

REVIEWED
By Tamara Salazar at 8:03 am, Jul 05, 2022

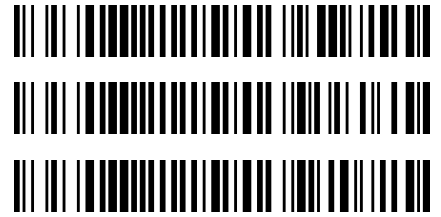
Worklist: 6013

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-1071	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-2040	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-2043	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-2092	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2022-2207	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1397	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1398	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1401	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1402	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1467	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1476	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1481	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1498	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1499	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1502	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1506	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1516	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1572	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1573	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1590	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2022-1593	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 6013

CS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2022-1598	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2022-1636	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2022-1648	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 06/28/2022

Analyst: Celena Shrum

Plate lot#: 220324

Plate Retest Date: 09/24/2022

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-QQ 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. (SKIPPED PER DEVIATION)
- 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.
- 16. Add 50 ul 1% HCl in MeOH to all wells with samples.
- 17. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 18. 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.

Curve limits: 7-aminoclonazepam 5-500, alpha-hydroxyalprazolam 5-250, Amphetamine 5-250, Clonazolam 5-500, Lamotrigine 5-250, Lorazepam 5-100, MDA 5-500, Meprbamate 5-250, Norfentanyl 0.5-50, Norhydrocodone 5-500, Phentermine 5-500.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2022-2043-3	P2022-1476-2			P2022-1598-1*					
B	IS + Cal. 2	IS + QC_2	M2022-2092-2	P2022-1481-1			P2022-1636-1*					
C	IS + Cal. 3	IS + QC_3	M2022-2207-3	P2022-1498-1			P2022-1648-1*					
D	IS + Cal. 4	IS + QC_4	P2022-1397-1	P2022-1499-1								
E	IS + Cal. 5	IS + QC_2	P2022-1398-1	P2022-1502-1								
F	IS + Cal. 6	Blood NEG	P2022-1401-1	P2022-1506-1		P2022-1573-1*						
G	IS + Cal. 7	M2022-1071-1	P2022-1402-1	P2022-1516-1		P2022-1590-1*						
H	IS + Cal. 8	M2022-2040-2	P2022-1467-1	P2022-1572-1		P2022-1593-1*						

*Samples were moved during the SLE portion of the extraction. F6 was moved to A9, G6 was moved to B9, H6 was moved to C9, A7 was moved to D9, B7 was moved to E9, and C7 was moved to F9.

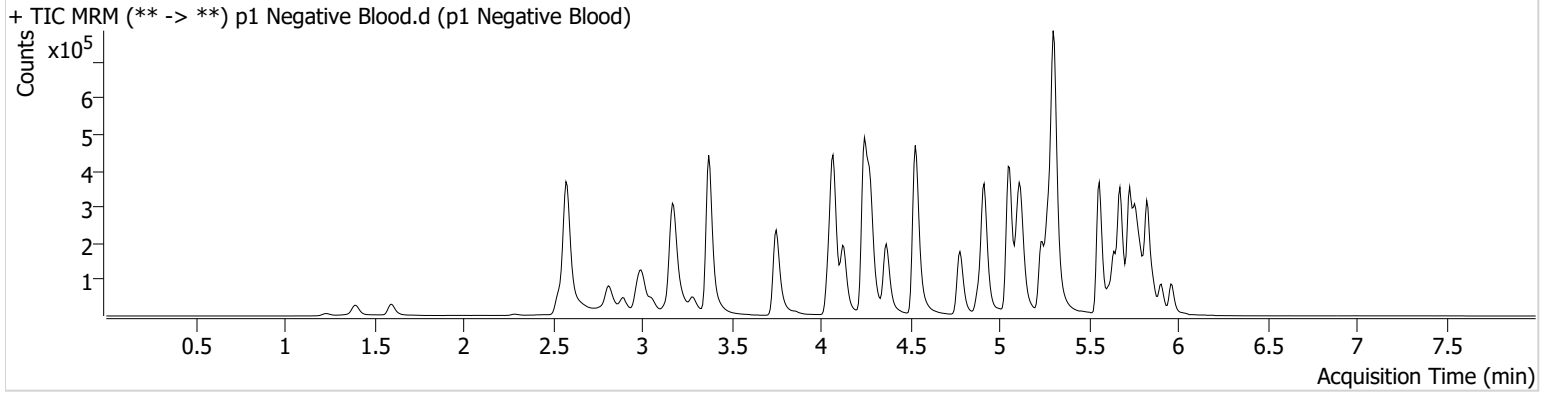
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 2:23:17 PM		
Sample Info.			

Sample Chromatogram



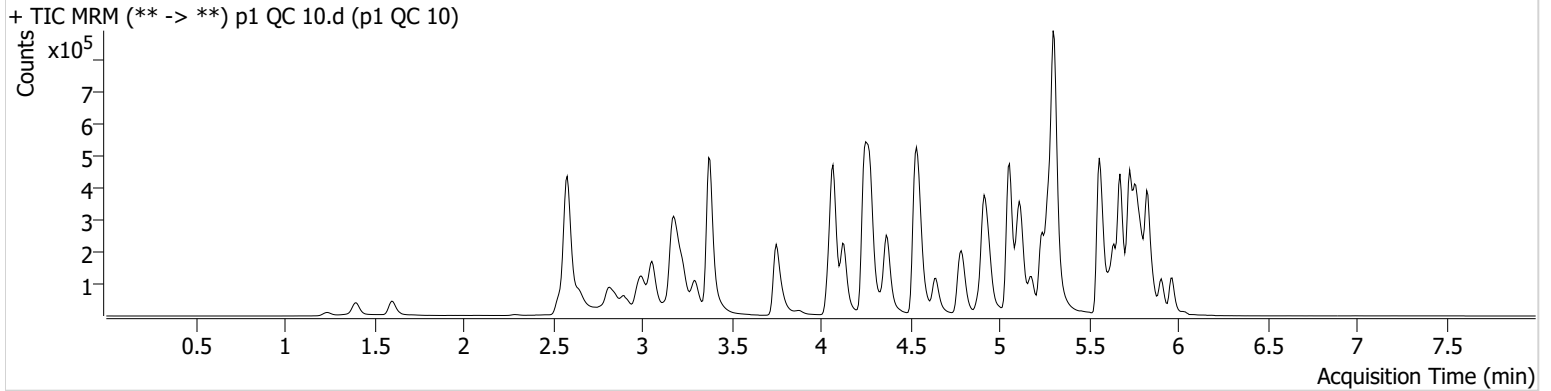
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 1:08:54 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	1552	4763.70	79.6	43.23	43799	0.8452 ng/ml
7-aminoclonazepam	4.270	25444	952.31	72.0	1733.22	94791	10.1959 ng/ml
a-hydroxyalprazolam	5.706	20292	362.09	66.1	581.68	212004	10.2896 ng/ml
alpha-PHP	4.949	34248	325.60	260.4	741.04	464946	10.1706 ng/ml
alpha-PVP	4.375	121624	1059.62	51.2	436.04	464946	9.6047 ng/ml
Alprazolam	5.789	59206	1005.61	112.7	419.07	212004	9.6800 ng/ml
Amphetamine	3.058	245200	275.10	49.8	802.60	265189	9.9603 ng/ml
Benzoylcegonine	3.884	3517	237.23	6.9	14.83	10487	10.4945 ng/ml
Buprenorphine	5.881	3104	68.26	15.4	707.34	108115	1.0027 ng/ml
Bupropion	4.800	122635	378.47	67.8	602.54	431923	9.8757 ng/ml
Carisoprodol	5.737	64042	18176.62	59.5	171.56	295763	10.5175 ng/ml
Citalopram	5.239	104568	667.94	33.1	2761.34	462526	10.0665 ng/ml
Clonazepam	5.619	65654	1978.05	33.5	160.34	87221	10.4668 ng/ml
Clonazepam	5.563	43173	5550.54	34.7	19831.08	87221	9.9423 ng/ml
Cocaine	4.276	83616	719.28	57.5	93.89	678721	9.8422 ng/ml
Codeine	2.587	10403	176.78	100.6	33.20	50105	10.7240 ng/ml
Cyclobenzaprine	5.642	73776	175.84	8.6	187.65	311857	9.5354 ng/ml
Dextromethorphan	5.281	55557	420.69	86.3	346.94	226890	10.0567 ng/ml
Dextrophan	4.130	38155	336.00	195.8	1079.09	379423	10.2233 ng/ml
Diazepam	5.967	38612	186.42	91.4	1161.37	168585	10.3541 ng/ml
Dihydrocodeine	2.566	26299	1591.02	65.5	161.14	151743	10.4302 ng/ml
Diphenhydramine	5.309	274014	8362.03	31.9	5400.88	1599107	10.5004 ng/ml
Doxylamine	4.548	276483	4066.38	99.4	3535.38	1221705	9.9467 ng/ml
EDDP	5.274	81354	329.49	41.7	601.33	449743	9.5509 ng/ml
Etizolam	5.827	30993	5869.10	27.7	8108.70	87221	9.3397 ng/ml
Fentanyl	5.116	9323	293.00	65.9	259.60	492971	1.0092 ng/ml
Flualprazolam	5.719	23421	1412.25	97.1	2074.27	212004	10.0910 ng/ml
Fluoxetine	5.735	96300	320.95	7.4	194.61	364656	9.9692 ng/ml
Hydrocodone	3.034	40560	191.49	36.8	176.69	232536	10.1546 ng/ml
Hydromorphone	1.608	32141	830.60	79.6	1109.07	97625	10.0614 ng/ml
Ketamine	4.063	95284	323.71	33.5	222.21	396522	10.3622 ng/ml
Lamotrigine	4.285	7638	244.99	83.3	256.07	396522	10.9013 ng/ml
Levetiracetam	2.651	35413	687.61	163.3	353.64	1125561	10.0543 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.760	58673	695.93	54.5	135.59	87221	9.5102 ng/ml
MDA	3.205	161324	1845.79	28.1	612.62	341471	11.1748 ng/ml
MDMA	3.299	92835	1188.18	86.6	589.42	90756	10.0409 ng/ml
Meprobamate	4.910	25031	3310.02	29.0	294.12	133378	9.9933 ng/ml
Methadone	5.673	145786	530.40	64.6	516.57	637843	10.1386 ng/ml
Methamphetamine	3.233	177666	1296.47	38.4	255.88	670514	10.5221 ng/ml
Metoprolol	4.338	26966	1038.89	95.6	456.63	1045813	10.7714 ng/ml
Mirtazapine	4.643	180749	4701.64	55.2	1277.43	464946	9.6272 ng/ml
Mitragynine	5.249	27610	430.13	36.6	251.05	637843	9.6060 ng/ml
Morphine	1.247	5236	707.18	27.7	96.11	7317	9.6837 ng/ml
Norbuprenorphine	5.005	423	1366.86	105.2	47.86	15885	0.7210 ng/ml
Nordiazepam	5.914	42490	502.58	54.1	299.47	138480	10.1581 ng/ml
Norfentanyl	4.090	22689	1032.61	34.4	317.19	934836	0.9887 ng/ml
Norhydrocodone	3.075	6584	67.57	37.1	65.02	62748	9.6129 ng/ml
Noroxycodone	2.918	42416	408.59	49.1	342.53	128338	10.0189 ng/ml
O-desmethyl-tramadol	3.379	220418	975.56	5.9	2538.84	1123761	9.8656 ng/ml
Oxazepam	5.763	76826	1142.14	71.8	101.14	416610	10.2046 ng/ml
Oxycodone	2.843	76326	378.03	30.7	1022.99	280098	10.1448 ng/ml
Oxymorphone	1.405	32299	∞	47.2	305.12	100784	10.0209 ng/ml
Phentermine	3.787	55235	61.71	5.0	33.00	653294	10.1227 ng/ml
Promethazine	5.560	161945	374.19	31.0	721.82	701244	9.9046 ng/ml
Pseudoephedrine	2.590	221486	223.24	17.3	2973.34	1125561	9.6547 ng/ml
Quetiapine	5.575	128838	20603.19	58.4	167.75	175169	9.9381 ng/ml
Sertraline	5.803	31142	209.09	93.2	184.79	126208	10.7328 ng/ml
Temazepam	5.831	116023	2908.64	29.9	139.66	563794	9.5269 ng/ml
Tramadol	4.257	230348	616.63	3.4	66.15	1045813	10.0858 ng/ml
Trazodone	5.175	116772	1062.42	81.9	4534.19	478338	10.2599 ng/ml
Venlafaxine	5.056	191729	8964.27	31.7	799.64	984580	10.1860 ng/ml
Zolpidem	4.934	181034	770.35	30.8	488.97	840321	10.7988 ng/ml

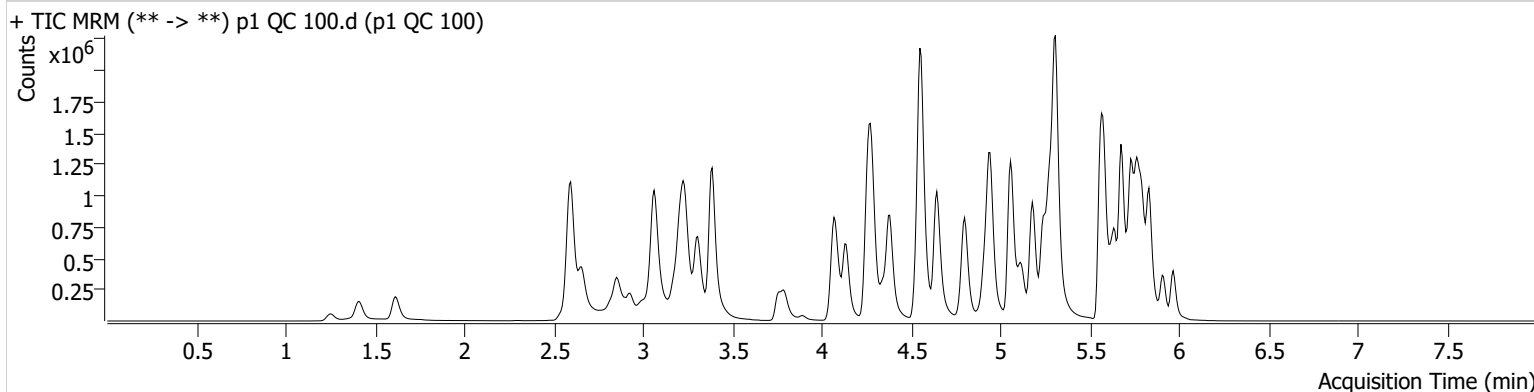
AM #28 Multi-Drug Quant. Results



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Calibration Last Update 7/1/2022 1:29:51 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	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 11:14:18 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.147	17538	270.00	70.2	414.87	43472	9.8475 ng/ml
7-aminoclonazepam	4.270	221196	5578.99	72.3	6239.07	84992	106.1453 ng/ml
a-hydroxyalprazolam	5.706	168371	6565.72	66.7	5030.62	196274	102.2639 ng/ml
alpha-PPH	4.949	313431	8050.01	256.0	883.14	430417	107.4623 ng/ml
alpha-PVP	4.381	1167595	25271.24	51.3	16515.01	430417	98.6951 ng/ml
Alprazolam	5.789	566081	∞	108.4	788.37	196274	99.4131 ng/ml
Amphetamine	3.065	2212437	1779.98	46.5	10596.30	259000	98.3421 ng/ml
Benzoylcegonine	3.890	34189	16292.25	7.8	47.40	11007	96.1570 ng/ml
Buprenorphine	5.881	30683	26797.92	16.2	3507.66	108716	9.5677 ng/ml
Bupropion	4.800	1182603	3051471.30	67.9	36534.33	416257	100.2812 ng/ml
Carisoprodol	5.737	534384	4802.13	61.6	4238.66	245043	91.5217 ng/ml
Citalopram	5.239	967420	16402.53	34.2	559.02	429978	98.8485 ng/ml
Clonazepam	5.619	573824	4752.88	34.2	647.06	79571	105.8892 ng/ml
Clonazepam	5.563	363688	23473.84	36.7	218464.70	79571	107.4175 ng/ml
Cocaine	4.276	776016	87854.16	57.2	880.73	633632	99.1312 ng/ml
Codeine	2.594	94642	1593.72	105.4	231.18	47035	106.8358 ng/ml
Cyclobenzaprine	5.642	701093	65761.45	8.5	295.61	293036	93.0970 ng/ml
Dextromethorphan	5.281	514852	1009.50	82.7	10283.84	213384	100.3808 ng/ml
Dextrophan	4.137	365215	456.26	197.9	2506.73	363865	98.7111 ng/ml
Diazepam	5.967	354482	263.65	89.3	6827.82	152177	107.3613 ng/ml
Dihydrocodeine	2.573	252078	3917.49	68.7	5621.32	153857	110.1128 ng/ml
Diphenhydramine	5.309	2641227	60626.70	31.4	∞	1481656	106.9743 ng/ml
Doxylamine	4.555	2747705	1848.58	98.2	112950.50	1205687	100.7672 ng/ml
EDDP	5.274	797757	15366.96	42.1	11330.24	436914	95.3881 ng/ml
Etizolam	5.827	270907	1365.98	27.9	5244.04	79571	84.6522 ng/ml
Fentanyl	5.123	92883	924.53	63.8	188184.14	482545	10.0944 ng/ml
Flualprazolam	5.719	216663	14088.58	98.4	13828.91	196274	106.8130 ng/ml
Fluoxetine	5.735	799239	50221.76	7.7	4018.43	298344	96.7574 ng/ml
Hydrocodone	3.034	379069	700.80	37.6	378.57	224622	104.0021 ng/ml
Hydromorphone	1.615	334378	538.70	77.0	1192390.43	99230	104.3538 ng/ml
Ketamine	4.070	894342	38565.62	34.5	1091.16	391355	102.9167 ng/ml
Lamotrigine	4.292	67563	2062.41	87.6	1799.31	391355	102.4254 ng/ml
Levetiracetam	2.658	337788	5042.16	161.1	7532.37	1022543	104.6683 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.761	452445	9871.11	53.0	3037.61	79571	98.8660 ng/ml
MDA	3.212	1344793	8395.58	28.4	2557.04	303992	111.6001 ng/ml
MDMA	3.306	869565	1505077.85	88.4	6316.67	86807	99.0984 ng/ml
Meprobamate	4.910	270559	293.52	28.6	1947.30	153308	102.7561 ng/ml
Methadone	5.673	1438895	299331.03	59.5	32959.56	600892	94.1139 ng/ml
Methamphetamine	3.233	1639566	668.76	38.4	1439.78	670291	109.8980 ng/ml
Metoprolol	4.345	249797	333427.77	97.0	8371.49	1023764	109.2548 ng/ml
Mirtazapine	4.643	1758163	1986.05	53.4	75183.36	430417	99.5207 ng/ml
Mitragynine	5.250	281254	4564.23	37.4	15258.50	600892	105.4471 ng/ml
Morphine	1.253	54869	254.54	27.9	155.38	8001	94.9182 ng/ml
Norbuprenorphine	5.012	3760	12866.35	94.6	3847.07	16596	9.5038 ng/ml
Nordiazepam	5.914	368547	2015.41	55.0	4325.84	123389	100.6702 ng/ml
Norfentanyl	4.097	213268	65752.59	36.2	72.30	852814	9.6374 ng/ml
Norhydrocodone	3.082	56866	147.57	38.5	85.00	48133	96.1624 ng/ml
Noroxycodone	2.925	387220	3440.59	47.8	373.22	118268	100.4253 ng/ml
O-desmethyl-tramadol	3.386	2121551	103487.88	5.9	396.27	1075144	97.8415 ng/ml
Oxazepam	5.763	618916	1083.49	73.0	8026.78	331872	107.5736 ng/ml
Oxycodone	2.850	768759	1163.34	30.1	1558.50	281078	108.3314 ng/ml
Oxymorphone	1.412	321499	426.17	44.8	182.97	101397	103.0407 ng/ml
Phentermine	3.794	508126	3200.42	5.1	85.56	627125	106.7051 ng/ml
Promethazine	5.560	1580370	969.30	31.1	896.82	670057	97.9652 ng/ml
Pseudoephedrine	2.597	2066629	29131.29	17.2	37490.34	1022543	96.7283 ng/ml
Quetiapine	5.575	1168550	212020.73	59.3	∞	167025	96.2697 ng/ml
Sertraline	5.803	254779	7998.56	94.4	25856.79	109057	97.4256 ng/ml
Temazepam	5.831	971855	12973.94	26.6	1795.80	469345	100.1626 ng/ml
Tramadol	4.257	2168207	71226.66	3.3	965.59	1023764	100.6198 ng/ml
Trazodone	5.175	1153959	149500.12	80.7	1760.53	472552	107.5068 ng/ml
Venlafaxine	5.056	1850841	591.17	31.8	10337.18	934741	100.7275 ng/ml
Zolpidem	4.934	1750804	439772.86	30.3	2919.21	825479	112.5887 ng/ml

