ng/ml
Hydrocodone	2.982	49871	115.70	36.1	47.76	230796	10.0274 ng/ml
Hydroxyzine	5.670	152000	44535.84	68.2	1190.91	334954	9.9228 ng/ml
Ketamine	4.001	99587	1347.56	34.9	217.81	399327	10.2668 ng/ml
Lamotrigine	4.225	91279	79.69	83.1	11246.37	1263102	106.8877 ng/ml
Lorazepam	5.706	73746	1028.89	54.7	241.76	445418	10.0802 ng/ml
Methadone	5.618	208366	1097.80	50.4	924.47	784455	9.8337 ng/ml
Methamphetamine	3.175	340652	3733.18	37.1	1668.55	719073	9.7412 ng/ml
Metoprolol	4.272	28288	381.91	104.6	1803.62	1132956	10.2008 ng/ml
Mirtazapine	4.600	202653	892.75	52.7	567.10	557743	9.9810 ng/ml
Norbuprenorphine	4.938	728	706.21	90.9	∞	26306	1.0268 ng/ml
Nordiazepam	5.853	60681	567.47	57.2	829.75	180129	10.0181 ng/ml
Norfentanyl	4.028	24437	113.85	37.2	236.89	933432	1.0216 ng/ml
Norhydrocodone	3.016	9858	207.20	39.0	37.81	77535	9.5550 ng/ml
Trazodone	5.136	200749	376099.36	61.2	64300.82	643516	10.2615 ng/ml

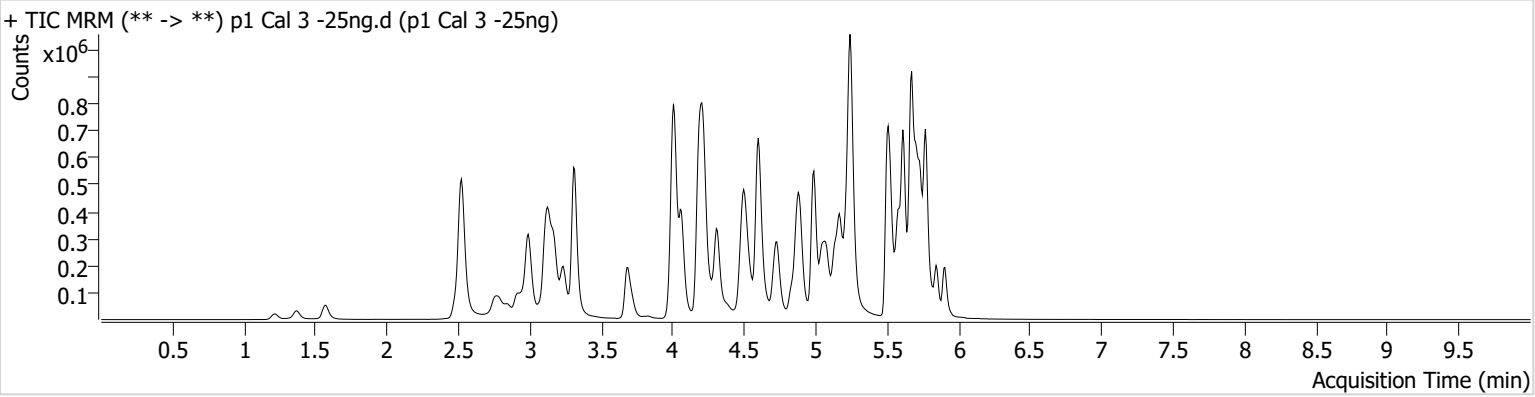
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 3 -25ng.d
Type	Cal	**Sample**	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P6-F12	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	7/23/2024 12:59:19 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.217	63270	2040.89	81.6	29.71	109758	26.1237 ng/ml
Alprazolam	5.728	147505	751.68	109.7	377.72	239581	23.7115 ng/ml
Amphetamine	2.992	531473	183.58	49.2	2501.59	270989	26.4500 ng/ml
Benzoylecgonine	3.835	7803	113.18	35.3	358.45	10069	25.2358 ng/ml
Bromazolam	5.766	124906	71138.68	108.3	132239.66	127572	25.4888 ng/ml
Buprenorphine	5.840	6699	292.29	16.1	781.47	101080	2.5284 ng/ml
Bupropion	4.738	297015	478.87	62.8	353.20	399568	24.2263 ng/ml
