

WLB

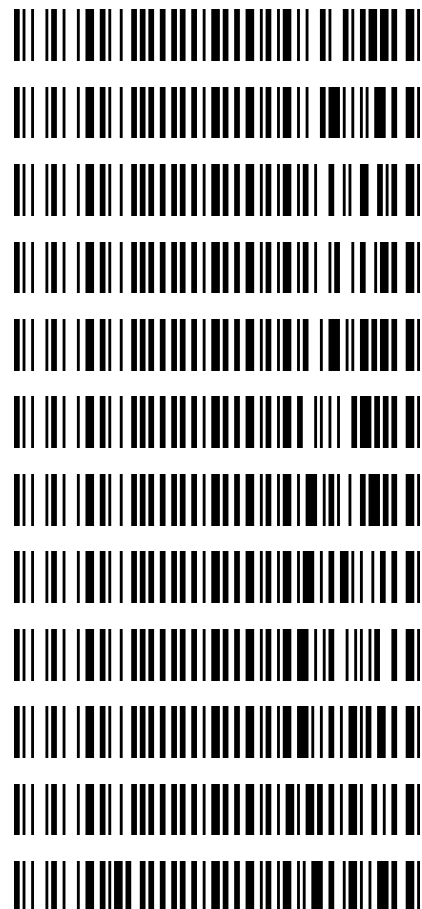
12/11/2024

Worklist: 6996

REVIEWED

By Brittany Wylie at 9:35 am, Dec 13, 2024

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
C2024-2212	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2024-2240	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2024-2261	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2024-2262	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2024-2266	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2024-2292	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2024-2306	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2024-2322	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2024-2328	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2024-2341	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2024-2356	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
M2024-5047	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-



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

Extraction Date: 12/10/2024

Plate lot 240923

Mobile phase A: 5mM Amm Form + 0.01% FA

Blank Blood Lot: 24C52044

Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

Analyst: Mikel Buffaloe

Plate Retest Date: 3/23/2025

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Urine Lot: 1224

LCMS-QQQ ID: 69679

Pre-Analytic:

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

Analytic:

- ☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- ☒ 2. Using a calibrated pipette, pipette **250µL blood and urine** (if applicable) into wells of analytical (standards) plate. **Pipette ID: 390993** **Urine Hydrolysis: add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes**
- ☒ 3. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- ☒ 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☒ 5. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate. Amount transferred: *250*
- ☒ 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right).**
- ☒ 7. Wait 5 minutes.
- ☒ 8. Add **900uL ethyl acetate.**
- ☒ 9. Wait 5 minutes.
- ☒ 10. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- ☒ 11. Add **900uL ethyl acetate.**
- ☒ 12. Wait 5 minutes.
- ☒ 13. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- ☒ 14. Remove plate containing eluate. Place on SPE Dry 75401 and evaporate to dryness at approx. 35°C. ☒ **If run contains urine or at the analyst's discretion, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).**
- ☒ 15. Reconstitute in **100µL 20% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- ☒ 1. Create batch and process data.
- ☒ 2. Make necessary changes to integration limits
- ☒ 3. Integration linear and R² values ≥0.98 for each analyte.
- ☒ 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- ☒ 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- ☒ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS:

Compounds evaluated

limitations

Alprazolam	
Amphetamine	5-100 cal 6, 7, and 8 dropped for accuracy; Qualitative
Bromazolam	
Buprenorphine	0.5-25 cal 7 and 8 dropped for accuracy, QC 10 accuracy out; Qualitative below 10
Citalopram	
Fentanyl	
Fluoxetine	
MDA	5-500 cal 8 dropped for accuracy

NAB

MDMA	QC 100 accuracy out; Qualitative
Methamphetamine	5-250 cal 7 and 8 dropped for accuracy
Morphine	Used for urine screen for M2024-5047-2, QC 100 accuracy out; Qualitative
Norbuprenorphine	
Norfentanyl	
O-desmethyltramadol	
Tramadol	
Xylazine	

Supervised casework by AMN

WAB

	1	2	3	4	5 mixing 1 SLE & Injection	6 mixing 2 SLE & Injection	7 mixing 3 SLE & Injection	8 mixing 4 SLE & Injection	9	10	11	12
A					IS + Cal. 1	IS + QC_1	2240-1	2341-1				
B					IS + Cal. 2	IS + QC_2	2261-1	2356-1				
C					IS + Cal. 3	IS + QC 3	2262-1	neg urine				
D					IS + Cal. 4	IS + QC_4	2266-1	M2024- 5047-2				
E					IS + Cal. 5	IS + QC_2	2292-1					
F					IS + Cal. 6	neg blood	2306-2					
G					IS + Cal. 7	2212-4	2322-1					
H					IS + Cal. 8		2328-2					

blank in front

plate position 2

c2024-____-__

MB

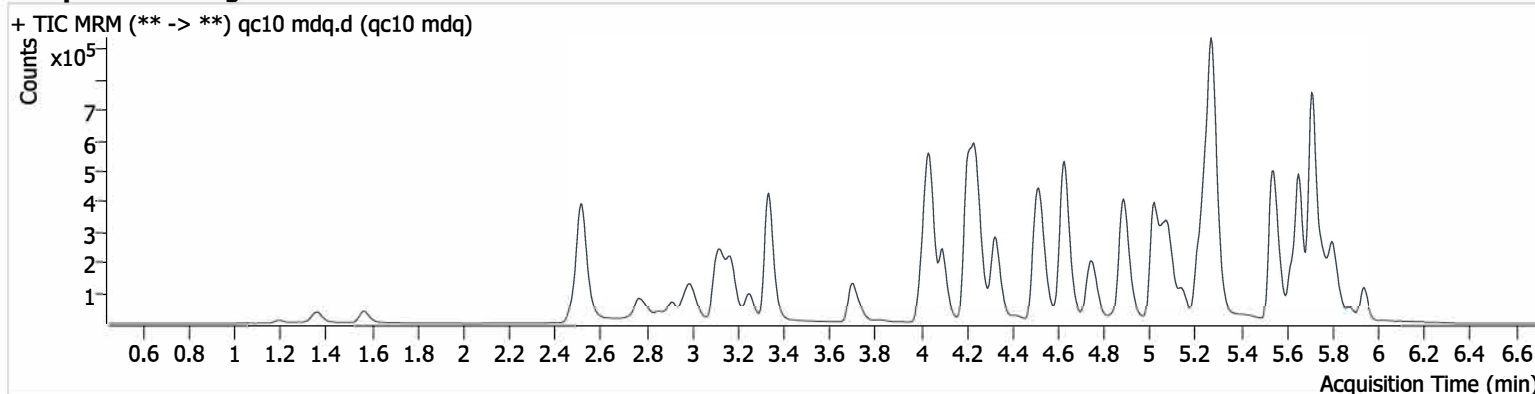
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-A2
Injection Volume 3
Acq. Date-Time 12/10/2024 5:13:23 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.757	62549	21762.7	90.15	16780.5	203118	10.402 ng/ml
Amphetamine	2.996	66416	3874.2	247.53	∞	182960	11.119 ng/ml
Bromazolam	5.797	22093	1606.4	103.50	412.8	86127	10.268 ng/ml
Buprenorphine	5.832	7403	1056.2	13.07	1518.3	91428	0.968 ng/ml
Citalopram	5.212	107676	3259.3	41.27	34903.9	450270	10.524 ng/ml
Fentanyl	5.073	11014	∞	141.32	38413.7	550661	1.053 ng/ml
Fluoxetine	5.710	94793	1310.9	7.32	4978.0	302746	11.156 ng/ml
MDA	3.158	92269	3234.3	33.85	1138.8	279543	10.983 ng/ml
MDMA	3.255	92423	9589.4	88.93	1652.5	86612	9.875 ng/ml
Methamphetamine	3.174	229585	∞	37.54	8844.5	567676	9.961 ng/ml
Morphine	1.201	4423	885.6	21.27	88.6	4909	10.116 ng/ml
Norbuprenorphine	4.974	702	88.4	108.64	327.9	10973	1.133 ng/ml
Norfentanyl	4.053	1827	81.6	341.00	871.0	620800	1.011 ng/ml
O-desmethyl-tramadol	3.340	220204	5103.1	6.79	2115.7	969728	10.287 ng/ml
Tramadol	4.215	213330	26366.4	3.98	1614.1	1038759	10.560 ng/ml
Xylazine	4.043	14711	271.5	140.11	328.4	287779	10.224 ng/ml

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AM #28 Multi-Drug Quant. Results

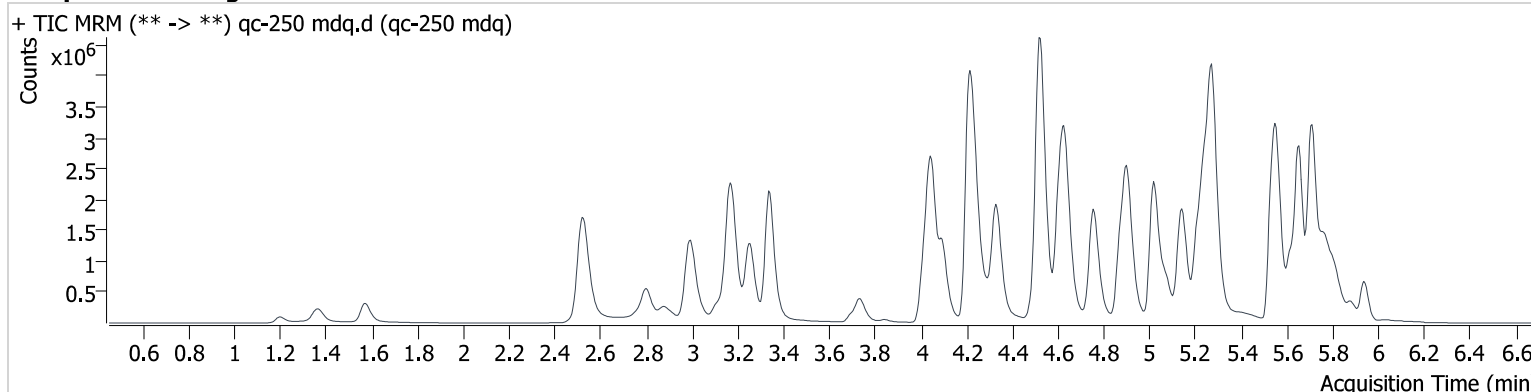
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Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
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Sample Position P2-C2
Injection Volume 3
Acq. Date-Time 12/10/2024 5:22:04 PM
Sample Info.

Data File qc-250 mdq.d
Sample qc-250 mdq
Operator Mikel Buffaloe
Comment

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.762	1083398	∞	88.73	23421.6	142827	247.253 ng/ml
Amphetamine	2.996	1028060	66665.8	247.80	316454.7	176728	188.892 ng/ml
Bromazolam	5.797	327571	3729.3	94.58	5758.3	52981	248.052 ng/ml
Buprenorphine	5.832	182601	∞	14.70	45585.6	65362	29.474 ng/ml
Citalopram	5.212	1939756	106525.8	42.14	1399252.1	317503	262.120 ng/ml
Fentanyl	5.073	281052	49678.3	139.12	∞	557832	23.146 ng/ml
Fluoxetine	5.710	1491957	507628.4	7.02	158138.8	216637	245.942 ng/ml
MDA	3.148	1342466	48534.9	31.61	7345.6	201201	239.754 ng/ml
MDMA	3.255	1915578	1004314.3	92.06	237850.4	73690	248.572 ng/ml
Methamphetamine	3.174	3365379	∞	37.74	260217.3	568313	214.892 ng/ml
Morphine	1.201	95050	95965.7	24.38	2103.4	4552	231.760 ng/ml
Norbuprenorphine	4.974	15334	1665.5	95.67	4516.7	10945	27.154 ng/ml
Norfentanyl	4.059	26397	11030.7	317.25	9300.1	335101	23.903 ng/ml
O-desmethyl-tramadol	3.335	4928538	491559.6	6.41	24056.5	878890	252.067 ng/ml
Tramadol	4.210	4385852	∞	3.85	∞	903465	261.424 ng/ml
Xylazine	4.038	304455	1288.5	138.60	1206.3	246562	251.183 ng/ml

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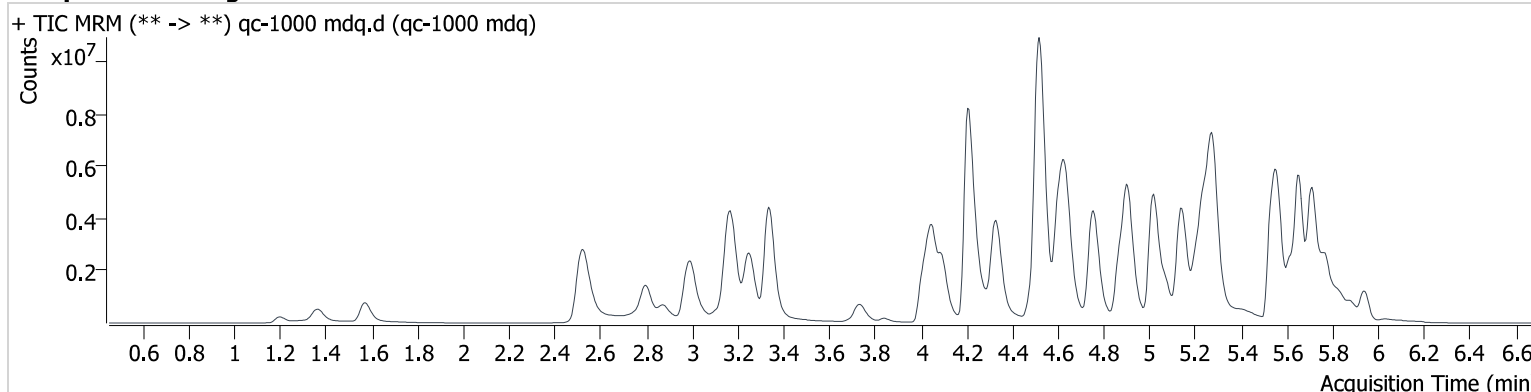
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
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Sample Position P2-D2
Injection Volume 3
Acq. Date-Time 12/10/2024 5:30:46 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.762	1918558	∞	89.14	∞	63194	988.470 ng/ml
Amphetamine	2.996	1875892	130041.1	240.94	∞	139622	437.202 ng/ml
Bromazolam	5.797	544884	∞	98.39	∞	23044	948.690 ng/ml
Buprenorphine	5.832	469905	190704.4	14.43	42677.5	32263	153.168 ng/ml
Citalopram	5.206	3289207	400203.2	44.74	∞	141106	999.337 ng/ml
Fentanyl	5.073	944134	∞	142.20	2007134.1	429482	100.522 ng/ml
Fluoxetine	5.710	2765775	1503262.5	7.09	497557.3	100794	979.996 ng/ml
MDA	3.143	2269475	210483.9	30.87	128439.6	121413	673.328 ng/ml
MDMA	3.249	4463908	1974878.6	88.22	637600.2	46251	923.829 ng/ml
Methamphetamine	3.169	7777824	507642.0	36.47	435145.3	503396	568.834 ng/ml
Morphine	1.196	293648	51735.6	21.58	5272.2	3377	964.856 ng/ml
Norbuprenorphine	4.969	46335	6303.7	97.39	14196.0	8456	106.526 ng/ml
Norfentanyl	4.059	39405	6004.3	328.30	15692.6	106268	112.065 ng/ml
O-desmethyl-tramadol	3.335	13040960	1686043.3	6.20	182653.3	588682	995.530 ng/ml
Tramadol	4.205	9685943	8052.4	3.70	12666.8	620644	841.586 ng/ml
Xylazine	4.033	713934	18338.4	136.34	9144.0	159442	911.332 ng/ml