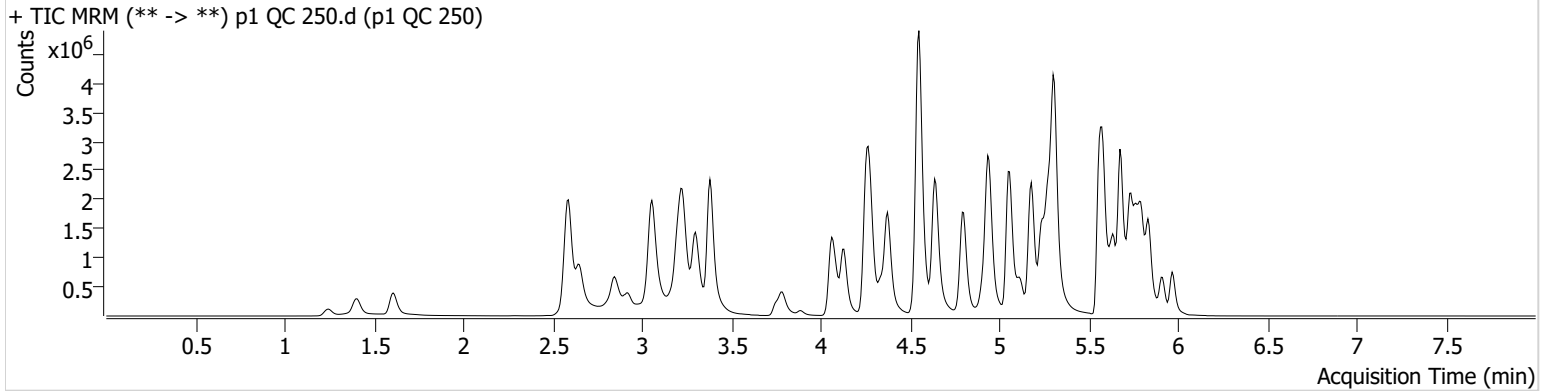
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 1:30:09 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	41112	60443.02	72.2	176.34	40557	24.7759 ng/ml
7-aminoclonazepam	4.263	363431	4350.88	72.8	161.14	61301	242.8705 ng/ml
a-hydroxyalprazolam	5.706	284735	2173.71	65.6	1023.82	157900	216.3597 ng/ml
alpha-PHP	4.949	678652	830.00	261.9	8495.41	404511	248.5970 ng/ml
alpha-PVP	4.375	2750870	2587.52	51.2	15040.92	404511	247.2720 ng/ml
Alprazolam	5.789	1197620	6558.32	107.6	570.52	157900	261.3384 ng/ml
Amphetamine	3.058	4586726	860.29	46.6	40855.07	237101	223.6797 ng/ml
Benzoylecgonine	3.884	83202	247.33	8.4	456.43	10954	234.9717 ng/ml
Buprenorphine	5.881	77771	233495.42	15.8	12275.13	107413	24.4934 ng/ml
Bupropion	4.800	2789738	85443.47	67.5	32811.83	395579	249.1673 ng/ml
Carisoprodol	5.737	921128	712.28	64.2	1037.58	164008	233.2030 ng/ml
Citalopram	5.232	2209411	42172.70	34.0	1640044.21	379401	255.6103 ng/ml
Clonazepam	5.619	1089304	5453.63	33.6	1129.37	62121	258.4121 ng/ml
Clonazepam	5.563	629967	60522.12	37.1	84951.26	62121	240.6405 ng/ml
Cocaine	4.276	1730368	122395.32	56.1	45513.58	555756	252.2399 ng/ml
Codeine	2.587	199531	5408.18	100.2	2497.82	42168	251.6888 ng/ml
Cyclobenzaprine	5.642	1617723	54055.70	8.2	2804.12	254729	246.5137 ng/ml
Dextromethorphan	5.281	1127391	69604.13	81.9	27406.66	181899	258.0819 ng/ml
Dextrophan	4.130	824177	1089.75	199.3	8450.70	321364	251.6435 ng/ml
Diazepam	5.967	765674	14369.18	88.8	2619.44	132588	266.4906 ng/ml
Dihydrocodeine	2.566	547211	11405.30	70.4	8686.48	141899	261.0205 ng/ml
Diphenhydramine	5.309	5882023	159831.82	31.3	24579.68	1334979	264.0531 ng/ml
Doxylamine	4.548	6681969	253579.71	97.8	113666.79	1130797	261.3844 ng/ml
EDDP	5.274	1768836	78942.60	40.6	31990.80	377222	244.7929 ng/ml
Etizolam	5.827	609170	11347.58	27.3	5820.99	62121	242.7608 ng/ml
Fentanyl	5.116	243889	24388.26	64.9	607676.92	505506	25.2724 ng/ml
Flualprazolam	5.719	424850	16380.20	105.2	4329.76	157900	261.3058 ng/ml
Fluoxetine	5.735	1631784	2869.05	8.0	227.41	241167	243.6529 ng/ml
Hydrocodone	3.027	806723	365.03	39.3	702.18	206959	241.0924 ng/ml
Hydromorphone	1.608	742005	3902146.45	79.1	2893703.03	95228	241.4945 ng/ml
Ketamine	4.063	2091620	1220.66	34.0	24947.43	367280	257.2373 ng/ml
Lamotrigine	4.292	132269	1187.45	91.6	1776.83	367280	214.3082 ng/ml
Levetiracetam	2.651	738055	1683.72	163.2	8367.40	906855	257.7338 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.761	643008	4739.23	51.7	1135.65	62121	182.0090 ng/ml*
MDA	3.199	2599999	1980.87	27.5	1791.24	257938	255.3543 ng/ml
MDMA	3.299	1990242	2092.98	87.8	2672.16	77391	254.5496 ng/ml
Meprobamate	4.910	529216	330.05	28.8	1491.82	141856	218.3824 ng/ml
Methadone	5.673	3453359	2070.77	58.4	24703.00	550737	244.3762 ng/ml
Methamphetamine	3.227	3737709	1418.08	37.9	21468.66	652032	259.6328 ng/ml
Metoprolol	4.338	547883	979507.02	97.6	16175.67	904379	272.5470 ng/ml
Mirtazapine	4.636	4086888	21273.05	53.9	3411.04	404511	245.8993 ng/ml
Mitragynine	5.249	674815	7840.29	37.4	2975.22	550737	276.2999 ng/ml
Morphine	1.247	124025	1081.68	29.0	103.09	6797	252.9841 ng/ml
Norbuprenorphine	5.005	9536	5328.30	93.3	23153.56	16516	24.9153 ng/ml
Nordiazepam	5.914	793680	∞	53.6	563.28	104106	257.2713 ng/ml
Norfentanyl	4.090	495219	173.95	36.0	4567.42	738745	25.7348 ng/ml
Norhydrocodone	3.075	121988	∞	39.2	149.12	37532	262.4920 ng/ml
Noroxycodone	2.918	752846	2739.19	47.6	1697.11	89195	259.1014 ng/ml
O-desmethyl-tramadol	3.379	5040628	244173.99	5.9	14462.04	993763	251.2555 ng/ml
Oxazepam	5.763	959083	724.98	74.3	9309.48	216037	256.7419 ng/ml
Oxycodone	2.843	1655834	2172.22	30.4	1538.20	257992	255.1849 ng/ml
Oxymorphone	1.405	691905	∞	46.5	1774.35	91041	247.5929 ng/ml
Phentermine	3.787	1094630	∞	4.9	1497.18	590688	245.5033 ng/ml
Promethazine	5.560	3925477	176016.31	30.3	1318.99	646366	251.7089 ng/ml
Pseudoephedrine	2.590	4663881	66061.49	16.9	126652.04	906855	245.7346 ng/ml
Quetiapine	5.575	2564592	42563.15	59.4	16126.35	139895	252.5862 ng/ml
Sertraline	5.803	548375	10783.41	93.8	26640.25	89705	254.1339 ng/ml
Temazepam	5.831	1775436	68559.37	27.7	2446.81	345410	249.3412 ng/ml
Tramadol	4.257	4962038	318898.02	3.3	769.43	904379	261.3426 ng/ml
Trazodone	5.175	2825488	571.34	83.2	1013.76	484588	257.4458 ng/ml
Venlafaxine	5.056	4451366	168767.87	31.2	35957.61	875829	258.0633 ng/ml
Zolpidem	4.934	3874134	395632.74	29.4	5170.73	771560	267.5136 ng/ml

*Outside curve range.

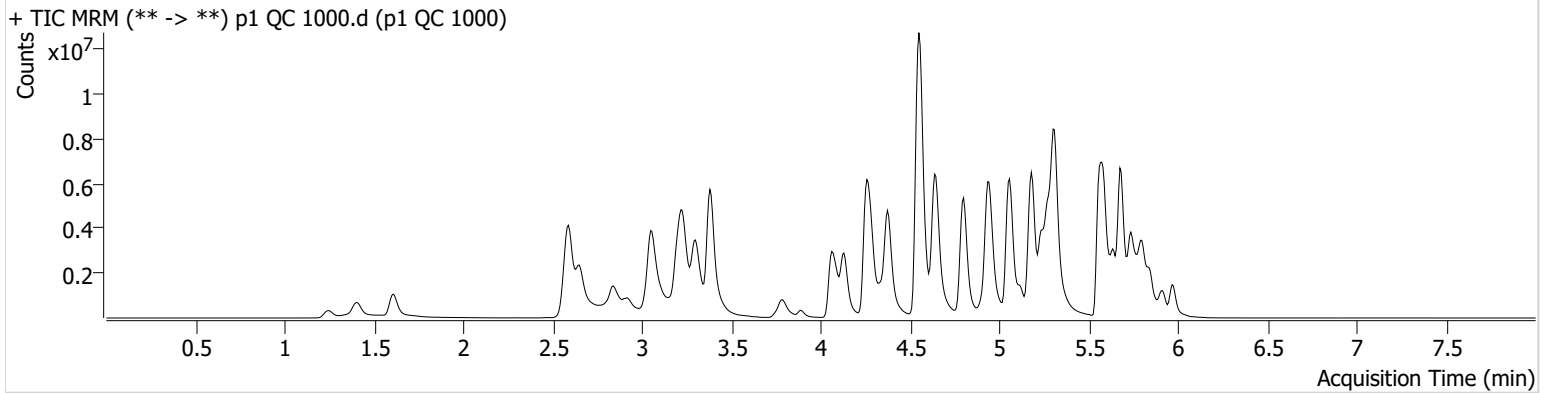
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 1:51:25 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	143888	850.09	69.8	640604.28	34405	102.2856 ng/ml
7-aminoclonazepam	4.270	597320	2818.41	64.6	2024.57	35491	691.0090 ng/ml *
a-hydroxyalprazolam	5.699	387330	411.44	67.0	783.60	91017	512.3079 ng/ml *
alpha-PHP	4.949	1729097	81616.50	264.9	114775.62	305226	841.2653 ng/ml
alpha-PVP	4.375	8719511	116581.58	50.3	73588.67	305226	1038.4289 ng/ml
Alprazolam	5.789	2611869	671.95	107.3	611.00	91017	988.6011 ng/ml
Amphetamine	3.058	9935903	66878.57	46.3	54702.44	180447	638.0883 ng/ml *
Benzoylcegonine	3.890	336986	58568.84	8.2	1811.79	10914	954.7779 ng/ml
Buprenorphine	5.881	290375	10515.01	15.2	77296.30	93487	104.9675 ng/ml
Bupropion	4.800	9376255	245136.28	66.4	66942.96	352461	940.3469 ng/ml
Carisoprodol	5.744	1422050	212.64	62.1	6037.80	57409	1023.1043 ng/ml
Citalopram	5.232	5354400	124065.08	33.0	72484.47	222074	1057.8468 ng/ml
Clonazepam	5.619	1804409	789.62	34.2	19190.81	30540	872.2677 ng/ml
Clonazepam	5.556	830161	18898.19	38.2	6686.30	30540	648.2334 ng/ml *
Cocaine	4.276	4435652	221684.41	56.7	318436.52	354812	1013.2221 ng/ml
Codeine	2.587	465826	6020.23	100.8	13027.40	30160	822.2911 ng/ml
Cyclobenzaprine	5.642	4260586	369.08	7.7	605.12	153277	1077.7272 ng/ml
Dextromethorphan	5.281	2422500	31123.98	82.5	41834.48	99280	1016.4737 ng/ml
Dextrophan	4.130	2506316	148873.11	198.5	6800.00	225743	1088.1594 ng/ml
Diazepam	5.967	1817644	10705.58	90.6	8497.71	83176	1009.0687 ng/ml
Dihydrocodeine	2.559	1543649	19672.01	71.8	25993.52	131520	797.2146 ng/ml
Diphenhydramine	5.309	15052548	277608.33	31.6	67498.09	809235	1113.9660 ng/ml
Doxylamine	4.548	20360079	201237.22	97.1	558398.81	969256	929.3520 ng/ml
EDDP	5.274	5575037	68873.69	40.9	30976.90	289303	1005.6635 ng/ml
Etizolam	5.834	1418874	21587.71	27.2	7855.50	30540	1148.0652 ng/ml
Fentanyl	5.116	893362	30189.94	63.9	5209.10	437127	106.9911 ng/ml
Flualprazolam	5.719	817108	17386.01	111.4	87178.05	91017	873.4228 ng/ml
Fluoxetine	5.735	3607197	216969.79	7.9	4004.75	120379	1077.4190 ng/ml
Hydrocodone	3.027	2399253	323.18	38.5	205.50	165472	898.6032 ng/ml
Hydromorphone	1.608	2427703	12092906.38	78.9	10066329.1	73657	1022.0062 ng/ml
Ketamine	4.063	6214289	232271.92	32.9	16137.75	302112	930.4626 ng/ml
Lamotrigine	4.292	267791	5678.05	88.9	26770.54	302112	528.3479 ng/ml *

AM #28 Multi-Drug Quant. Results



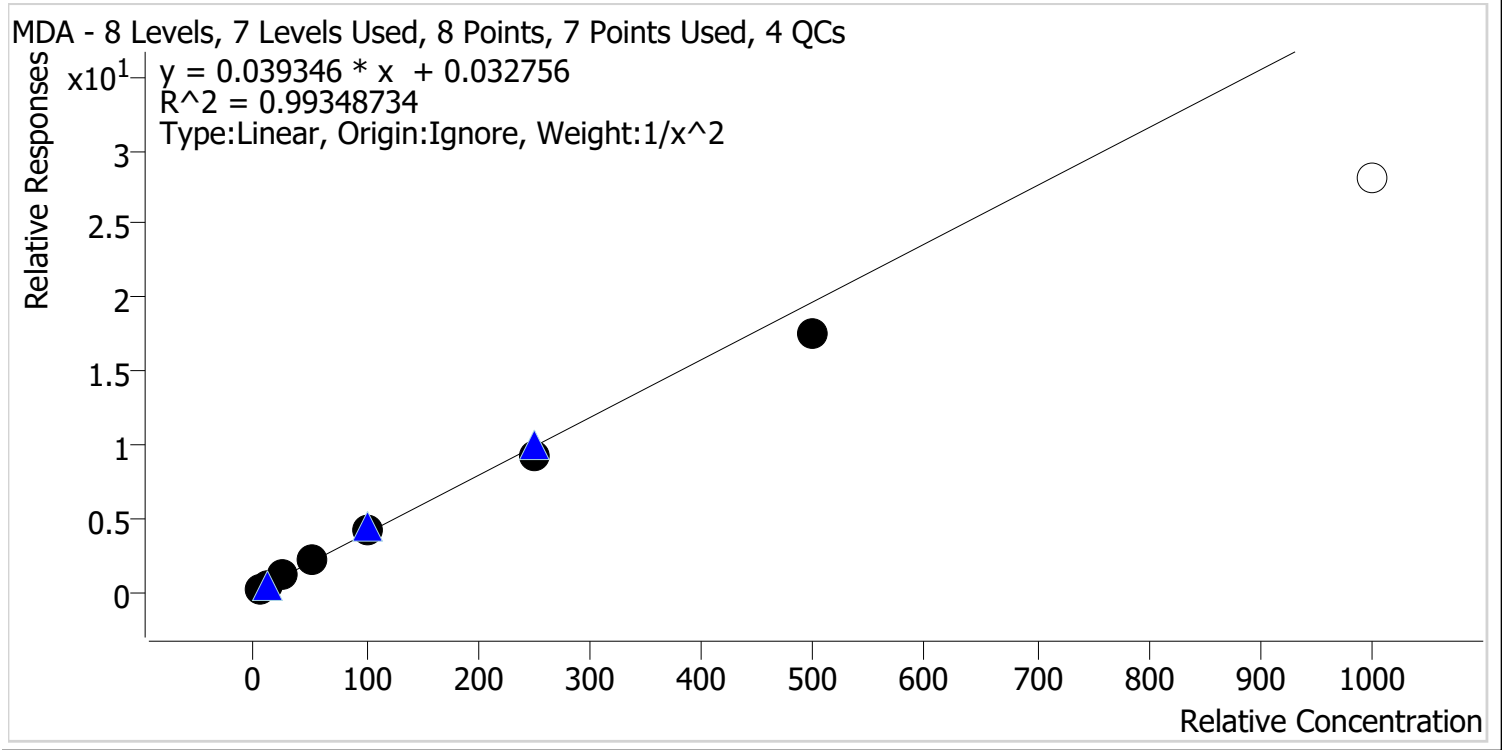
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.651	2002992	14316.74	165.1	3707.27	579989	1093.3469 ng/ml
Lorazepam	5.761	665221	13665.57	53.5	3390.70	30540	385.7579 ng/ml *
MDA	3.192	4799264	59891.38	26.5	23466.61	143879	846.9310 ng/ml *
MDMA	3.299	5637396	206932.86	86.4	72205.77	52697	1059.1658 ng/ml
Meprobamate	4.903	1071629	144.57	27.7	100.00	102285	615.1791 ng/ml *
Methadone	5.673	9677572	1442.19	57.1	82680.47	364185	1031.4955 ng/ml
Methamphetamine	3.227	10774136	87141.14	36.7	3443.80	603604	811.7273 ng/ml
Metoprolol	4.338	1292537	5576.10	98.8	37642.69	699270	833.3519 ng/ml
Mirtazapine	4.636	12264604	29070.48	52.9	14717.37	305226	977.4620 ng/ml
Mitragynine	5.250	1594539	1805.31	37.6	291359.49	364185	987.7219 ng/ml
Morphine	1.247	394629	275.42	28.9	191.82	5891	929.3184 ng/ml
Norbuprenorphine	5.005	32740	3150.37	88.9	272.64	13954	102.6220 ng/ml
Nordiazepam	5.914	1591424	662.64	50.7	2205.80	52739	1018.9020 ng/ml
Norfentanyl	4.097	1508900	299.18	35.8	10888.86	447214	129.2893 ng/ml *
Norhydrocodone	3.075	404267	∞	40.3	548.29	26888	1210.0007 ng/ml *
Noroxycodone	2.918	1619851	2825.94	48.6	394.52	49010	1014.9730 ng/ml
O-desmethyl-tramadol	3.379	15879164	519967.00	5.8	98192.65	750137	1048.0850 ng/ml
Oxazepam	5.763	1001926	5861.88	72.6	13427.52	60645	956.7592 ng/ml
Oxycodone	2.829	4506035	∞	30.3	574.59	208902	859.3231 ng/ml
Oxymorphone	1.405	2165790	∞	47.0	∞	71158	992.8820 ng/ml
Phentermine	3.787	2777347	∞	4.8	1521.27	513061	719.3188 ng/ml *
Promethazine	5.560	11042692	715.25	29.3	932.88	437573	1044.8535 ng/ml
Pseudoephedrine	2.590	13004163	180354.09	16.5	91898.99	579989	1070.4385 ng/ml
Quetiapine	5.582	6504439	56003.56	58.8	127954.97	95028	943.6446 ng/ml
Sertraline	5.803	1304039	91114.12	91.8	20321.55	52734	1026.5181 ng/ml
Temazepam	5.837	2633543	48818.55	27.7	21092.30	117615	1087.7761 ng/ml
Tramadol	4.251	13422619	∞	3.2	410.17	699270	915.3647 ng/ml
Trazodone	5.175	8662881	1399.00	81.7	719.65	436312	877.9601 ng/ml
Venlafaxine	5.056	13599950	4460.54	30.3	4672.11	632572	1090.6390 ng/ml
Zolpidem	4.934	10518117	537301.62	28.2	129807.42	641315	875.3987 ng/ml