Citalopram	5.173	244133	266.71	38.4	156.99	454822	23.6483 ng/ml
Clonazepam	5.570	180599	1813.44	36.4	511.81	97915	27.1503 ng/ml
Cyclobenzaprine	5.586	257003	464825.04	9.2	343.53	358984	23.6951 ng/ml
Diazepam	5.906	111559	384.30	92.5	1064.11	178934	24.8404 ng/ml
Diphenhydramine	5.251	700182	882.51	30.1	259.18	1498293	23.6922 ng/ml
Duloxetine	5.606	31931	372.06	13.7	116.93	66941	24.6170 ng/ml
EDDP	5.215	135463	546.24	41.1	250.61	250022	24.1615 ng/ml
Fentanyl	5.062	25861	88.44	79.0	12751.55	571637	2.4177 ng/ml
Fluoxetine	5.666	334209	354.83	8.0	30094.03	483734	24.6296 ng/ml
Hydrocodone	2.982	102944	239.56	35.1	152.78	190574	25.7635 ng/ml
Hydroxyzine	5.670	305024	3201.18	68.0	193691.25	275040	23.9281 ng/ml
Ketamine	4.001	198216	650.68	36.7	746.26	328976	25.7719 ng/ml
Lamotrigine	4.225	176627	2661.64	83.8	136758.18	1017291	277.5854 ng/ml
Lorazepam	5.706	153426	5146.85	54.0	179.58	363905	28.1579 ng/ml
Methadone	5.618	418288	778.62	51.2	616.03	642366	23.7410 ng/ml
Methamphetamine	3.175	541167	3370.60	37.8	3471.32	598530	26.0337 ng/ml
Metoprolol	4.272	57810	4204.66	103.6	1007.43	946863	25.6441 ng/ml
Mirtazapine	4.600	408353	30827.74	52.7	345.30	453628	25.1214 ng/ml
Norbuprenorphine	4.938	1237	146.06	113.0	376.98	22273	2.2717 ng/ml
Nordiazepam	5.853	127065	364809.03	56.1	333.02	150192	25.4313 ng/ml
Norfentanyl	4.028	47814	527.84	36.8	120.80	764675	2.3667 ng/ml
Norhydrocodone	3.009	19619	135.22	38.9	100.09	63740	22.0529 ng/ml
Trazodone	5.136	412597	501324.39	60.2	192.03	538484	25.9958 ng/ml

TS

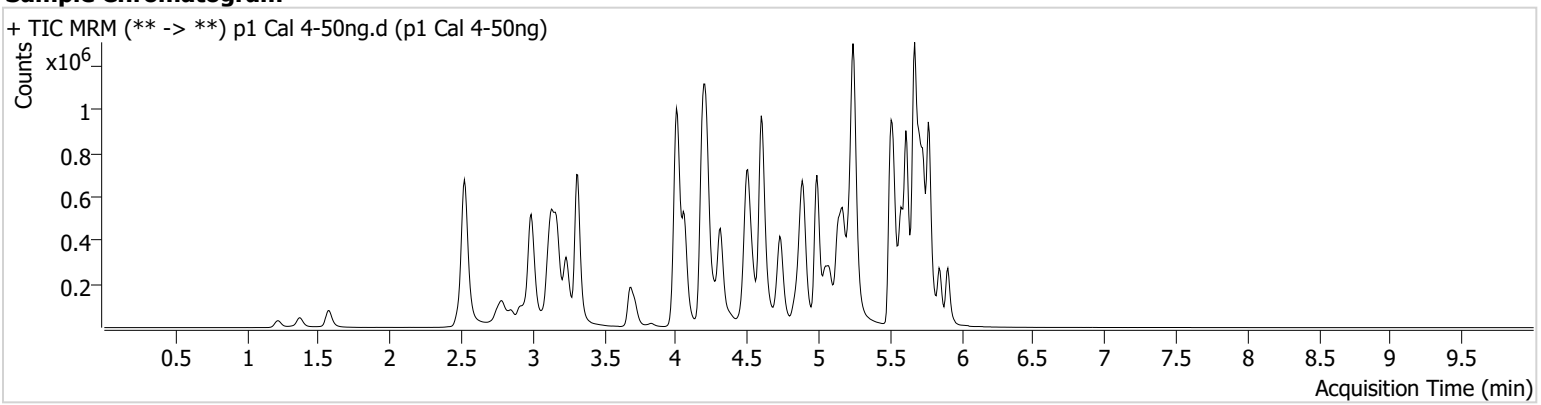
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P6-E12
Injection Volume 2
Acq. Date-Time 7/23/2024 1:09:57 AM
Sample Info.

