

Worklist: 5028

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-1710	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2173	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1261	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1289	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1344	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1363	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1375	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1377	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1456	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1509	1	CBUK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1517	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1529	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1589	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1590	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1609	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1613	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1620	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1659	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

CS

Extraction Date: 06/04/2021

Analyst: Celena Shrum

Plate lot#: 201207

Plate Expiration: 06/07/2021

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20723

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

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. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate.
Pipette ID: #42
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 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. **Urine samples add 50 ul 1% HCl in MeOH**. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

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: The extraction was done on 6/4/21 but the instrument stopped due to high pressure. The pressure issue was resolved and the samples were injected on 6/5/21.

Curve limits: alpha-hydroxyalprazolam 5-100, Alpha-PHP 5-500, Amphetamine 5-500, Benzoylcegonine 5-500, Codeine 5-500, Dihydrocodeine 5-500, Lamotrigine 5-250, Levetiracetam 5-500, Lorazepam 5-100, Meprobamate 5-250, Mitragnine 5-500, Phentermine 5-500. Surrogate internal standards were used for hydromorphone and alpha-hydroxyalprazolam and as such these compounds will be called qualitatively only.

An external control was not required for this run but was included to determine concentrations.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1							P2021-1620-1	P2021-1456-1	M2021-1710-1	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2							P2021-1613-1	P2021-1377-1	External Ctrl.	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3							P2021-1609-1	P2021-1375-1	Blood NC	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4							P2021-1590-1	P2021-1363-1	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2							P2021-1589-1	P2021-1344-1	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6								P2021-1529-2	P2021-1289-1	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7								P2021-1517-1	P2021-1261-2	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8							P2021-1659-1	P2021-1509-1	M2021-2173-3	IS + QC_1	IS + Cal. 1



Idaho State Police Forensic Services

**AM #25 Blood Multi-Drug Screen by LCMS-QQQ
And
AM #28 Blood Multi-Drug Confirmatory Analysis by
LCMS-QQQ---Panel 1**

Methanol External Control Solution (Lot: 120320)

100 µL of 1mg/mL stock was added to each drug to 9700 µL of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	197468	
O-desmethyl Tramadol	Cerilliant	FN01241702	04/30/2022
Amphetamine	Cerilliant	FE04061701	06/30/2022
Alprazolam	Cerilliant	FE07061604	07/31/2021
Prepared:	12/03/2020		
Prepared By:	Celena Shrum		
Expires:	07/31/2021		

Blood External Control Solution (Lot: WS060421)

100 µL of methanol external control solution was added to 9900 µL of blood.

Approximately 100 ng/mL of each compound.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Lampire	20L20723
Methanol External Control Solution		120320
Prepared:	06/04/2021	
Prepared by:	Celena Shrum	
Expires:	07/31/2021	

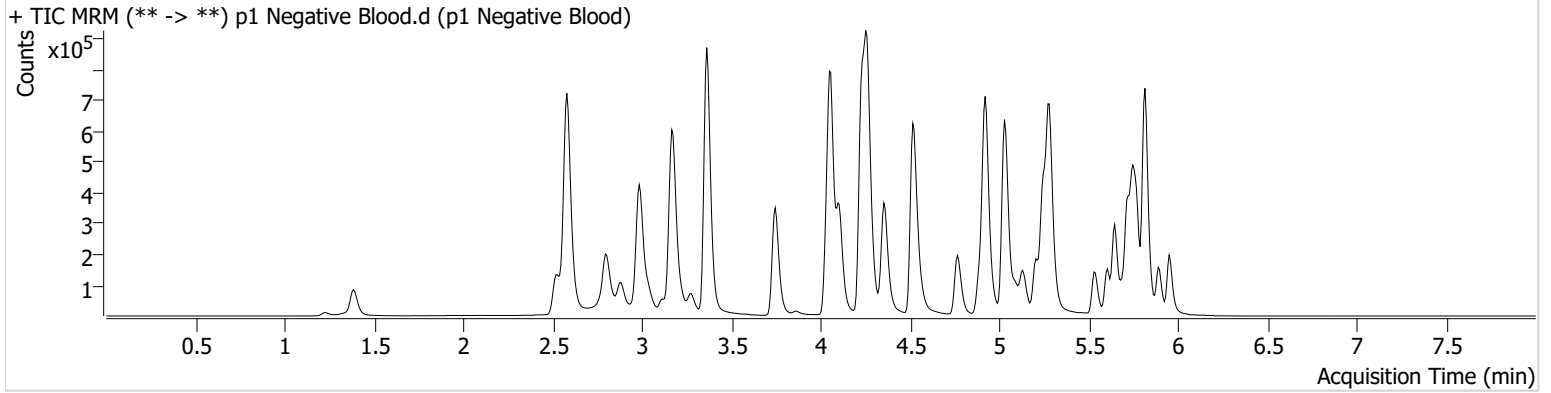
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

Instrument	Falco (069901)	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-C11	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 9:32:24 PM		
Sample Info.			

Sample Chromatogram



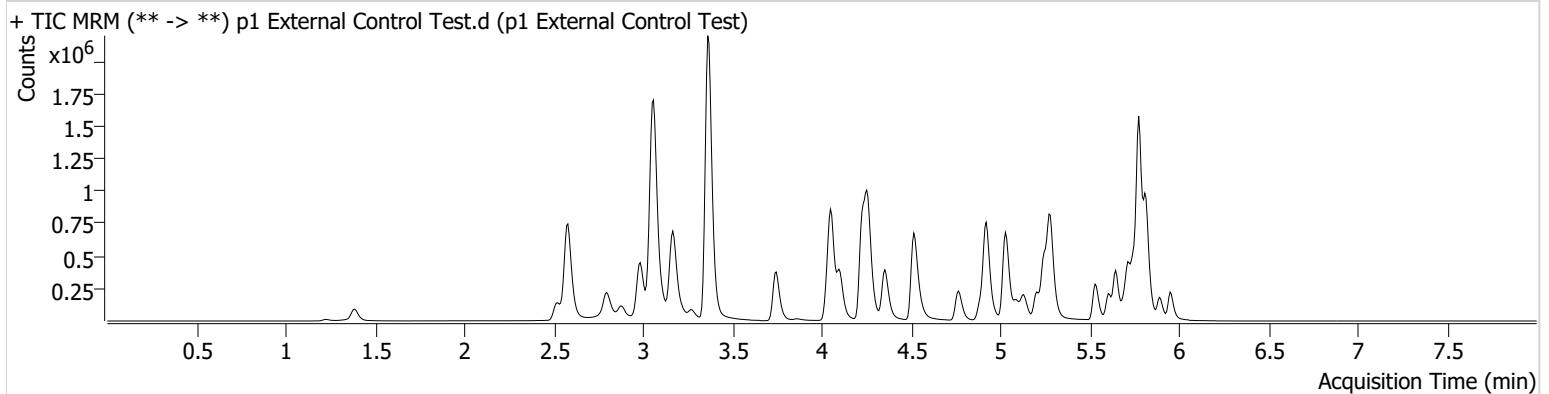
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

Instrument	Falco (069901)	Data File	p1 External Control Test.d
Type	Sample	Sample	p1 External Control Test
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-B11	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 9:11:09 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.775	1312019	1156.95	112.8	8410.73	506346	87.5940 ng/ml
Amphetamine	3.063	3492452	27347.93	47.6	7122.98	421805	88.3033 ng/ml
O-desmethyl-tramadol	3.369	3399204	41117.59	6.6	468.45	2274283	88.2852 ng/ml

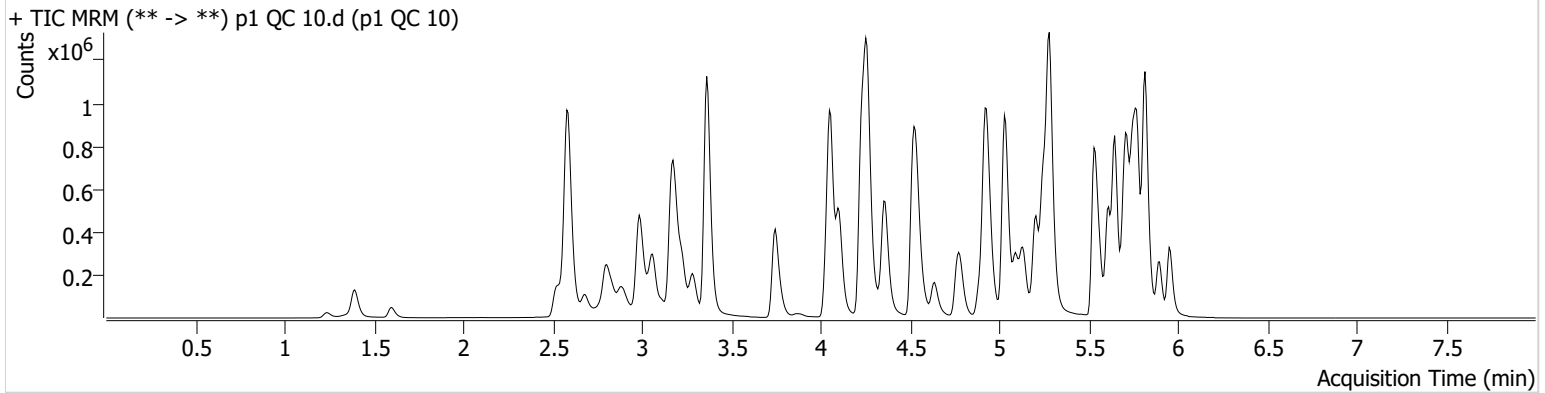
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

Instrument	Falco (069901)	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-H11	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 7:56:50 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	4528	200.38	68.1	112.32	112643	0.9656 ng/ml
7-aminoclonazepam	4.271	52523	52.46	82.2	301.94	201525	9.4729 ng/ml
a-hydroxyalprazolam	5.699	51522	251.32	56.3	364.62	565695	10.4334 ng/ml
alpha-PHP	4.930	62985	772.10	267.9	3855.40	1103771	10.1920 ng/ml
alpha-PVP	4.370	238321	443.77	52.4	751.77	1103771	9.5606 ng/ml
Alprazolam	5.775	164581	779.06	108.5	767.16	565695	9.9436 ng/ml
Amphetamine	3.063	464238	356.94	46.6	316.32	444698	9.9319 ng/ml
Benzoylecgonine	3.892	7347	257.81	8.7	139.46	26290	9.9631 ng/ml
Buprenorphine	5.894	5088	132.89	14.4	1529.02	191620	0.9624 ng/ml
Bupropion	4.788	182139	5565.06	61.5	1938.05	670639	9.6780 ng/ml
Carisoprodol	5.724	150333	419.94	59.5	162.37	771817	9.7911 ng/ml
Citalopram	5.205	152698	428.12	42.4	382.75	743327	9.5011 ng/ml
Clonazepam	5.612	179864	1114.22	31.7	2643.29	218468	9.8180 ng/ml
Clonazepam	5.549	120433	4160.60	37.9	63405.27	218468	9.6917 ng/ml
Cocaine	4.257	198669	2849.44	51.5	870.10	1919720	9.5660 ng/ml
Codeine	2.580	24086	3965.90	102.0	10360.73	113793	10.7525 ng/ml
Cyclobenzaprine	5.615	124042	283.30	9.3	292.71	519408	9.6614 ng/ml
Dextromethorphan	5.255	91093	1956.11	80.7	2435.76	444428	9.9554 ng/ml
Dextrophan	4.105	70363	3950.07	201.7	439.68	858709	10.0319 ng/ml
Diazepam	5.960	105078	496.27	86.2	1352.15	497319	9.8427 ng/ml
Dihydrocodeine	2.552	58257	384.30	68.5	636.84	354626	10.1795 ng/ml
Diphenhydramine	5.282	373637	11382.85	34.1	3995.05	2453498	9.2770 ng/ml
Doxylamine	4.536	487668	5762.85	97.5	7468.04	2172673	9.9507 ng/ml
EDDP	5.248	150835	3025.55	42.2	533.39	837851	9.7282 ng/ml
Etizolam	5.820	101875	186843.57	26.4	37142.69	218468	10.1013 ng/ml
Fentanyl	5.109	13008	36.25	59.8	222.46	638590	0.9689 ng/ml
Flualprazolam	5.705	73367	2562.97	96.4	1845.11	565695	10.1592 ng/ml
Fluoxetine	5.707	179432	877.41	8.9	891.32	756529	9.4286 ng/ml
Hydrocodone	3.018	85225	1812.16	38.3	149.93	1050354	10.0967 ng/ml
Hydromorphone	1.601	79864	3278.18	78.0	7863.00	11012	9.6119 ng/ml
Ketamine	4.051	183672	437.84	36.5	403.02	875198	9.6692 ng/ml
Lamotrigine	4.273	15974	478.95	82.2	366.31	875198	10.6404 ng/ml
Levetiracetam	2.683	77403	165.42	169.1	825.87	2337057	9.7012 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	182144	1347.22	58.4	143.05	218468	10.5313 ng/ml
MDA	3.196	305560	1184.10	24.6	176.47	728058	10.1598 ng/ml
MDMA	3.290	193430	1409.05	74.4	626.19	175850	9.8289 ng/ml
Meprobamate	4.917	83065	2494.18	28.5	1069.99	397190	10.4780 ng/ml
Methadone	5.646	277246	5675.16	48.9	2400.32	1312614	9.5837 ng/ml
Methamphetamine	3.231	353552	547.27	37.5	406.04	1333870	10.3588 ng/ml
Metoprolol	4.326	47261	4492.48	92.6	591.89	2150457	9.9465 ng/ml
Mirtazapine	4.637	258800	1525.30	52.9	1447.33	1103771	12.0288 ng/ml
Mitragynine	5.237	50062	136462.96	39.7	478.43	1312614	11.8286 ng/ml
Morphine	1.247	11108	1242.93	37.8	390.56	11012	9.7740 ng/ml
Norbuprenorphine	4.986	731	1727.71	81.2	1400.48	25766	1.2073 ng/ml
Nordiazepam	5.900	107250	458.59	54.3	266.76	362381	9.8730 ng/ml
Norfentanyl	4.079	39303	1747.61	33.7	118.75	1771343	0.9418 ng/ml
Norhydrocodone	3.059	12898	65.93	40.3	46.30	125173	9.5594 ng/ml
Noroxycodone	2.903	99642	569.31	41.6	330.16	331497	10.0395 ng/ml
O-desmethyl-tramadol	3.369	395138	4924.80	6.9	1687.30	2513253	9.4622 ng/ml
Oxazepam	5.756	202645	1420.56	71.8	325.91	861113	9.5478 ng/ml
Oxycodone	2.827	175566	338.37	27.1	688.16	794178	9.7922 ng/ml
Oxymorphone	1.398	86711	210.36	41.9	553.96	309060	9.9331 ng/ml
Phentermine	3.783	93275	156.55	4.1	37.88	1127203	10.0290 ng/ml
Promethazine	5.532	289727	671.33	28.9	220.28	1270669	9.7801 ng/ml
Pseudoephedrine	2.596	458892	1623.68	16.4	3766.25	2337057	9.2736 ng/ml
Quetiapine	5.562	175013	573.65	57.4	15727.09	234110	9.6957 ng/ml
Sertraline	5.776	88579	621.46	95.5	211.21	421944	9.5959 ng/ml
Temazepam	5.823	342279	2978.12	29.8	∞	1749050	9.6975 ng/ml
Tramadol	4.246	435666	1221.26	3.6	107.57	2150457	9.8939 ng/ml
Trazodone	5.190	174224	187.61	81.0	7259.14	742288	9.9292 ng/ml
Venlafaxine	5.037	374640	1842.68	38.4	397.68	1993375	9.5556 ng/ml
Zolpidem	4.948	403281	1770.51	31.4	1051.36	2113214	9.6257 ng/ml

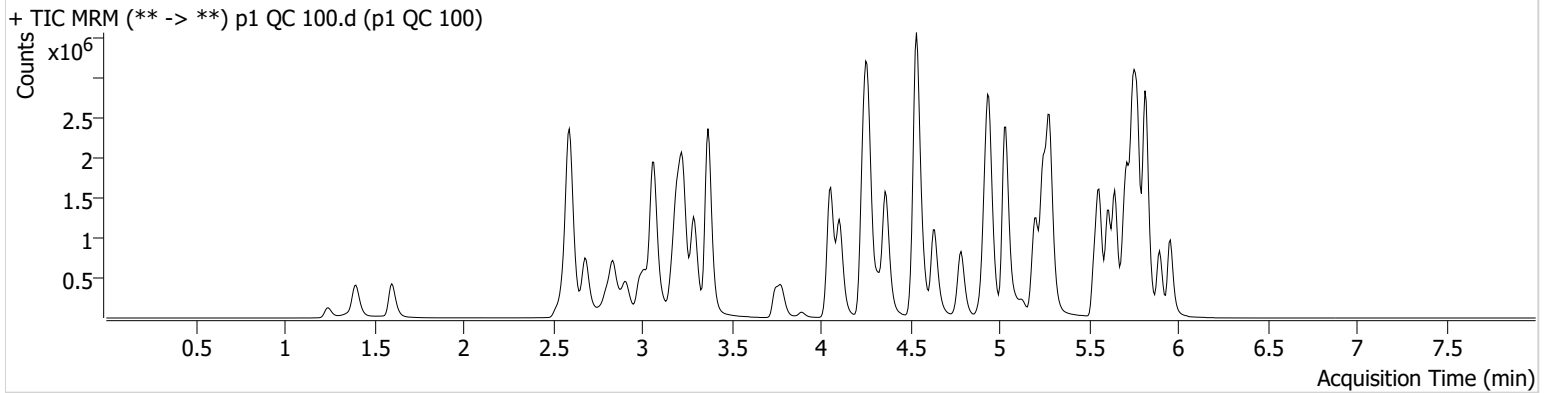
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

Instrument	Falco (069901)	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-G11	Comment	
Injection Volume	2		
Acq. Date-Time	6/6/2021 2:08:25 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	44293	953.50	69.4	856.49	105044	10.0710 ng/ml
7-aminoclonazepam	4.271	621553	10372.80	79.9	3797.90	214112	99.7977 ng/ml
a-hydroxyalprazolam	5.692	424360	868.27	58.4	315.57	481355	102.2584 ng/ml
alpha-PHP	4.930	509546	939.04	267.6	7067.24	905661	106.9051 ng/ml
alpha-PVP	4.370	2129099	1831.76	53.0	1366.46	905661	101.8152 ng/ml
Alprazolam	5.775	1482353	∞	111.9	8902.72	481355	104.0811 ng/ml
Amphetamine	3.069	3803152	31011.52	48.2	17086.75	396446	102.5280 ng/ml
Benzoylcegonine	3.892	69553	4262.48	8.0	649.19	22455	113.5659 ng/ml
Buprenorphine	5.887	29578	3299.31	15.7	6869.64	103667	9.3046 ng/ml
Bupropion	4.788	1231607	1021.48	60.4	646.42	424850	104.6270 ng/ml
Carisoprodol	5.724	1278996	1882783.81	55.3	12168.08	596735	104.3288 ng/ml
Citalopram	5.205	1054359	12165.65	42.1	697.31	459766	104.4364 ng/ml
Clonazepam	5.612	1662624	36608.33	30.8	2886.82	183201	111.8809 ng/ml
Clonazepam	5.548	1097046	65505.36	37.6	658237.94	183201	106.5314 ng/ml
Cocaine	4.257	1794584	109503.42	51.9	∞	1579750	102.3903 ng/ml
Codeine	2.580	212948	2348.78	100.8	9720.74	102855	113.0477 ng/ml
Cyclobenzaprine	5.615	393268	242729.03	9.0	377.96	151694	104.9476 ng/ml
Dextromethorphan	5.255	505419	128809.80	80.0	395.22	228314	105.5975 ng/ml
Dextrophan	4.111	649019	1907.34	207.7	1247.72	738136	105.1835 ng/ml
Diazepam	5.960	923840	∞	87.7	10226.35	405429	106.2944 ng/ml
Dihydrocodeine	2.559	567550	981.80	66.7	604.95	327304	114.5122 ng/ml
Diphenhydramine	5.282	2692960	50939.56	33.6	18174.16	1556854	101.3676 ng/ml
Doxylamine	4.536	4728210	73463.18	97.4	150728.61	1903973	111.3164 ng/ml
EDDP	5.248	1841699	299.46	41.8	7768.10	889229	106.8813 ng/ml
Etizolam	5.813	900990	13257.97	25.5	13491.42	183201	86.7027 ng/ml
Fentanyl	5.103	53816	2484.04	69.3	96426.39	249099	10.4975 ng/ml
Flualprazolam	5.705	666050	8473.06	96.0	26678.59	481355	112.0452 ng/ml
Fluoxetine	5.700	375581	67695.69	8.6	42602.64	139450	115.7572 ng/ml
Hydrocodone	3.018	814824	380.74	39.7	200.41	947421	113.3362 ng/ml
Hydromorphone	1.601	735430	2811.83	77.5	15340.42	10428	97.6678 ng/ml
Ketamine	4.051	1693793	32714.56	37.4	994.46	767051	105.4884 ng/ml
Lamotrigine	4.280	143845	4694.26	80.9	2745.71	767051	118.1332 ng/ml
Levetiracetam	2.683	732025	3148.13	165.5	5447.38	1906654	106.7167 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1295380	24962.10	57.3	1102.76	183201	98.2719 ng/ml
MDA	3.203	2464112	5704.35	24.2	6036.44	612725	108.3665 ng/ml
MDMA	3.290	1727753	1972.73	76.9	5172.87	149719	102.5657 ng/ml
Meprobamate	4.917	691703	290.91	28.1	7044.30	340417	110.4782 ng/ml
Methadone	5.646	1636333	1838.12	48.0	23743.67	712738	101.5405 ng/ml
Methamphetamine	3.231	3121292	4944.96	37.3	1494.23	1164668	118.9662 ng/ml
Metoprolol	4.326	438099	1430.76	89.4	34354.54	1885869	111.2647 ng/ml
Mirtazapine	4.637	1901745	6844.70	50.3	5201.04	905661	109.4045 ng/ml
Mitragynine	5.237	252465	4024.73	40.3	134797.13	712738	112.4072 ng/ml
Morphine	1.247	107932	19994.67	34.4	296.03	10428	99.6845 ng/ml
Norbuprenorphine	4.986	3663	2615.39	91.1	36.47	16343	10.1898 ng/ml
Nordiazepam	5.900	917001	38636.42	57.0	641.22	290258	105.9949 ng/ml
Norfentanyl	4.079	371369	53282.64	33.9	1698.71	1486421	9.8268 ng/ml
Norhydrocodone	3.060	106049	291.29	40.3	151.51	94566	96.3695 ng/ml
Noroxycodone	2.909	881970	625.06	42.4	1192.77	281723	105.0920 ng/ml
O-desmethyl-tramadol	3.369	3817542	88484.95	6.7	10574.93	2141079	105.2811 ng/ml
Oxazepam	5.756	1612000	7537.91	73.5	561.81	597691	113.2924 ng/ml
Oxycodone	2.834	1744653	1792.35	26.9	2086.02	720252	108.8390 ng/ml
Oxymorphone	1.398	825746	∞	42.5	∞	268902	110.6850 ng/ml
Phentermine	3.783	830535	1418.04	4.4	1056.23	954919	114.3500 ng/ml
Promethazine	5.532	909064	2634.86	27.9	1122.53	354556	109.9040 ng/ml
Pseudoephedrine	2.596	4327887	54268.32	16.1	65348.38	1906654	101.0241 ng/ml
Quetiapine	5.562	1244553	584.68	58.6	946609.64	156728	105.2106 ng/ml
Sertraline	5.776	181348	554.92	97.8	12580.36	84221	102.4191 ng/ml
Temazepam	5.823	2915040	27937.36	28.3	1266.35	1310598	106.3144 ng/ml
Tramadol	4.246	4008063	2056.65	3.6	∞	1885869	108.4926 ng/ml
Trazodone	5.190	985088	550.09	81.7	1484.74	387775	109.6240 ng/ml
Venlafaxine	5.037	3461081	403554.44	38.3	12757.45	1645625	103.1265 ng/ml
Zolpidem	4.941	3729965	5925.60	30.7	1070.22	1753532	108.4342 ng/ml

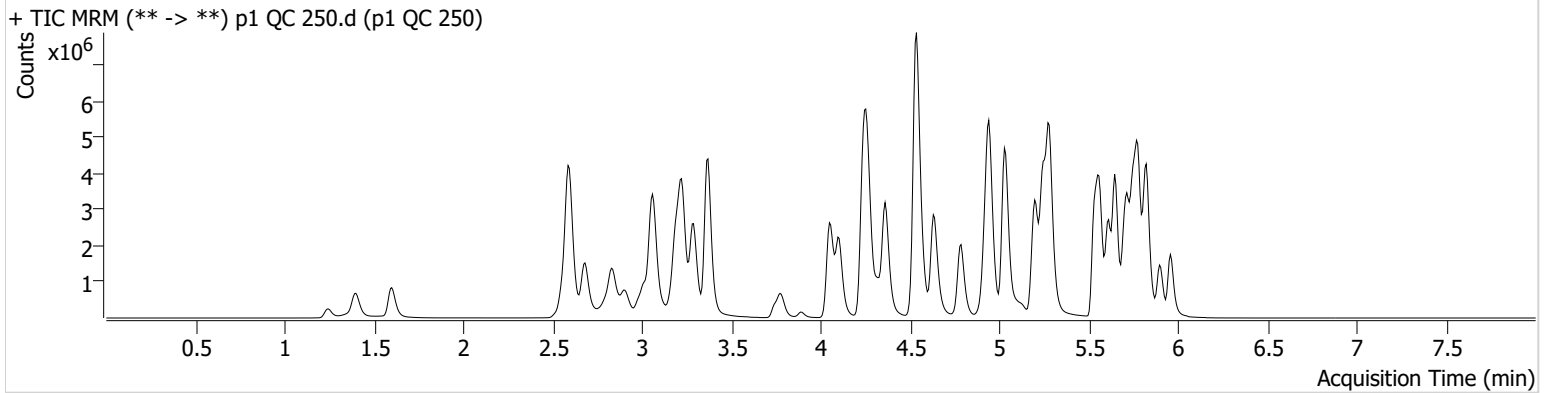
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

Instrument	Falco (069901)	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-F11	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 8:18:05 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	101554	1545.76	70.7	552037.24	100023	24.2408 ng/ml
7-aminoclonazepam	4.271	1078699	264.77	78.5	2905.17	153803	240.3138 ng/ml
a-hydroxyalprazolam	5.692	660063	2238.16	57.6	864.31	376191	203.6648 ng/ml *
alpha-PHP	4.930	1112491	4679.05	272.0	7272.19	874554	242.6210 ng/ml
alpha-PVP	4.363	4937808	2949.15	51.3	38069.73	874554	244.2058 ng/ml
Alprazolam	5.775	2832227	1712.52	111.5	30823.64	376191	254.2754 ng/ml
Amphetamine	3.063	7127734	90633.22	46.8	4113.28	340801	225.1516 ng/ml
Benzoylcegonine	3.892	171976	35970.12	7.8	1845.73	24326	259.6037 ng/ml
Buprenorphine	5.887	84228	606.40	13.8	34412.04	116362	23.4421 ng/ml
Bupropion	4.788	3258414	100793.43	60.5	10551.91	475565	247.4751 ng/ml
Carisoprodol	5.730	2043721	349711.27	58.0	6195.42	412345	240.8078 ng/ml
Citalopram	5.205	2694961	24278.90	40.8	786.99	500882	244.8132 ng/ml
Clonazepam	5.612	2752366	56791.88	32.2	22642.00	141696	239.8780 ng/ml
Clonazepam	5.549	1986961	57706.19	36.8	1032483.89	141696	249.6363 ng/ml
Cocaine	4.257	3985740	49908541.22	50.4	33862.25	1451172	247.1845 ng/ml
Codeine	2.573	389101	878.01	100.2	8234.77	91014	234.3897 ng/ml
Cyclobenzaprine	5.615	1816893	84748.13	9.6	499856.27	293783	250.3633 ng/ml
Dextromethorphan	5.255	1392990	16884.30	81.4	1156.22	268736	246.9982 ng/ml
Dextrophan	4.105	1425153	20782.64	206.4	4997.90	685764	248.2618 ng/ml
Diazepam	5.960	1922232	13874.17	86.4	15983.65	363807	246.4889 ng/ml
Dihydrocodeine	2.552	1201520	1165.61	67.1	913.05	318883	249.6952 ng/ml
Diphenhydramine	5.282	7070000	104043.31	31.6	37909.77	1700896	243.0473 ng/ml
Doxylamine	4.536	11287839	135958.21	96.1	101733.04	1908257	265.3215 ng/ml
EDDP	5.248	4227135	2200.73	41.2	29010.35	885949	245.6009 ng/ml
Etizolam	5.820	1843205	3570.46	25.4	64277.12	141696	225.9101 ng/ml
Fentanyl	5.103	197289	6601.40	67.5	6086.12	394869	24.3073 ng/ml
Flualprazolam	5.705	1193105	3718.88	102.3	33806.28	376191	257.3049 ng/ml
Fluoxetine	5.707	1903896	37542.28	8.4	535.60	327985	250.4586 ng/ml
Hydrocodone	3.012	1669818	472.48	40.6	1572.98	898487	245.6728 ng/ml
Hydromorphone	1.601	1516011	315732.18	78.4	6287.94	8977	234.5559 ng/ml
Ketamine	4.051	3800064	∞	36.2	711.53	746055	243.8405 ng/ml
Lamotrigine	4.273	272348	7598.10	80.0	17229.57	746055	230.8612 ng/ml
Levetiracetam	2.683	1515680	16030.50	169.5	8604.22	1709493	245.7345 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1649462	6363.89	56.5	1560.97	141696	162.5608 ng/ml *
MDA	3.196	4453633	51050.50	22.7	4441.02	493152	244.9500 ng/ml
MDMA	3.290	3918695	109810.07	73.2	13070.10	139318	249.9108 ng/ml
Meprobamate	4.911	1132515	41163.60	29.0	289.66	301848	204.8397 ng/ml
Methadone	5.646	4798560	51492.43	48.8	31805.87	863784	245.3206 ng/ml
Methamphetamine	3.231	6568190	3520.30	36.5	1320.45	1168912	251.1465 ng/ml
Metoprolol	4.319	935183	6145.48	93.0	31392.60	1806864	248.6811 ng/ml
Mirtazapine	4.631	4987032	184806.23	51.5	31464.61	874554	297.4629 ng/ml
Mitragynine	5.237	763091	32599.15	39.4	1590.05	863784	280.8058 ng/ml
Morphine	1.247	221651	1202.94	38.7	2290.80	8977	237.7238 ng/ml
Norbuprenorphine	4.979	9298	17699.61	94.3	32867.06	18218	23.3250 ng/ml
Nordiazepam	5.900	1855819	1647.18	55.4	668.64	252468	246.7033 ng/ml
Norfentanyl	4.079	818667	1844.01	34.5	4337.74	1348096	23.7769 ng/ml
Norhydrocodone	3.059	196485	226.70	42.7	144.34	71694	234.3905 ng/ml
Noroxycodone	2.903	1647692	699.64	42.7	11525.47	223166	247.9250 ng/ml
O-desmethyl-tramadol	3.369	9144462	120373.88	6.5	765.11	2124032	253.9349 ng/ml
Oxazepam	5.756	2343959	39121.12	73.3	194.92	397015	248.4417 ng/ml
Oxycodone	2.827	3847583	4960.96	26.7	939.14	702692	246.2226 ng/ml
Oxymorphone	1.398	1611900	∞	43.6	1955.76	230568	252.2372 ng/ml
Phentermine	3.783	1671951	4043.98	4.2	3004.14	930962	237.1228 ng/ml
Promethazine	5.532	4756387	3221.51	27.8	1920.60	797480	255.6497 ng/ml
Pseudoephedrine	2.596	9322738	30497.67	15.6	38670.23	1709493	241.8944 ng/ml
Quetiapine	5.562	3220866	686.85	56.7	47683.02	167030	255.8179 ng/ml
Sertraline	5.776	1038519	3802.73	98.0	1169.32	203177	243.7172 ng/ml
Temazepam	5.823	4982183	68661.45	28.8	3354.33	989416	240.2139 ng/ml
Tramadol	4.239	9183619	3565.67	3.5	506.16	1806864	260.1461 ng/ml
Trazodone	5.190	2935358	99341.03	79.4	55218.81	513420	246.9912 ng/ml
Venlafaxine	5.030	8152127	4116.95	36.3	43156.76	1587049	251.3275 ng/ml
Zolpidem	4.941	8429982	7045.22	29.6	4307.15	1669183	257.6079 ng/ml

*Outside curve range

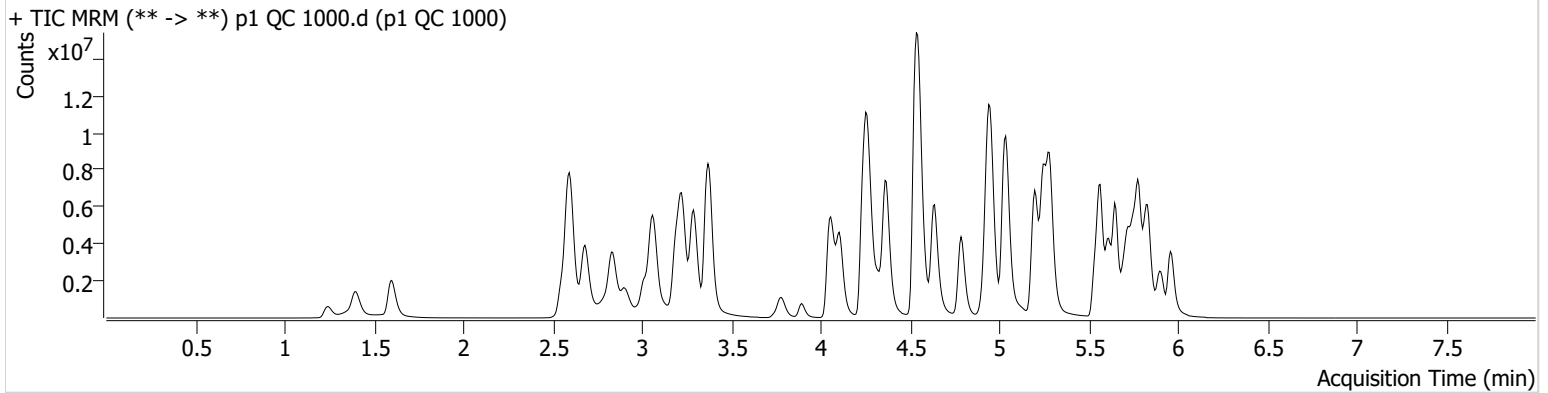
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

Instrument	Falco (069901)	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-E11	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 8:39:19 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	332304	2854.22	69.2	980938.71	76893	103.1608 ng/ml
7-aminoclonazepam	4.278	2072471	11646.97	78.1	∞	70472	1005.8621 ng/ml
a-hydroxyalprazolam	5.685	1026763	370.89	58.1	1474.62	235705	505.8546 ng/ml *
alpha-PHP	4.930	2191445	2228.35	278.3	273262.93	535478	782.1669 ng/ml *
alpha-PVP	4.370	12871165	13005.60	51.3	379195.76	535478	1038.8925 ng/ml
Alprazolam	5.782	6920960	664.05	110.3	2056.74	235705	991.3492 ng/ml
Amphetamine	3.063	12028153	6777.00	46.6	77704.43	171804	756.9152 ng/ml *
Benzoylcegonine	3.892	886919	1647.56	7.7	1159.83	21434	1521.0313 ng/ml *
Buprenorphine	5.887	112965	3819.41	13.7	31452.53	30661	118.8856 ng/ml
Bupropion	4.788	7215475	1112759.16	61.1	37765.91	264899	984.2383 ng/ml
Carisoprodol	5.730	3891327	257012.24	56.7	102018.80	176981	1067.0976 ng/ml
Citalopram	5.212	4481790	118600.36	40.9	2593.71	206084	989.0324 ng/ml
Clonazepam	5.612	6163053	61780.81	30.1	341309.16	82762	920.6493 ng/ml
Clonazepam	5.549	4114279	315833.71	36.5	144275.04	82762	885.3133 ng/ml
Cocaine	4.264	10046312	4873.99	49.6	1403.63	863442	1046.2911 ng/ml
Codeine	2.573	831519	101.97	95.3	226.90	55842	818.6078 ng/ml *
Cyclobenzaprine	5.615	1649067	625.69	9.2	16036.63	64364	1037.2203 ng/ml
Dextromethorphan	5.255	1816693	14761.93	81.0	160246.41	84215	1027.3153 ng/ml
Dextrophan	4.105	3339377	134726.93	210.6	2038.17	384336	1037.1462 ng/ml
Diazepam	5.960	4730208	547.06	88.0	21984.94	225337	979.3310 ng/ml
Dihydrocodeine	2.552	3051317	372.98	68.2	246.20	269028	753.1098 ng/ml *
Diphenhydramine	5.289	12507897	298618.39	32.3	30983.15	717662	1017.8581 ng/ml
Doxylamine	4.536	27114210	396600.08	97.1	334346.96	1374936	884.8147 ng/ml
EDDP	5.248	11415108	∞	40.3	64754.37	548654	1069.3505 ng/ml
Etizolam	5.820	4843240	14751.61	24.9	22473.29	82762	1009.0370 ng/ml
Fentanyl	5.109	266788	193.44	66.2	429.03	128866	100.7920 ng/ml
Flualprazolam	5.705	2636001	31056.66	104.5	55124.44	235705	908.2622 ng/ml
Fluoxetine	5.707	739118	35825.18	8.2	5768.52	31726	1007.6968 ng/ml
Hydrocodone	3.012	4494410	336.87	41.1	523.60	679342	876.2332 ng/ml
Hydromorphone	1.601	4085665	5395088.94	78.2	11863120.5	6203	916.1165 ng/ml
Ketamine	4.051	10469011	336219.59	35.0	10517.06	535643	936.7730 ng/ml
Lamotrigine	4.287	562447	15992.37	80.6	3597.01	535643	665.8378 ng/ml *

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.683	4085473	19291.14	171.4	4130.42	907572	1245.4236 ng/ml *
Lorazepam	5.747	1916247	60007.68	57.4	656.90	82762	324.5180 ng/ml *
MDA	3.196	8083213	31255.79	22.1	3285.43	261514	841.4742 ng/ml
MDMA	3.290	9400643	9440.70	73.2	4432.74	81814	1020.7224 ng/ml
Meprobamate	4.911	2044461	34121.89	28.5	163739.70	209702	533.8628 ng/ml *
Methadone	5.653	7850542	1533.49	48.5	572801.49	346495	999.7135 ng/ml
Methamphetamine	3.224	12152462	24691.11	35.9	6059.93	636502	857.0956 ng/ml
Metoprolol	4.326	2161084	2189.98	92.1	13046.45	1213301	857.3670 ng/ml
Mirtazapine	4.637	10616026	106501.16	51.6	187981.56	535478	1034.7050 ng/ml
Mitragynine	5.237	833786	1754.08	39.9	2164.40	346495	765.4106 ng/ml *
Morphine	1.247	615845	409.84	39.5	15752.91	6203	955.5788 ng/ml
Norbuprenorphine	4.986	13695	63.96	92.1	1667.05	6293	99.7625 ng/ml
Nordiazepam	5.906	3839464	∞	55.6	695.42	134332	959.4421 ng/ml
Norfentanyl	4.079	2176316	23155.26	33.5	14483.44	753120	112.8579 ng/ml
Norhydrocodone	3.060	535802	173.19	44.2	194.92	43871	1041.8568 ng/ml
Noroxycodone	2.903	3464656	1088.15	42.6	8979.38	119634	972.6332 ng/ml
O-desmethyl-tramadol	3.375	22920456	442490.66	7.1	74291.55	1428402	945.9163 ng/ml
Oxazepam	5.756	2663431	10559.42	71.6	11260.35	119147	941.7103 ng/ml
Oxycodone	2.827	11375862	3137.03	26.4	4464.81	527309	970.5724 ng/ml
Oxymorphone	1.398	4317349	∞	42.6	∞	162252	960.6136 ng/ml
Phentermine	3.783	3312703	∞	4.0	174.92	567758	772.4859 ng/ml *
Promethazine	5.532	4075669	105683.34	27.5	3252.33	170015	1027.5188 ng/ml
Pseudoephedrine	2.596	21663485	254277.47	15.8	∞	907572	1056.7816 ng/ml
Quetiapine	5.562	7957480	2083796.29	58.5	35873.38	102009	1035.5772 ng/ml
Sertraline	5.776	366496	17093.36	98.5	6502.28	18831	929.1778 ng/ml
Temazepam	5.830	8122338	103795.23	28.6	12283.59	344578	1123.0909 ng/ml
Tramadol	4.239	20687168	694.36	3.7	580.49	1213301	873.8586 ng/ml
Trazodone	5.190	7714542	266621.03	80.3	91403.82	338135	986.2835 ng/ml
Venlafaxine	5.039	20289827	367389.69	38.6	2102.53	988598	1003.0758 ng/ml
Zolpidem	4.948	22275980	11676.34	32.6	144732.31	1272847	892.9608 ng/ml