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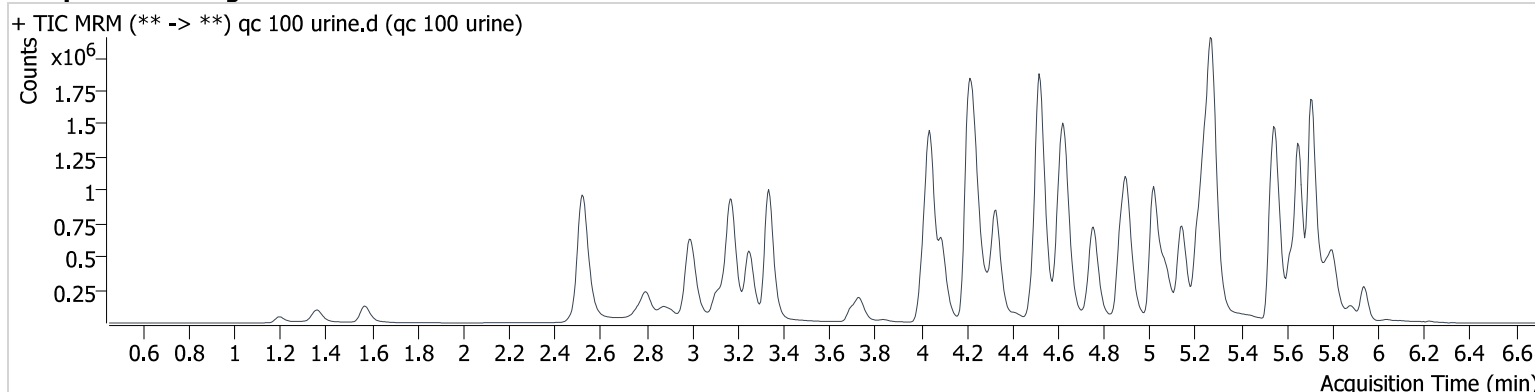
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-E2
Injection Volume 3
Acq. Date-Time 12/10/2024 5:39:29 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.762	256216	∞	87.40	∞	80311	104.210 ng/ml
Amphetamine	2.996	459354	16792.4	243.63	57240.5	158962	93.473 ng/ml
Bromazolam	5.797	102551	4757.2	106.64	1060.6	42630	96.498 ng/ml
Buprenorphine	5.832	26865	43561.1	14.95	32691.8	35267	8.122 ng/ml
Citalopram	5.212	812127	53695.1	40.39	20798.0	337629	103.368 ng/ml
Fentanyl	5.073	99852	6882.9	143.59	4927.3	510907	9.064 ng/ml
Fluoxetine	5.710	847449	28357.4	6.77	∞	295140	102.525 ng/ml
MDA	3.153	586838	20416.0	33.67	∞	197237	106.400 ng/ml
MDMA	3.249	759098	73020.3	90.26	121867.9	70205	103.192 ng/ml
Methamphetamine	3.174	1245936	93575.2	37.82	150047.4	460184	95.504 ng/ml
Morphine	1.196	47470	6344.4	19.43	2007.6	4850	108.714 ng/ml
Norbuprenorphine	4.969	6386	608.0	95.53	1944.5	10644	11.565 ng/ml
Norfentanyl	4.053	12528	1990.8	309.42	2848.5	417078	9.190 ng/ml
O-desmethyl-tramadol	3.335	1848953	77949.5	6.64	24113.8	818376	101.606 ng/ml
Tramadol	4.210	1685810	∞	4.04	418227.8	884849	102.282 ng/ml
Xylazine	4.038	118171	503.3	140.95	427.2	233185	102.980 ng/ml

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AM #28 Multi-Drug Quant. Results

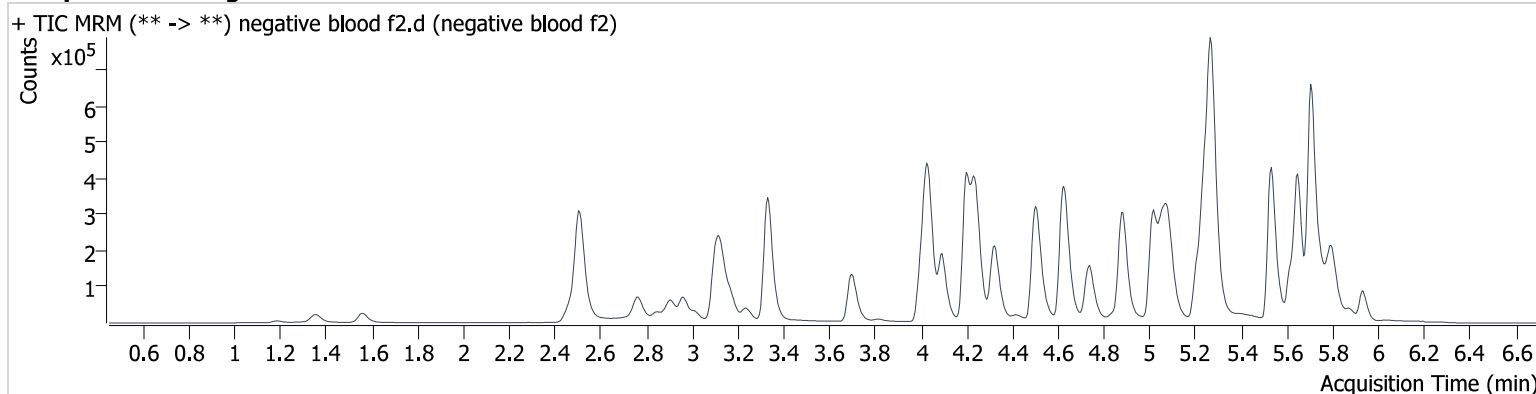
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Sample Position P2-F2
Injection Volume 3
Acq. Date-Time 12/10/2024 5:56:55 PM
Sample Info.

Data File negative blood f2.d
Sample negative blood f2
Operator Mikel Buffaloe
Comment

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

Sample Chromatogram



MB

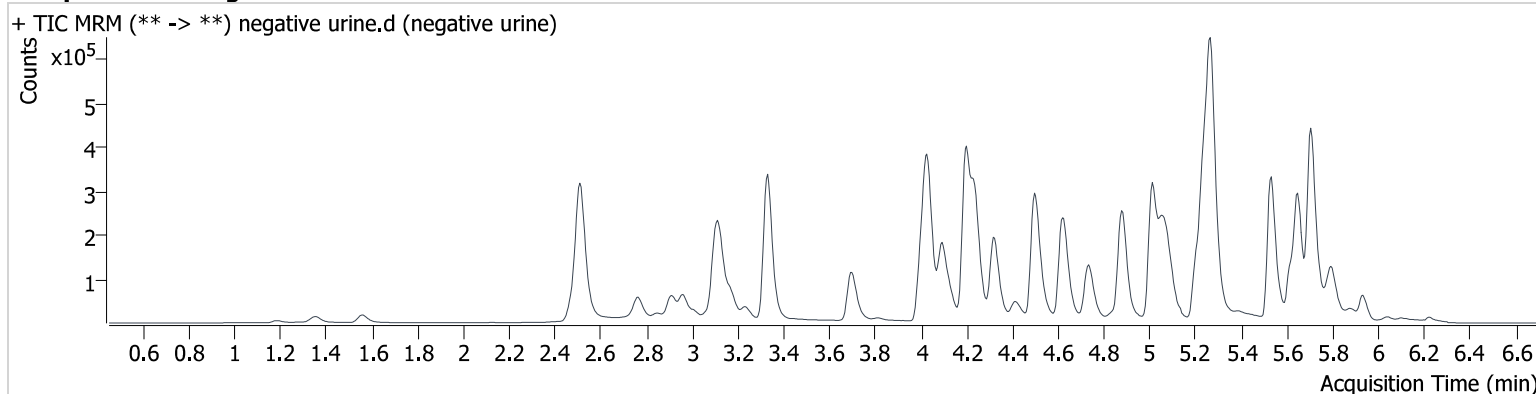
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type Sample
Acq. Method mdqp1 121523.m
Sample Position P2-C4
Injection Volume 3
Acq. Date-Time 12/10/2024 9:17:21 PM
Sample Info.

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

Sample Chromatogram



MB

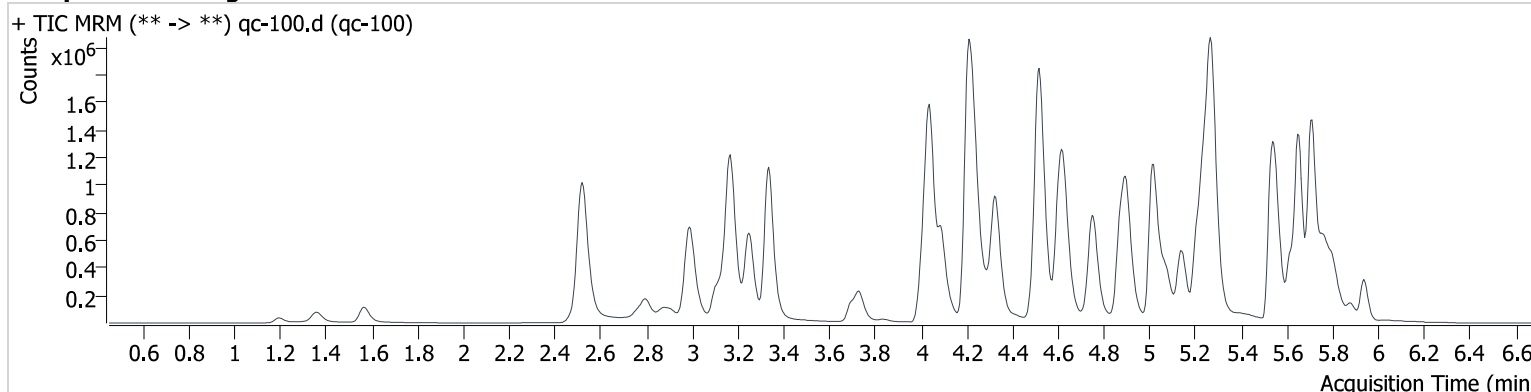
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type QC
Acq. Method mdqp1 121523.m
Sample Position P2-B2
Injection Volume 3
Acq. Date-Time 12/10/2024 9:43:29 PM
Sample Info.

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

Sample Chromatogram



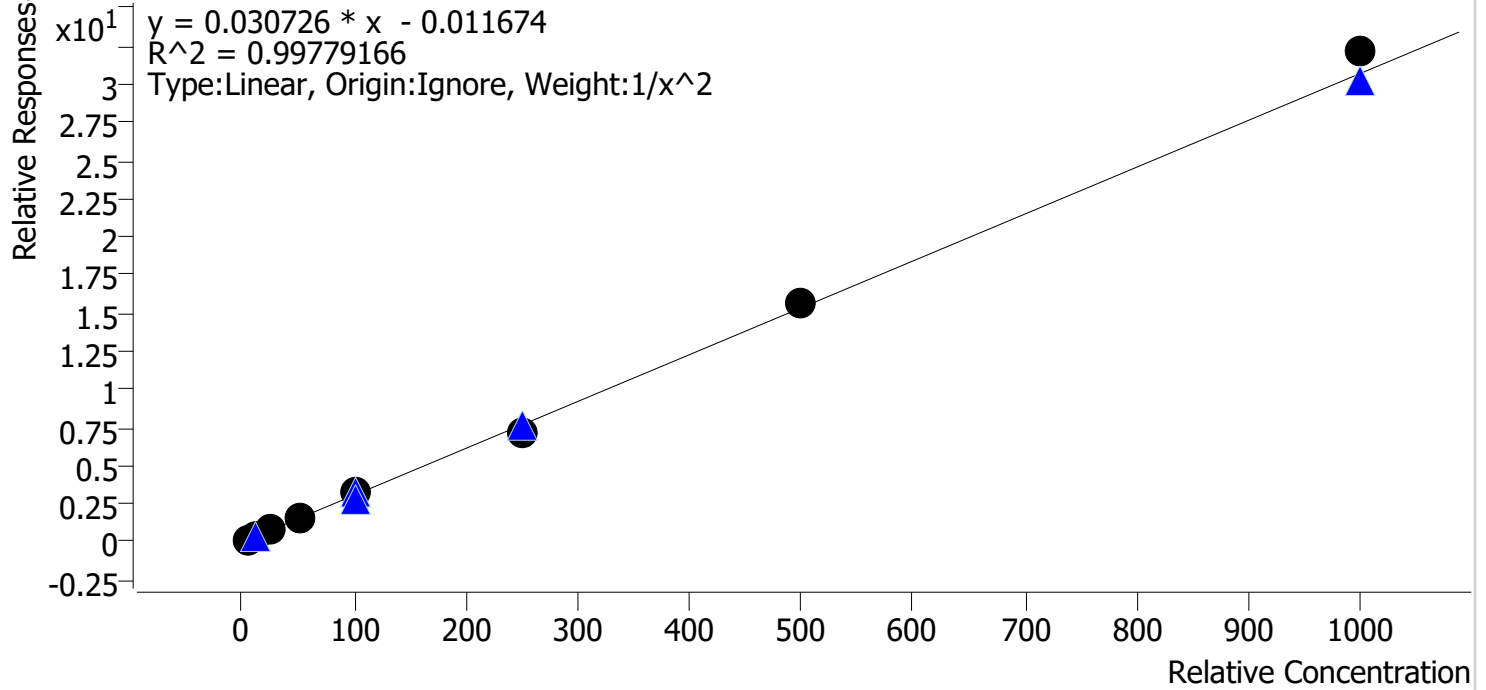
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.762	425949	∞	93.88	13192.0	154718	89.981 ng/ml
Amphetamine	2.990	545029	95265.8	236.94	107056.2	182663	96.540 ng/ml
Bromazolam	5.797	151600	∞	100.19	2973.6	43783	138.902 ng/ml
Buprenorphine	5.837	38701	3719.1	15.72	9483.7	53219	7.759 ng/ml
Citalopram	5.207	826137	320845.4	35.91	∞	398196	89.195 ng/ml
Fentanyl	5.073	110026	2599908.8	131.36	257961.7	429192	11.846 ng/ml
Fluoxetine	5.710	723741	14481.9	6.36	259619.4	237132	108.979 ng/ml
MDA	3.148	711245	43990.2	32.93	∞	241656	105.242 ng/ml
MDMA	3.249	950363	208687.9	86.29	103936.4	71993	126.061 ng/ml
Methamphetamine	3.169	1691696	∞	36.10	670612.3	603671	99.028 ng/ml
Morphine	1.196	33818	5094.8	20.73	1493.9	4809	78.136 ng/ml
Norbuprenorphine	4.969	3068	535.4	82.80	536.2	6033	9.784 ng/ml
Norfentanyl	4.053	13090	1966.2	299.51	∞	438918	9.126 ng/ml
O-desmethyl-tramadol	3.335	2089883	175442.8	7.03	54669.3	944827	99.477 ng/ml
Tramadol	4.210	1939677	10692.8	4.31	1832.7	986706	105.553 ng/ml
Xylazine	4.038	130669	1793.5	132.72	509.2	263014	100.953 ng/ml