Data File p1 Cal 4-50ng.d
Sample p1 Cal 4-50ng
Operator Tamara Salazar
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	4.217	113858	2051.10	74.2	285.26	98999	53.2105 ng/ml
Alprazolam	5.728	276331	919.58	106.8	1068.36	212874	49.7517 ng/ml
Amphetamine	2.992	968762	279.03	48.3	419.20	252065	53.1136 ng/ml
Benzoylecgonine	3.835	15659	66.23	34.4	67.26	10250	50.5304 ng/ml
Bromazolam	5.766	218163	2924.62	114.6	4848.52	109566	52.3608 ng/ml
Buprenorphine	5.840	12258	12710.57	14.9	943.59	91146	5.1326 ng/ml
Bupropion	4.738	534723	2620.58	63.5	9478.10	356556	48.8393 ng/ml
Citalopram	5.173	441030	1209.92	37.2	67322.98	401492	48.0957 ng/ml
Clonazepam	5.570	320741	4972.08	36.7	2933.61	88436	54.4497 ng/ml
Cyclobenzaprine	5.586	444190	372.16	9.0	456.40	309041	46.9879 ng/ml
Diazepam	5.906	202308	798.59	93.8	483.97	158775	50.6510 ng/ml
Diphenhydramine	5.251	1252381	16821.26	30.3	652.98	1321899	47.6865 ng/ml
Duloxetine	5.606	55717	30062.86	13.5	90.80	57656	49.5573 ng/ml
EDDP	5.215	221833	714.14	41.8	315.33	198609	49.4498 ng/ml
Fentanyl	5.062	46998	252.59	80.7	110.17	506678	4.9675 ng/ml
Fluoxetine	5.666	582199	1059.59	8.1	2011.05	418974	49.6508 ng/ml
Hydrocodone	2.975	190310	81.49	36.3	∞	175227	52.2692 ng/ml
Hydroxyzine	5.670	547210	4140.81	69.2	115499.74	241495	48.6569 ng/ml
Ketamine	4.001	361320	9414.72	36.7	941.51	296019	52.9093 ng/ml
Lamotrigine	4.225	299256	376.30	85.2	9441.19	945021	518.4778 ng/ml
Lorazepam	5.706	255542	8110.20	53.2	270.92	316809	55.3407 ng/ml
Methadone	5.618	718468	17945.42	53.1	3229.63	555576	46.8997 ng/ml
Methamphetamine	3.175	893779	3737.62	37.5	738.29	555734	52.6865 ng/ml
Metoprolol	4.272	105773	1297.41	103.5	6795.15	857602	52.2976 ng/ml
Mirtazapine	4.600	749750	1531.29	53.1	2514.40	404039	52.0673 ng/ml
Norbuprenorphine	4.944	2139	924.69	106.9	2485.65	19837	4.6060 ng/ml
Nordiazepam	5.853	229712	3483.58	55.1	544.56	135626	51.0939 ng/ml
Norfentanyl	4.028	88872	1791.09	37.2	377.22	700304	4.7490 ng/ml