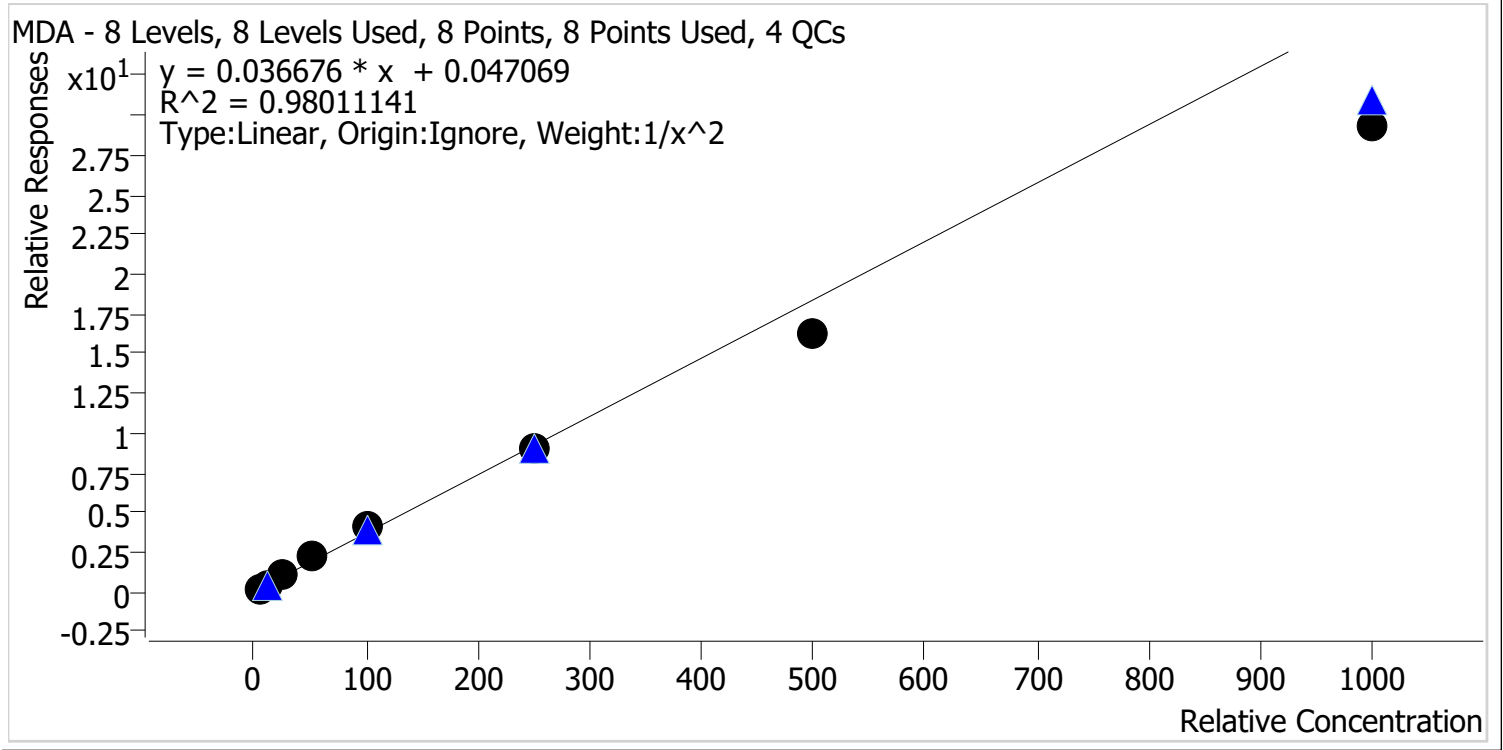
*Outside curve range

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

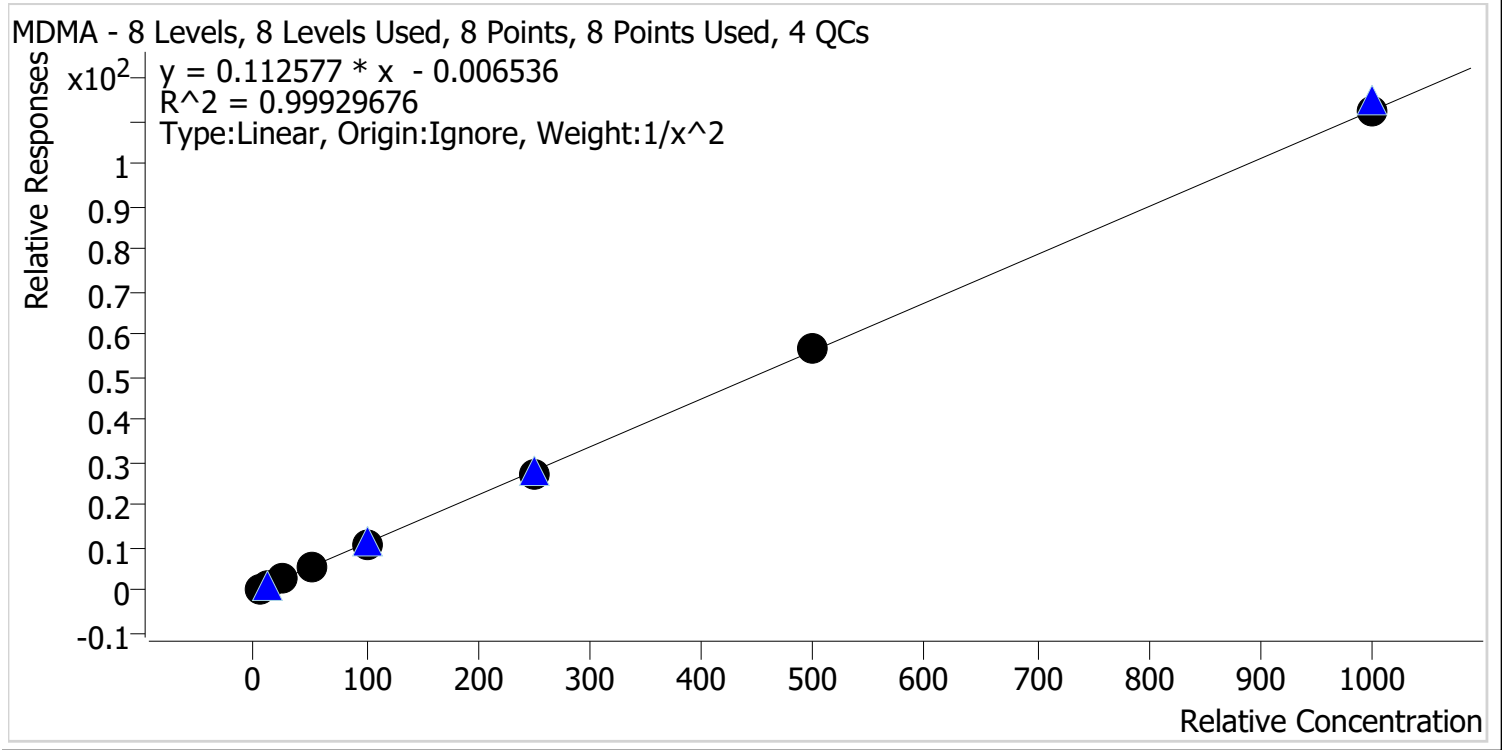


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.8
p1 Cal 2-10ng	2	✓	10.0	10.5	104.9
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.9
p1 Cal 4-50ng	4	✓	50.0	58.5	117.1
p1 Cal 5-100ng	5	✓	100.0	109.8	109.8
p1 Cal 6-250ng	6	✓	250.0	242.2	96.9
p1 Cal 7-500ng	7	✓	500.0	442.1	88.4
p1 Cal 8-1000ng	8	✓	1000.0	801.0	80.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

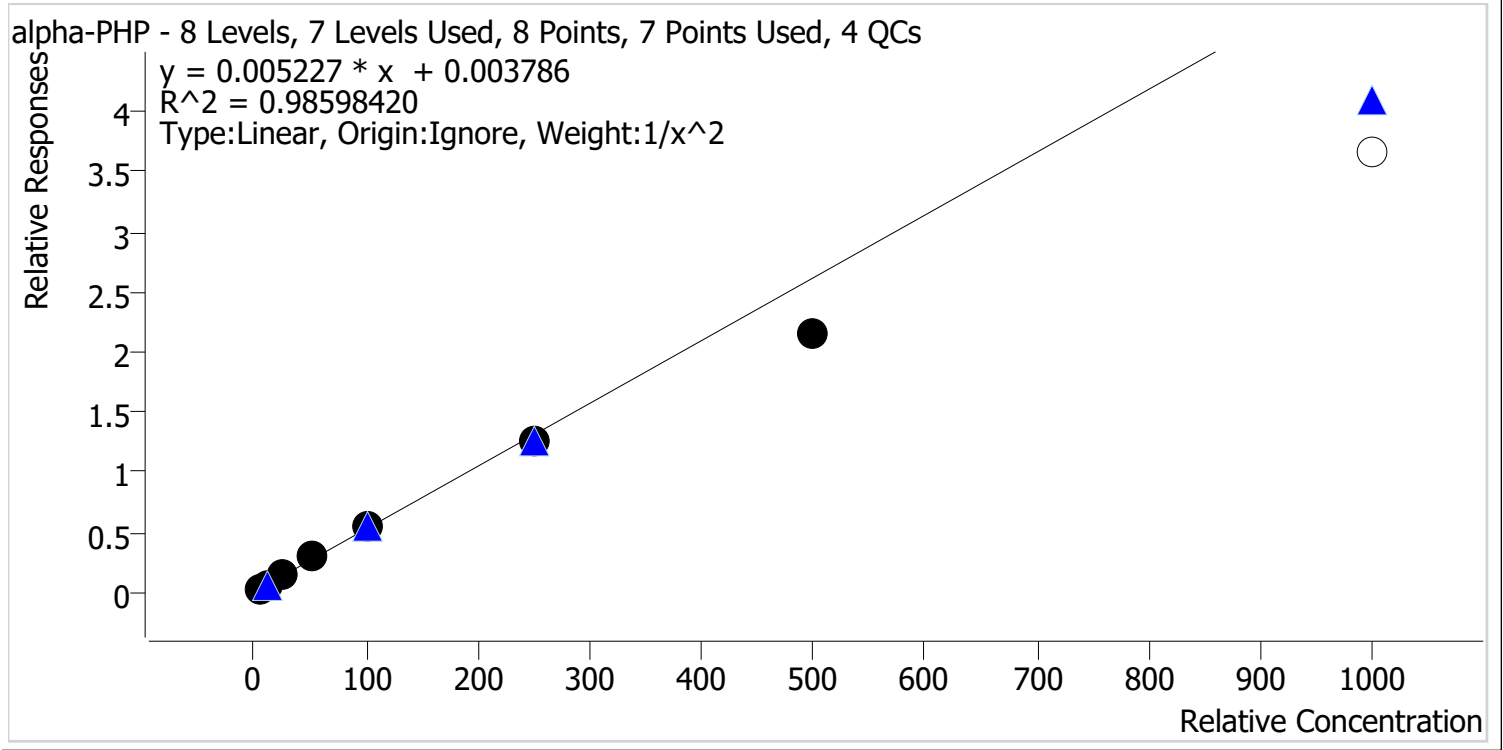


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	243.1	97.2
p1 Cal 7-500ng	7	✓	500.0	506.9	101.4
p1 Cal 8-1000ng	8	✓	1000.0	998.3	99.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8



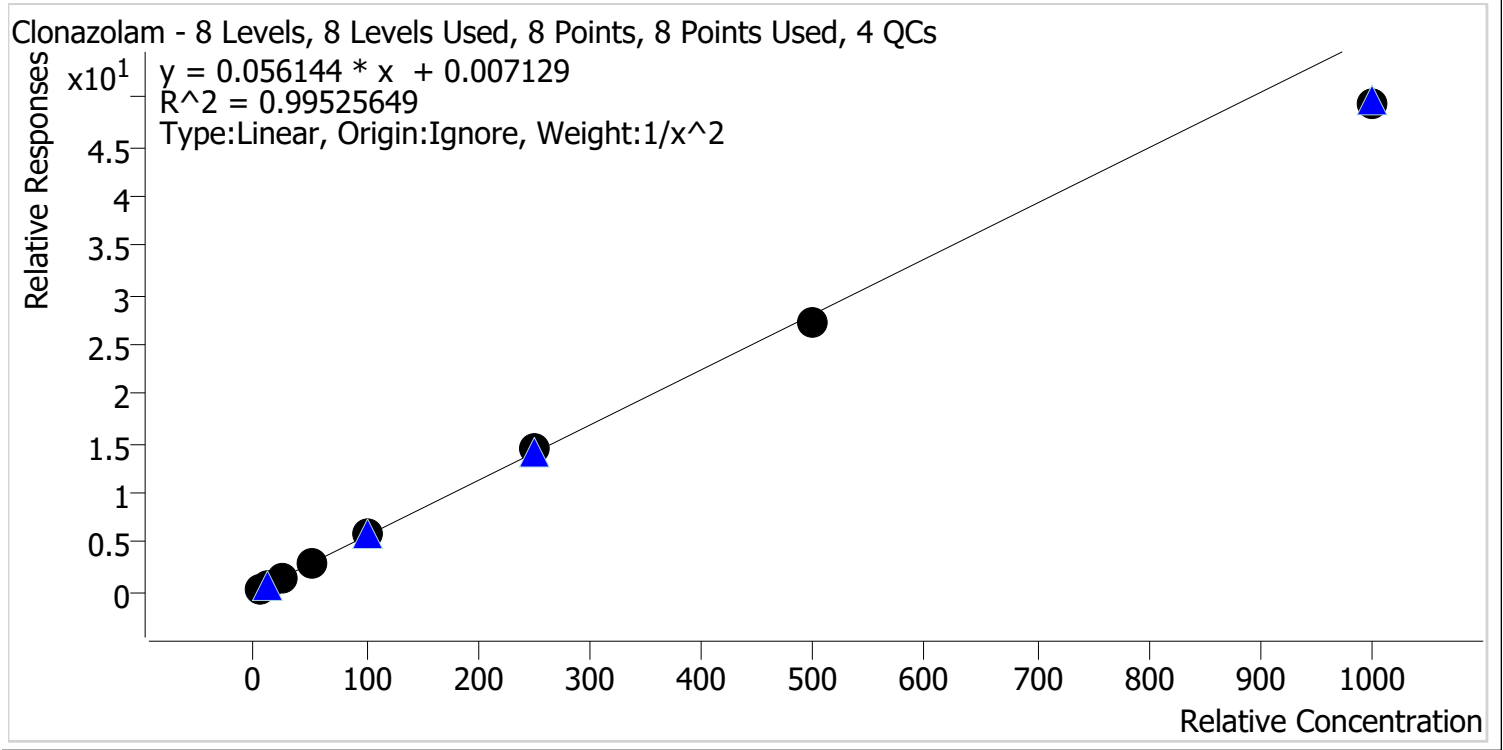
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	57.6	115.3
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	237.6	95.0
p1 Cal 7-500ng	7	✓	500.0	413.9	82.8
p1 Cal 8-1000ng	8	✗	1000.0	702.5	70.3

Calibrator 8 dropped due to not meeting accuracy requirement



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4



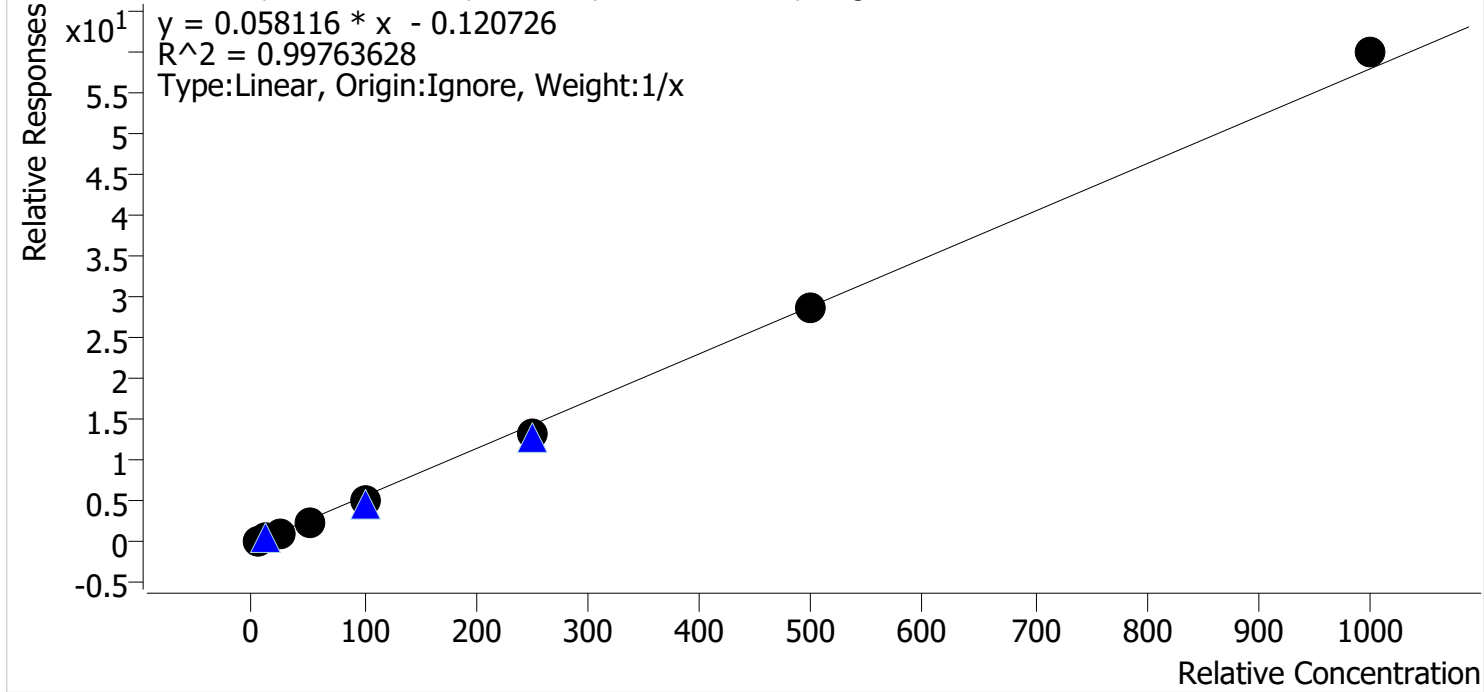
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	487.0	97.4
p1 Cal 8-1000ng	8	✓	1000.0	877.8	87.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4

Etizolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



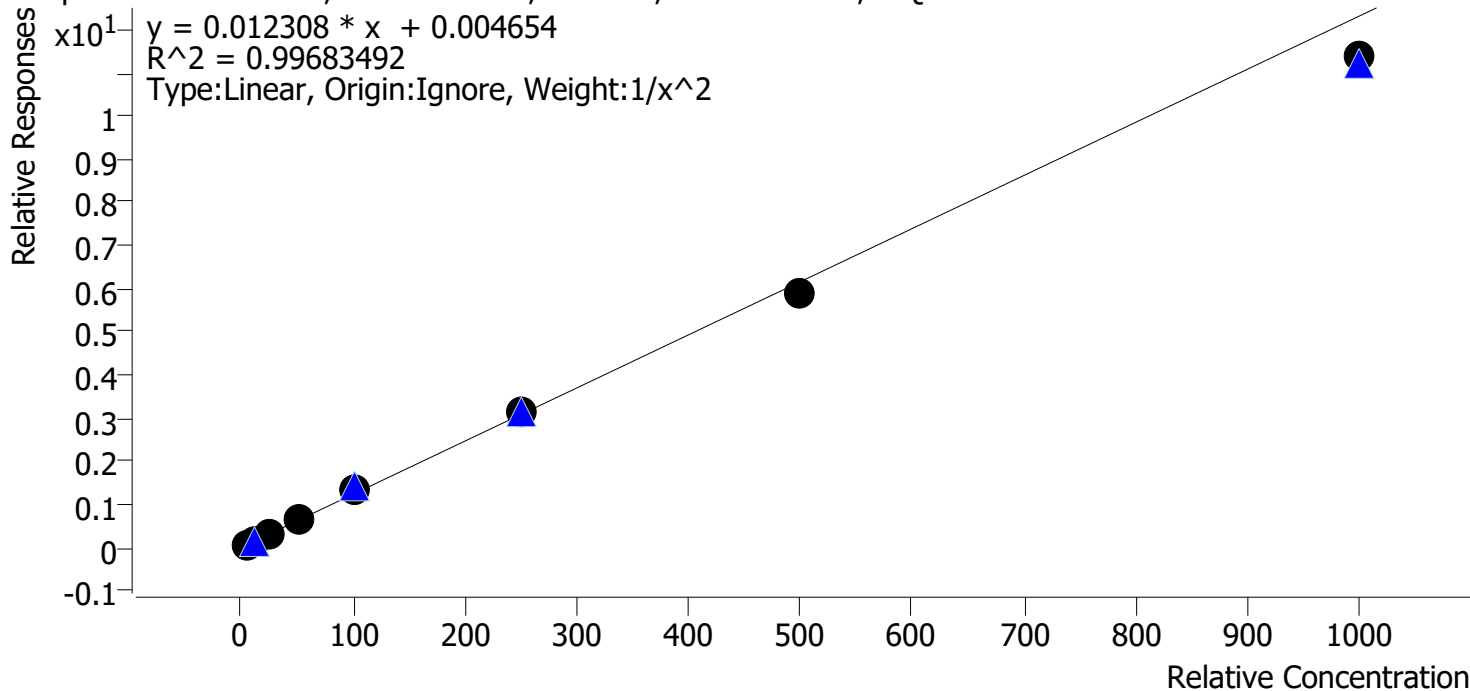
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.3	125.5
p1 Cal 2-10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.6
p1 Cal 4-50ng	4	✓	50.0	46.7	93.4
p1 Cal 5-100ng	5	✓	100.0	90.0	90.0
p1 Cal 6-250ng	6	✓	250.0	232.1	92.9
p1 Cal 7-500ng	7	✓	500.0	497.4	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1034.2	103.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5

Flualprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

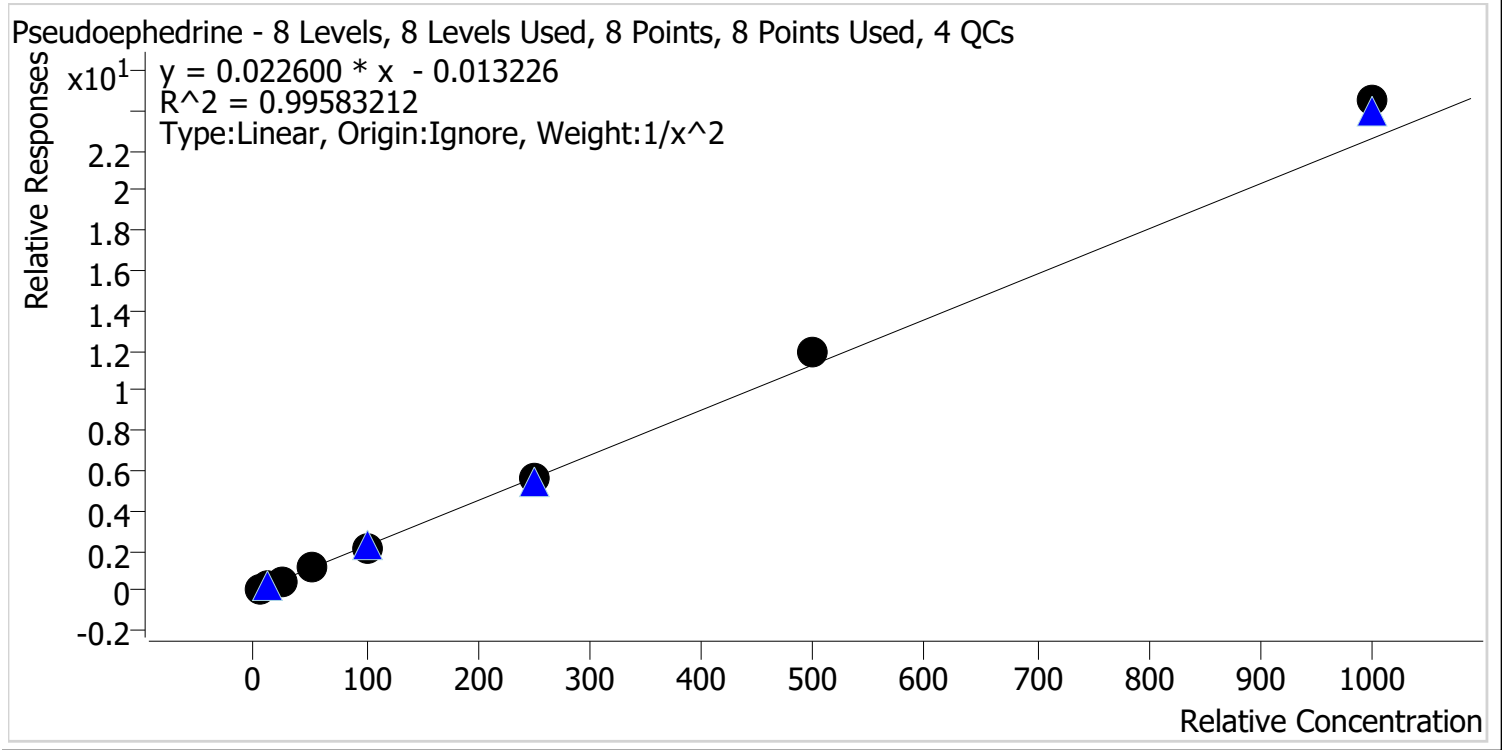


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	476.6	95.3
p1 Cal 8-1000ng	8	✓	1000.0	923.8	92.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

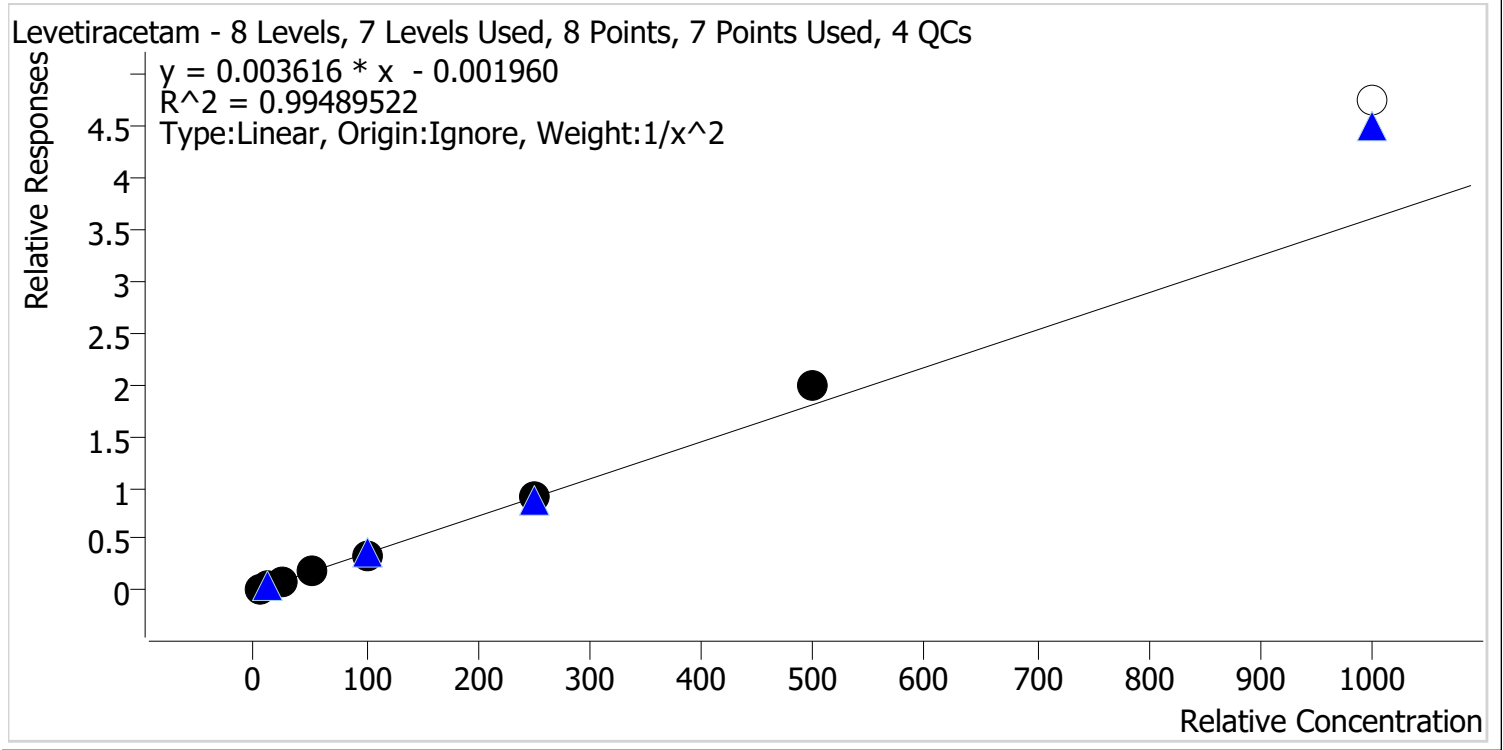


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.0
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.3
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	249.1	99.7
p1 Cal 7-500ng	7	✓	500.0	527.1	105.4
p1 Cal 8-1000ng	8	✓	1000.0	1083.6	108.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.1
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	553.0	110.6
p1 Cal 8-1000ng	8	✗	1000.0	1316.5	131.6

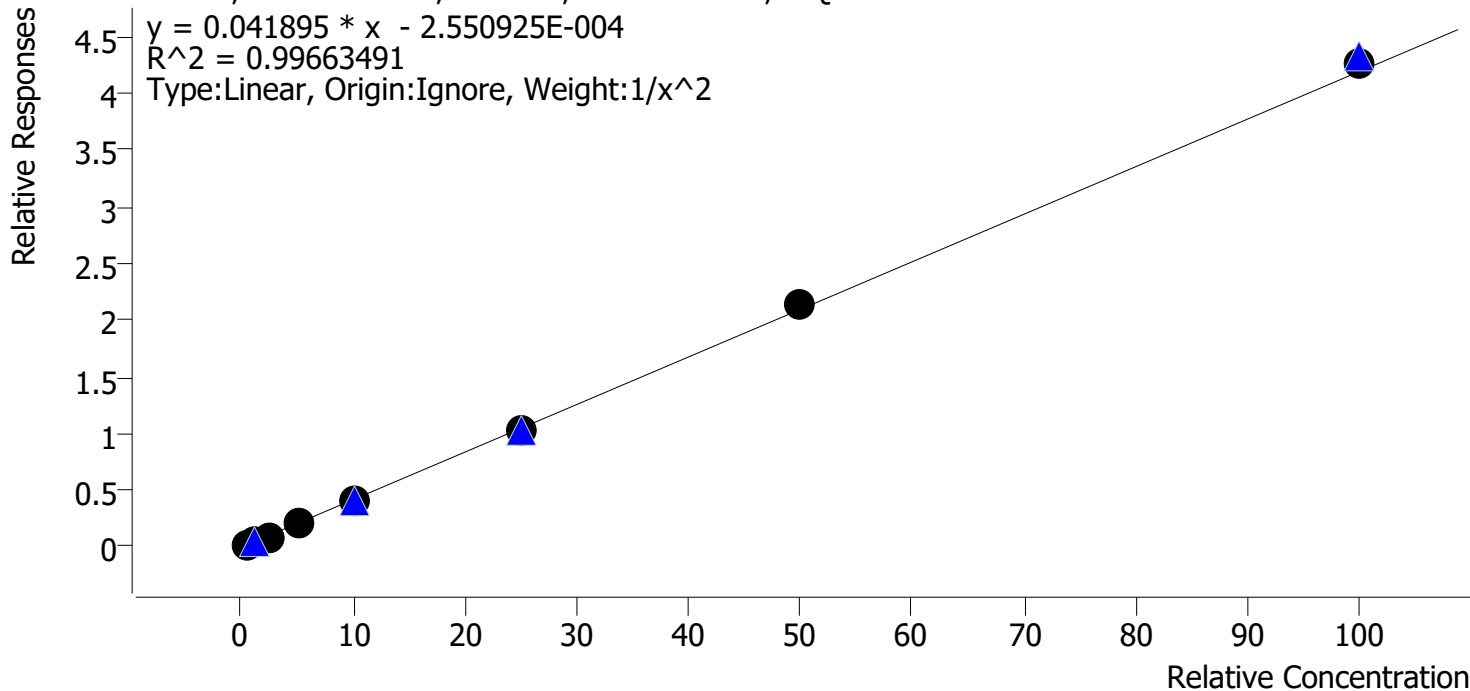
Calibrator 8 dropped due to not meeting accuracy requirement



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

6-MAM - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

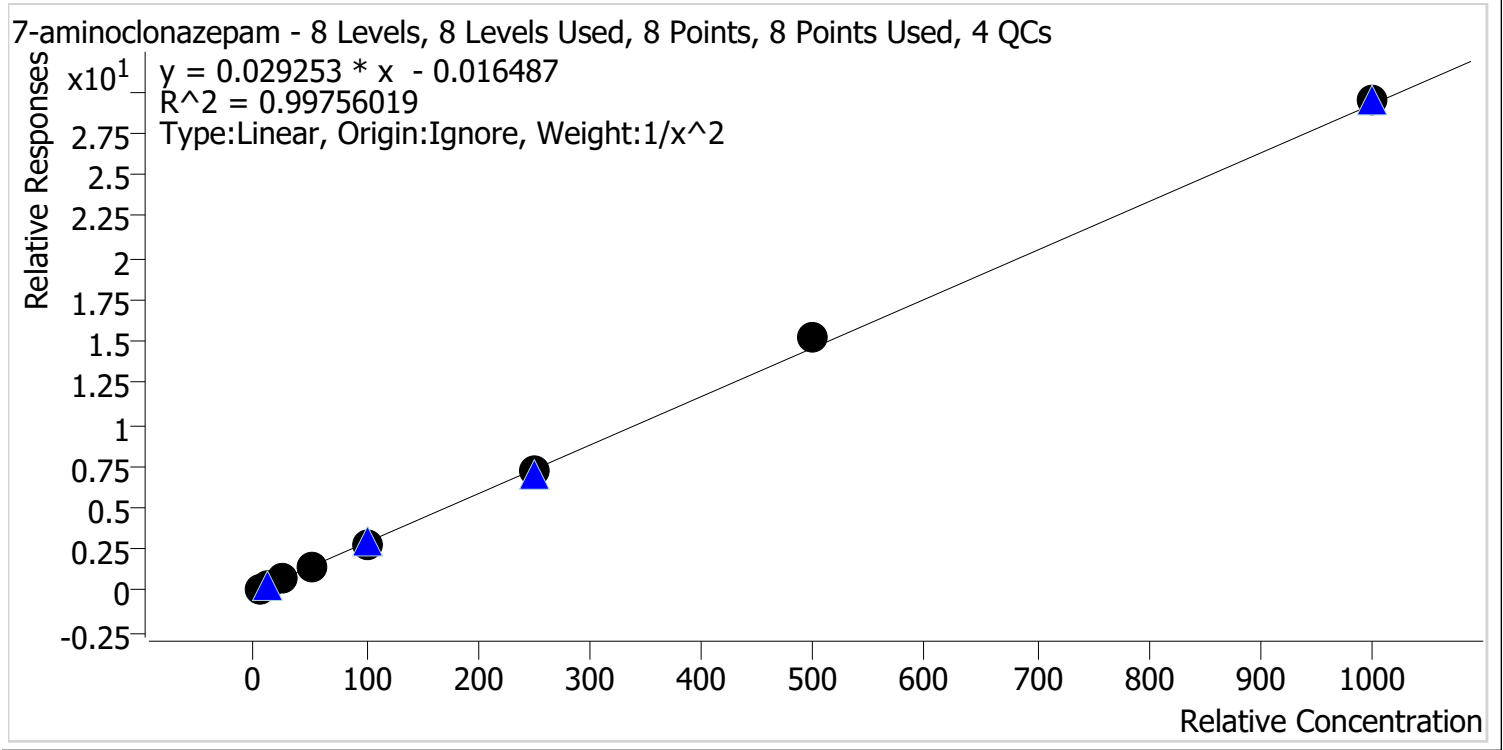


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.0
p1 Cal 2-10ng	2	✓	1.0	0.9	93.8
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.9
p1 Cal 4-50ng	4	✓	5.0	5.3	106.8
p1 Cal 5-100ng	5	✓	10.0	9.9	99.2
p1 Cal 6-250ng	6	✓	25.0	24.9	99.6
p1 Cal 7-500ng	7	✓	50.0	51.4	102.8
p1 Cal 8-1000ng	8	✓	100.0	101.8	101.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

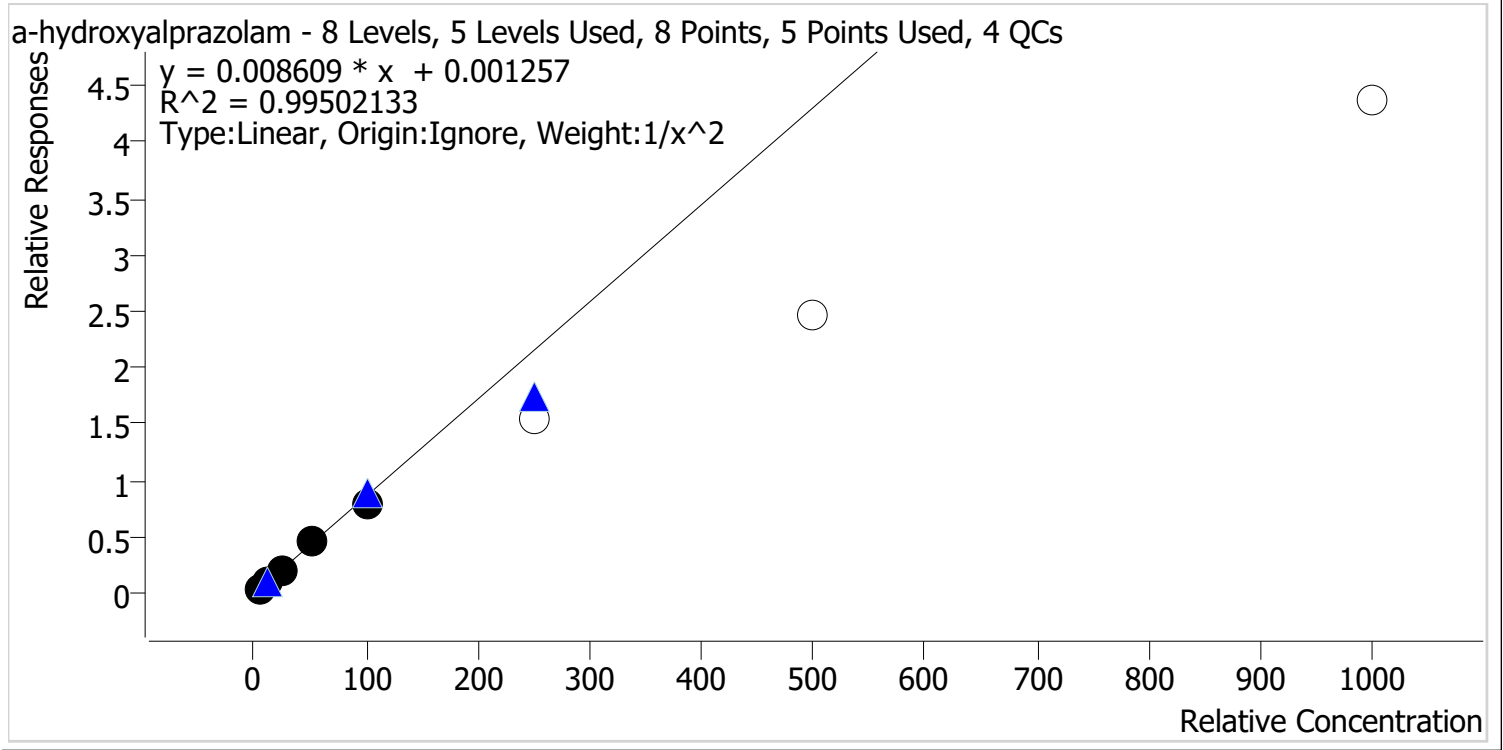


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	23.0	92.1
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	249.6	99.9
p1 Cal 7-500ng	7	✓	500.0	522.1	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1007.8	100.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



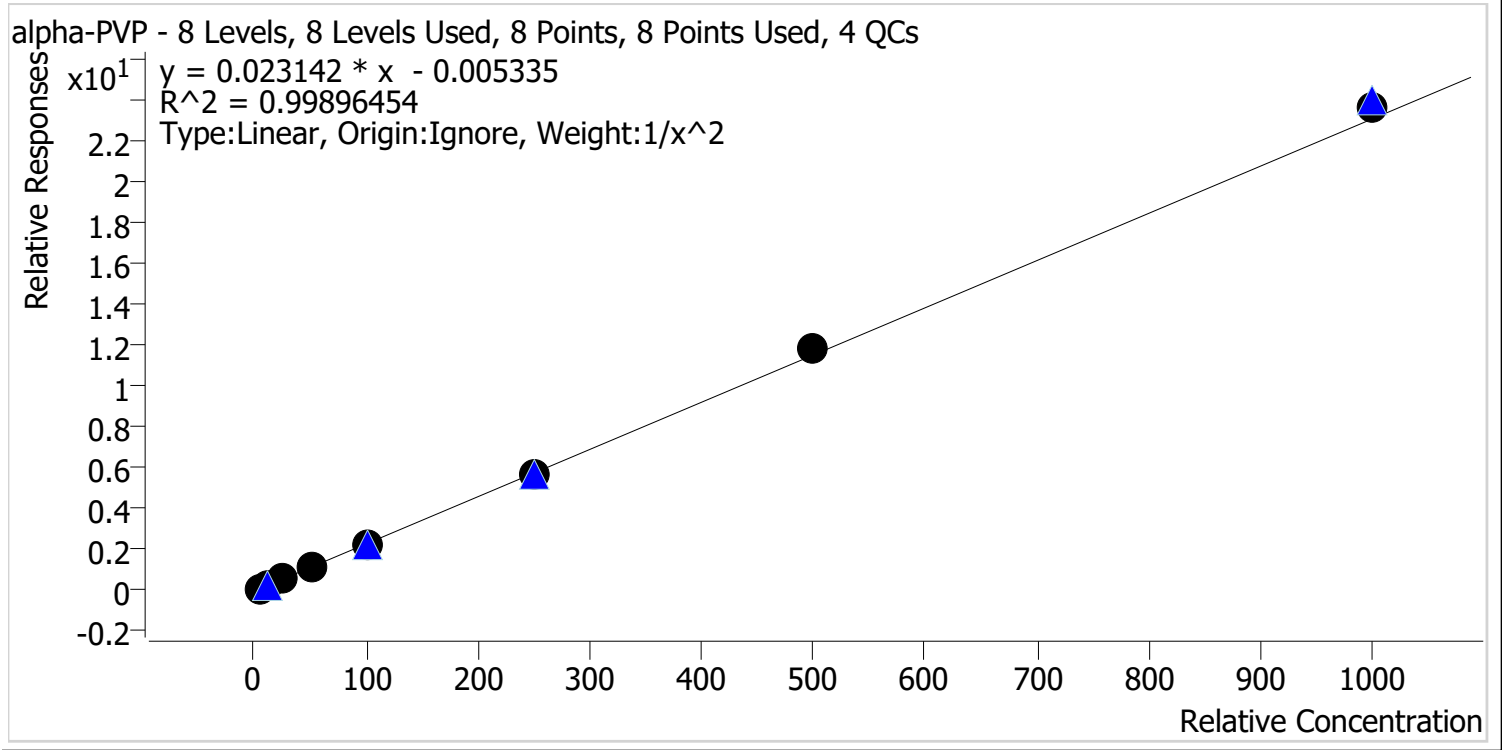
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.6	106.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	52.1	104.3
p1 Cal 5-100ng	5	✓	100.0	93.1	93.1
p1 Cal 6-250ng	6	✗	250.0	179.9	71.9
p1 Cal 7-500ng	7	✗	500.0	286.4	57.3
p1 Cal 8-1000ng	8	✗	1000.0	507.0	50.7

