REVIEWED
By Anne Nord at 11:31 am, Jan 29, 2024

TS 1/25/2024

Worklist: 6663

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2023-4964	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
M2023-5459	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
M2023-5482	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
M2024-0083	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
M2024-0106	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
M2024-0107	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
M2024-0108	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-3663	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-3826	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-3834	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-3838	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-3839	1	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-3880	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2023-3958	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0026	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0040	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0041	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0048	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0050	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0051	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0052	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ

Worklist: 6663

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LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2024-0053	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ

TS

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

Extraction Date: 01/23/2024
Plate lot#: 231215
Mobile phase A: 5mM Amm Form + 0.01% FA
Blank Blood Lot: Lampire 23E52981
Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

Analyst: Tamara Salazar
Plate Retest Date: 06/15/2024
Mobile phase B: 0.01% Formic Acid in MeOH
Blank Urine Lot:
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 in central data: 7-aminoclonazepam, 9-hydroxyrisperidone, amphetamine, buprenorphine, bupropion, citalopram, clonazepam, diphenhydramine, fentanyl, fluorofentanyl, fluoxetine, hydroxyzine, ketamine, lorazepam, methamphetamine, metoprolol, mitragynine, norbuprenorphine, norfentanyl, noroxycodone, oxycodone, trazodone

TS

Curves Limited:
Amphetamine 5-500 -- calibrator 8 dropped due to accuracy
Clonazepam 5-500 -- calibrator 8 dropped due to accuracy
Ketamine 5-500 -- calibrator 8 dropped due to accuracy
Metoprolol 5-500 -- calibrator 8 dropped due to accuracy
Norbuprenorphine 2.5 -100 -- calibrator 1 and 2 dropped due to peak shape and ratio
Norfentanyl 0.5-50 -- calibrator 8 dropped due to accuracy
Trazodone 5-500 -- calibrator 8 dropped due to accuracy
Diphenhydramine qualitative 5ng/mL - 10ng/mL

Lamotrigine concentration listed on the printouts is incorrect and should be 10-fold less.

03/05/2024 TS

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1							P2024-0050-1	P2023-3838-1	M2023-5459-1	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2							P2024-0048-4	P2023-3834-1	M2023-4964-2	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3							P2024-0041-1	P2023-3826-1	Neg Blood	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4							P2024-0040-1	M2024-0108-1	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2						P2023-3663-1	P2024-0026-1	M2024-0107-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6							P2024-0053-1	P2023-3958-2	M2024-0106-3	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7							P2024-0052-1	P2023-3880-1	M2024-0083-1	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8							P2024-0051-1	P2023-3839-1	M2023-5482-1	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

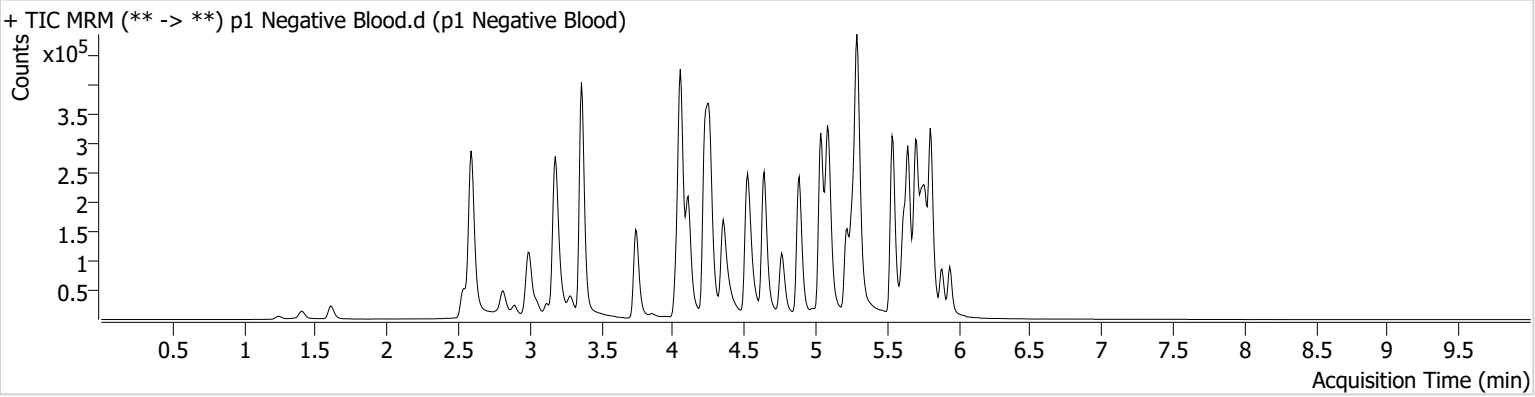
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 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	P2-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	1/24/2024 3:31:18 PM		
Sample Info.			

Sample Chromatogram



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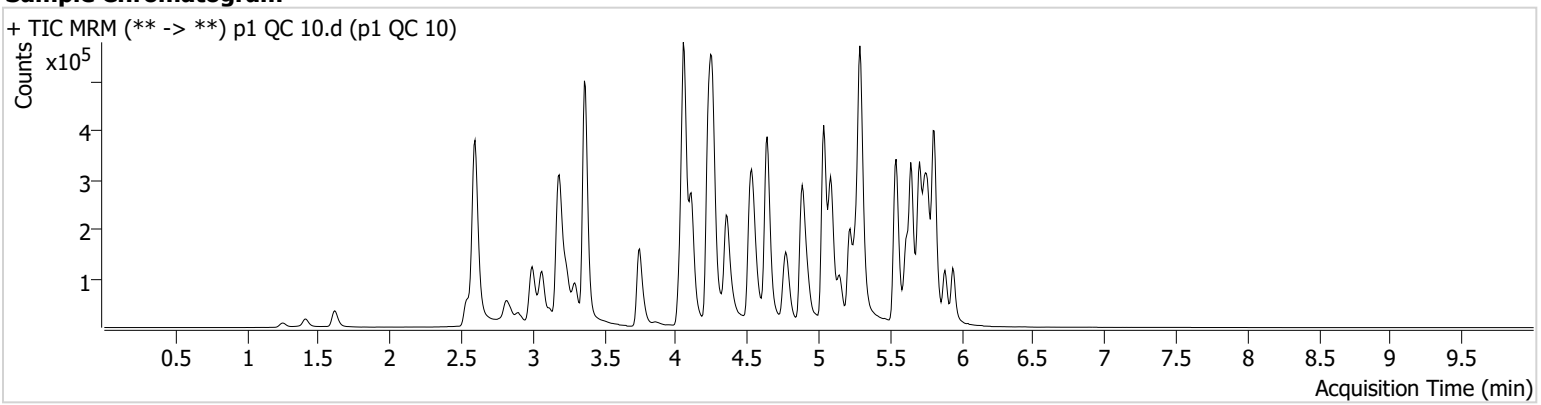
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-H11
Injection Volume 2
Acq. Date-Time 1/24/2024 2:27:26 PM
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	4.264	33204	2138.79	70.3	2388.20	164567	10.3793 ng/ml
9-hydroxyrisperidone	4.644	4591	521.35	3554.5	370.76	707096	8.9835 ng/ml
Amphetamine	3.067	174745	2122.85	43.2	660.75	234787	10.2438 ng/ml
Buprenorphine	5.813	2383	616.54	16.1	289.84	94491	0.9263 ng/ml
Bupropion	4.785	97661	358.72	66.3	1716.07	294074	9.1223 ng/ml
Citalopram	5.220	76367	484.86	28.8	1956.93	374231	9.3136 ng/ml
Clonazepam	5.611	45086	1453.89	36.4	13954.94	74626	9.4539 ng/ml
Diphenhydramine	5.298	169922	107.96	29.2	34.44	1072137	7.8682 ng/ml
Fentanyl	5.096	6572	3521.10	66.5	4696.18	368281	1.0521 ng/ml
Fluorofentanyl	5.151	14677	72.07	45.5	736.34	2779	0.9372 ng/ml
Fluoxetine	5.700	55185	798.56	7.3	5268.09	207391	9.8510 ng/ml
Hydroxyzine	5.697	74294	836.08	71.1	39146.84	223538	9.6564 ng/ml
Ketamine	4.048	69512	1804.09	31.4	154.28	295696	9.6305 ng/ml
Lorazepam	5.740	43656	167.11	58.4	36.39	323512	10.6353 ng/ml
Methamphetamine	3.243	161286	1362.26	36.9	549.06	590403	9.7687 ng/ml
Metoprolol	4.320	21378	395.65	103.7	489.05	841029	9.6819 ng/ml
Mitragynine	5.232	25909	26861.27	30.7	9437.35	462210	9.7330 ng/ml
Norbuprenorphine	4.992	363	68.12	89.4	205.17	18913	0.9925 ng/ml
Norfentanyl	4.076	16477	41.62	33.0	100.57	806769	0.9319 ng/ml
Noroxycodone	2.920	16425	96.47	53.9	1186.21	55469	10.6566 ng/ml
Oxycodone	2.845	38230	354.44	33.0	686.18	165464	9.3028 ng/ml
Trazodone	5.143	117558	754.17	58.1	857.51	356901	9.9249 ng/ml

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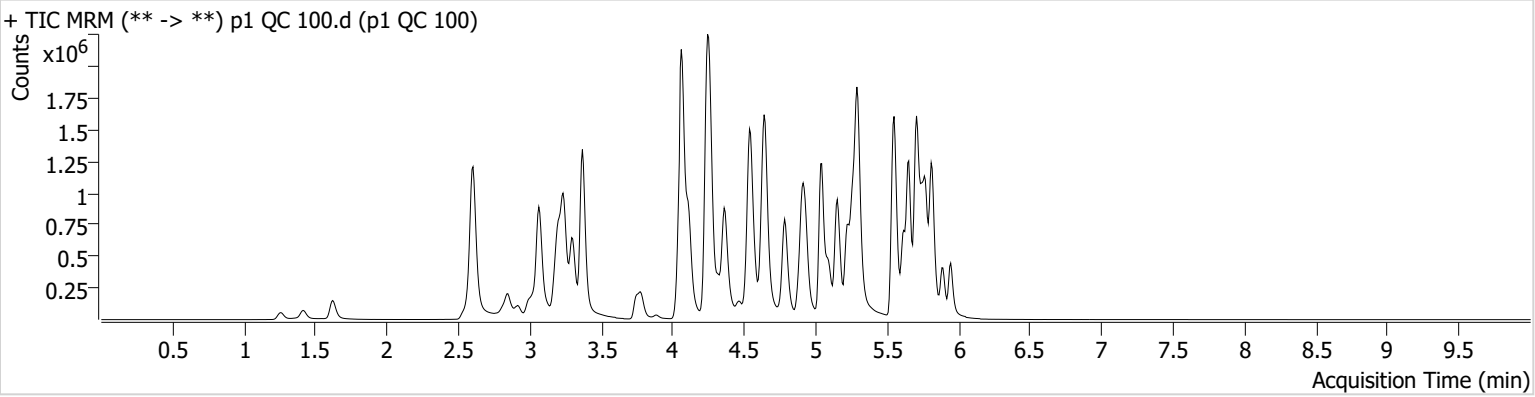
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 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	P2-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	1/24/2024 11:40:22 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.264	312314	8650.07	68.6	4535.86	156755	103.6295 ng/ml
9-hydroxyrisperidone	4.644	55126	51816.68	3457.1	8547.23	788786	96.4132 ng/ml
Amphetamine	3.067	1757757	19672.16	43.7	741.73	257982	99.3070 ng/ml
Buprenorphine	5.820	26549	26772.54	16.2	9755.40	112015	9.6733 ng/ml
Bupropion	4.785	1132254	29458.71	69.3	52891.67	328024	92.5157 ng/ml
Citalopram	5.220	885023	566.59	29.3	355.77	424783	87.9929 ng/ml
Clonazepam	5.611	433876	7457.68	32.4	139572.78	69028	103.4163 ng/ml
Diphenhydramine	5.298	2068753	141139.72	29.7	15589.06	1182562	80.3583 ng/ml
Fentanyl	5.096	77753	105811.83	70.0	41734.60	454415	9.4181 ng/ml
Fluorofentanyl	5.158	196370	8620.36	42.1	45082.44	3787	9.0598 ng/ml
Fluoxetine	5.707	763226	14793.23	7.0	39355.41	290391	93.1227 ng/ml
Hydroxyzine	5.704	847236	65825.67	77.4	1134193.46	264584	88.5423 ng/ml
Ketamine	4.048	764643	19243.31	32.2	327.60	332341	97.5238 ng/ml
Lorazepam	5.740	305950	4044.15	56.2	676.57	260730	100.0464 ng/ml
Methamphetamine	3.243	1854675	12458.82	36.4	1639.74	676138	109.5552 ng/ml
Metoprolol	4.320	233630	1658.42	111.3	5434.00	960377	94.0066 ng/ml
Mitragynine	5.232	312448	253065.50	33.9	735.95	519280	100.3620 ng/ml
Norbuprenorphine	4.992	3448	4431.33	108.3	3952.19	22295	8.0793 ng/ml
Norfentanyl	4.083	179557	167.17	37.7	976.99	822610	9.5778 ng/ml
Noroxycodone	2.920	182170	1003.57	52.6	891.41	60701	104.5498 ng/ml
Oxycodone	2.845	461468	11983.30	32.0	1783.92	195479	96.1666 ng/ml
Trazodone	5.150	1391195	1578163.76	62.1	2002.46	428044	99.4384 ng/ml

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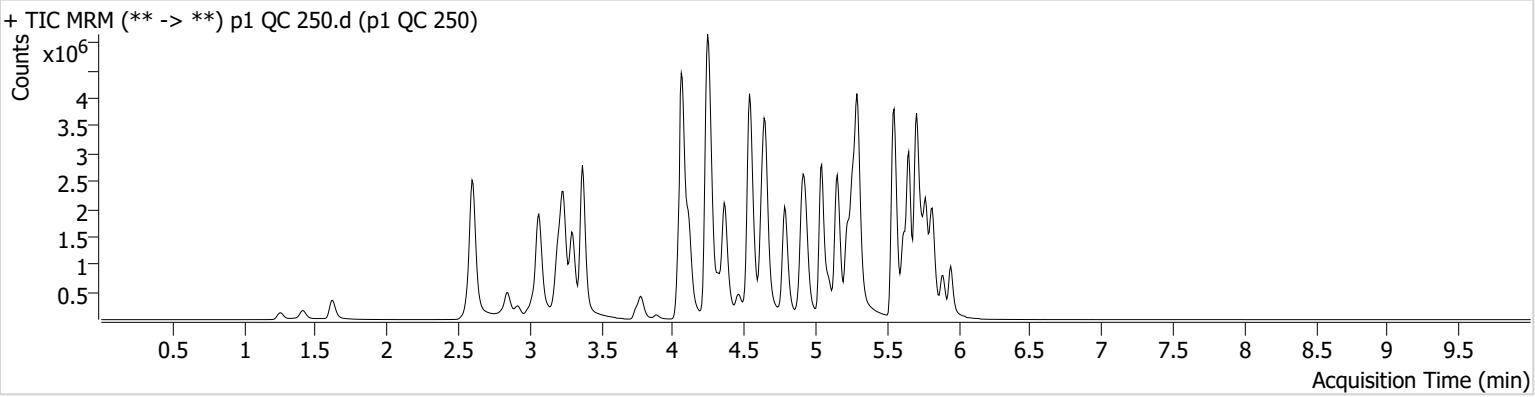
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F11
Injection Volume 2
Acq. Date-Time 1/24/2024 2:48:43 PM
Sample Info.

Data File p1 QC 250.d
Sample p1 QC 250
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	4.264	659227	48540.14	69.8	6518.63	130367	263.2108 ng/ml
9-hydroxyrisperidone	4.644	145279	126969.28	3618.9	13601.02	826156	242.5498 ng/ml
Amphetamine	3.067	4128217	578.20	42.2	3494.31	269572	224.0481 ng/ml
Buprenorphine	5.820	71640	56452.34	16.0	4012.45	121713	24.1941 ng/ml
Bupropion	4.785	3128075	127854.44	69.8	5456.70	365995	228.7151 ng/ml
Citalopram	5.220	2387512	2603.80	28.9	470748.74	423898	236.5597 ng/ml
Clonazepam	5.611	837451	49927.18	33.3	346.27	57077	242.1234 ng/ml
Diphenhydramine	5.298	5617007	1388280.73	29.8	301.13	1232544	208.3006 ng/ml
Fentanyl	5.104	239749	146888.52	69.3	226010.57	529343	24.8013 ng/ml
Fluorofentanyl	5.158	585618	8720.54	41.8	200646.25	4115	24.8385 ng/ml
Fluoxetine	5.707	2141353	94421.47	7.1	121281.66	331510	228.1772 ng/ml
Hydroxyzine	5.704	2360374	53271.30	81.2	1241929.68	282463	230.2253 ng/ml
Ketamine	4.048	1897694	298.51	31.9	23419.31	353331	228.1526 ng/ml
Lorazepam	5.740	449515	8586.30	56.7	249.60	173044	222.6702 ng/ml
Methamphetamine	3.236	4535009	48144.64	36.7	619.89	743691	245.1003 ng/ml
Metoprolol	4.320	602979	468910.33	107.7	12550.86	957724	243.5443 ng/ml
Mitragynine	5.232	858904	858.08	33.4	187425.34	571639	249.9878 ng/ml
Norbuprenorphine	4.992	10357	12859.92	108.6	7429.75	24769	21.8623 ng/ml
Norfentanyl	4.083	406328	105.50	38.0	697.28	712239	24.9692 ng/ml
Noroxycodone	2.914	455749	7902.82	52.9	469.17	61070	259.4174 ng/ml
Oxycodone	2.845	1240048	1465.37	32.1	3121.76	208733	242.1922 ng/ml
Trazodone	5.150	3793672	120570.61	65.9	110022.20	513030	226.4580 ng/ml

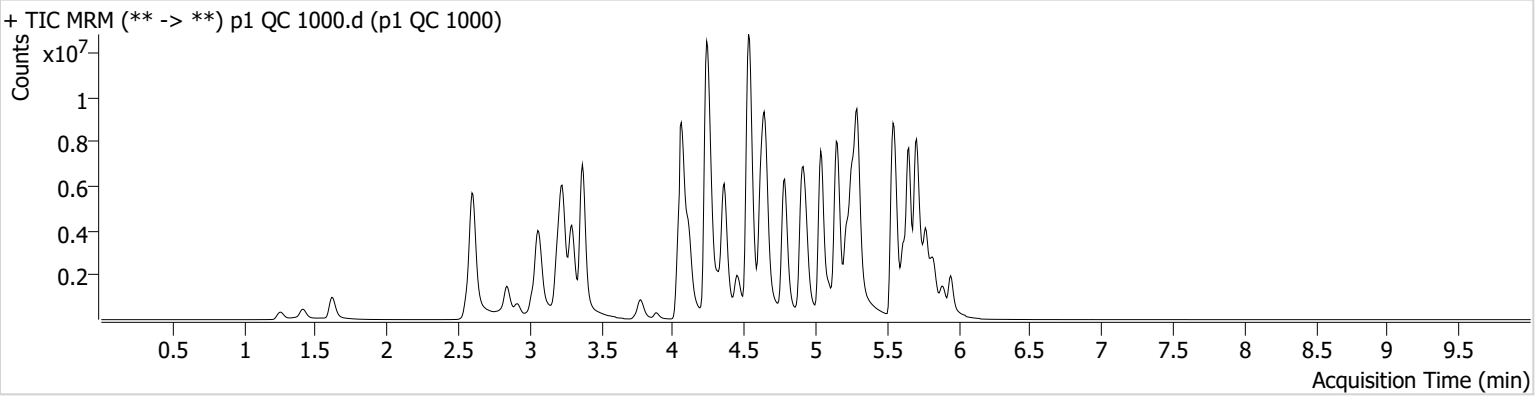
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 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	P2-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	1/24/2024 3:10:01 PM		
Sample Info.			