*Outside curve range.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5



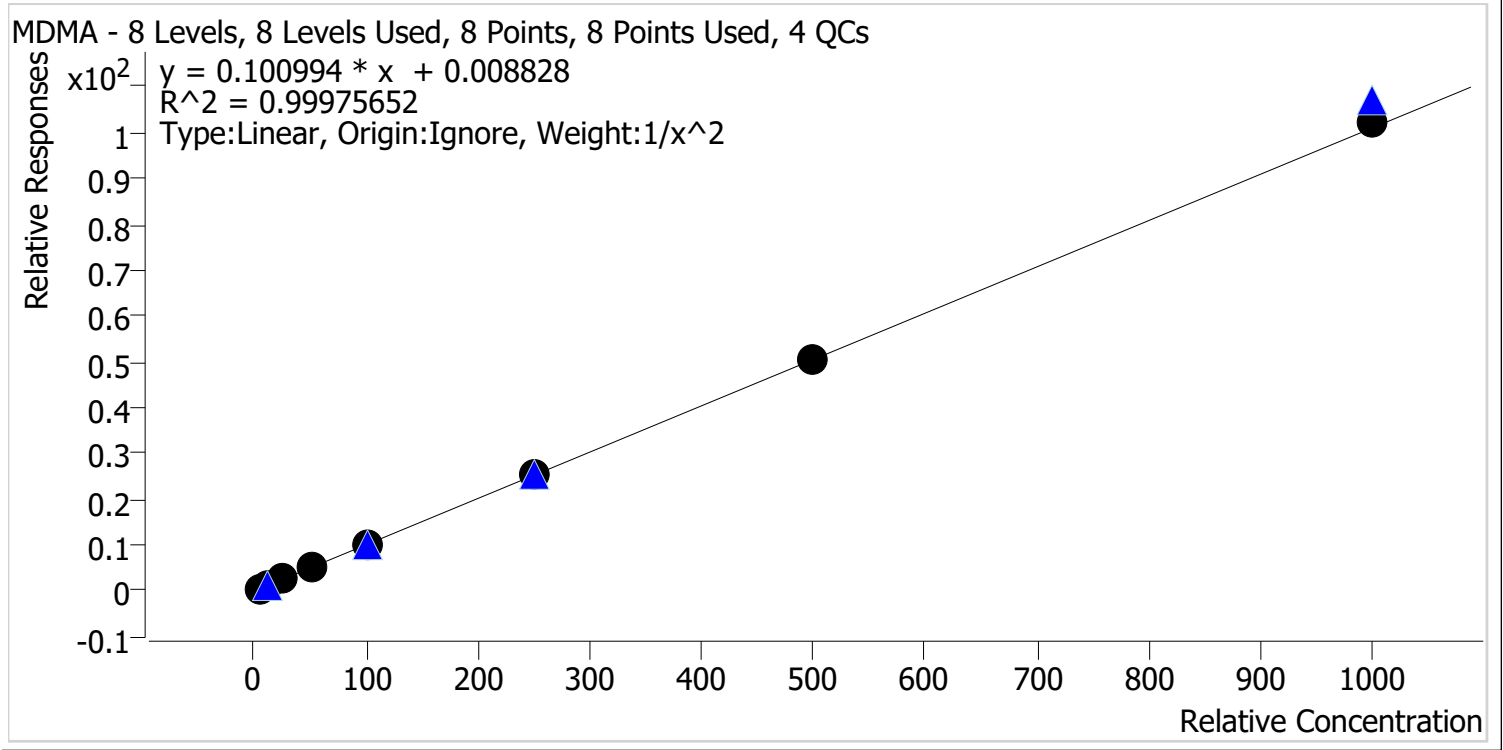
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.3	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.6
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	236.7	94.7
p1 Cal 7-500ng	7	✓	500.0	443.9	88.8
p1 Cal 8-1000ng	8	✗	1000.0	714.3	71.4

Calibrator 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6



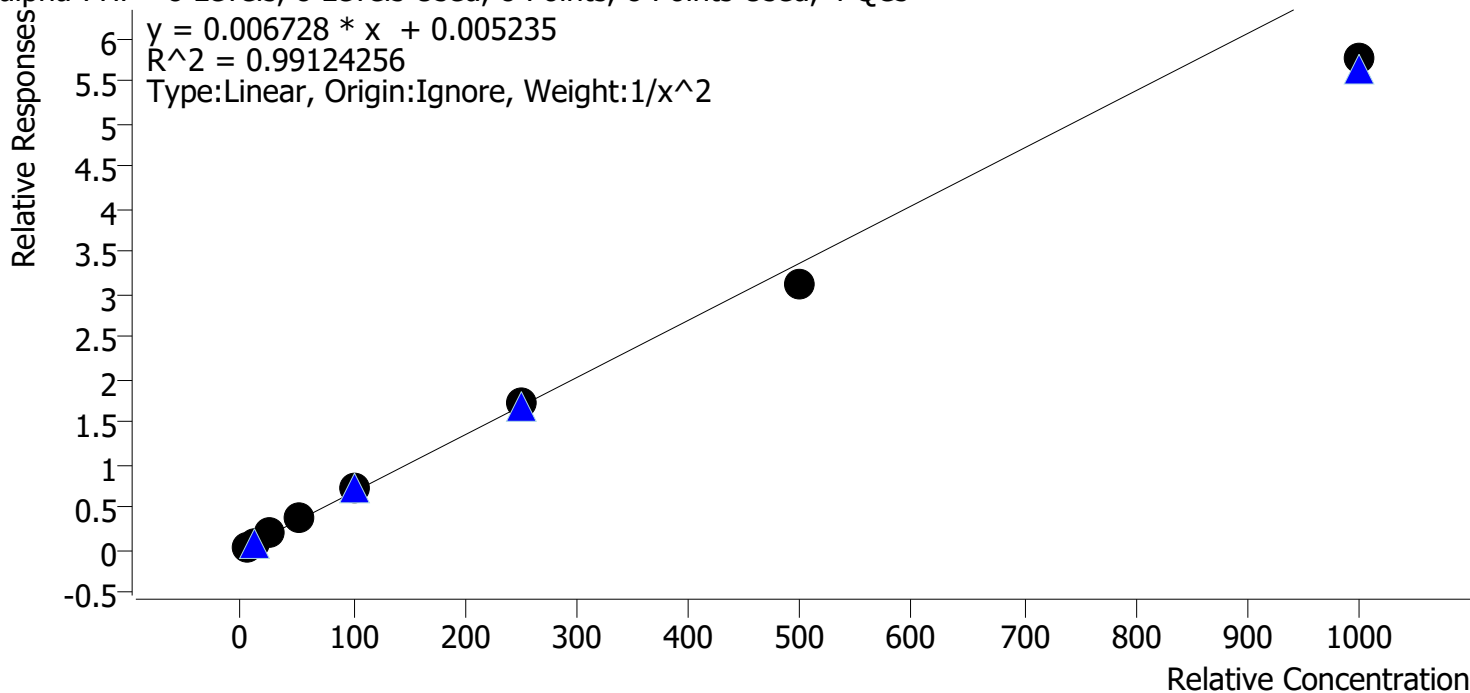
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	503.8	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1009.4	100.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

alpha-PHP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



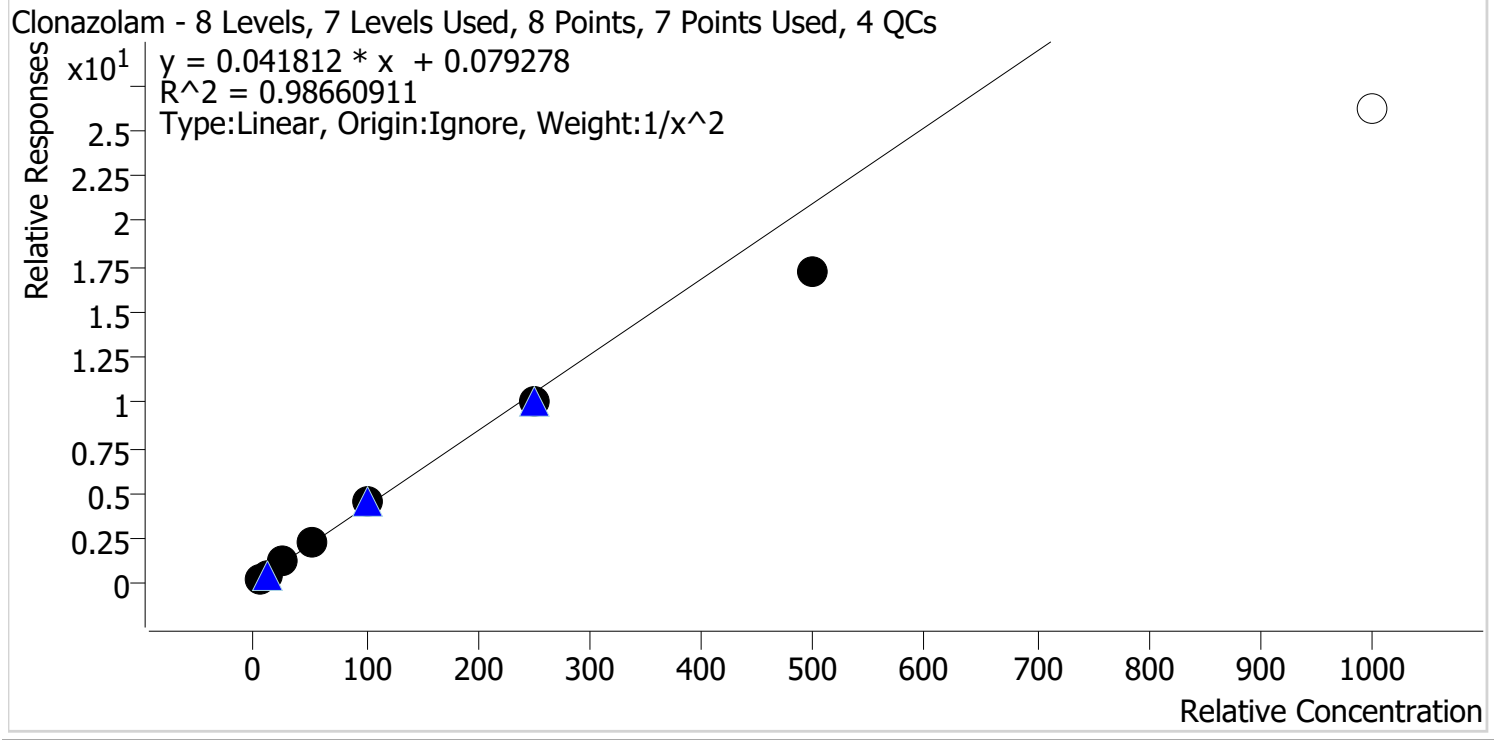
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	27.5	110.2
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	462.0	92.4
p1 Cal 8-1000ng	8	✓	1000.0	856.4	85.6

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4



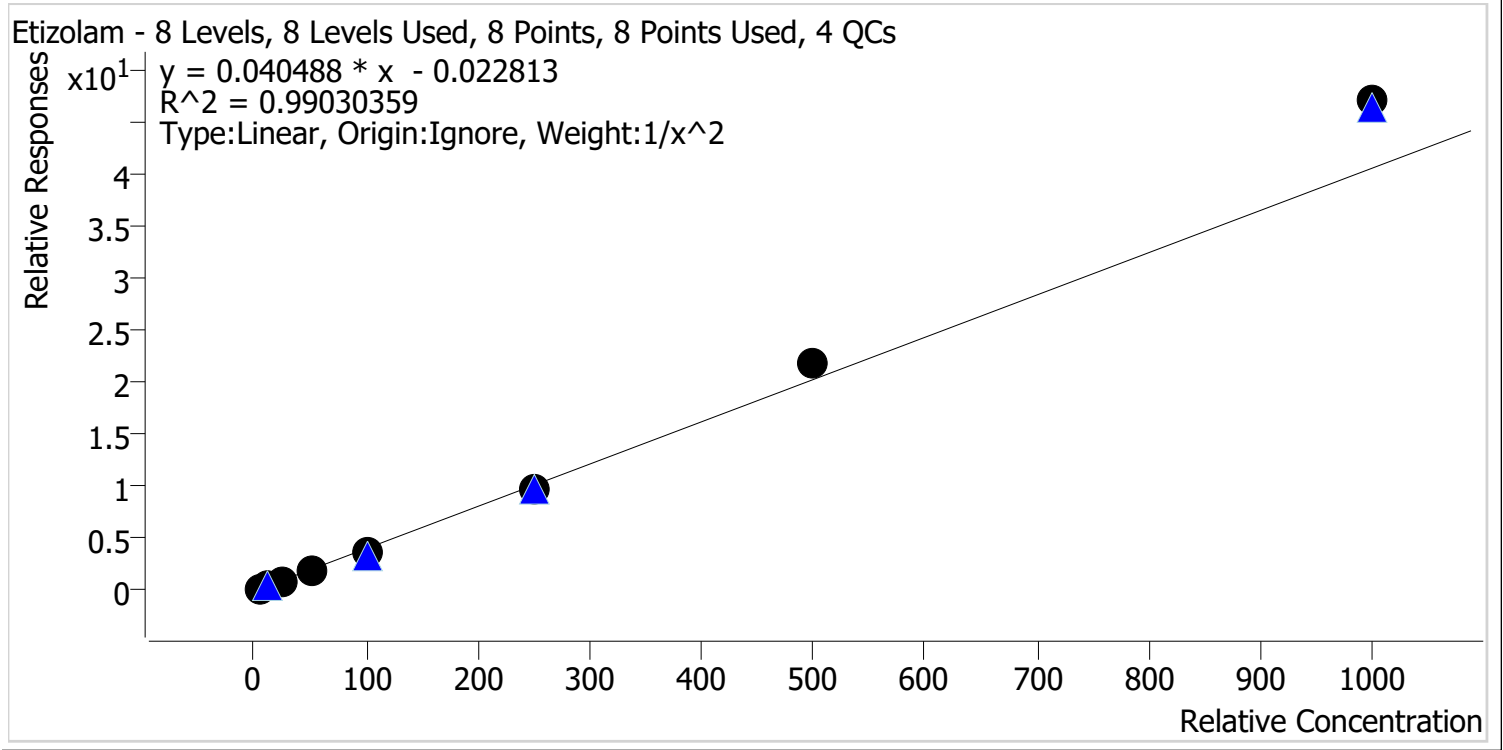
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.9
p1 Cal 4-50ng	4	✓	50.0	54.6	109.3
p1 Cal 5-100ng	5	✓	100.0	107.4	107.4
p1 Cal 6-250ng	6	✓	250.0	238.8	95.5
p1 Cal 7-500ng	7	✓	500.0	408.5	81.7
p1 Cal 8-1000ng	8	✗	1000.0	626.2	62.6

Calibrator 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4



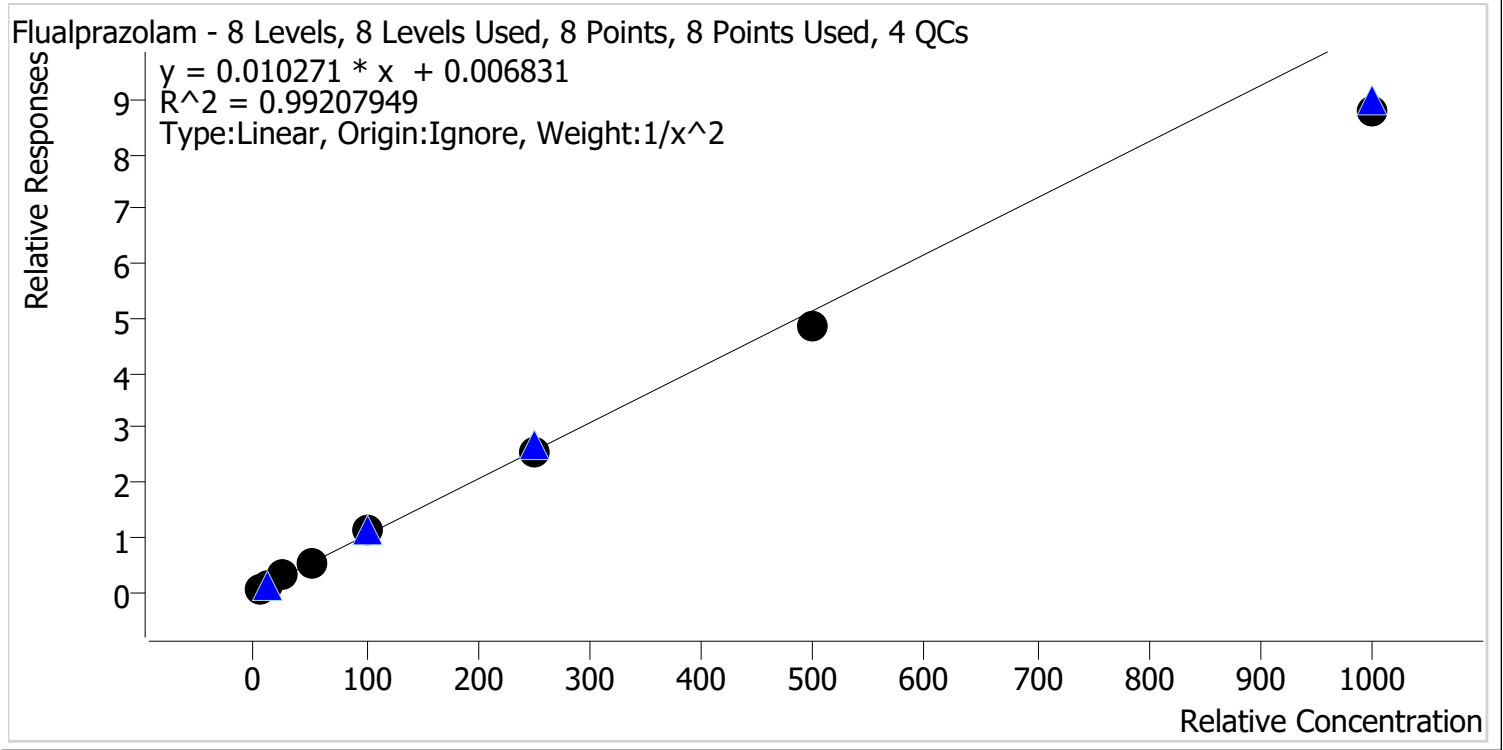
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.5
p1 Cal 4-50ng	4	✓	50.0	46.1	92.3
p1 Cal 5-100ng	5	✓	100.0	93.4	93.4
p1 Cal 6-250ng	6	✓	250.0	242.5	97.0
p1 Cal 7-500ng	7	✓	500.0	539.4	107.9
p1 Cal 8-1000ng	8	✓	1000.0	1159.9	116.0

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



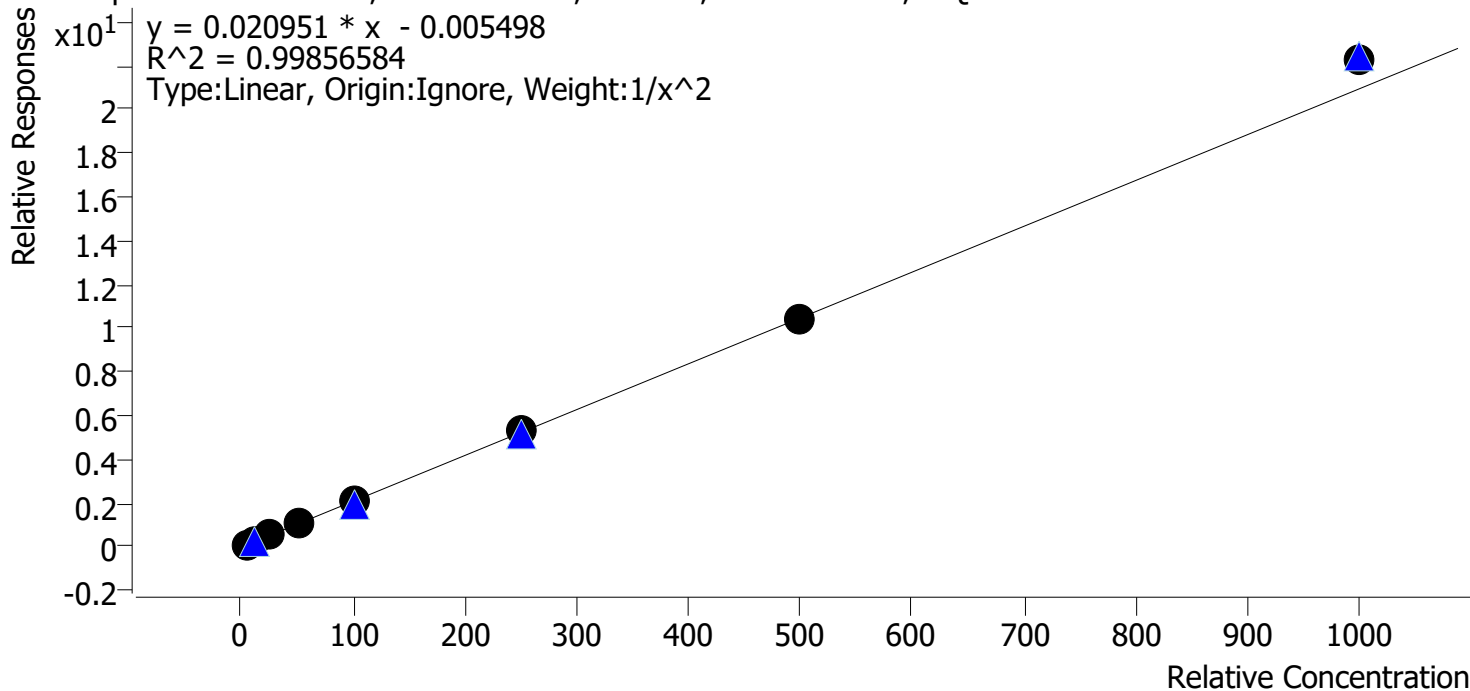
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.1
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	108.1	108.1
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	474.8	95.0
p1 Cal 8-1000ng	8	✓	1000.0	853.2	85.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