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



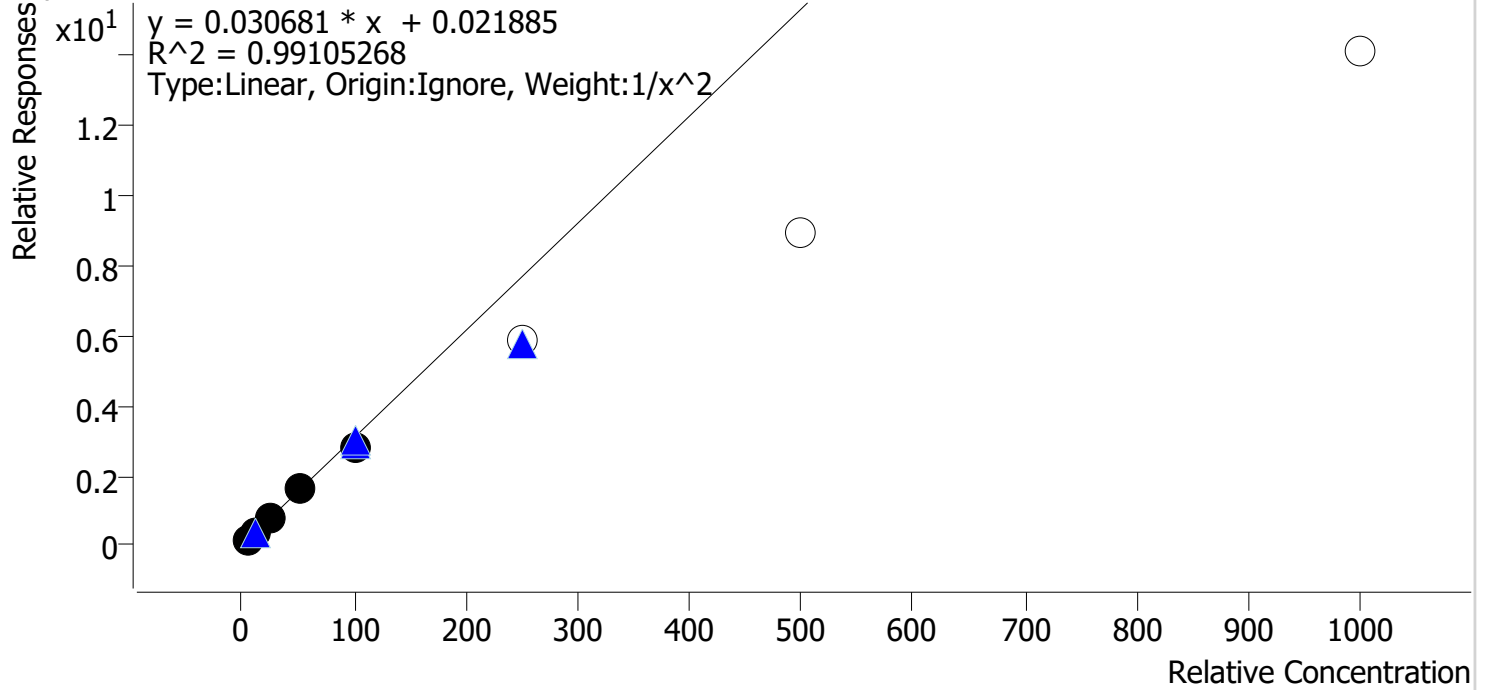
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.9
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	48.3	96.5
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	229.6	91.9
cal 7 mdq	7	✓	500.0	513.2	102.6
cal 8 mdq	8	✓	1000.0	1046.8	104.7

Compound Calibration Report

MB

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 5 QCs



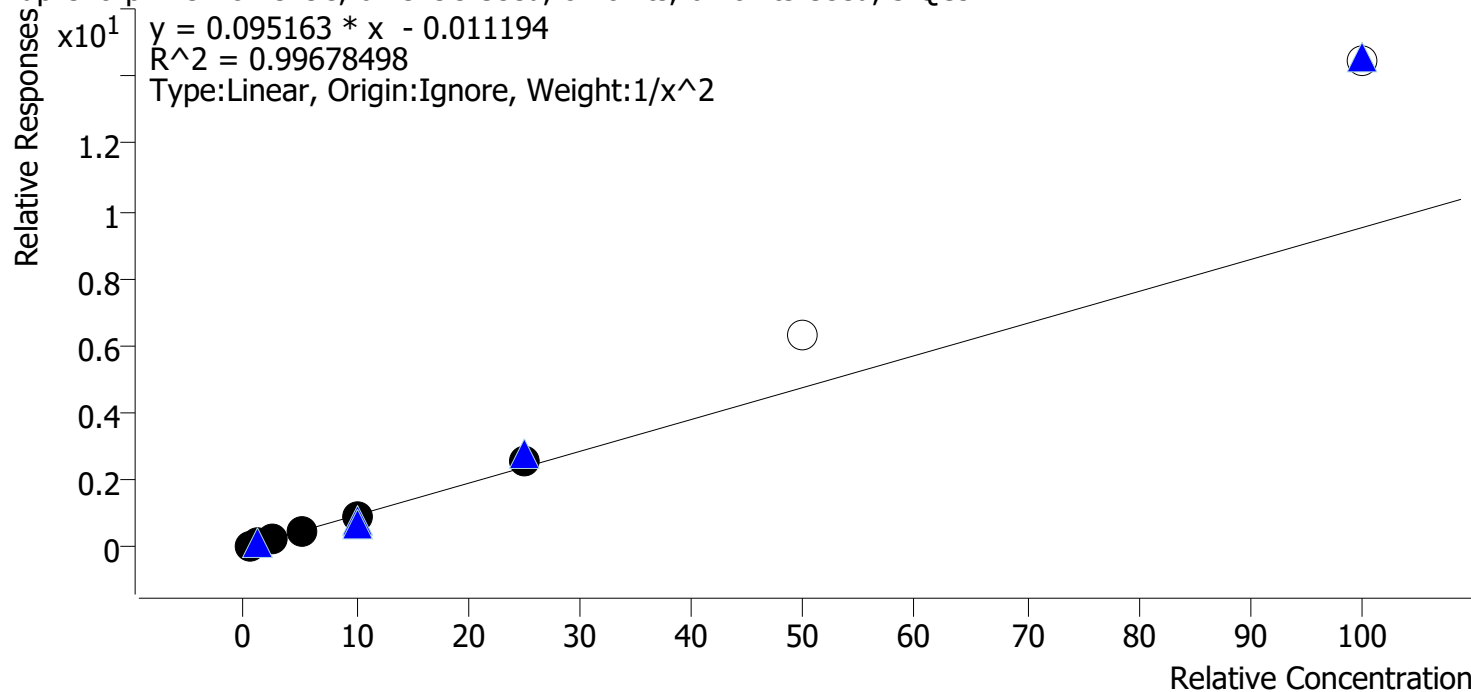
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.3
cal 2 mdq	2	✓	10.0	10.8	108.1
cal 3 mdq	3	✓	25.0	26.1	104.4
cal 4 mdq	4	✓	50.0	51.1	102.2
cal 5 mdq	5	✓	100.0	89.9	89.9
cal 6 mdq	6	✗	250.0	189.7	75.9
cal 7 mdq	7	✗	500.0	291.4	58.3
cal 8 mdq	8	✗	1000.0	460.1	46.0

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

Buprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 5 QCs



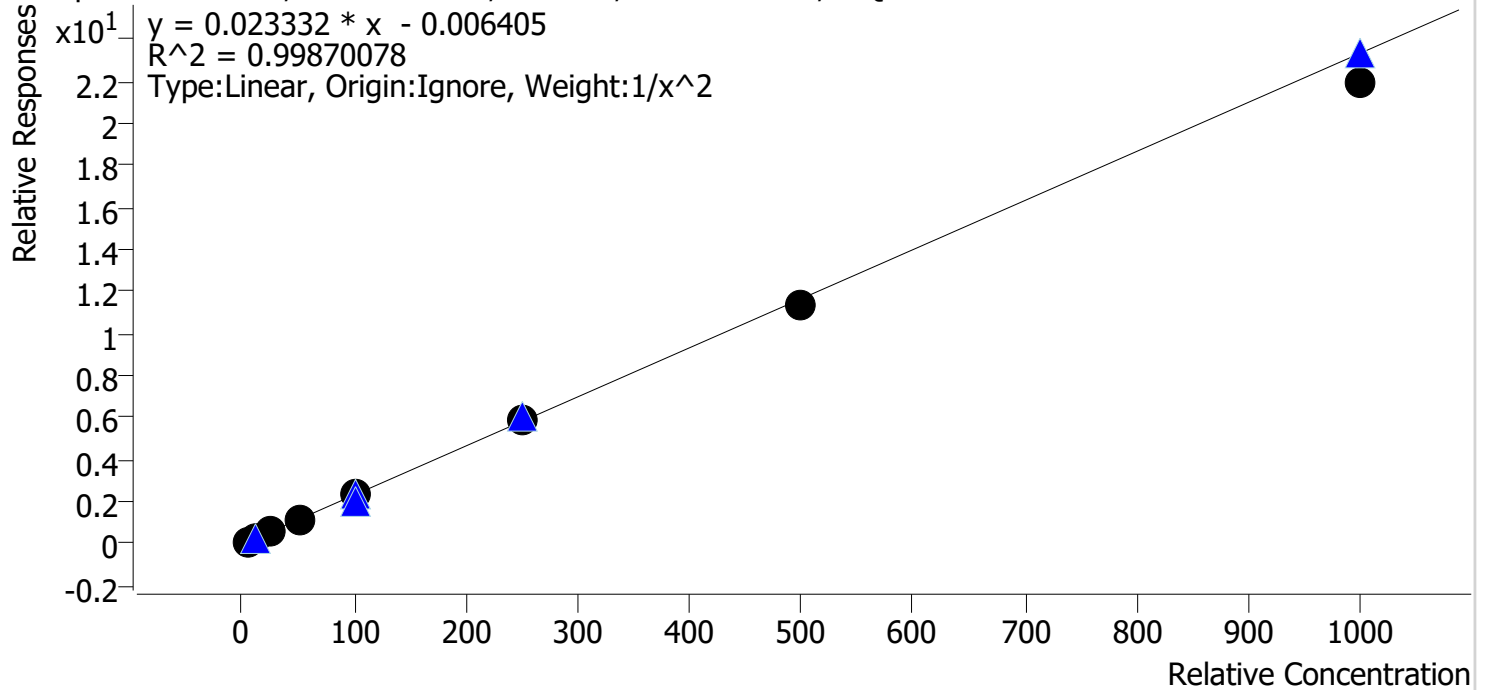
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	100.8
cal 2 mdq	2	✓	1.0	1.0	100.8
cal 3 mdq	3	✓	2.5	2.4	95.3
cal 4 mdq	4	✓	5.0	4.8	96.1
cal 5 mdq	5	✓	10.0	9.9	98.8
cal 6 mdq	6	✓	25.0	27.0	108.2
cal 7 mdq	7	✗	50.0	66.3	132.6
cal 8 mdq	8	✗	100.0	152.4	152.4