Calibrators 6, 7, and 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

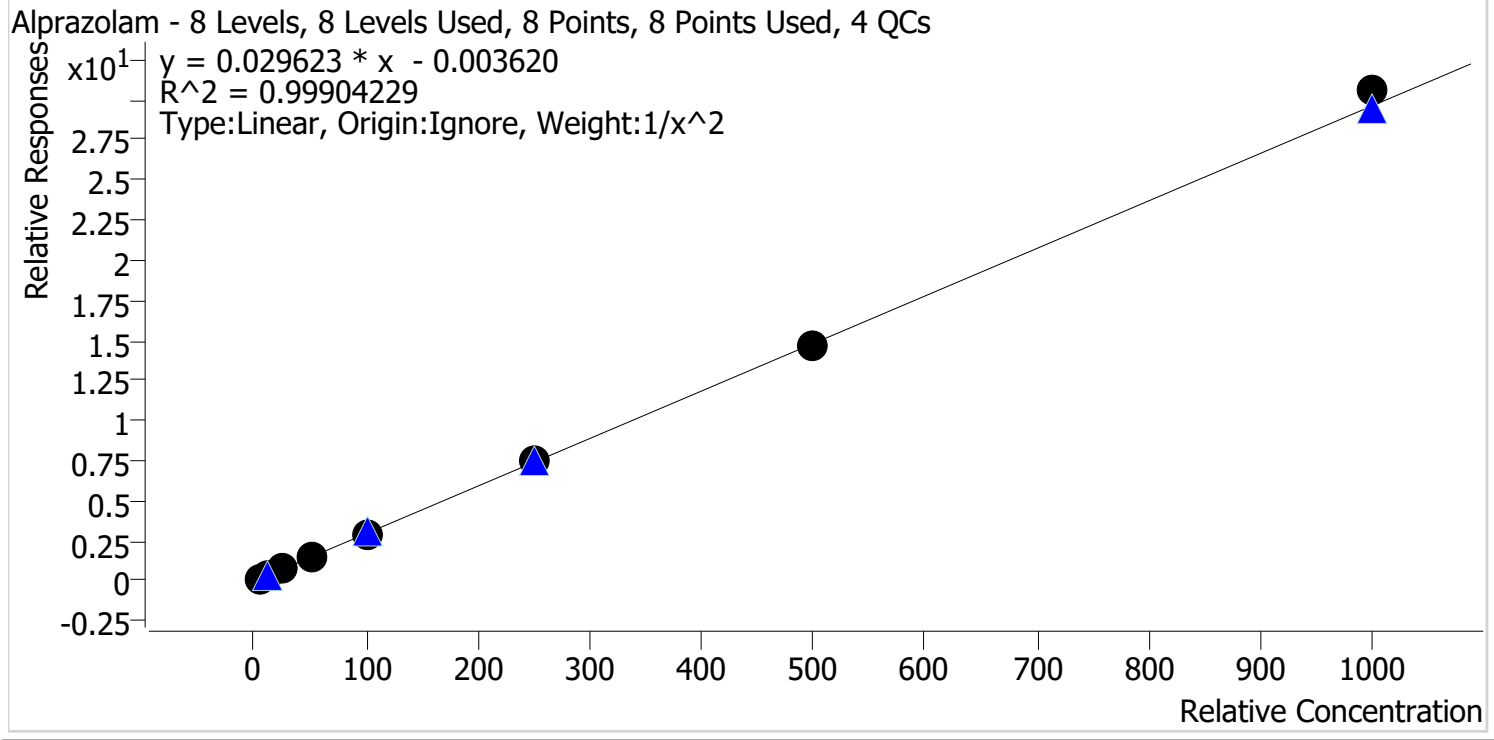


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	511.9	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1024.1	102.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

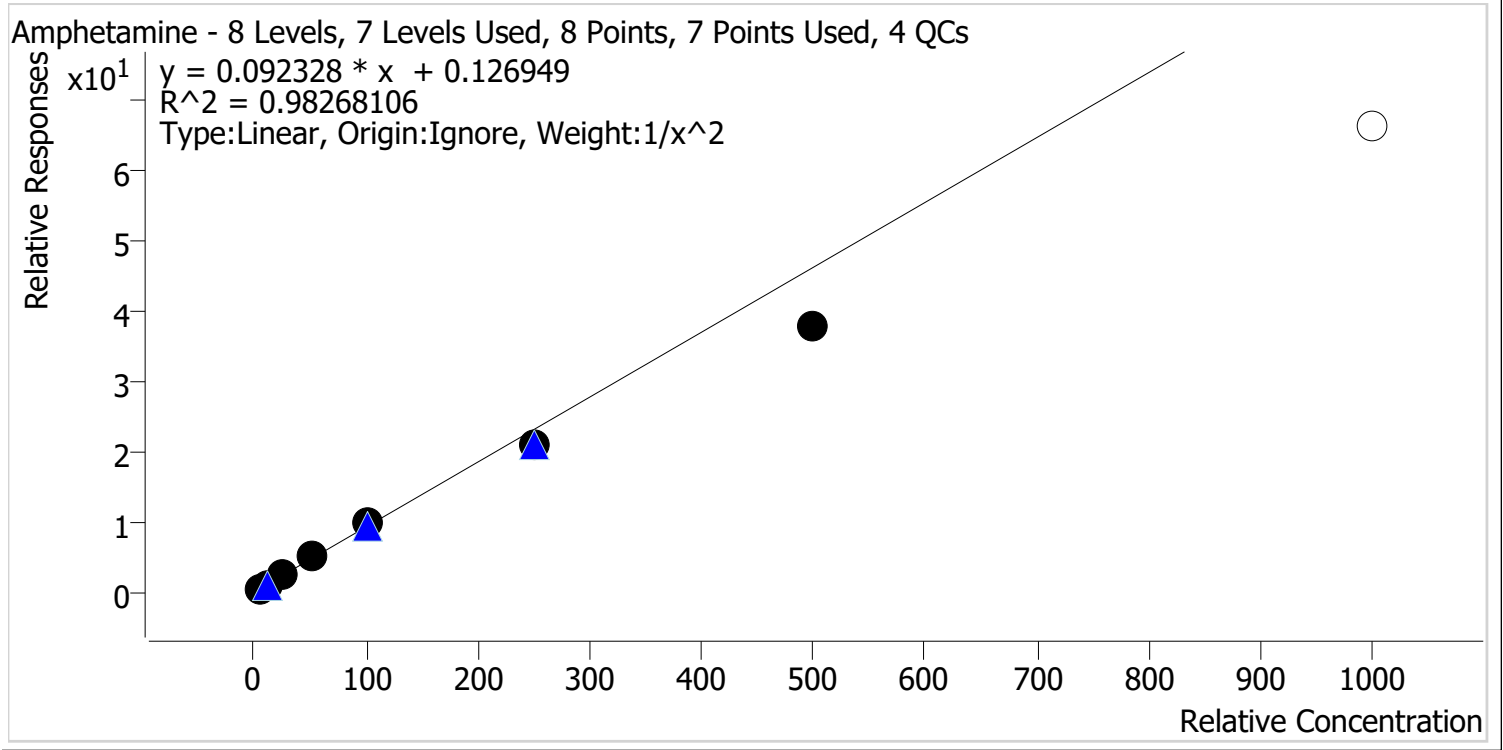


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	491.6	98.3
p1 Cal 8-1000ng	8	✓	1000.0	1032.1	103.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11



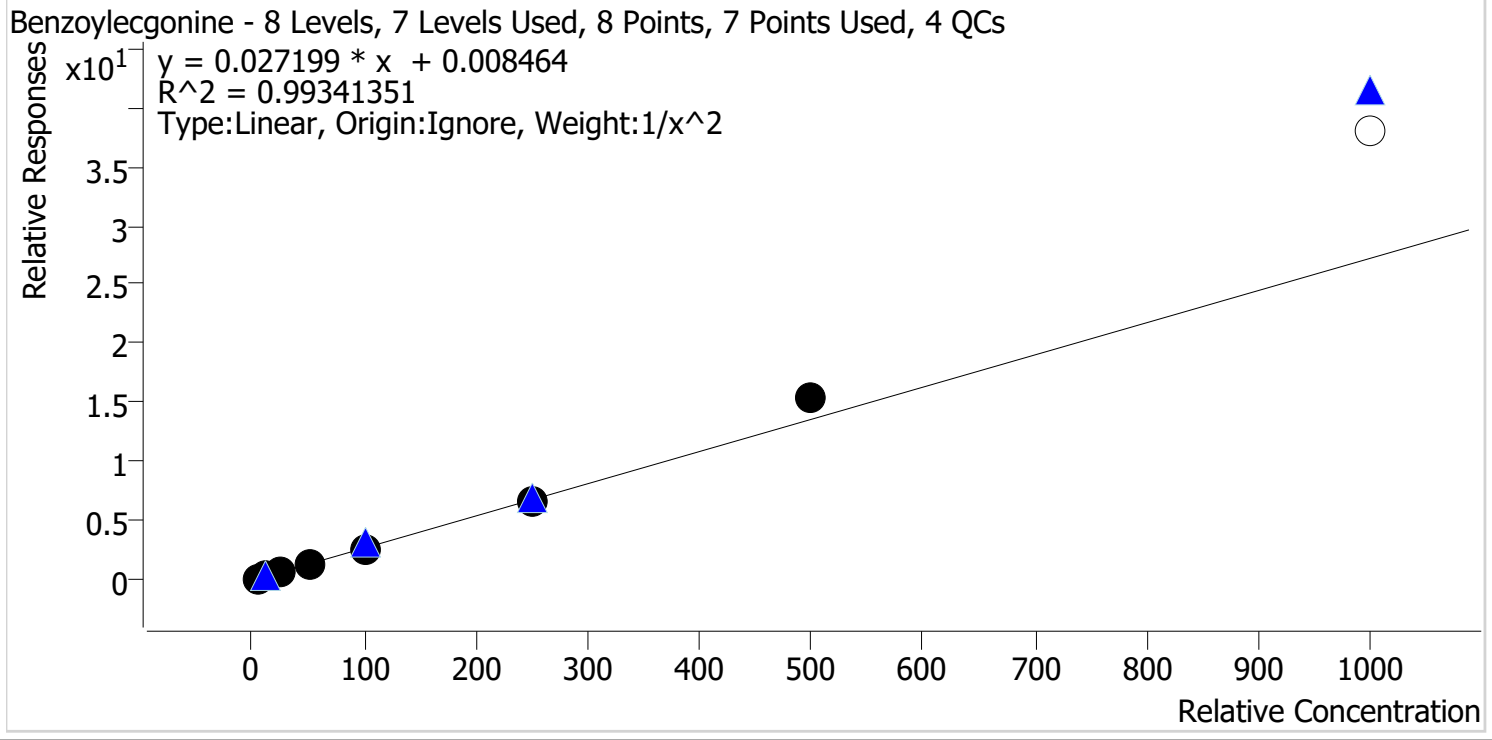
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.5
p1 Cal 2-10ng	2	✓	10.0	10.5	105.2
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.1
p1 Cal 4-50ng	4	✓	50.0	57.0	114.0
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	226.5	90.6
p1 Cal 7-500ng	7	✓	500.0	410.9	82.2
p1 Cal 8-1000ng	8	✗	1000.0	717.6	71.8

Calibrator 8 dropped due to not meeting accuracy requirement



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



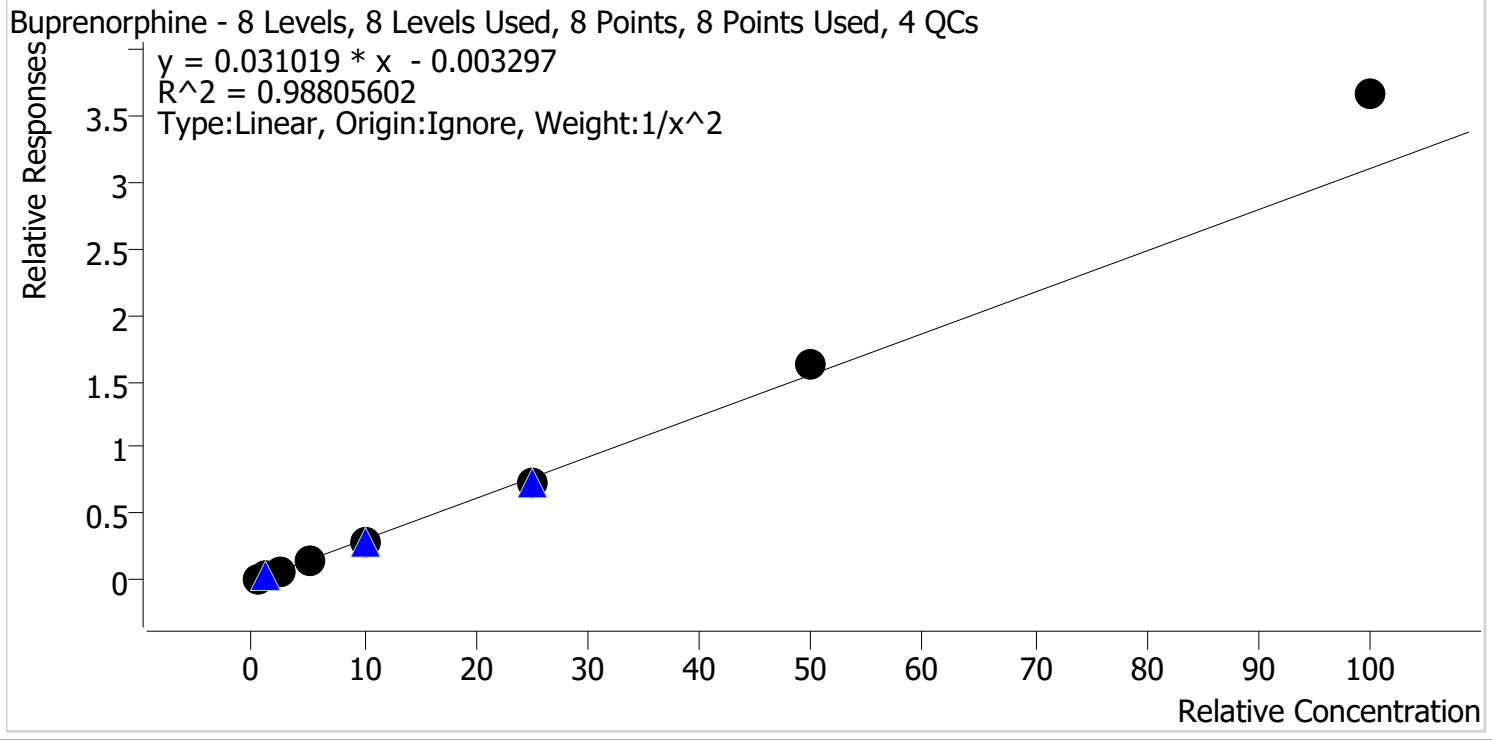
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	91.0	91.0
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	567.5	113.5
p1 Cal 8-1000ng	8	✗	1000.0	1390.6	139.1

Calibrator 8 dropped due to not meeting accuracy requirement



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

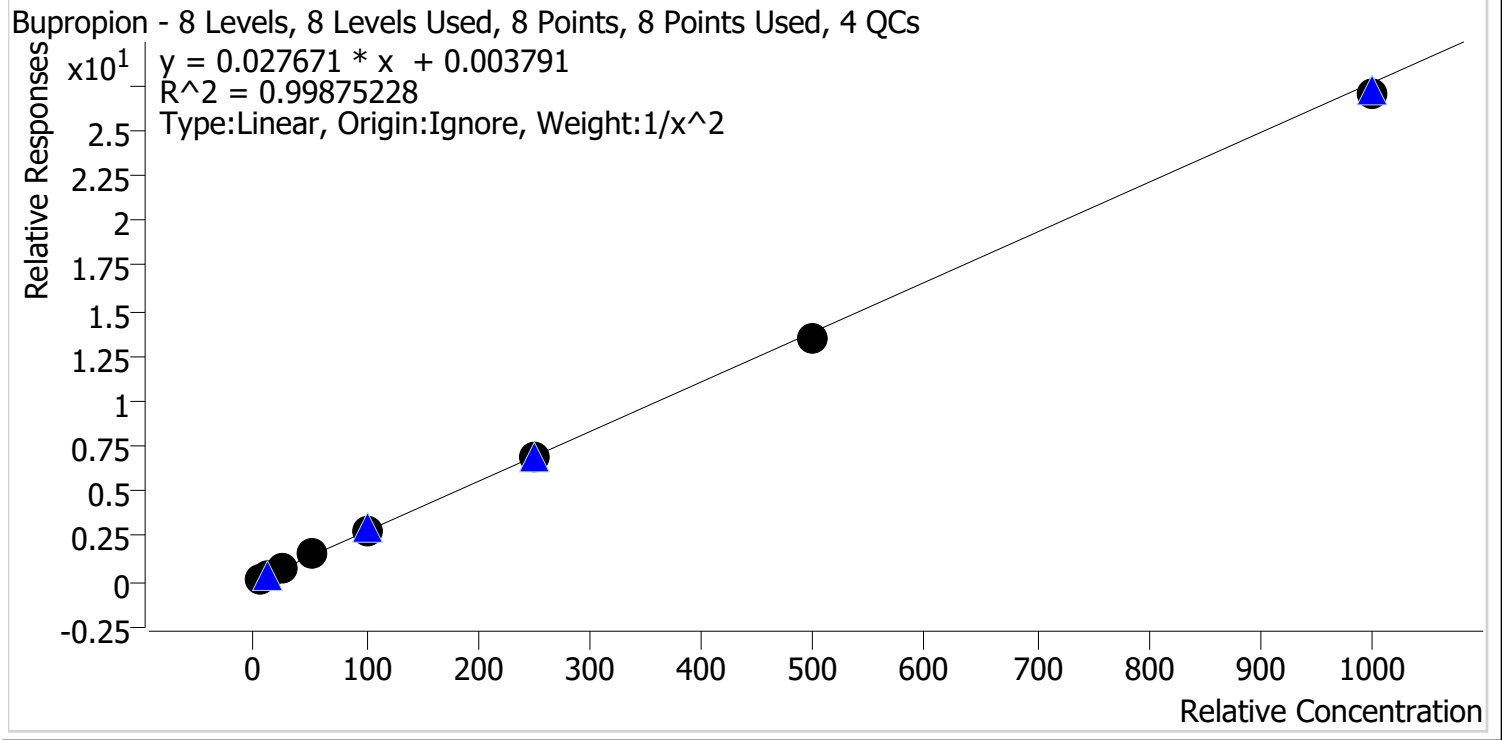


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	106.3
p1 Cal 2-10ng	2	✓	1.0	0.9	92.6
p1 Cal 3 -25ng	3	✓	2.5	2.2	88.2
p1 Cal 4-50ng	4	✓	5.0	5.0	99.2
p1 Cal 5-100ng	5	✓	10.0	9.6	96.0
p1 Cal 6-250ng	6	✓	25.0	23.5	94.0
p1 Cal 7-500ng	7	✓	50.0	53.0	105.9
p1 Cal 8-1000ng	8	✓	100.0	117.8	117.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

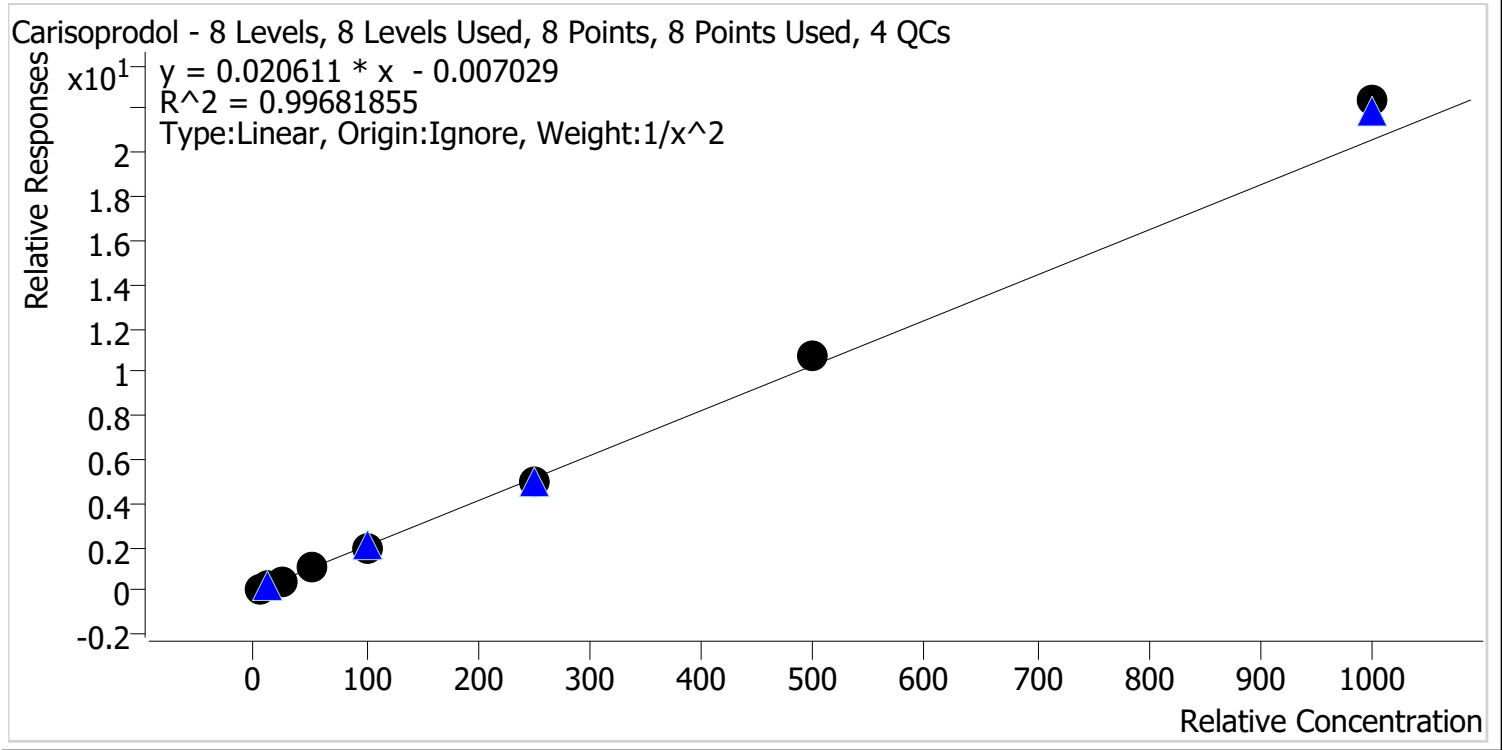


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	483.7	96.7
p1 Cal 8-1000ng	8	✓	1000.0	977.6	97.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

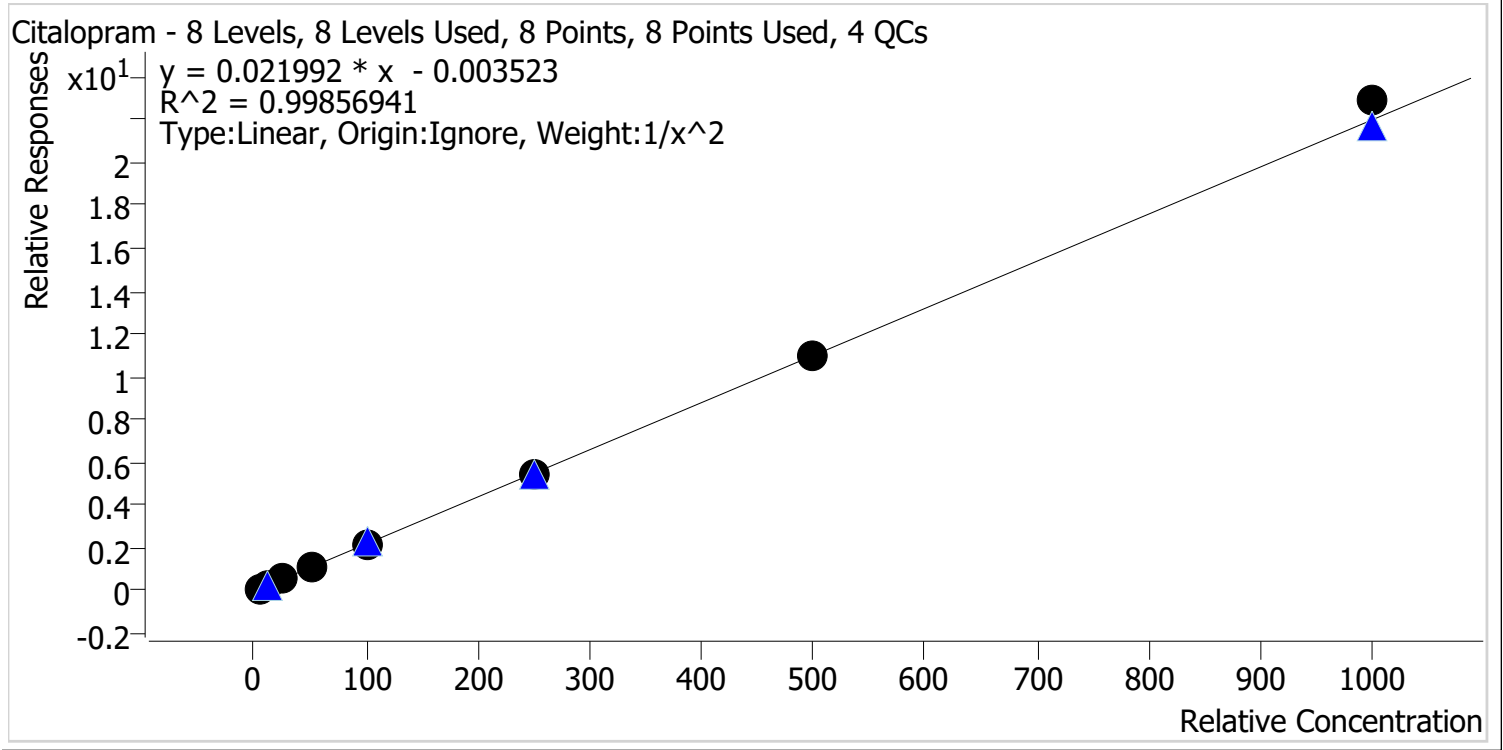


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	240.0	96.0
p1 Cal 7-500ng	7	✓	500.0	519.6	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1086.9	108.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

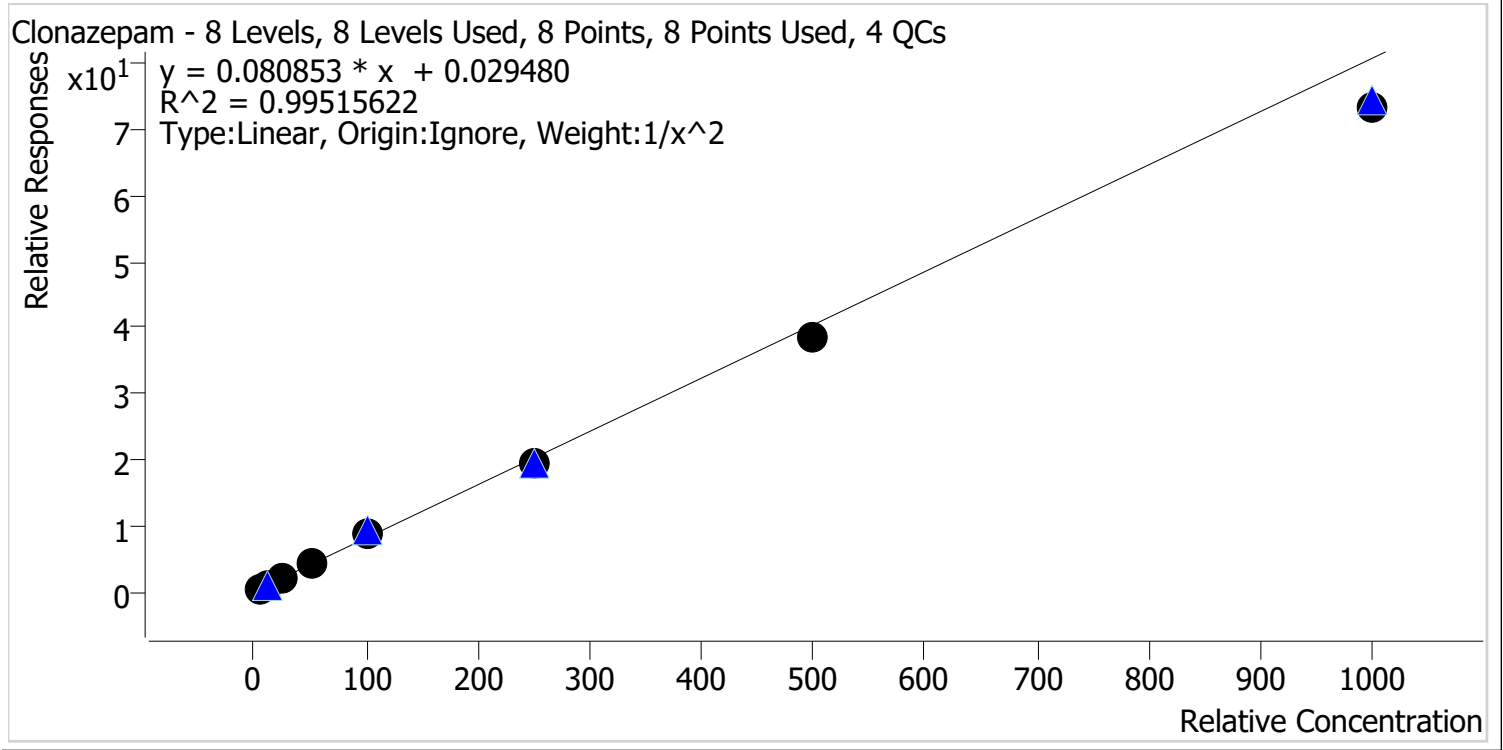


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	244.3	97.7
p1 Cal 7-500ng	7	✓	500.0	500.7	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1040.9	104.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

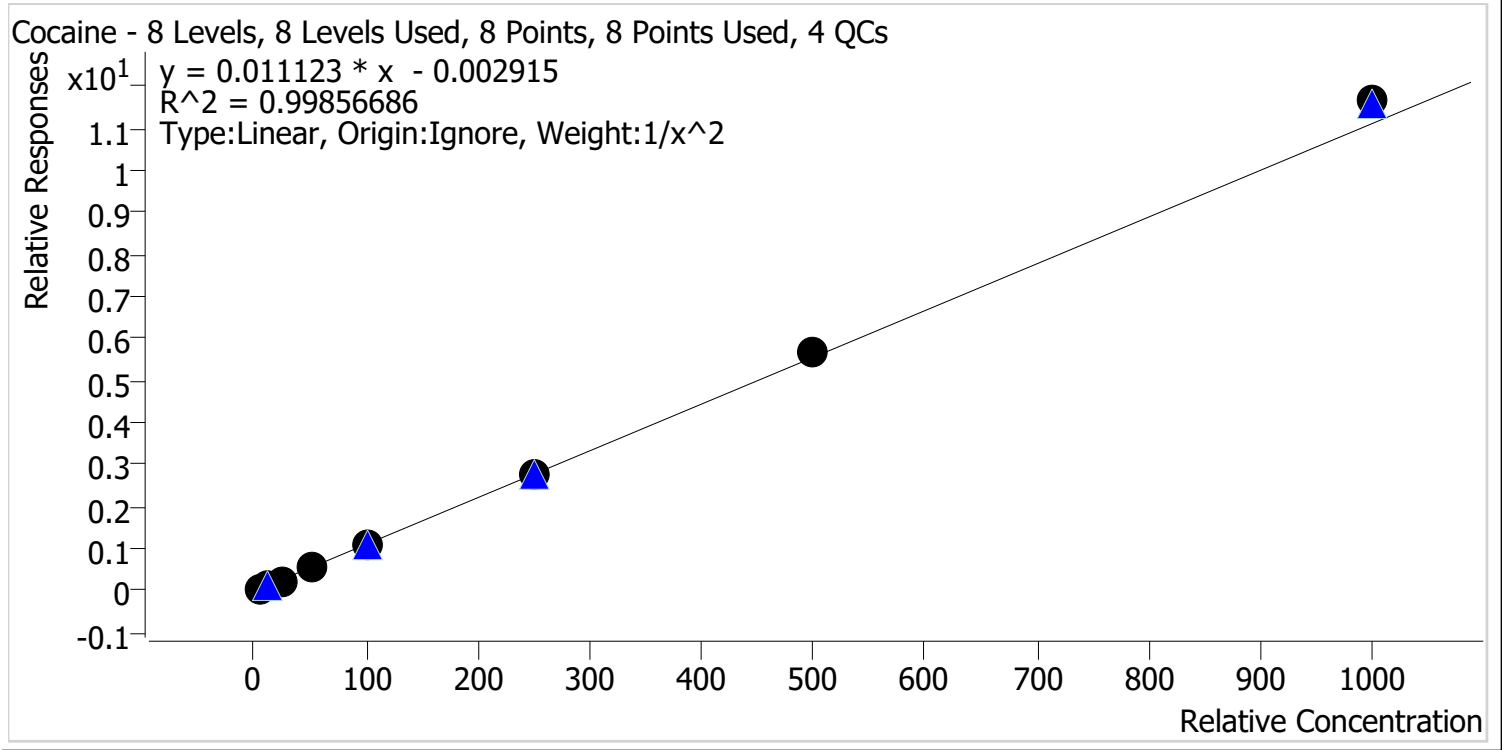


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	55.3	110.6
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	242.4	97.0
p1 Cal 7-500ng	7	✓	500.0	479.7	95.9
p1 Cal 8-1000ng	8	✓	1000.0	907.5	90.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

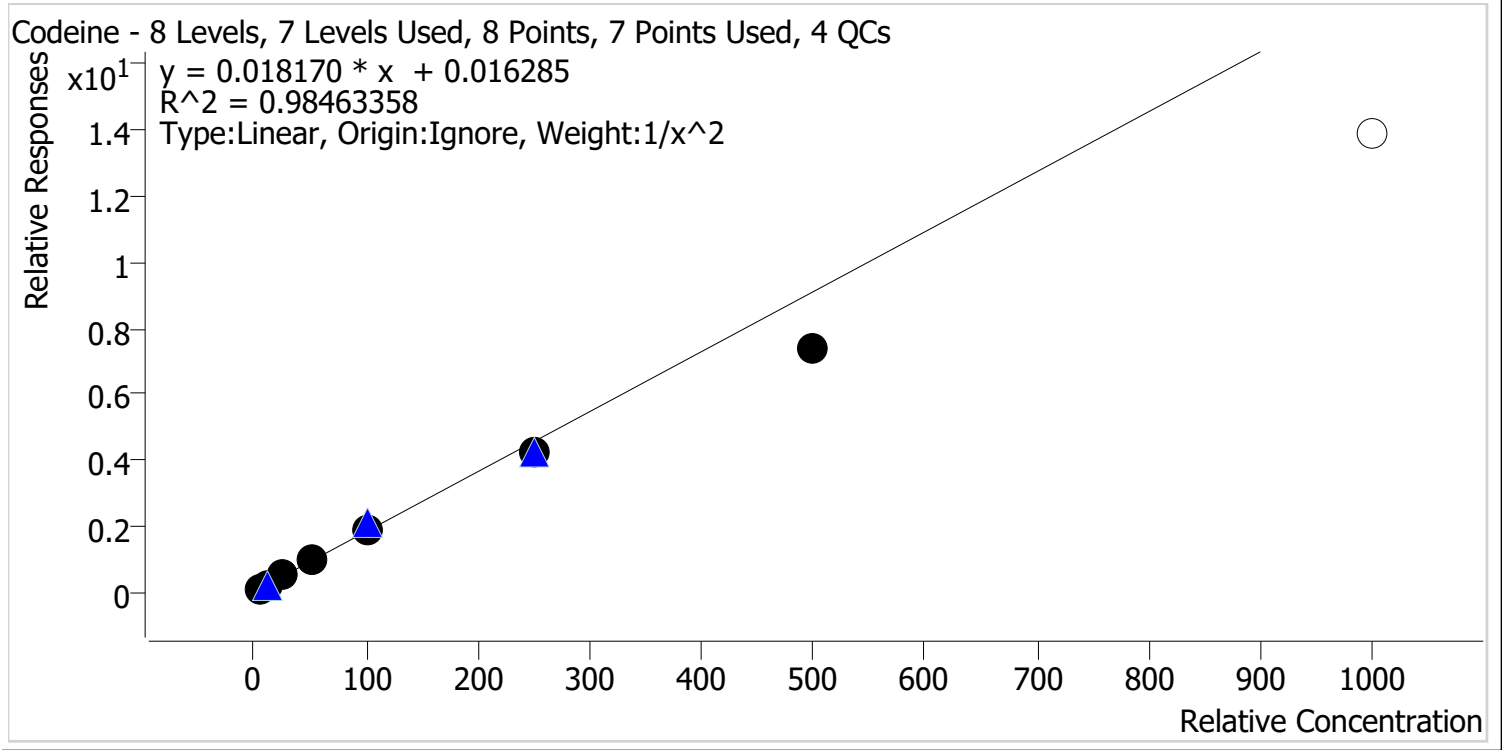


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	508.3	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1049.1	104.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6



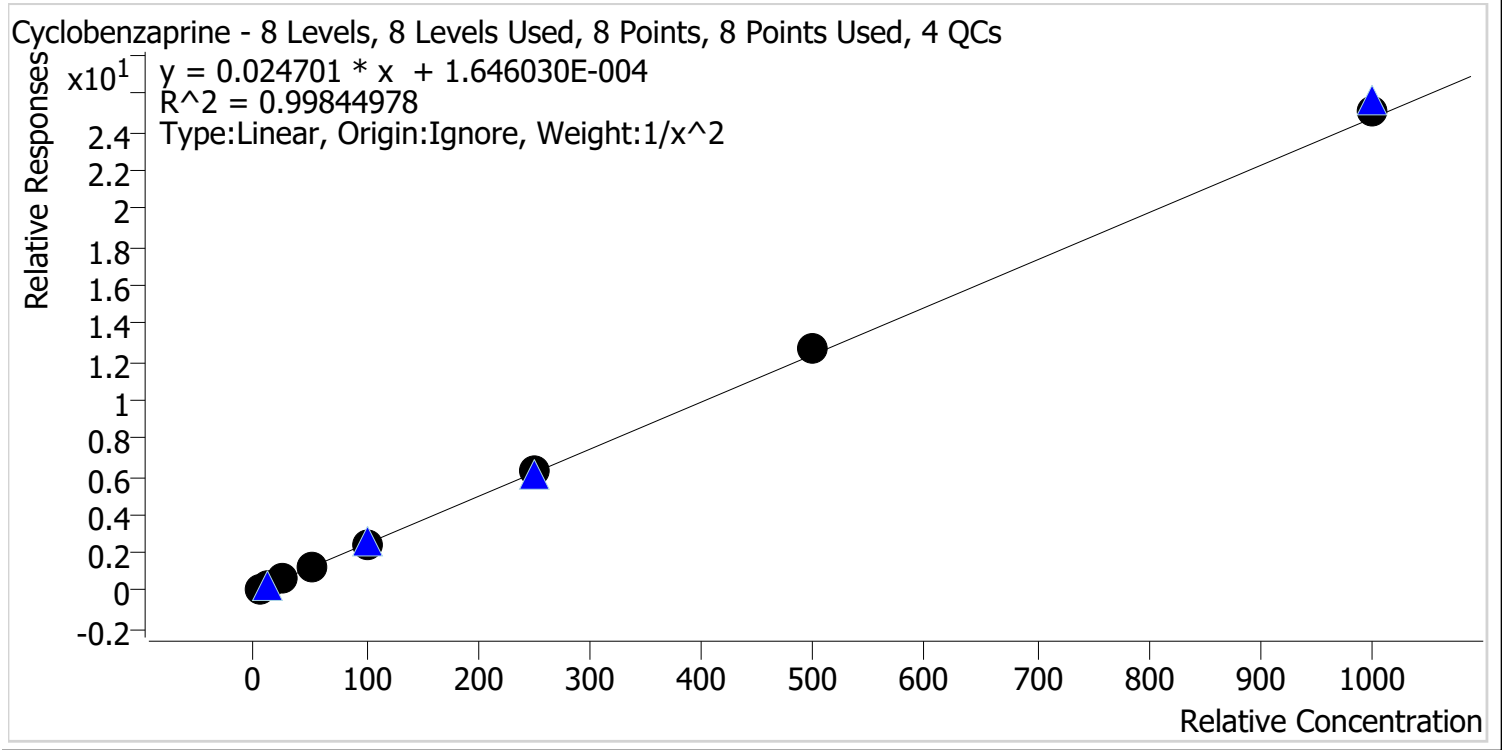
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.0
p1 Cal 2-10ng	2	✓	10.0	10.7	106.7
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	55.7	111.4
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	234.5	93.8
p1 Cal 7-500ng	7	✓	500.0	407.9	81.6
p1 Cal 8-1000ng	8	✗	1000.0	762.3	76.2