Sample Chromatogram

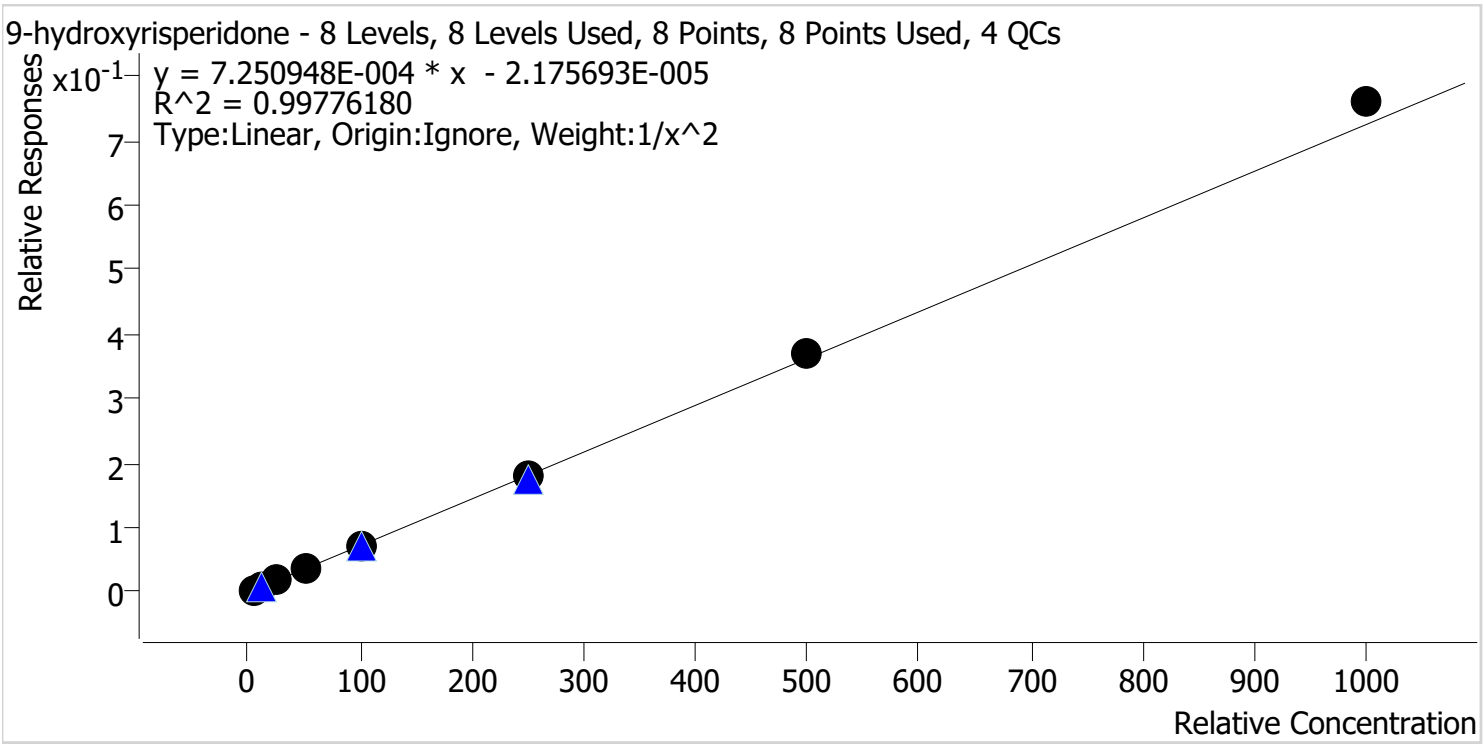


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.264	925704	20290.70	68.2	12518.11	48424	995.4209 ng/ml
9-hydroxyrisperidone	4.644	439563	6223.00	3834.5	23088.14	594492	1019.7481 ng/ml
Amphetamine	3.060	9580656	49251.36	41.6	59010.31	209563	670.2024 ng/ml
Buprenorphine	5.820	194346	158370.31	14.8	18193.52	89159	89.9115 ng/ml
Bupropion	4.785	10774906	153471.59	68.1	109472.04	319923	900.5629 ng/ml
Citalopram	5.214	6139177	235507.59	28.9	1613701.25	265807	967.6741 ng/ml
Clonazepam	5.604	1132904	2083.29	32.5	4848.90	26903	695.9255 ng/ml
Diphenhydramine	5.298	16109925	153367.62	30.0	38066.40	852528	861.6859 ng/ml
Fentanyl	5.096	949682	1225.78	68.5	589477.30	513658	101.0007 ng/ml
Fluorofentanyl	5.158	1877309	30348.15	43.5	16016.58	3389	96.6336 ng/ml
Fluoxetine	5.707	4850780	78734.19	7.2	4198.78	185330	923.1471 ng/ml
Hydroxyzine	5.697	6849030	332121.45	83.4	1405.85	162275	1160.7061 ng/ml
Ketamine	4.041	4811328	3303.53	29.5	8444.29	269706	758.6645 ng/ml
Lorazepam	5.740	538330	16459.53	56.6	2332.33	48777	949.2262 ng/ml
Methamphetamine	3.229	13537119	72260.69	34.5	219318.26	672745	811.7027 ng/ml
Metoprolol	4.320	1518379	585788.15	110.7	5018.59	773526	759.6465 ng/ml
Mitragynine	5.225	2350434	1151.14	34.2	1239796.01	417065	936.4862 ng/ml
Norbuprenorphine	4.992	37224	70840.56	102.0	139691.17	20442	95.2444 ng/ml
Norfentanyl	4.083	753382	180.93	39.6	9513.86	247899	132.8424 ng/ml
Noroxycodone	2.914	1346700	1253.80	53.7	360.50	48717	959.8951 ng/ml
Oxycodone	2.838	4230128	3592.74	32.0	3976.98	184795	933.5477 ng/ml
Trazodone	5.143	11857717	322090.90	72.2	3404.12	476805	762.0074 ng/ml

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 AM
Analyst Name	ISP\datastor
Analyte	9-hydroxyrisperidone
Internal Standard	9-hydroxyrisperidone-D4

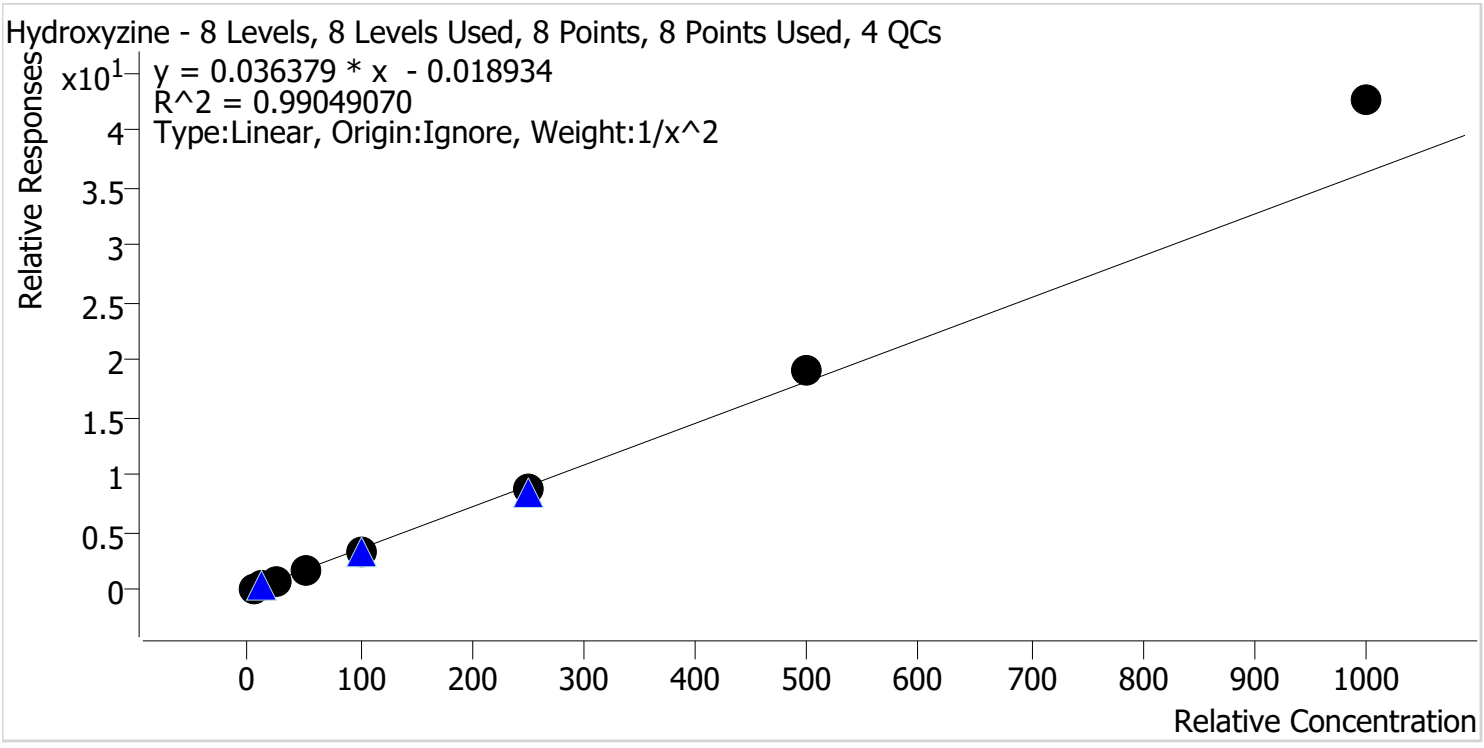


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.2	104.4
p1 Cal 2-10ng	2	✔	10.0	9.2	92.0
p1 Cal 3 -25ng	3	✔	25.0	24.6	98.4
p1 Cal 4-50ng	4	✔	50.0	49.3	98.6
p1 Cal 5-100ng	5	✔	100.0	100.8	100.8
p1 Cal 6-250ng	6	✔	250.0	246.5	98.6
p1 Cal 7-500ng	7	✔	500.0	511.8	102.4
p1 Cal 8-1000ng	8	✔	1000.0	1048.3	104.8

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 AM
Analyst Name	ISP\datastor
Analyte	Hydroxyzine
Internal Standard	Dextromethorphan-D3

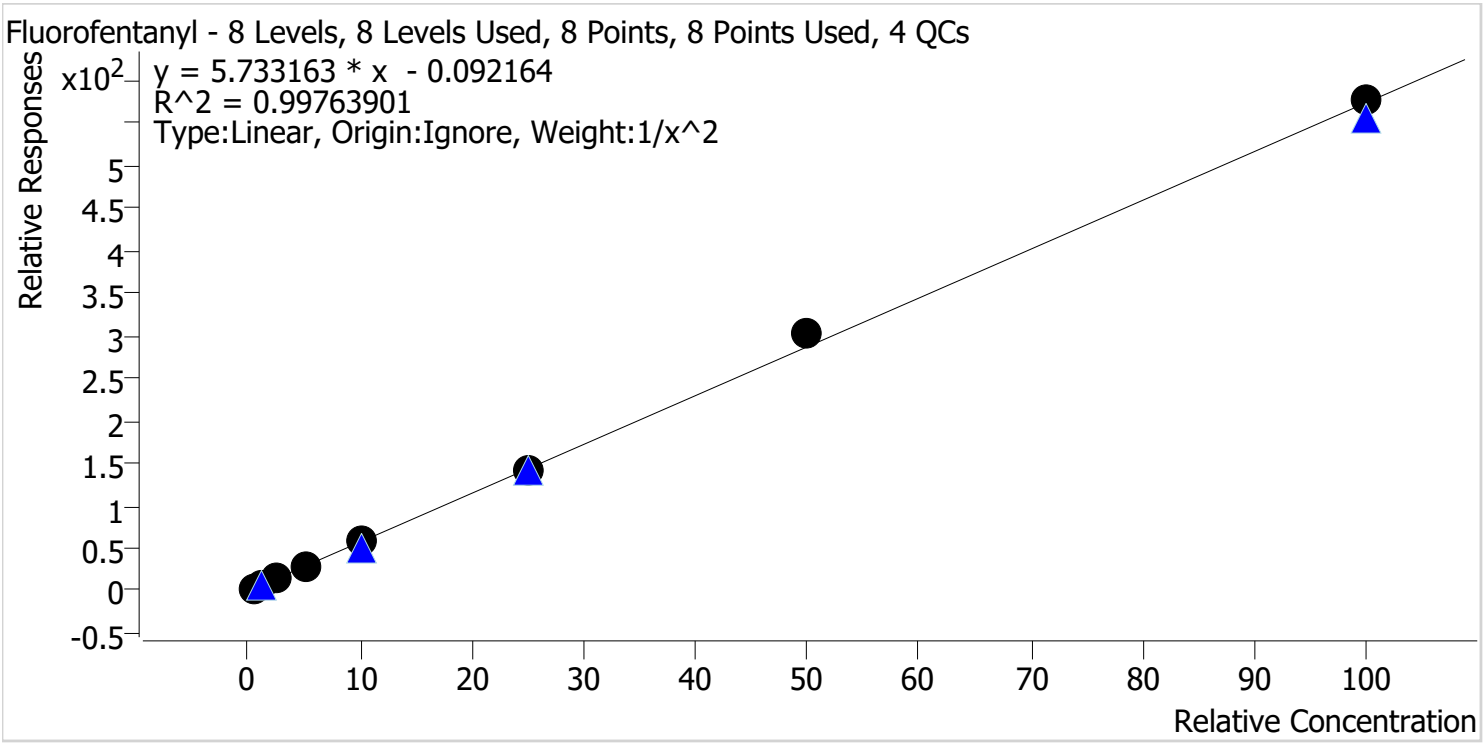


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.3	105.2
p1 Cal 2-10ng	2	✔	10.0	9.3	92.9
p1 Cal 3 -25ng	3	✔	25.0	24.0	96.1
p1 Cal 4-50ng	4	✔	50.0	46.6	93.1
p1 Cal 5-100ng	5	✔	100.0	93.7	93.7
p1 Cal 6-250ng	6	✔	250.0	242.5	97.0
p1 Cal 7-500ng	7	✔	500.0	523.3	104.7
p1 Cal 8-1000ng	8	✔	1000.0	1172.2	117.2

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 AM
Analyst Name	ISP\datastor
Analyte	Fluorofentanyl
Internal Standard	Fluorofentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.5	100.9
p1 Cal 2-10ng	2	✔	1.0	1.0	97.7
p1 Cal 3 -25ng	3	✔	2.5	2.6	105.0
p1 Cal 4-50ng	4	✔	5.0	4.6	92.2
p1 Cal 5-100ng	5	✔	10.0	10.1	100.5
p1 Cal 6-250ng	6	✔	25.0	24.5	97.9
p1 Cal 7-500ng	7	✔	50.0	52.7	105.3
p1 Cal 8-1000ng	8	✔	100.0	100.5	100.5

TS

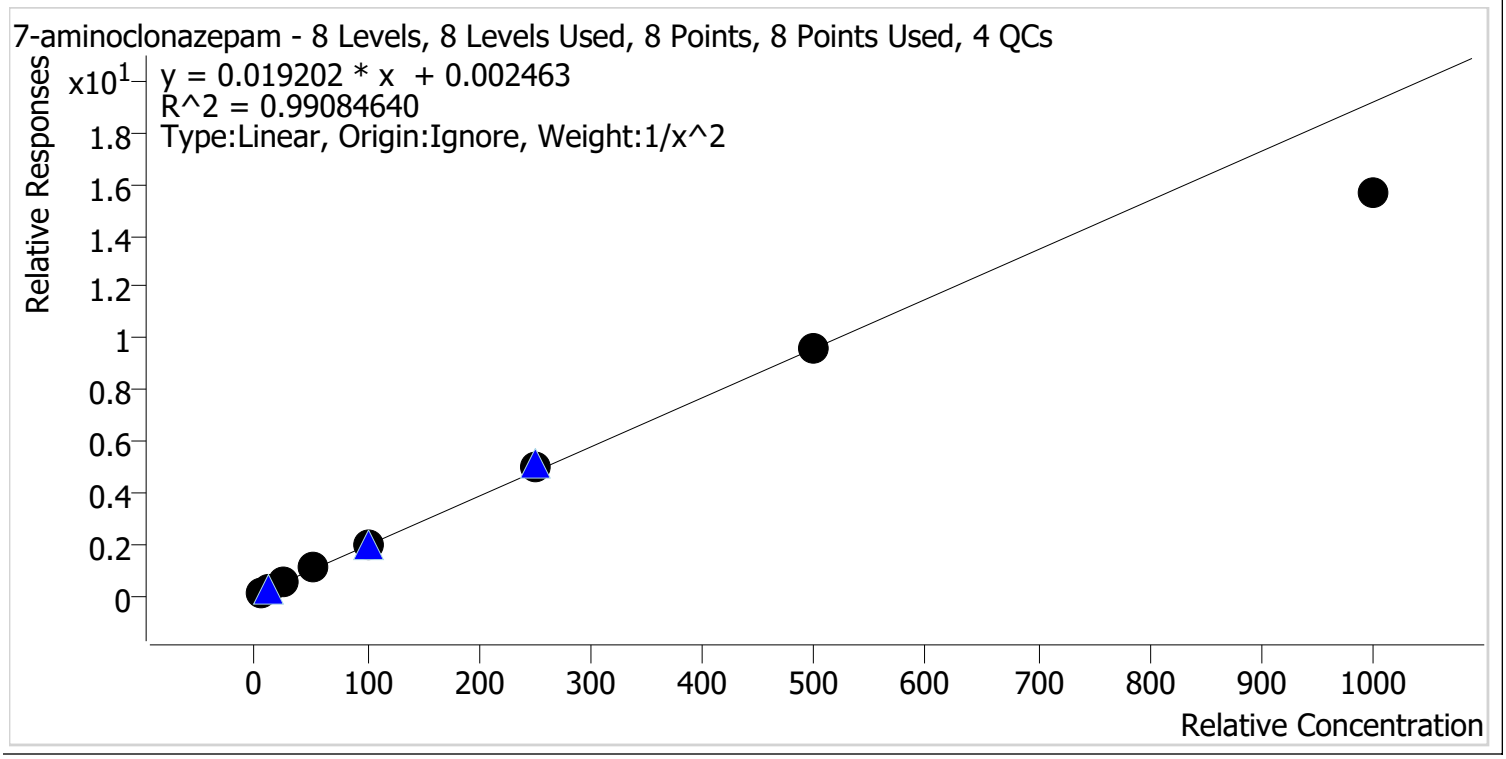
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin