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



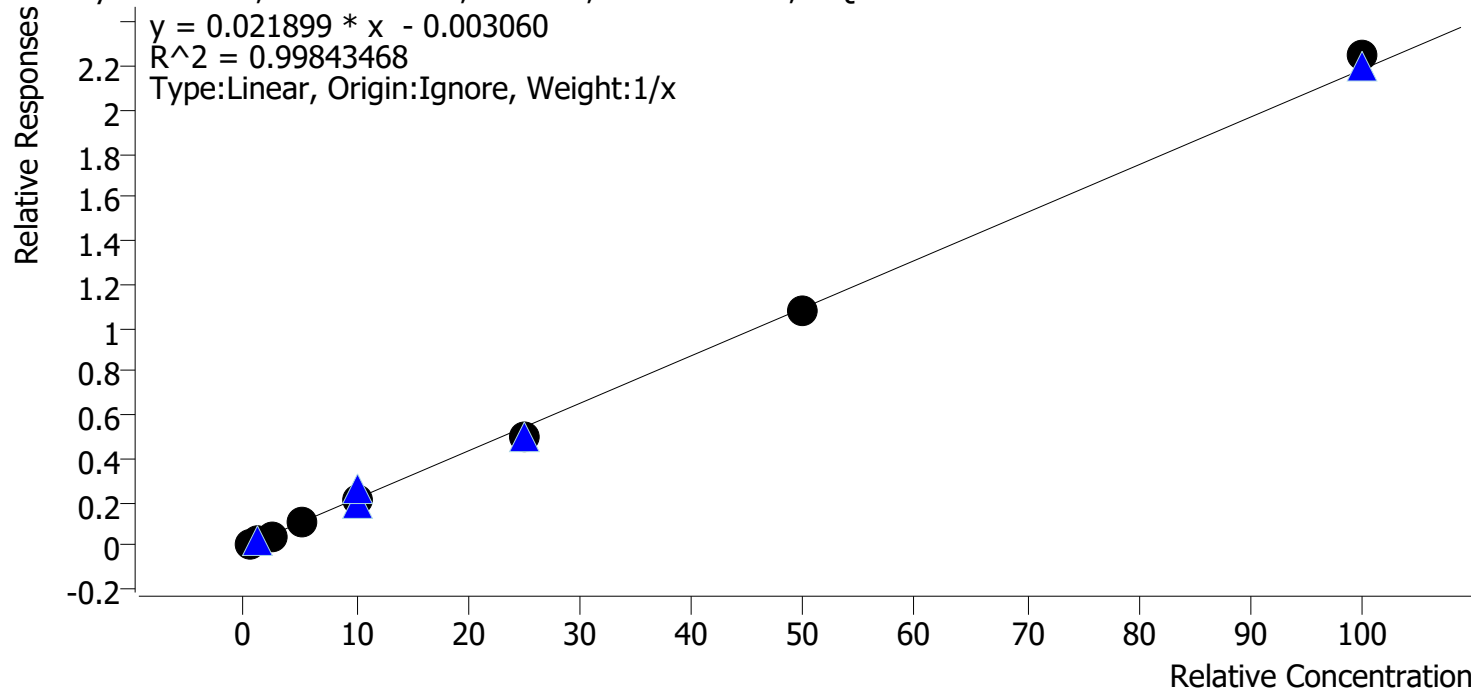
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	25.1	100.2
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdq	6	✓	250.0	253.4	101.4
cal 7 mdq	7	✓	500.0	490.5	98.1
cal 8 mdq	8	✓	1000.0	940.3	94.0

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



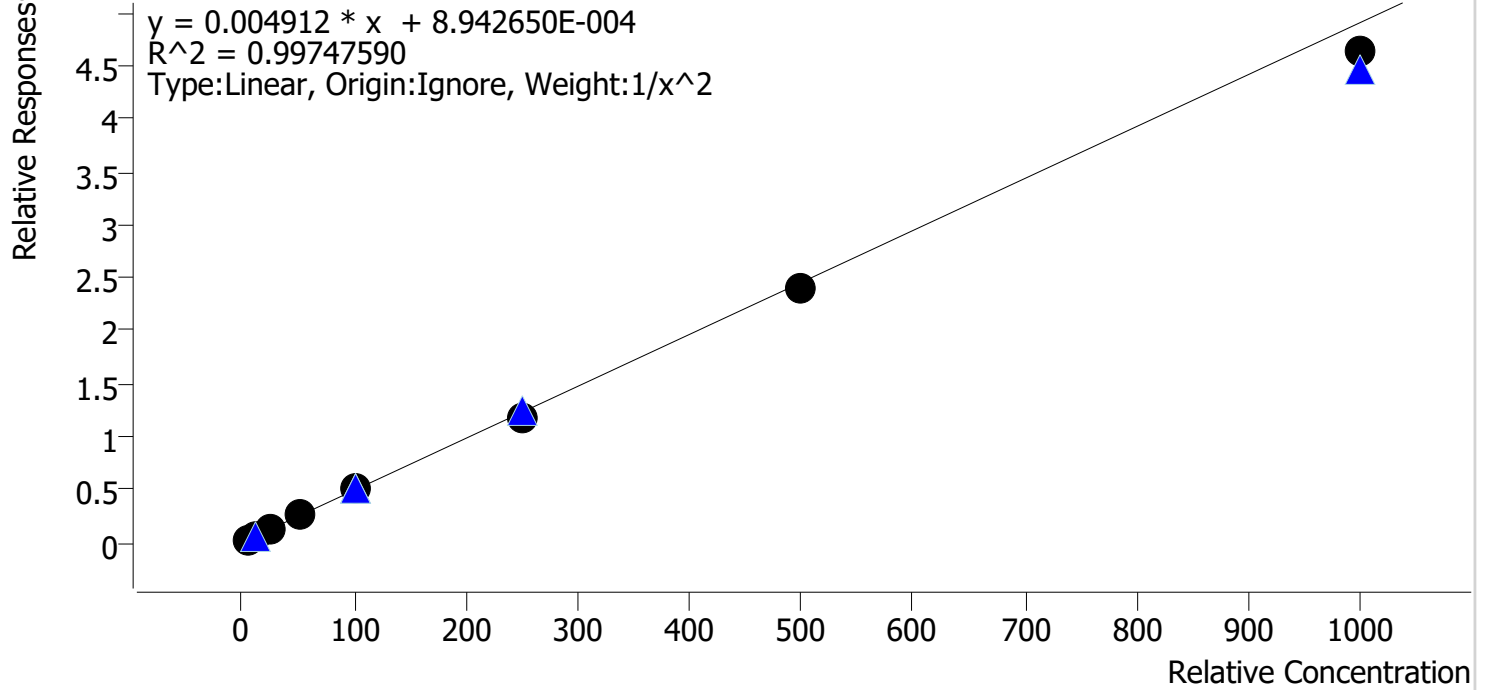
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.6	115.3
cal 2 mdq	2	✓	1.0	1.1	106.1
cal 3 mdq	3	✓	2.5	2.4	94.6
cal 4 mdq	4	✓	5.0	4.7	94.6
cal 5 mdq	5	✓	10.0	9.4	94.1
cal 6 mdq	6	✓	25.0	23.3	93.1
cal 7 mdq	7	✓	50.0	49.7	99.3
cal 8 mdq	8	✓	100.0	102.9	102.9

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Xylazine **Internal Standard** Xylazine - D6

Xylazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



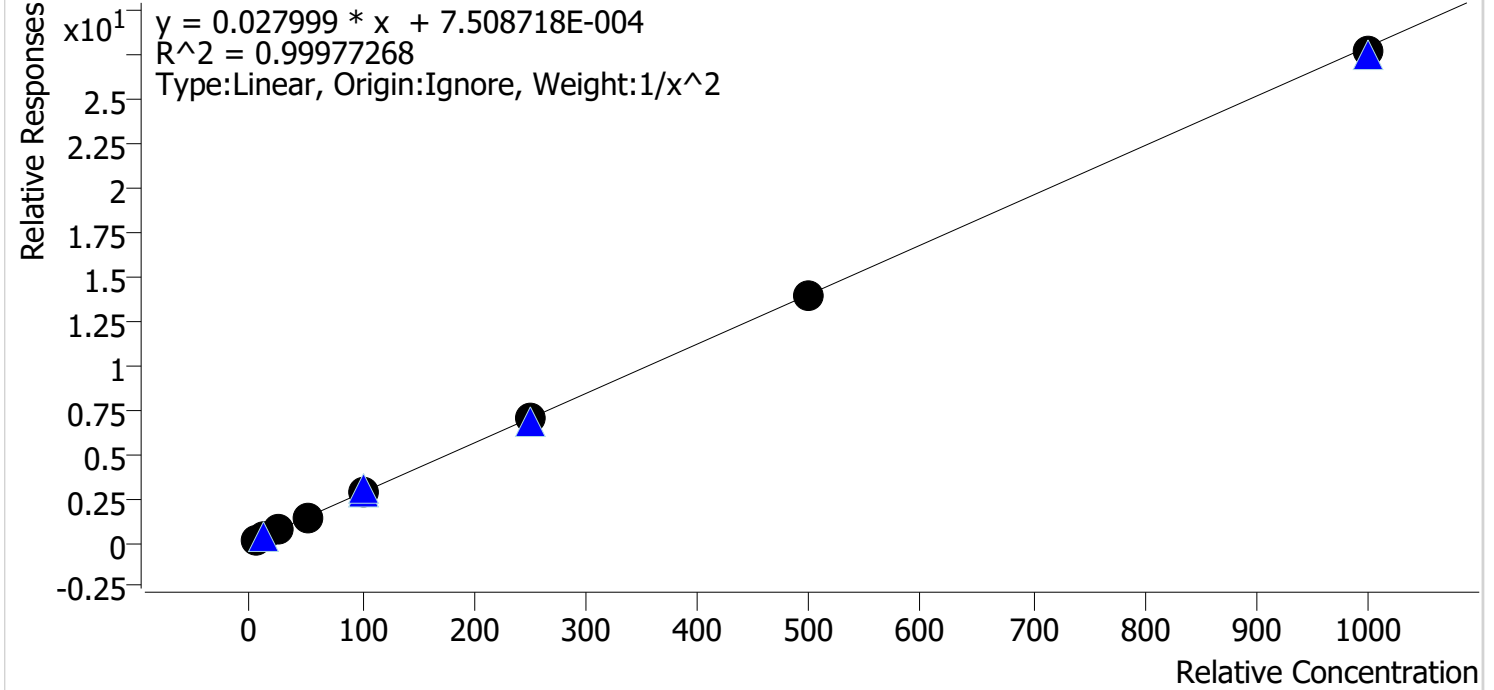
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.6
cal 2 mdq	2	✓	10.0	10.4	103.7
cal 3 mdq	3	✓	25.0	26.5	105.8
cal 4 mdq	4	✓	50.0	52.3	104.6
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	239.7	95.9
cal 7 mdq	7	✓	500.0	489.5	97.9
cal 8 mdq	8	✓	1000.0	944.2	94.4

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



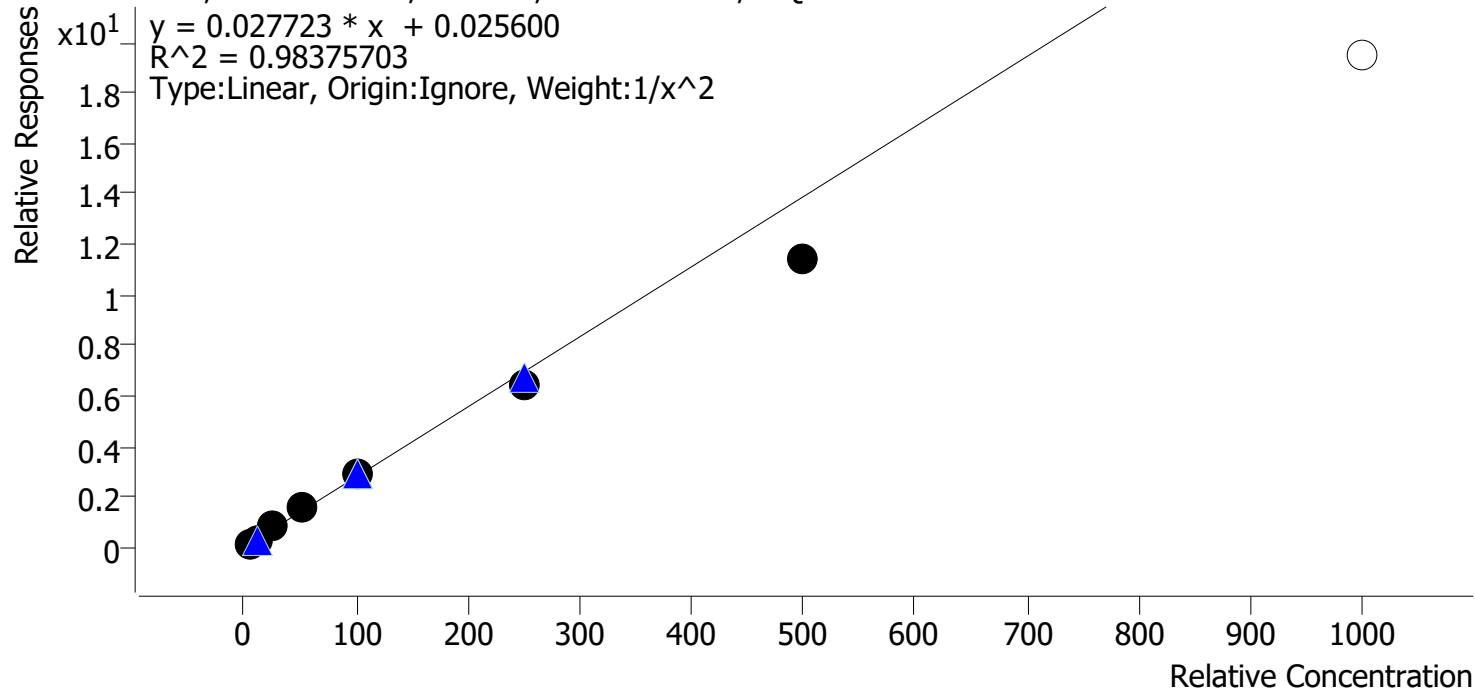
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	25.6	102.4
cal 4 mdq	4	✓	50.0	50.8	101.7
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	249.3	99.7
cal 7 mdq	7	✓	500.0	495.3	99.1
cal 8 mdq	8	✓	1000.0	989.9	99.0