Calibrator 8 dropped due to not meeting accuracy requirement



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



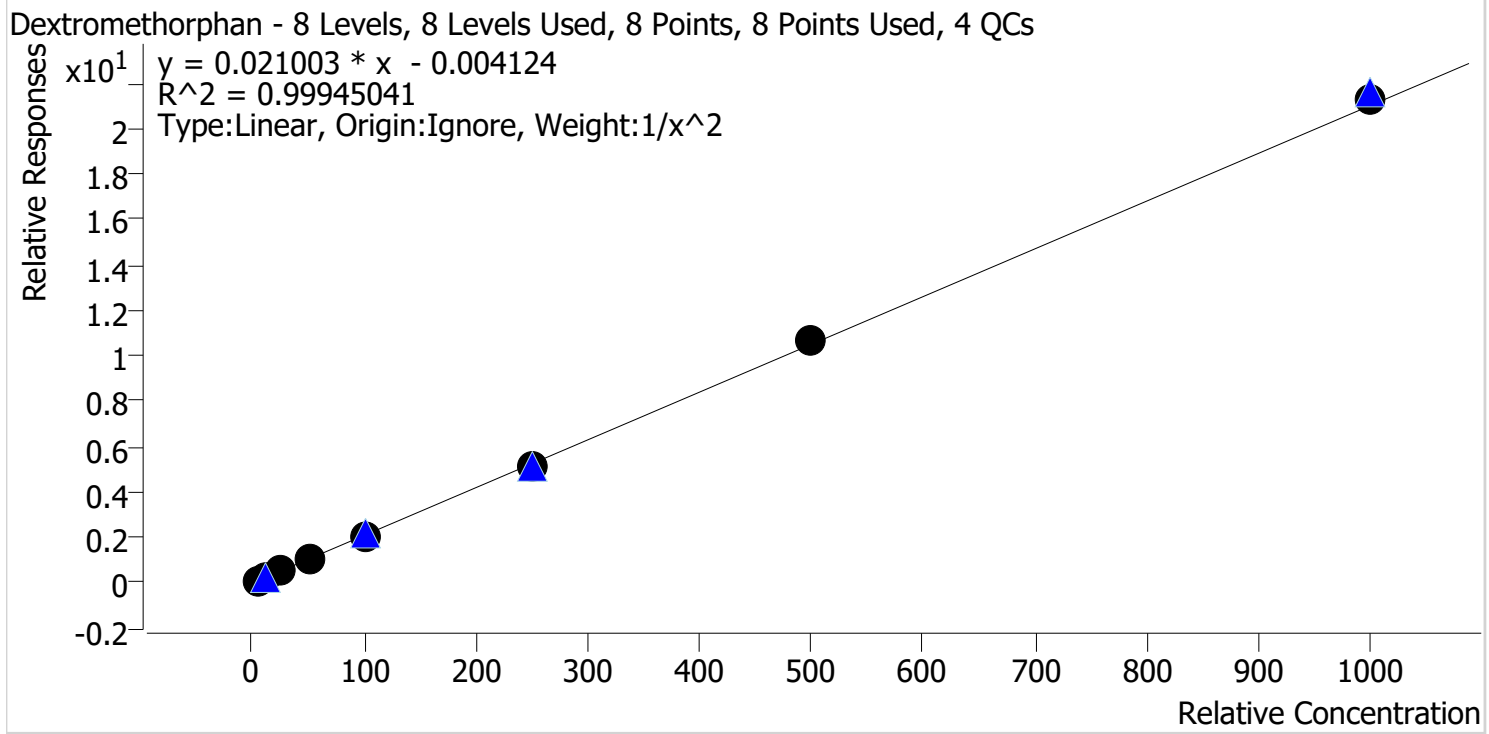
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.4	94.4
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.0
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	510.0	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1016.4	101.6

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3



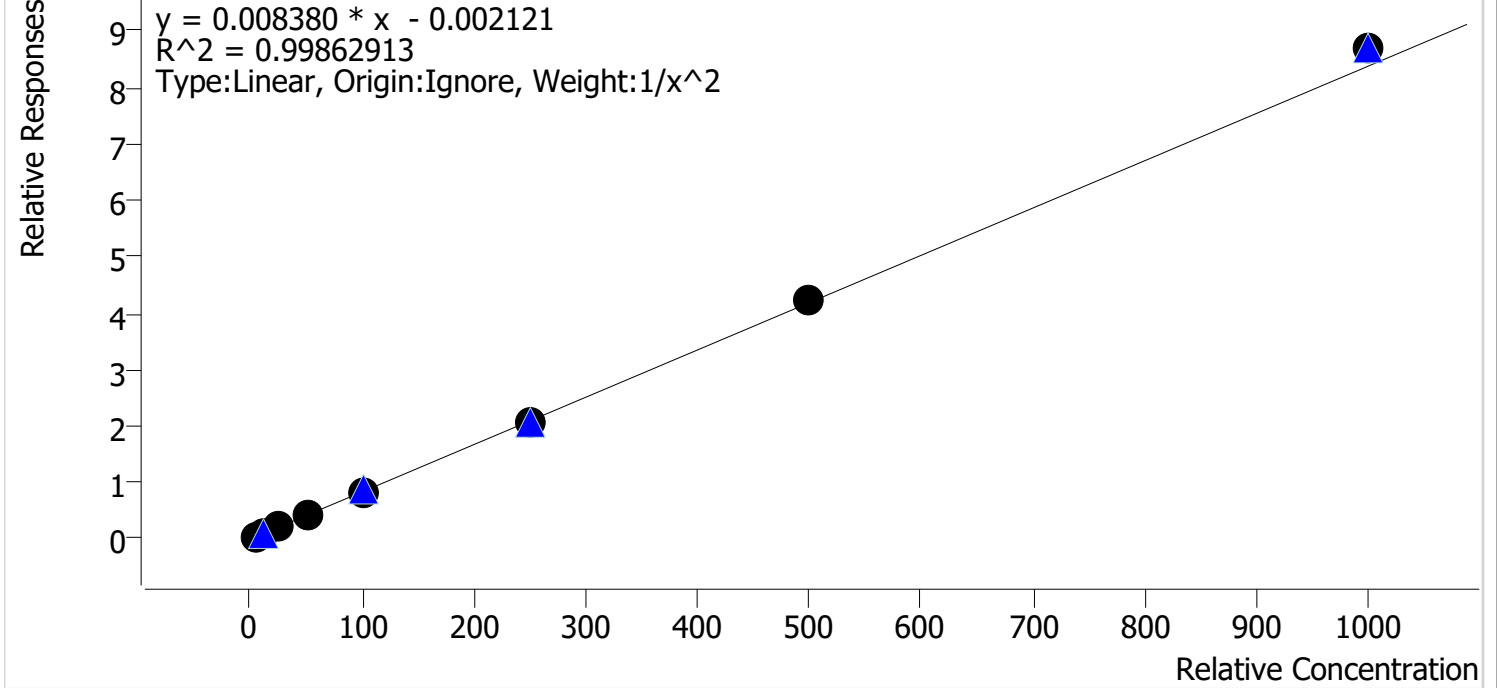
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	509.4	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1012.0	101.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

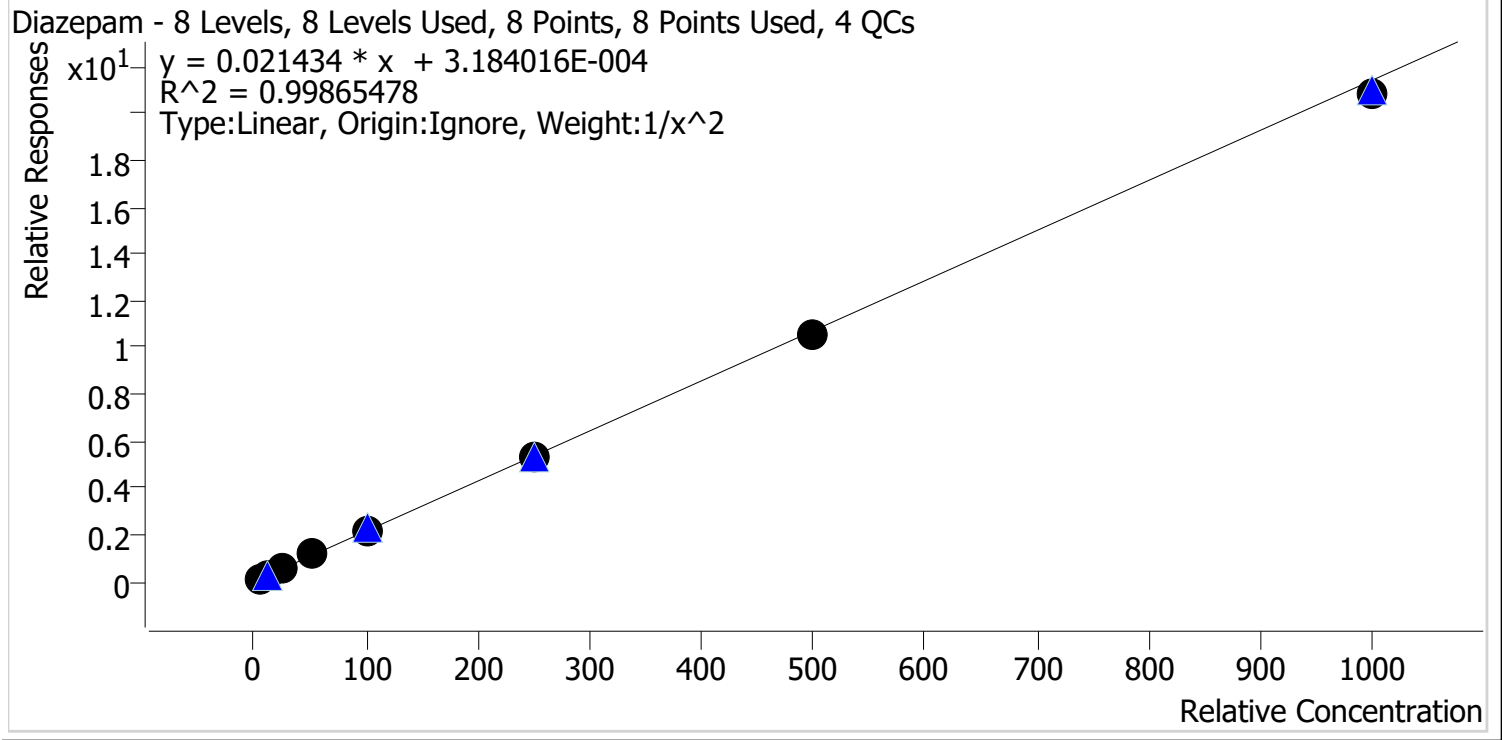


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1036.9	103.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

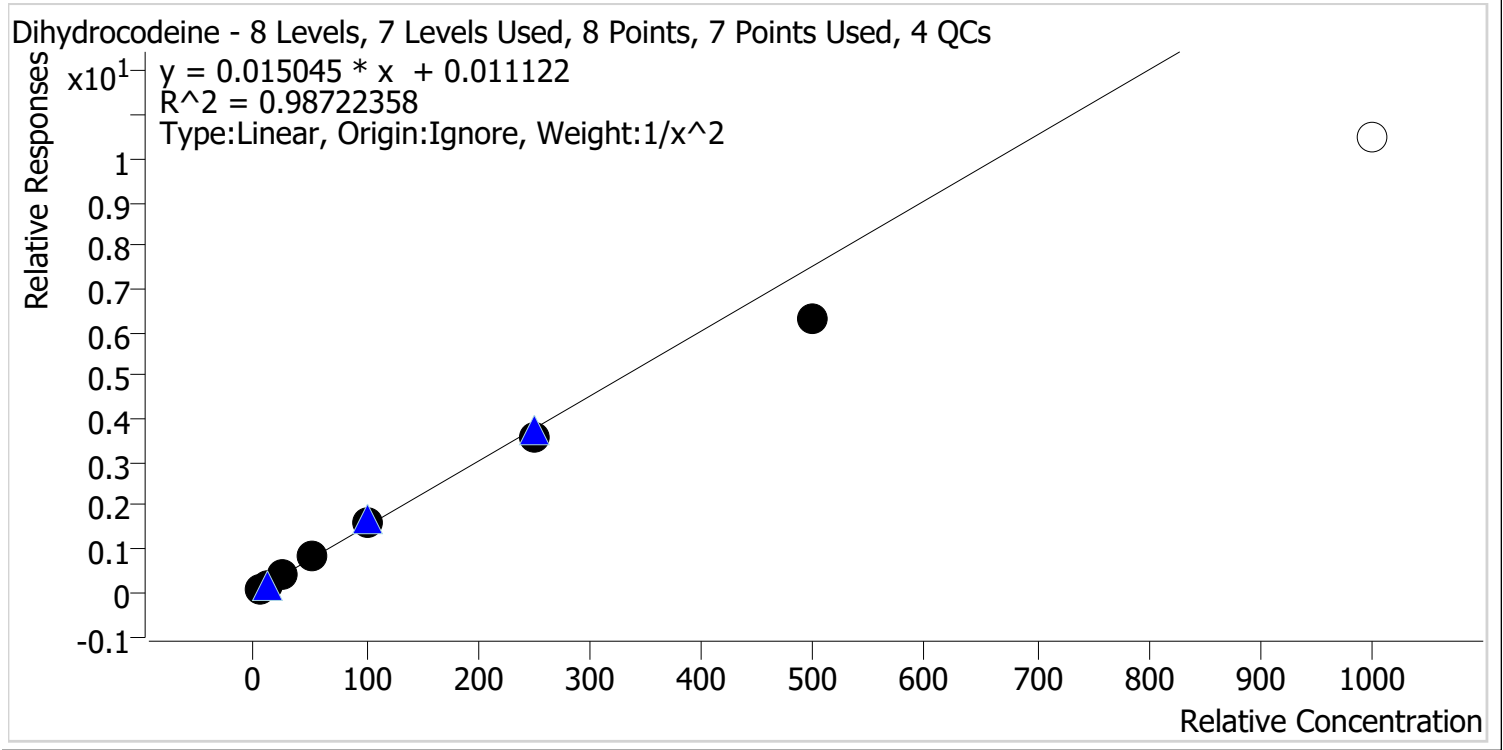


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	53.5	107.1
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	489.7	97.9
p1 Cal 8-1000ng	8	✓	1000.0	975.6	97.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	56.3	112.7
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	234.5	93.8
p1 Cal 7-500ng	7	✓	500.0	417.6	83.5
p1 Cal 8-1000ng	8	✗	1000.0	697.4	69.7

Calibrator 8 dropped due to not meeting accuracy requirement

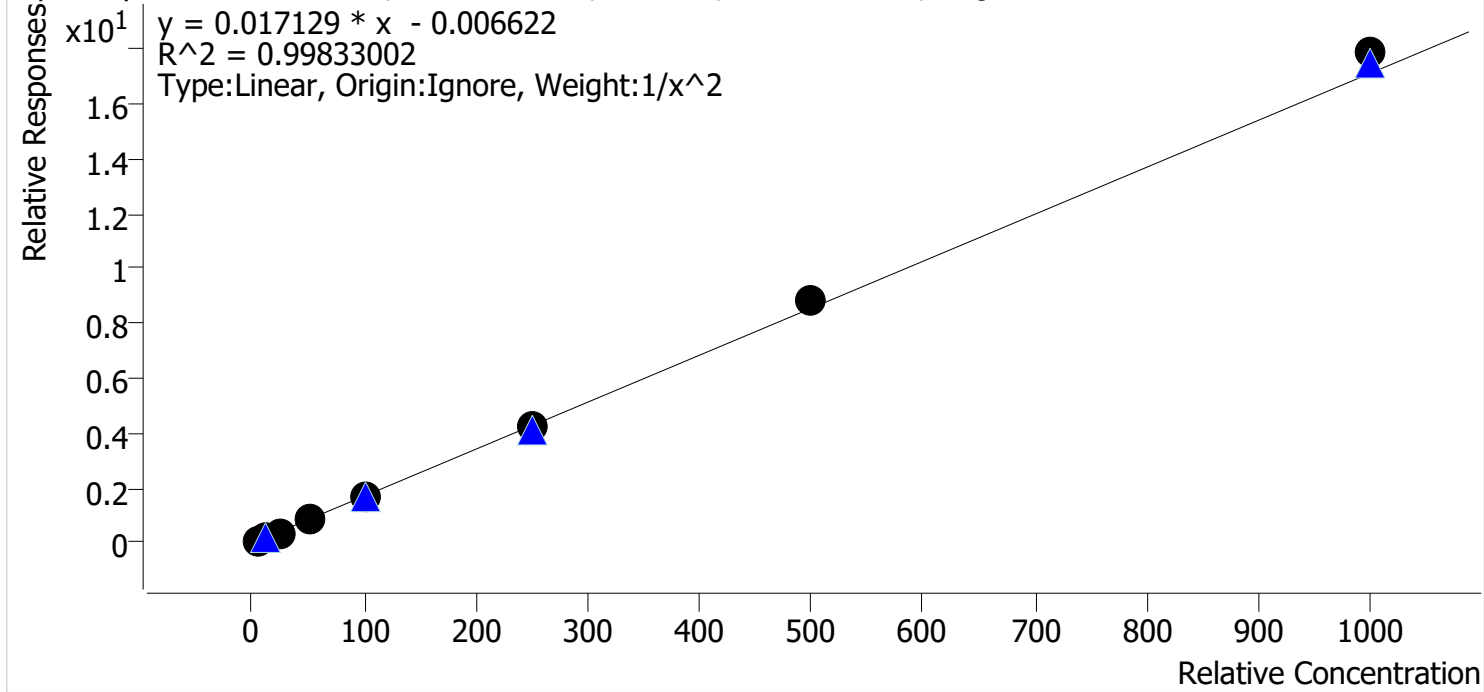
g



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

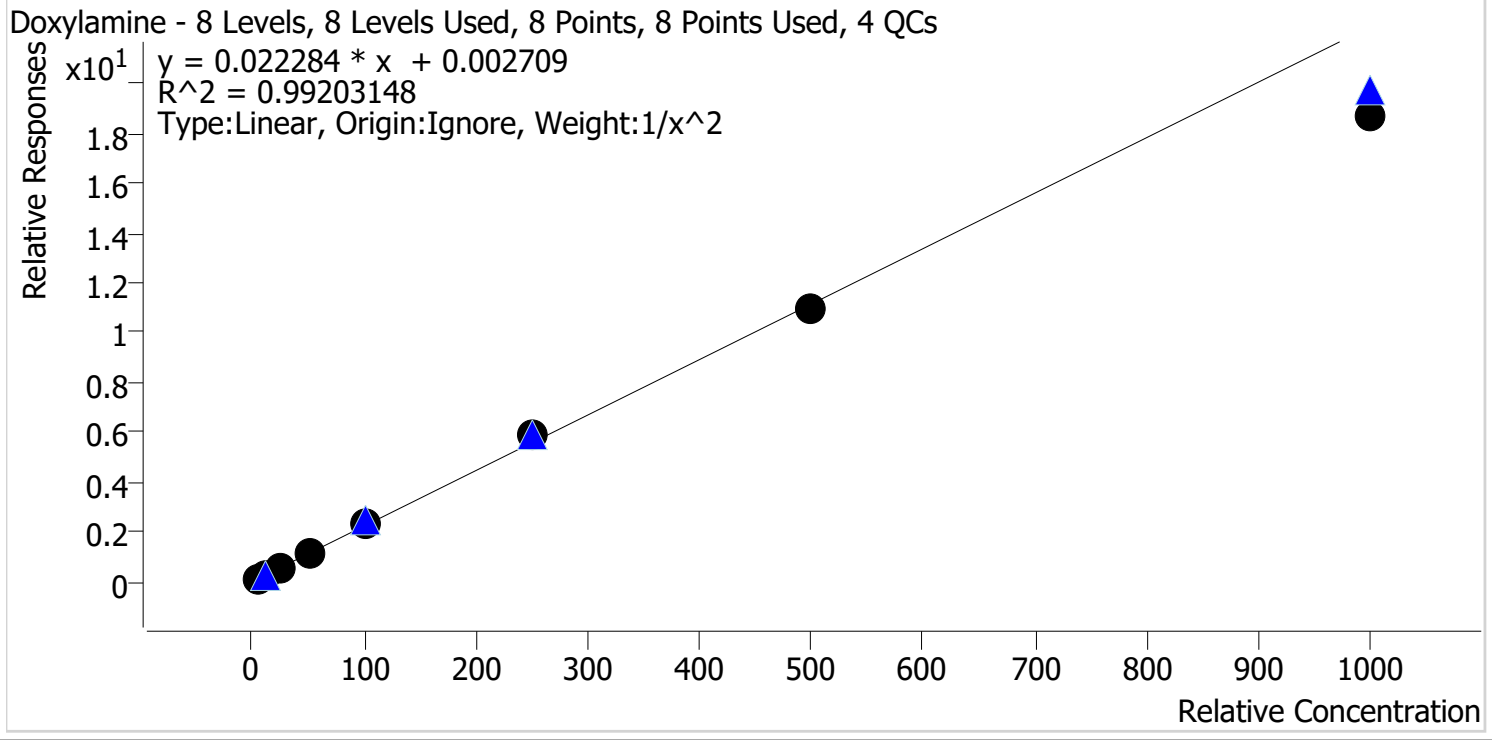


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.3
p1 Cal 4-50ng	4	✓	50.0	50.0	99.9
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	518.3	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1044.1	104.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

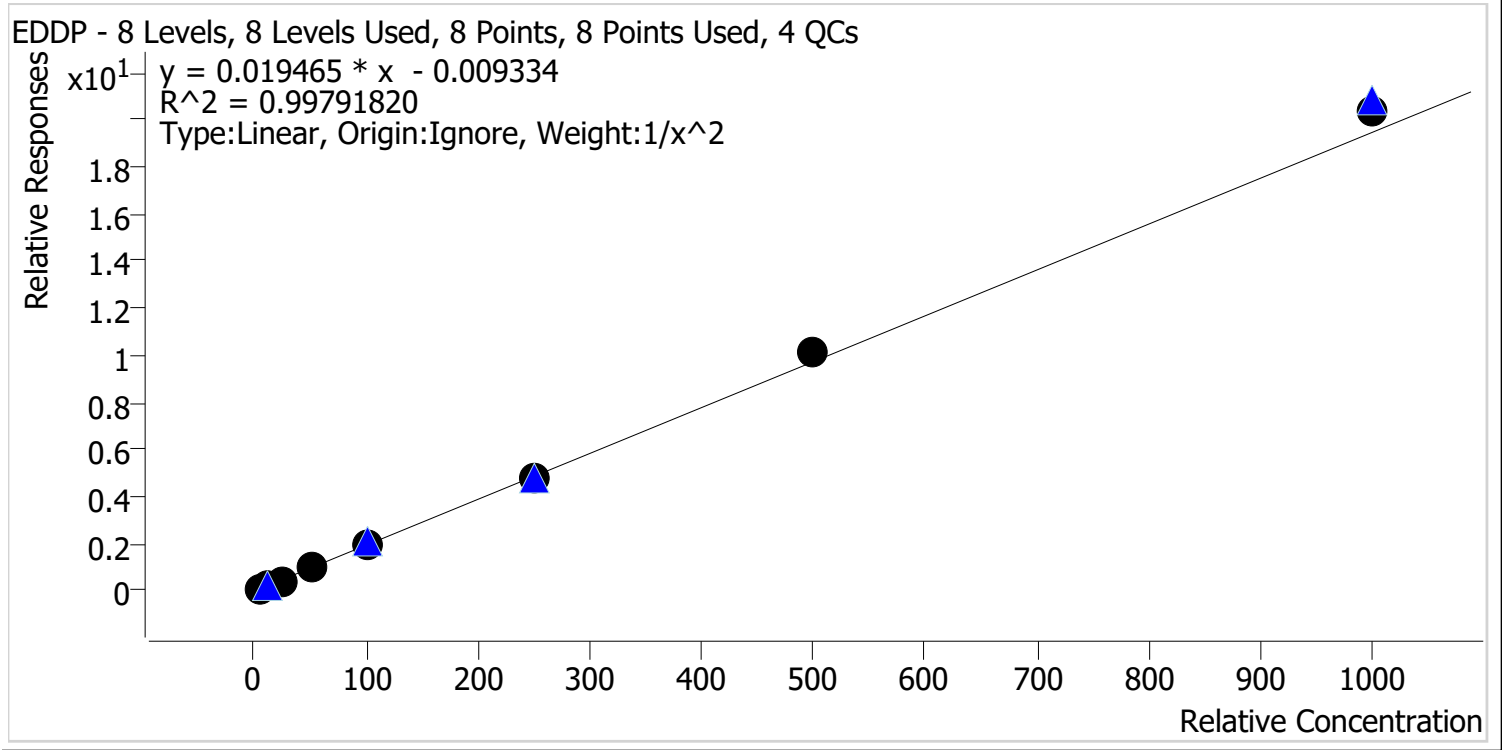


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	106.4	106.4
p1 Cal 6-250ng	6	✓	250.0	267.8	107.1
p1 Cal 7-500ng	7	✓	500.0	493.5	98.7
p1 Cal 8-1000ng	8	✓	1000.0	836.6	83.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3



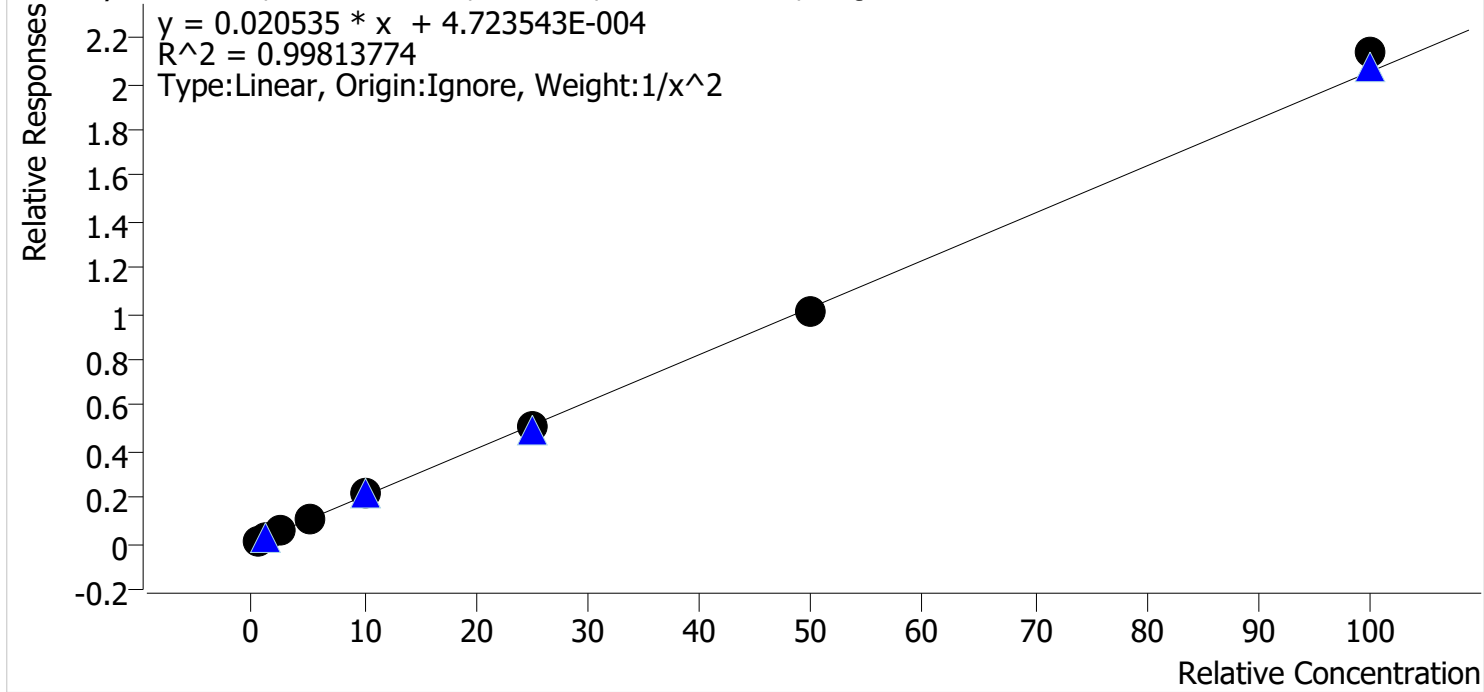
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.0
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	518.7	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1044.9	104.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



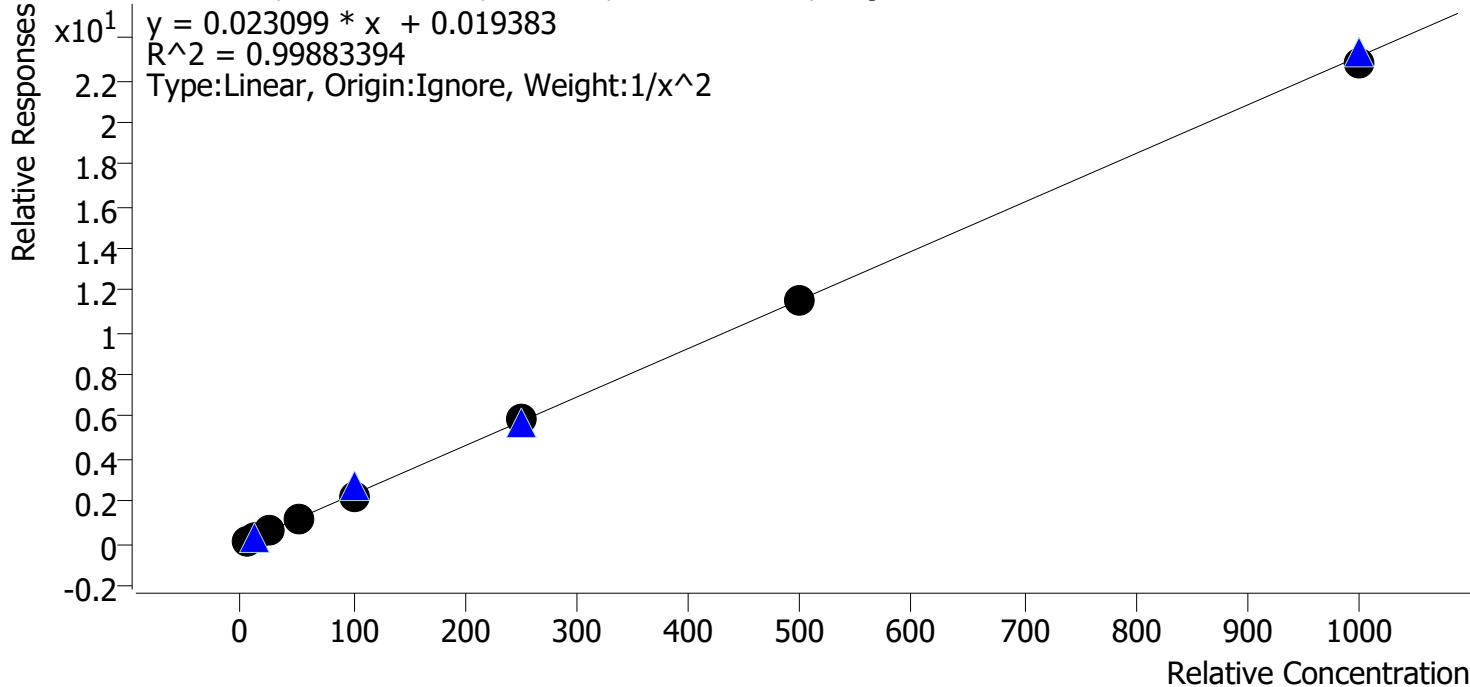
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.7
p1 Cal 2-10ng	2	✓	1.0	1.0	96.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.1
p1 Cal 4-50ng	4	✓	5.0	5.1	102.9
p1 Cal 5-100ng	5	✓	10.0	10.3	103.4
p1 Cal 6-250ng	6	✓	25.0	24.5	97.9
p1 Cal 7-500ng	7	✓	50.0	49.4	98.9
p1 Cal 8-1000ng	8	✓	100.0	104.1	104.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

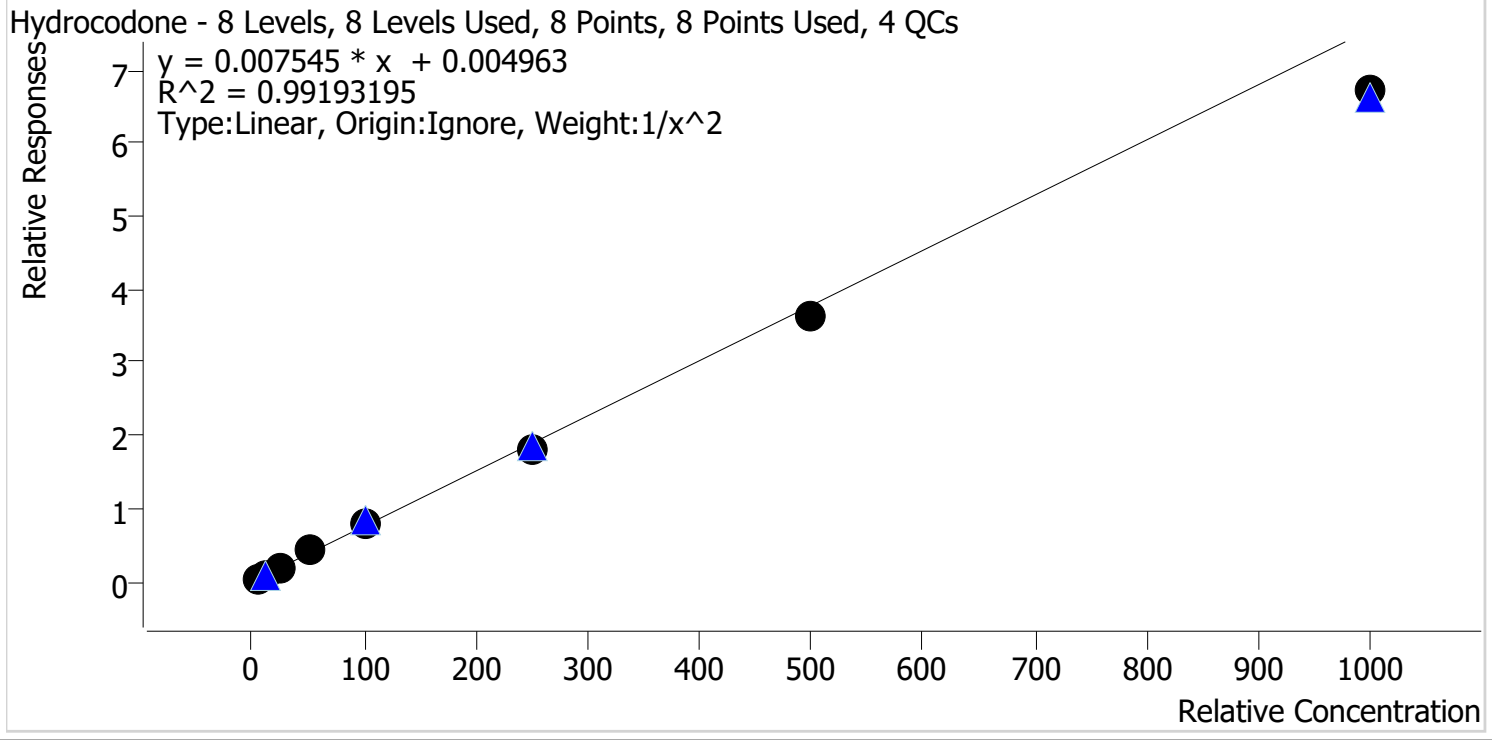


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	94.5	94.5
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	499.8	100.0
p1 Cal 8-1000ng	8	✓	1000.0	989.3	98.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

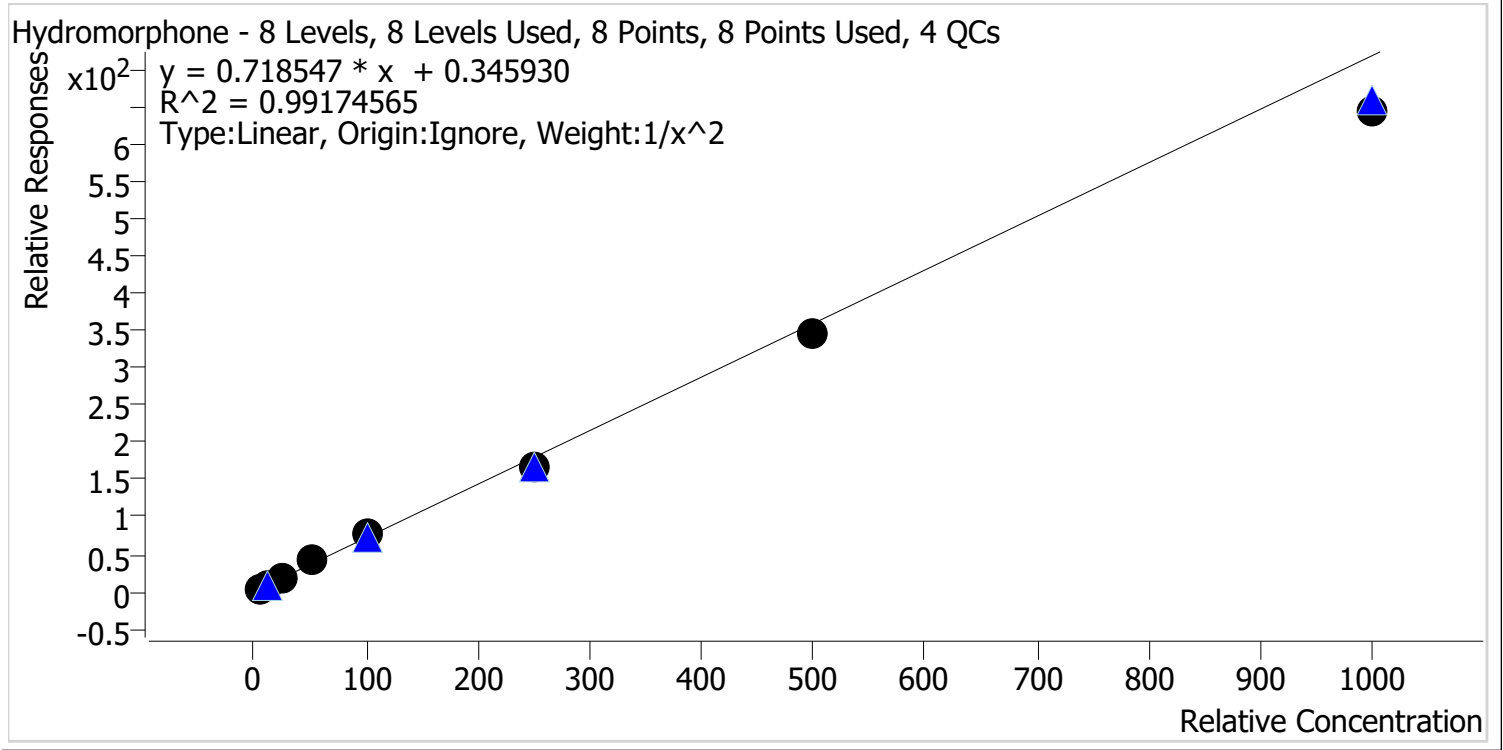


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	57.7	115.4
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	239.9	96.0
p1 Cal 7-500ng	7	✓	500.0	477.9	95.6
p1 Cal 8-1000ng	8	✓	1000.0	889.4	88.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Morphine-D6

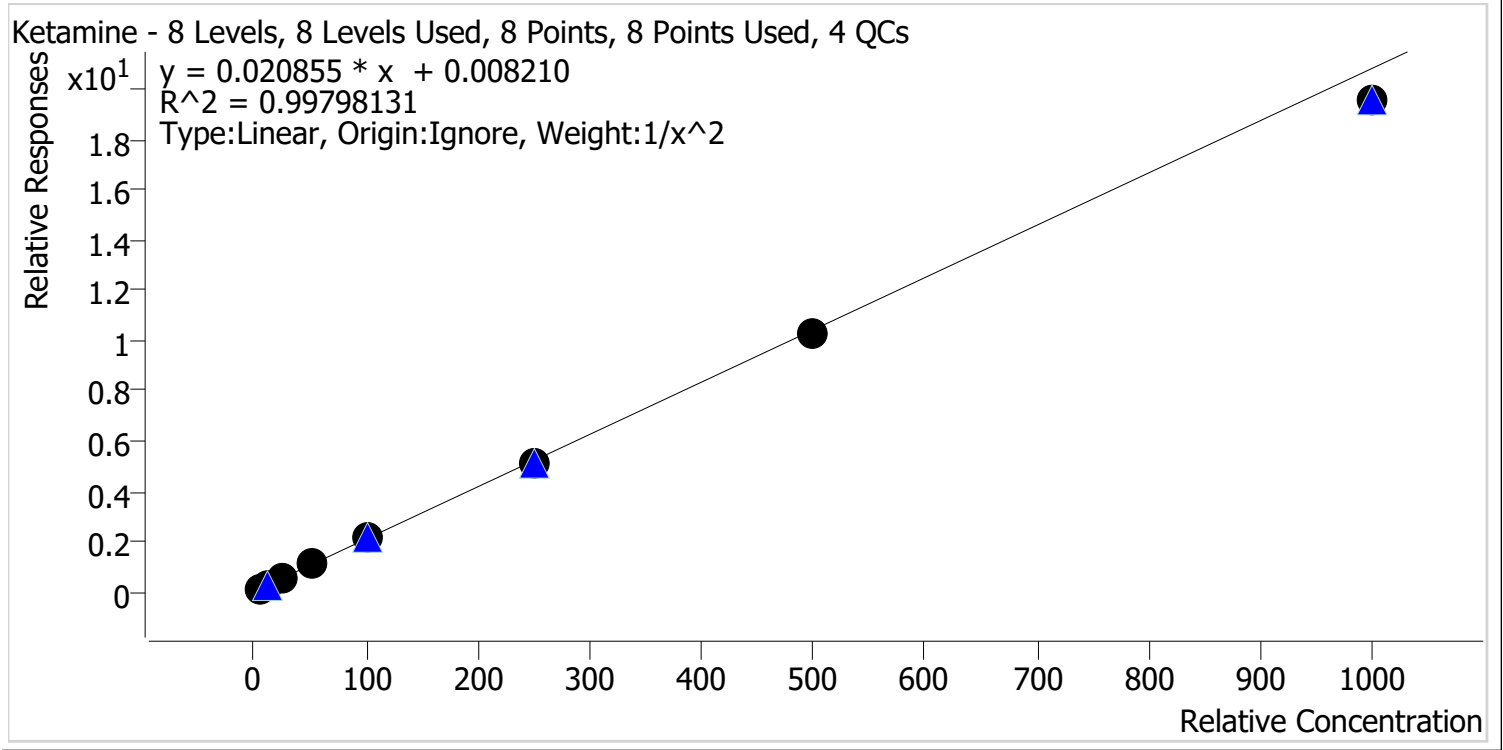


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	57.1	114.1
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	231.4	92.6
p1 Cal 7-500ng	7	✓	500.0	478.0	95.6
p1 Cal 8-1000ng	8	✓	1000.0	896.8	89.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