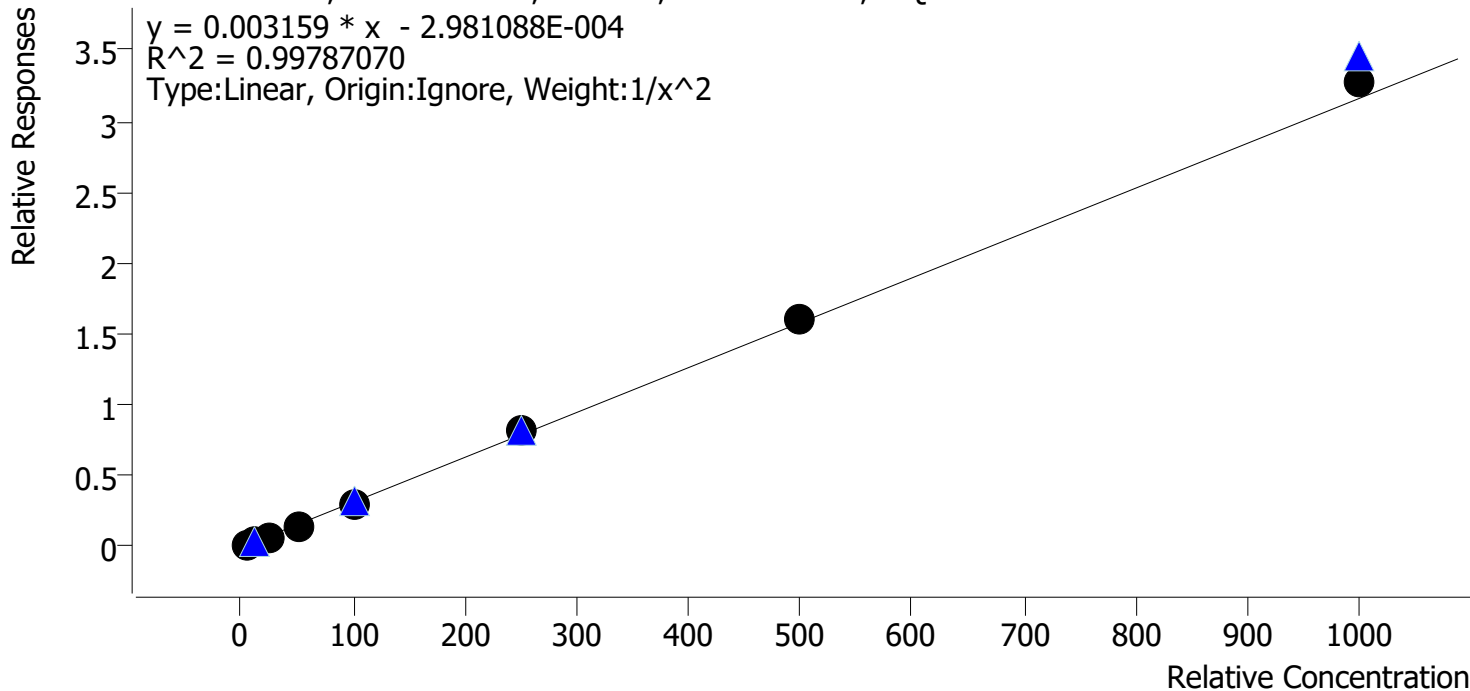
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	254.6	101.9
p1 Cal 7-500ng	7	✓	500.0	496.9	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1062.1	106.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3

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

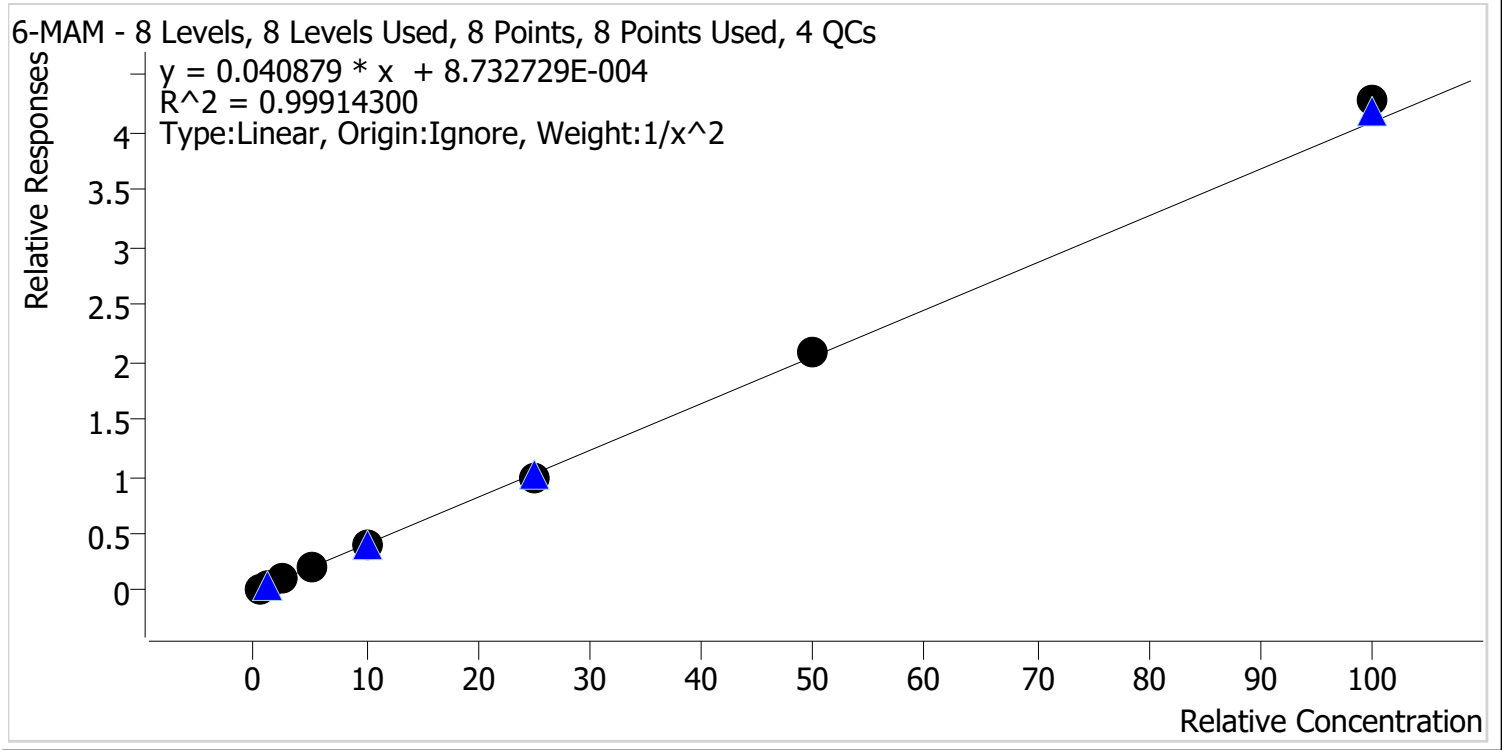


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	46.8	93.6
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	262.8	105.1
p1 Cal 7-500ng	7	✓	500.0	509.5	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1038.4	103.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

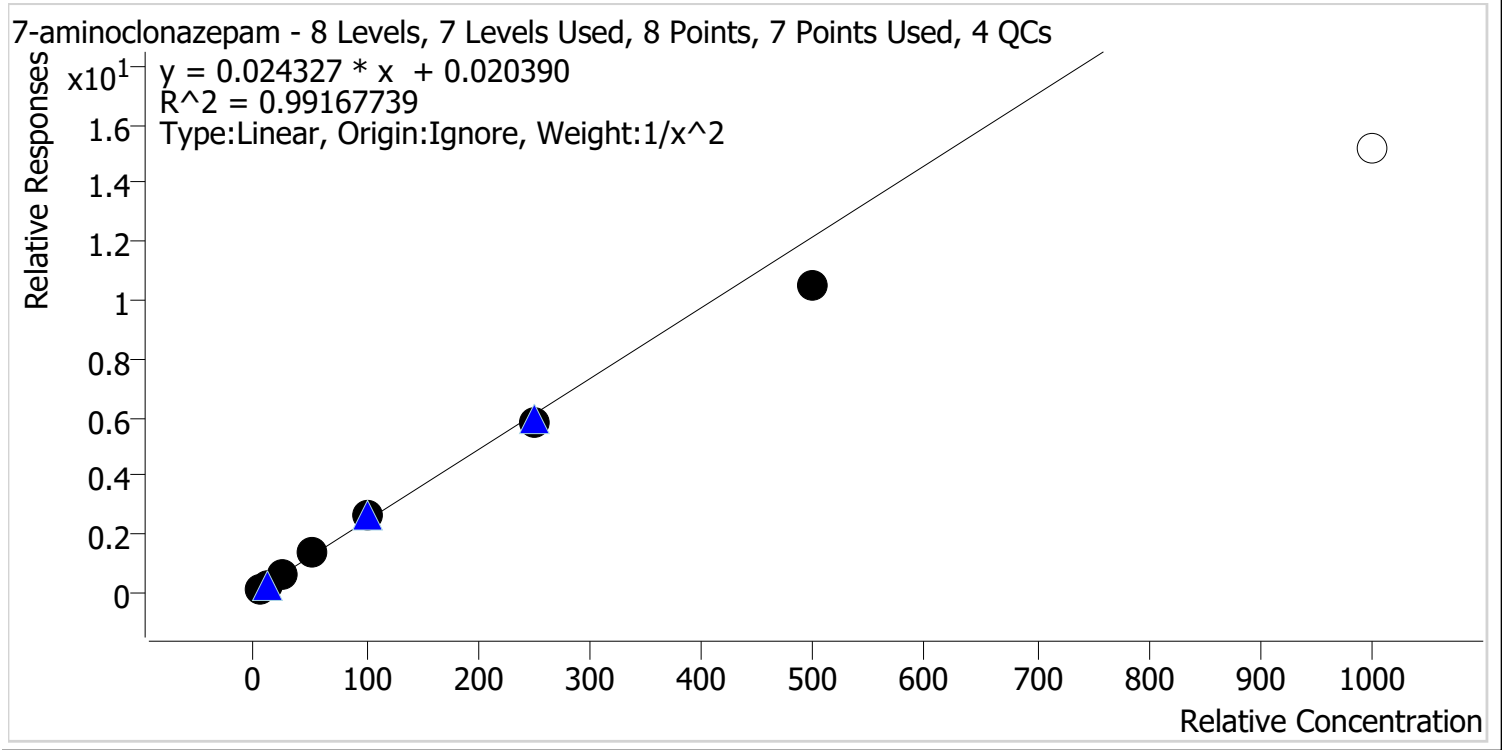


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.6
p1 Cal 2-10ng	2	✓	1.0	1.0	100.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.2
p1 Cal 4-50ng	4	✓	5.0	4.9	98.9
p1 Cal 5-100ng	5	✓	10.0	9.7	97.3
p1 Cal 6-250ng	6	✓	25.0	24.4	97.8
p1 Cal 7-500ng	7	✓	50.0	51.3	102.6
p1 Cal 8-1000ng	8	✓	100.0	104.6	104.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 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	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	238.9	95.6
p1 Cal 7-500ng	7	✓	500.0	430.2	86.0
p1 Cal 8-1000ng	8	✗	1000.0	626.2	62.6

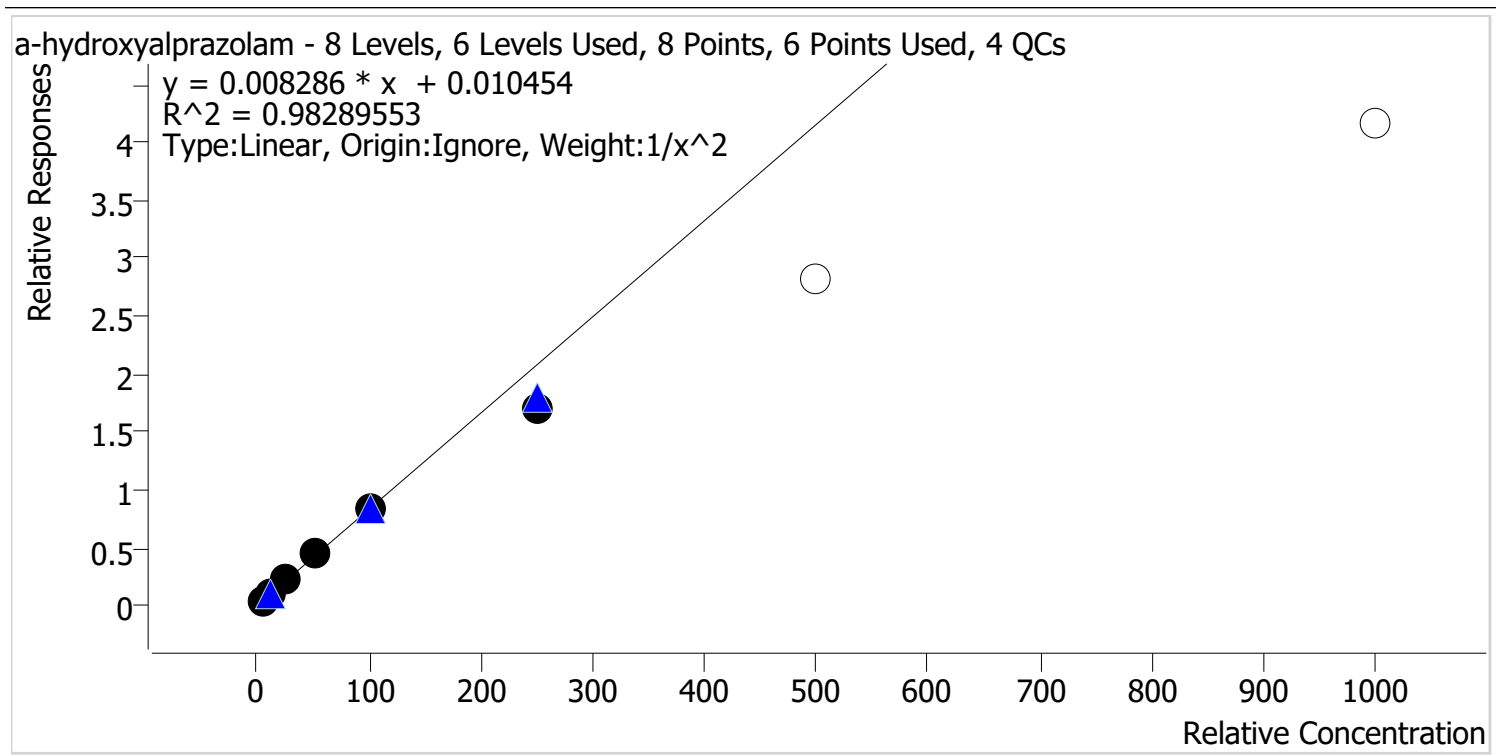
Calibrator 8 dropped due to not meeting accuracy requirement.

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



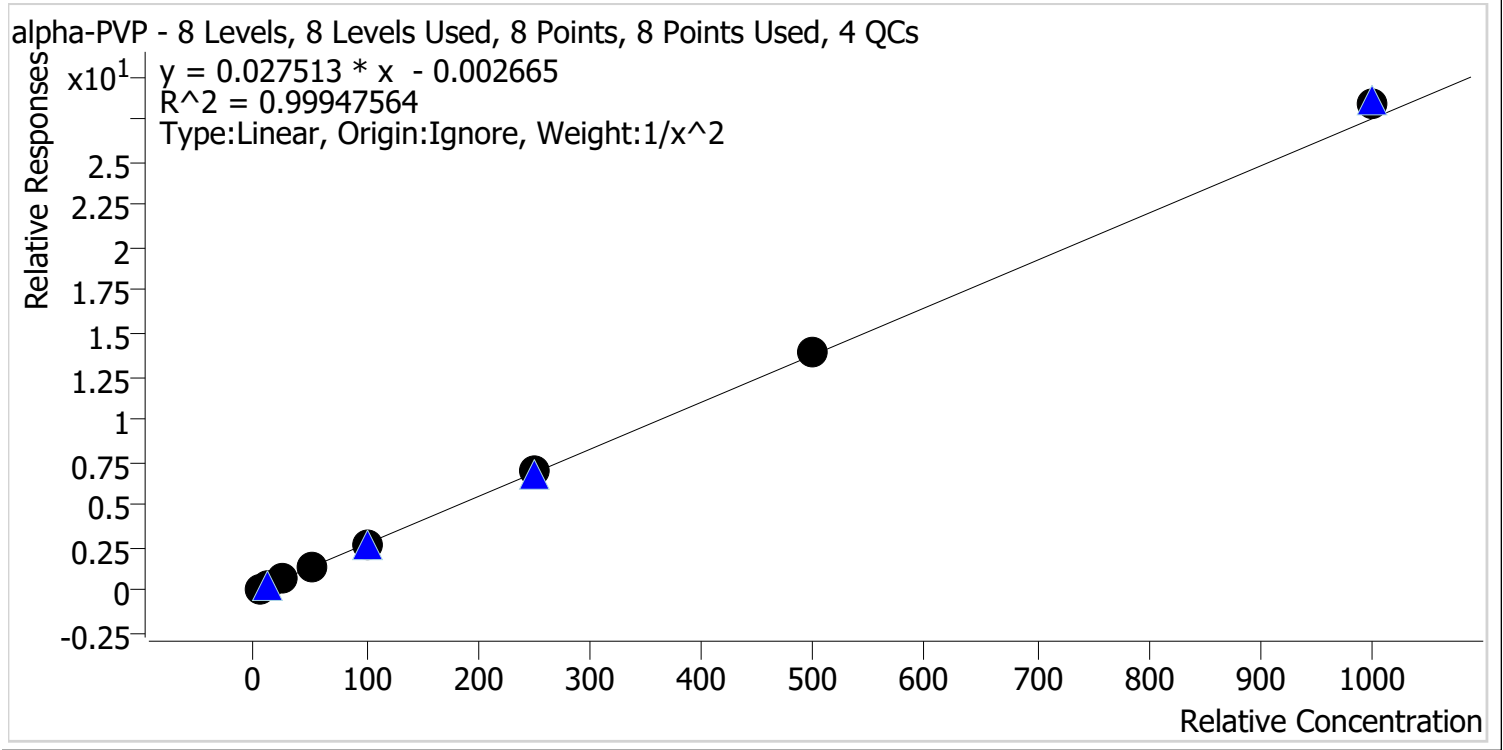
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	27.7	110.6
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	203.4	81.3
p1 Cal 7-500ng	7	x	500.0	340.5	68.1
p1 Cal 8-1000ng	8	x	1000.0	502.3	50.2