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

MDA - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



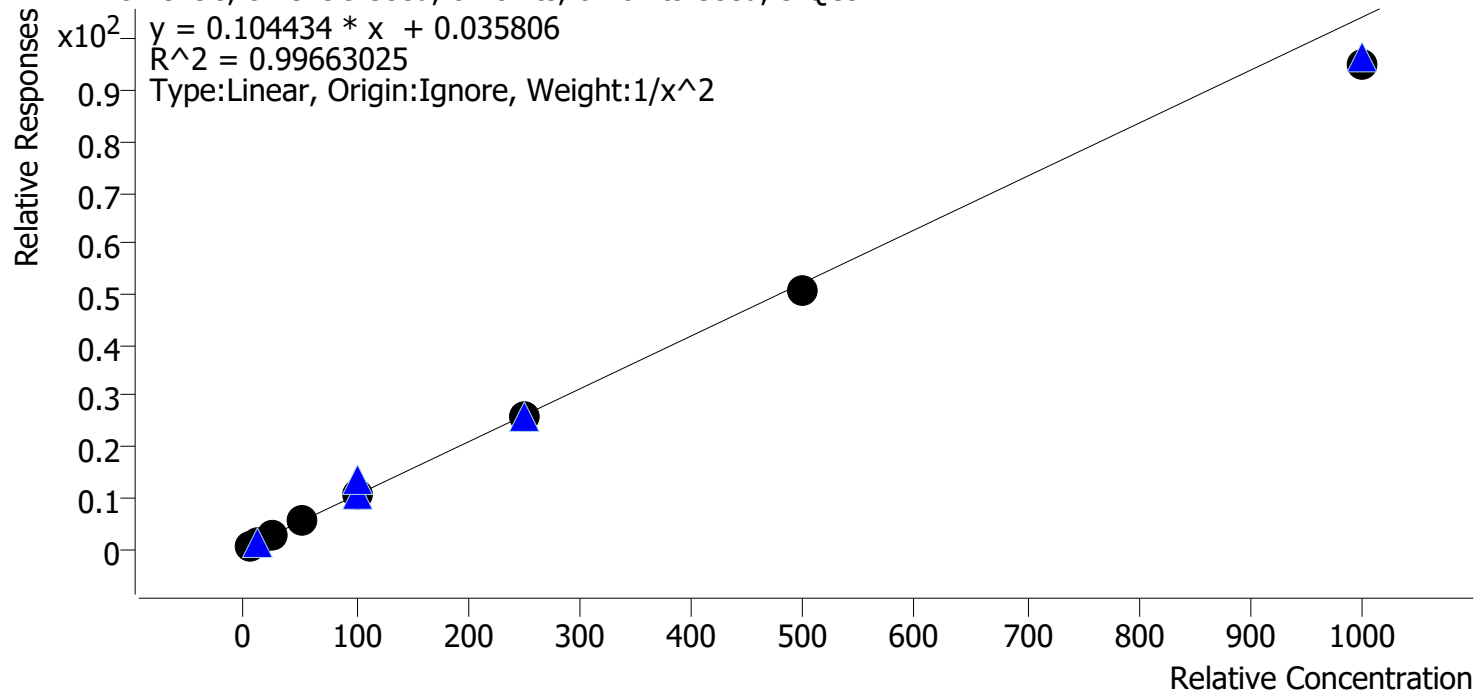
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.5
cal 2 mdq	2	✓	10.0	10.7	106.9
cal 3 mdq	3	✓	25.0	27.9	111.5
cal 4 mdq	4	✓	50.0	54.5	109.0
cal 5 mdq	5	✓	100.0	104.9	104.9
cal 6 mdq	6	✓	250.0	230.2	92.1
cal 7 mdq	7	✓	500.0	411.0	82.2
cal 8 mdq	8	✗	1000.0	701.4	70.1

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

MDMA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



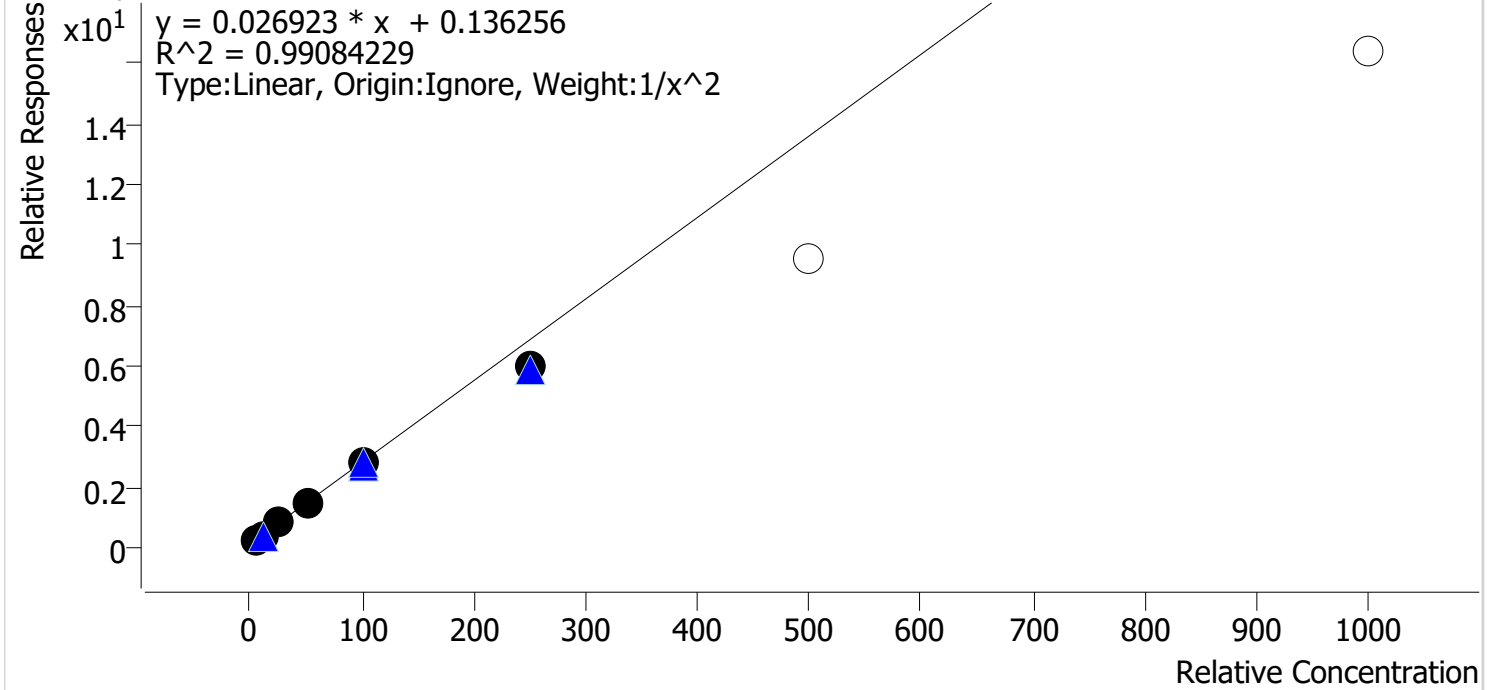
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.1
cal 2 mdq	2	✓	10.0	10.5	104.8
cal 3 mdq	3	✓	25.0	26.3	105.1
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	249.9	100.0
cal 7 mdq	7	✓	500.0	483.3	96.7
cal 8 mdq	8	✓	1000.0	912.2	91.2

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

Methamphetamine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 5 QCs



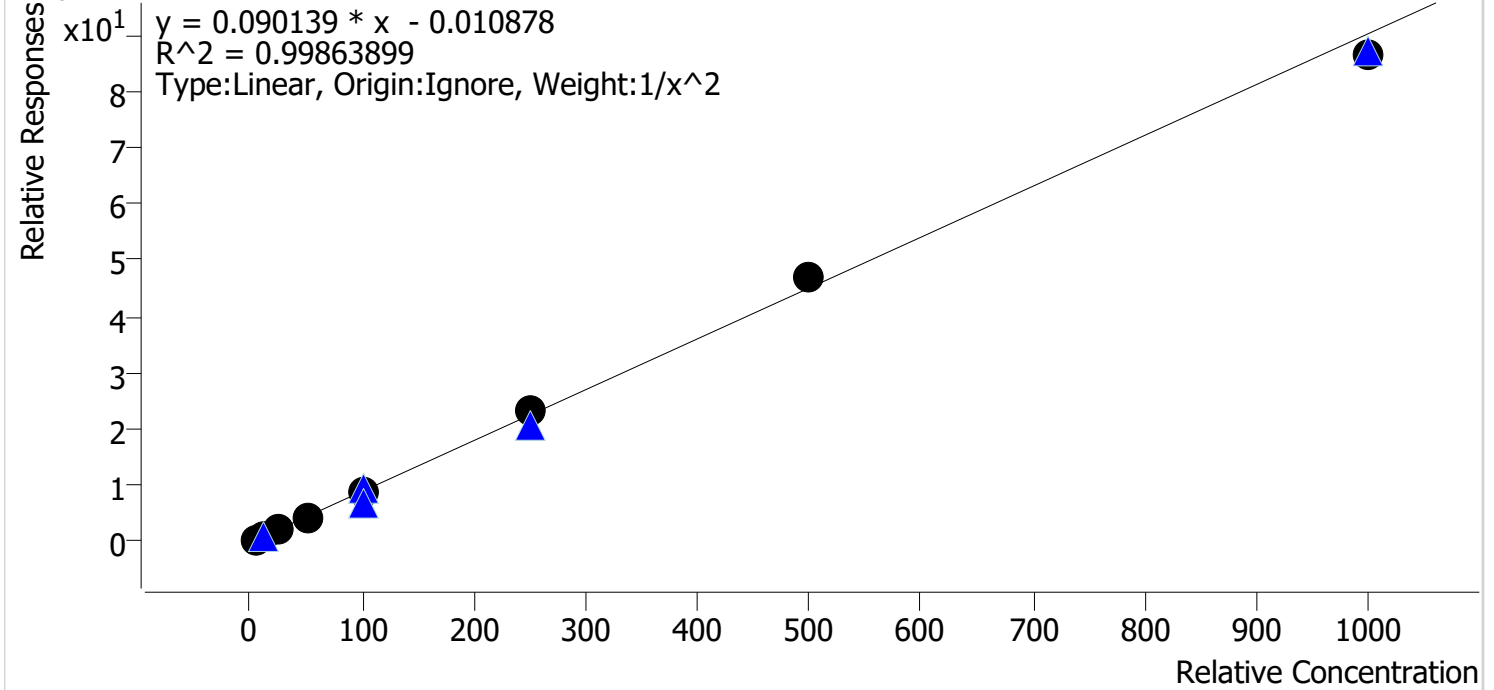
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.1
cal 2 mdq	2	✓	10.0	10.7	107.0
cal 3 mdq	3	✓	25.0	26.7	106.7
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdq	6	✓	250.0	216.8	86.7
cal 7 mdq	7	x	500.0	349.4	69.9
cal 8 mdq	8	x	1000.0	603.3	60.3

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



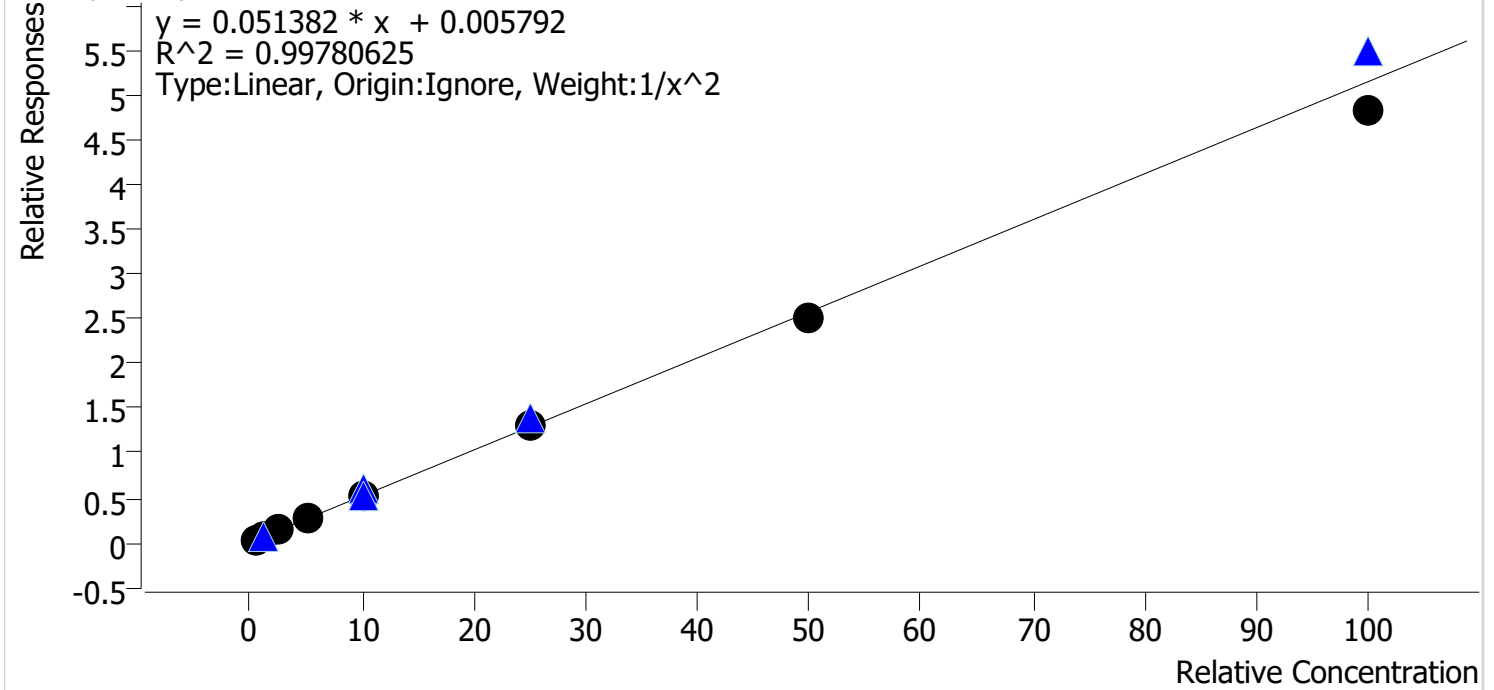
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	24.9	99.8
cal 4 mdq	4	✓	50.0	49.5	98.9
cal 5 mdq	5	✓	100.0	95.8	95.8
cal 6 mdq	6	✓	250.0	260.3	104.1
cal 7 mdq	7	✓	500.0	520.3	104.1
cal 8 mdq	8	✓	1000.0	961.2	96.1