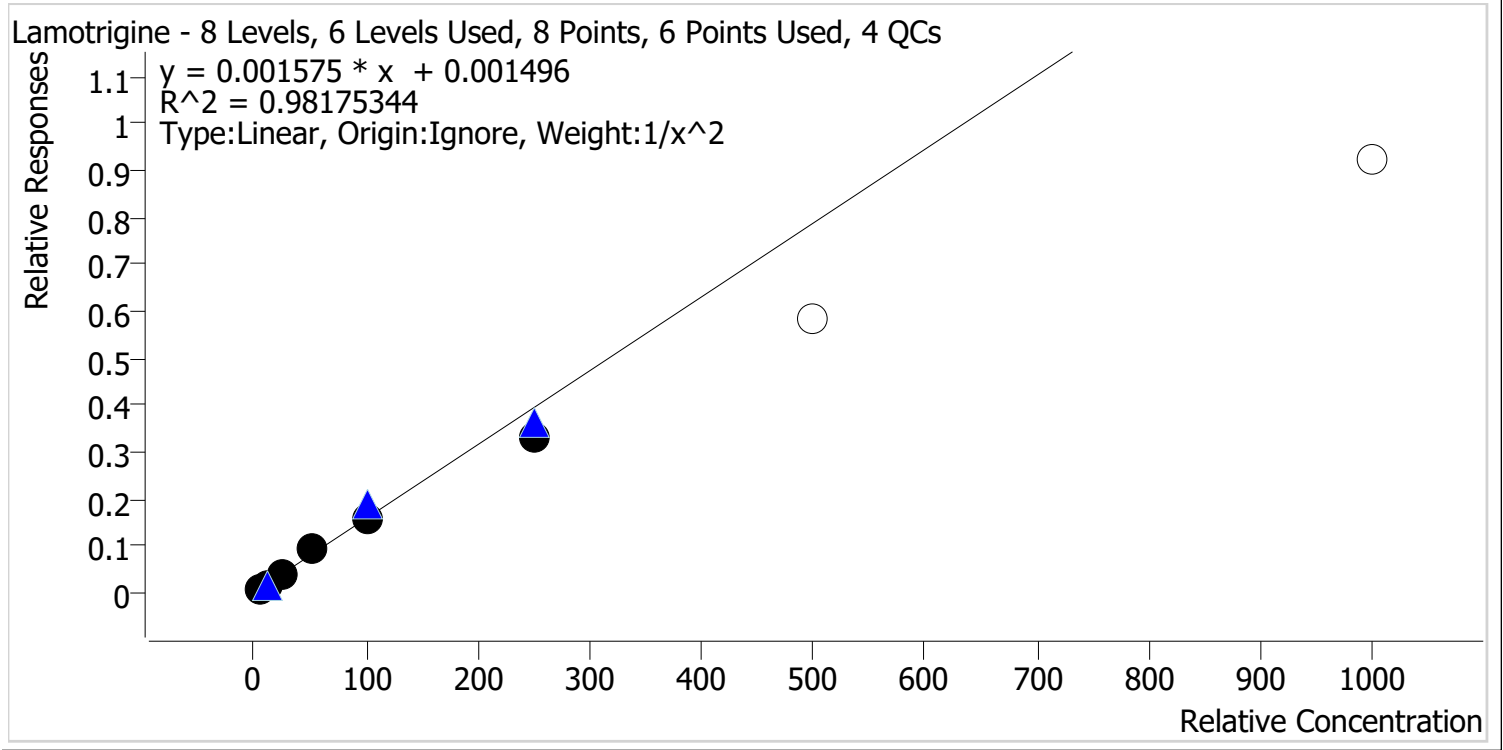
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	492.5	98.5
p1 Cal 8-1000ng	8	✓	1000.0	938.4	93.8

g



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



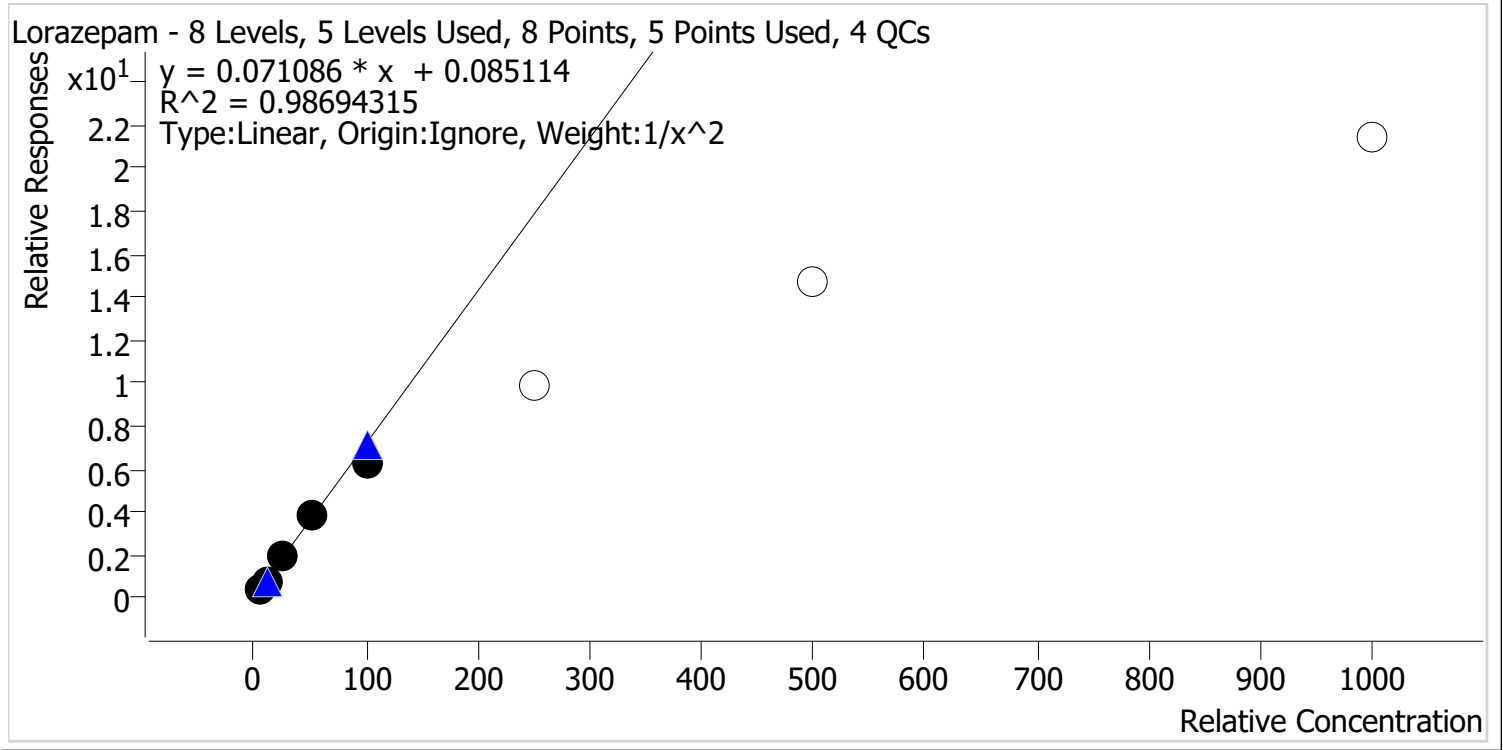
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.6	106.0
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	58.5	116.9
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	209.1	83.6
p1 Cal 7-500ng	7	x	500.0	369.3	73.9
p1 Cal 8-1000ng	8	x	1000.0	585.1	58.5

Calibrators 7 and 8 dropped due to not meeting accuracy requirement



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4



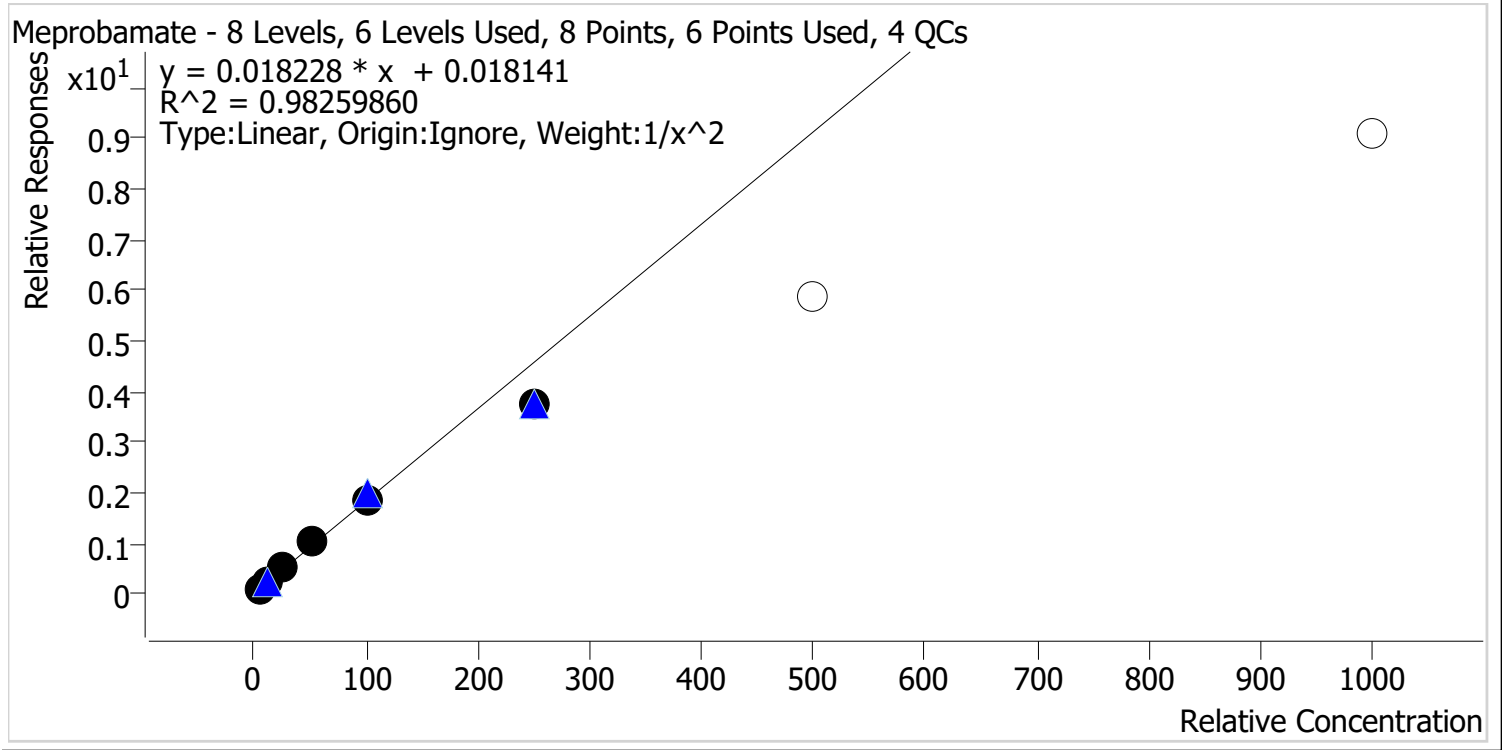
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	85.9	85.9
p1 Cal 6-250ng	6	✗	250.0	139.1	55.6
p1 Cal 7-500ng	7	✗	500.0	205.0	41.0
p1 Cal 8-1000ng	8	✗	1000.0	300.9	30.1

Calibrators 6, 7, and 8 dropped due to not meeting accuracy requirement



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



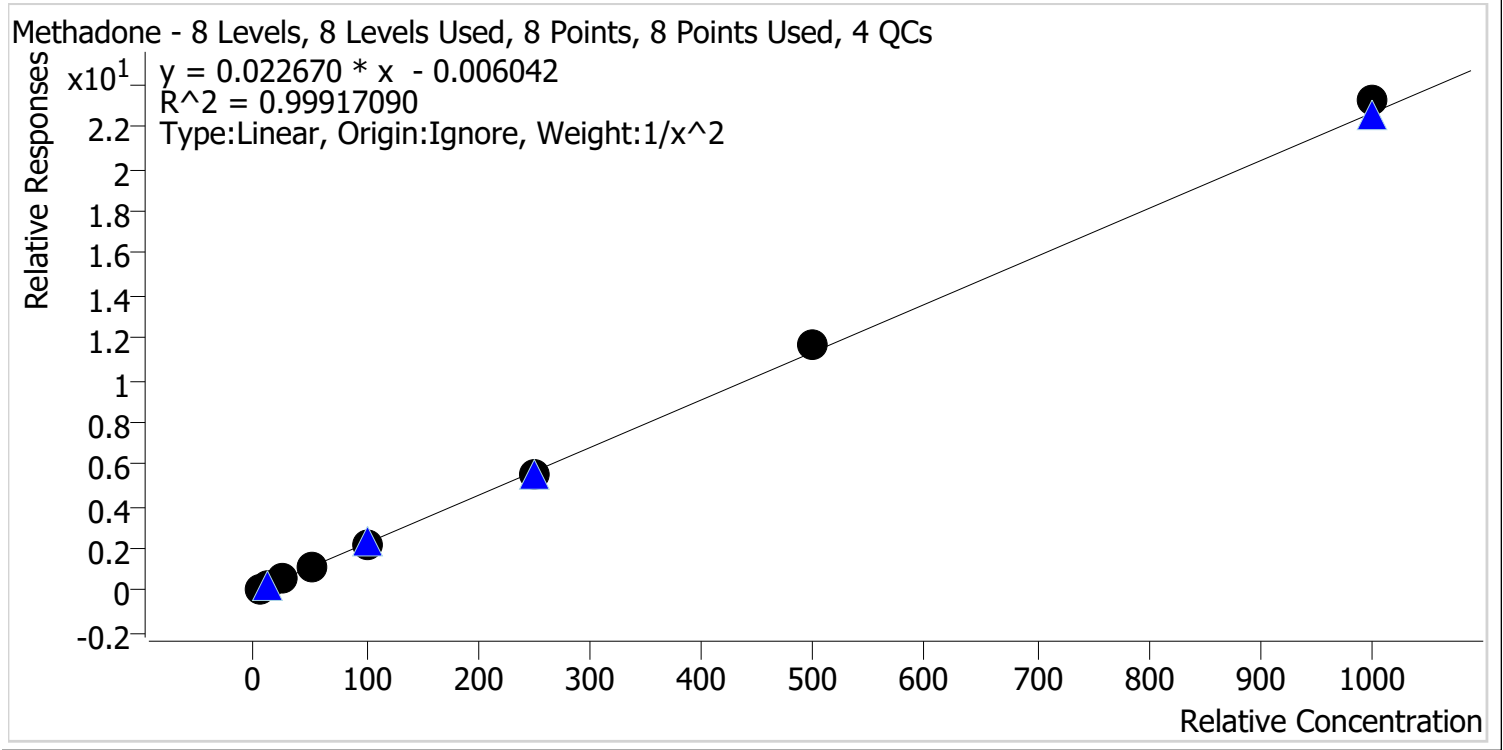
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2-10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.2
p1 Cal 4-50ng	4	✓	50.0	55.7	111.4
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	203.0	81.2
p1 Cal 7-500ng	7	x	500.0	321.0	64.2
p1 Cal 8-1000ng	8	x	1000.0	498.7	49.9

Calibrators 7 and 8 dropped due to not meeting accuracy requirement



AM #28 Multi-Drug Quant. Calibration Curve Report

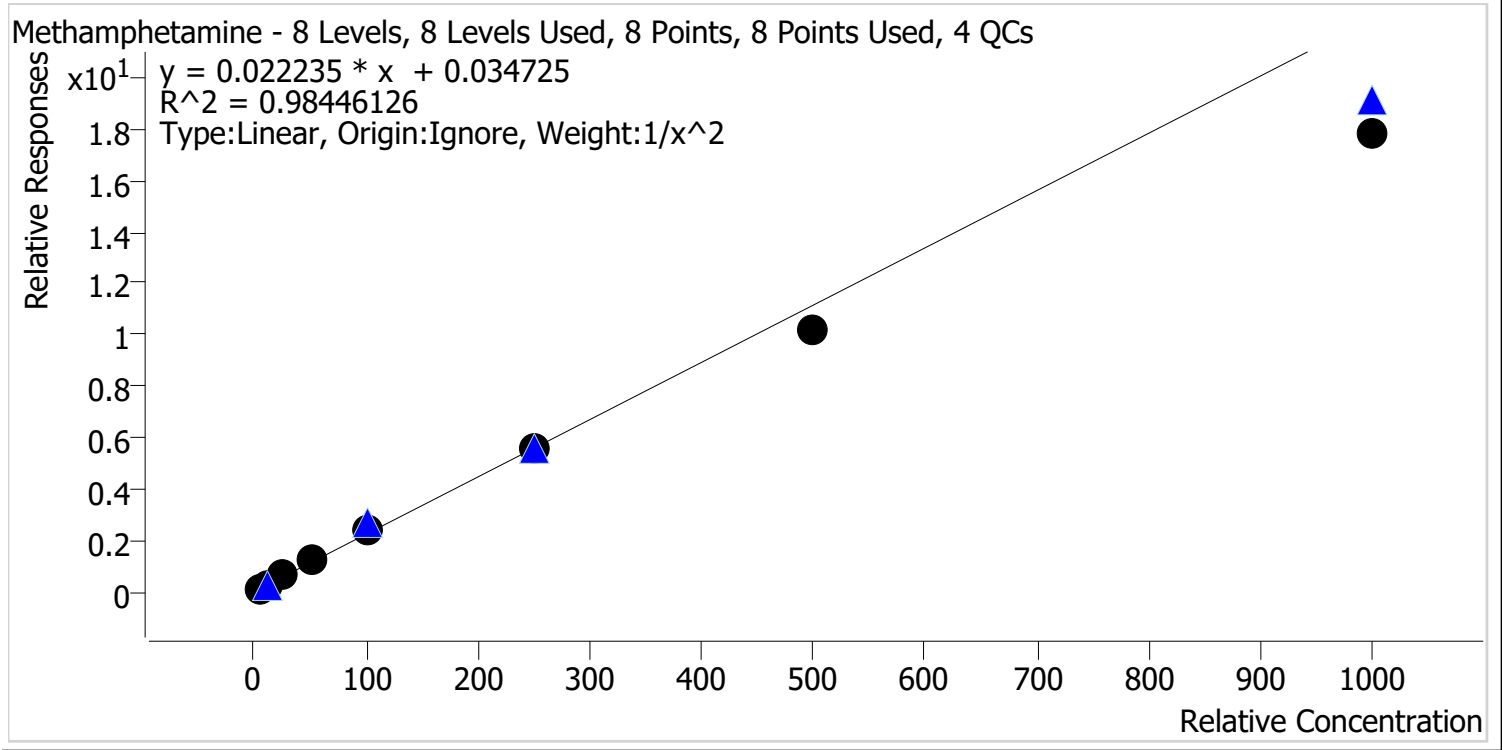
Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	245.9	98.3
p1 Cal 7-500ng	7	✓	500.0	513.9	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1025.8	102.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

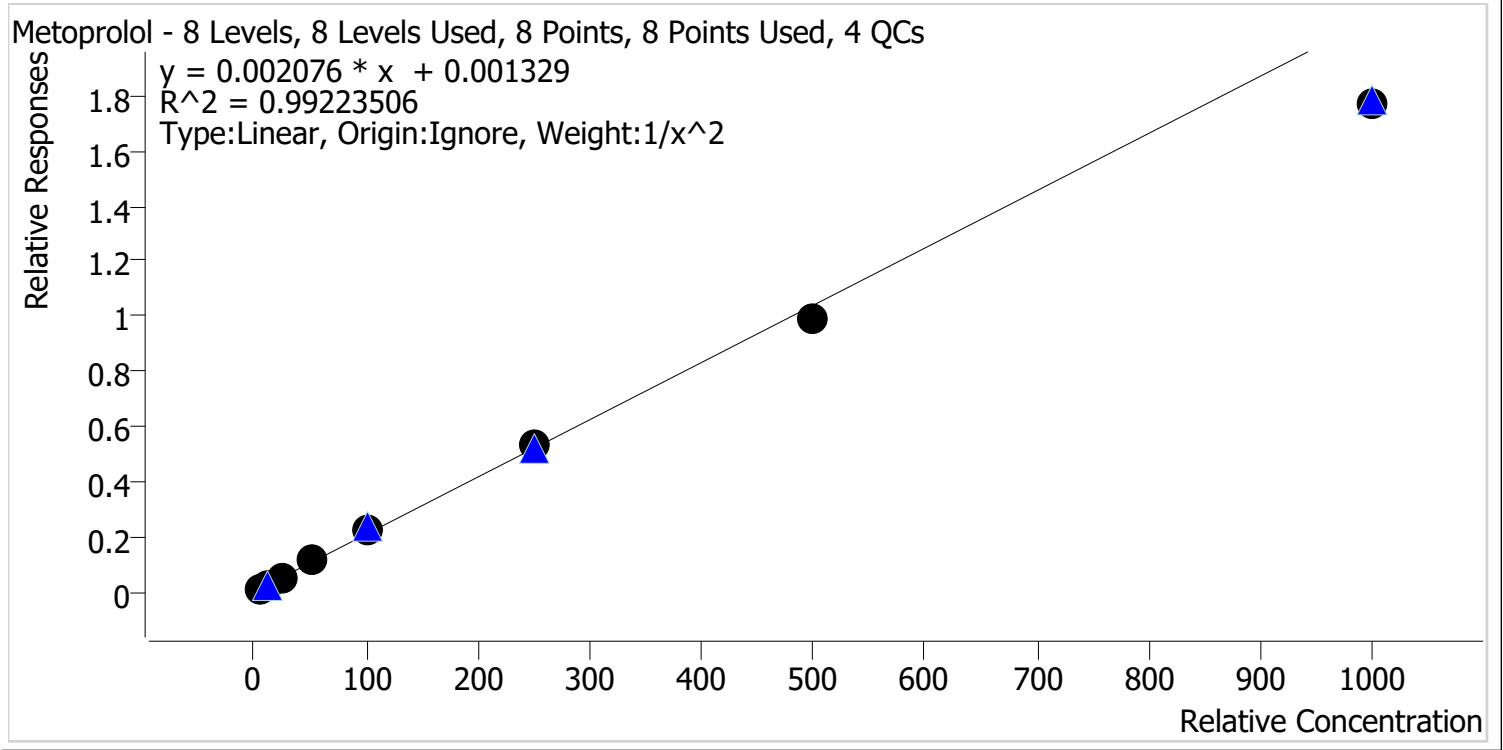


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	57.7	115.4
p1 Cal 5-100ng	5	✓	100.0	107.9	107.9
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	457.4	91.5
p1 Cal 8-1000ng	8	✓	1000.0	802.4	80.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



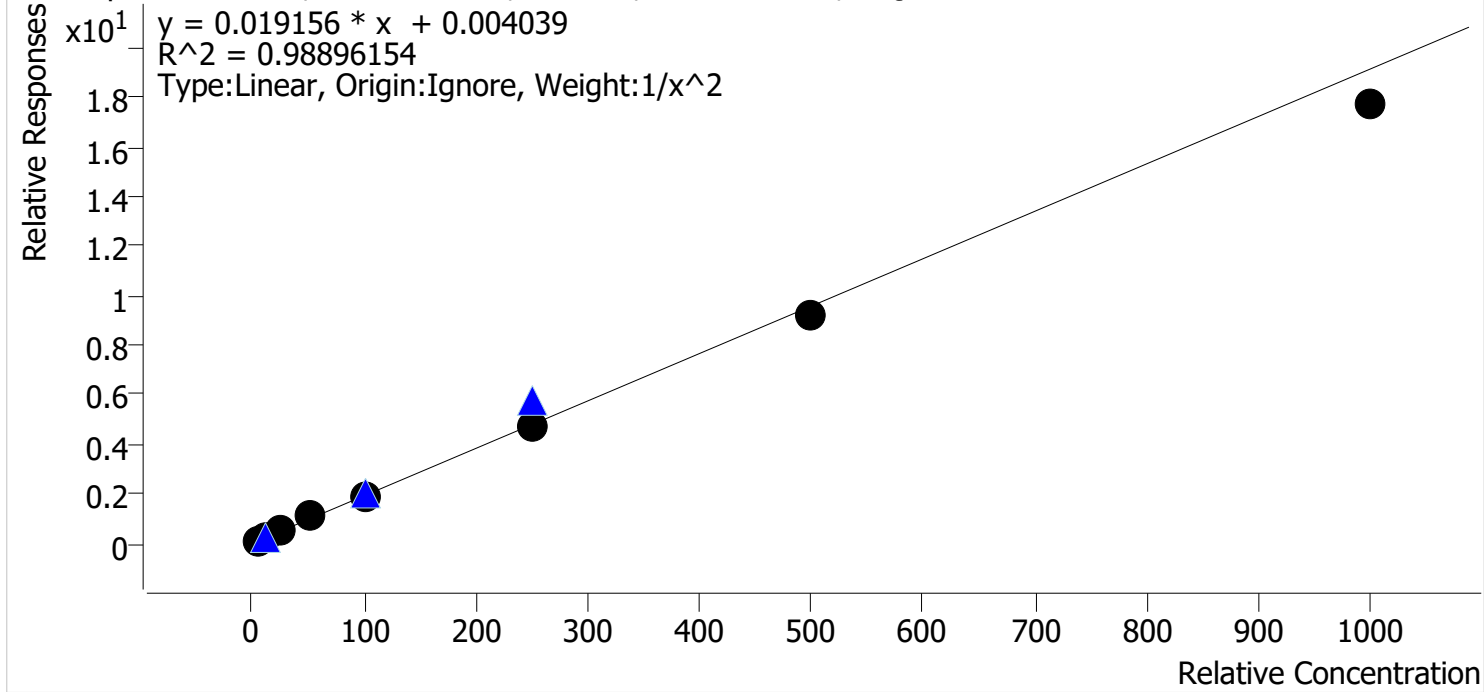
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	55.9	111.8
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	475.9	95.2
p1 Cal 8-1000ng	8	✓	1000.0	853.8	85.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

Mirtazapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

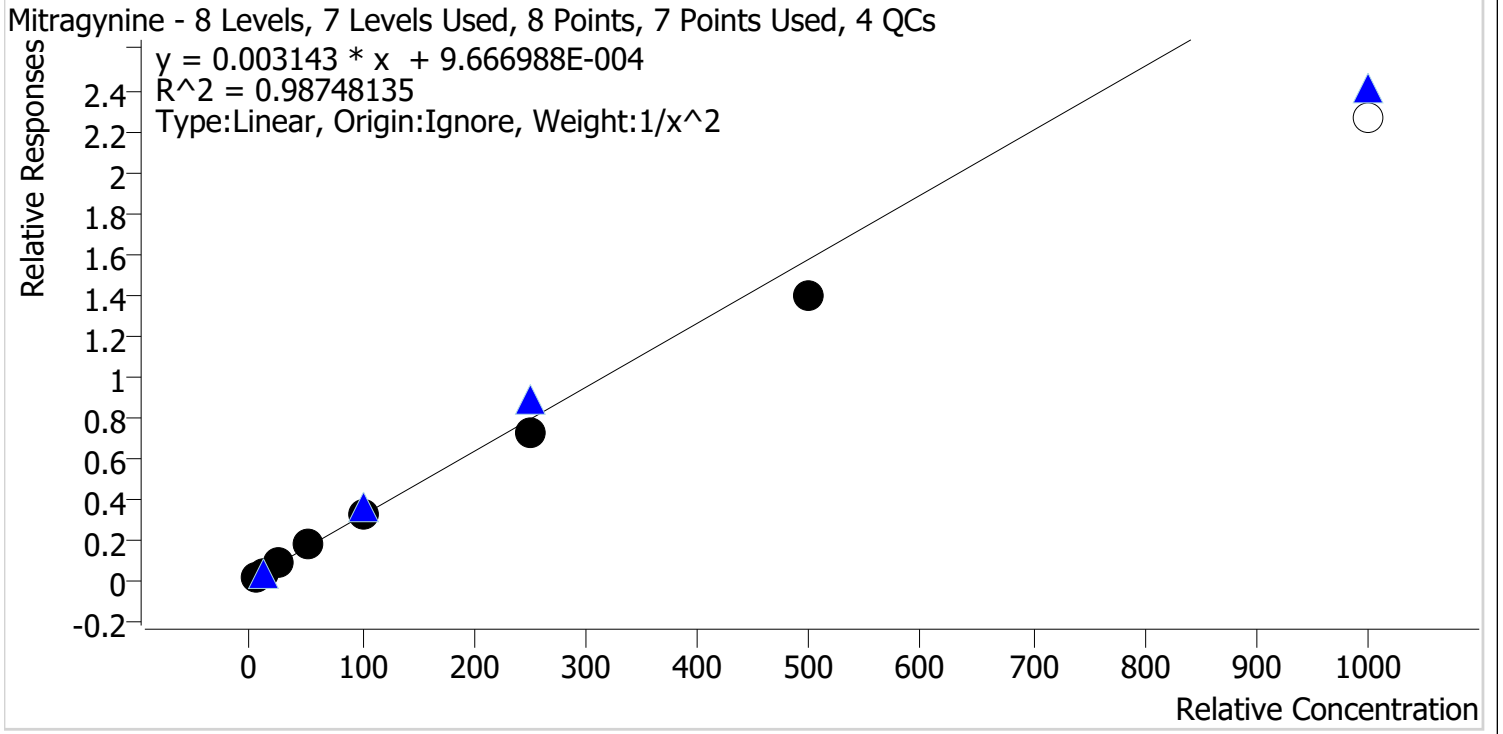


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	8.6	86.2
p1 Cal 3 -25ng	3	✓	25.0	27.9	111.5
p1 Cal 4-50ng	4	✓	50.0	56.7	113.3
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	483.2	96.6
p1 Cal 8-1000ng	8	✓	1000.0	924.8	92.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



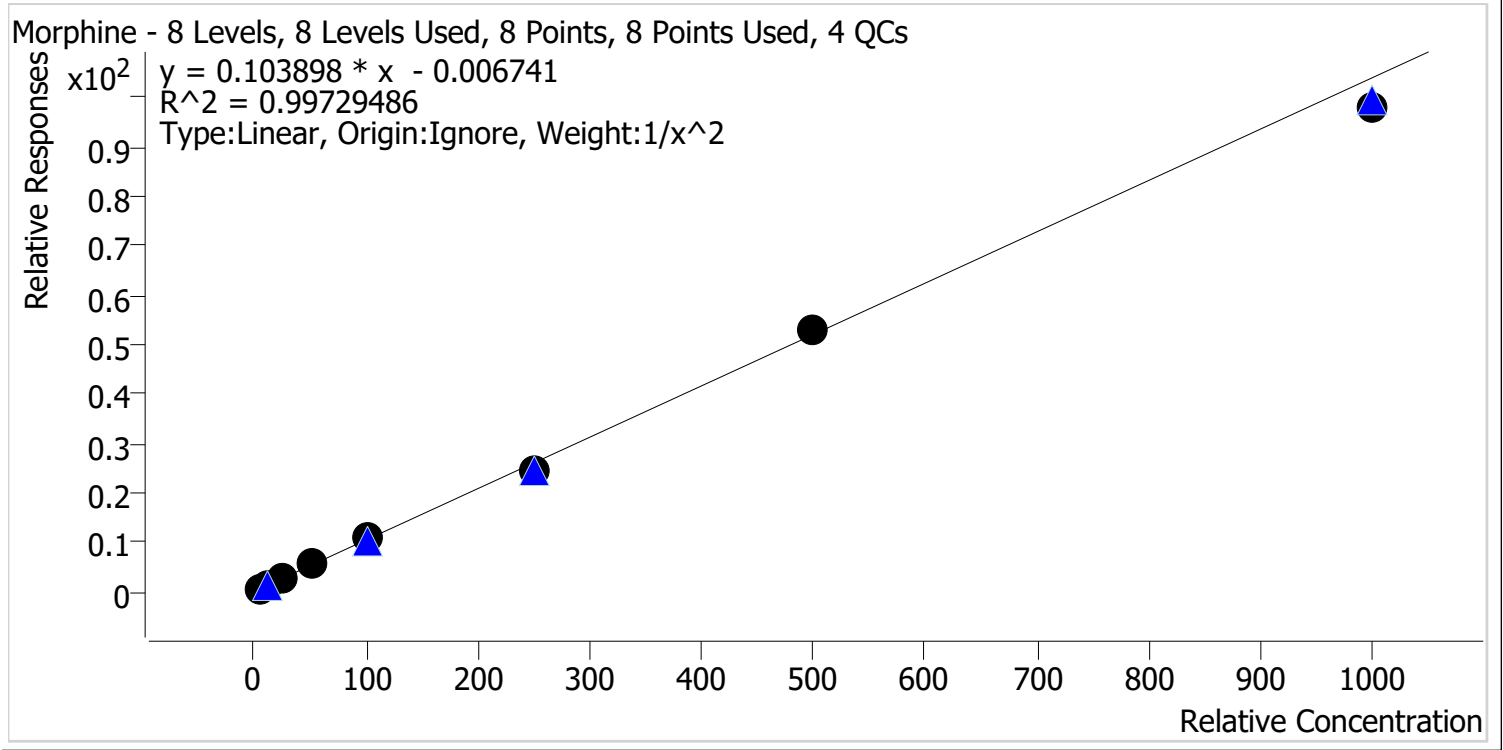
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	29.0	115.9
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	230.4	92.1
p1 Cal 7-500ng	7	✓	500.0	441.5	88.3
p1 Cal 8-1000ng	8	✗	1000.0	720.6	72.1

Calibrator 8 dropped due to not meeting accuracy requirement



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6



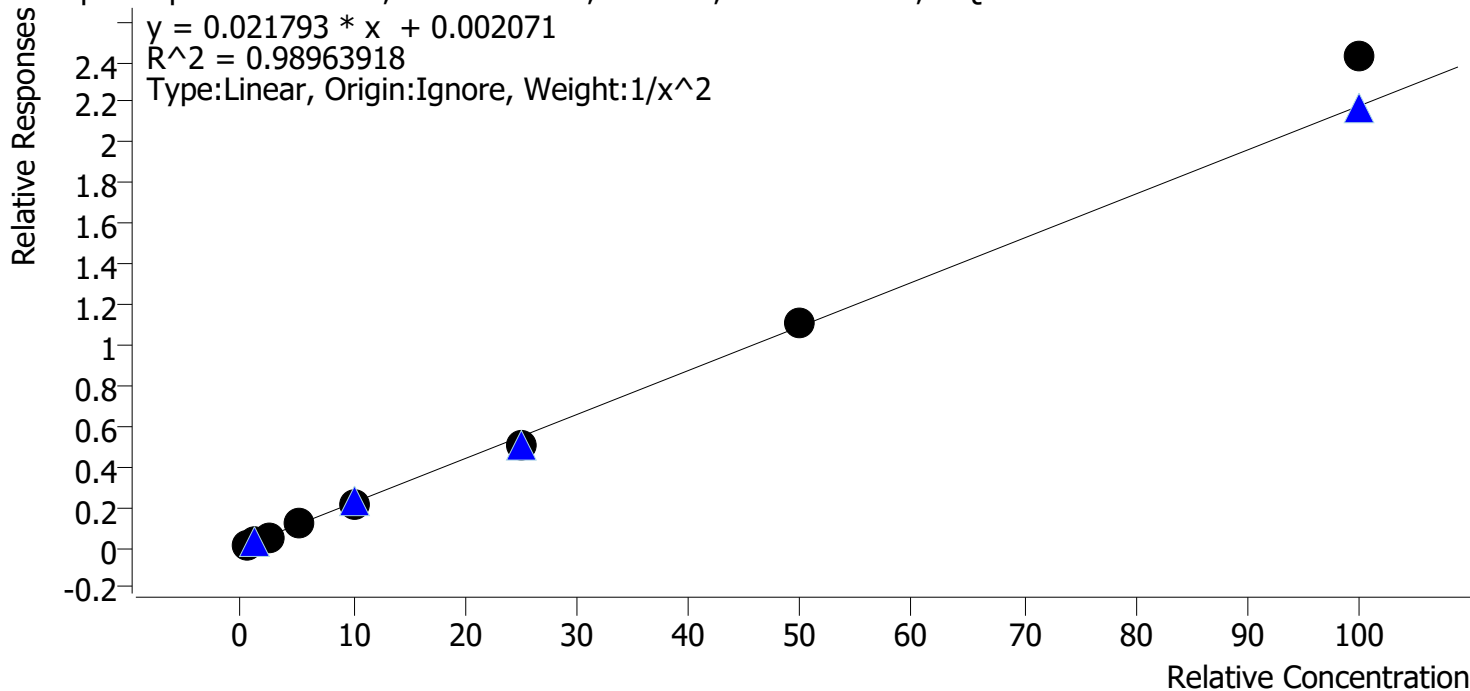
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	236.3	94.5
p1 Cal 7-500ng	7	✓	500.0	505.9	101.2
p1 Cal 8-1000ng	8	✓	1000.0	944.2	94.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

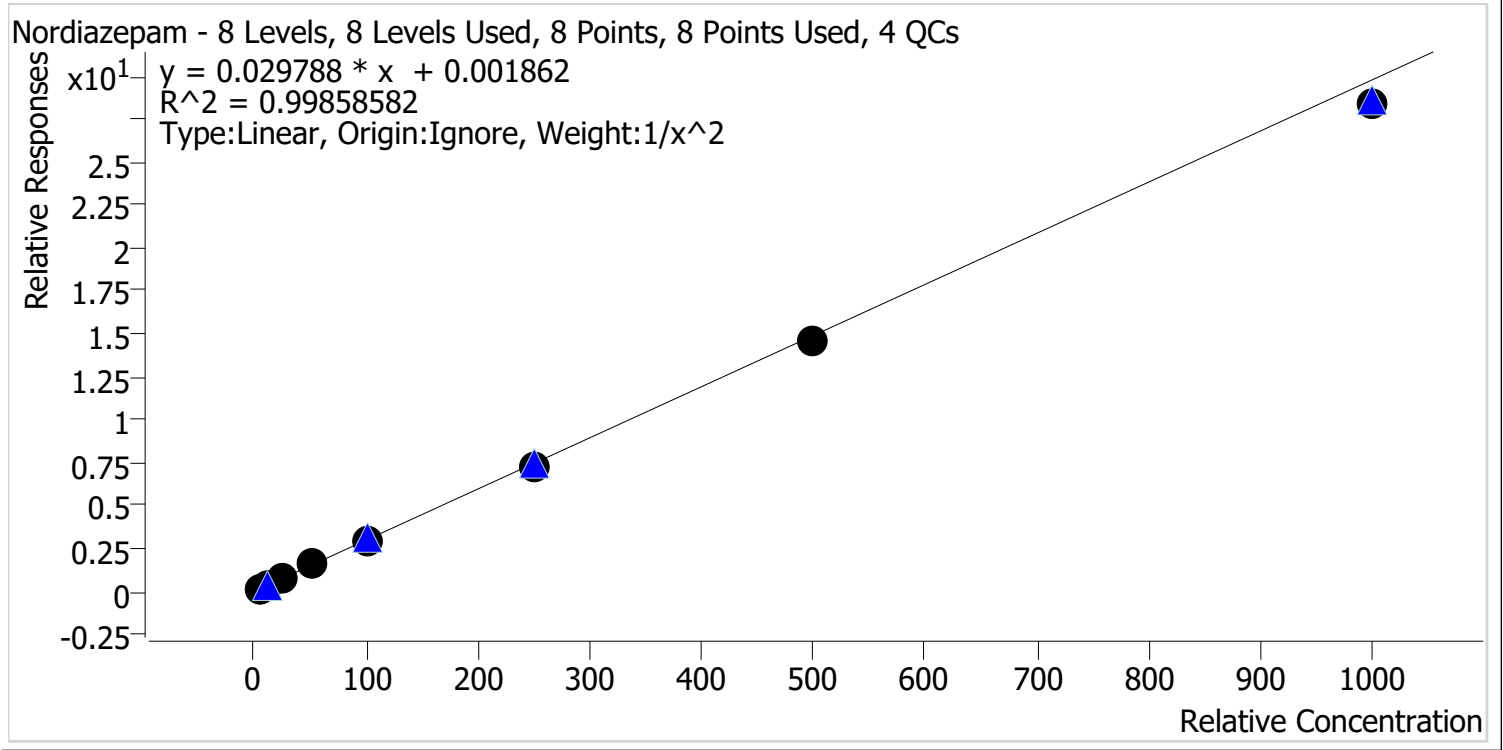


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	95.0
p1 Cal 2-10ng	2	✓	1.0	1.1	114.0
p1 Cal 3 -25ng	3	✓	2.5	2.3	90.9
p1 Cal 4-50ng	4	✓	5.0	5.2	103.1
p1 Cal 5-100ng	5	✓	10.0	9.2	91.8
p1 Cal 6-250ng	6	✓	25.0	23.3	93.3
p1 Cal 7-500ng	7	✓	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✓	100.0	111.2	111.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Nordiazepam Internal Standard Nordiazepam-D5