Norhydrocodone	3.009	37424	218.79	40.2	141.05	58832	44.7673 ng/ml
Trazodone	5.136	748141	806113.90	60.2	6992.67	483796	53.0189 ng/ml

TS

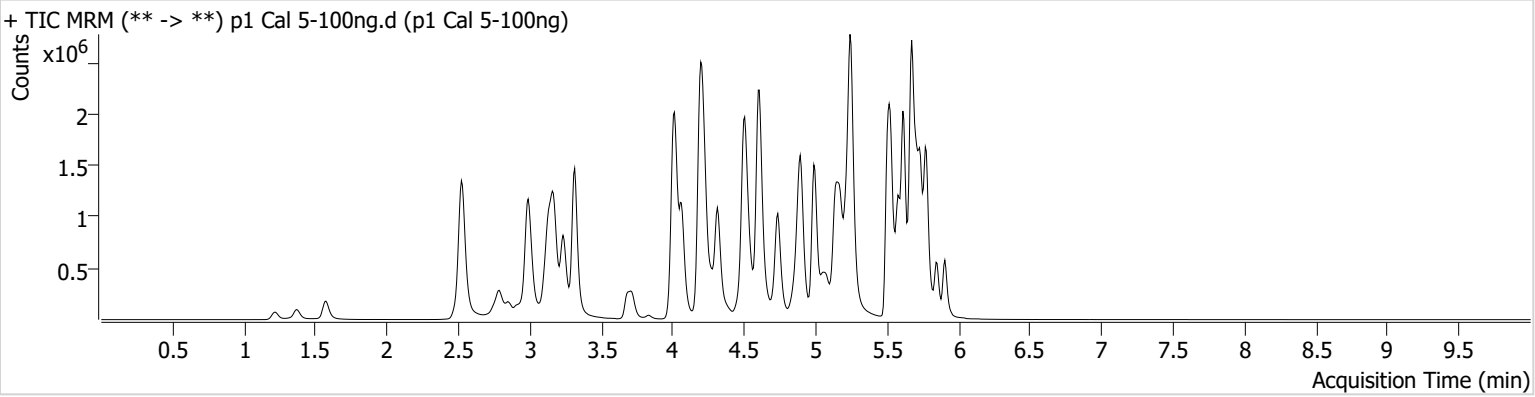
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P6-D12
Injection Volume 2
Acq. Date-Time 7/23/2024 1:20:35 AM
Sample Info.

Data File p1 Cal 5-100ng.d
Sample p1 Cal 5-100ng
Operator Tamara Salazar
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	4.217	200103	1283.33	76.6	614.35	90724	103.0513 ng/ml
Alprazolam	5.728	681442	∞	105.5	755.39	260766	99.9350 ng/ml
Amphetamine	2.992	2322787	24355.76	47.2	765.07	324561	100.0548 ng/ml
Benzoylecgonine	3.835	39411	396.92	35.9	518.18	13264	99.0388 ng/ml
Bromazolam	5.766	499717	424990.70	113.3	439565.24	125629	105.1079 ng/ml
Buprenorphine	5.840	34608	24636.27	14.7	128.90	125833	10.4982 ng/ml
Bupropion	4.738	1519026	864.88	62.0	18478.68	492001	100.5080 ng/ml
Citalopram	5.173	1214219	1291.80	36.8	4568.04	542304	97.7346 ng/ml
Clonazepam	5.570	738244	30112.10	36.4	443.47	103888	107.7395 ng/ml
Cyclobenzaprine	5.586	1242925	3872.50	8.5	513.65	407577	99.0441 ng/ml
Diazepam	5.906	510596	773.60	91.6	2777.33	203105	99.8264 ng/ml
Diphenhydramine	5.251	3424223	10609.11	30.9	632.79	1754006	97.9058 ng/ml
Duloxetine	5.606	138941	2995.93	13.9	16922.86	71351	99.5495 ng/ml
EDDP	5.215	622288	9679.92	42.2	8607.19	281263	97.6211 ng/ml
Fentanyl	5.062	127901	5576.51	82.4	3572.81	695380	9.8599 ng/ml
Fluoxetine	5.666	1406230	1228.20	7.9	282677.81	506860	99.2435 ng/ml
Hydrocodone	2.975	478535	134.75	38.4	662.83	227358	101.7305 ng/ml
Hydroxyzine	5.670	1446591	446367.68	72.9	22595.29	333998	92.8005 ng/ml
Ketamine	4.001	931200	4447.01	36.8	11802.60	401463	101.1592 ng/ml
Lamotrigine	4.225	607615	3995.53	87.5	2738.30	1202957	835.8192 ng/ml
Lorazepam	5.706	500767	1627.82	51.9	741.99	333435	104.4269 ng/ml
Methadone	5.618	2047479	1705.05	51.3	1565.42	743720	99.5576 ng/ml
Methamphetamine	3.168	2275169	7938.61	37.1	2932.95	756299	105.6800 ng/ml