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



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8



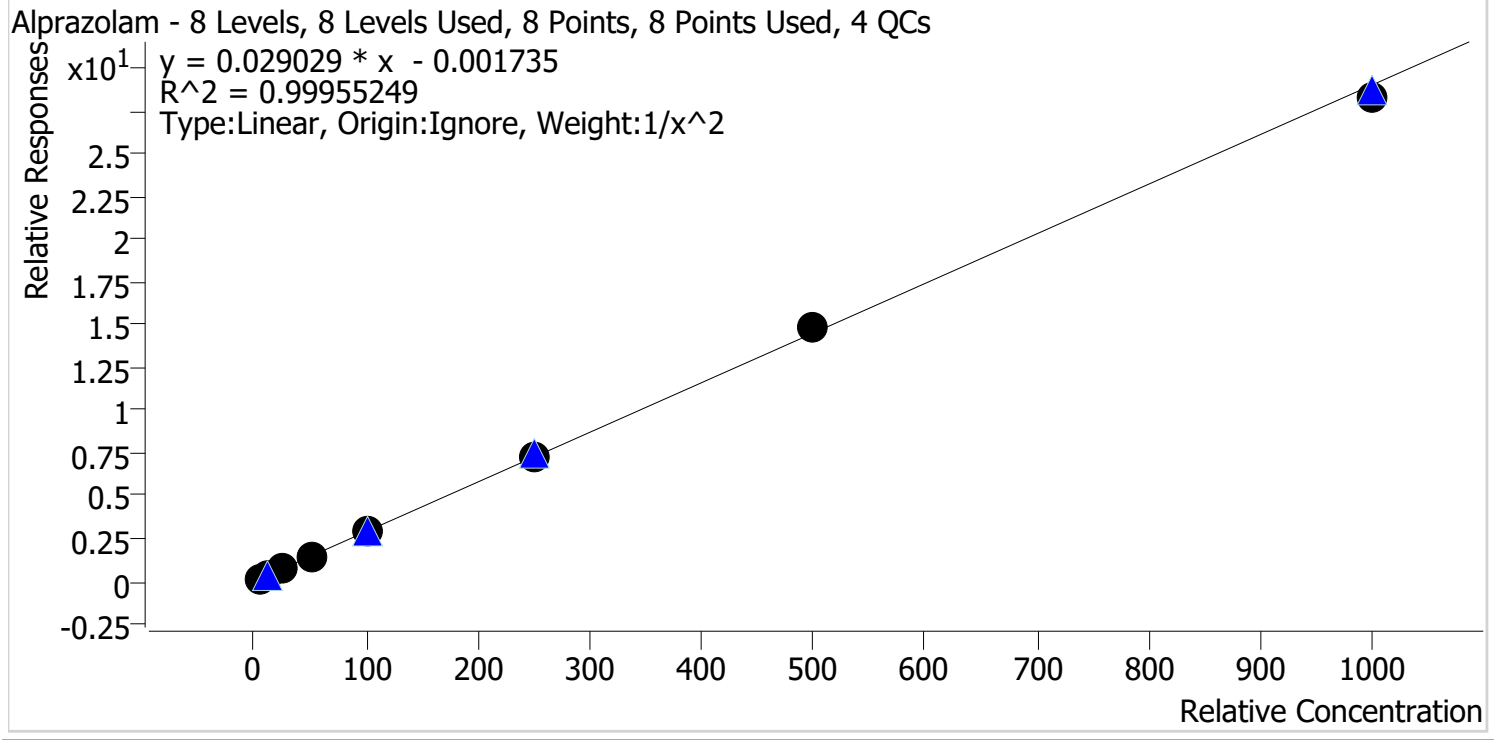
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	508.1	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1030.4	103.0

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

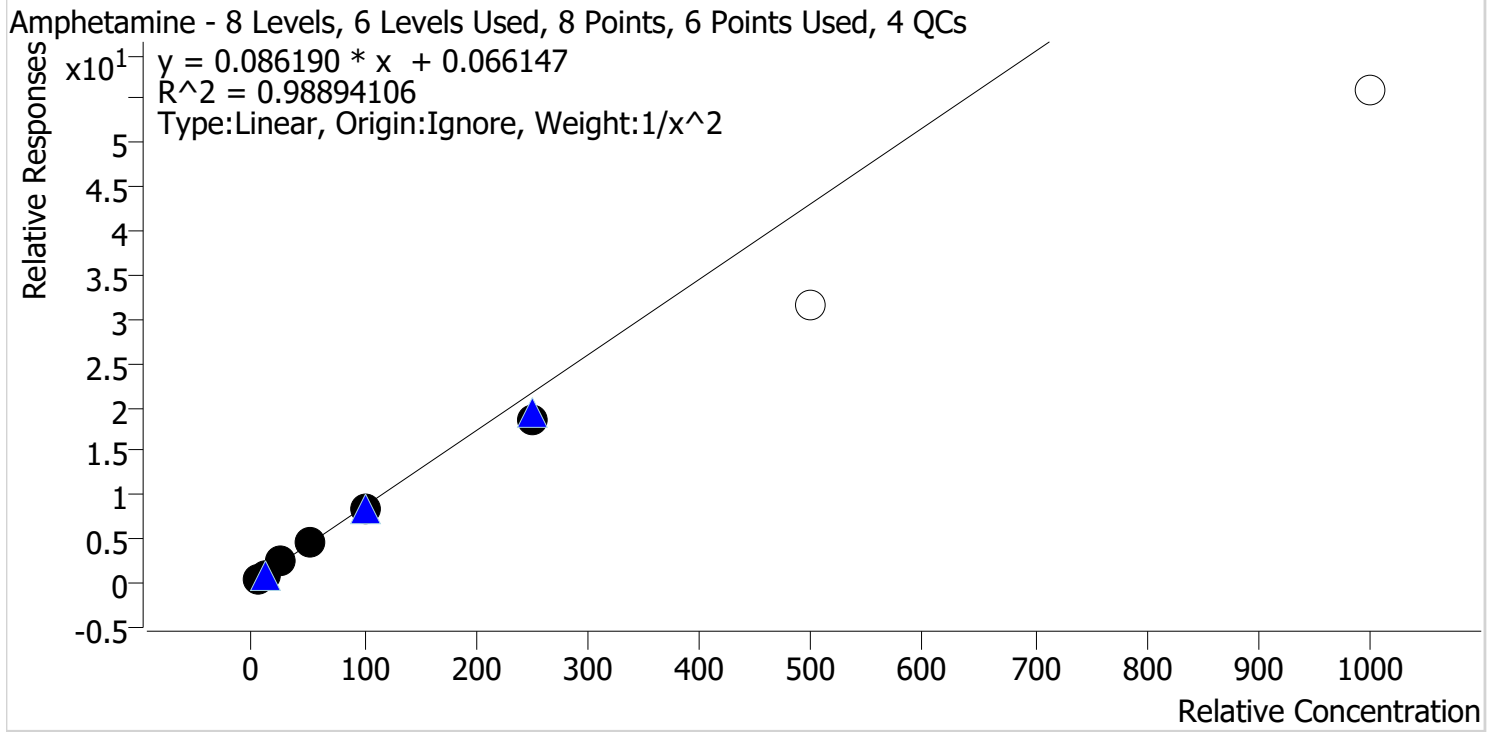


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	50.8	101.7
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	513.7	102.7
p1 Cal 8-1000ng	8	✓	1000.0	977.6	97.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 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	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.4
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	214.4	85.7
p1 Cal 7-500ng	7	x	500.0	365.0	73.0
p1 Cal 8-1000ng	8	x	1000.0	648.7	64.9

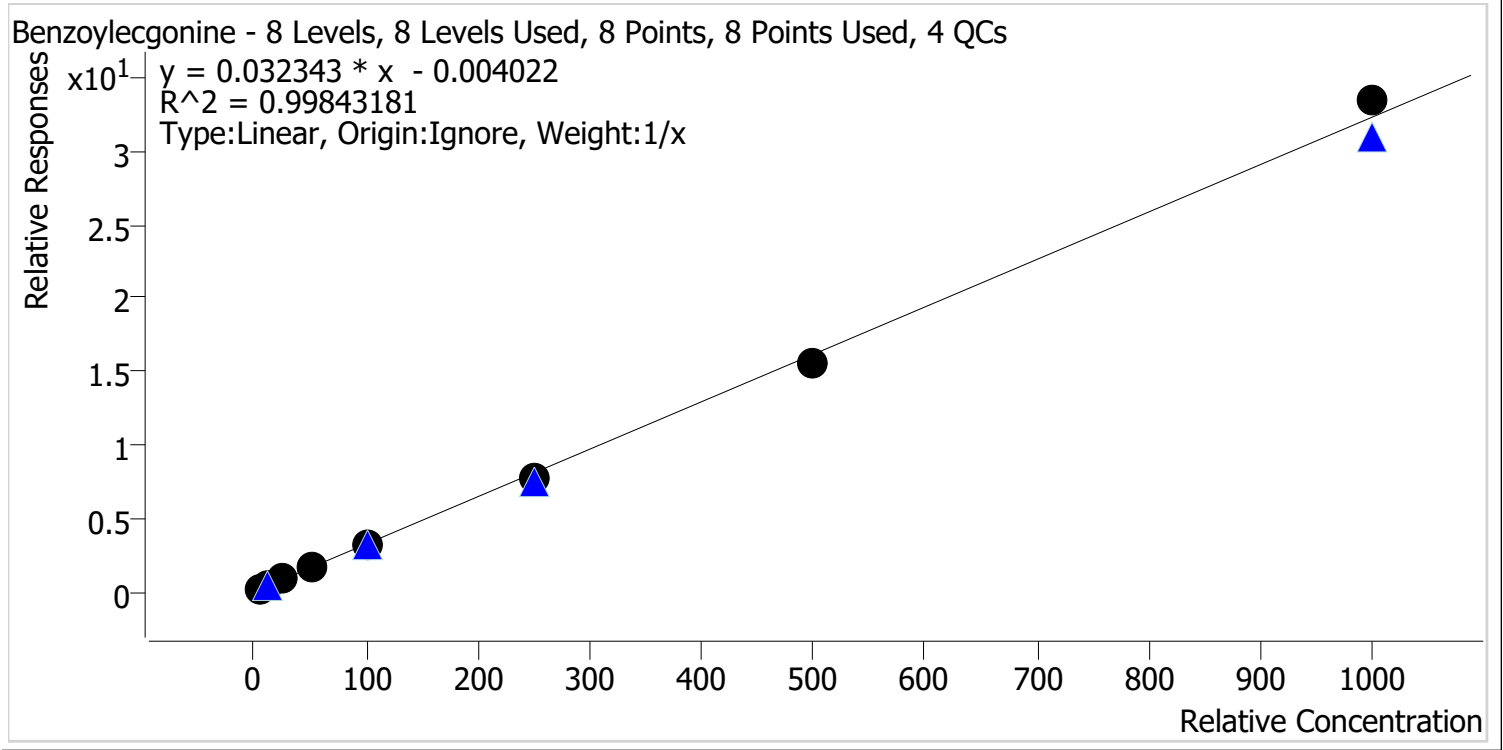
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

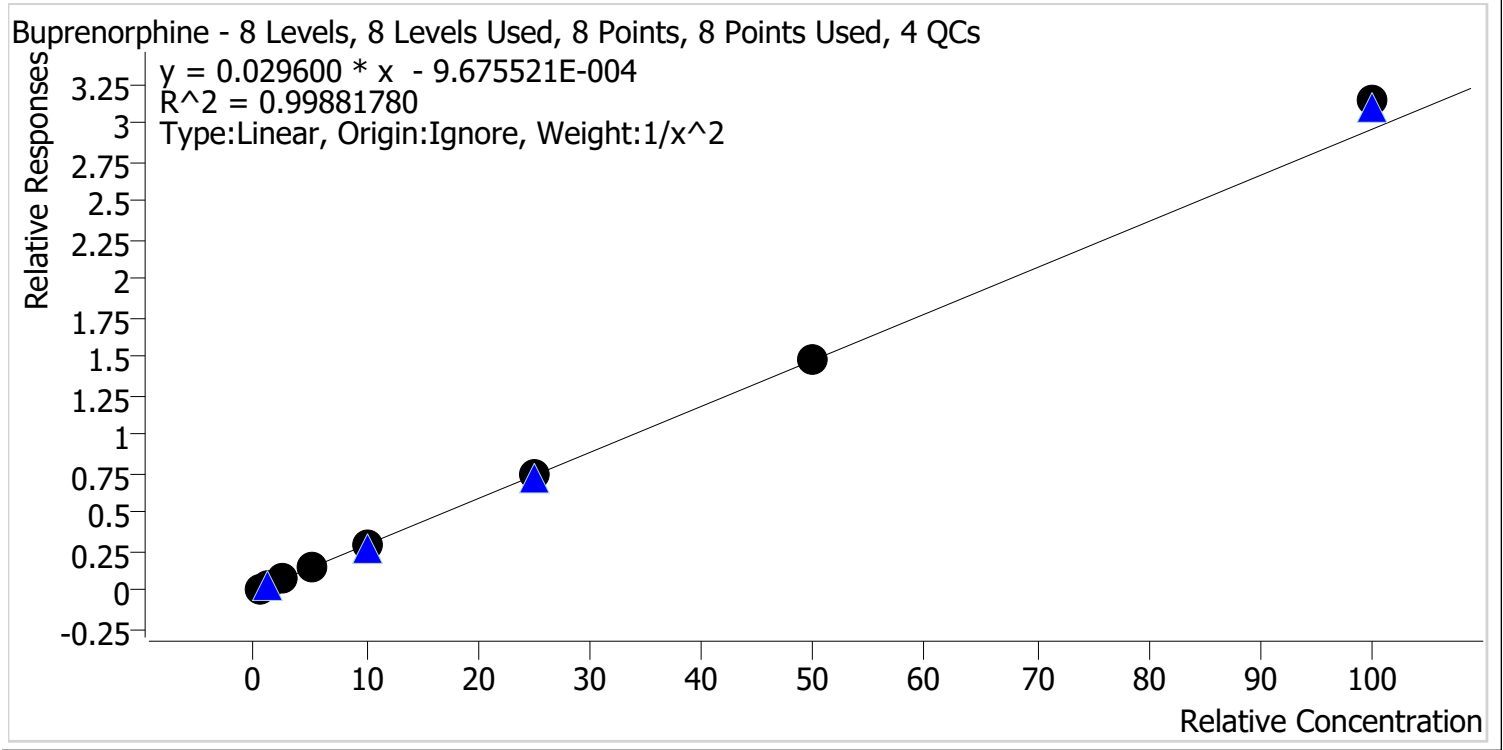


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.9	117.6
p1 Cal 2-10ng	2	✓	10.0	9.4	94.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	239.6	95.8
p1 Cal 7-500ng	7	✓	500.0	480.0	96.0
p1 Cal 8-1000ng	8	✓	1000.0	1034.9	103.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



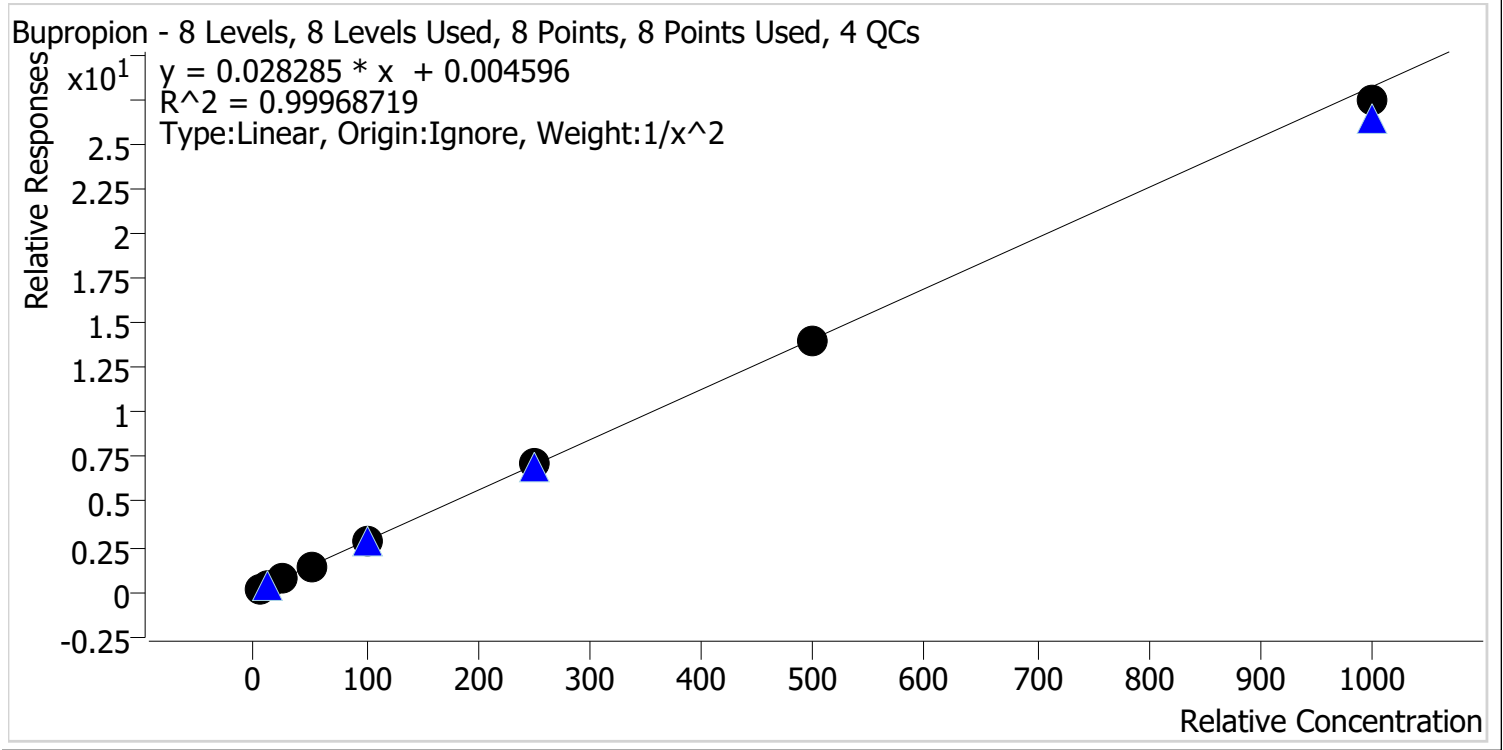
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.1
p1 Cal 2-10ng	2	✓	1.0	1.0	99.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.4
p1 Cal 4-50ng	4	✓	5.0	4.9	98.1
p1 Cal 5-100ng	5	✓	10.0	9.8	97.6
p1 Cal 6-250ng	6	✓	25.0	25.0	100.0
p1 Cal 7-500ng	7	✓	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✓	100.0	106.2	106.2

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



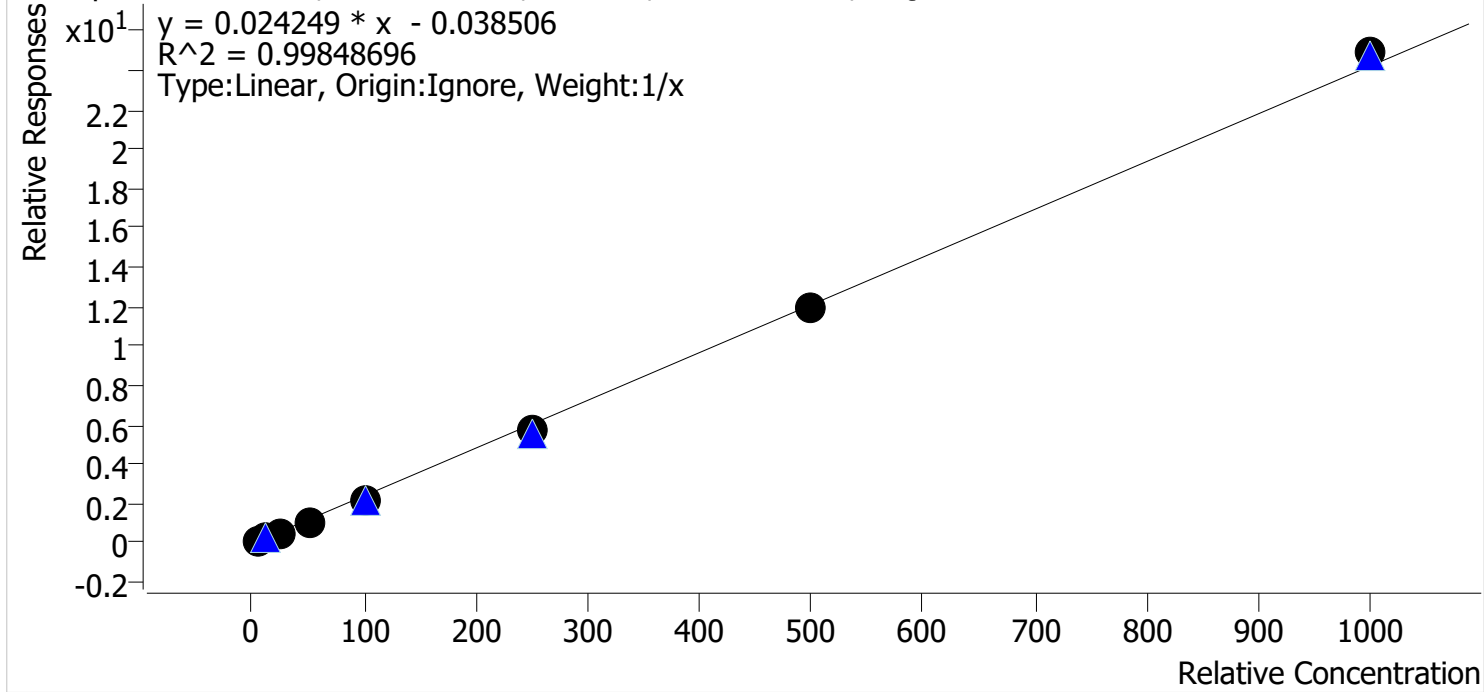
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	251.6	100.7
p1 Cal 7-500ng	7	✓	500.0	495.4	99.1
p1 Cal 8-1000ng	8	✓	1000.0	972.3	97.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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