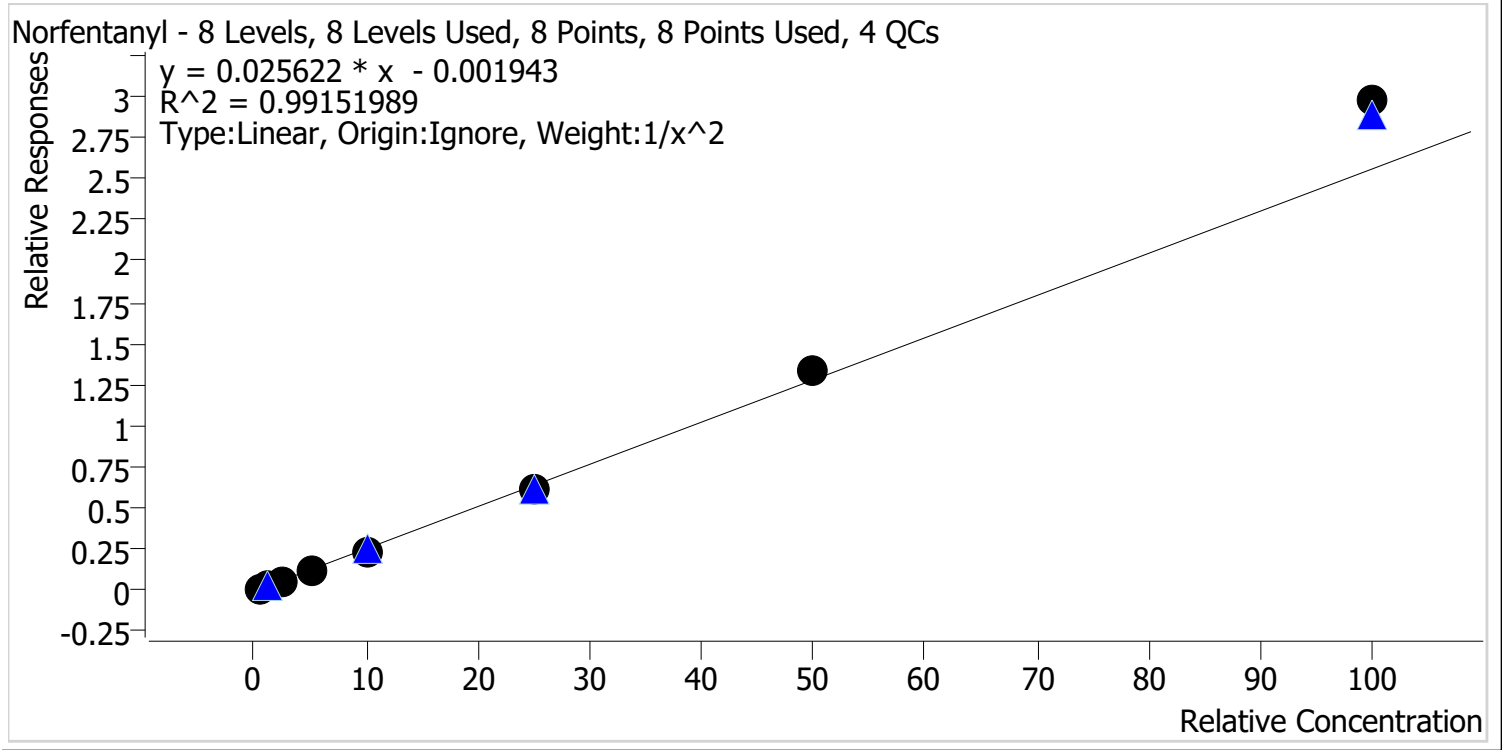


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	244.6	97.9
p1 Cal 7-500ng	7	✓	500.0	491.7	98.3
p1 Cal 8-1000ng	8	✓	1000.0	956.4	95.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



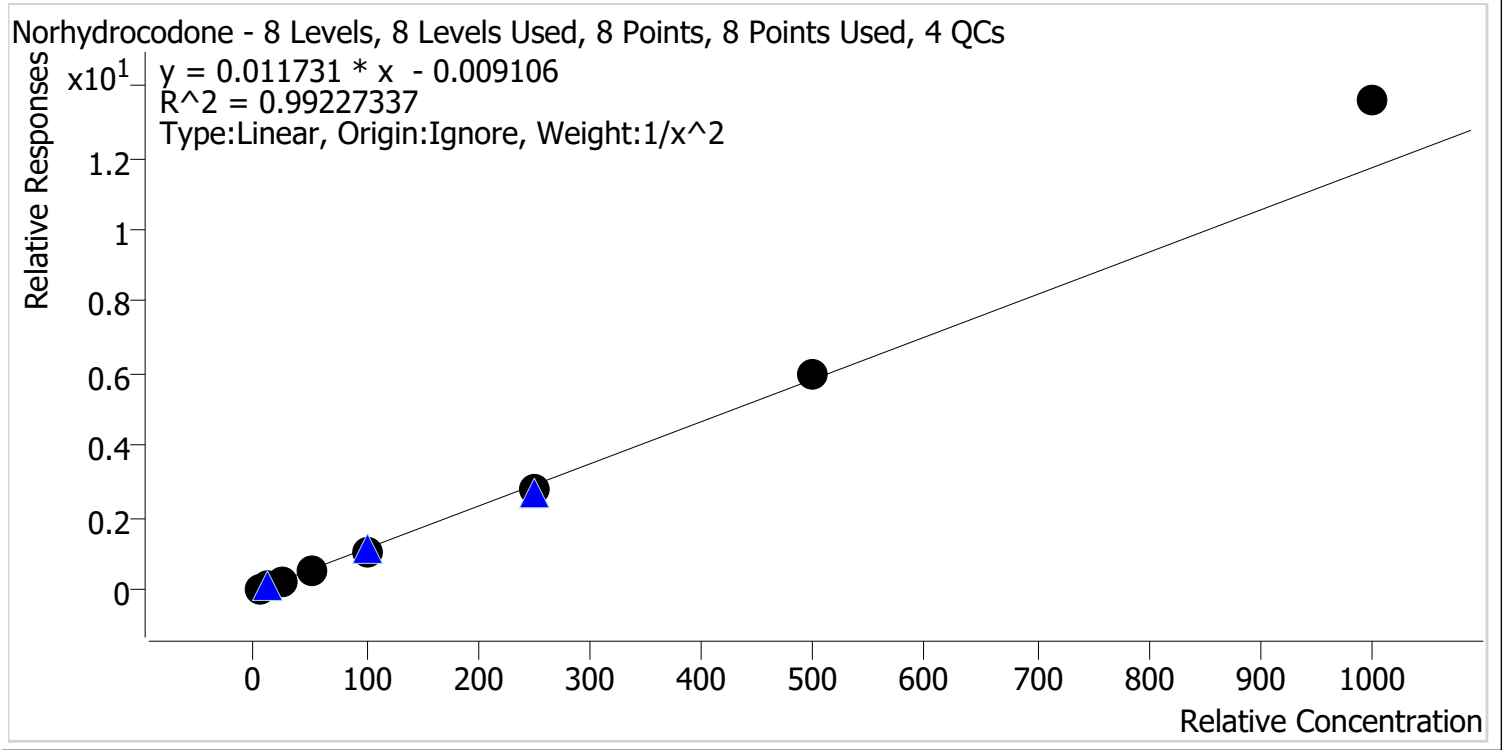
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.5
p1 Cal 2-10ng	2	✓	1.0	1.0	95.9
p1 Cal 3 -25ng	3	✓	2.5	2.3	90.7
p1 Cal 4-50ng	4	✓	5.0	4.8	95.8
p1 Cal 5-100ng	5	✓	10.0	9.5	94.7
p1 Cal 6-250ng	6	✓	25.0	24.5	98.1
p1 Cal 7-500ng	7	✓	50.0	52.0	104.0
p1 Cal 8-1000ng	8	✓	100.0	116.2	116.2

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

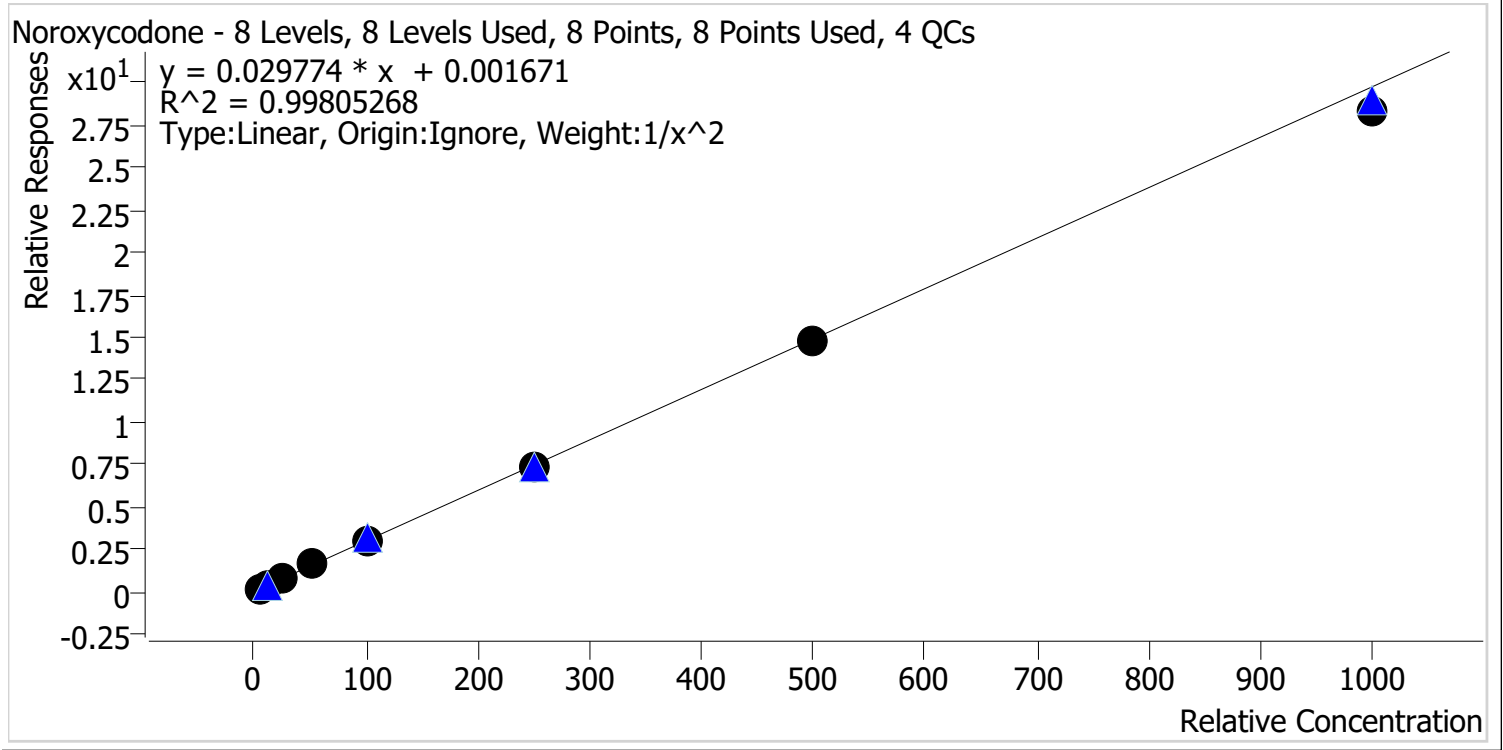


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.2
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.1
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	94.7	94.7
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	512.8	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1158.4	115.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

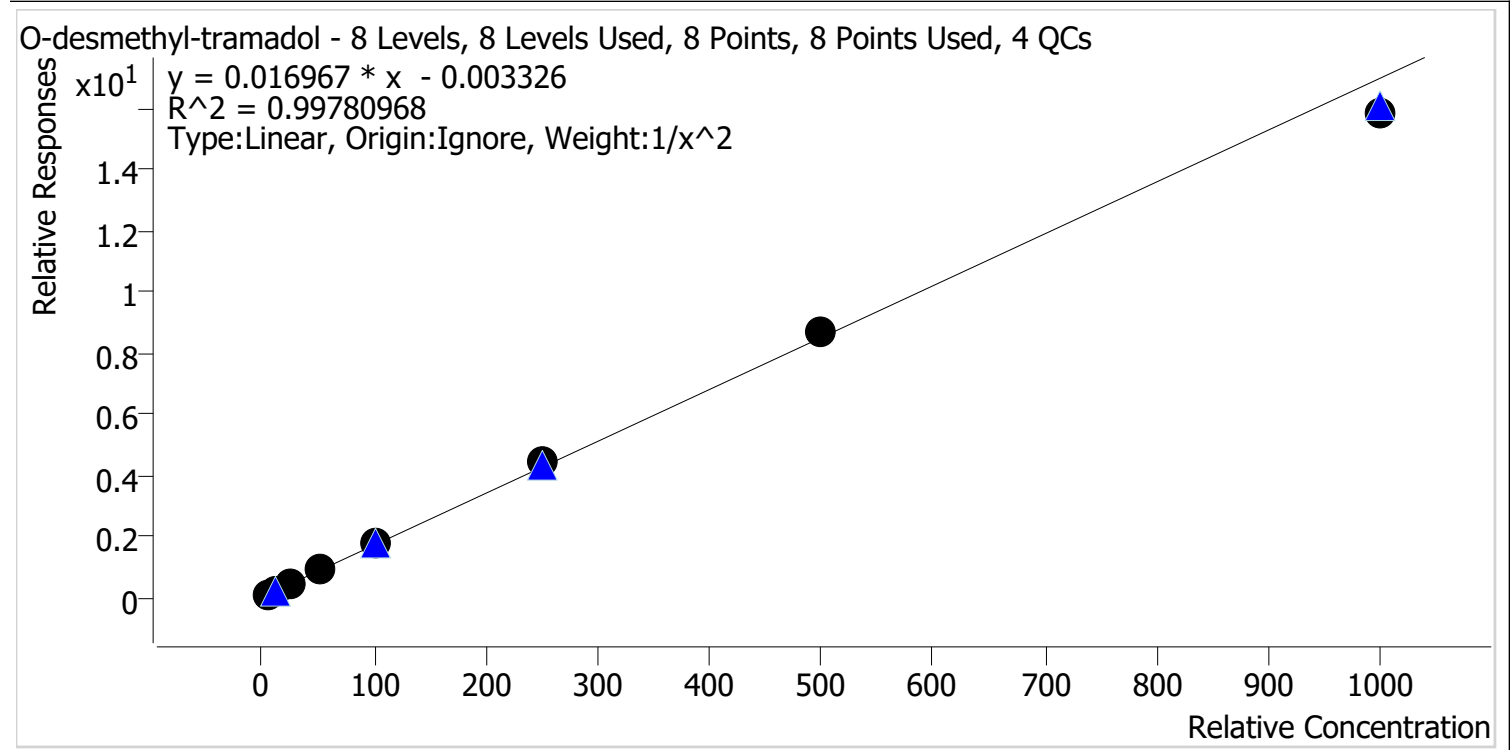


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	948.4	94.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

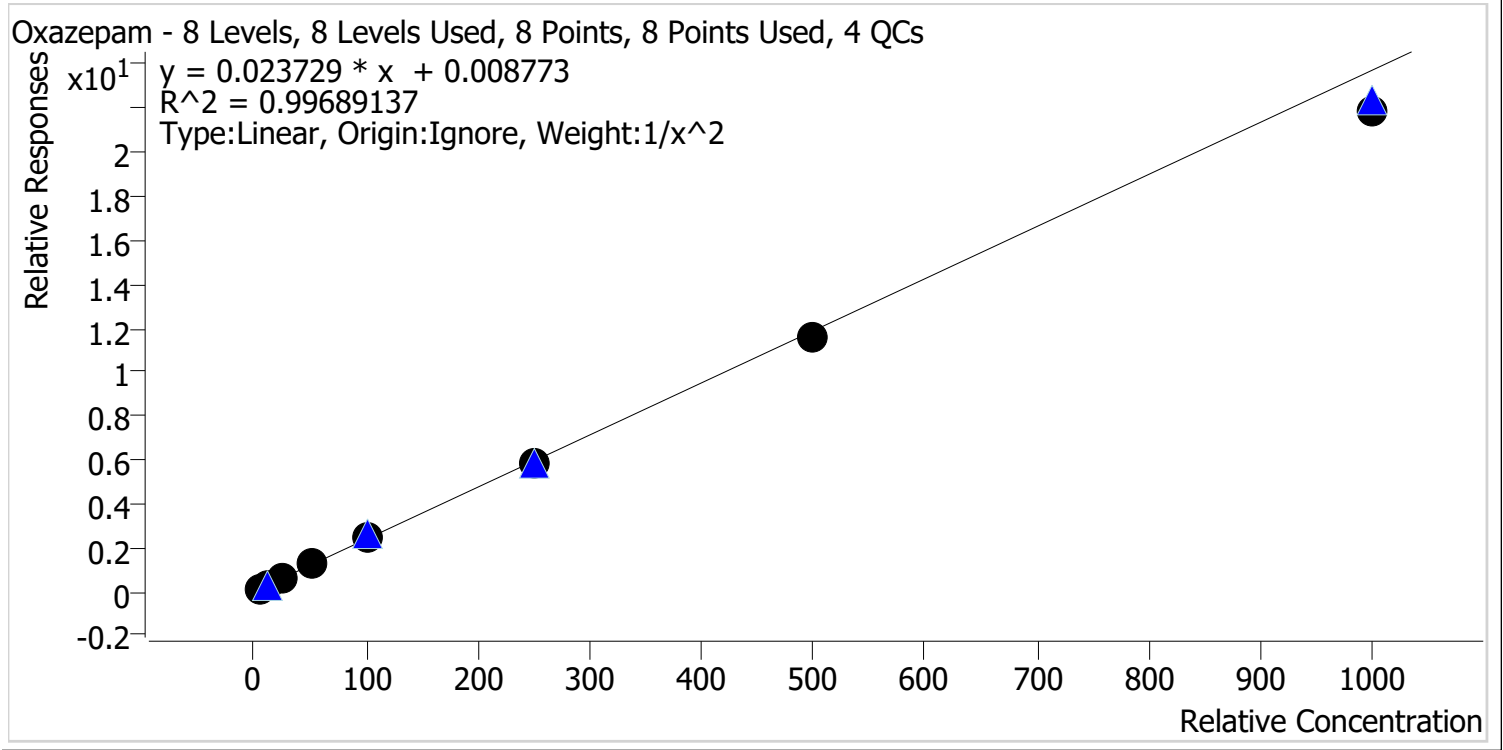


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	259.6	103.8
p1 Cal 7-500ng	7	✓	500.0	512.2	102.4
p1 Cal 8-1000ng	8	✓	1000.0	929.4	92.9



AM #28 Multi-Drug Quant. Calibration Curve Report

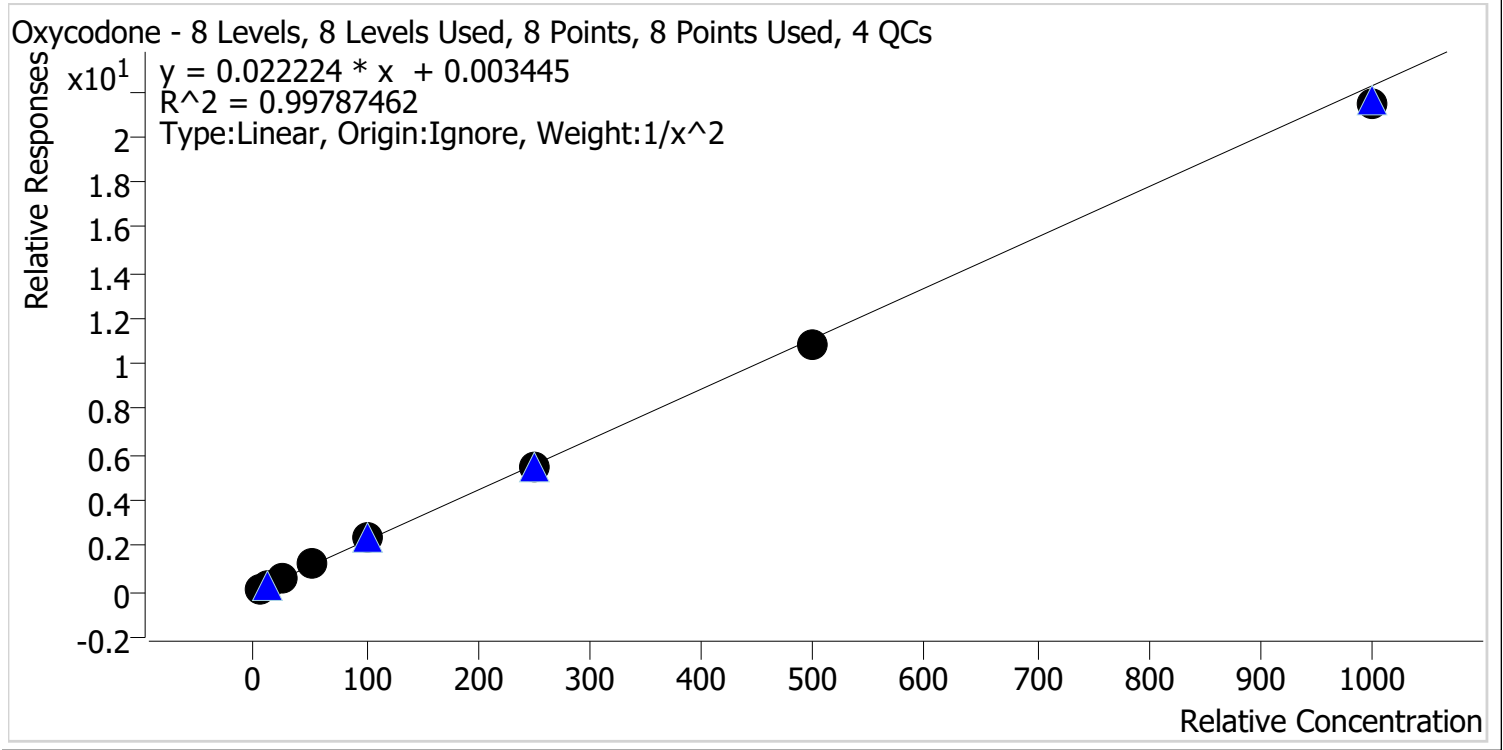
Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	487.4	97.5
p1 Cal 8-1000ng	8	✓	1000.0	923.8	92.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



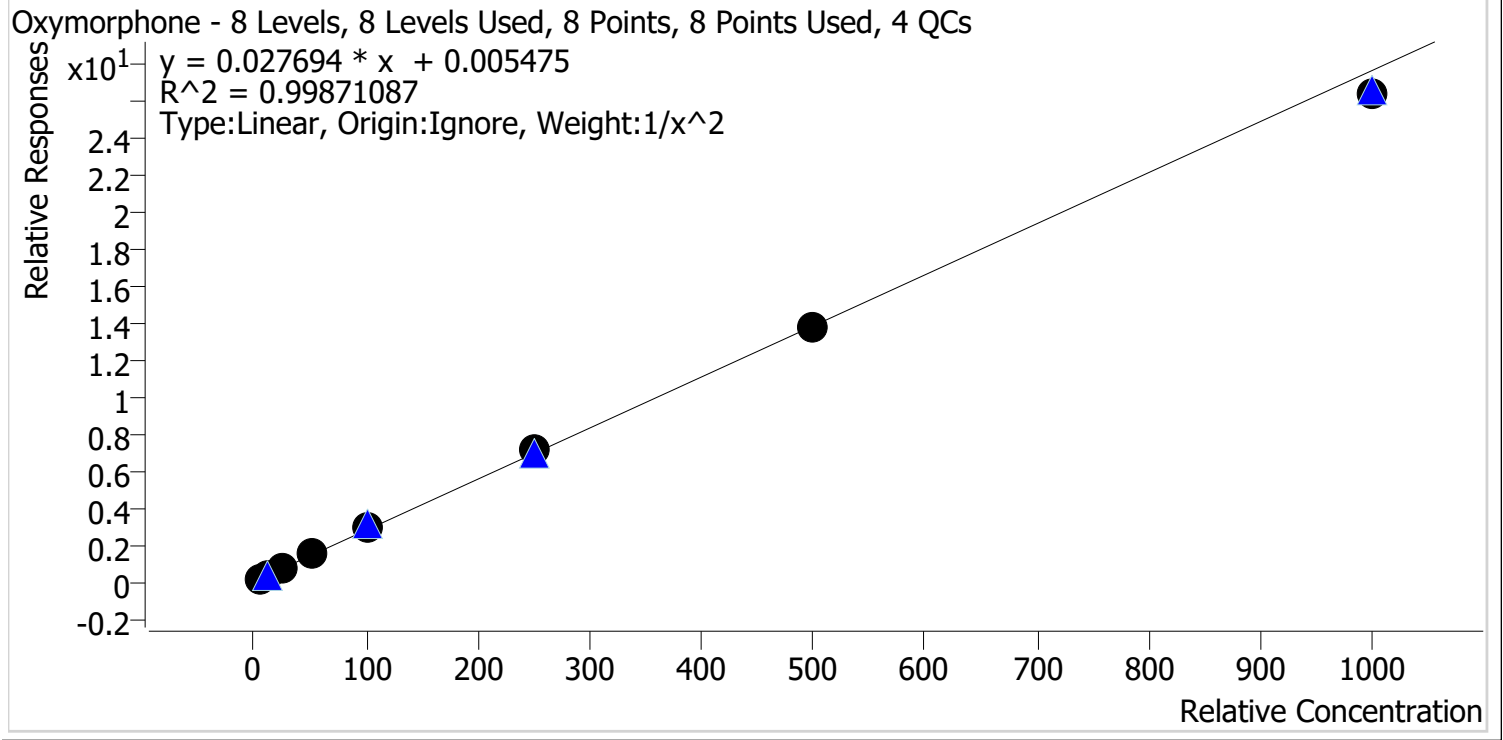
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	54.1	108.1
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	244.3	97.7
p1 Cal 7-500ng	7	✓	500.0	486.9	97.4
p1 Cal 8-1000ng	8	✓	1000.0	964.1	96.4

g



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



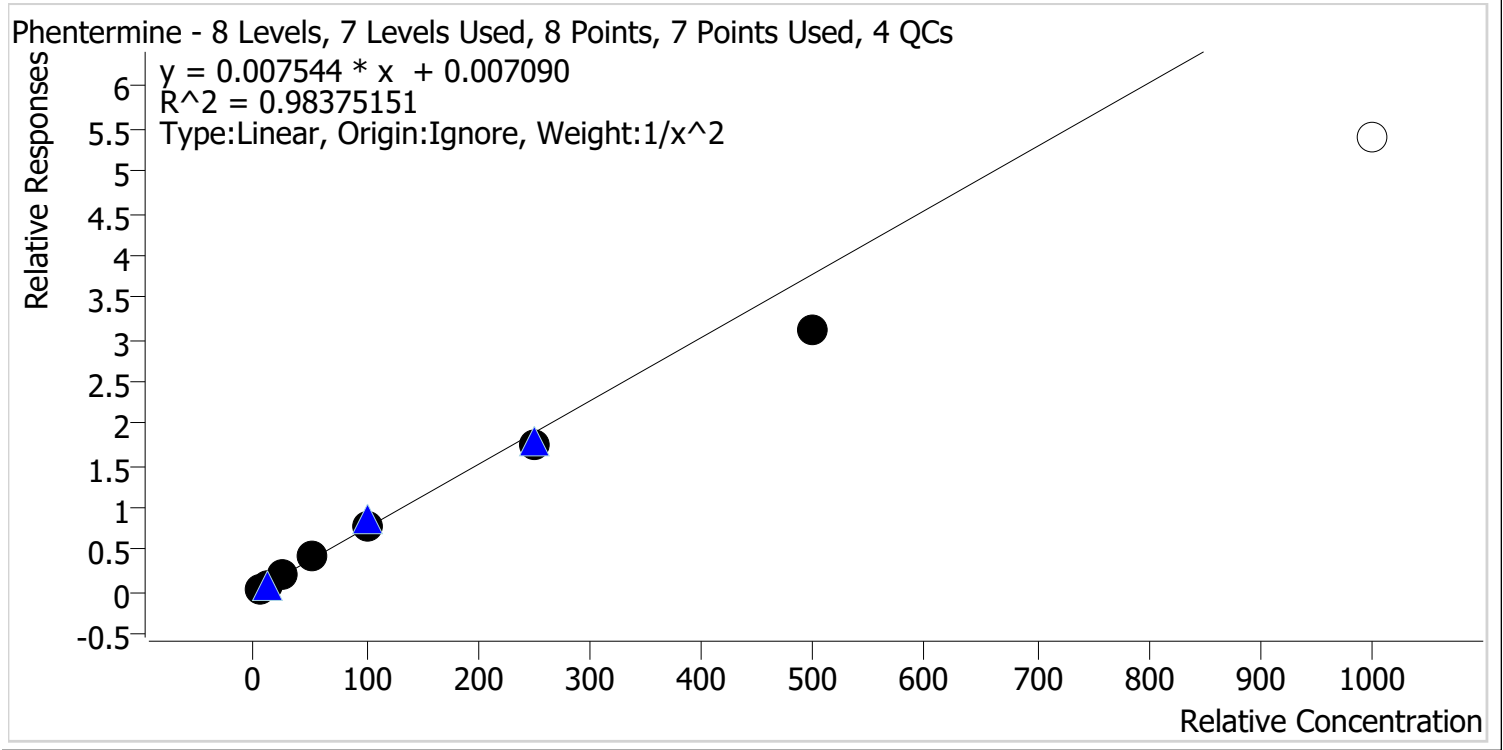
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	257.6	103.0
p1 Cal 7-500ng	7	✓	500.0	499.2	99.8
p1 Cal 8-1000ng	8	✓	1000.0	957.7	95.8

g



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



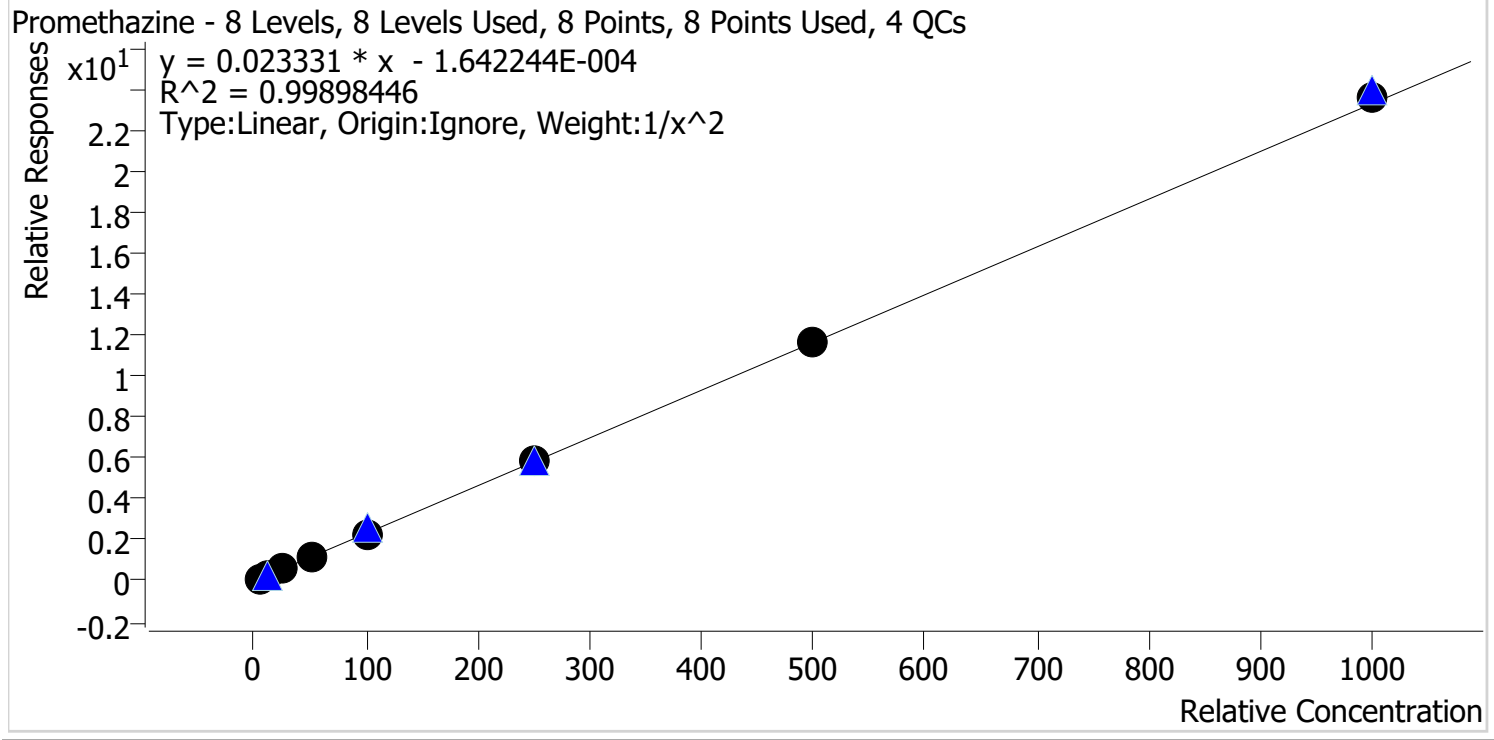
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	58.4	116.8
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	229.6	91.9
p1 Cal 7-500ng	7	✓	500.0	414.6	82.9
p1 Cal 8-1000ng	8	✗	1000.0	716.7	71.7

Calibrator 8 dropped due to not meeting accuracy requirement



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

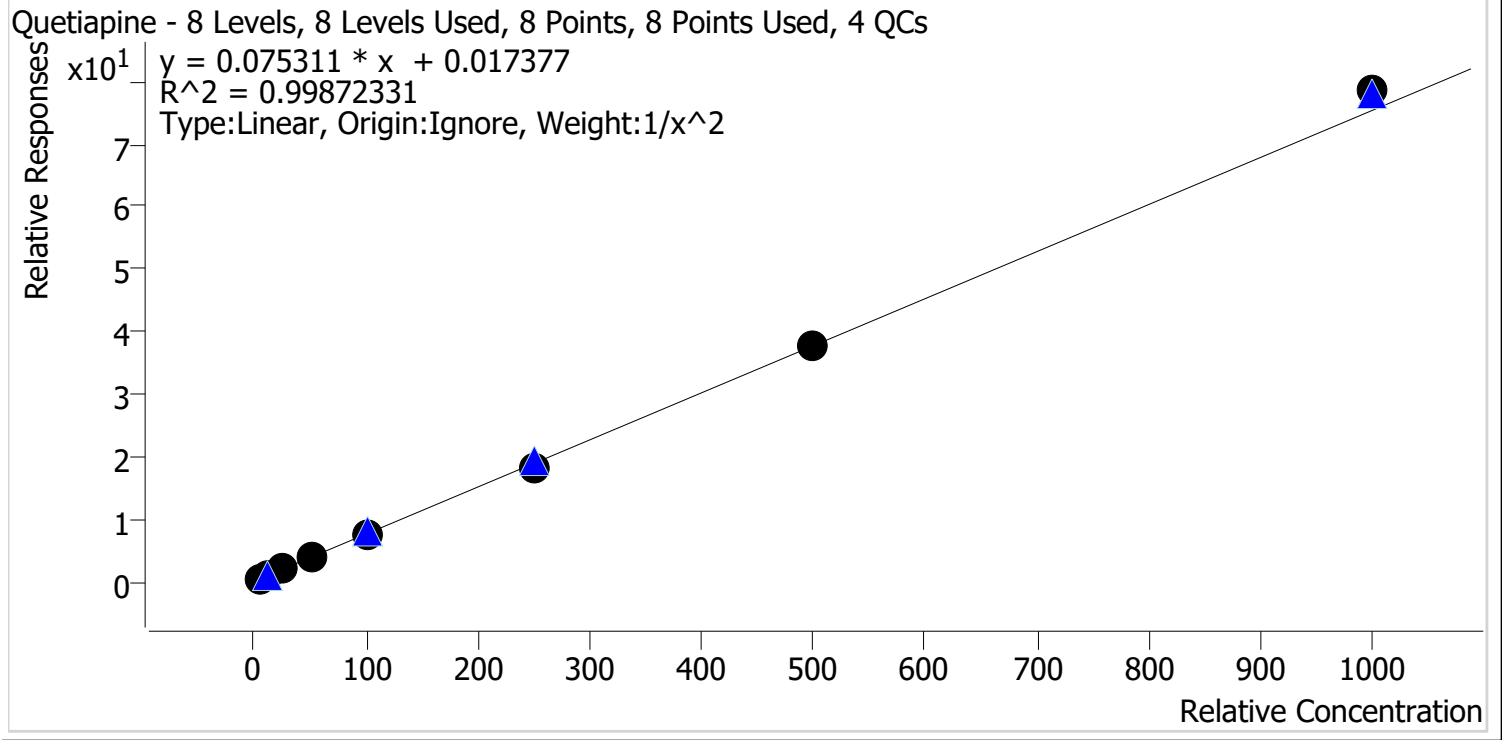


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	249.4	99.7
p1 Cal 7-500ng	7	✓	500.0	502.9	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1016.3	101.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

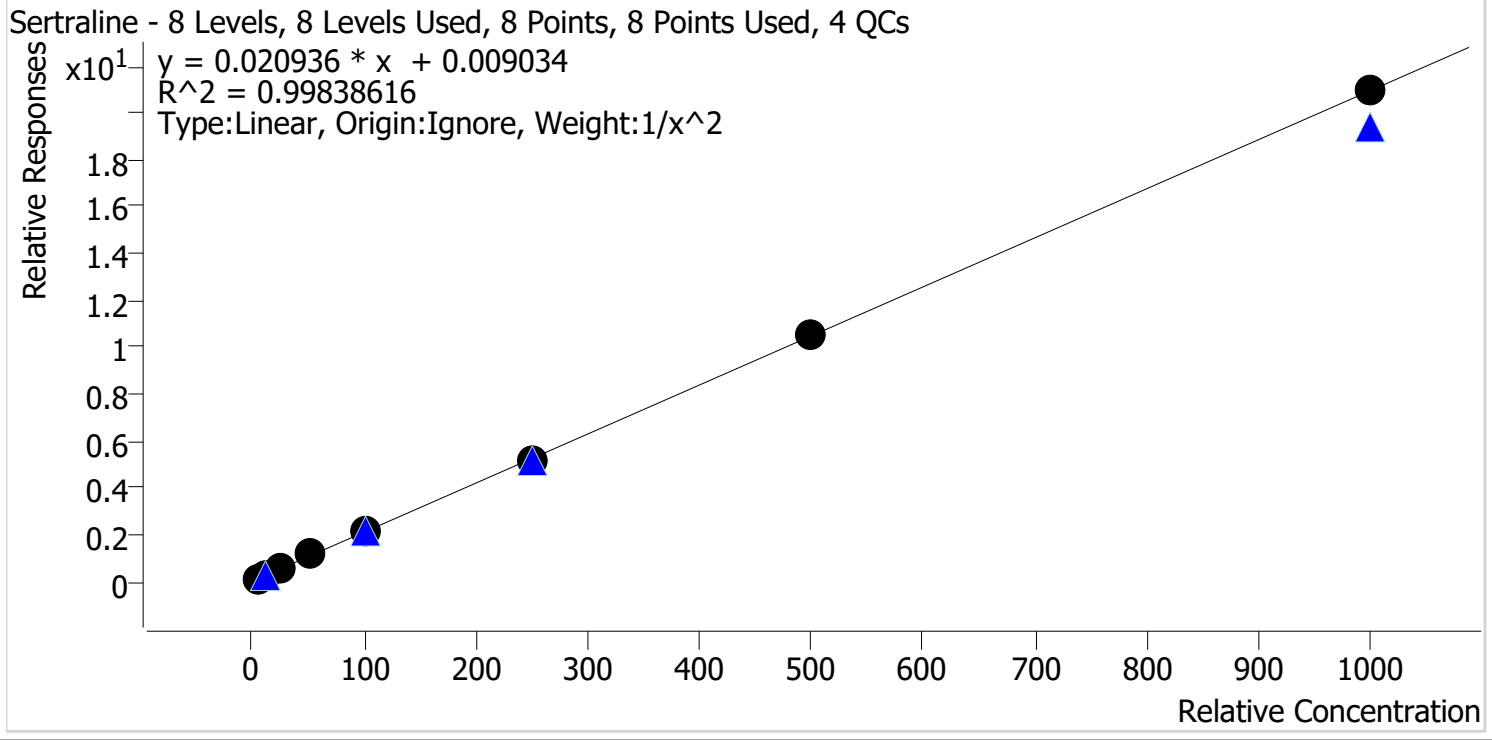


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	51.9	103.9
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	239.9	96.0
p1 Cal 7-500ng	7	✓	500.0	502.5	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1042.2	104.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