Metoprolol	4.272	281645	1132.43	102.5	4310.71	1170967	102.4488 ng/ml
Mirtazapine	4.600	2018151	1532.50	52.9	35612.93	559828	101.4022 ng/ml
Norbuprenorphine	4.944	5738	6226.12	106.1	3412.80	26621	9.4147 ng/ml
Nordiazepam	5.853	556614	2371.80	56.3	870.55	167659	100.3244 ng/ml
Norfentanyl	4.028	212905	1575.66	39.1	2255.42	820678	9.6530 ng/ml
Norhydrocodone	3.009	108045	3038.49	37.9	102.87	74703	100.8185 ng/ml
Trazodone	5.136	1986703	3323.27	62.7	268517.01	668273	102.4282 ng/ml

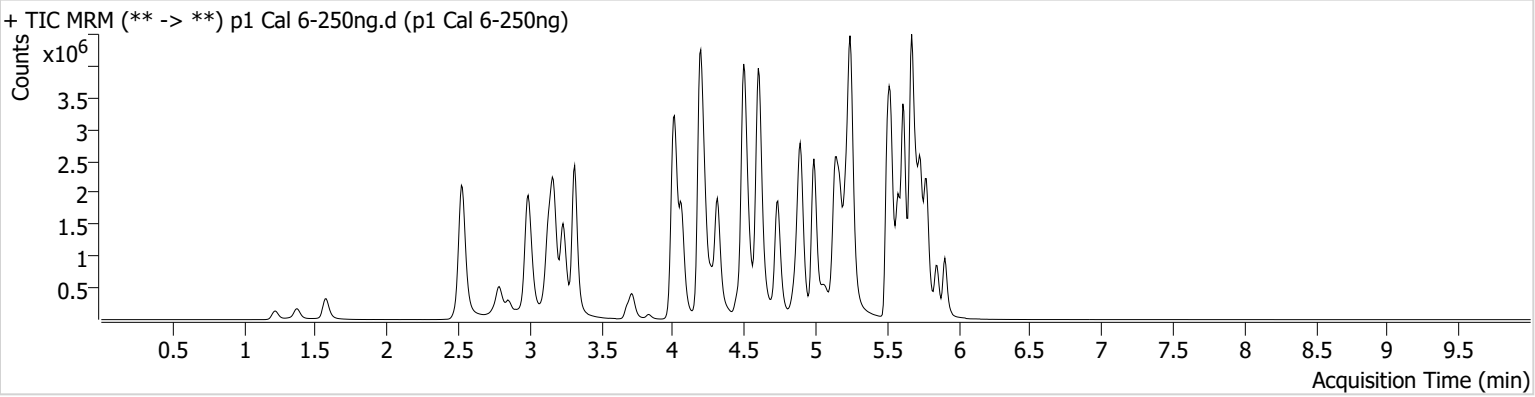
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 6-250ng.d
Type	Cal	**Sample**	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P6-C12	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	7/23/2024 1:31:14 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.210	266268	2616.82	75.3	1466.16	59413	210.5204 ng/ml
Alprazolam	5.728	1241455	1933.49	105.8	811.73	185476	255.6261 ng/ml
Amphetamine	2.992	4039726	43502.12	47.8	217.48	261477	217.5422 ng/ml
Benzoylecgonine	3.835	84844	468.52	36.0	892.89	11184	254.1074 ng/ml
Bromazolam	5.766	795041	129136.74	117.2	2450.41	85781	245.5806 ng/ml
Buprenorphine	5.840	68252	73574.09	15.7	8071.90	110651	23.5472 ng/ml
Bupropion	4.738	3023254	391061.44	62.6	1424.46	387526	253.9098 ng/ml
Citalopram	5.173	2370672	2213.23	36.1	586808.98	414213	249.3827 ng/ml
Clonazepam	5.570	1203981	15808.70	36.5	15188.74	72258	254.1014 ng/ml
Cyclobenzaprine	5.586	2418930	6670.51	8.2	558.41	318034	246.1605 ng/ml
Diazepam	5.906	972582	5018.86	93.3	3402.95	153981	250.6441 ng/ml
Diphenhydramine	5.244	6701210	1413.56	30.5	1009.81	1335711	251.0764 ng/ml
Duloxetine	5.606	253542	5794.42	13.3	613.55	50950	253.9252 ng/ml
EDDP	5.215	1428415	1290.95	41.7	2733.56	251975	249.5988 ng/ml
Fentanyl	5.062	264888	294.47	80.3	161237.29	571729	24.8517 ng/ml
Fluoxetine	5.666	2607772	1816.64	7.6	226890.07	364348	256.2057 ng/ml
Hydrocodone	2.975	931516	∞	38.8	∞	181399	248.8691 ng/ml