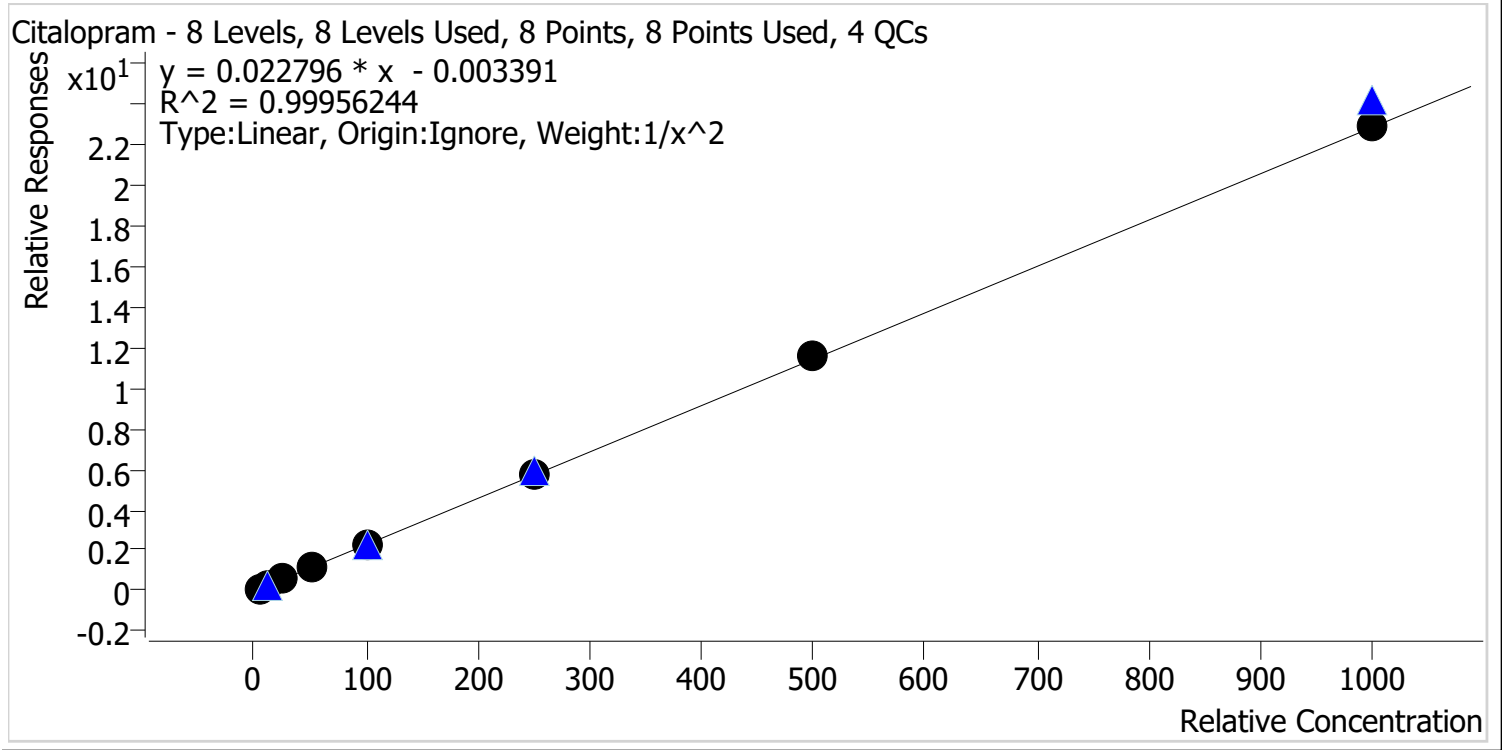


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.0	119.6
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	46.9	93.7
p1 Cal 5-100ng	5	✓	100.0	92.2	92.2
p1 Cal 6-250ng	6	✓	250.0	236.2	94.5
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1028.2	102.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

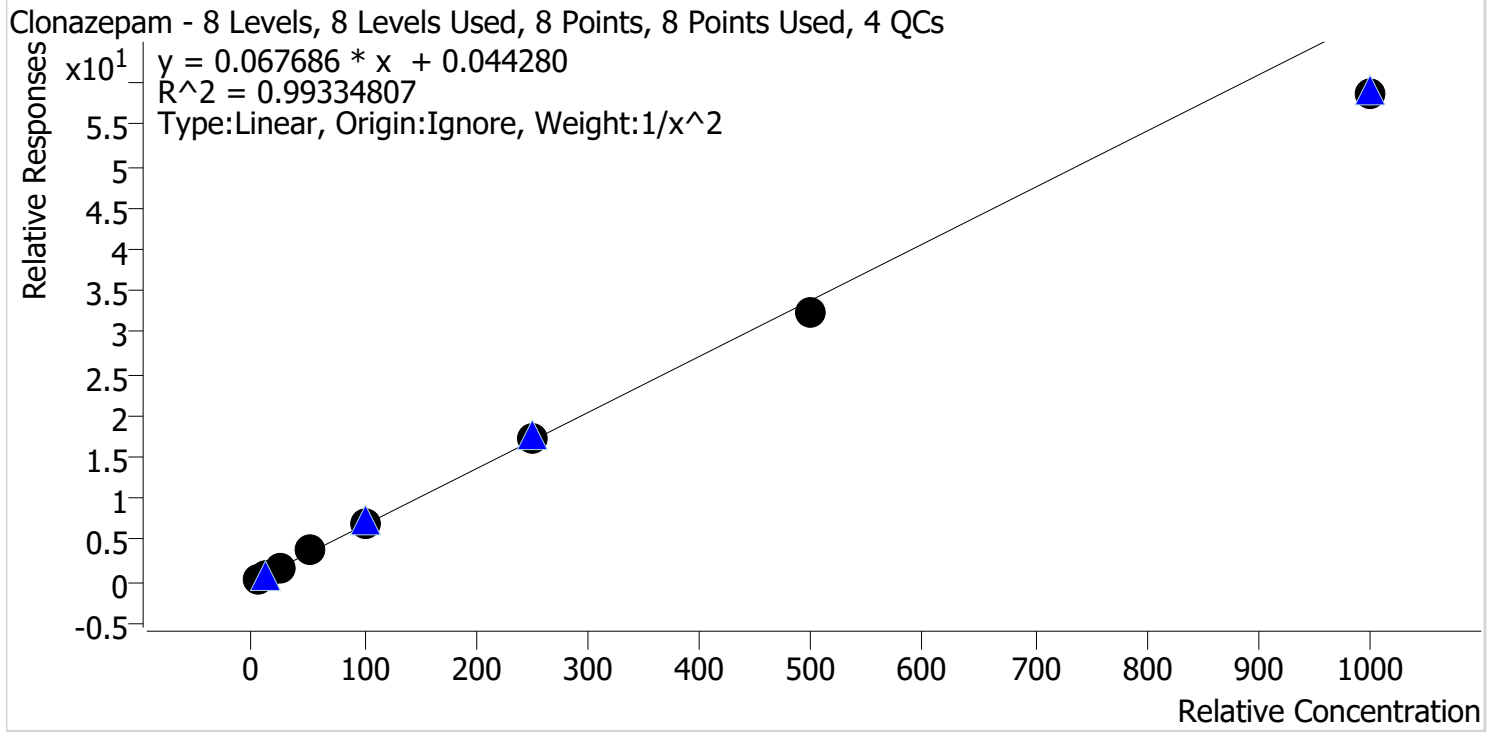


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	255.4	102.1
p1 Cal 7-500ng	7	✓	500.0	510.7	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1006.3	100.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



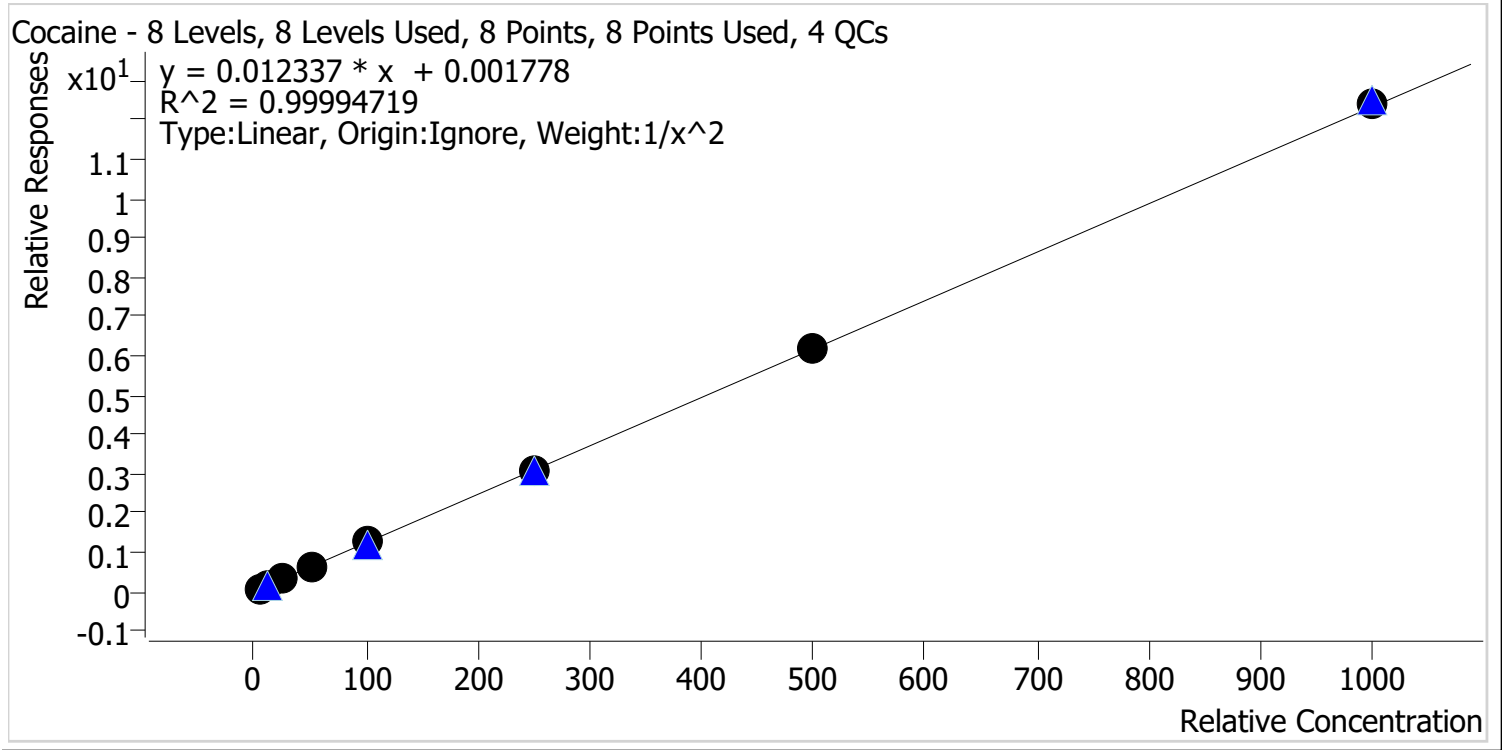
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.3
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	475.4	95.1
p1 Cal 8-1000ng	8	✓	1000.0	864.1	86.4

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 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	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	499.2	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1007.7	100.8

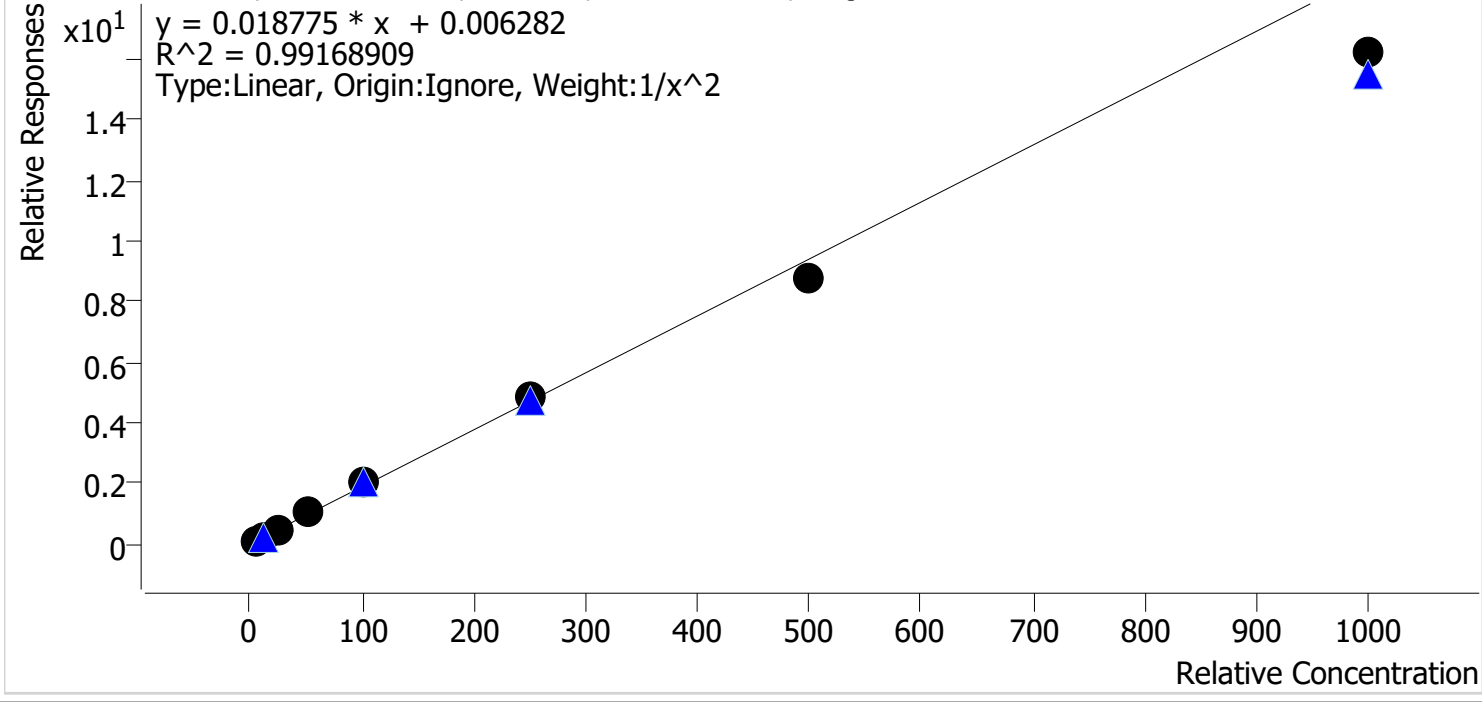
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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

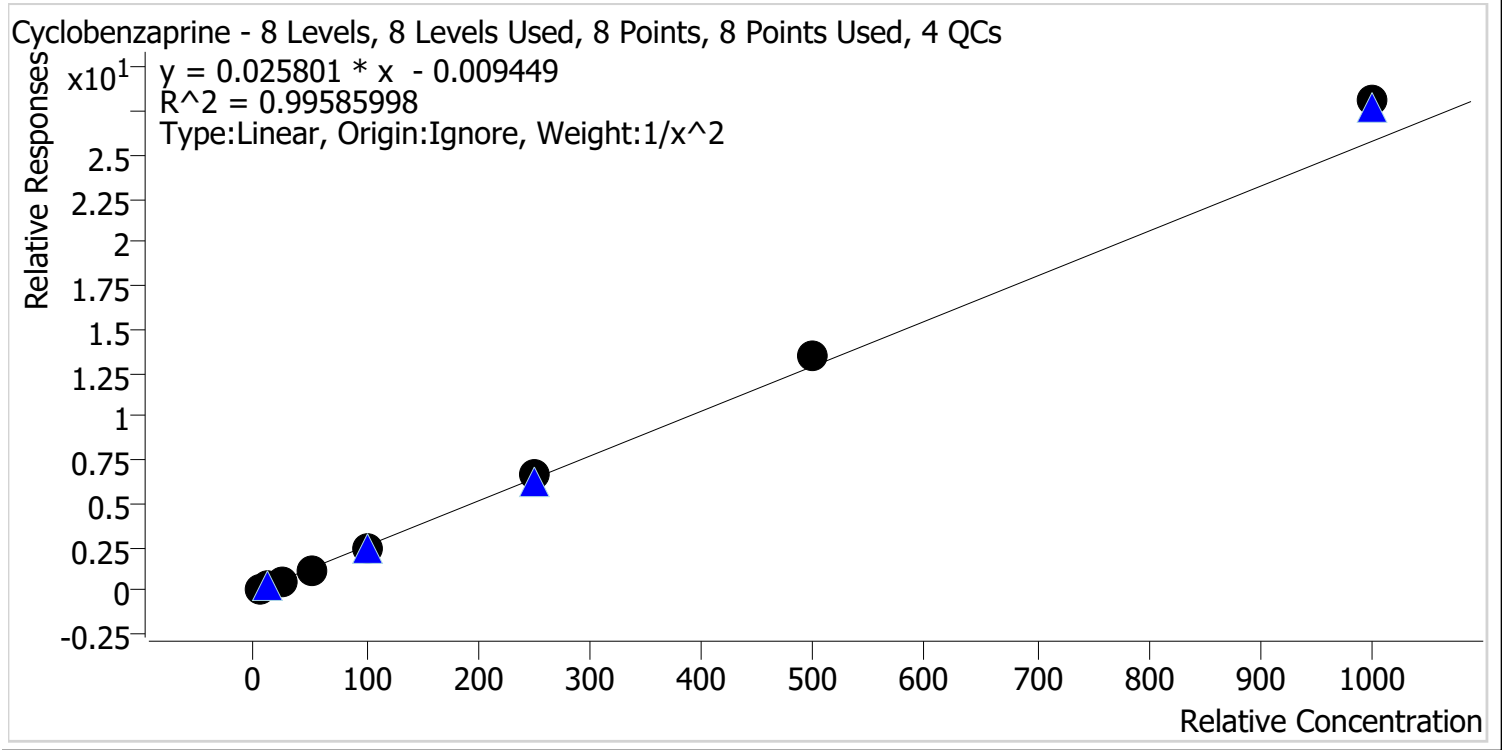


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	9.4	94.4
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.4
p1 Cal 4-50ng	4	✓	50.0	54.4	108.9
p1 Cal 5-100ng	5	✓	100.0	107.5	107.5
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	468.6	93.7
p1 Cal 8-1000ng	8	✓	1000.0	862.6	86.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

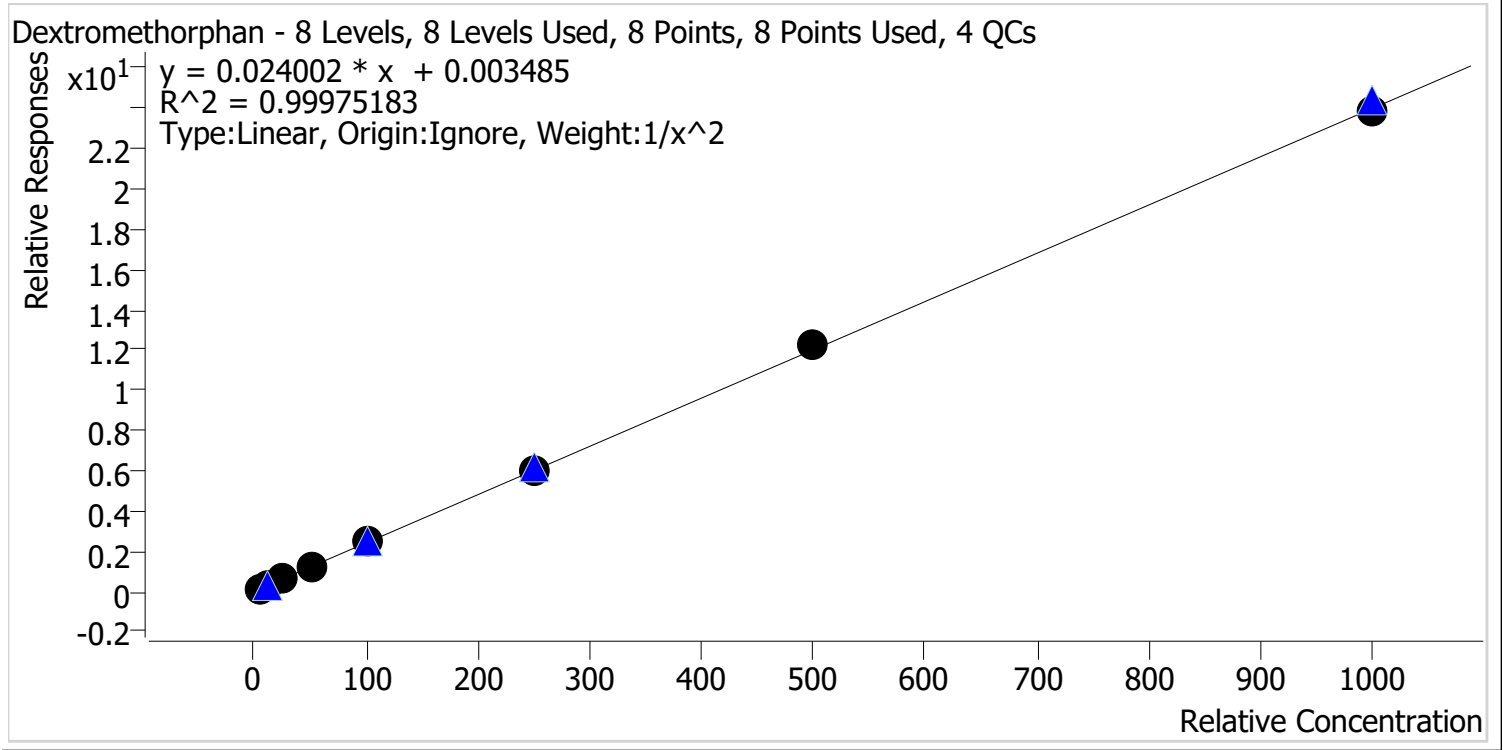


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.4
p1 Cal 4-50ng	4	✓	50.0	47.2	94.4
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	256.6	102.6
p1 Cal 7-500ng	7	✓	500.0	520.6	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1090.4	109.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