Compound Calibration Report

NAB

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



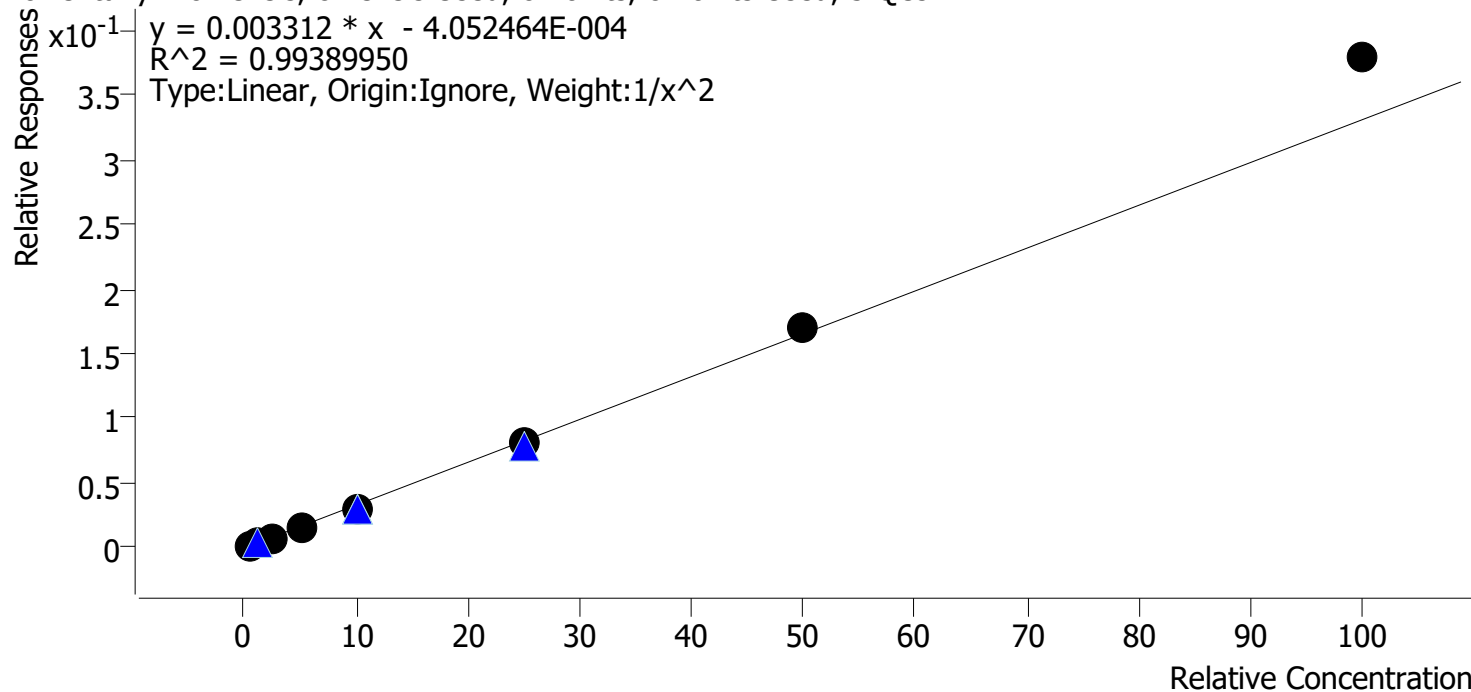
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	100.4
cal 2 mdq	2	✓	1.0	1.0	96.6
cal 3 mdq	3	✓	2.5	2.7	106.1
cal 4 mdq	4	✓	5.0	4.9	98.9
cal 5 mdq	5	✓	10.0	10.4	104.3
cal 6 mdq	6	✓	25.0	25.5	102.0
cal 7 mdq	7	✓	50.0	49.0	98.0
cal 8 mdq	8	✓	100.0	93.7	93.7

Compound Calibration Report

Web

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

Norfentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



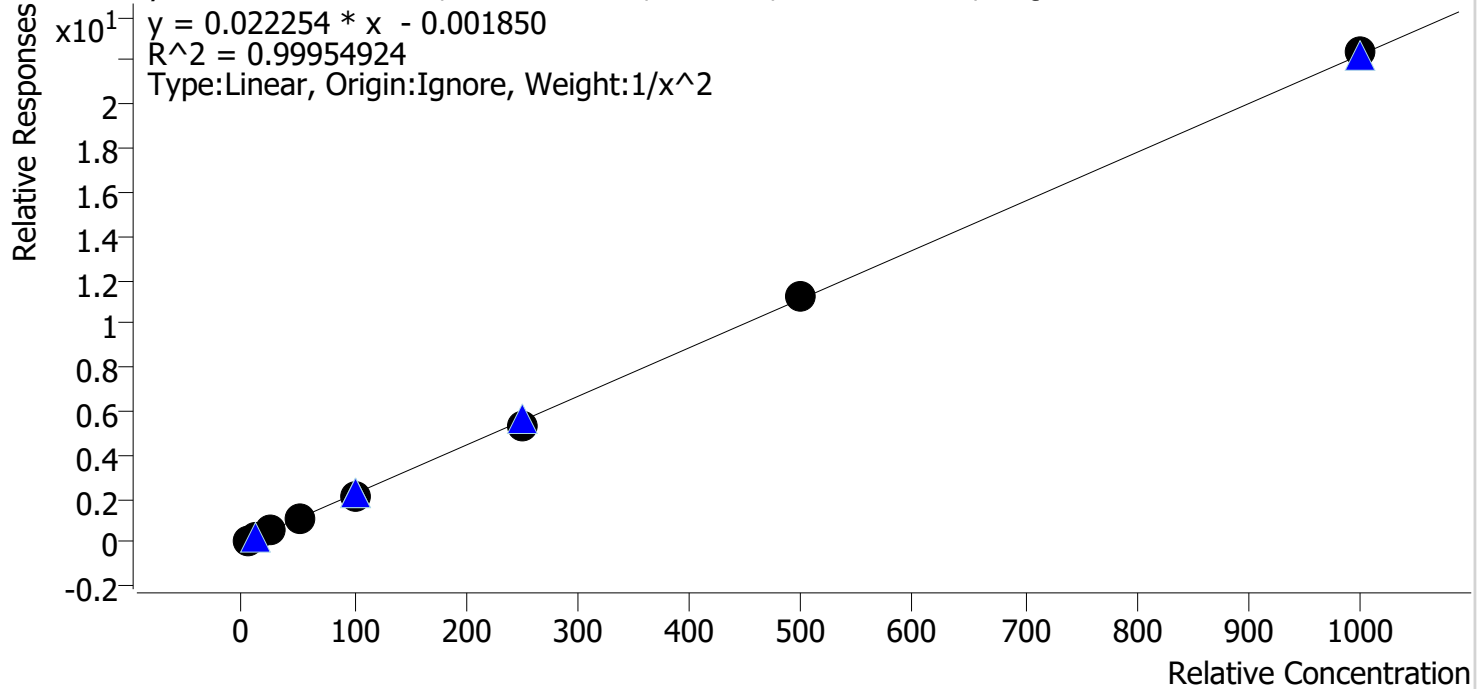
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	101.4
cal 2 mdq	2	✓	1.0	1.0	101.2
cal 3 mdq	3	✓	2.5	2.3	93.0
cal 4 mdq	4	✓	5.0	4.8	96.5
cal 5 mdq	5	✓	10.0	9.4	94.0
cal 6 mdq	6	✓	25.0	24.3	97.2
cal 7 mdq	7	✓	50.0	51.1	102.2
cal 8 mdq	8	✓	100.0	114.5	114.5

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



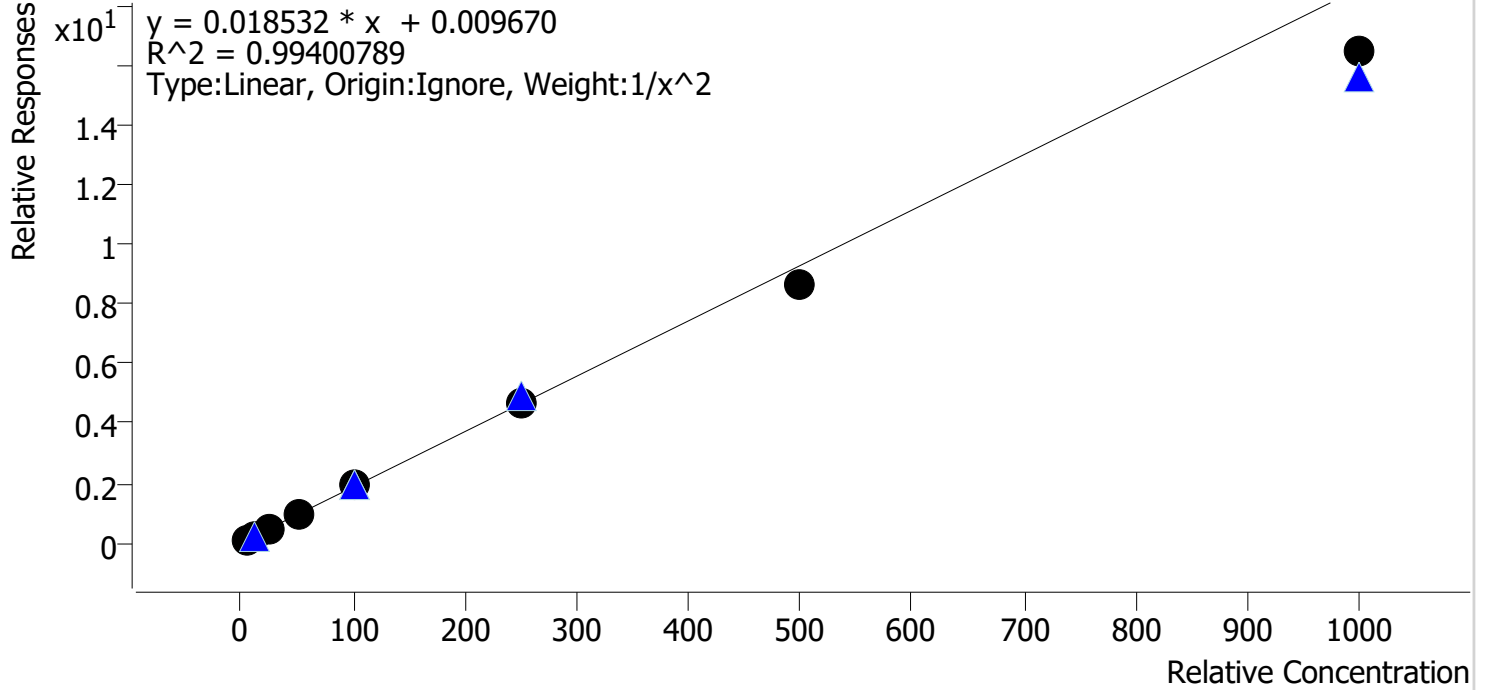
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.6
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	25.4	101.5
cal 4 mdq	4	✓	50.0	50.5	101.0
cal 5 mdq	5	✓	100.0	98.2	98.2
cal 6 mdq	6	✓	250.0	242.4	97.0
cal 7 mdq	7	✓	500.0	505.0	101.0
cal 8 mdq	8	✓	1000.0	1005.5	100.6

Compound Calibration Report

WLB

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

Tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



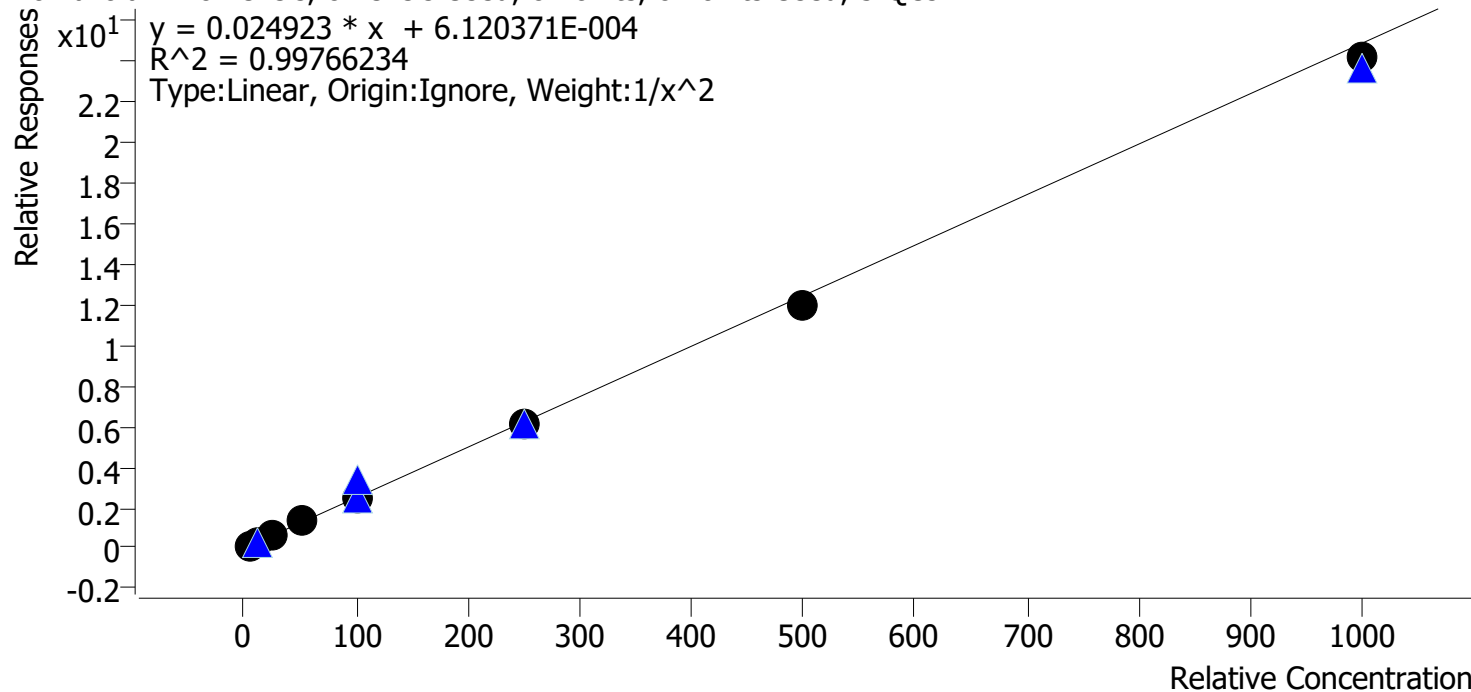
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.1
cal 2 mdq	2	✓	10.0	10.6	106.1
cal 3 mdq	3	✓	25.0	26.5	106.0
cal 4 mdq	4	✓	50.0	52.6	105.2
cal 5 mdq	5	✓	100.0	104.9	104.9
cal 6 mdq	6	✓	250.0	250.5	100.2
cal 7 mdq	7	✓	500.0	468.9	93.8
cal 8 mdq	8	✓	1000.0	886.2	88.6

Compound Calibration Report

WAB

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Last Cal. Update 12/11/2024 3:42 PM
Analyst Name ISP\datastor
Analyte Bromazepam **Internal Standard** Bromazepam-D5

Bromazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.7
cal 2 mdq	2	✓	10.0	10.5	105.0
cal 3 mdq	3	✓	25.0	25.4	101.4
cal 4 mdq	4	✓	50.0	53.7	107.3
cal 5 mdq	5	✓	100.0	97.2	97.2
cal 6 mdq	6	✓	250.0	247.9	99.2
cal 7 mdq	7	✓	500.0	480.4	96.1
cal 8 mdq	8	✓	1000.0	971.4	97.1