Hydroxyzine	5.670	2832651	95996.42	72.9	3302.16	248011	244.3551 ng/ml
Ketamine	4.001	1754735	3237.68	36.1	1220.36	306830	250.4154 ng/ml
Lamotrigine	4.225	910856	14056.96	87.0	30674.49	919499	1653.4404 ng/ml
Lorazepam	5.706	663359	15795.08	55.7	2359.54	195540	237.9108 ng/ml
Methadone	5.618	4020257	1911.00	51.2	30093.90	583545	248.7613 ng/ml
Methamphetamine	3.168	4355014	69502.03	36.5	1300.05	613757	260.3965 ng/ml
Metoprolol	4.272	522198	779122.80	102.6	4063.69	883387	252.4926 ng/ml
Mirtazapine	4.600	3963995	4532.48	52.6	1048.46	437121	255.4851 ng/ml
Norbuprenorphine	4.944	11840	5234.44	96.8	22934.54	21436	24.4520 ng/ml
Nordiazepam	5.853	975212	1850.83	56.6	22258.97	117929	250.1625 ng/ml
Norfentanyl	4.028	392576	3008.93	37.3	928.94	579807	25.1085 ng/ml
Norhydrocodone	3.009	224310	222.75	40.6	309.96	58731	264.9835 ng/ml
Trazodone	5.136	3881736	118978.53	65.4	128427.50	535364	250.5968 ng/ml

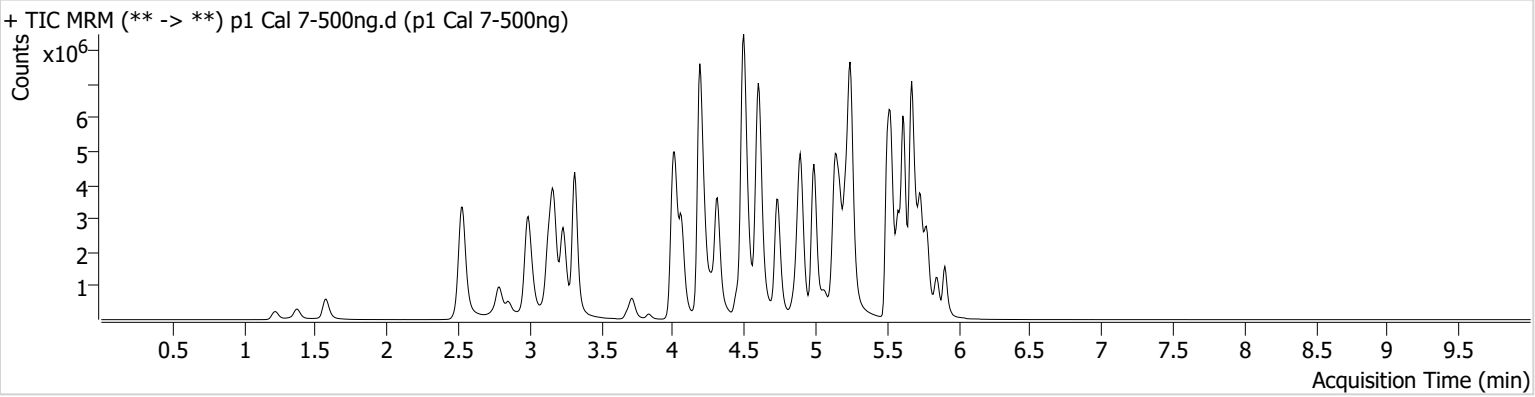
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 7-500ng.d
Type	Cal	**Sample**	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P6-B12	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	7/23/2024 1:41:53 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.217	266031	2298.04	82.1	538.17	36730	340.9074 ng/ml
Alprazolam	5.728	2070358	1211.43	103.3	2601.72	156042	506.5023 ng/ml
Amphetamine	2.992	6469786	84584.50	47.8	198.02	252872	361.1334 ng/ml
Benzoylecgonine	3.835	176736	514.27	37.7	1179.85	11950	496.1492 ng/ml
Bromazolam	5.766	1181007	77077.79	119.1	50953.11	65032	481.6850 ng/ml
Buprenorphine	5.840	149132	151083.53	14.8	15802.08	113012	50.3784 ng/ml
Bupropion	4.738	6127591	273662.53	61.9	80103.59	397768	501.3423 ng/ml
Citalopram	5.173	4381896	2967.55	35.9	1903.66	370598	514.8958 ng/ml
Clonazepam	5.563	1628916	17880.80	36.2	121132.24	52969	469.9054 ng/ml
Cyclobenzaprine	5.586	4489344	206233.61	7.8	712.42	276771	524.3101 ng/ml
Diazepam	5.906	1719599	665.47	92.2	1455.19	135055	505.1475 ng/ml