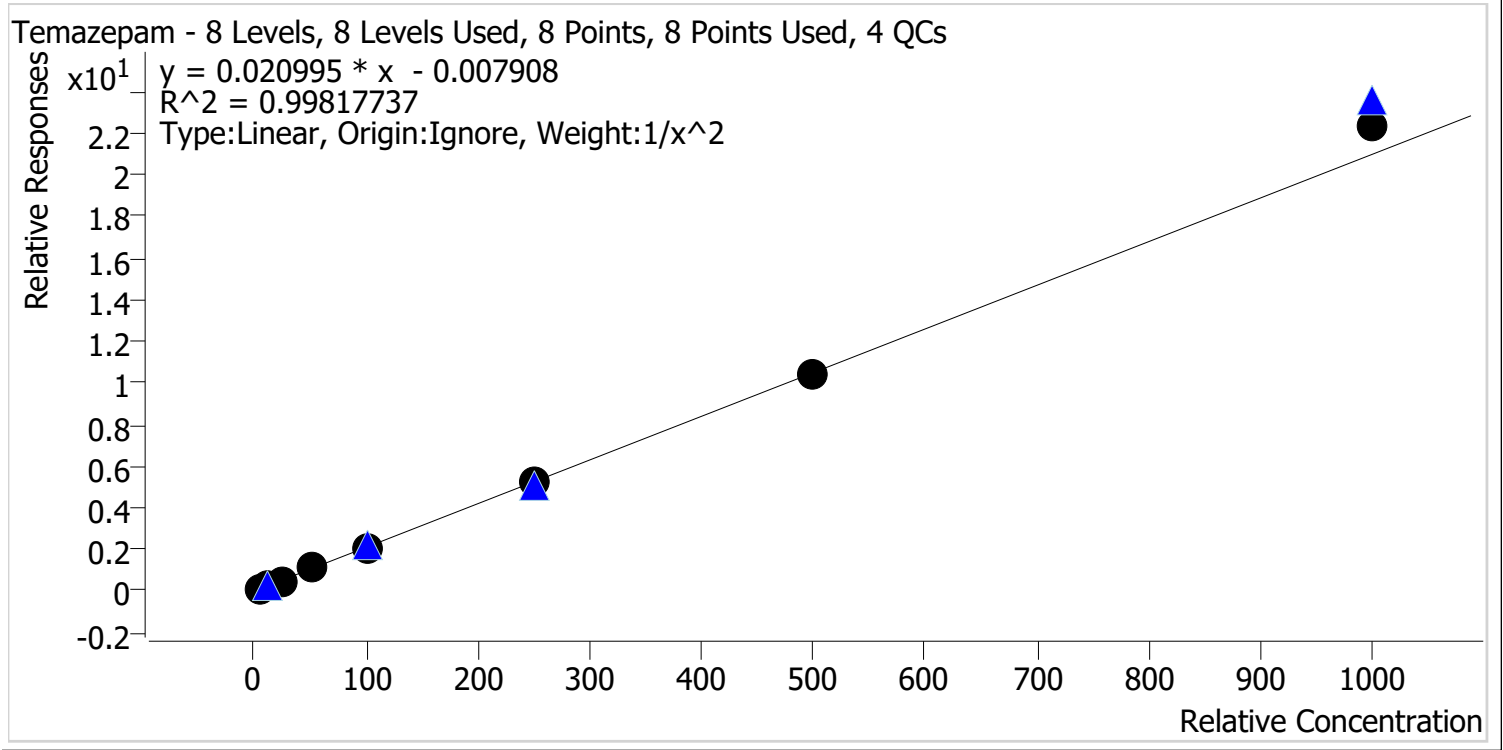


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	505.7	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1000.2	100.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

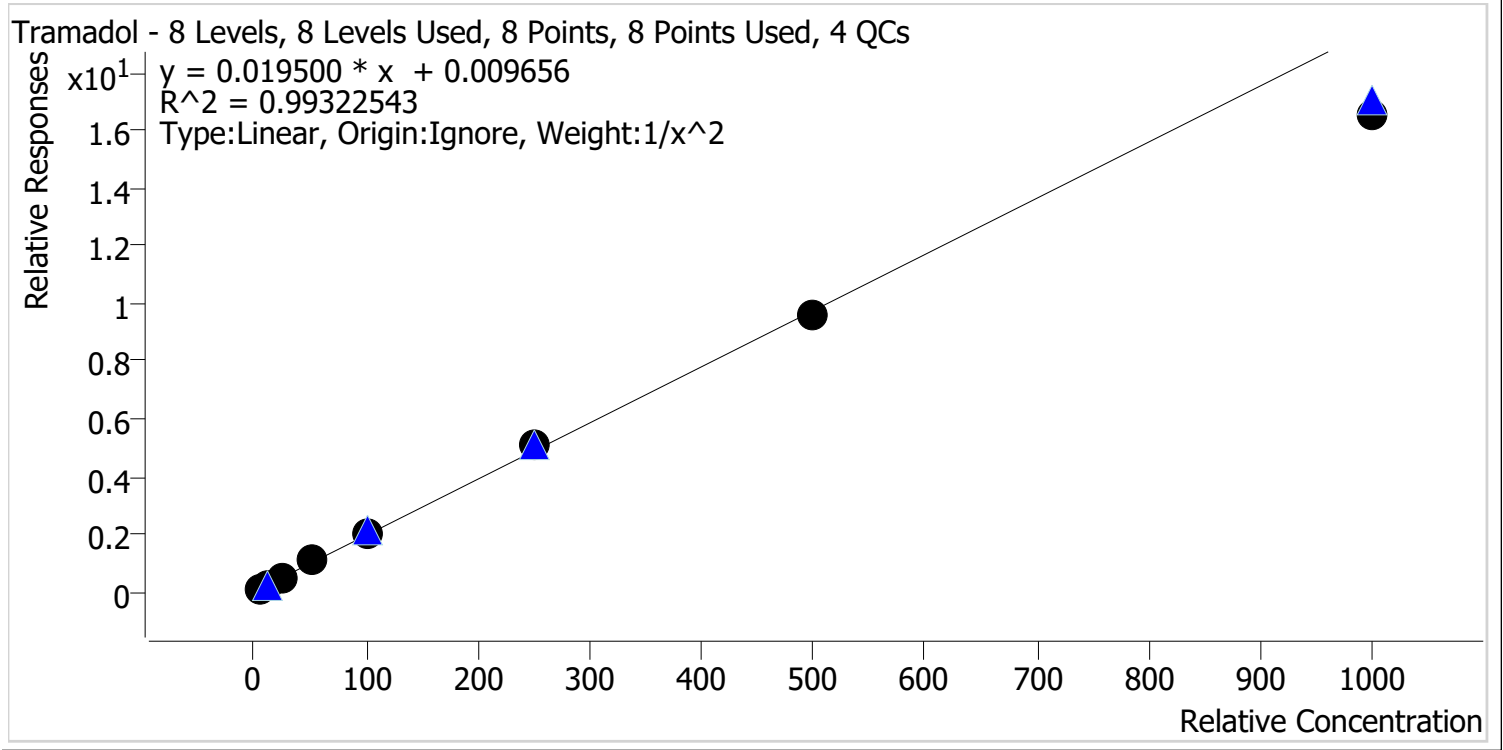


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.2
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1068.8	106.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

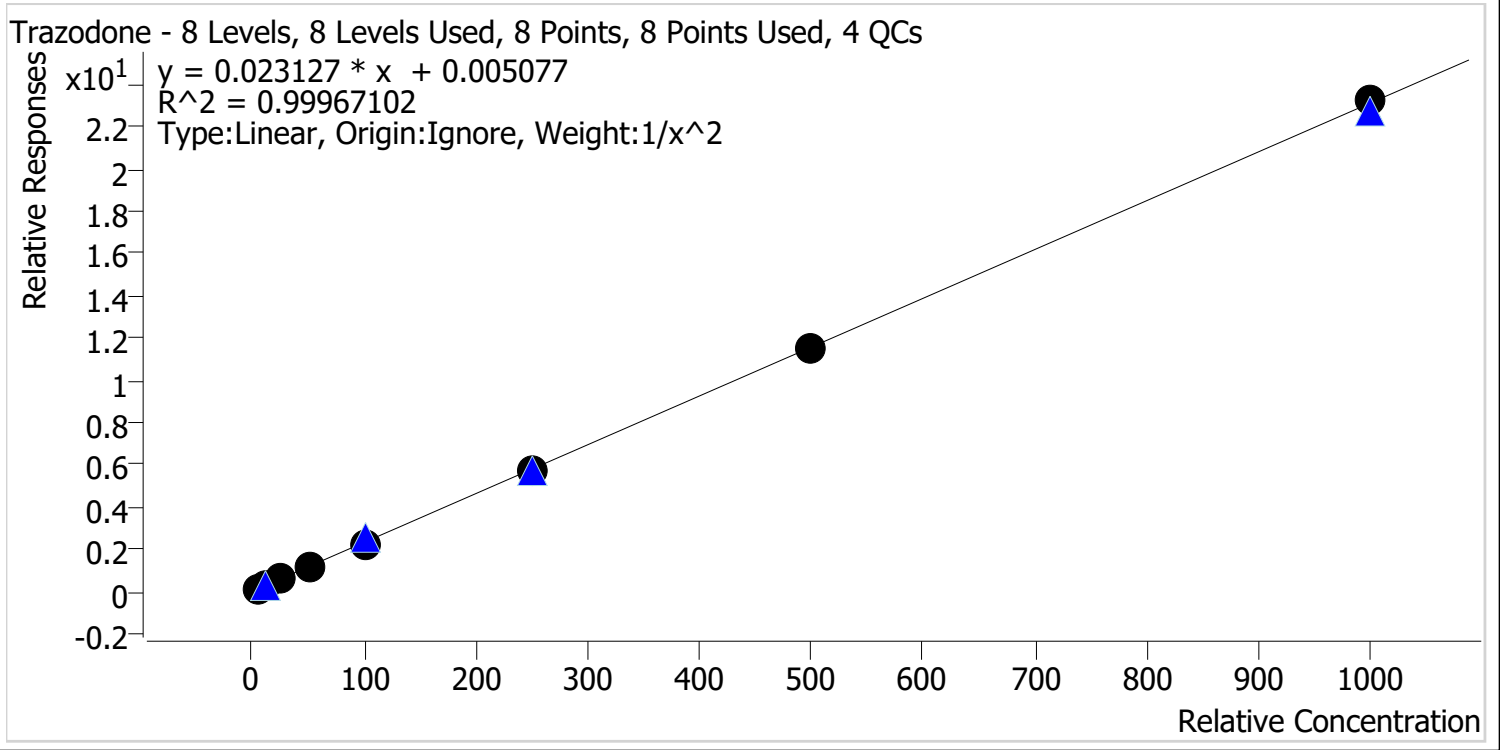


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	261.6	104.6
p1 Cal 7-500ng	7	✓	500.0	492.1	98.4
p1 Cal 8-1000ng	8	✓	1000.0	846.7	84.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



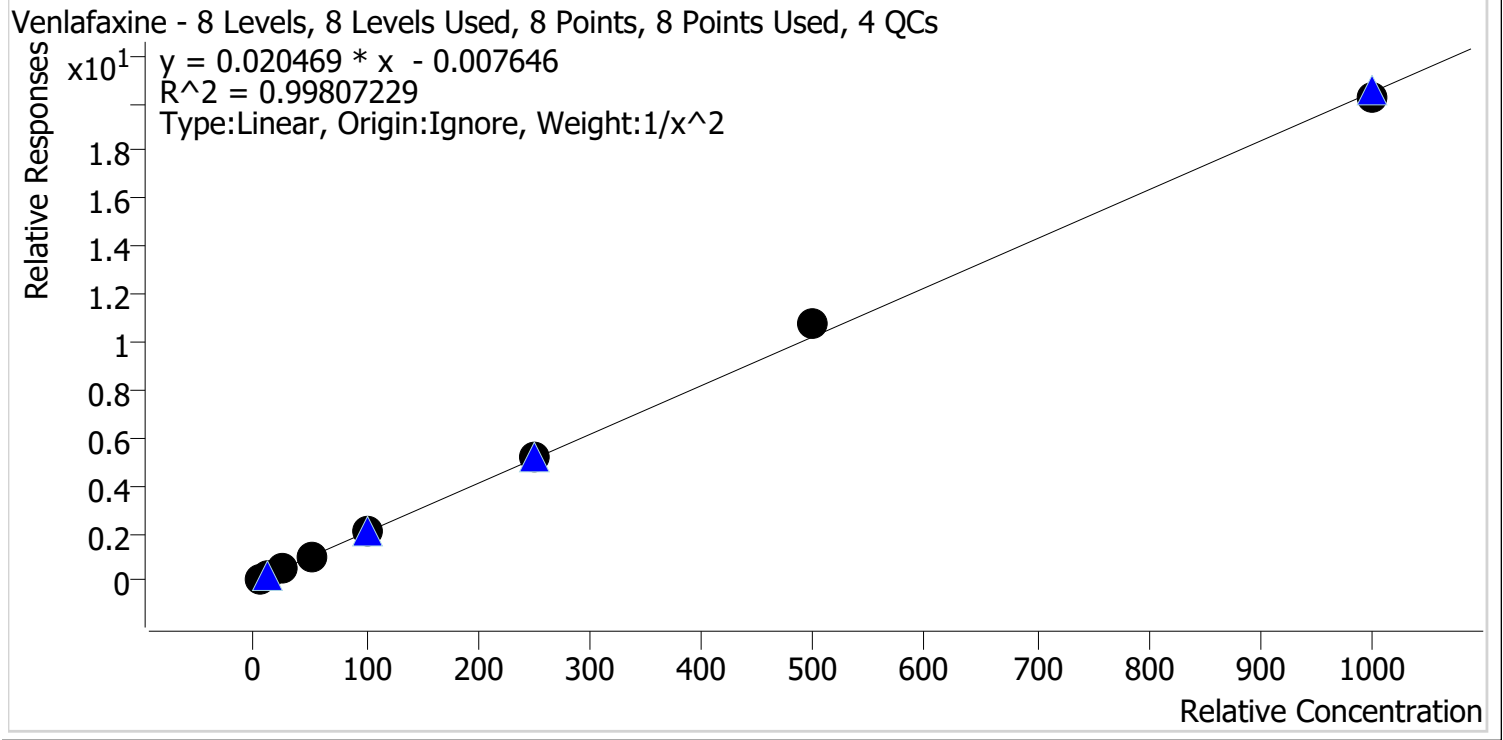
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	498.6	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1005.1	100.5

cg



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

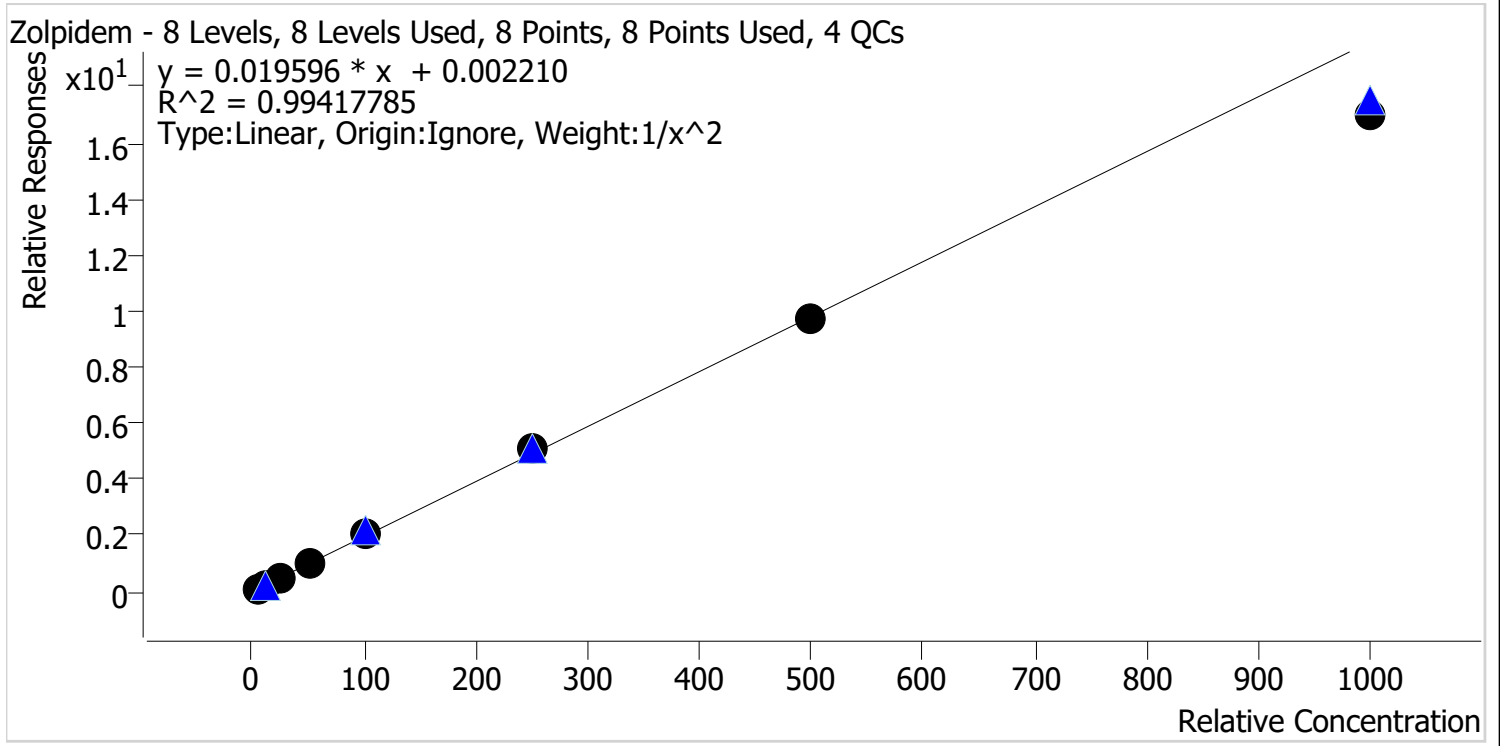


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.5
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	257.4	102.9
p1 Cal 7-500ng	7	✓	500.0	524.4	104.9
p1 Cal 8-1000ng	8	✓	1000.0	986.3	98.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 6/8/2021 12:21 PM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	259.1	103.6
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	865.1	86.5

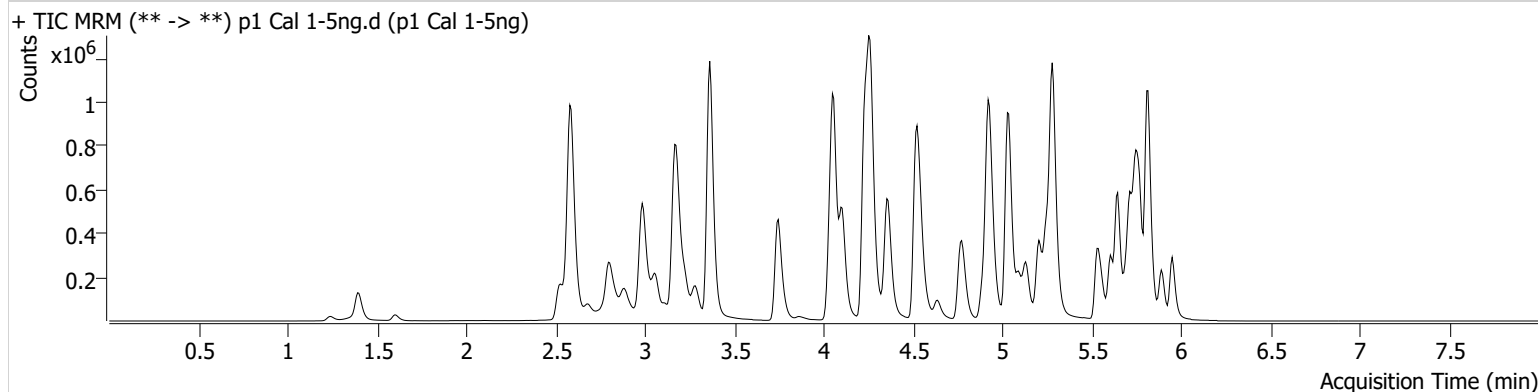
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

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	Celena Shrum
Sample Position	P6-H12	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 5:59:52 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	2647	868.45	72.6	1594.96	122933	0.5201 ng/ml
7-aminoclonazepam	4.271	26496	285.80	78.8	233.12	197489	5.1500 ng/ml
a-hydroxyalprazolam	5.692	26934	815.47	60.5	478.95	627381	4.8407 ng/ml
alpha-PHP	4.937	37508	254.87	269.2	1129.87	1277553	4.8922 ng/ml
alpha-PVP	4.370	144175	577.84	52.4	324.29	1277553	5.1071 ng/ml
Alprazolam	5.775	91799	313.43	109.0	295.60	627381	5.0617 ng/ml
Amphetamine	3.063	287557	1387.85	45.4	1541.51	510676	4.7239 ng/ml
Benzoylecgonine	3.892	4140	41.38	9.2	6.55 Low	28718	4.9888 ng/ml
Buprenorphine	5.887	2342	341.80	16.5	741.61	177514	0.5316 ng/ml
Bupropion	4.788	129122	565.93	61.3	228.49	901055	5.0417 ng/ml
Carisoprodol	5.724	84736	805.55	61.1	184.99	854530	5.1520 ng/ml
Citalopram	5.205	78231	156.54	39.9	366.34	719317	5.1055 ng/ml
Clonazepam	5.612	101901	4085.20	31.9	832.37	238998	4.9087 ng/ml
Clonazepam	5.549	68082	1731.48	37.3	7441.03	238998	4.9469 ng/ml
Cocaine	4.264	116532	434.49	51.4	4860.54	2165146	5.1008 ng/ml
Codeine	2.573	13068	635.09	106.2	108.81	128462	4.7024 ng/ml
Cyclobenzaprine	5.615	25111	1125.75	8.8	20.41	196270	5.1729 ng/ml
Dextromethorphan	5.255	37042	7608.48	84.7	337.11	363531	5.0479 ng/ml
Dextrophan	4.105	40295	808.69	202.7	444.28	982800	5.1461 ng/ml
Diazepam	5.960	53876	266.28	88.3	323.80	501197	5.0002 ng/ml
Dihydrocodeine	2.552	32897	420.75	69.7	311.47	394378	4.8049 ng/ml
Diphenhydramine	5.282	199101	895.66	33.6	1596.70	2466104	5.0999 ng/ml
Doxylamine	4.536	276063	7266.68	96.7	2418.73	2424780	4.9874 ng/ml
EDDP	5.248	49816	281.90	41.7	3209.07	551446	5.1205 ng/ml
Etizolam	5.813	58302	655.89	25.1	20973.97	238998	6.2749 ng/ml
Fentanyl	5.109	4659	33.34	61.9	7435.04	423113	0.5133 ng/ml
Flualprazolam	5.705	40815	1070.11	95.2	3989.37	627381	4.9076 ng/ml
Fluoxetine	5.700	24686	246.89	8.2	316.02	184361	4.9575 ng/ml
Hydrocodone	3.018	48845	97.95	40.5	89.67	1180884	4.8247 ng/ml
Hydromorphone	1.601	44580	32057.11	77.6	424.66	11643	4.8472 ng/ml
Ketamine	4.051	111247	3824.58	36.0	114.58	1000623	4.9373 ng/ml
Lamotrigine	4.280	9035	261.69	81.2	175.76	1000623	4.7839 ng/ml
Levetiracetam	2.683	43286	460.95	174.5	145.71	2600265	5.1456 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	103052	1097.75	57.1	70.50	238998	4.8684 ng/ml
MDA	3.196	181456	524.94	24.4	135.24	828062	4.6914 ng/ml
MDMA	3.290	110542	366.39	76.9	370.04	198473	5.0055 ng/ml
Meprobamate	4.917	46300	516.61	29.7	400.55	440192	4.7751 ng/ml
Methadone	5.646	115886	3356.88	50.8	1669.49	1067175	5.0567 ng/ml
Methamphetamine	3.231	216553	128.67	37.4	113.83	1538015	4.7705 ng/ml
Metoprolol	4.326	27325	1200.86	94.7	1196.14	2370813	4.9119 ng/ml
Mirtazapine	4.637	131727	1218.61	52.9	981.52	1277553	5.1716 ng/ml
Mitragynine	5.237	17442	8118.87	40.2	13612.75	1067175	4.8931 ng/ml
Morphine	1.247	5925	64574.54	39.2	142.27	11643	4.9632 ng/ml
Norbuprenorphine	4.986	317	320.12	86.9	173.39	25555	0.4749 ng/ml
Nordiazepam	5.900	55126	782.23	55.6	276.40	370719	4.9294 ng/ml
Norfentanyl	4.079	22634	453.87	35.4	14.84	1977263	0.5226 ng/ml
Norhydrocodone	3.060	7300	45.08	41.6	339.76	140275	5.2125 ng/ml
Noroxycodone	2.903	56302	428.87	42.5	519.62	378944	4.9341 ng/ml
O-desmethyl-tramadol	3.369	232048	770.37	6.9	191.92	2815452	5.0536 ng/ml
Oxazepam	5.749	117187	684.77	74.2	161.26	922850	4.9818 ng/ml
Oxycodone	2.827	102493	1159.15	27.5	345.13	896323	4.9903 ng/ml
Oxymorphone	1.398	50305	1303.34	42.8	708.74	347840	5.0244 ng/ml
Phentermine	3.783	55200	43.79	4.4	17.81	1270786	4.8180 ng/ml
Promethazine	5.532	56964	850.68	27.4	64.47	479513	5.0989 ng/ml
Pseudoephedrine	2.596	271214	543.26	16.2	7611.64	2600265	5.2004 ng/ml
Quetiapine	5.562	85081	73524.43	56.7	13425.80	214747	5.0300 ng/ml
Sertraline	5.776	9644	∞	101.8	135.37	85256	4.9714 ng/ml
Temazepam	5.816	189970	1869.54	29.5	86.82	1908795	5.1169 ng/ml
Tramadol	4.246	250553	8926.70	3.6	66.46	2370813	4.9243 ng/ml
Trazodone	5.190	73251	6119.37	81.3	6222.30	608841	4.9827 ng/ml
Venlafaxine	5.037	218611	265.44	38.1	598.90	2255135	5.1095 ng/ml
Zolpidem	4.948	234625	3028.90	32.1	2288.72	2359434	4.9617 ng/ml

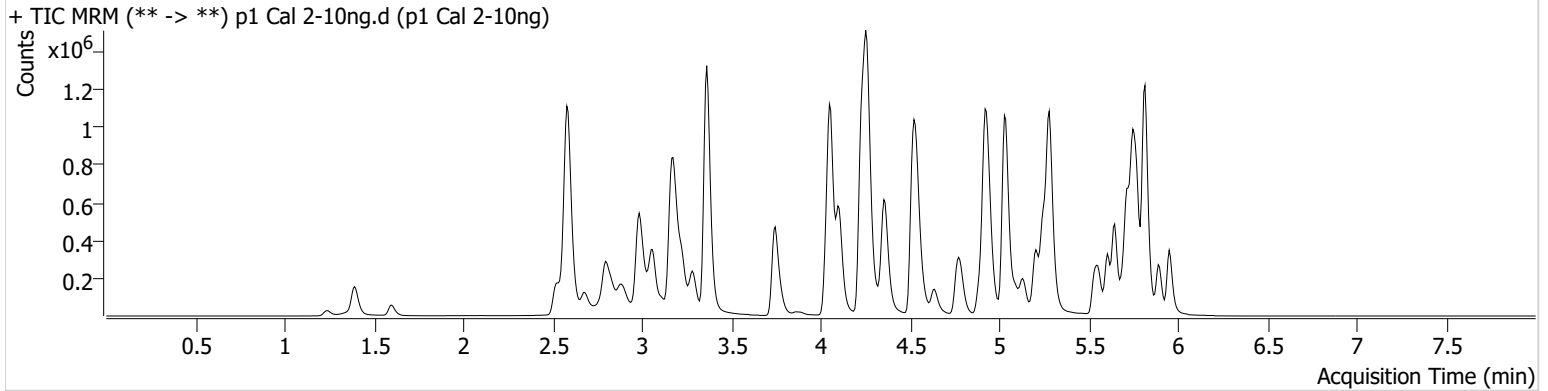
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

Instrument	Falco (069901)	Data File	p1 Cal 2-10ng.d
Type	Cal	Sample	p1 Cal 2-10ng
Acq. Method	AM 28 MDQ P1.m	Operator	Celena Shrum
Sample Position	P6-G12	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 6:10:37 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	4982	287.12	76.0	5313.94	127551	0.9384 ng/ml
7-aminoclonazepam	4.271	70759	2529.28	81.1	955.08	266922	9.6255 ng/ml
a-hydroxyalprazolam	5.699	59843	228.25	57.6	452.17	644029	10.6473 ng/ml
alpha-PHP	4.937	68541	534.68	270.7	2559.32	1231713	9.9210 ng/ml
alpha-PVP	4.370	270668	1209.91	53.3	2364.76	1231713	9.7262 ng/ml
Alprazolam	5.775	187005	1059.86	112.1	623.16	644029	9.9244 ng/ml
Amphetamine	3.063	551347	696.24	46.6	1372.39	502050	10.5195 ng/ml
Benzoylcegonine	3.892	8316	66.85	7.4	32.26	29047	10.2147 ng/ml
Buprenorphine	5.887	3464	21.22	14.5	1126.81	136241	0.9260 ng/ml
Bupropion	4.788	185846	1207.93	62.2	566.49	681418	9.7193 ng/ml
Carisoprodol	5.724	170213	309133.09	61.1	993.29	891105	9.6084 ng/ml
Citalopram	5.205	121149	1703.23	41.9	523.09	576055	9.7231 ng/ml
Clonazepam	5.612	207541	1174.10	32.7	552.66	246401	10.0529 ng/ml
Clonazepam	5.549	139903	2564.05	37.7	128914.19	246401	9.9860 ng/ml
Cocaine	4.257	232304	3875.49	51.8	434.89	2182258	9.8323 ng/ml
Codeine	2.573	27632	531.01	101.5	338.17	131429	10.6747 ng/ml
Cyclobenzaprine	5.615	22970	114.37	9.2	73.24	98387	9.4448 ng/ml
Dextromethorphan	5.255	53153	682.63	81.4	71927.49	260897	9.8967 ng/ml
Dextrophan	4.105	76725	211385.72	215.5	816.27	986660	9.5331 ng/ml
Diazepam	5.960	111094	665.55	89.6	661.86	520247	9.9476 ng/ml
Dihydrocodeine	2.552	67654	5180.06	66.7	738.17	407374	10.2988 ng/ml
Diphenhydramine	5.282	323621	3946.73	33.1	1841.04	1990031	9.8803 ng/ml
Doxylamine	4.536	562765	9081.72	98.8	3647.25	2514951	9.9199 ng/ml
EDDP	5.248	134188	173.19	40.9	16982.83	742639	9.7623 ng/ml
Etizolam	5.813	118841	241927.67	25.4	78178.15	246401	10.3764 ng/ml
Fentanyl	5.109	5014	17.27	66.3	6009.96	247779	0.9623 ng/ml
Flualprazolam	5.705	84620	1934.40	94.4	7139.68	644029	10.2972 ng/ml
Fluoxetine	5.700	18745	619.09	9.1	54.96	73899	10.1418 ng/ml
Hydrocodone	3.012	100715	551.50	40.2	85.51	1220128	10.2830 ng/ml
Hydromorphone	1.601	91366	1033.85	78.3	94907.51	11920	10.1861 ng/ml
Ketamine	4.051	220413	830.59	36.1	280.80	1001580	10.1584 ng/ml
Lamotrigine	4.274	18225	323.31	79.5	265.05	1001580	10.6049 ng/ml
Levetiracetam	2.683	88665	197.39	171.9	949.05	2649646	9.7962 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	200496	361.77	59.4	453.96	246401	10.2494 ng/ml
MDA	3.196	352490	1970.26	24.8	742.95	816173	10.4921 ng/ml
MDMA	3.290	224358	1147.05	74.5	878.32	199938	10.0258 ng/ml
Meprobamate	4.917	94319	9904.82	28.8	47.26	453044	10.4262 ng/ml
Methadone	5.646	164438	3411.53	50.8	338.59	754473	9.8808 ng/ml
Methamphetamine	3.231	409708	891.65	37.2	445.20	1550339	10.3234 ng/ml
Metoprolol	4.319	54825	11595.77	93.9	854.66	2485011	9.9876 ng/ml
Mirtazapine	4.637	208365	1207.53	52.1	1461.61	1231713	8.6200 ng/ml
Mitragynine	5.237	23650	3431.16	36.8	206.19	754473	9.6672 ng/ml
Morphine	1.247	12325	117.45	39.1	1212.11	11920	10.0174 ng/ml
Norbuprenorphine	4.986	530	888.46	88.2	610.15	19690	1.1403 ng/ml
Nordiazepam	5.900	112468	695.37	54.9	446.95	370754	10.1211 ng/ml
Norfentanyl	4.079	45921	444.78	34.5	23.92	2029716	0.9588 ng/ml
Norhydrocodone	3.059	14927	37.07	39.5	81.57	144469	9.5837 ng/ml
Noroxycodone	2.903	117151	363.06	43.0	19.49	382626	10.2274 ng/ml
O-desmethyl-tramadol	3.369	476932	997.87	6.8	4169.02	2907127	9.8650 ng/ml
Oxazepam	5.756	233309	277.08	73.2	1122.05	951111	9.9681 ng/ml
Oxycodone	2.827	207797	1480.95	27.9	984.89	923601	9.9686 ng/ml
Oxymorphone	1.398	101972	∞	42.3	233.87	361269	9.9944 ng/ml
Phentermine	3.783	107265	319.28	4.4	92.78	1271433	10.2433 ng/ml
Promethazine	5.532	56906	11563.60	27.7	75.61	251932	9.6887 ng/ml
Pseudoephedrine	2.596	539099	8081.10	16.5	19106.46	2649646	9.5880 ng/ml
Quetiapine	5.562	133915	3153.59	57.6	1226.65	174036	9.9865 ng/ml
Sertraline	5.776	7043	43.39	98.1	115.71	31481	10.2542 ng/ml
Temazepam	5.816	386761	7848.66	30.1	1352.42	1964791	9.7523 ng/ml
Tramadol	4.239	513447	8356.64	3.7	155.79	2485011	10.1003 ng/ml
Trazodone	5.190	103643	224528.28	80.2	1398.39	436308	10.0517 ng/ml
Venlafaxine	5.037	434891	∞	38.2	826.03	2249506	9.8186 ng/ml
Zolpidem	4.948	471575	32346.74	31.3	7880.30	2358268	10.0916 ng/ml

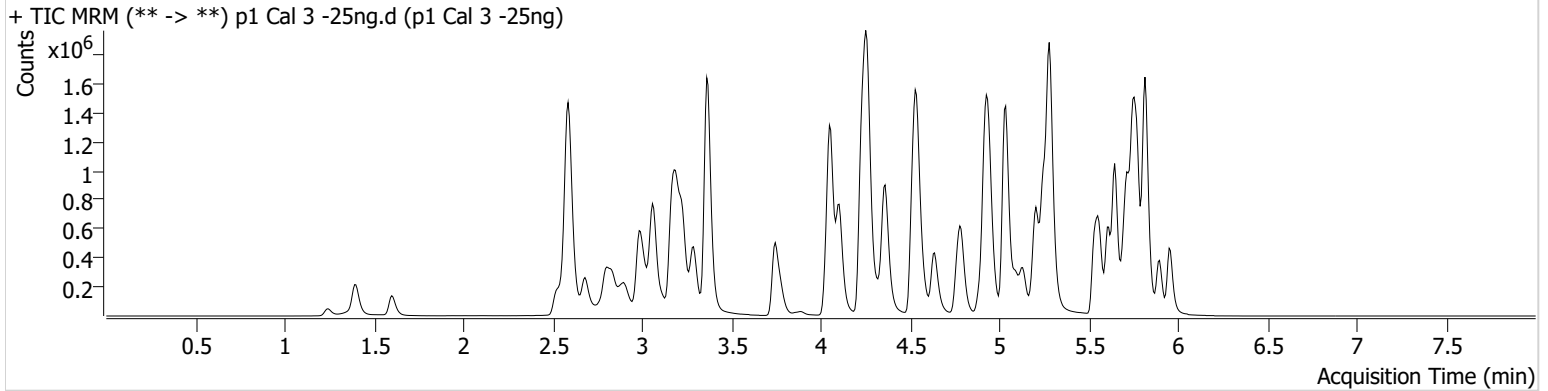
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

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	Celena Shrum
Sample Position	P6-F12	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 6:21:14 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	13121	491.15	68.1	428.66	136652	2.2980 ng/ml
7-aminoclonazepam	4.271	136566	512.28	76.8	464.66	207916	23.0168 ng/ml
a-hydroxyalprazolam	5.692	138260	323.71	57.1	391.28	643024	24.8298 ng/ml
alpha-PHP	4.937	190329	2081.80	270.5	3627.40	1345663	26.3329 ng/ml
alpha-PVP	4.370	732862	1292.65	51.8	1068.86	1345663	23.7639 ng/ml
Alprazolam	5.775	447892	1052.70	112.5	4669.71	643024	23.6359 ng/ml
Amphetamine	3.063	1369603	7791.27	46.4	1365.16	522401	27.0211 ng/ml
Benzoylecgonine	3.892	20182	3094.27	7.8	48.15	29584	24.7696 ng/ml
Buprenorphine	5.887	13444	159.60	15.0	8374.08	206510	2.2050 ng/ml
Bupropion	4.788	656273	511.11	60.9	1028.94	947885	24.8840 ng/ml
Carisoprodol	5.724	413139	599264.53	56.7	256.50	855275	23.7771 ng/ml
Citalopram	5.212	410992	503.95	41.4	300.50	795574	23.6504 ng/ml
Clonazepam	5.612	498272	1090.20	31.3	704.28	238317	25.4945 ng/ml
Clonazepam	5.549	338662	32630.99	37.6	325888.87	238317	25.1840 ng/ml
Cocaine	4.257	587688	9233.87	51.5	7001.25	2281134	23.4236 ng/ml
Codeine	2.580	68443	9187.54	102.0	246.49	135631	26.8760 ng/ml
Cyclobenzaprine	5.615	138959	838.91	9.1	580.40	236776	23.7523 ng/ml
Dextromethorphan	5.255	215366	25408.26	81.1	4447.65	427427	24.1870 ng/ml
Dextrophan	4.105	208415	2955.23	200.6	825.73	1049791	23.9454 ng/ml
Diazepam	5.960	263083	1069.29	90.8	3864.95	502598	24.4060 ng/ml
Dihydrocodeine	2.552	172015	940175.20	66.2	672.07	420161	26.4717 ng/ml
Diphenhydramine	5.282	1071524	17724.50	33.7	192.53	2727684	23.3198 ng/ml
Doxylamine	4.536	1442555	11725.68	97.8	32631.05	2638831	24.4096 ng/ml
EDDP	5.248	388135	805.84	42.8	360.50	875388	23.2581 ng/ml
Etizolam	5.813	288279	23631.16	25.2	152458.95	238317	22.8918 ng/ml
Fentanyl	5.109	26022	120.91	66.5	37255.81	533702	2.3513 ng/ml
Flualprazolam	5.705	196146	2421.19	99.7	921.19	643024	24.4056 ng/ml
Fluoxetine	5.707	118791	4971.84	8.4	507.68	199990	24.8753 ng/ml
Hydrocodone	3.018	250891	275.05	39.7	120.73	1255894	25.8207 ng/ml
Hydromorphone	1.601	225234	158479.98	78.3	816.16	11914	25.8289 ng/ml
Ketamine	4.051	545931	10530.41	36.7	357.35	1047139	24.6052 ng/ml
Lamotrigine	4.273	42918	463.58	84.3	329.80	1047139	25.0768 ng/ml
Levetiracetam	2.683	221028	415.52	169.2	4403.32	2747801	22.7869 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	472057	14625.07	59.0	659.27	238317	26.6675 ng/ml
MDA	3.196	889550	4250.40	24.6	1903.35	850410	27.2371 ng/ml
MDMA	3.290	573164	4302.73	74.2	2388.73	210691	24.2229 ng/ml
Meprobamate	4.917	233554	8325.57	28.2	164.53	457061	27.0382 ng/ml
Methadone	5.646	649724	30890.61	49.9	18422.14	1197745	24.1953 ng/ml
Methamphetamine	3.231	1021409	585.72	37.8	1955.61	1636090	26.5151 ng/ml
Metoprolol	4.319	142019	2230.06	90.4	1565.13	2606834	25.6033 ng/ml
Mirtazapine	4.637	723987	3797.83	52.5	15551.84	1345663	27.8744 ng/ml
Mitragynine	5.237	110263	2257.60	38.2	39077.86	1197745	28.9864 ng/ml
Morphine	1.247	30535	3494.20	37.9	160.10	11914	24.7329 ng/ml
Norbuprenorphine	4.986	1499	1118.98	108.5	1554.11	29046	2.2733 ng/ml
Nordiazepam	5.900	269459	2194.19	55.7	1176.16	357583	25.2346 ng/ml
Norfentanyl	4.079	117000	4896.67	34.1	530.16	2082867	2.2682 ng/ml
Norhydrocodone	3.060	35292	75.60	45.3	55.07	136815	22.7648 ng/ml
Noroxycodone	2.903	285097	725.48	42.8	144.41	393679	24.2671 ng/ml
O-desmethyl-tramadol	3.369	1206936	850.20	6.7	675.57	3013008	23.8048 ng/ml
Oxazepam	5.756	541242	1334.32	73.9	1754.07	918644	24.4600 ng/ml
Oxycodone	2.834	520567	1317.01	27.1	1824.29	957559	24.3069 ng/ml
Oxymorphone	1.398	244432	∞	42.9	∞	367849	23.7961 ng/ml
Phentermine	3.783	275614	304.92	4.4	57.65	1356681	25.9893 ng/ml
Promethazine	5.532	337651	2085.96	28.2	451.65	603518	23.9873 ng/ml
Pseudoephedrine	2.596	1381191	9320.51	16.4	5602.67	2747801	22.8268 ng/ml
Quetiapine	5.562	437424	34772.20	57.8	494.10	239943	23.9761 ng/ml
Sertraline	5.776	47676	159.97	98.3	605.70	95182	23.4942 ng/ml
Temazepam	5.823	920823	613.75	29.7	930.82	1892856	23.5471 ng/ml
Tramadol	4.239	1290339	1674.46	3.6	265.63	2606834	24.8880 ng/ml
Trazodone	5.190	409775	426757.56	78.5	1646.96	707187	24.8352 ng/ml
Venlafaxine	5.037	1102530	20569.30	38.1	25723.56	2367008	23.1300 ng/ml
Zolpidem	4.948	1182273	25970.39	31.3	2337.47	2498613	24.0333 ng/ml