Last Cal. Update 1/25/2024 9:24 AM

Analyst Name ISP\datastor

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

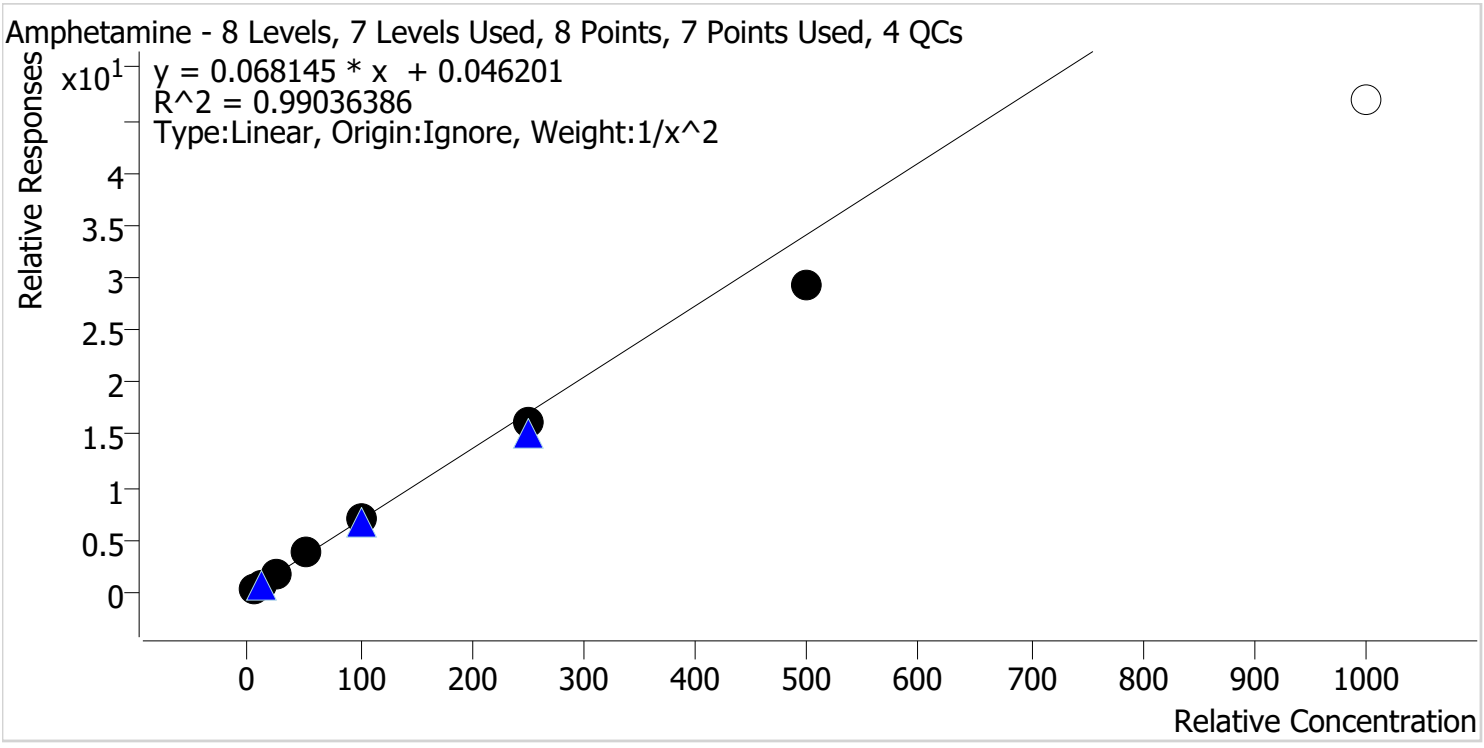


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	98.1
p1 Cal 2-10ng	2	✔	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✔	25.0	26.9	107.7
p1 Cal 4-50ng	4	✔	50.0	54.0	108.0
p1 Cal 5-100ng	5	✔	100.0	101.8	101.8
p1 Cal 6-250ng	6	✔	250.0	259.4	103.8
p1 Cal 7-500ng	7	✔	500.0	500.7	100.1
p1 Cal 8-1000ng	8	✔	1000.0	815.1	81.5

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 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	95.4
p1 Cal 2-10ng	2	✔	10.0	10.4	104.5
p1 Cal 3 -25ng	3	✔	25.0	27.1	108.3
p1 Cal 4-50ng	4	✔	50.0	53.7	107.4
p1 Cal 5-100ng	5	✔	100.0	103.7	103.7
p1 Cal 6-250ng	6	✔	250.0	238.4	95.4
p1 Cal 7-500ng	7	✔	500.0	426.5	85.3
p1 Cal 8-1000ng	8	✗	1000.0	687.3	68.7

TS

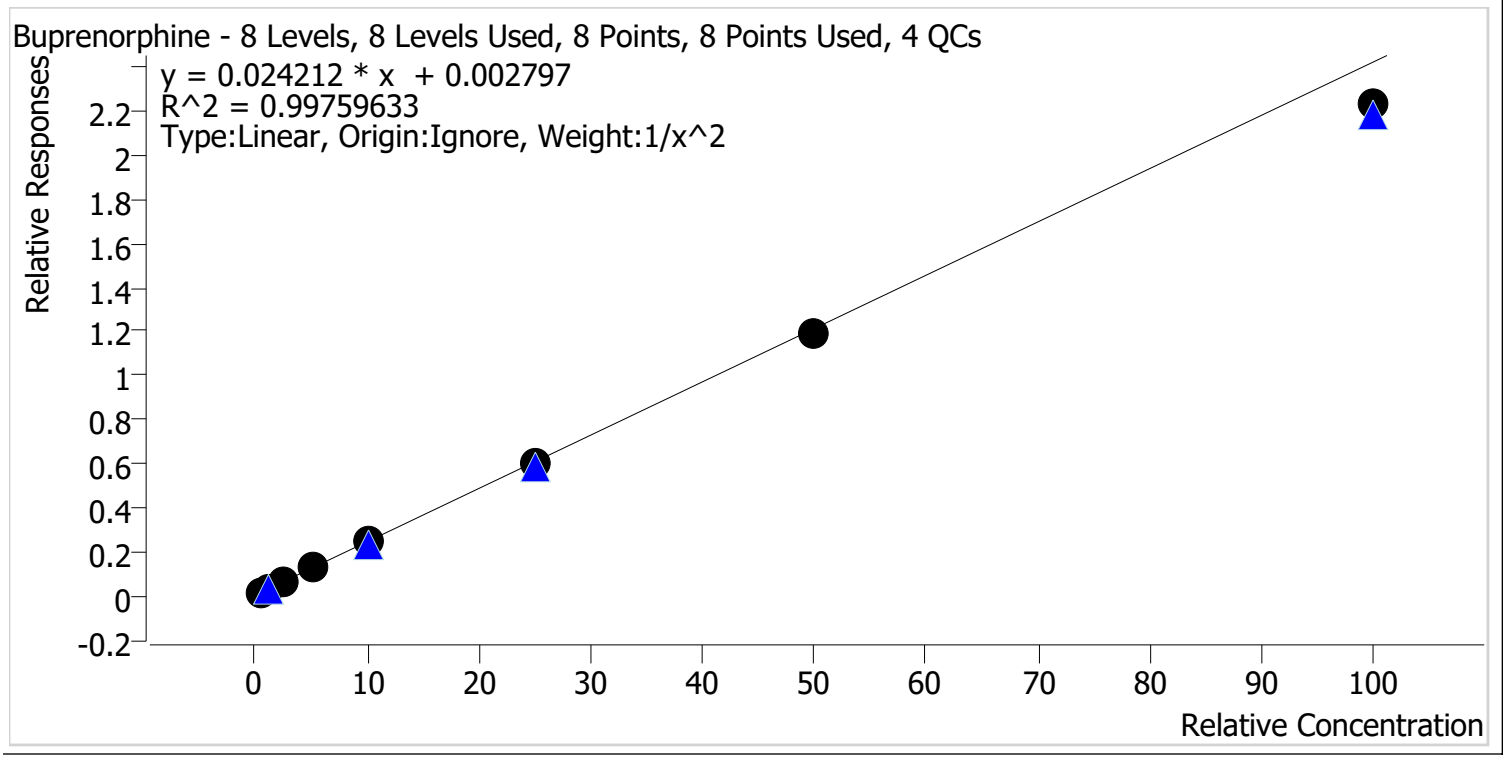
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin

Last Cal. Update 1/25/2024 9:24 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	97.9
p1 Cal 2-10ng	2	✔	1.0	1.0	101.0
p1 Cal 3 -25ng	3	✔	2.5	2.6	105.5
p1 Cal 4-50ng	4	✔	5.0	5.2	103.9
p1 Cal 5-100ng	5	✔	10.0	10.3	102.6
p1 Cal 6-250ng	6	✔	25.0	24.9	99.5
p1 Cal 7-500ng	7	✔	50.0	48.7	97.5
p1 Cal 8-1000ng	8	✔	100.0	92.1	92.1

TS

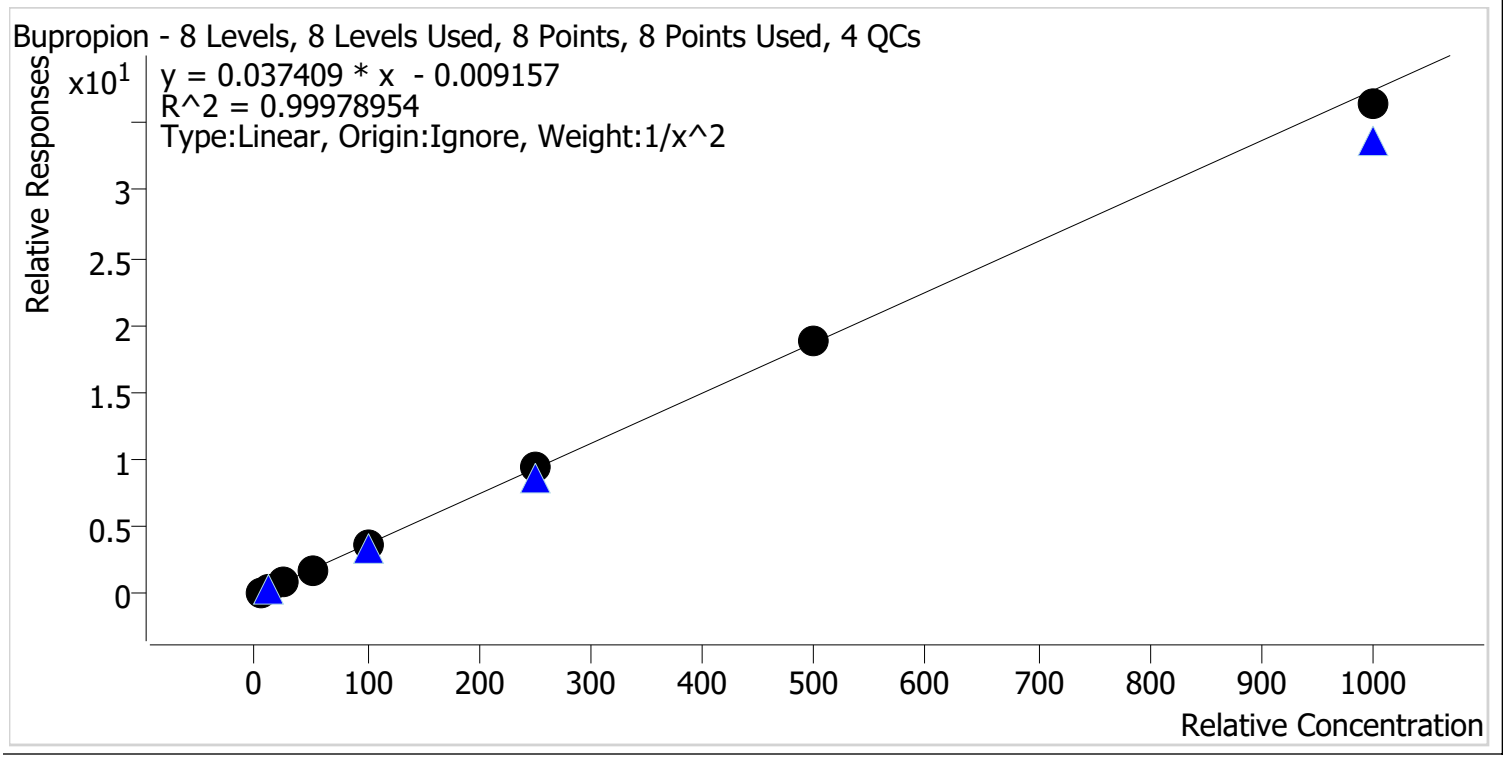
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin

Last Cal. Update 1/25/2024 9:24 AM

Analyst Name ISP\datastor

Analyte Bupropion **Internal Standard** Bupropion-D9

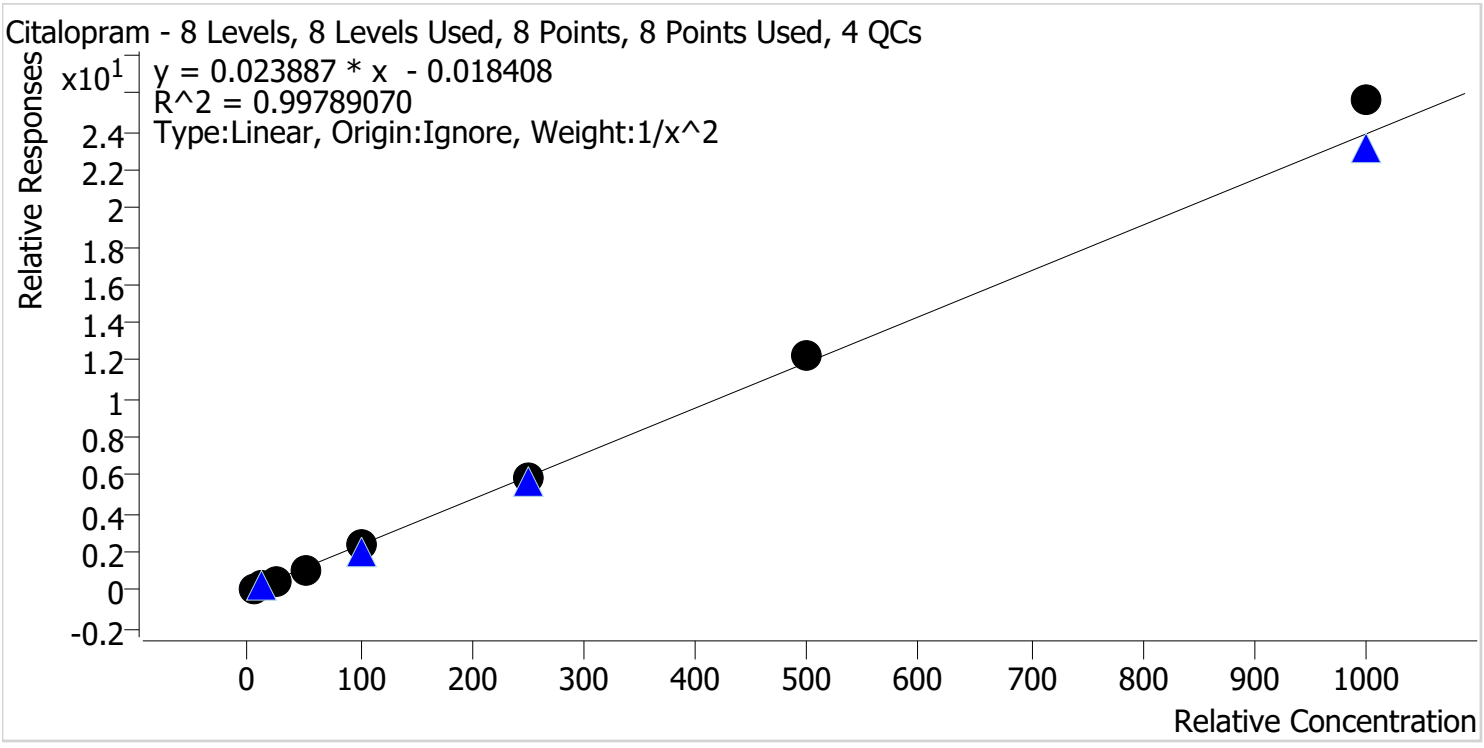


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.4
p1 Cal 2-10ng	2	✔	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✔	25.0	25.0	99.9
p1 Cal 4-50ng	4	✔	50.0	50.5	101.0
p1 Cal 5-100ng	5	✔	100.0	100.2	100.2
p1 Cal 6-250ng	6	✔	250.0	252.1	100.9
p1 Cal 7-500ng	7	✔	500.0	502.0	100.4
p1 Cal 8-1000ng	8	✔	1000.0	972.3	97.2

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 AM
Analyst Name	ISP\datastor
Analyte	Citalopram
Internal Standard	Citalopram-D6