Diphenhydramine	5.244	12724842	1565.90	30.1	1147.23	1214549	523.9615 ng/ml
Duloxetine	5.606	393721	2519.43	13.5	2336.17	39906	503.1360 ng/ml
EDDP	5.215	3057350	1203.98	41.7	1873.96	263436	510.6400 ng/ml
Fentanyl	5.062	556355	6329.96	80.2	308799.75	586925	50.8560 ng/ml
Fluoxetine	5.666	3957290	48665.51	7.7	223289.51	286248	494.9742 ng/ml
Hydrocodone	2.975	1780454	691.12	40.2	650.42	179327	481.6048 ng/ml
Hydroxyzine	5.670	5210855	38407.07	75.6	79372.04	216092	515.6574 ng/ml
Ketamine	3.994	2997755	3284.24	35.8	1225.76	293379	447.9555 ng/ml
Lamotrigine	4.225	1174271	1239.73	88.6	15016.98	801299	2453.1428 ng/ml
Lorazepam	5.699	729088	968.07	54.2	7762.34	115047	445.8314 ng/ml
Methadone	5.618	7917104	123770.72	50.2	3742.70	543262	525.9295 ng/ml
Methamphetamine	3.168	8199842	42142.81	36.0	26201.11	624881	488.5159 ng/ml
Metoprolol	4.272	879969	33092.95	102.9	17188.57	841659	446.9488 ng/ml
Mirtazapine	4.593	7484484	1734.46	51.5	1998.49	424789	496.6413 ng/ml
Norbuprenorphine	4.944	24313	8011.09	95.9	18206.76	22344	48.3712 ng/ml
Nordiazepam	5.853	1507056	1484.10	57.1	15691.03	90387	504.5737 ng/ml
Norfentanyl	4.028	598198	15198.10	38.2	5150.37	424782	52.1657 ng/ml
Norhydrocodone	3.009	445737	2109.78	39.2	167.15	53903	572.8457 ng/ml
Trazodone	5.136	7260458	273950.39	69.3	120764.44	574720	437.0272 ng/ml

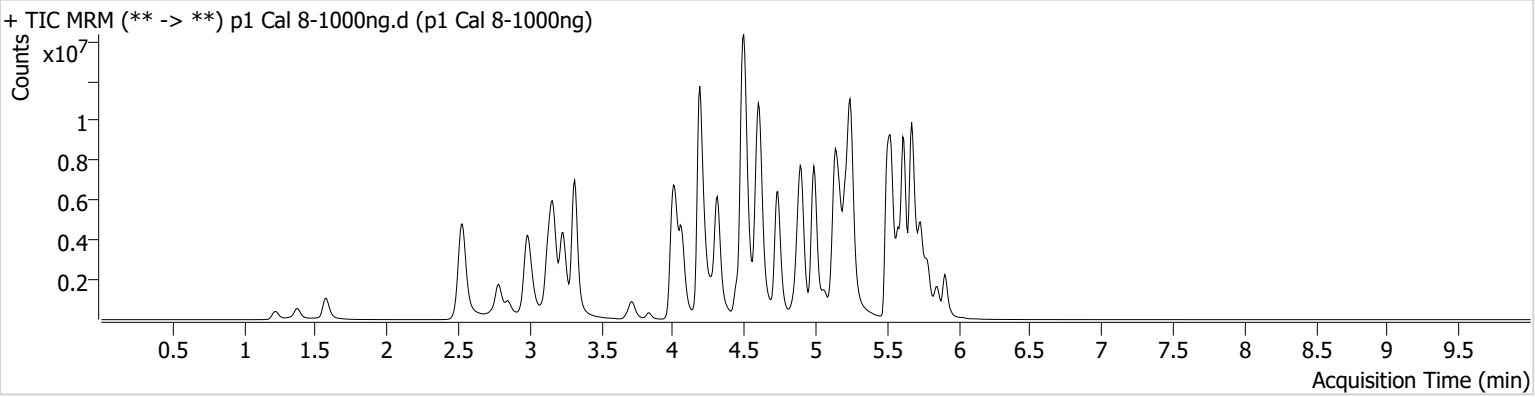
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\072224 AM 27 28 TS\QuantResults\AM 28_Case Samples.batch.bin
Calibration Last Update 7/26/2024 11:02:05 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 8-1000ng.d
Type	Cal	**Sample**	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P6-A12	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included 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	7/23/2024 1:52:31 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.230	286400	2401.76	77.4	∞	17995	750.4246 ng/ml
Alprazolam	5.728	2977893	773.75	102.4	1410.96	111552	1018.8624 ng/ml