MB

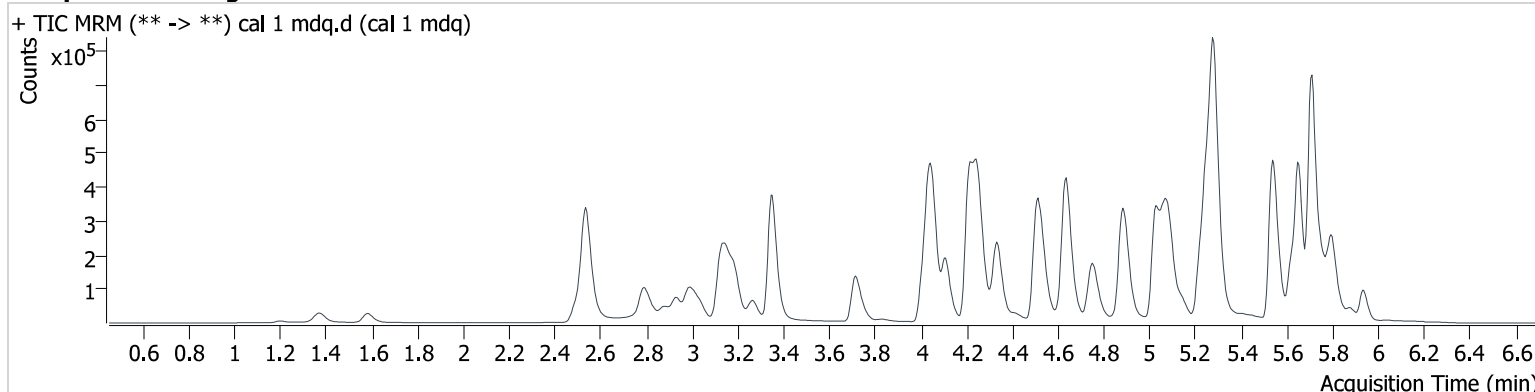
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-A1
Injection Volume 3
Acq. Date-Time 12/10/2024 3:46:09 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.762	28057	2497.8	90.60	∞	197912	4.994 ng/ml
Amphetamine	3.016	32884	1698.7	244.10	6599.3	195584	4.767 ng/ml
Bromazolam	5.802	10032	367.7	104.32	1009.3	82834	4.835 ng/ml
Buprenorphine	5.821	3562	745.8	15.18	353.8	96839	0.504 ng/ml
Citalopram	5.223	49894	6024.1	42.54	12203.0	460448	4.919 ng/ml
Fentanyl	5.083	5601	20999.1	132.77	40794.9	585657	0.576 ng/ml
Fluoxetine	5.710	57823	159962.6	6.83	∞	412309	4.982 ng/ml
MDA	3.178	51816	1115.9	33.86	∞	333977	4.673 ng/ml
MDMA	3.270	45316	4180.5	93.40	6585.3	84286	4.805 ng/ml
Methamphetamine	3.189	143527	∞	37.41	1185.8	543218	4.753 ng/ml
Morphine	1.206	1726	315.0	21.23	439.0	3953	4.965 ng/ml
Norbuprenorphine	4.974	366	86.4	83.28	88.5	11581	0.502 ng/ml
Norfentanyl	4.064	858	52.4	347.98	886.9	673437	0.507 ng/ml
O-desmethyl-tramadol	3.356	101471	3152.4	6.70	1015.0	940423	4.932 ng/ml
Tramadol	4.226	101477	105564.7	4.43	326.8	1037884	4.754 ng/ml
Xylazine	4.048	6805	48.2	141.27	477.5	276332	4.831 ng/ml

MB

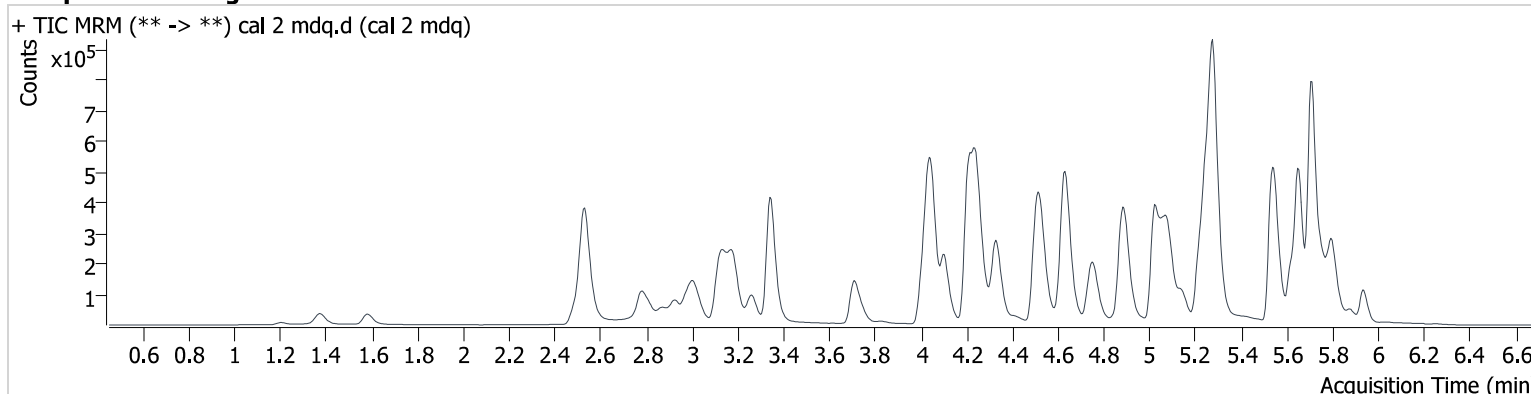
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-B1
Injection Volume 3
Acq. Date-Time 12/10/2024 3:55:01 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.762	58895	1916.7	89.94	4940.9	198392	10.042 ng/ml
Amphetamine	3.006	73552	7367.0	242.81	∞	207985	10.813 ng/ml
Bromazolam	5.802	21202	1304.5	98.71	1005.3	80829	10.500 ng/ml
Buprenorphine	5.826	8023	1769.8	17.18	3647.7	94699	1.008 ng/ml
Citalopram	5.218	103898	10880.8	39.49	18294.2	447727	10.220 ng/ml
Fentanyl	5.078	11289	2736.1	134.85	22929.0	559723	1.061 ng/ml
Fluoxetine	5.710	103515	4399.6	7.35	∞	370285	9.958 ng/ml
MDA	3.173	109815	2862.9	32.94	∞	341233	10.685 ng/ml
MDMA	3.265	92140	12129.0	94.77	29023.1	81528	10.479 ng/ml
Methamphetamine	3.184	225888	∞	38.30	3788.6	532437	10.697 ng/ml
Morphine	1.211	3668	911.8	20.63	102.7	4042	10.190 ng/ml
Norbuprenorphine	4.974	721	69.7	98.28	67.5	13013	0.966 ng/ml
Norfentanyl	4.059	1972	352.9	309.10	1085.9	669297	1.012 ng/ml
O-desmethyl-tramadol	3.345	211826	26286.0	6.65	1383.2	938740	10.223 ng/ml
Tramadol	4.220	214366	29896.9	3.99	507.6	1038947	10.612 ng/ml
Xylazine	4.048	14636	319.4	141.05	76.9	282421	10.368 ng/ml

MB

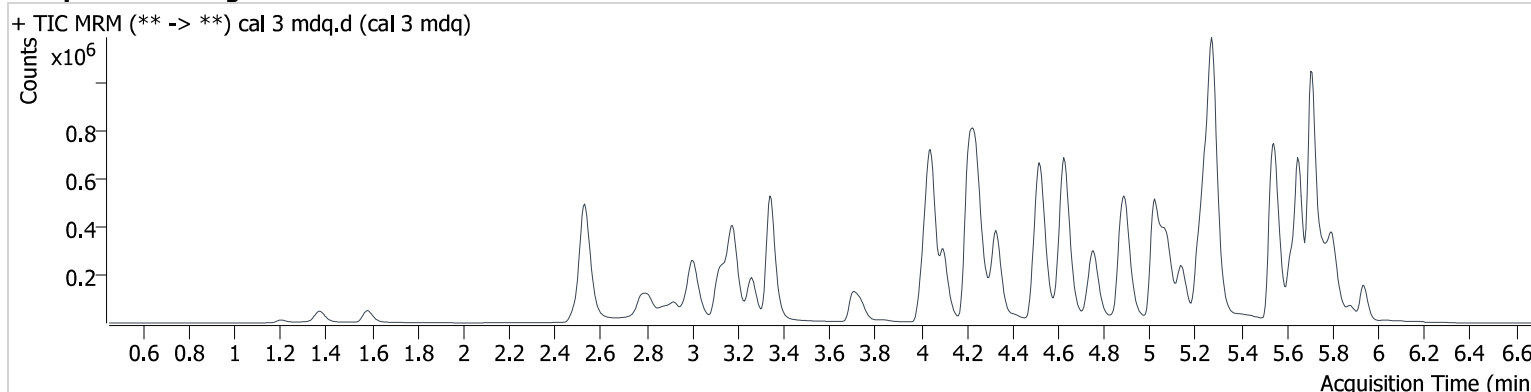
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-C1
Injection Volume 3
Acq. Date-Time 12/10/2024 4:03:43 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.762	139897	∞	88.93	14049.2	182758	25.293 ng/ml
Amphetamine	3.006	160708	18099.1	242.99	73840.2	195335	26.103 ng/ml
Bromazolam	5.802	49063	∞	103.28	962.1	77577	25.351 ng/ml
Buprenorphine	5.821	20174	∞	16.88	2072.3	93603	2.382 ng/ml
Citalopram	5.218	245725	24589.6	43.64	∞	424898	25.061 ng/ml
Fentanyl	5.073	27646	∞	140.54	292006.8	567251	2.365 ng/ml
Fluoxetine	5.710	274142	627210.9	7.01	11339.1	382106	25.597 ng/ml
MDA	3.168	241464	8772.2	33.36	∞	302393	27.880 ng/ml
MDMA	3.265	223529	37949.1	91.67	19761.2	80412	26.275 ng/ml
Methamphetamine	3.184	443250	7805.1	37.96	5702.0	518738	26.677 ng/ml
Morphine	1.206	8447	1295.7	21.98	511.9	3774	24.949 ng/ml
Norbuprenorphine	4.979	1762	261.8	91.98	146.9	12406	2.652 ng/ml
Norfentanyl	4.059	4463	1198.7	303.09	2882.4	611550	2.325 ng/ml
O-desmethyl-tramadol	3.345	515318	42481.1	6.58	5092.2	915734	25.370 ng/ml
Tramadol	4.215	499751	∞	4.00	1402.4	997540	26.511 ng/ml
Xylazine	4.043	35540	110.9	135.28	1296.2	271648	26.451 ng/ml

MB

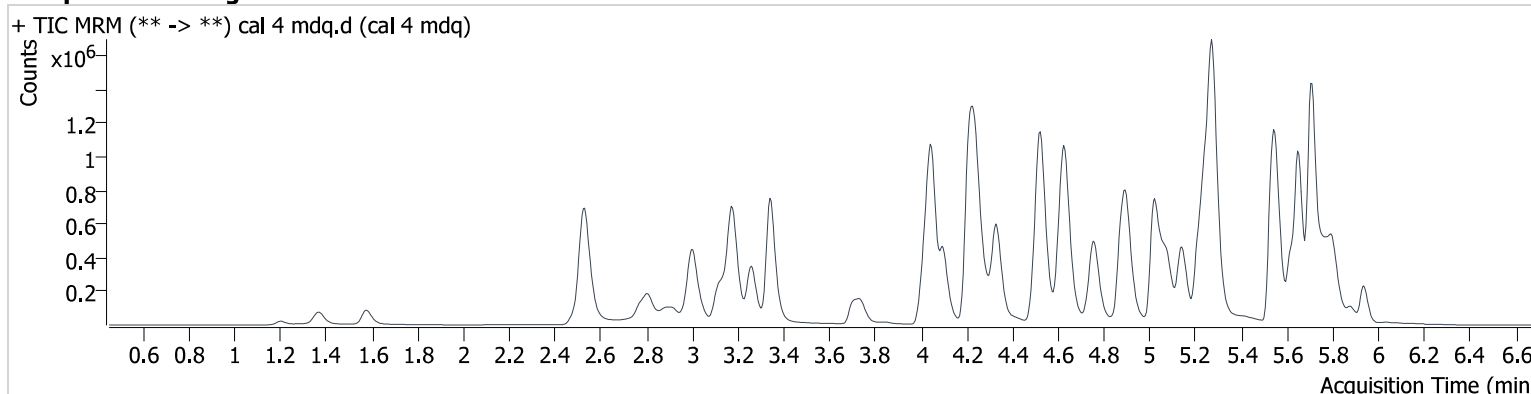
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-D1
Injection Volume 3
Acq. Date-Time 12/10/2024 4:12:25 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.757	271323	37008.8	93.60	54221.5	184394	48.269 ng/ml
Amphetamine	3.001	305865	15279.9	244.17	175375.9	192376	51.109 ng/ml
Bromazolam	5.797	98181	3567.4	98.49	1333.0	73380	53.660 ng/ml
Buprenorphine	5.826	41495	∞	15.36	3646.3	93004	4.806 ng/ml
Citalopram	5.218	507068	30208.7	40.90	∞	419237	52.113 ng/ml
Fentanyl	5.073	60366	∞	140.38	211116.3	600759	4.728 ng/ml
Fluoxetine	5.710	545709	1315475.9	7.19	96588.9	383135	50.844 ng/ml
MDA	3.163	450876	30415.5	33.19	∞	293331	54.521 ng/ml
MDMA	3.260	466603	62141.7	90.57	126639.1	84580	52.482 ng/ml
Methamphetamine	3.179	844094	21549.7	38.54	56494.0	554118	51.520 ng/ml
Morphine	1.201	18512	4529.3	20.72	546.7	4162	49.466 ng/ml
Norbuprenorphine	4.979	3211	372.4	107.18	264.2	12352	4.947 ng/ml
Norfentanyl	4.059	8957	1286.8	294.26	∞	574836	4.826 ng/ml
O-desmethyl-tramadol	3.345	1074080	61789.9	6.69	9471.7	957582	50.485 ng/ml
Tramadol	4.215	1033299	∞	4.08	1266.6	1049476	52.606 ng/ml
Xylazine	4.043	72324	1036.7	138.63	2514.3	280563	52.294 ng/ml