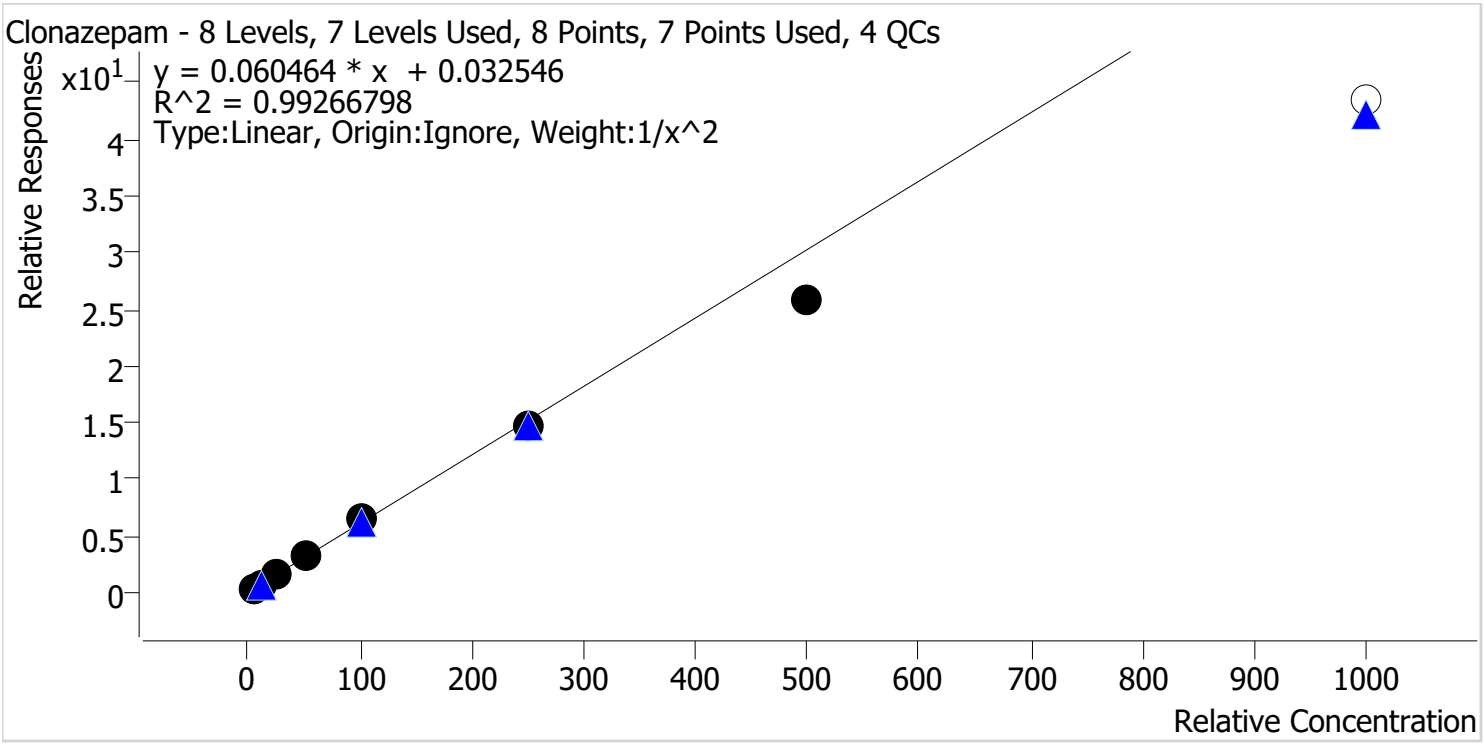


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	102.8
p1 Cal 2-10ng	2	✔	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✔	25.0	24.0	96.0
p1 Cal 4-50ng	4	✔	50.0	48.0	96.0
p1 Cal 5-100ng	5	✔	100.0	98.3	98.3
p1 Cal 6-250ng	6	✔	250.0	251.1	100.4
p1 Cal 7-500ng	7	✔	500.0	511.2	102.2
p1 Cal 8-1000ng	8	✔	1000.0	1073.6	107.4

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 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	4.9	97.6
p1 Cal 2-10ng	2	✔	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✔	25.0	26.4	105.6
p1 Cal 4-50ng	4	✔	50.0	53.5	106.9
p1 Cal 5-100ng	5	✔	100.0	105.0	105.0
p1 Cal 6-250ng	6	✔	250.0	245.0	98.0
p1 Cal 7-500ng	7	✔	500.0	429.1	85.8
p1 Cal 8-1000ng	8	✗	1000.0	718.1	71.8

TS

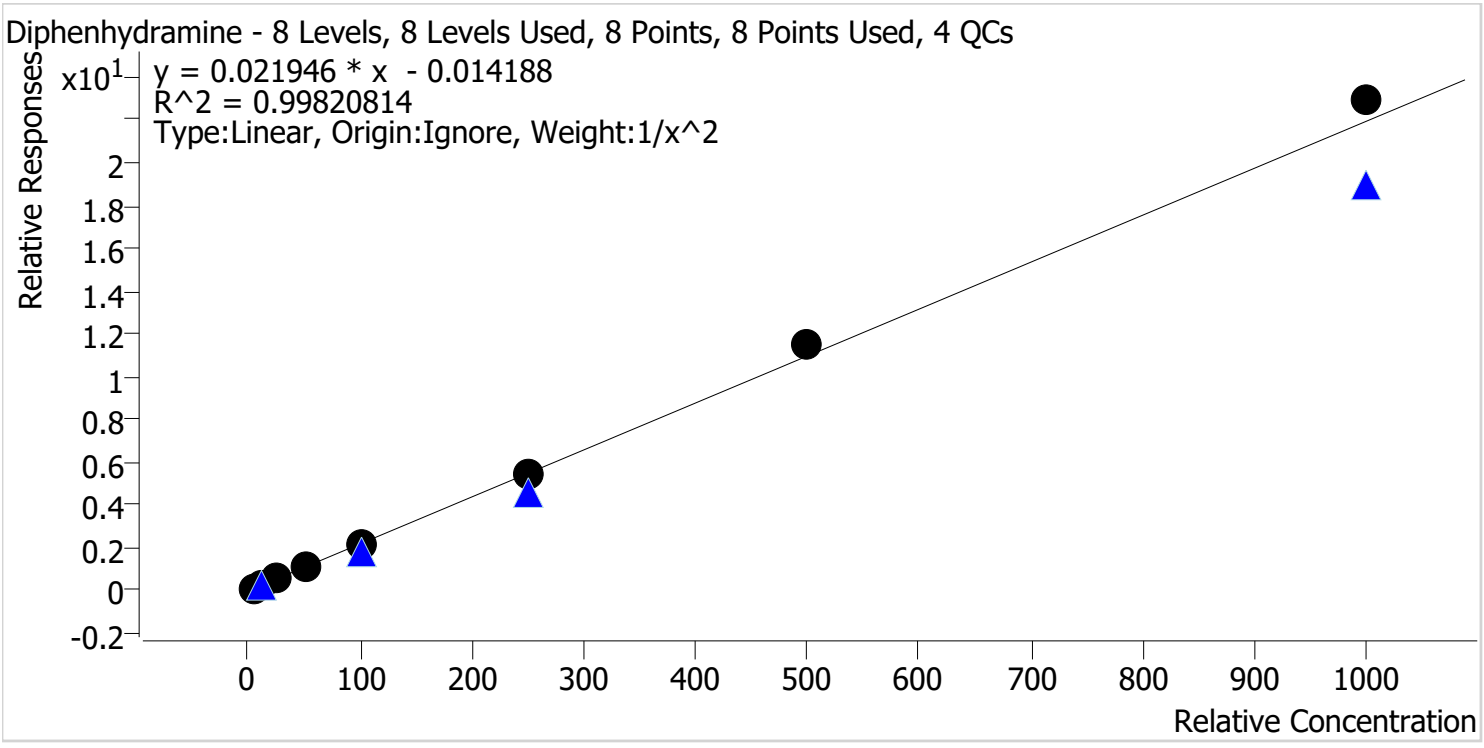
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin

Last Cal. Update 1/25/2024 9:24 AM

Analyst Name ISP\datastor

Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

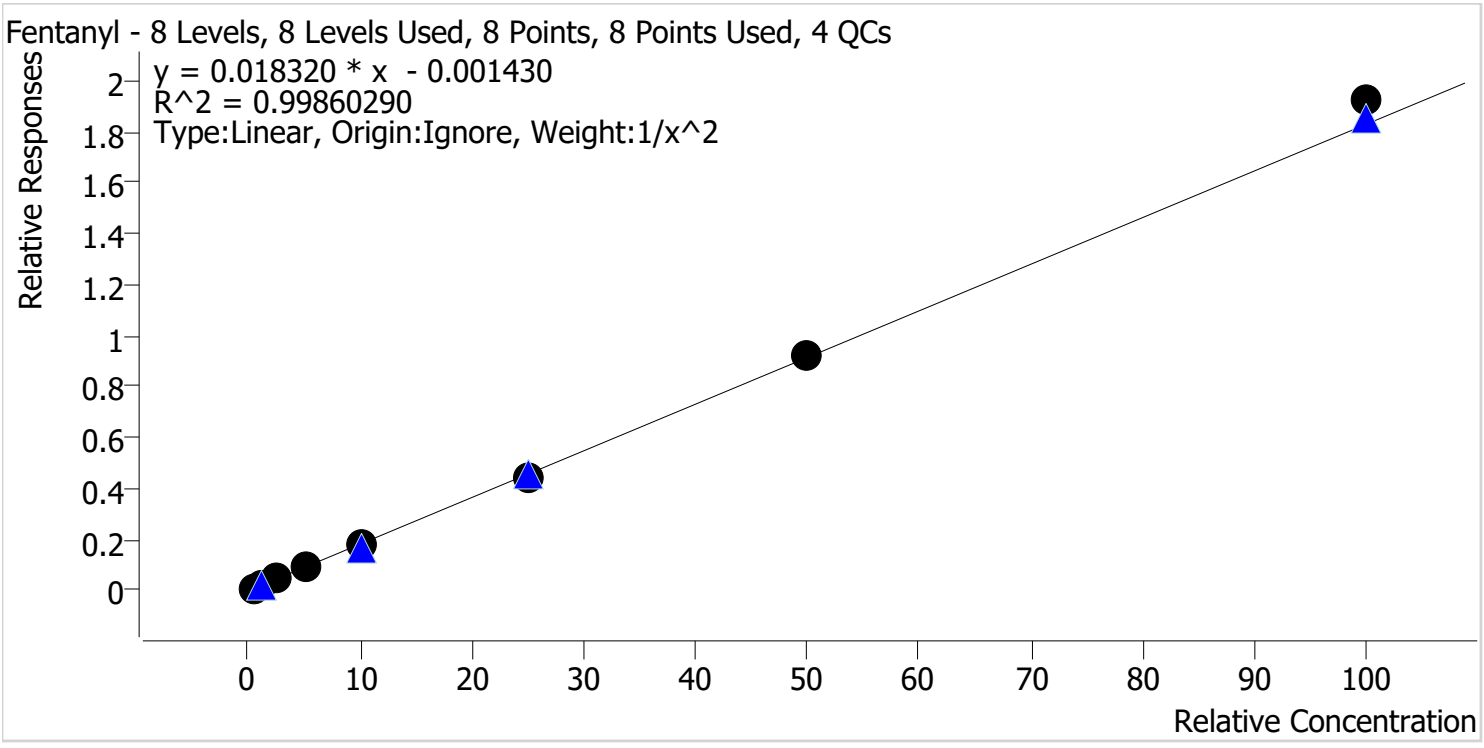


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	102.4
p1 Cal 2-10ng	2	✔	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✔	25.0	24.3	97.1
p1 Cal 4-50ng	4	✔	50.0	48.0	96.0
p1 Cal 5-100ng	5	✔	100.0	97.4	97.4
p1 Cal 6-250ng	6	✔	250.0	249.5	99.8
p1 Cal 7-500ng	7	✔	500.0	527.6	105.5
p1 Cal 8-1000ng	8	✔	1000.0	1044.9	104.5

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 AM
Analyst Name	ISP\datastor
Analyte	Fentanyl
Internal Standard	Fentanyl-D5

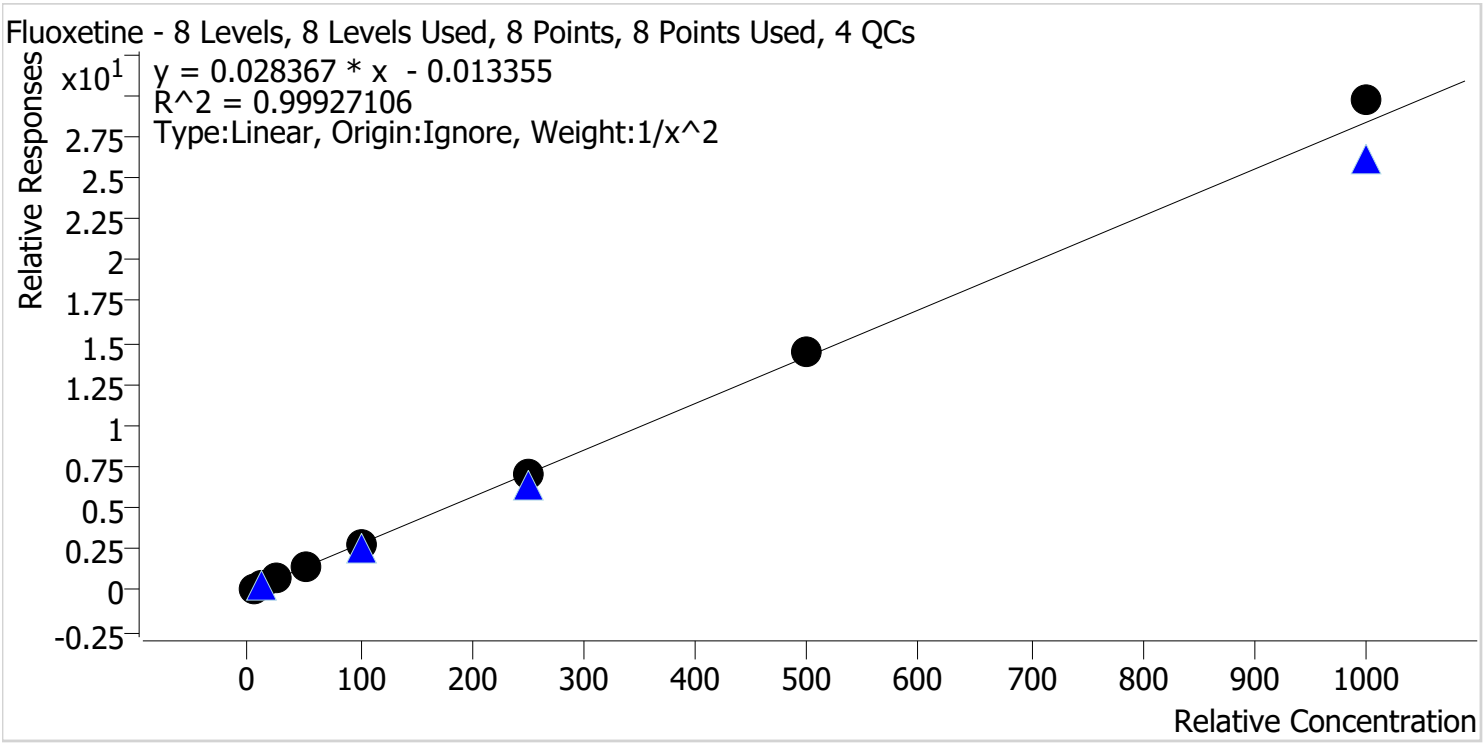


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.5	101.4
p1 Cal 2-10ng	2	✔	1.0	1.0	97.2
p1 Cal 3 -25ng	3	✔	2.5	2.6	102.6
p1 Cal 4-50ng	4	✔	5.0	4.8	95.3
p1 Cal 5-100ng	5	✔	10.0	10.0	99.8
p1 Cal 6-250ng	6	✔	25.0	24.3	97.3
p1 Cal 7-500ng	7	✔	50.0	50.6	101.3
p1 Cal 8-1000ng	8	✔	100.0	105.2	105.2

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 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	100.6
p1 Cal 2-10ng	2	✔	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✔	25.0	24.6	98.2
p1 Cal 4-50ng	4	✔	50.0	48.7	97.5
p1 Cal 5-100ng	5	✔	100.0	99.1	99.1
p1 Cal 6-250ng	6	✔	250.0	245.6	98.2
p1 Cal 7-500ng	7	✔	500.0	507.8	101.6
p1 Cal 8-1000ng	8	✔	1000.0	1047.2	104.7

TS

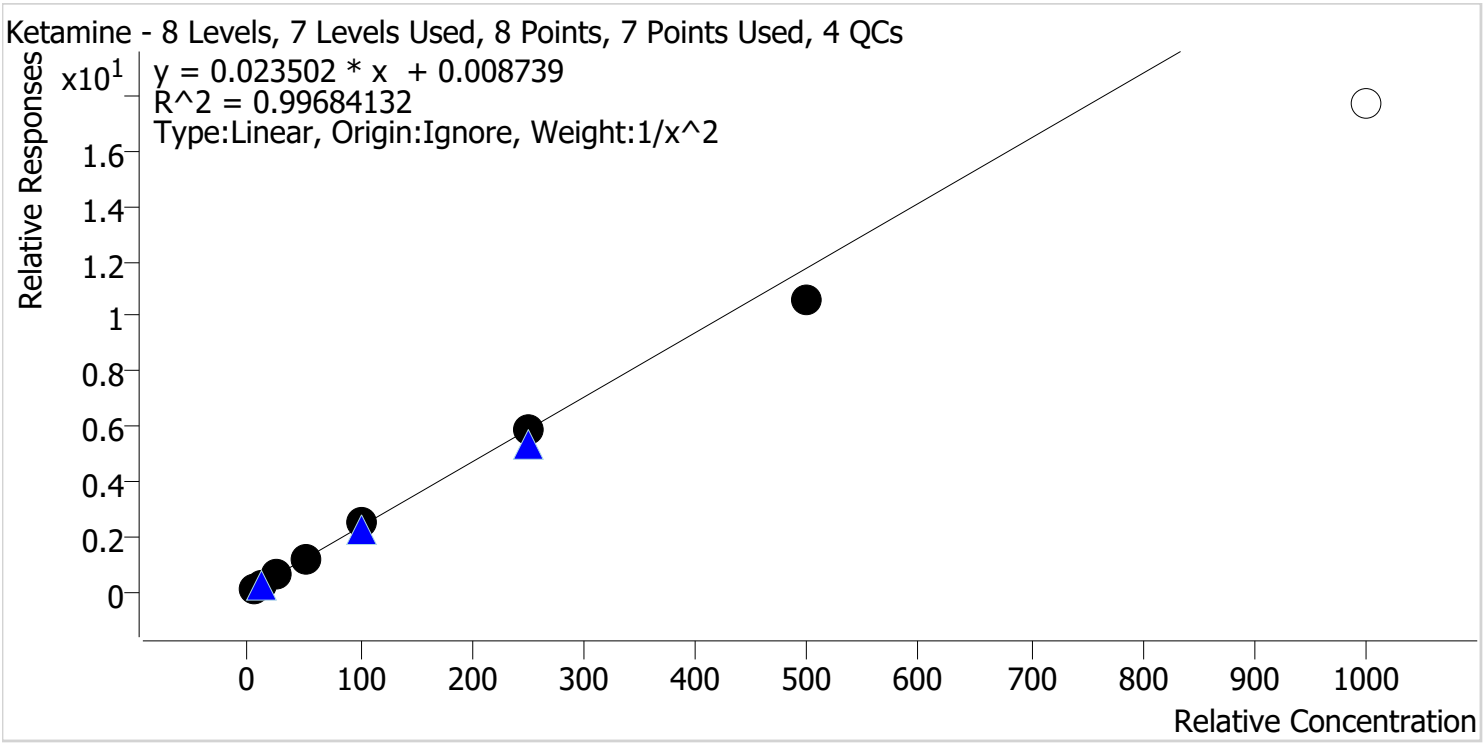
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin

Last Cal. Update 1/25/2024 9:24 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	98.1
p1 Cal 2-10ng	2	✔	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✔	25.0	26.0	104.2
p1 Cal 4-50ng	4	✔	50.0	50.8	101.5
p1 Cal 5-100ng	5	✔	100.0	104.4	104.4
p1 Cal 6-250ng	6	✔	250.0	249.1	99.6
p1 Cal 7-500ng	7	✔	500.0	452.6	90.5
p1 Cal 8-1000ng	8	✗	1000.0	755.4	75.5

TS

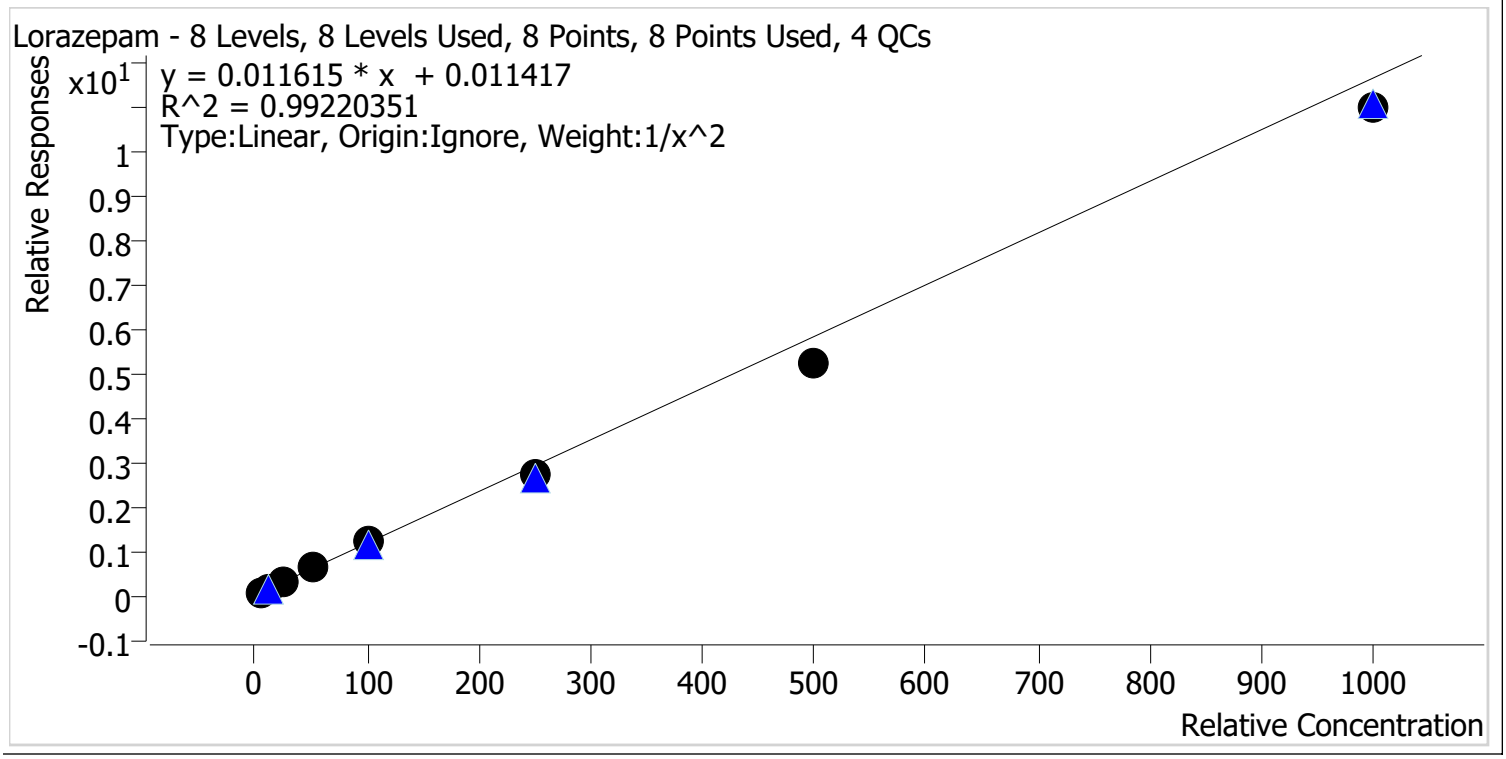
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin

Last Cal. Update 1/25/2024 9:24 AM

Analyst Name ISP\datastor

Analyte Lorazepam **Internal Standard** Oxazepam-D5

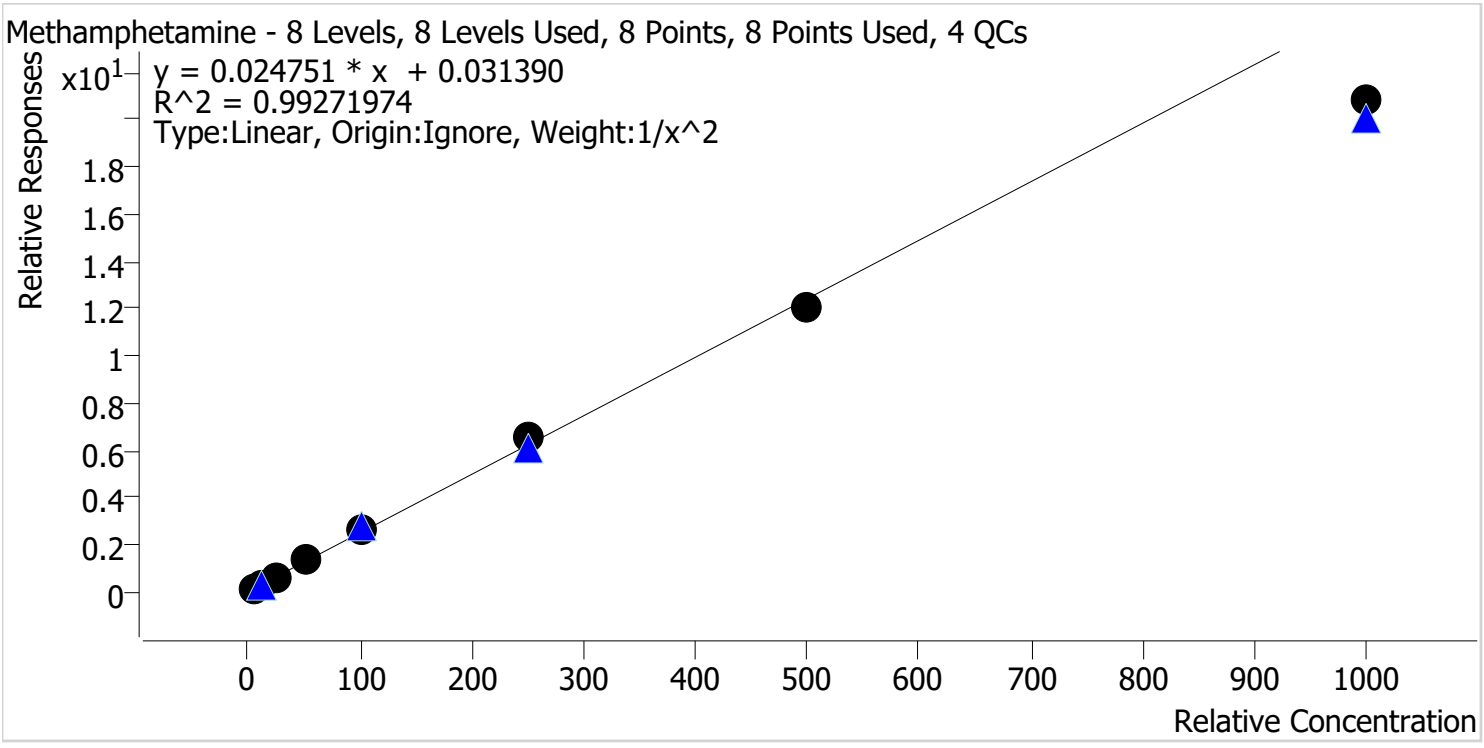


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.7	94.2
p1 Cal 2-10ng	2	✔	10.0	10.7	106.7
p1 Cal 3 -25ng	3	✔	25.0	27.0	108.0
p1 Cal 4-50ng	4	✔	50.0	54.1	108.2
p1 Cal 5-100ng	5	✔	100.0	105.3	105.3
p1 Cal 6-250ng	6	✔	250.0	232.4	92.9
p1 Cal 7-500ng	7	✔	500.0	451.4	90.3
p1 Cal 8-1000ng	8	✔	1000.0	943.4	94.3

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 AM
Analyst Name	ISP\datastor
Analyte	Methamphetamine
Internal Standard	Methamphetamine-D11

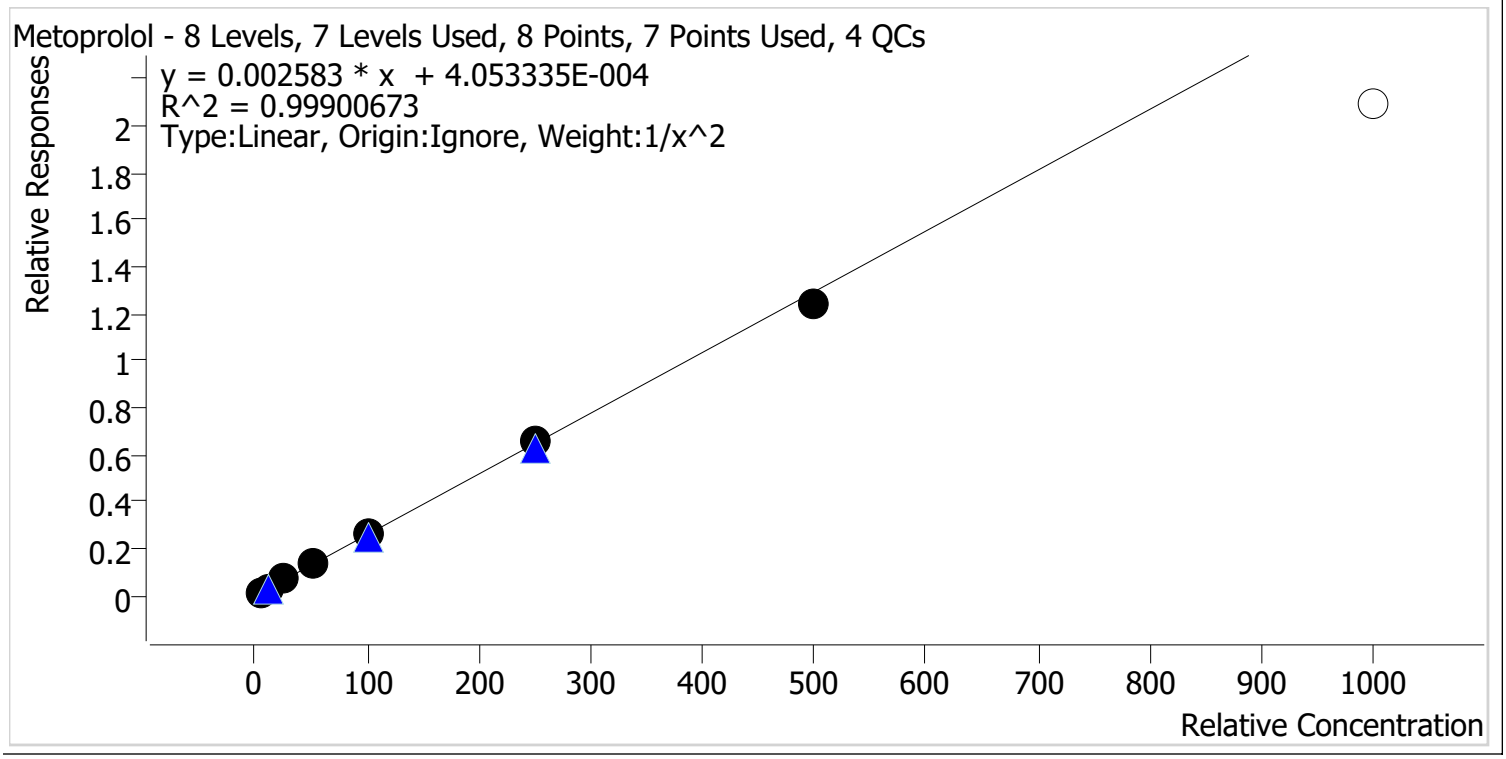


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.8	96.9
p1 Cal 2-10ng	2	✔	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✔	25.0	25.4	101.5
p1 Cal 4-50ng	4	✔	50.0	53.1	106.1
p1 Cal 5-100ng	5	✔	100.0	106.1	106.1
p1 Cal 6-250ng	6	✔	250.0	260.8	104.3
p1 Cal 7-500ng	7	✔	500.0	486.3	97.3
p1 Cal 8-1000ng	8	✔	1000.0	839.3	83.9

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 AM
Analyst Name	ISP\datastor
Analyte	Metoprolol
Internal Standard	Tramadol-13C-D3

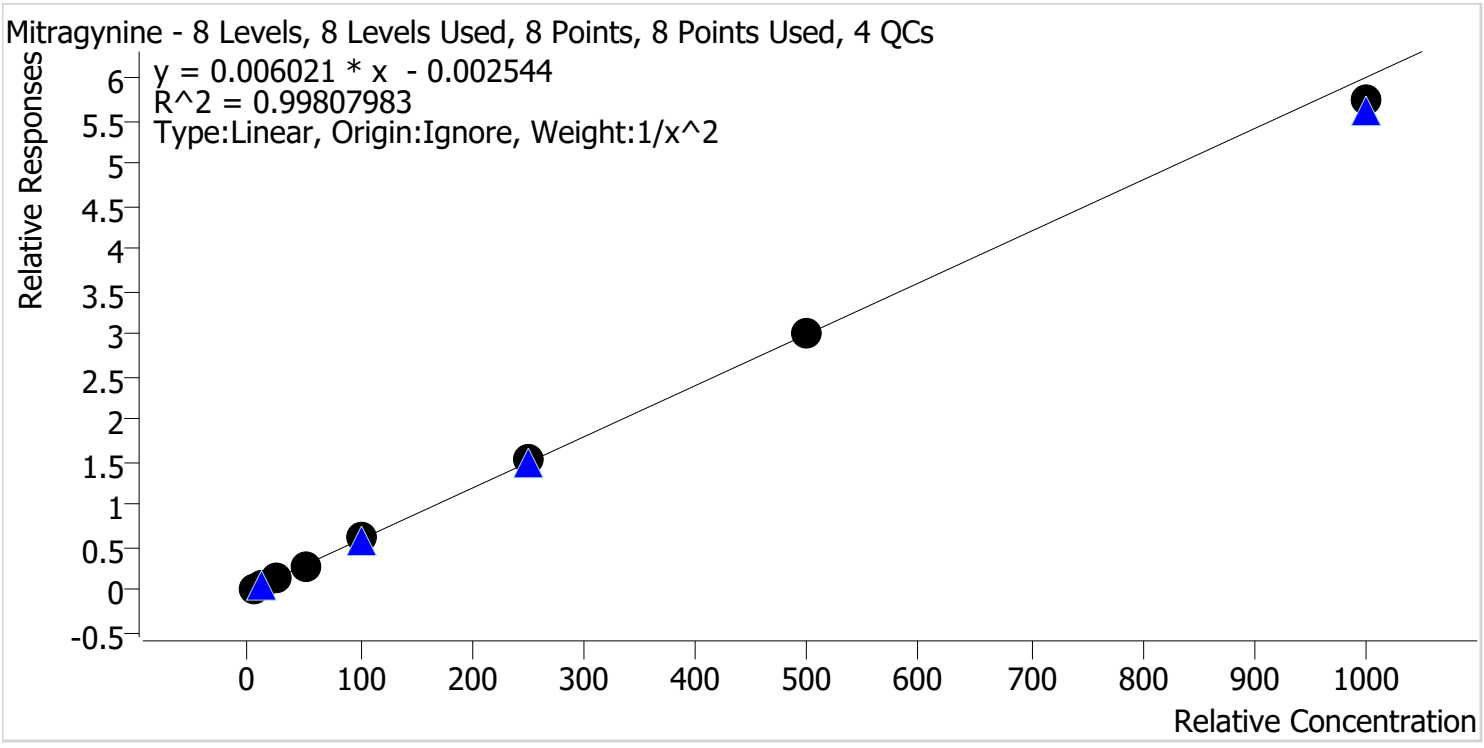


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.1
p1 Cal 2-10ng	2	✔	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✔	25.0	25.5	101.9
p1 Cal 4-50ng	4	✔	50.0	50.6	101.1
p1 Cal 5-100ng	5	✔	100.0	100.9	100.9
p1 Cal 6-250ng	6	✔	250.0	256.4	102.6
p1 Cal 7-500ng	7	✔	500.0	478.7	95.7
p1 Cal 8-1000ng	8	✗	1000.0	808.5	80.9

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 AM
Analyst Name	ISP\datastor
Analyte	Mitragynine
Internal Standard	Methadone-D9