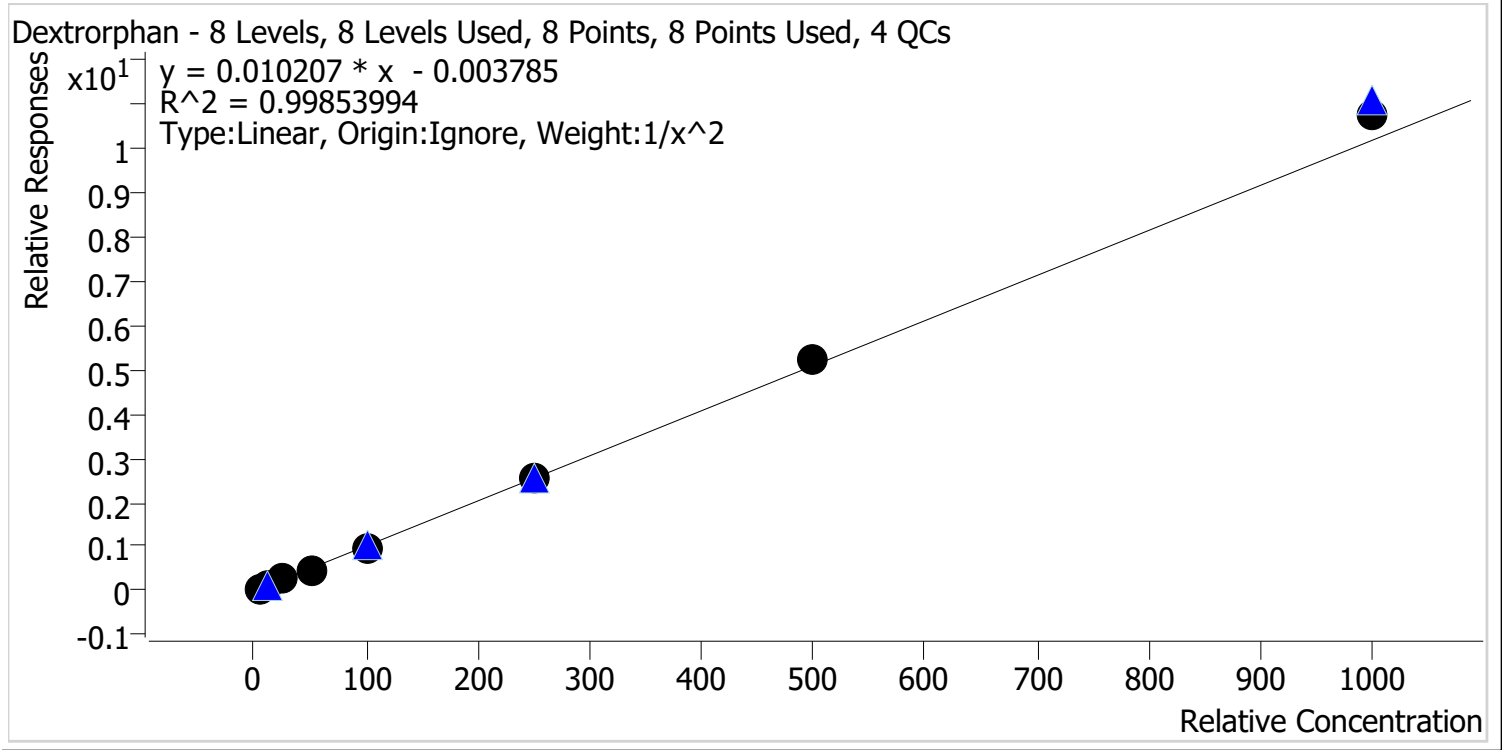


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	510.0	102.0
p1 Cal 8-1000ng	8	✓	1000.0	995.6	99.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3



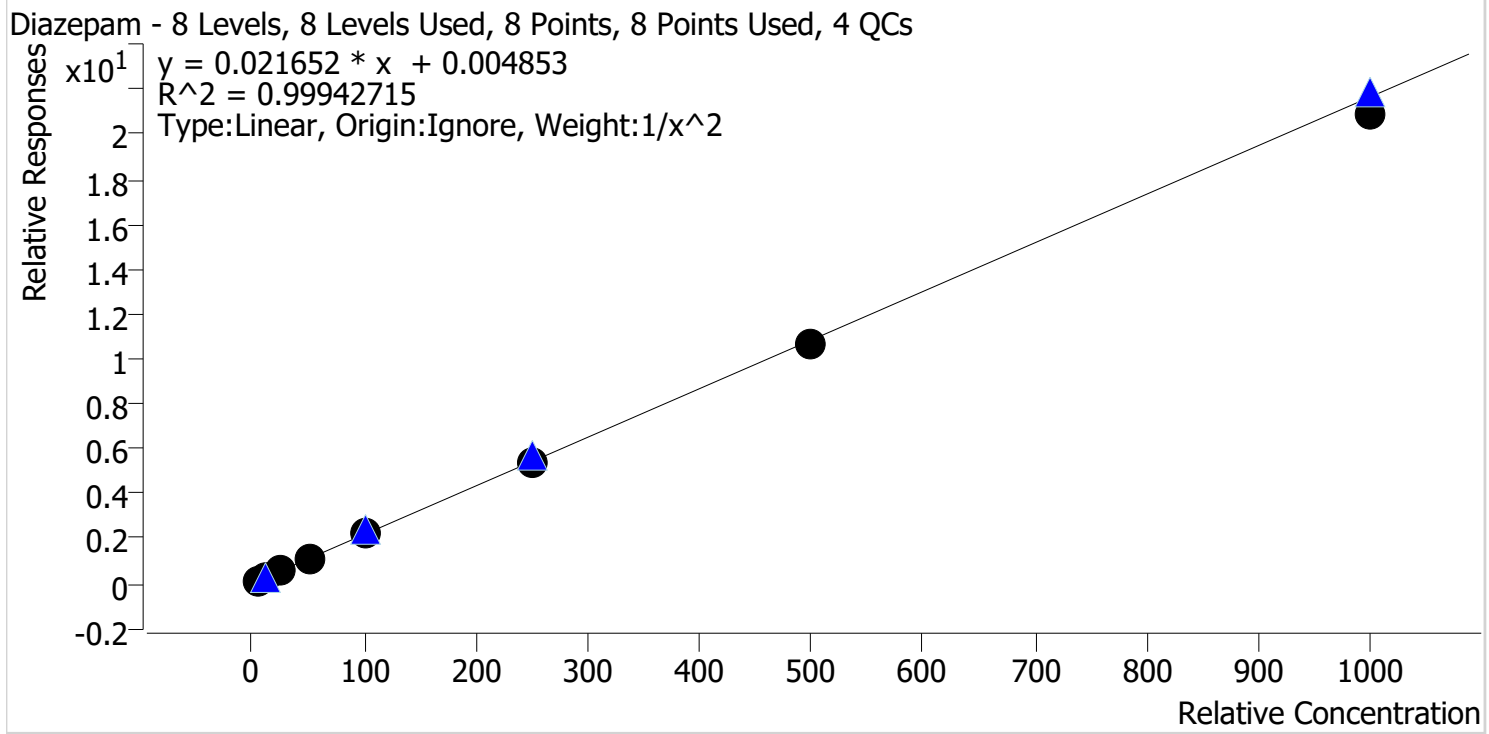
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	515.4	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1058.9	105.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



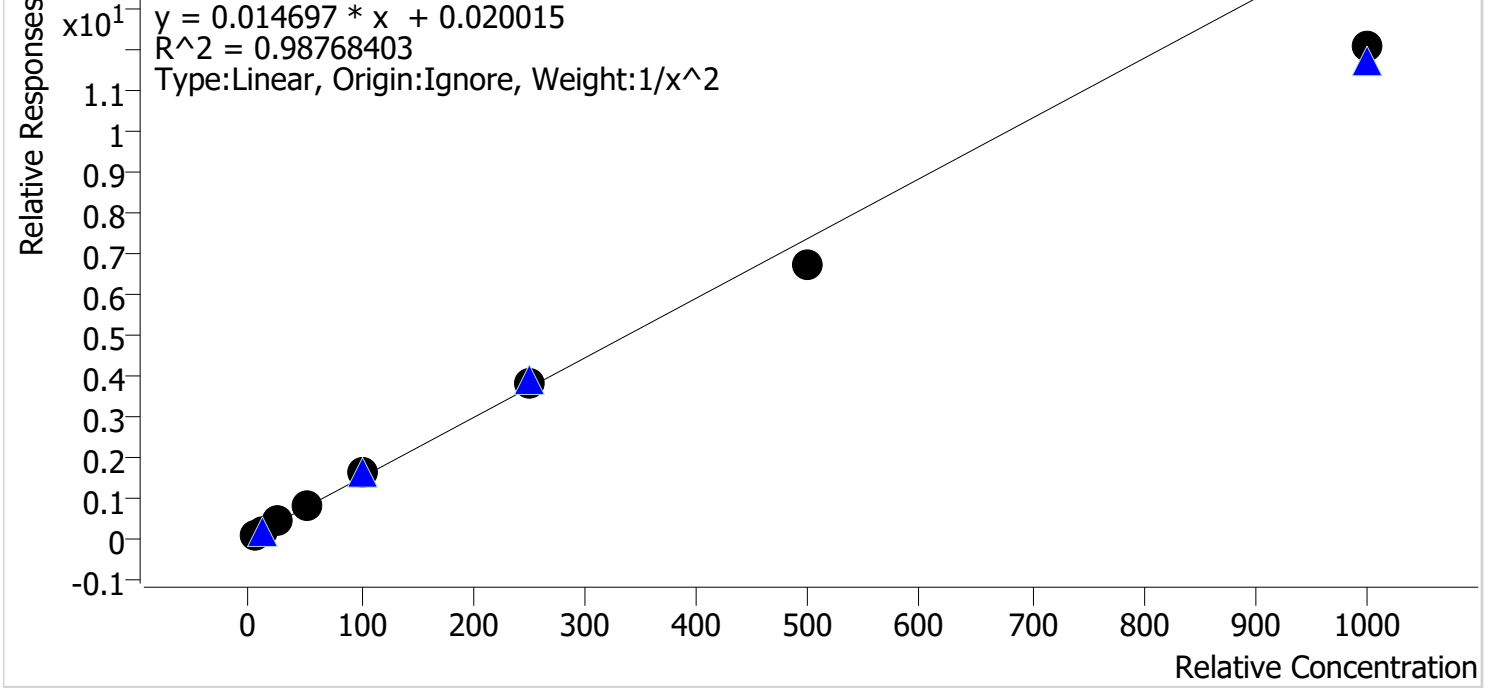
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	964.9	96.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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

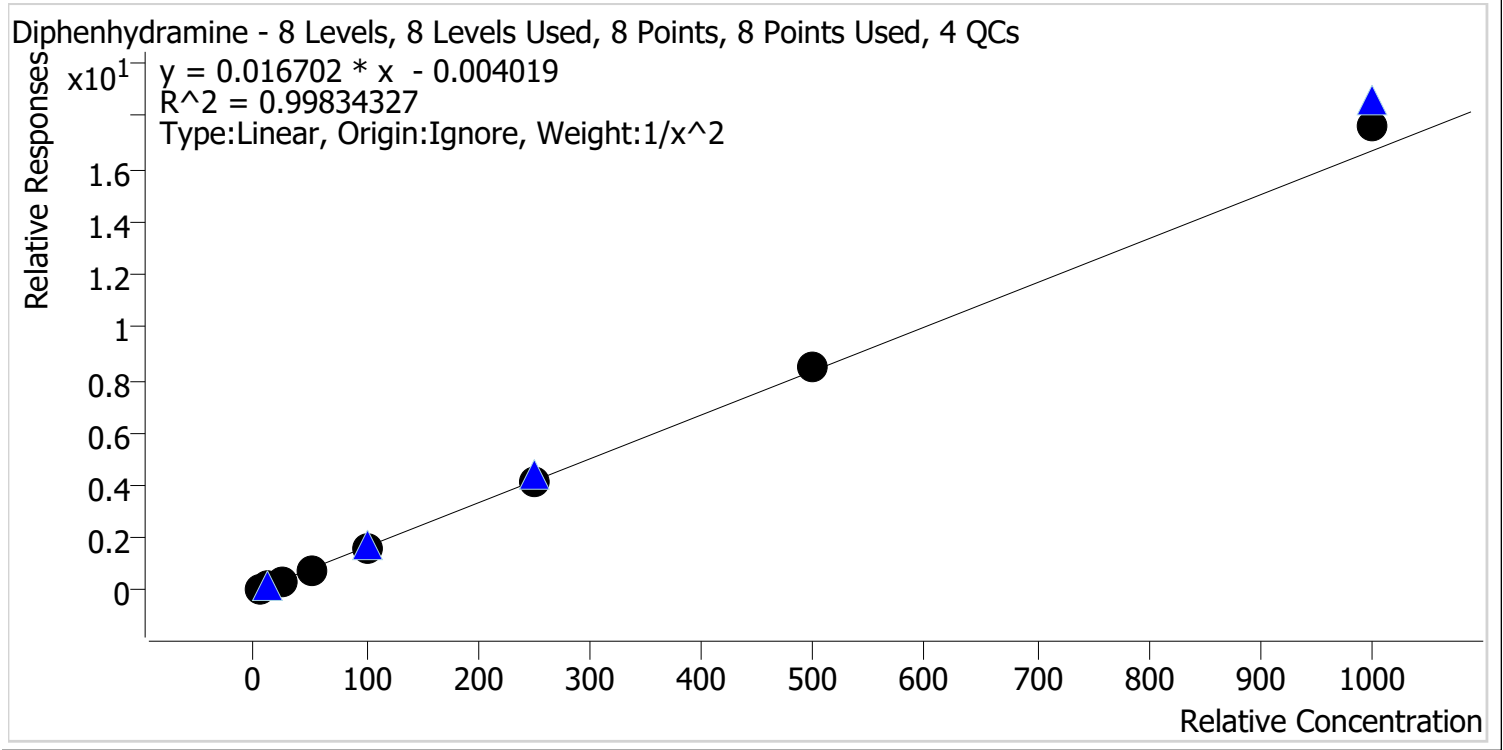


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.8
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	109.0	109.0
p1 Cal 6-250ng	6	✓	250.0	256.9	102.7
p1 Cal 7-500ng	7	✓	500.0	455.8	91.2
p1 Cal 8-1000ng	8	✓	1000.0	819.9	82.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3



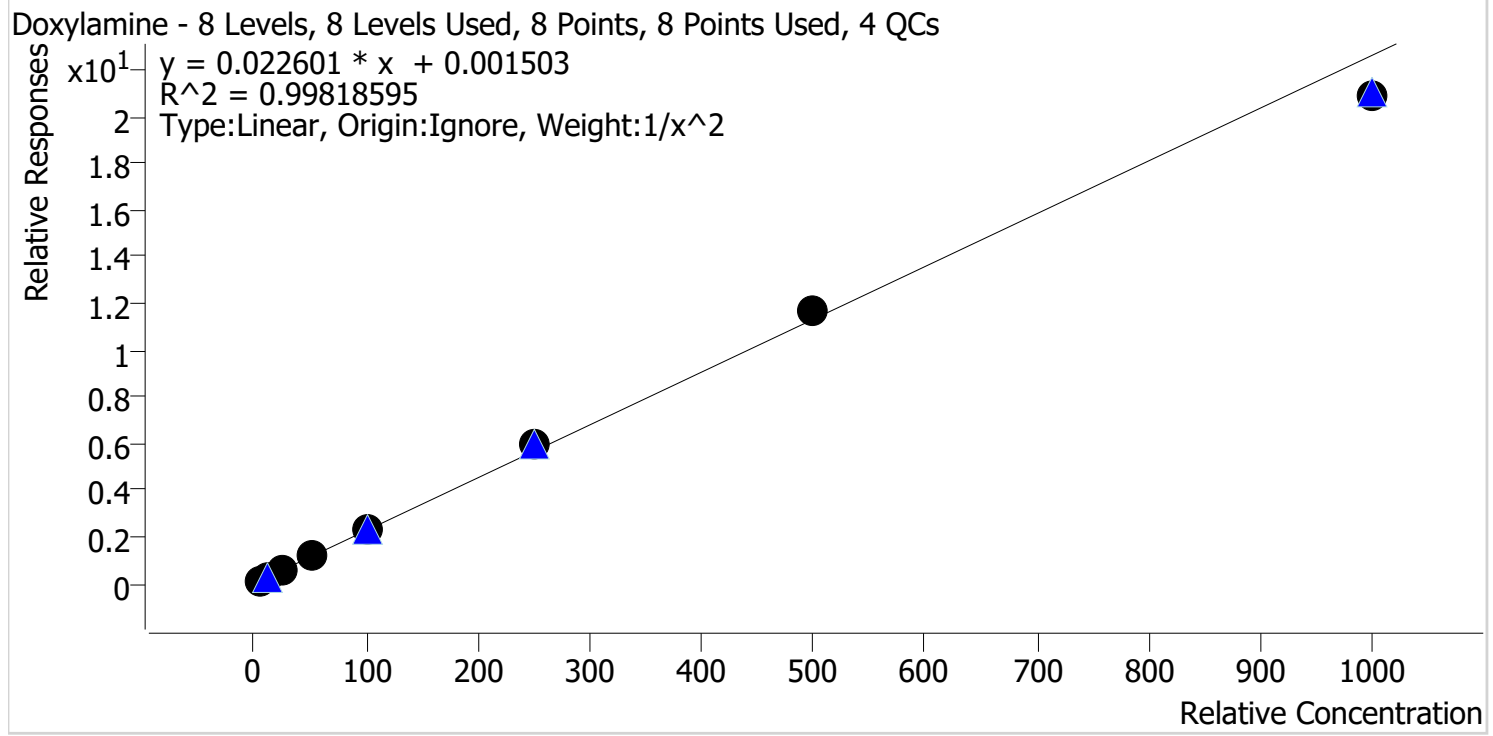
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	512.3	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1059.7	106.0