Amphetamine	2.992	9150976	72525.93	47.4	52476.17	235117	550.0628 ng/ml
Benzoylecgonine	3.835	387600	1404.91	36.4	1787.33	12804	1016.3892 ng/ml
Bromazolam	5.766	1539989	83495.56	119.0	253209.62	43014	950.0966 ng/ml
Buprenorphine	5.840	295889	7531.73	14.4	31683.59	118135	95.6222 ng/ml
Bupropion	4.738	11569383	41208.13	61.3	128017.54	367067	1025.7078 ng/ml
Citalopram	5.166	6794916	5540.63	36.2	876.08	273753	1080.5848 ng/ml
Clonazepam	5.563	1803182	31711.63	36.1	10239.05	34259	805.0457 ng/ml
Cyclobenzaprine	5.586	7029365	115170.02	7.4	39417.02	210892	1076.8001 ng/ml
Diazepam	5.906	2719379	254.42	92.6	6170.33	108390	995.2575 ng/ml
Diphenhydramine	5.251	19912249	∞	31.6	3814.67	936264	1063.2679 ng/ml
Duloxetine	5.606	461512	7857.90	13.5	690.13	23549	999.1026 ng/ml
EDDP	5.215	6334089	2363.20	40.9	1593.99	265108	1050.8913 ng/ml
Fentanyl	5.062	1139104	833.43	78.2	998.59	588179	103.9133 ng/ml
Fluoxetine	5.673	5225298	55831.40	7.7	19451.42	183966	1017.0722 ng/ml
Hydrocodone	2.968	3433854	350.29	37.2	592.86	174033	957.5555 ng/ml
Hydroxyzine	5.670	8547221	27419.94	76.9	27045.89	162794	1122.4732 ng/ml
Ketamine	3.994	4460235	204134.30	35.5	3635.06	258744	756.1809 ng/ml
Lamotrigine	4.232	1213915	34582.27	89.7	24527.87	633704	3211.1953 ng/ml
Lorazepam	5.706	745914	18149.01	52.4	166.22	57711	910.9509 ng/ml
Methadone	5.618	13337811	3214.92	51.3	3603.38	452944	1062.4422 ng/ml
Methamphetamine	3.161	13862175	89062.23	35.5	57603.53	605198	858.8234 ng/ml
Metoprolol	4.272	1325000	216891.89	104.7	156166.58	762876	742.8066 ng/ml
Mirtazapine	4.593	12593484	291524.86	50.3	158647.90	381242	931.3388 ng/ml
Norbuprenorphine	4.944	46971	137129.75	92.2	1218.87	20270	103.2456 ng/ml
Nordiazepam	5.853	1929942	18115.81	59.3	817.04	61321	952.5937 ng/ml
Norfentanyl	4.035	749964	27652.57	38.3	12584.89	261163	106.3190 ng/ml
Norhydrocodone	3.009	768977	∞	40.7	999.62	42411	1255.1335 ng/ml
Trazodone	5.136	12316944	193529.05	70.6	291.11	574159	742.4939 ng/ml