MB

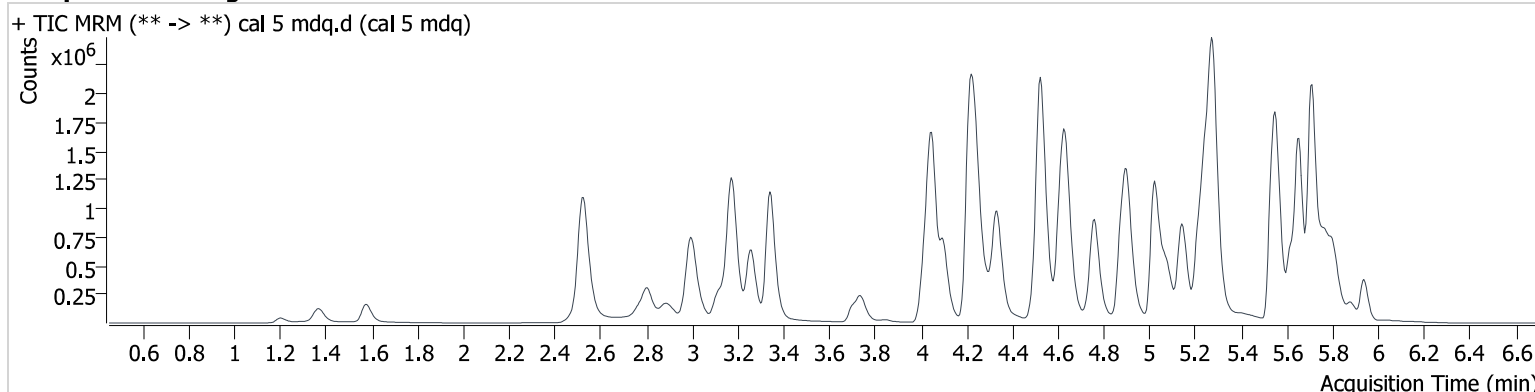
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-E1
Injection Volume 3
Acq. Date-Time 12/10/2024 4:21:07 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.762	538079	∞	88.27	∞	170958	102.816 ng/ml
Amphetamine	2.996	559186	9945.8	245.93	72824.5	201130	89.905 ng/ml
Bromazolam	5.797	175727	∞	101.16	∞	72528	97.190 ng/ml
Buprenorphine	5.826	76512	71512.9	15.47	7988.1	82377	9.878 ng/ml
Citalopram	5.218	923172	124995.6	43.55	1004855.6	391042	101.457 ng/ml
Fentanyl	5.078	120196	93491.3	140.05	163955.9	591969	9.411 ng/ml
Fluoxetine	5.710	882942	17120.3	7.15	157395.9	318709	98.918 ng/ml
MDA	3.163	789753	30037.8	33.22	∞	269277	104.869 ng/ml
MDMA	3.260	876325	94034.9	94.51	74048.3	82654	101.180 ng/ml
Methamphetamine	3.179	1695422	1225282.8	36.44	84723.0	590861	101.519 ng/ml
Morphine	1.201	38595	23614.4	22.15	2039.7	4477	95.761 ng/ml
Norbuprenorphine	4.979	6663	912.5	95.77	1313.0	12299	10.431 ng/ml
Norfentanyl	4.059	16116	2591.0	312.18	5658.6	524532	9.398 ng/ml
O-desmethyl-tramadol	3.345	2128431	235898.9	6.73	23583.4	975078	98.170 ng/ml
Tramadol	4.215	1997128	82360.6	4.00	2332.9	1021895	104.933 ng/ml
Xylazine	4.043	138221	1576.3	145.31	4042.0	277789	101.108 ng/ml

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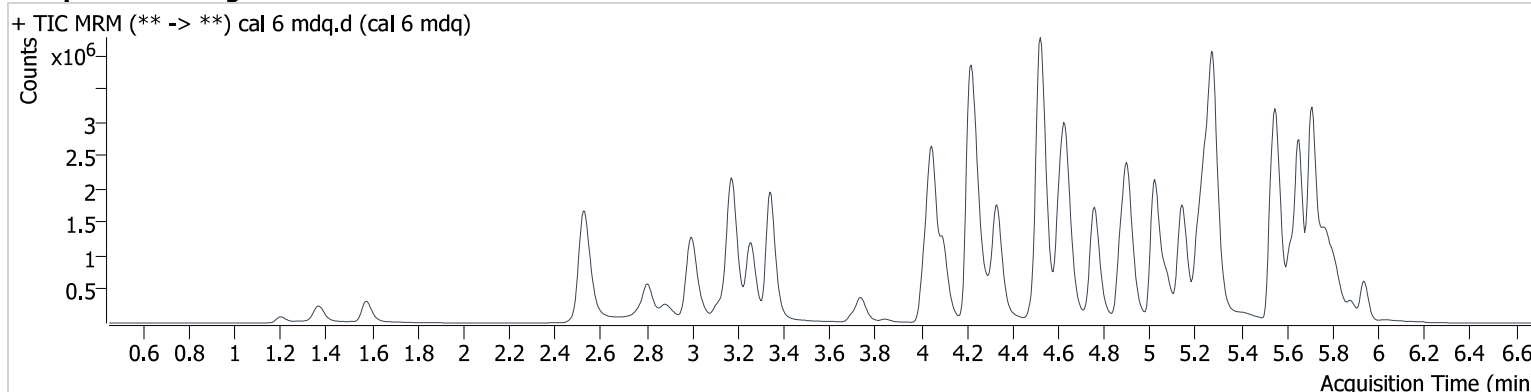
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-F1
Injection Volume 3
Acq. Date-Time 12/10/2024 4:29:49 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.762	965200	2878.9	93.90	∞	137020	229.640 ng/ml
Amphetamine	3.001	995718	89164.4	245.73	2221365.3	170433	189.709 ng/ml
Bromazolam	5.797	308072	∞	100.02	∞	49854	247.917 ng/ml
Buprenorphine	5.832	166255	95379.5	15.47	7939.2	64877	27.046 ng/ml
Citalopram	5.212	1770029	138866.3	42.72	5061604.7	299702	253.401 ng/ml
Fentanyl	5.073	273895	∞	140.79	832676.5	540536	23.278 ng/ml
Fluoxetine	5.710	1668460	4105159.2	7.17	89510.6	238980	249.323 ng/ml
MDA	3.158	1314596	101417.2	30.70	∞	205201	230.163 ng/ml
MDMA	3.260	1808166	231637.6	88.36	119031.7	69180	249.932 ng/ml
Methamphetamine	3.179	3113553	1412885.4	39.74	151708.2	521380	216.752 ng/ml
Morphine	1.201	100800	10203.8	19.50	4968.9	4298	260.306 ng/ml
Norbuprenorphine	4.974	13795	1646.8	102.36	1214.8	10483	25.497 ng/ml
Norfentanyl	4.059	27109	4277.4	313.23	8273.2	338480	24.301 ng/ml
O-desmethyl-tramadol	3.340	4523641	420613.9	6.64	148493.6	838763	242.430 ng/ml
Tramadol	4.215	4001257	∞	4.10	6590.5	860001	250.532 ng/ml
Xylazine	4.043	278108	1519.6	143.70	3170.5	236015	239.692 ng/ml

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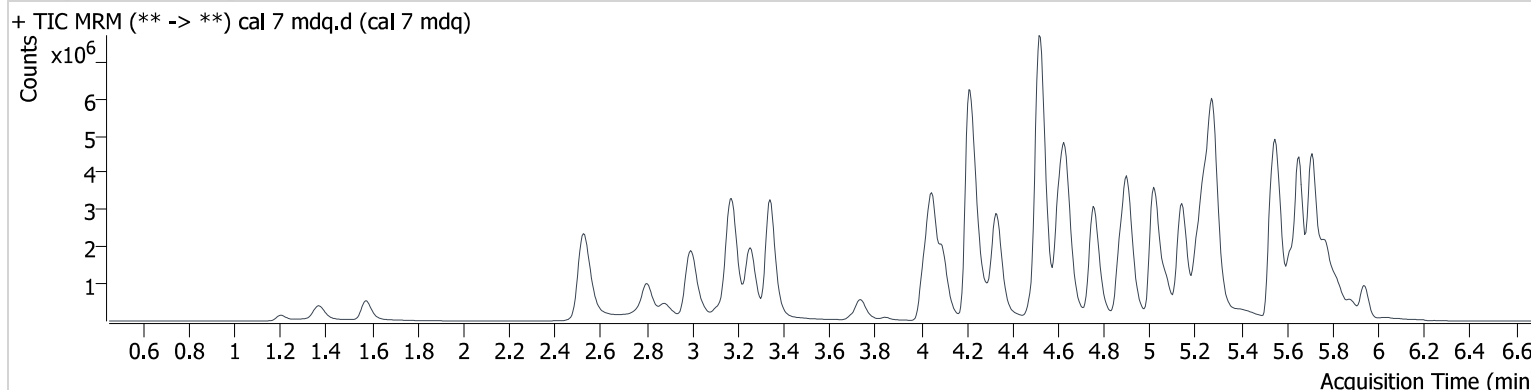
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-G1
Injection Volume 3
Acq. Date-Time 12/10/2024 4:38:31 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.762	1540986	∞	88.13	27778.9	97790	513.244 ng/ml
Amphetamine	3.001	1492822	71969.9	242.50	728964.4	166568	291.400 ng/ml
Bromazolam	5.797	442598	∞	99.32	∞	36965	480.385 ng/ml
Buprenorphine	5.832	303218	3975126.5	15.03	∞	48139	66.307 ng/ml
Citalopram	5.212	2723315	443676.5	42.16	∞	238094	490.499 ng/ml
Fentanyl	5.073	561391	185735.7	143.27	1084735.9	517564	49.670 ng/ml
Fluoxetine	5.710	2450751	39263.8	6.96	248389.9	176694	495.348 ng/ml
MDA	3.148	1885028	13115.5	31.37	46713.4	165082	410.966 ng/ml
MDMA	3.255	3179242	624782.4	90.89	472910.8	62942	483.321 ng/ml
Methamphetamine	3.174	5261632	407415.5	37.60	47930.8	551299	349.440 ng/ml
Morphine	1.201	181385	23093.8	21.93	4313.4	3868	520.346 ng/ml
Norbuprenorphine	4.974	28520	6103.8	94.55	4389.2	11306	48.981 ng/ml
Norfentanyl	4.059	35507	18165.1	319.75	26319.2	210351	51.082 ng/ml
O-desmethyl-tramadol	3.340	8605577	544719.5	6.24	425778.6	765899	504.974 ng/ml
Tramadol	4.210	7093313	∞	3.77	38082.5	815370	468.900 ng/ml
Xylazine	4.038	496388	1298.2	137.48	5888.8	206341	489.536 ng/ml

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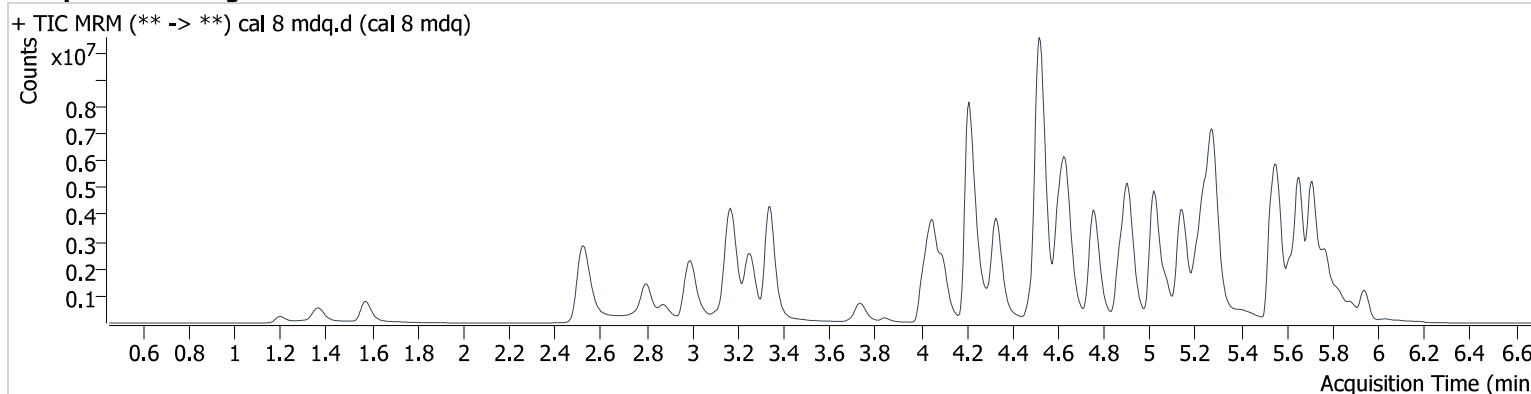
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\am 27-28\121024\QuantResults\am28 for review.batch.bin
Calibration Last Update 12/11/2024 3:42:03 PM

Instrument 69679
Type Cal
Acq. Method mdqp1 121523.m
Sample Position P2-H1
Injection Volume 3
Acq. Date-Time 12/10/2024 4:55:57 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.762	2012999	26592.5	85.73	∞	62610	1046.780 ng/ml
Amphetamine	2.996	1859585	89120.9	234.36	259744.4	131527	460.114 ng/ml
Bromazolam	5.791	530295	∞	99.24	1154.5	21902	971.449 ng/ml
Buprenorphine	5.832	410831	37451.2	15.31	240518.5	28357	152.357 ng/ml
Citalopram	5.207	3198845	259674.1	43.44	916163.2	145842	940.336 ng/ml
Fentanyl	5.073	886177	70728.9	142.83	3036180.6	393752	102.910 ng/ml
Fluoxetine	5.710	2751436	∞	6.63	169129.1	99267	989.918 ng/ml
MDA	3.143	2319995	103623.7	30.77	83756.6	119151	701.423 ng/ml
MDMA	3.255	4319485	687191.0	88.03	360838.5	45324	912.228 ng/ml
Methamphetamine	3.169	7489679	∞	37.44	∞	457290	603.292 ng/ml
Morphine	1.201	303692	40425.5	18.74	22847.5	3506	961.156 ng/ml
Norbuprenorphine	4.974	41694	4233.2	99.84	4898.8	8645	93.746 ng/ml
Norfentanyl	4.059	40926	91308.1	317.17	19616.4	108008	114.513 ng/ml
O-desmethyl-tramadol	3.340	12283568	∞	6.24	186196.4	548979	1005.527 ng/ml
Tramadol	4.210	9579853	∞	3.70	20736.2	582954	886.212 ng/ml
Xylazine	4.038	689333	2605.0	137.59	7580.0	148589	944.210 ng/ml