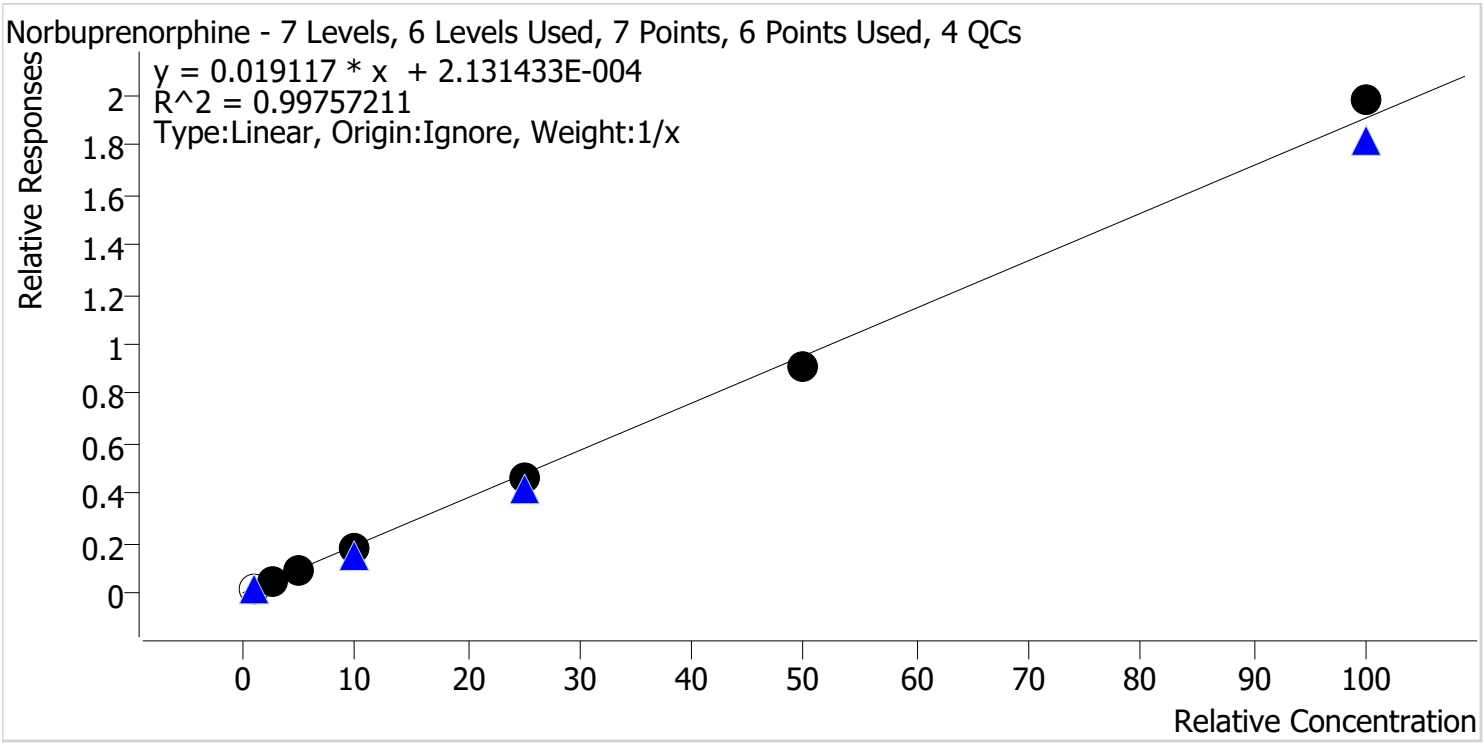


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.9
p1 Cal 2-10ng	2	✔	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✔	25.0	25.2	100.9
p1 Cal 4-50ng	4	✔	50.0	47.8	95.7
p1 Cal 5-100ng	5	✔	100.0	105.6	105.6
p1 Cal 6-250ng	6	✔	250.0	258.3	103.3
p1 Cal 7-500ng	7	✔	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✔	1000.0	955.3	95.5

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 AM
Analyst Name	ISP\datastor
Analyte	Norbuprenorphine
Internal Standard	Norbuprenorphine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	✗	1.0	0.9	94.1
p1 Cal 3 -25ng	3	✔	2.5	2.7	108.9
p1 Cal 4-50ng	4	✔	5.0	5.1	101.2
p1 Cal 5-100ng	5	✔	10.0	9.5	94.8
p1 Cal 6-250ng	6	✔	25.0	24.2	96.7
p1 Cal 7-500ng	7	✔	50.0	47.3	94.7
p1 Cal 8-1000ng	8	✔	100.0	103.7	103.7

TS

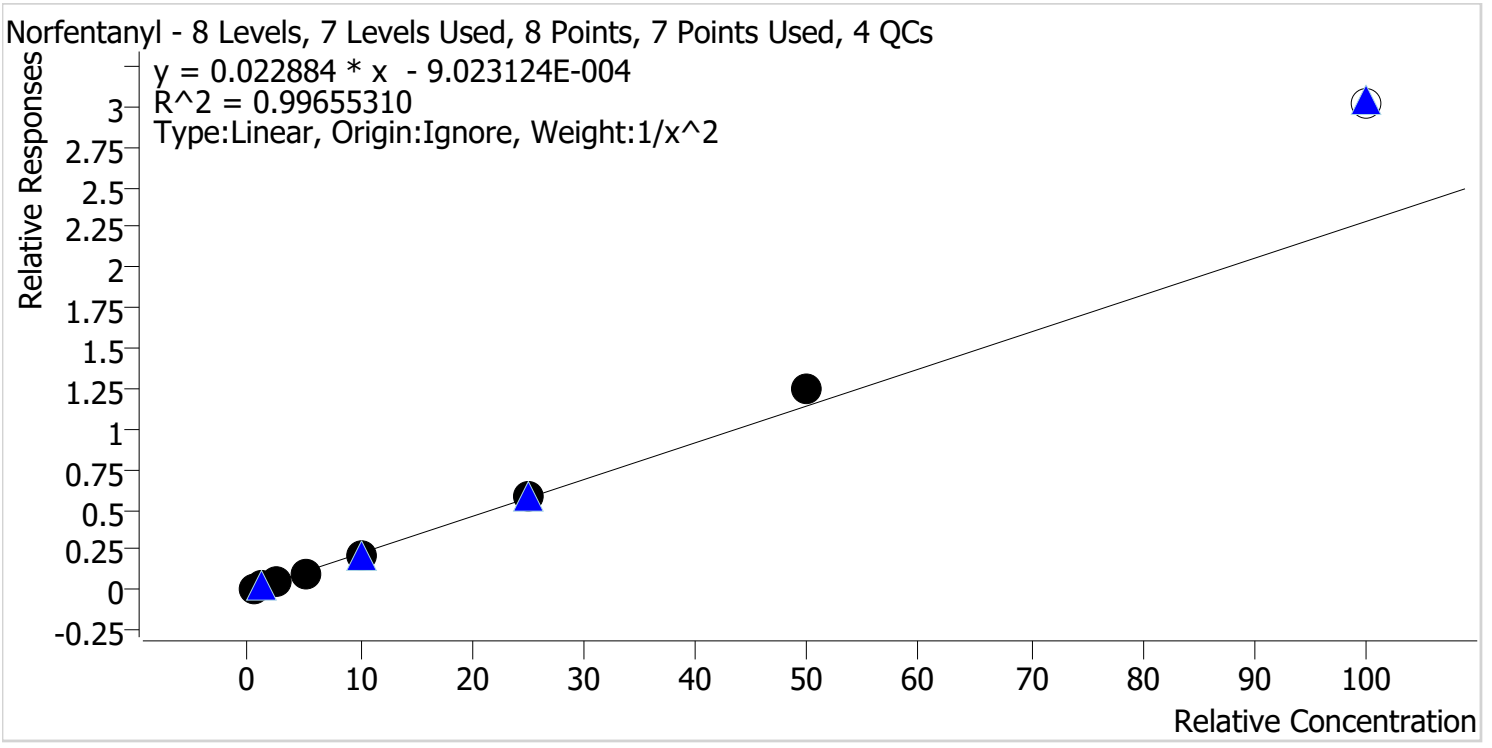
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin

Last Cal. Update 1/25/2024 9:24 AM

Analyst Name ISP\datastor

Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

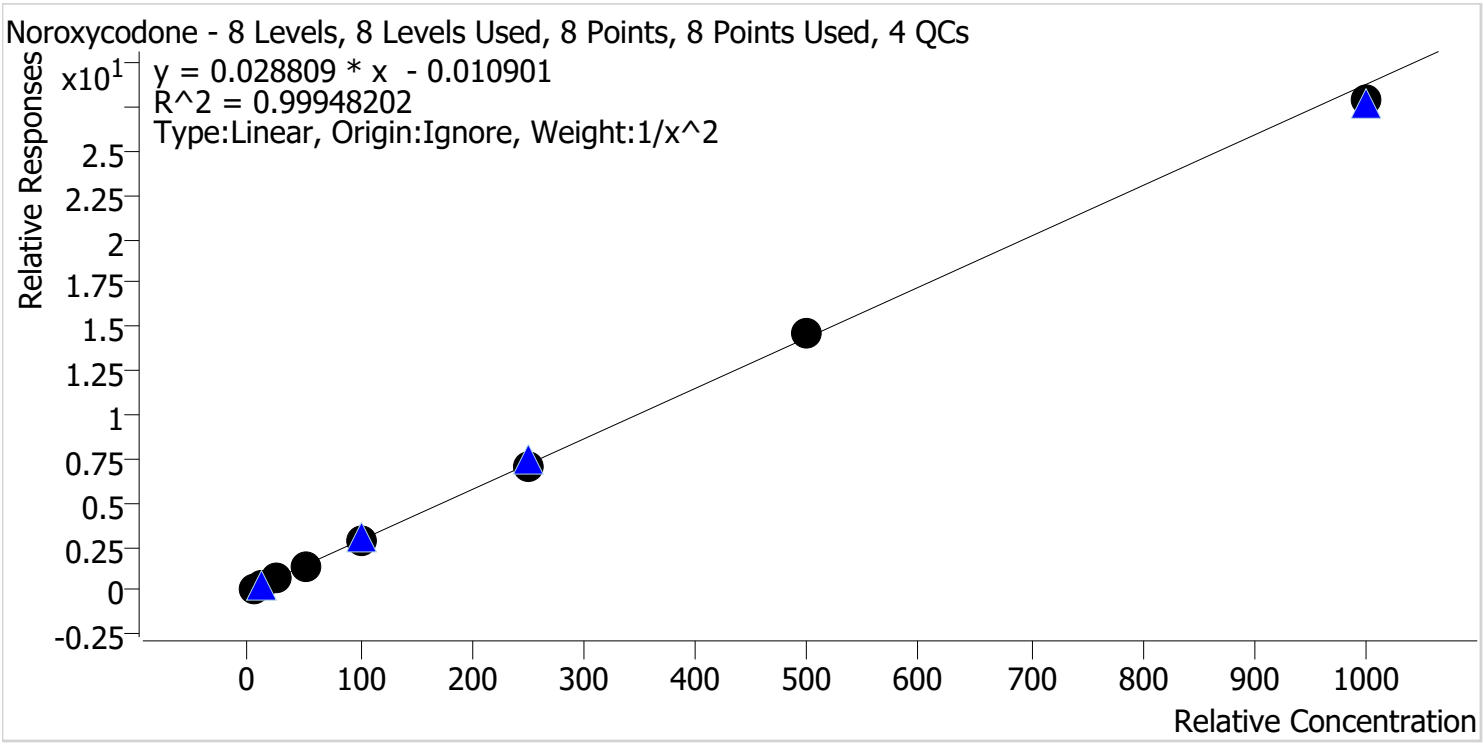


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.5	102.5
p1 Cal 2-10ng	2	✔	1.0	1.0	97.8
p1 Cal 3 -25ng	3	✔	2.5	2.4	94.9
p1 Cal 4-50ng	4	✔	5.0	4.9	97.0
p1 Cal 5-100ng	5	✔	10.0	9.6	95.7
p1 Cal 6-250ng	6	✔	25.0	26.0	103.8
p1 Cal 7-500ng	7	✔	50.0	54.1	108.3
p1 Cal 8-1000ng	8	✗	100.0	131.8	131.8

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 AM
Analyst Name	ISP\datastor
Analyte	Noroxycodone
Internal Standard	Noroxycodone-D3

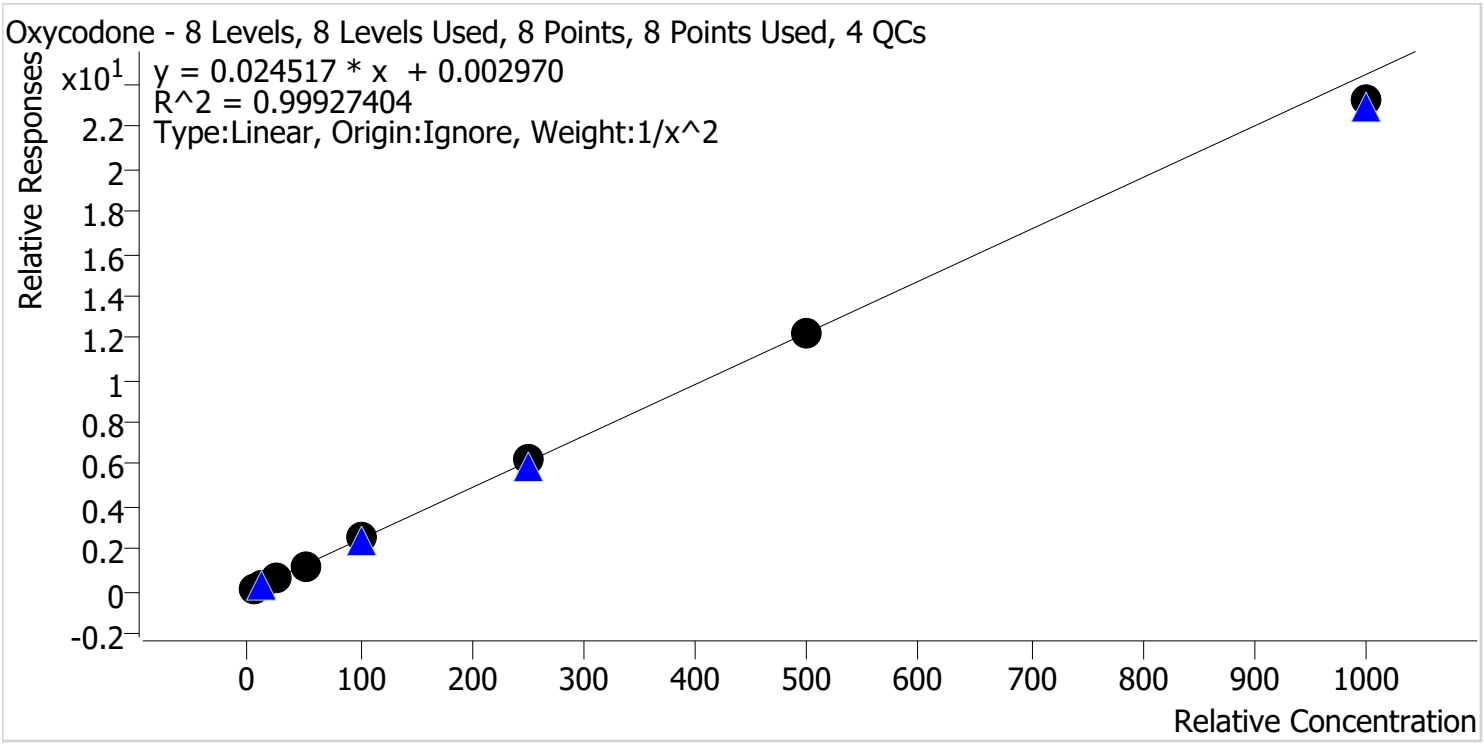


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	100.7
p1 Cal 2-10ng	2	✔	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✔	25.0	25.4	101.7
p1 Cal 4-50ng	4	✔	50.0	51.1	102.2
p1 Cal 5-100ng	5	✔	100.0	100.0	100.0
p1 Cal 6-250ng	6	✔	250.0	248.4	99.4
p1 Cal 7-500ng	7	✔	500.0	508.2	101.6
p1 Cal 8-1000ng	8	✔	1000.0	968.5	96.9

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Last Cal. Update	1/25/2024 9:24 AM
Analyst Name	ISP\datastor
Analyte	Oxycodone
Internal Standard	Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	99.0
p1 Cal 2-10ng	2	✔	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✔	25.0	25.5	102.0
p1 Cal 4-50ng	4	✔	50.0	50.3	100.6
p1 Cal 5-100ng	5	✔	100.0	102.1	102.1
p1 Cal 6-250ng	6	✔	250.0	253.2	101.3
p1 Cal 7-500ng	7	✔	500.0	495.6	99.1
p1 Cal 8-1000ng	8	✔	1000.0	949.8	95.0

TS

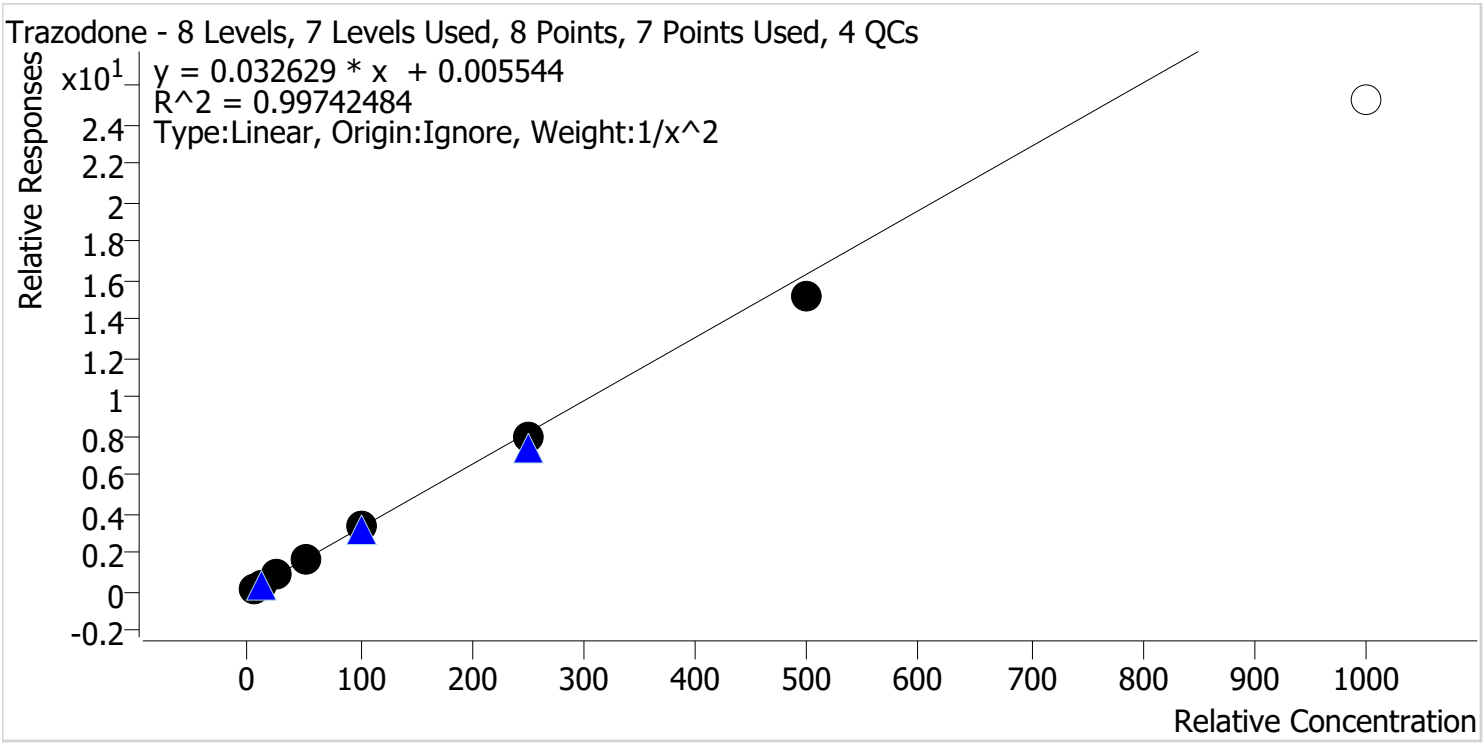
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin

Last Cal. Update 1/25/2024 9:24 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	97.6
p1 Cal 2-10ng	2	✔	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✔	25.0	25.8	103.4
p1 Cal 4-50ng	4	✔	50.0	52.6	105.3
p1 Cal 5-100ng	5	✔	100.0	100.6	100.6
p1 Cal 6-250ng	6	✔	250.0	245.4	98.2
p1 Cal 7-500ng	7	✔	500.0	462.5	92.5
p1 Cal 8-1000ng	8	✗	1000.0	773.1	77.3

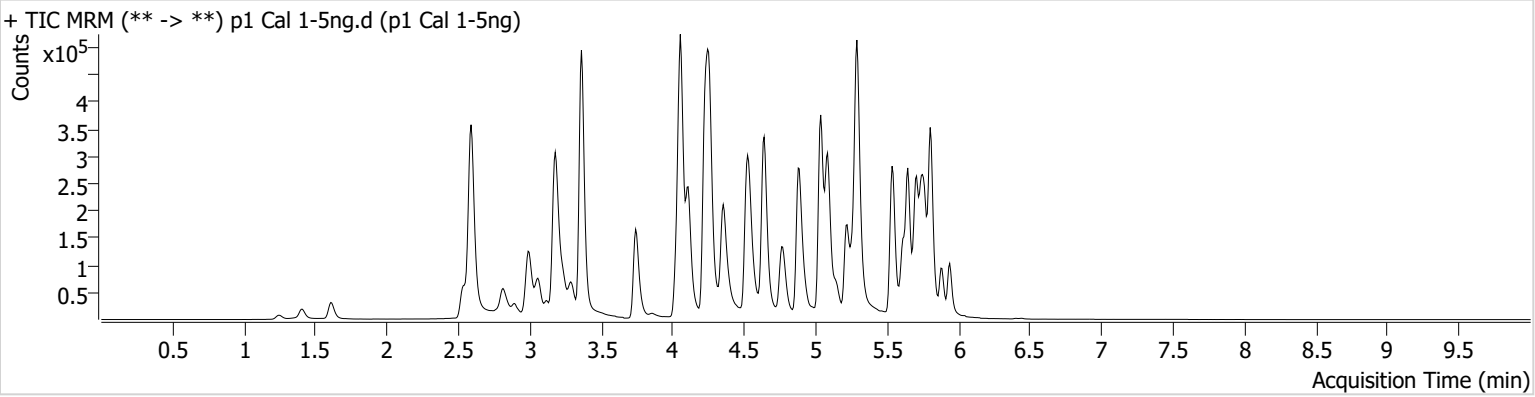
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 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	P2-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	1/24/2024 12:30:22 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.264	16079	39.44	70.4	1602.25	166348	4.9054 ng/ml
9-hydroxyrisperidone	4.644	2733	2902.76	3041.1	72650.92	726306	5.2186 ng/ml
Amphetamine	3.067	91267	147.86	43.0	108.84	245830	4.7701 ng/ml
Buprenorphine	5.813	1281	1221.91	16.1	159.68	87413	0.4897 ng/ml
Bupropion	4.785	53012	255.86	68.2	67.02	299987	4.9687 ng/ml
Citalopram	5.220	39522	121.57	29.7	9104.31	378707	5.1396 ng/ml
Clonazepam	5.604	22520	387.84	32.9	25276.63	68751	4.8790 ng/ml
Diphenhydramine	5.292	103938	2479.49	29.4	259.23	1058629	5.1202 ng/ml
Fentanyl	5.096	2810	3037.78	87.9	6272.99	357829	0.5068 ng/ml
Fluorofentanyl	5.151	7319	57.62	44.0	2016.02	2613	0.5046 ng/ml
Fluoxetine	5.700	24689	189.02	7.4	3813.66	190825	5.0317 ng/ml
Hydroxyzine	5.697	37602	729.49	65.7	19114.47	218000	5.2618 ng/ml
Ketamine	4.041	38328	12179.27	32.4	35.65	309140	4.9035 ng/ml
Lorazepam	5.740	21573	988.28	53.5	71.82	326196	4.7112 ng/ml
Methamphetamine	3.236	92929	228.34	37.4	488.89	614388	4.8428 ng/ml
Metoprolol	4.320	11794	5087.27	101.8	241.44	875773	5.0557 ng/ml
Mitragynine	5.225	12306	18520.39	33.3	1923.58	437655	5.0929 ng/ml
Norfentanyl	4.076	8863	156.70	35.3	51.96	818754	0.5125 ng/ml
Noroxycodone	2.914	8354	253.17	50.9	180.50	62275	5.0347 ng/ml
Oxycodone	2.838	22765	303.00	31.0	3894.80	183136	4.9491 ng/ml
Trazodone	5.143	59403	50068.80	55.4	129.54	360376	4.8819 ng/ml

TS

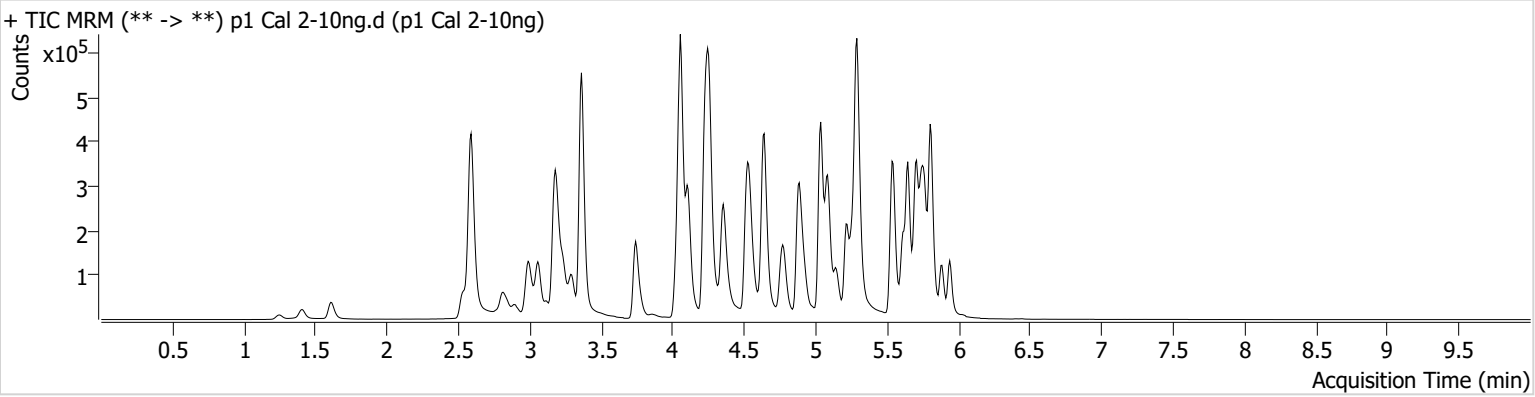
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G12
Injection Volume 2
Acq. Date-Time 1/24/2024 12:41:10 PM
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	4.258	34269	1273.70	69.6		29091.57	178032	9.8960 ng/ml
9-hydroxyrisperidone	4.644	5111	3297.52	3514.5		2297.06	768299	9.2050 ng/ml
Amphetamine	3.060	194894	4883.00	45.1		1844.81	257039	10.4487 ng/ml
Buprenorphine	5.806	2648	4639.46	16.5		703.06	97137	1.0104 ng/ml
Bupropion	4.785	116001	122.79	69.0		2951.56	314459	10.1059 ng/ml
Citalopram	5.220	86208	184.67	29.0		22890.22	404940	9.6830 ng/ml
Clonazepam	5.604	50472	201.33	33.2		253.64	78418	10.1064 ng/ml
Diphenhydramine	5.292	230404	3655.58	28.8		2414.76	1156308	9.7258 ng/ml
Fentanyl	5.096	6429	5064.38	75.0		8599.93	392382	0.9724 ng/ml
Fluorofentanyl	5.151	16542	234.67	37.2		5293.33	3004	0.9766 ng/ml
Fluoxetine	5.700	60433	4738.93	7.5		1649.62	223517	10.0020 ng/ml
Hydroxyzine	5.697	76156	73905.15	73.2		36800.93	238585	9.2947 ng/ml
Ketamine	4.041	81937	3896.88	31.8		190.15	330859	10.1654 ng/ml
Lorazepam	5.740	47898	408.06	53.4		120.18	353868	10.6706 ng/ml
Methamphetamine	3.236	189644	383.68	37.4		366.50	657266	10.3891 ng/ml
Metoprolol	4.320	23324	280.26	106.7		1037.83	918926	9.6677 ng/ml
Mitragynine	5.225	26678	579.27	34.0		8975.58	482154	9.6127 ng/ml
Norbuprenorphine	4.979	360	612.90	142.7	**High**	815.73	19769	0.9411 ng/ml
Norfentanyl	4.076	18843	529.75	35.1		79.88	877596	0.9777 ng/ml
Noroxycodone	2.914	17536	135.73	50.0		107.35	64937	9.7520 ng/ml
Oxycodone	2.838	47322	682.62	29.0		667.96	188999	10.0914 ng/ml
Trazodone	5.143	127558	90325.52	59.4		208326.97	375250	10.2481 ng/ml

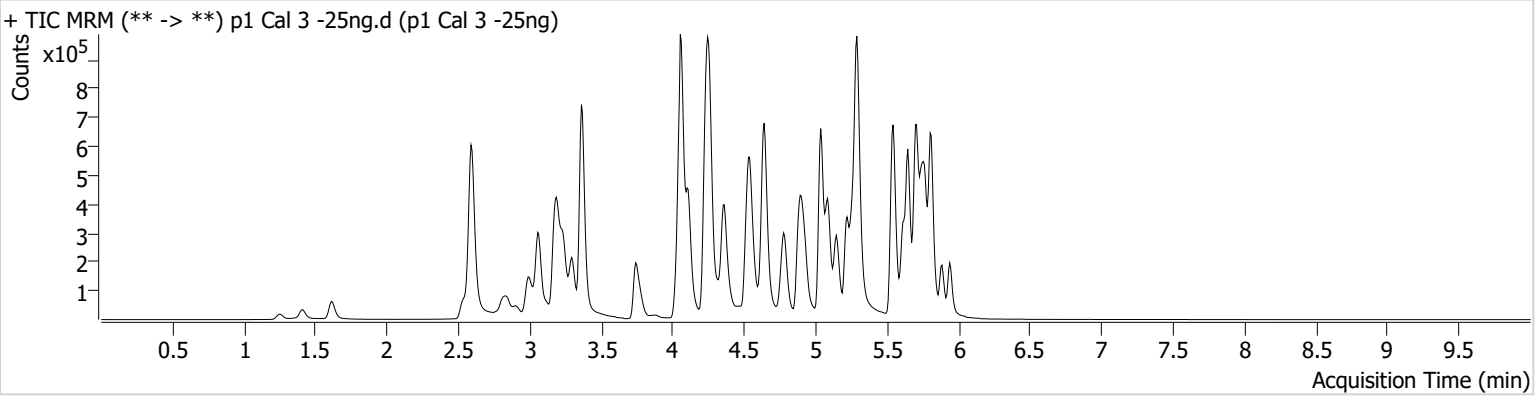
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 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	P2-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	1/24/2024 12:51:46 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.264	94312	11231.66	69.2	180.08	181594	26.9183 ng/ml
9-hydroxyrisperidone	4.644	15175	5274.18	3406.0	827.37	851442	24.6103 ng/ml
Amphetamine	3.060	531746	10693.07	44.7	1083.01	281074	27.0839 ng/ml
Buprenorphine	5.806	7861	5527.51	16.9	1324.81	117952	2.6369 ng/ml
Bupropion	4.785	328468	4183.56	69.5	2500.06	355025	24.9769 ng/ml
Citalopram	5.220	257668	470.65	29.1	139.11	464205	24.0082 ng/ml
Clonazepam	5.604	130482	139.32	34.1	43509.84	80083	26.4091 ng/ml
Diphenhydramine	5.292	676767	294.36	29.2	123.92	1305224	24.2726 ng/ml
Fentanyl	5.096	21792	8772.08	67.8	9163.43	478430	2.5644 ng/ml
Fluorofentanyl	5.151	54255	1187.14	41.5	1836.24	3628	2.6243 ng/ml
Fluoxetine	5.700	234619	215.38	7.1	247.57	343317	24.5616 ng/ml
Hydroxyzine	5.697	238702	7227.81	71.1	135380.60	279179	24.0235 ng/ml
Ketamine	4.041	226059	226.97	31.5	164.58	364207	26.0378 ng/ml
Lorazepam	5.740	117195	5426.09	56.2	326.29	360460	27.0094 ng/ml
Methamphetamine	3.236	488205	510.11	37.1	2380.05	740216	25.3785 ng/ml
Metoprolol	4.320	67433	2280.35	103.3	2843.90	1018119	25.4802 ng/ml
Mitragynine	5.225	84036	125.56	32.4	2171.61	562956	25.2168 ng/ml
Norbuprenorphine	4.985	1197	2029.07	101.5	2849.92	22903	2.7223 ng/ml
Norfentanyl	4.076	50860	84.78	37.0	725.44	952922	2.3717 ng/ml
Noroxycodone	2.914	49257	1621.43	53.0	286.27	68288	25.4159 ng/ml
Oxycodone	2.838	128840	1172.52	31.2	429.93	205060	25.5060 ng/ml
Trazodone	5.143	391629	789.32	58.8	200.93	461305	25.8486 ng/ml

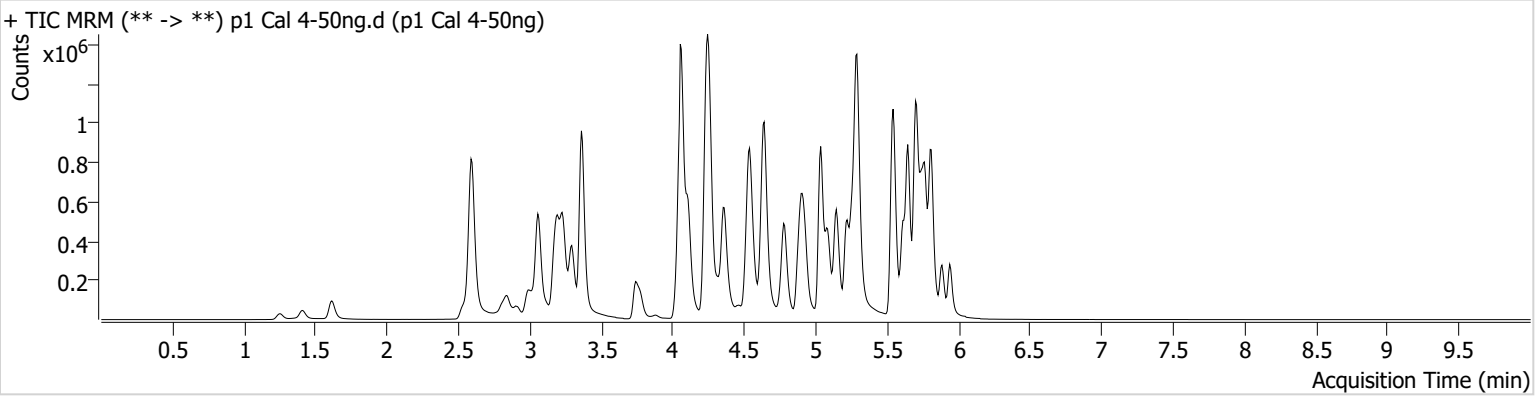
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 4-50ng.d
Type	Cal	**Sample**	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P2-E12	**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	1/24/2024 1:02:24 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.258	184297	12538.39	68.1	21444.27	177311	54.0010 ng/ml
9-hydroxyrisperidone	4.644	29396	4629.49	3419.6	4006.35	823042	49.2868 ng/ml
Amphetamine	3.060	1010034	11923.76	44.5	770.02	272479	53.7181 ng/ml
Buprenorphine	5.806	14244	10169.56	14.3	2168.25	110737	5.1971 ng/ml
Bupropion	4.785	639494	6848.36	70.6	6111.71	340213	50.4921 ng/ml
Citalopram	5.214	504689	460.47	29.7	250.59	447140	48.0226 ng/ml
Clonazepam	5.604	240133	8582.40	34.6	81512.07	73537	53.4686 ng/ml
Diphenhydramine	5.292	1338767	103518.15	29.6	17758.43	1287607	48.0227 ng/ml
Fentanyl	5.096	43796	91438.40	75.7	111.34	510226	4.7636 ng/ml
Fluorofentanyl	5.151	113477	13811.32	41.7	3352.09	4307	4.6116 ng/ml
Fluoxetine	5.700	563619	1166.55	7.1	29463.56	411672	48.7343 ng/ml
Hydroxyzine	5.697	477484	309592.97	72.4	1872.35	285099	46.5582 ng/ml
Ketamine	4.041	425408	276.95	32.7	1155.22	353937	50.7689 ng/ml
Lorazepam	5.740	202194	3435.47	57.0	306.94	316088	54.0910 ng/ml
Methamphetamine	3.236	940961	454.51	36.6	328.37	699759	53.0596 ng/ml
Metoprolol	4.320	128572	1818.46	108.1	3558.75	981318	50.5577 ng/ml
Mitragynine	5.225	160206	1954.08	33.8	204.21	561129	47.8442 ng/ml
Norbuprenorphine	4.992	2206	2232.37	90.1	674.09	22753	5.0601 ng/ml
Norfentanyl	4.076	97807	465.56	37.1	2253.61	888263	4.8511 ng/ml
Noroxycodone	2.914	95022	835.76	50.0	468.01	65009	51.1147 ng/ml
Oxycodone	2.838	246290	2147.04	32.5	774.16	199261	50.2933 ng/ml
Trazodone	5.143	791656	250.88	60.8	254696.68	459538	52.6273 ng/ml