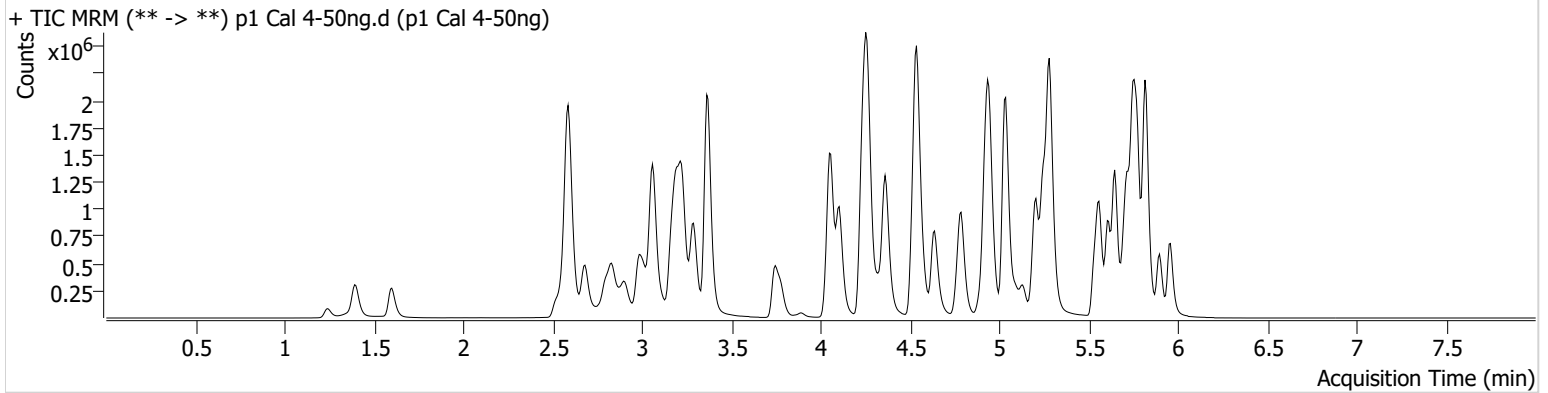
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

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	Celena Shrum
Sample Position	P6-E12	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 6:31:50 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	27739	454.33	67.0	1059.22	124102	5.3413 ng/ml
7-aminoclonazepam	4.271	278412	295.43	77.5	3142.11	183839	52.3333 ng/ml
a-hydroxyalprazolam	5.692	264353	654.82	57.5	1953.13	587177	52.1497 ng/ml
alpha-PHP	4.930	381511	10674.55	269.6	3387.17	1250256	57.6500 ng/ml
alpha-PVP	4.370	1473656	32031.74	52.3	1113.91	1250256	51.1631 ng/ml
Alprazolam	5.775	884933	1138.83	111.2	2088.80	587177	50.9987 ng/ml
Amphetamine	3.063	2637546	12975.82	47.4	1152.02	489304	57.0085 ng/ml
Benzoylecgonine	3.892	38362	518.85	8.0	119.49	28894	48.5010 ng/ml
Buprenorphine	5.887	25129	225.32	14.6	3804.01	166914	4.9598 ng/ml
Bupropion	4.788	1298962	69746.01	62.2	576.00	884921	52.9108 ng/ml
Carisoprodol	5.724	770488	2070.71	58.5	3675.09	747470	50.3521 ng/ml
Citalopram	5.205	799963	6911.89	40.2	11535.56	705256	51.7373 ng/ml
Clonazepam	5.612	994681	4782.83	31.4	341.24	221014	55.2982 ng/ml
Clonazepam	5.549	667620	21204.10	37.6	406756.87	221014	53.6760 ng/ml
Cocaine	4.257	1175964	12161.39	51.6	539.70	2105291	50.4793 ng/ml
Codeine	2.573	132198	150.38	102.4	185139.07	128539	55.7057 ng/ml
Cyclobenzaprine	5.615	191060	8343.62	9.7	3055.98	150653	51.3350 ng/ml
Dextromethorphan	5.255	384258	299.56	80.7	258.28	357227	51.4124 ng/ml
Dextrophan	4.105	416299	42942.86	206.6	51768.74	971783	51.3761 ng/ml
Diazepam	5.960	547792	431.51	87.0	4000.46	477287	53.5309 ng/ml
Dihydrocodeine	2.552	343442	427.73	66.5	1125.23	399911	56.3408 ng/ml
Diphenhydramine	5.282	2074284	49483.12	33.3	1714.61	2442235	49.9702 ng/ml
Doxylamine	4.536	2985572	12159.63	95.7	7846.63	2484841	53.7955 ng/ml
EDDP	5.248	849137	658.33	41.0	46477.05	857639	51.3443 ng/ml
Etizolam	5.813	573265	8338.94	25.5	326301.21	221014	46.7090 ng/ml
Fentanyl	5.109	42774	1503.14	66.8	451.31	403121	5.1441 ng/ml
Flualprazolam	5.705	386756	8569.39	101.2	28365.13	587177	53.1378 ng/ml
Fluoxetine	5.700	127656	451.50	8.2	370.76	103708	52.4489 ng/ml
Hydrocodone	3.012	506593	549.53	40.0	328.32	1150473	57.7060 ng/ml
Hydromorphone	1.601	457148	4399.37	77.6	6608.52	11058	57.0548 ng/ml
Ketamine	4.051	1099357	3614.80	36.5	4816.73	980439	53.3720 ng/ml
Lamotrigine	4.273	91729	765.52	79.5	967.01	980439	58.4614 ng/ml
Levetiracetam	2.683	444602	3990.38	169.2	9426.91	2508031	49.5656 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	863835	2160.16	56.9	596.67	221014	53.7858 ng/ml
MDA	3.196	1699281	4647.51	23.8	3074.19	774507	58.5377 ng/ml
MDMA	3.290	1158890	5525.49	74.8	2795.93	197758	52.1127 ng/ml
Meprobamate	4.917	435655	958.09	28.3	274.52	421720	55.6783 ng/ml
Methadone	5.646	1186658	22962.79	48.9	559.23	1027793	51.1968 ng/ml
Methamphetamine	3.231	2039367	1051.28	37.5	4600.62	1547029	57.7243 ng/ml
Metoprolol	4.326	284890	4969.54	91.5	4976.99	2428240	55.8761 ng/ml
Mirtazapine	4.637	1362110	1159.30	52.3	3183.53	1250256	56.6611 ng/ml
Mitragynine	5.237	176471	10407.17	39.6	21972.29	1027793	54.3284 ng/ml
Morphine	1.240	62108	949.73	37.7	262.48	11058	54.1253 ng/ml
Norbuprenorphine	4.986	2766	64.86	92.0	1533.49	24186	5.1525 ng/ml
Nordiazepam	5.900	538529	1349.20	56.2	986.83	338849	53.2904 ng/ml
Norfentanyl	4.079	233654	88.13	34.5	448.33	1934695	4.7893 ng/ml
Norhydrocodone	3.059	66244	260.18	42.3	179.94	116711	49.1588 ng/ml
Noroxycodone	2.903	561370	2677.57	42.8	3174.42	351893	53.5246 ng/ml
O-desmethyl-tramadol	3.369	2458831	∞	6.7	603.44	2797371	52.0006 ng/ml
Oxazepam	5.756	1021558	7061.84	74.1	20696.22	799529	53.4767 ng/ml
Oxycodone	2.827	1081301	1144.96	26.4	1119.44	897360	54.0648 ng/ml
Oxymorphone	1.398	482321	742.01	43.6	645.75	335001	51.7902 ng/ml
Phentermine	3.783	560962	651.36	4.2	433.88	1252893	58.4099 ng/ml
Promethazine	5.532	479469	1992.55	28.2	2921.99	393820	52.1911 ng/ml
Pseudoephedrine	2.596	2762485	3077.07	16.4	30523.02	2508031	49.3229 ng/ml
Quetiapine	5.562	847326	30633.68	57.4	3807.36	215667	51.9381 ng/ml
Sertraline	5.776	49225	7476.71	94.7	59126.88	44003	53.0018 ng/ml
Temazepam	5.823	1782330	∞	28.9	2425.74	1691662	50.5589 ng/ml
Tramadol	4.246	2599639	39542.78	3.6	850.69	2428240	54.4053 ng/ml
Trazodone	5.190	728376	100341.74	81.0	2138814.48	606855	51.6783 ng/ml
Venlafaxine	5.037	2305675	1310.67	37.6	963.24	2234225	50.7914 ng/ml
Zolpidem	4.948	2422754	26603.84	31.2	4228.57	2290484	53.8642 ng/ml

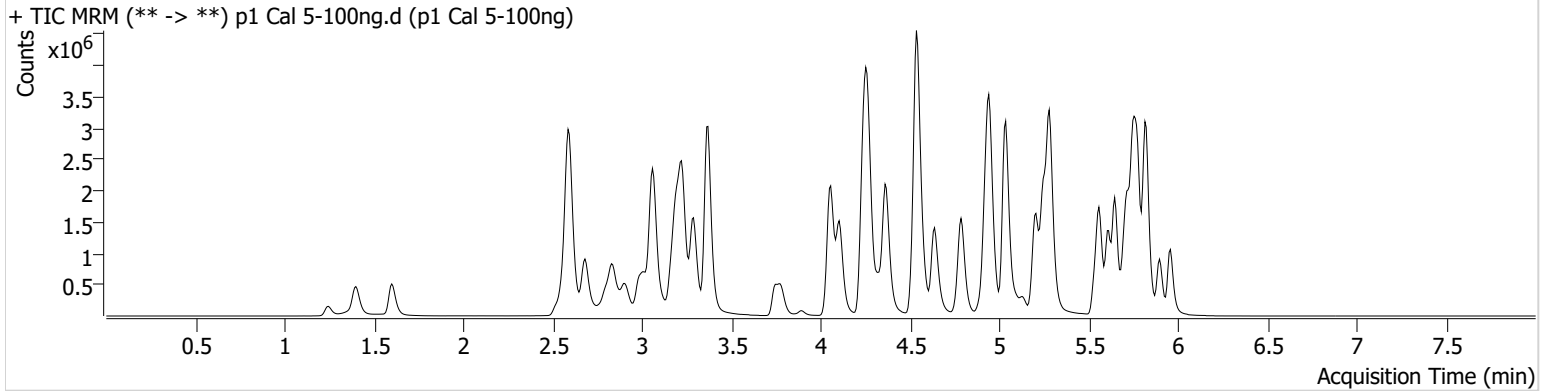
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

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	Celena Shrum
Sample Position	P6-D12	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 6:42:33 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	54730	1611.89	68.8	9652.82	131787	9.9188 ng/ml
7-aminoclonazepam	4.271	535359	168.60	80.4	206.87	185990	98.9600 ng/ml
a-hydroxyalprazolam	5.692	455365	589.46	57.6	901.45	567299	93.0931 ng/ml
alpha-PHP	4.930	685940	29293.96	269.7	43251.03	1246920	104.5108 ng/ml
alpha-PVP	4.370	2859308	586.24	52.3	1183.79	1246920	99.3184 ng/ml
Alprazolam	5.775	1682621	2274.16	110.7	6681.28	567299	100.2489 ng/ml
Amphetamine	3.063	4613751	6884.27	47.1	6796.94	467707	105.4686 ng/ml
Benzoylecgonine	3.892	76443	3669.26	8.0	1786.13	30781	90.9931 ng/ml
Buprenorphine	5.887	41983	771.10	13.8	4670.31	142613	9.5968 ng/ml
Bupropion	4.788	2319348	46065.96	60.9	9032.90	815093	102.6965 ng/ml
Carisoprodol	5.724	1374097	7463747.63	57.4	2500.56	693702	96.4445 ng/ml
Citalopram	5.205	1354857	12638.73	41.0	9014.92	613297	100.6117 ng/ml
Clonazepam	5.612	1767964	12332.82	31.2	186723.49	207410	105.0606 ng/ml
Clonazepam	5.548	1235346	72779.50	37.6	694119.22	207410	105.9583 ng/ml
Cocaine	4.257	2267750	70261.00	51.0	437.14	2059276	99.2657 ng/ml
Codeine	2.580	242401	365.13	99.4	18911.95	126096	104.9008 ng/ml
Cyclobenzaprine	5.615	272943	13845.66	9.1	1496.51	110264	100.2046 ng/ml
Dextromethorphan	5.255	611685	519.93	82.6	401.29	296465	98.4348 ng/ml
Dextrophan	4.105	789241	1199.03	205.9	2759.16	949109	99.4901 ng/ml
Diazepam	5.960	994540	556.50	88.2	16661.99	455971	101.7445 ng/ml
Dihydrocodeine	2.552	662497	46841.23	68.3	7575.30	416320	105.0279 ng/ml
Diphenhydramine	5.282	3633543	193728.95	32.8	502.64	2177037	97.8232 ng/ml
Doxylamine	4.536	5975432	8423.83	96.7	20739.46	2518141	106.3630 ng/ml
EDDP	5.248	1746316	1461.37	42.2	276.79	925248	97.4431 ng/ml
Etizolam	5.813	1059732	43472.92	25.6	290768.23	207410	89.9944 ng/ml
Fentanyl	5.109	68722	11858.74	64.4	166568.03	323046	10.3362 ng/ml
Flualprazolam	5.705	735797	9514.40	101.0	977453.82	567299	105.0026 ng/ml
Fluoxetine	5.700	134355	247.83	8.9	278.73	61030	94.4639 ng/ml
Hydrocodone	3.012	916436	∞	42.1	409.35	1189190	101.4860 ng/ml
Hydromorphone	1.601	862311	10315.69	77.8	11507.45	11279	105.9147 ng/ml
Ketamine	4.051	2167443	1190.74	36.6	586.54	1000007	103.5340 ng/ml
Lamotrigine	4.280	154893	3028.21	81.3	1786.55	1000007	97.4083 ng/ml
Levetiracetam	2.683	861993	1739.71	169.7	1375.73	2485652	96.4447 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1284117	26340.19	57.3	766.68	207410	85.8974 ng/ml
MDA	3.196	2875353	3157.43	23.4	1959.08	705644	109.8180 ng/ml
MDMA	3.290	2183707	8111.28	75.2	7307.71	193991	100.0498 ng/ml
Meprobamate	4.917	758062	14907.33	28.4	4164.31	413749	99.5196 ng/ml
Methadone	5.646	1941515	822.62	50.3	7091.60	883659	97.1863 ng/ml
Methamphetamine	3.231	3833449	2681.59	37.4	7672.80	1575010	107.8999 ng/ml
Metoprolol	4.326	544281	2746514.26	90.6	3075.33	2486089	104.8214 ng/ml
Mirtazapine	4.637	2377220	5887.15	52.7	1179.36	1246920	99.3104 ng/ml
Mitragynine	5.237	279706	36050.62	39.7	15943.69	883659	100.4153 ng/ml
Morphine	1.247	120944	1711.48	38.0	1947.36	11279	103.2687 ng/ml
Norbuprenorphine	4.986	4633	6297.97	100.8	5235.56	22926	9.1781 ng/ml
Nordiazepam	5.900	982150	1570.48	55.4	3042.59	326755	100.8421 ng/ml
Norfentanyl	4.079	459785	700.90	34.5	1072.74	1909311	9.4744 ng/ml
Norhydrocodone	3.059	117498	123.77	42.7	75.73	106653	94.6869 ng/ml
Noroxycodone	2.903	996290	4143.54	42.2	742.85	325807	102.6496 ng/ml
O-desmethyl-tramadol	3.369	4908888	43880.94	6.6	4040.46	2845886	101.8573 ng/ml
Oxazepam	5.756	1697589	10978.34	72.7	1481.60	667581	106.7961 ng/ml
Oxycodone	2.834	2062811	2048.73	27.2	2023.82	894100	103.6580 ng/ml
Oxymorphone	1.398	903979	∞	44.0	∞	318872	102.1677 ng/ml
Phentermine	3.783	1006352	912.88	4.3	290.09	1251364	105.6623 ng/ml
Promethazine	5.532	665960	1147.30	28.3	1974.92	288784	98.8510 ng/ml
Pseudoephedrine	2.596	5400224	39310.57	16.1	51618.80	2485652	96.7175 ng/ml
Quetiapine	5.562	1413029	223276.40	58.5	71113.58	188952	99.0677 ng/ml
Sertraline	5.776	41687	∞	99.1	318.52	20123	98.5221 ng/ml
Temazepam	5.823	3152330	34057.58	29.0	9510.92	1529687	98.5299 ng/ml
Tramadol	4.246	5086184	8260.91	3.5	444.78	2486089	104.4180 ng/ml
Trazodone	5.190	1222439	838.89	80.2	60875.33	536928	98.2246 ng/ml
Venlafaxine	5.037	4463447	848.59	36.5	13186.58	2209701	99.0584 ng/ml
Zolpidem	4.948	4723906	8666.30	30.1	4447.19	2269605	106.1003 ng/ml

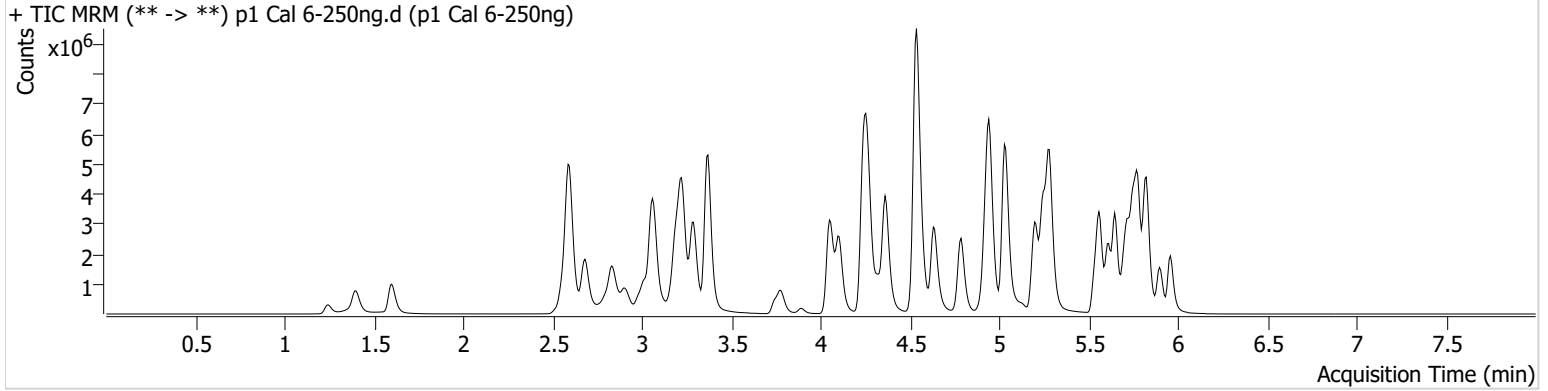


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

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** Celena Shrum
Sample Position P6-C12 **Comment**
Injection Volume 2
Acq. Date-Time 6/5/2021 6:53:09 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	127525	1650.31	66.3	981.72	122284	24.8986 ng/ml
7-aminoclonazepam	4.271	1083541	463.91	77.4	4839.96	148716	249.6283 ng/ml
a-hydroxyalprazolam	5.692	702736	420.81	58.4	1628.72	453477	179.8601 ng/ml
alpha-PHP	4.930	1328031	18825.13	273.1	5982.16	1066162	237.5613 ng/ml
alpha-PVP	4.363	6107653	2005.12	51.1	1064.75	1066162	247.7728 ng/ml
Alprazolam	5.775	3397273	5440.12	109.7	∞	453477	253.0234 ng/ml
Amphetamine	3.063	8120560	102289.02	46.2	4306.15	386051	226.4547 ng/ml
Benzoylecgonine	3.892	195539	371.09	8.2	742.55	29456	243.7461 ng/ml
Buprenorphine	5.887	75082	842.14	14.2	6757.95	103436	23.5077 ng/ml
Bupropion	4.788	4065593	129969.82	60.5	1540.88	590900	248.5114 ng/ml
Carisoprodol	5.724	2333942	39211.00	58.7	16509.00	472407	240.0413 ng/ml
Citalopram	5.205	2717381	1639.17	41.1	938.22	506013	244.3474 ng/ml
Clonazepam	5.612	3205727	24133.15	31.4	107219.43	163288	242.4500 ng/ml
Clonazepam	5.548	2338532	174584.57	36.8	1321659.71	163288	254.9592 ng/ml
Cocaine	4.257	4758290	1464.51	50.3	46649.88	1727249	247.9281 ng/ml
Codeine	2.573	446371	1958.70	97.5	12693.01	104350	234.5246 ng/ml
Cyclobenzaprine	5.615	710870	2065.95	9.4	94.52	114459	251.4241 ng/ml
Dextromethorphan	5.255	1167232	23501.59	81.4	20679.17	224757	247.4657 ng/ml
Dextrophan	4.105	1669058	1477.11	209.2	6447.42	806977	247.0788 ng/ml
Diazepam	5.960	2121646	8345.13	88.1	53405.00	401552	246.4872 ng/ml
Dihydrocodeine	2.552	1384997	∞	68.2	44421.18	391350	234.4823 ng/ml
Diphenhydramine	5.282	7481249	∞	31.8	20097.50	1748228	250.2103 ng/ml
Doxylamine	4.536	13674824	182188.57	95.3	11175.20	2290754	267.7588 ng/ml
EDDP	5.248	4150228	1023.02	41.2	24168.86	866930	246.4211 ng/ml
Etizolam	5.813	2183100	18601.68	25.5	416809.17	163288	232.1303 ng/ml
Fentanyl	5.103	135283	4540.47	68.3	939529.57	268877	24.4782 ng/ml
Flualprazolam	5.705	1429178	53962.50	100.3	42640.79	453477	255.6846 ng/ml
Fluoxetine	5.707	430451	17535.39	8.5	33015.39	73072	254.1787 ng/ml
Hydrocodone	3.012	1967099	∞	40.8	399.70	1083696	239.9335 ng/ml
Hydromorphone	1.601	1774303	5304.01	77.9	17346.94	10647	231.4406 ng/ml
Ketamine	4.051	4675901	86100.58	36.3	2318.85	907803	246.5853 ng/ml
Lamotrigine	4.280	300263	7665.75	78.6	3093.13	907803	209.0847 ng/ml
Levetiracetam	2.683	1829150	9918.34	168.9	4659.30	1991765	254.5095 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1627998	3597.14	58.2	2041.50	163288	139.0578 ng/ml
MDA	3.196	4929709	6714.61	22.9	6856.41	552002	242.2138 ng/ml
MDMA	3.290	4561828	8083.67	74.4	7217.70	166711	243.1242 ng/ml
Meprobamate	4.911	1289178	812.17	28.5	15047.19	346674	203.0159 ng/ml
Methadone	5.646	4051436	3080.34	48.4	5237.93	727652	245.8742 ng/ml
Methamphetamine	3.224	7883354	3291.34	36.3	1770.05	1406235	250.5589 ng/ml
Metoprolol	4.319	1134240	7290.26	91.9	5378.89	2130259	255.8439 ng/ml
Mirtazapine	4.631	4963609	66936.94	51.7	7714.98	1066162	242.8188 ng/ml
Mitragynine	5.237	527482	1485.77	40.1	136605.25	727652	230.3645 ng/ml
Morphine	1.247	261327	2391.02	38.0	12986.77	10647	236.3025 ng/ml
Norbuprenorphine	4.986	8912	389.27	98.6	103.79	17464	23.3208 ng/ml
Nordiazepam	5.900	1975238	879.35	55.8	800.20	270973	244.6461 ng/ml
Norfentanyl	4.079	910522	10252.28	34.4	5901.68	1453268	24.5285 ng/ml
Norhydrocodone	3.059	234165	643.46	43.1	214.27	82207	243.5879 ng/ml
Noroxycodone	2.903	1822584	369.05	42.5	610.96	249496	245.2987 ng/ml
O-desmethyl-tramadol	3.369	11145967	87130.16	6.5	35895.13	2532790	259.5593 ng/ml
Oxazepam	5.756	2449059	6617.78	72.3	11408.78	415404	248.0901 ng/ml
Oxycodone	2.827	4476850	4026.50	26.9	1980.14	824210	244.2514 ng/ml
Oxymorphone	1.398	1874060	∞	42.5	∞	262525	257.5670 ng/ml
Phentermine	3.783	1964382	2685.28	4.0	2070.67	1129288	229.6397 ng/ml
Promethazine	5.532	1782020	1239.37	28.4	1475.82	306328	249.3522 ng/ml
Pseudoephedrine	2.596	11188013	143066.45	15.5	47203.05	1991765	249.1344 ng/ml
Quetiapine	5.562	3002687	691.42	58.2	650.81	166037	239.9009 ng/ml
Sertraline	5.776	192829	1714.93	99.0	1868.57	37387	245.9294 ng/ml
Temazepam	5.823	5483168	3154.33	28.7	16166.31	1050738	248.9261 ng/ml
Tramadol	4.239	10887971	71845.68	3.5	1035.15	2130259	261.6061 ng/ml
Trazodone	5.190	2542717	11299.92	82.1	90771.55	445322	246.6702 ng/ml
Venlafaxine	5.030	9941566	3815.82	35.8	2966.41	1889881	257.3739 ng/ml
Zolpidem	4.948	10030837	80683.41	29.8	67836.75	1974543	259.1244 ng/ml

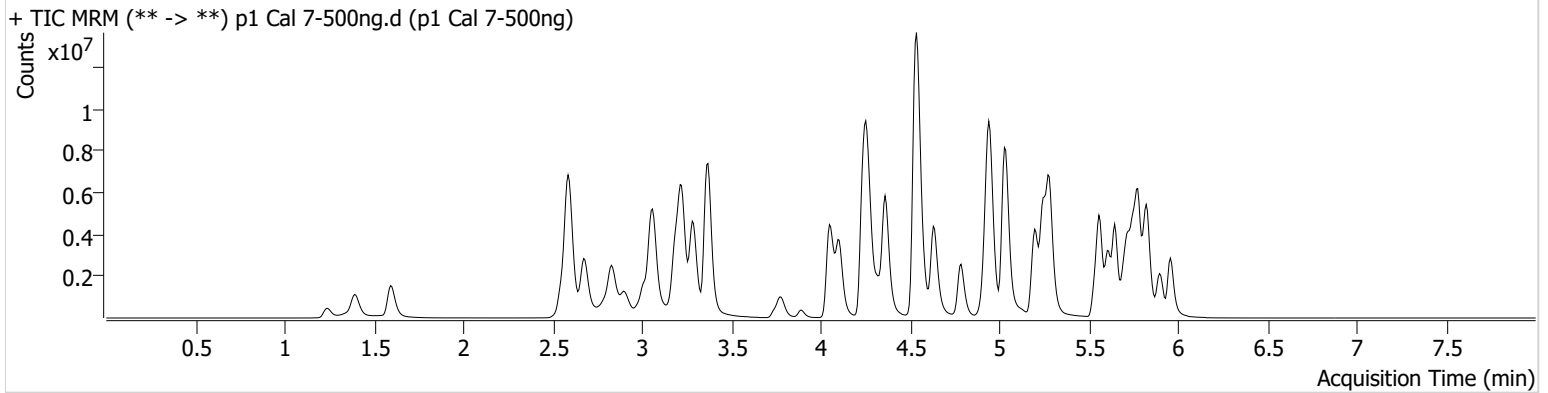
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

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	Celena Shrum
Sample Position	P6-B12	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 7:03:45 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	222896	35358.88	71.5	2876.87	103518	51.4020 ng/ml
7-aminoclonazepam	4.271	2005136	15735.05	77.4	3120.50	131427	522.0973 ng/ml
a-hydroxyalprazolam	5.692	898542	2872.77	57.4	1023.75	364240	286.4046 ng/ml
alpha-PHP	4.930	1758143	25481.76	280.0	44722.14	811186	413.8920 ng/ml
alpha-PVP	4.363	9604912	232357.78	51.2	1235.07	811186	511.8781 ng/ml
Alprazolam	5.775	5302413	860.85	111.6	∞	364240	491.5526 ng/ml
Amphetamine	3.063	11401850	66535.41	46.2	8643.02	299556	410.8794 ng/ml
Benzoylecgonine	3.892	416899	761.68	7.6	525.11	26993	567.5254 ng/ml
Buprenorphine	5.887	93726	616.82	13.4	14811.16	57169	52.9601 ng/ml
Bupropion	4.788	4130571	114528.35	61.3	25702.48	308495	483.7423 ng/ml
Carisoprodol	5.730	3245117	8490576.10	57.8	7531.92	303223	519.5745 ng/ml
Citalopram	5.205	3608863	1036.35	40.6	209316.49	327824	500.7285 ng/ml
Clonazepam	5.612	4844709	131401.65	30.9	28808.87	124826	479.6625 ng/ml
Clonazepam	5.549	3413668	81808.21	37.6	2520465.15	124826	486.9690 ng/ml
Cocaine	4.257	7424609	3834.32	50.2	213150.05	1313899	508.2835 ng/ml
Codeine	2.566	637522	1370.58	100.5	24681.66	85829	407.8986 ng/ml
Cyclobenzaprine	5.615	850141	1449.62	9.2	1284.98	67483	510.0015 ng/ml
Dextromethorphan	5.255	1462081	1498.64	79.9	16623.18	136709	509.4099 ng/ml
Dextrophan	4.105	2641729	3047.70	208.0	3684.57	623344	506.0086 ng/ml
Diazepam	5.960	3468621	523.95	88.0	16303.89	330462	489.6783 ng/ml
Dihydrocodeine	2.545	2222799	3204.52	68.6	62600.97	353135	417.6235 ng/ml
Diphenhydramine	5.282	9644644	131750.06	31.9	975.55	1087147	518.2981 ng/ml
Doxylamine	4.536	21471328	22751.49	97.3	193325.38	1951974	493.4867 ng/ml
EDDP	5.248	6991704	78582.13	41.0	1907.56	693104	518.7164 ng/ml
Etizolam	5.813	3593460	9811.85	24.9	3160.51	124826	497.4325 ng/ml
Fentanyl	5.109	166936	7088.01	67.4	898054.87	164399	49.4251 ng/ml
Flualprazolam	5.705	2138344	57113.27	101.1	4600.96	364240	476.6078 ng/ml
Fluoxetine	5.707	384635	1473.15	8.5	∞	33258	499.8347 ng/ml
Hydrocodone	3.012	3292253	435.40	41.5	∞	911798	477.9236 ng/ml
Hydromorphone	1.595	2992476	4409.45	78.8	1061817.32	8704	478.0115 ng/ml
Ketamine	4.051	7829151	125996.11	34.8	2134.41	761620	492.5105 ng/ml
Lamotrigine	4.280	444120	2072.22	81.3	1018.73	761620	369.3410 ng/ml
Levetiracetam	2.676	2914016	6466.48	170.8	31372.09	1458693	552.9945 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1829239	31024.59	55.5	709.36	124826	204.9534 ng/ml
MDA	3.189	6584157	14672.98	22.4	4112.58	404887	442.1005 ng/ml
MDMA	3.290	7202709	131365.36	73.5	4993.29	126227	506.9265 ng/ml
Meprobamate	4.911	1716803	53816.45	28.1	74571.98	292489	321.0185 ng/ml
Methadone	5.646	5575971	2999.46	48.0	14890.72	478911	513.8630 ng/ml
Methamphetamine	3.224	11954353	4725.48	35.6	2216.16	1171393	457.4025 ng/ml
Metoprolol	4.319	1718123	77996.65	92.5	1113.52	1736796	475.8933 ng/ml
Mirtazapine	4.631	7511530	68268.53	51.4	126404.45	811186	483.1736 ng/ml
Mitragynine	5.237	664949	31718.89	39.6	128851.78	478911	441.5112 ng/ml
Morphine	1.240	457386	38299.43	38.6	∞	8704	505.8635 ng/ml
Norbuprenorphine	4.986	11530	74530.42	97.2	6078.26	10482	50.3813 ng/ml
Nordiazepam	5.900	3016180	1606.85	55.9	566.32	205907	491.6846 ng/ml
Norfentanyl	4.079	1510547	719.81	34.3	1749.51	1135012	52.0175 ng/ml
Norhydrocodone	3.053	393249	1477.04	40.7	242.10	65462	512.8486 ng/ml
Noroxycodone	2.903	2755100	9043.83	42.5	1004.42	186312	496.6112 ng/ml
O-desmethyl-tramadol	3.369	18121746	46205.77	6.7	2390.15	2086028	512.1958 ng/ml
Oxazepam	5.749	2638144	13676.78	72.2	5828.14	227940	487.3901 ng/ml
Oxycodone	2.827	7736892	3204.65	26.7	2939.59	714786	486.8896 ng/ml
Oxymorphone	1.391	3035708	∞	44.0	∞	219485	499.2222 ng/ml
Phentermine	3.783	2850384	2425.51	3.9	3109.02	909365	414.5544 ng/ml
Promethazine	5.532	2097327	2037.67	28.9	669.64	178756	502.9056 ng/ml
Pseudoephedrine	2.589	17357548	88401.50	15.4	69739.15	1458693	527.1140 ng/ml
Quetiapine	5.562	4731147	89220.37	57.6	101090.60	124950	502.5453 ng/ml
Sertraline	5.776	172045	4725.23	95.3	626.66	16237	505.6749 ng/ml
Temazepam	5.830	6768078	28212.90	29.3	18938.89	646142	499.2765 ng/ml
Tramadol	4.239	16682816	2188.72	3.6	1010.04	1736796	492.0830 ng/ml
Trazodone	5.190	3930482	102092.50	80.0	2399.25	340683	498.6351 ng/ml
Venlafaxine	5.030	15997353	404634.05	36.4	2007.66	1491416	524.4114 ng/ml
Zolpidem	4.948	16676353	192287.30	30.8	2031.33	1706178	498.6610 ng/ml

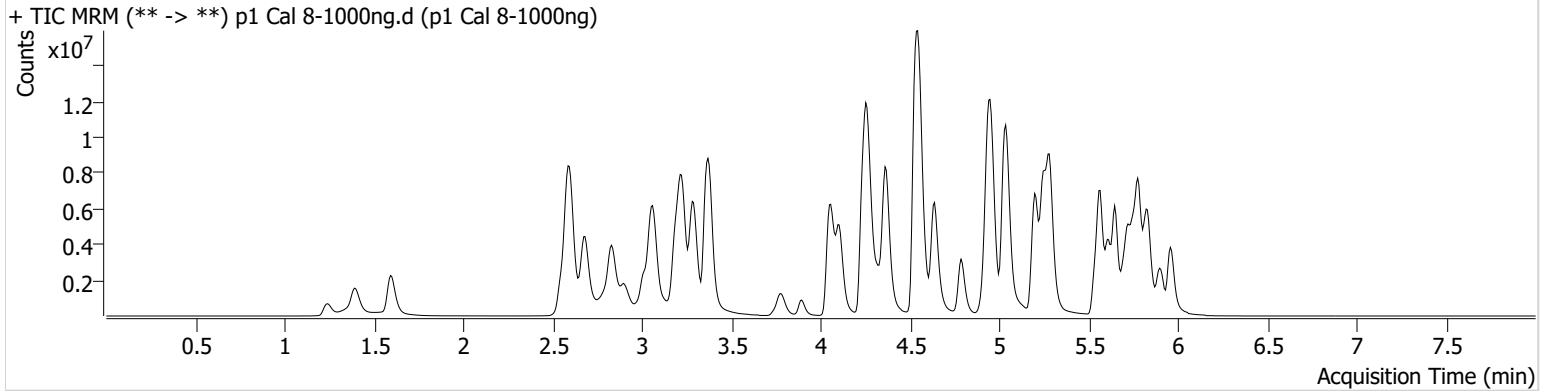
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2021\AM 27-28\060421 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 6/8/2021 12:21:47 PM

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	Celena Shrum
Sample Position	P6-A12	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2021 7:14:22 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	396855	1012.28	68.3	1809.81	93054	101.8038 ng/ml
7-aminoclonazepam	4.278	1982646	2871.02	83.8	1837.00	67287	1007.8095 ng/ml
a-hydroxyalprazolam	5.685	1084682	1005.92	56.6	542.55	248419	507.0392 ng/ml
alpha-PHP	4.930	2262068	9042.53	277.9	10879.57	615337	702.5183 ng/ml
alpha-PVP	4.370	14580314	3646.32	52.5	50115.88	615337	1024.1172 ng/ml
Alprazolam	5.775	7594333	∞	107.1	8358.52	248419	1032.1220 ng/ml
Amphetamine	3.063	13723360	295408.37	46.8	8166.64	206723	717.6423 ng/ml
Benzoylecgonine	3.892	1021950	3310.57	7.7	329.95	27013	1390.6089 ng/ml
Buprenorphine	5.887	105777	1413.98	13.8	22620.64	28981	117.7734 ng/ml
Bupropion	4.788	5106617	∞	60.7	3333.95	188741	977.6479 ng/ml
Carisoprodol	5.730	4105490	13273.93	56.8	10248.44	183324	1086.8663 ng/ml
Citalopram	5.212	4698664	40295.88	40.0	15823.50	205295	1040.8706 ng/ml
Clonazepam	5.612	6438355	72513.33	30.3	451.61	87712	907.4917 ng/ml
Clonazepam	5.548	4323310	61375.49	38.1	30775.83	87712	877.7909 ng/ml
Cocaine	4.257	11213168	2851.34	50.2	1860.60	961107	1049.1453 ng/ml
Codeine	2.573	885110	15125.24	96.3	6155.53	63831	762.2520 ng/ml
Cyclobenzaprine	5.615	1324263	2748.41	9.5	574.78	52745	1016.4074 ng/ml
Dextromethorphan	5.255	1796331	916.11	80.3	18757.34	84532	1011.9898 ng/ml
Dextrophan	4.105	3726781	19377.19	210.4	∞	429024	1036.9024 ng/ml
Diazepam	5.960	5218151	10509.46	87.5	∞	249538	975.5804 ng/ml
Dihydrocodeine	2.545	3372921	896.07	68.8	1696.42	321105	697.4183 ng/ml
Diphenhydramine	5.282	13168807	117442.10	32.5	30184.57	736562	1044.1320 ng/ml
Doxylamine	4.543	29666557	179441.61	97.9	202816.94	1591059	836.5951 ng/ml
EDDP	5.248	10869544	∞	40.5	111578.89	534656	1044.9131 ng/ml
Etizolam	5.820	5261133	6808.66	25.3	5341.68	87712	1034.1906 ng/ml
Fentanyl	5.109	255059	7611.72	65.1	237.90	119333	104.0595 ng/ml
Flualprazolam	5.705	2825717	21107.81	105.0	41954.25	248419	923.8055 ng/ml
Fluoxetine	5.707	470627	17168.74	8.6	345.48	20577	989.3050 ng/ml
Hydrocodone	3.012	5222123	576.46	41.6	406.47	777677	889.3815 ng/ml
Hydromorphone	1.595	4691783	1274584.97	78.0	253991.88	7277	896.7681 ng/ml
Ketamine	4.051	12416853	543333.02	34.9	1031.00	634236	938.3507 ng/ml
Lamotrigine	4.280	585300	29700.10	77.5	4134.56	634236	585.0656 ng/ml
Levetiracetam	2.683	4692429	2980.40	171.2	66702.02	986115	1316.4845 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1883876	13150.95	57.1	521.01	87712	300.9446 ng/ml
MDA	3.189	8375662	4083.44	22.5	1784.89	284636	801.0274 ng/ml
MDMA	3.290	10337113	3741.42	74.2	3527.65	91984	998.3025 ng/ml
Meprobamate	4.911	2165704	140251.84	28.3	12338.08	237792	498.6544 ng/ml
Methadone	5.646	7685928	129734.06	48.3	29554.39	330616	1025.7520 ng/ml
Methamphetamine	3.224	15619964	10064.10	35.7	20984.07	873749	802.4252 ng/ml
Metoprolol	4.326	2396097	8363.91	92.5	108797.35	1350807	853.8344 ng/ml
Mirtazapine	4.637	10903291	38248.50	51.5	67471.50	615337	924.7626 ng/ml
Mitragynine	5.237	749033	561.40	40.0	5936.50	330616	720.6143 ng/ml
Morphine	1.240	713833	∞	36.0	244.62	7277	944.1729 ng/ml
Norbuprenorphine	4.986	13821	657.01	90.9	92.21	5699	111.1873 ng/ml
Nordiazepam	5.906	4113707	24242.06	54.7	2080.12	144378	956.4460 ng/ml
Norfentanyl	4.079	2220077	1521.39	34.3	10957.38	746159	116.1991 ng/ml
Norhydrocodone	3.053	655819	∞	42.9	163.81	48290	1158.4420 ng/ml
Noroxycodone	2.903	3652154	1748.66	44.2	800.52	129337	948.3517 ng/ml
O-desmethyl-tramadol	3.369	25612519	66409.96	7.4	22538.96	1624606	929.3635 ng/ml
Oxazepam	5.749	2459761	16708.32	73.3	11342.90	112167	923.8086 ng/ml
Oxycodone	2.827	12963583	7327.03	26.3	2972.66	604909	964.1475 ng/ml
Oxymorphone	1.391	4768373	∞	42.7	299.88	179756	957.6546 ng/ml
Phentermine	3.783	3866242	16724.14	4.0	2140.30	714157	716.6808 ng/ml
Promethazine	5.532	3229890	6204.01	28.5	729.44	136219	1016.3183 ng/ml
Pseudoephedrine	2.596	24136810	181520.59	15.9	84927.14	986115	1083.6384 ng/ml
Quetiapine	5.562	7804718	887.54	57.6	61898.66	99418	1042.1704 ng/ml
Sertraline	5.776	230582	1900.98	102.7	4970.23	11007	1000.2051 ng/ml
Temazepam	5.830	7714061	74051.18	29.1	16804.87	343897	1068.7689 ng/ml
Tramadol	4.239	22316702	1597.73	3.9	394.59	1350807	846.7157 ng/ml
Trazodone	5.190	7317246	2267.27	80.7	122232.57	314711	1005.1231 ng/ml
Venlafaxine	5.037	22477613	111196.73	40.0	1346.34	1113829	986.3009 ng/ml
Zolpidem	4.954	24498214	2278.31	33.9	136828.92	1444971	865.0580 ng/ml