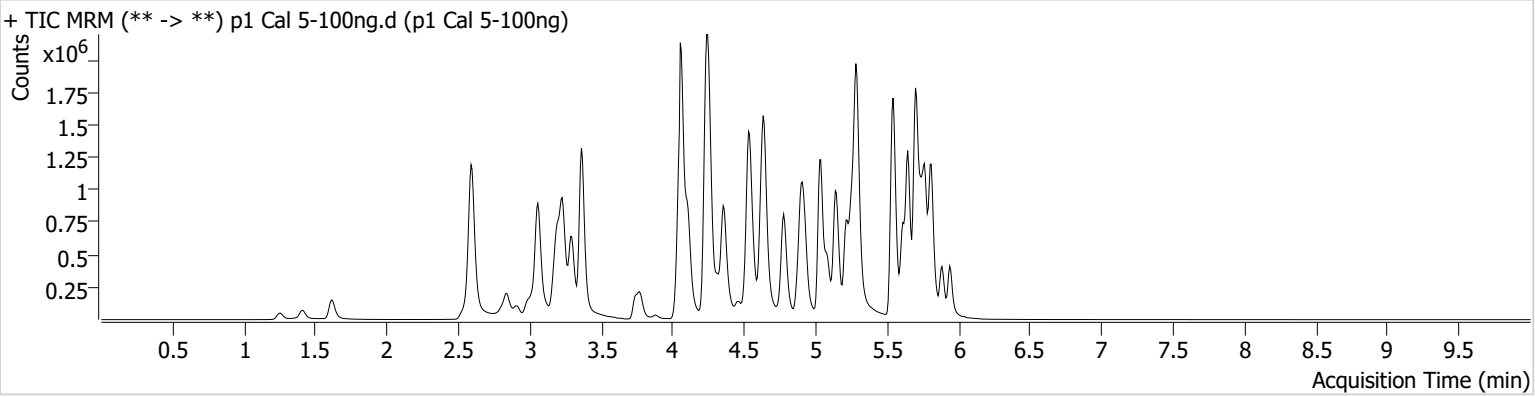
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 5-100ng.d
Type	Cal	**Sample**	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Tamara Salazar
Sample Position	P2-D12	**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	1/24/2024 1:13:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.258	310075	11361.87	70.9	34273.11	158367	101.8368 ng/ml
9-hydroxyrisperidone	4.637	56103	49226.16	3390.3	7401.54	768074	100.7669 ng/ml
Amphetamine	3.060	1751683	15888.25	44.6	16234.31	246309	103.6837 ng/ml
Buprenorphine	5.806	25534	27214.74	16.1	3857.99	101644	10.2599 ng/ml
Bupropion	4.779	1176714	124450.79	69.4	13642.69	314692	100.2017 ng/ml
Citalopram	5.214	934132	356.44	28.7	288.44	401053	98.2800 ng/ml
Clonazepam	5.604	406606	70785.34	33.4	224.15	63740	104.9642 ng/ml
Diphenhydramine	5.292	2422606	1170.18	29.8	3115.70	1140787	97.4111 ng/ml
Fentanyl	5.096	83940	77331.36	70.7	158097.94	462653	9.9818 ng/ml
Fluorofentanyl	5.151	219565	630.49	41.3	16429.97	3816	10.0517 ng/ml
Fluoxetine	5.700	1092361	424.45	7.0	2125.43	390368	99.1161 ng/ml
Hydroxyzine	5.697	892202	1915.38	75.2	17269.80	263125	93.7281 ng/ml
Ketamine	4.041	771392	40434.74	32.0	1314.26	313153	104.4390 ng/ml
Lorazepam	5.740	301385	3567.26	54.0	947.22	244153	105.2958 ng/ml
Methamphetamine	3.236	1728361	649.02	36.3	7425.70	650199	106.1277 ng/ml
Metoprolol	4.313	237143	415506.83	104.9	2209.14	908621	100.8669 ng/ml
Mitragynine	5.225	315943	545335.85	30.9	61814.11	498786	105.6321 ng/ml
Norbuprenorphine	4.985	3602	4424.12	107.9	6402.97	19852	9.4807 ng/ml
Norfentanyl	4.076	171838	242389.75	38.4	1536.29	787808	9.5710 ng/ml
Noroxycodone	2.914	171746	538.90	52.8	349.45	59826	100.0256 ng/ml
Oxycodone	2.838	463620	2512.08	31.8	2467.01	184981	102.1058 ng/ml
Trazodone	5.136	1466808	1240917.66	60.5	47996.12	446252	100.5671 ng/ml

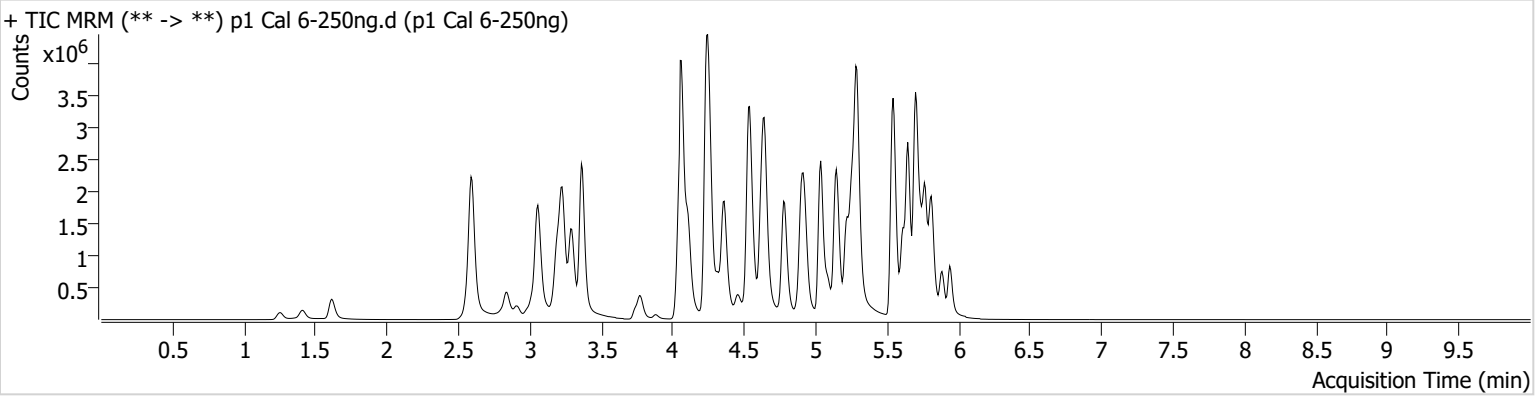
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 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	P2-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	1/24/2024 1:23:39 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.258	613674	28423.82	69.4	11083.26	123135	259.4124 ng/ml
9-hydroxyrisperidone	4.644	126399	640.98	3553.2	1238.41	707290	246.4932 ng/ml
Amphetamine	3.060	3800974	1946.15	42.5	866.52	233327	238.3760 ng/ml
Buprenorphine	5.806	59313	66458.19	14.3	11134.74	98057	24.8666 ng/ml
Bupropion	4.779	2876987	96537.54	68.8	52380.93	305331	252.1254 ng/ml
Citalopram	5.214	2171861	42526.71	29.4	625.33	363253	251.0715 ng/ml
Clonazepam	5.604	746742	6910.19	34.1	720987.88	50298	245.0016 ng/ml
Diphenhydramine	5.292	5799715	68178.35	29.7	338.56	1062025	249.4807 ng/ml
Fentanyl	5.096	213081	∞	70.5	340074.55	479592	24.3307 ng/ml
Fluorofentanyl	5.151	539034	26098.04	41.5	4395.21	3845	24.4675 ng/ml
Fluoxetine	5.700	2402161	80395.77	7.1	8845.20	345463	245.5937 ng/ml
Hydroxyzine	5.697	2104453	30666.05	78.8	1472802.23	239044	242.5188 ng/ml
Ketamine	4.041	1703111	702.51	31.8	11309.19	290495	249.0834 ng/ml
Lorazepam	5.740	419903	10068.59	56.1	284.02	154938	232.3506 ng/ml
Methamphetamine	3.229	4075776	44803.74	36.4	1965.65	628412	260.7705 ng/ml
Metoprolol	4.320	532822	549288.91	106.8	938728.50	803878	256.4024 ng/ml
Mitragynine	5.225	738644	2016557.62	33.1	2144.41	475809	258.2708 ng/ml
Norbuprenorphine	4.985	9331	3873.52	94.0	305.85	20182	24.1727 ng/ml
Norfentanyl	4.076	368233	1694.71	37.2	928.79	620743	25.9620 ng/ml
Noroxycodone	2.914	384695	∞	52.5	153.15	53828	248.4468 ng/ml
Oxycodone	2.838	1086064	2361.32	31.6	1548.65	174878	253.1879 ng/ml
Trazodone	5.143	3448503	4022.92	65.4	401.35	430405	245.3857 ng/ml

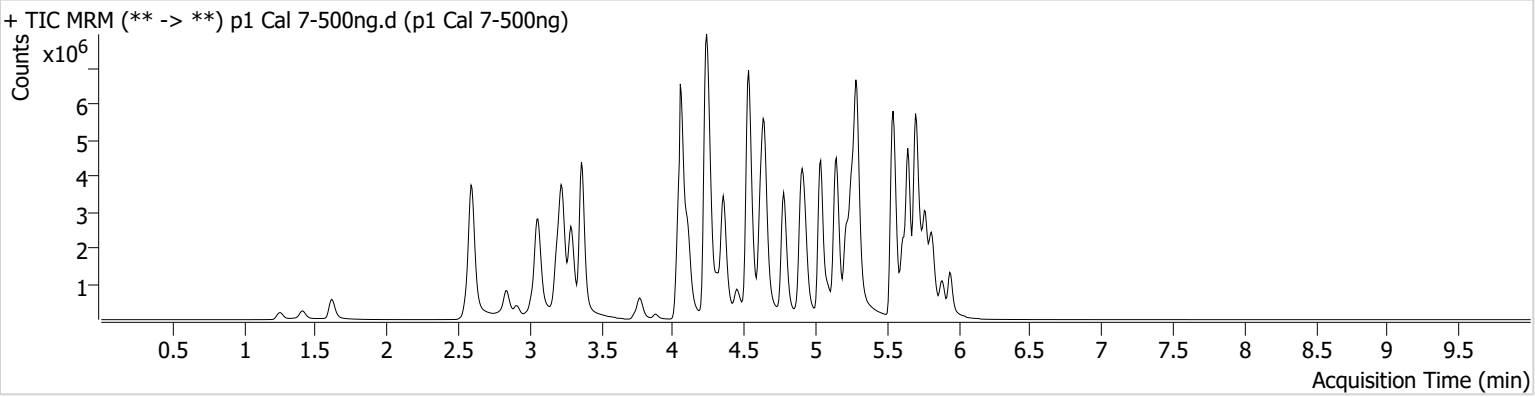
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 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	P2-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	1/24/2024 1:34:16 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.258	913886	36507.79	67.0	36460.42	95022	500.7350 ng/ml
9-hydroxyrisperidone	4.637	246612	1153.38	3680.5	128437.62	664523	511.8415 ng/ml
Amphetamine	3.060	6346933	50289.98	42.4	67753.19	218018	426.5283 ng/ml
Buprenorphine	5.813	104766	260773.63	14.7	11832.62	88585	48.7300 ng/ml
Bupropion	4.779	5670405	2595.89	68.6	67672.15	302110	501.9829 ng/ml
Citalopram	5.214	3919397	113219.84	28.7	537723.38	321471	511.1791 ng/ml
Clonazepam	5.604	995931	1105.05	33.7	4667.40	38339	429.0844 ng/ml
Diphenhydramine	5.292	10781973	1451.41	29.6	626.07	932399	527.5545 ng/ml
Fentanyl	5.097	447752	8327.74	70.0	65070.01	483521	50.6264 ng/ml
Fluorofentanyl	5.151	1074032	30133.34	42.1	432998.53	3558	52.6633 ng/ml
Fluoxetine	5.700	3925338	29161.21	6.6	187.04	272757	507.7940 ng/ml
Hydroxyzine	5.697	3902277	2169114.78	82.1	1451.90	205206	523.2517 ng/ml
Ketamine	4.035	3055407	75036.25	31.5	12550.10	287017	452.5771 ng/ml
Lorazepam	5.740	461887	19376.39	55.2	96.17	87906	451.3963 ng/ml
Methamphetamine	3.229	7716375	56919.24	35.7	24770.71	639426	486.2851 ng/ml
Metoprolol	4.313	959567	10555.69	108.8	878143.76	775609	478.7253 ng/ml
Mitragynine	5.225	1362899	2128430.37	32.5	26905.29	448680	504.9538 ng/ml
Norbuprenorphine	4.985	17334	36887.28	104.5	22654.15	19149	47.3418 ng/ml
Norfentanyl	4.076	577047	12616.55	37.9	3223.43	466063	54.1439 ng/ml
Noroxycodone	2.907	724533	492.64	53.3	409.47	49526	508.1712 ng/ml
Oxycodone	2.831	2167480	1751.43	31.9	802.43	178323	495.6459 ng/ml
Trazodone	5.136	6583939	137829.42	67.5	3710.24	436078	462.5495 ng/ml

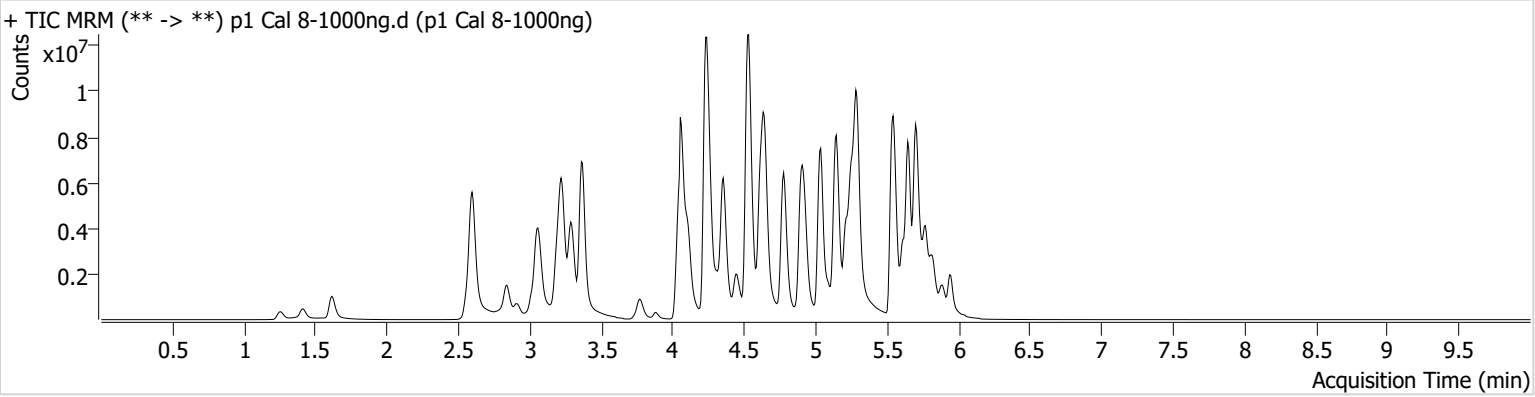
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\012324 AM 27 28 TS\QuantResults\AM 28_for review.batch.bin
Calibration Last Update 1/25/2024 9:24:20 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	P2-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	1/24/2024 1:44:55 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
7-aminoclonazepam	4.258	841524	∞	76.9	911.72	53759	815.0681 ng/ml
9-hydroxyrisperidone	4.637	433128	392208.37	3815.6	6775.74	569826	1048.3148 ng/ml
Amphetamine	3.060	9579683	64175.01	41.9	59077.33	204324	687.3345 ng/ml
Buprenorphine	5.813	180960	866.60	15.9	49450.12	81064	92.0813 ng/ml
Bupropion	4.779	10826422	839.77	68.0	770.44	297737	972.2734 ng/ml
Citalopram	5.214	6272379	88677.40	28.9	34327.89	244772	1073.5518 ng/ml
Clonazepam	5.597	1054620	1548.63	33.1	1567.72	24272	718.0721 ng/ml
Diphenhydramine	5.292	17793243	605.51	30.6	638.02	776422	1044.8750 ng/ml
Fentanyl	5.090	971307	2760.18	68.5	285.41	504589	105.1541 ng/ml
Fluorofentanyl	5.151	1997630	182984.09	43.0	31631.23	3467	100.5074 ng/ml
Fluoxetine	5.707	5576658	136951.93	7.0	4807.24	187815	1047.1832 ng/ml
Hydroxyzine	5.697	6725759	6917547.39	85.2	263266.09	157791	1172.1980 ng/ml
Ketamine	4.035	4563009	592583.48	32.0	17991.14	256899	755.3770 ng/ml
Lorazepam	5.740	481902	18693.09	59.3	2203.80	43935	943.3602 ng/ml
Methamphetamine	3.229	13637171	83726.11	34.3	45188.95	655483	839.2795 ng/ml
Metoprolol	4.313	1502158	1254304.03	109.5	91843.81	719013	808.5195 ng/ml
Mitragynine	5.225	2253097	121012.50	33.8	570729.23	391928	955.2717 ng/ml
Norbuprenorphine	4.985	36354	142101.27	96.8	286.91	18333	103.7223 ng/ml
Norfentanyl	4.076	746261	141012.48	38.0	6185.56	247453	131.8241 ng/ml
Noroxycodone	2.914	1285130	3874.01	54.8	359.09	46075	968.5354 ng/ml
Oxycodone	2.838	4206136	4395.22	32.0	2347.41	180599	949.8239 ng/ml
Trazodone	5.136	11917920	169061.69	70.7	370572.22	472352	773.1001 ng/ml