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

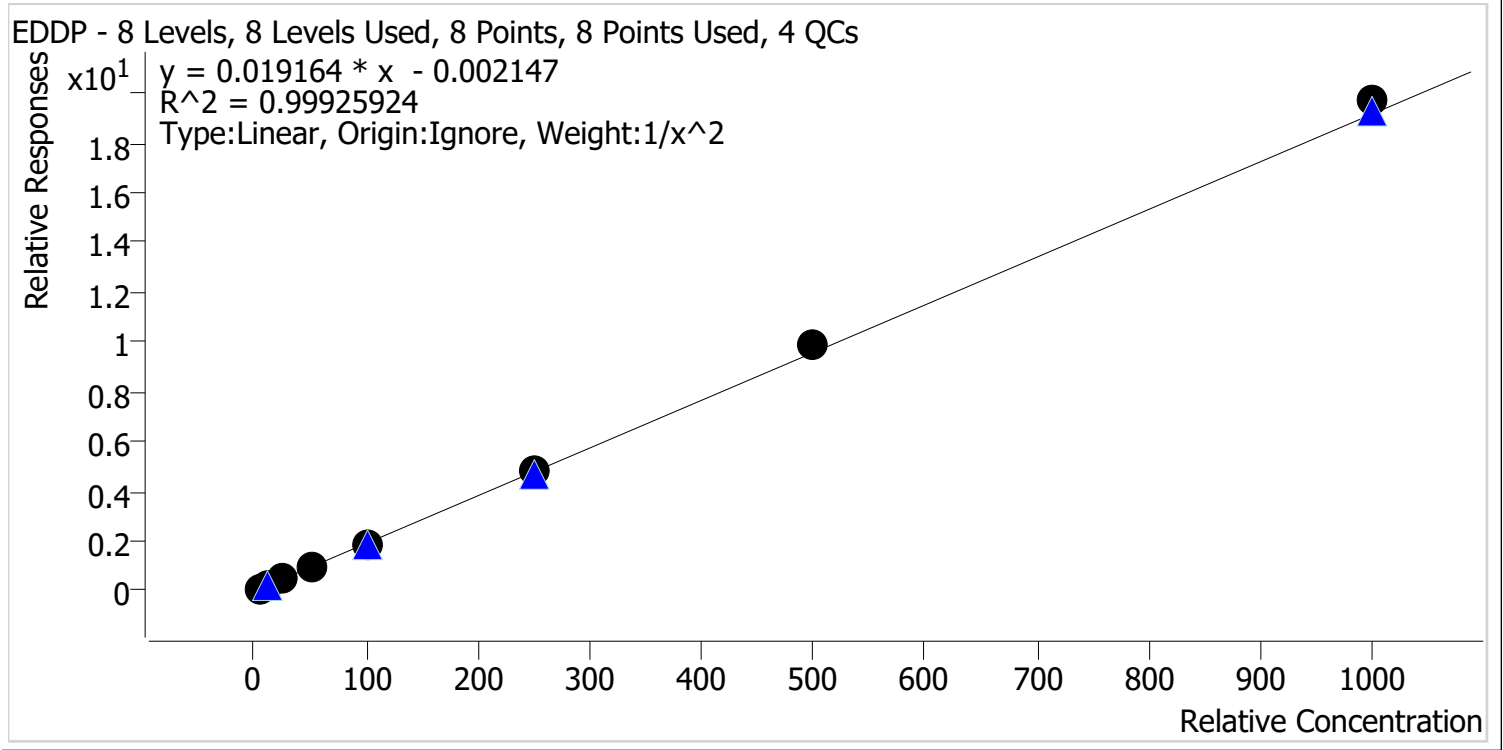


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	261.5	104.6
p1 Cal 7-500ng	7	✓	500.0	512.9	102.6
p1 Cal 8-1000ng	8	✓	1000.0	922.5	92.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3



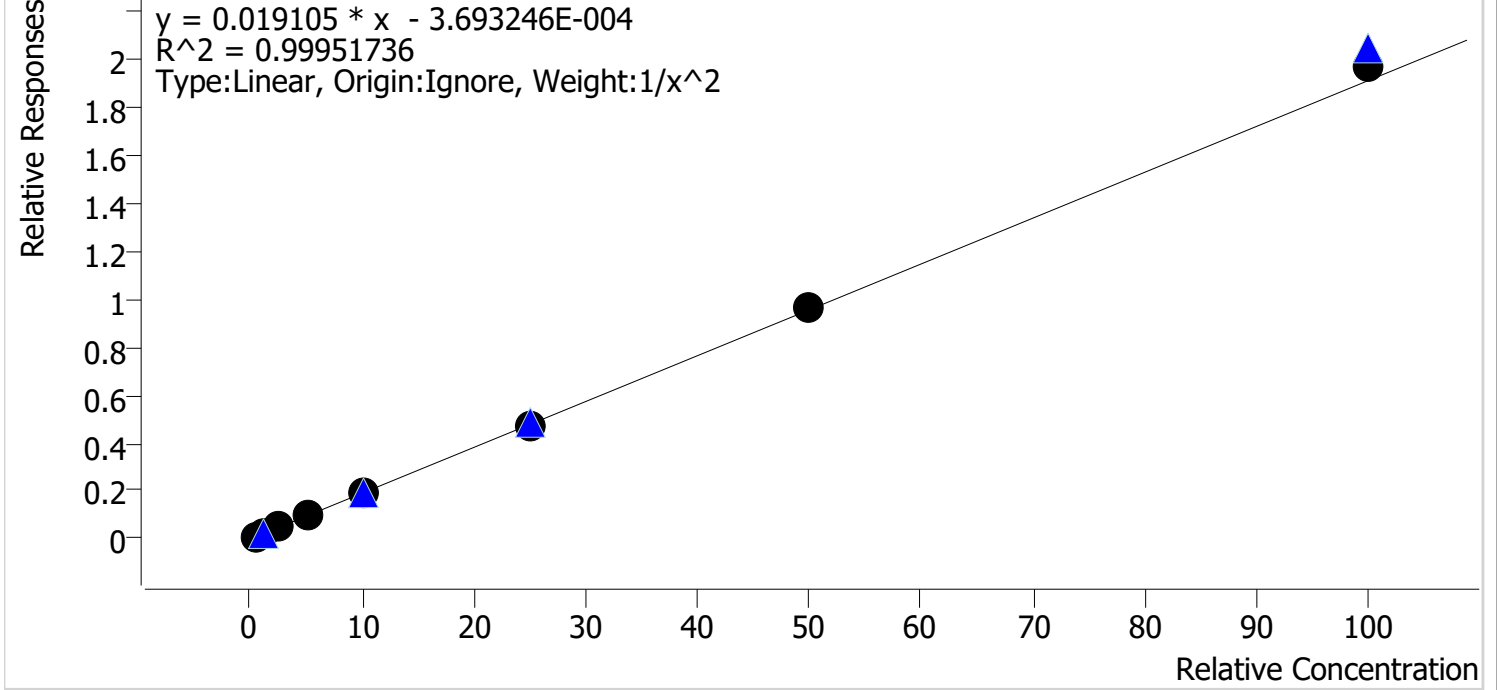
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	514.1	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1028.2	102.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



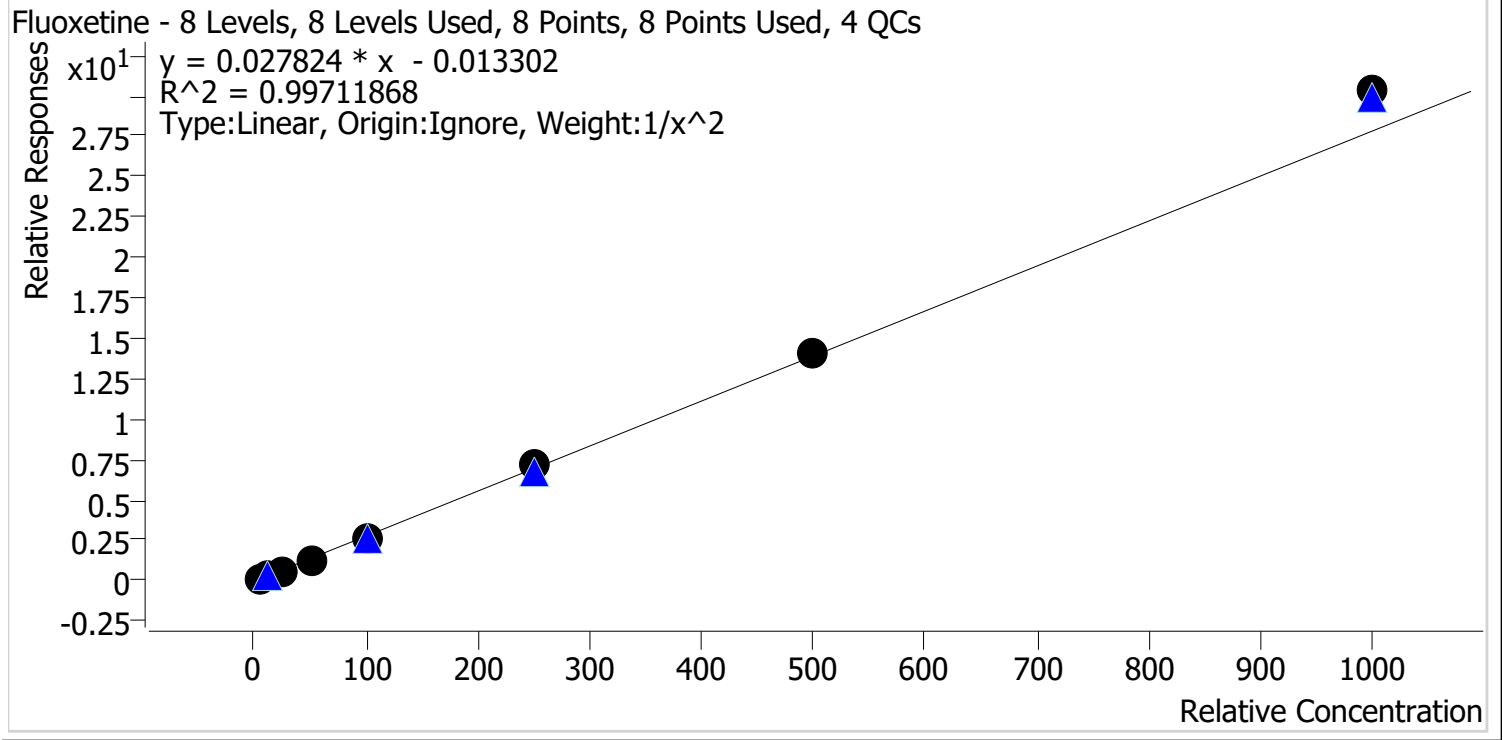
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.9
p1 Cal 2-10ng	2	✓	1.0	1.0	98.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.4
p1 Cal 4-50ng	4	✓	5.0	4.9	97.5
p1 Cal 5-100ng	5	✓	10.0	9.9	99.4
p1 Cal 6-250ng	6	✓	25.0	24.7	98.6
p1 Cal 7-500ng	7	✓	50.0	50.4	100.9
p1 Cal 8-1000ng	8	✓	100.0	103.1	103.1

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

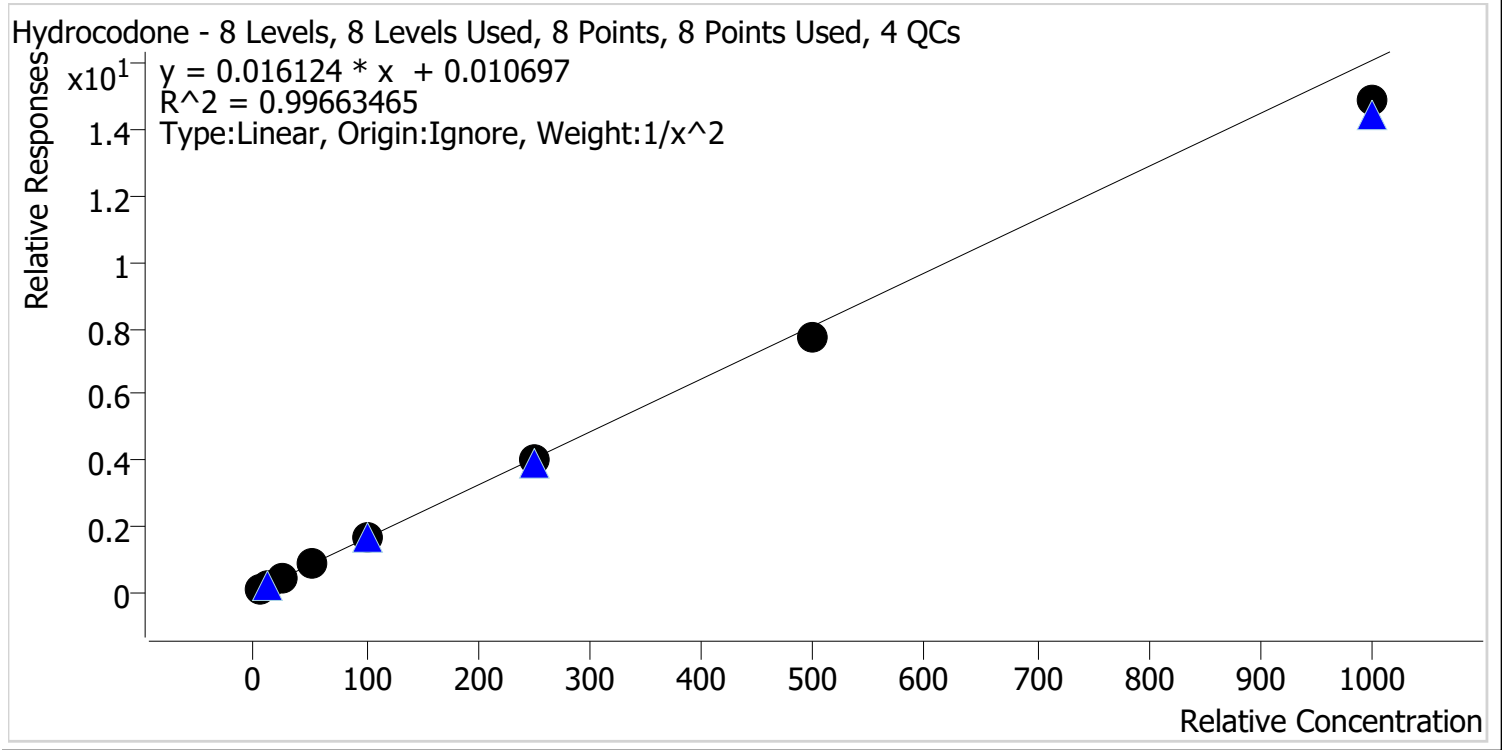


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	47.3	94.6
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	503.7	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1090.0	109.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

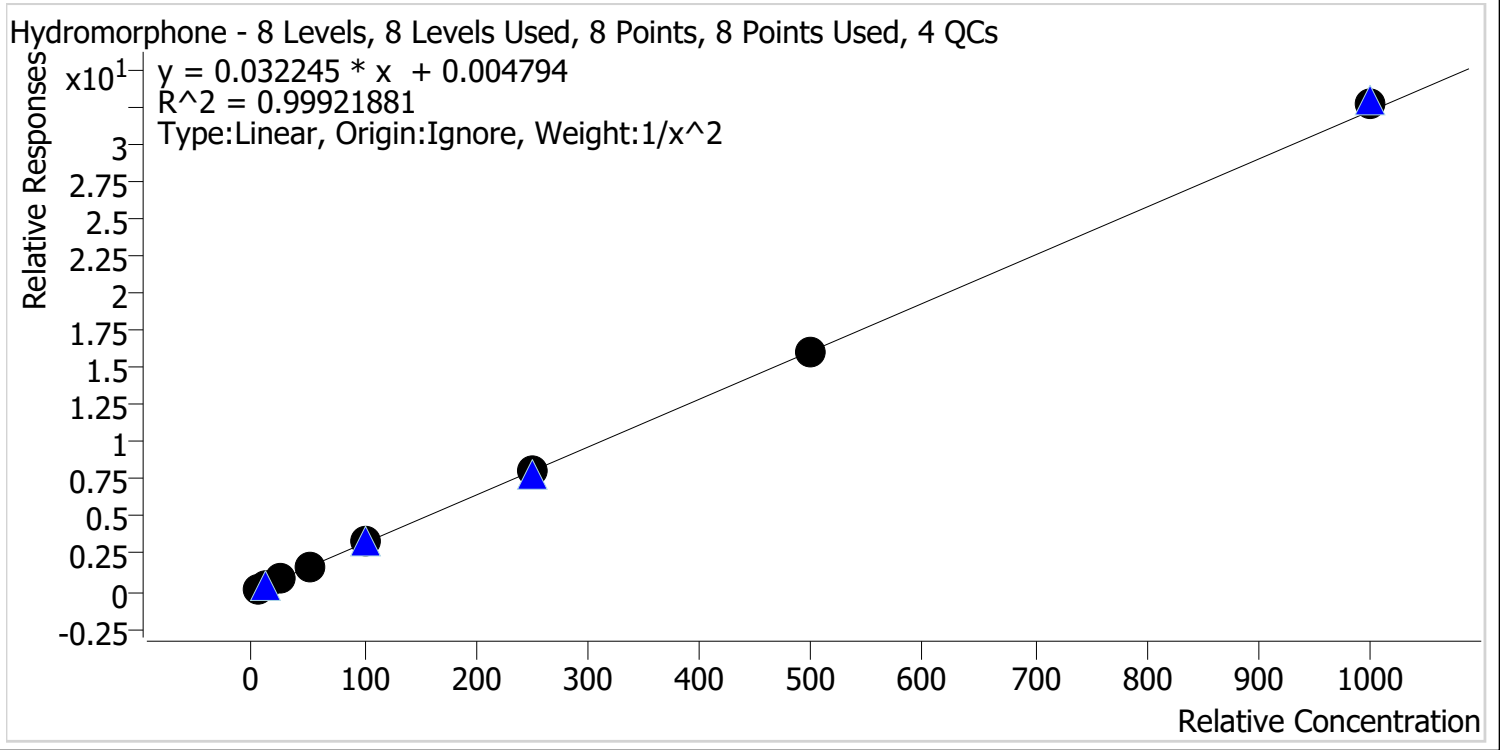


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.5
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	244.6	97.8
p1 Cal 7-500ng	7	✓	500.0	478.4	95.7
p1 Cal 8-1000ng	8	✓	1000.0	924.1	92.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

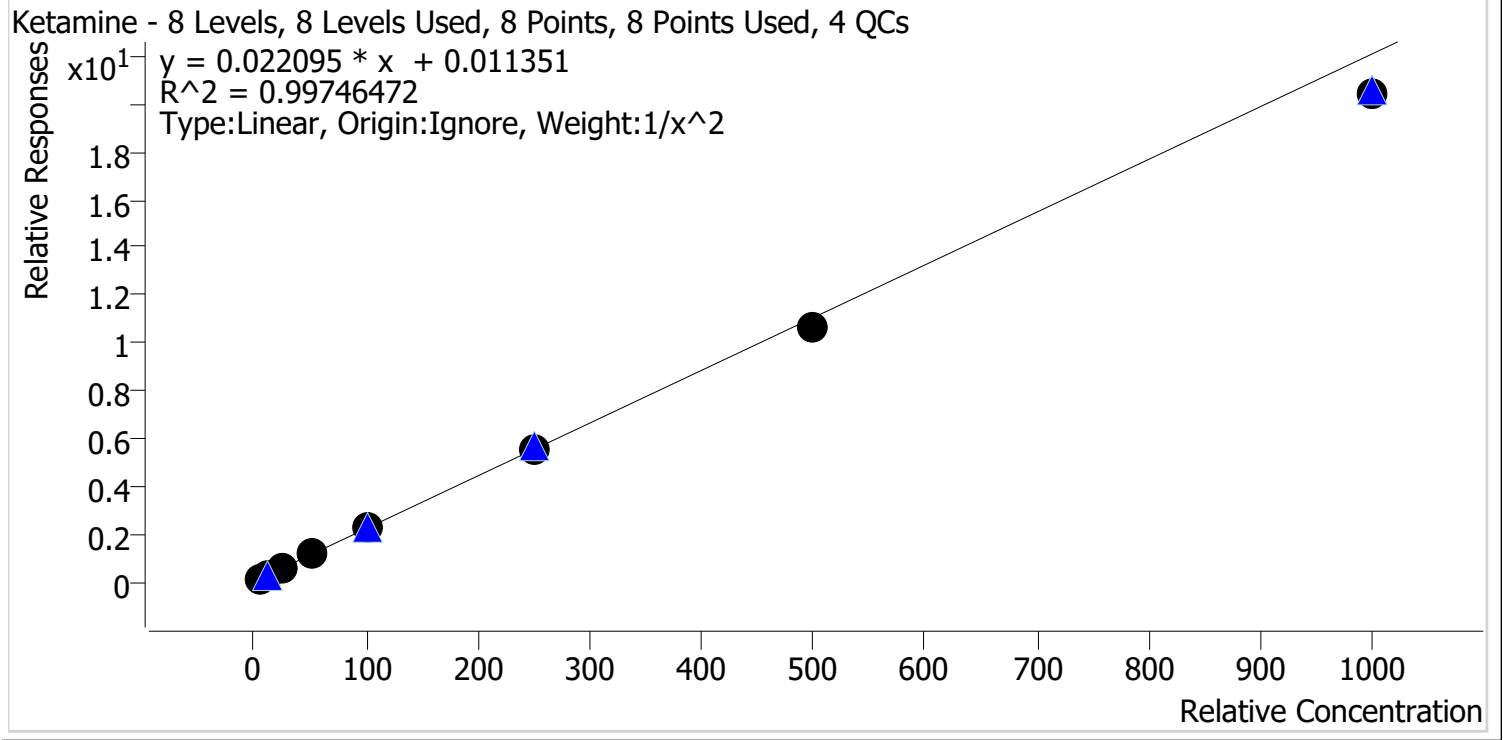


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	247.1	98.9
p1 Cal 7-500ng	7	✓	500.0	494.4	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1017.9	101.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



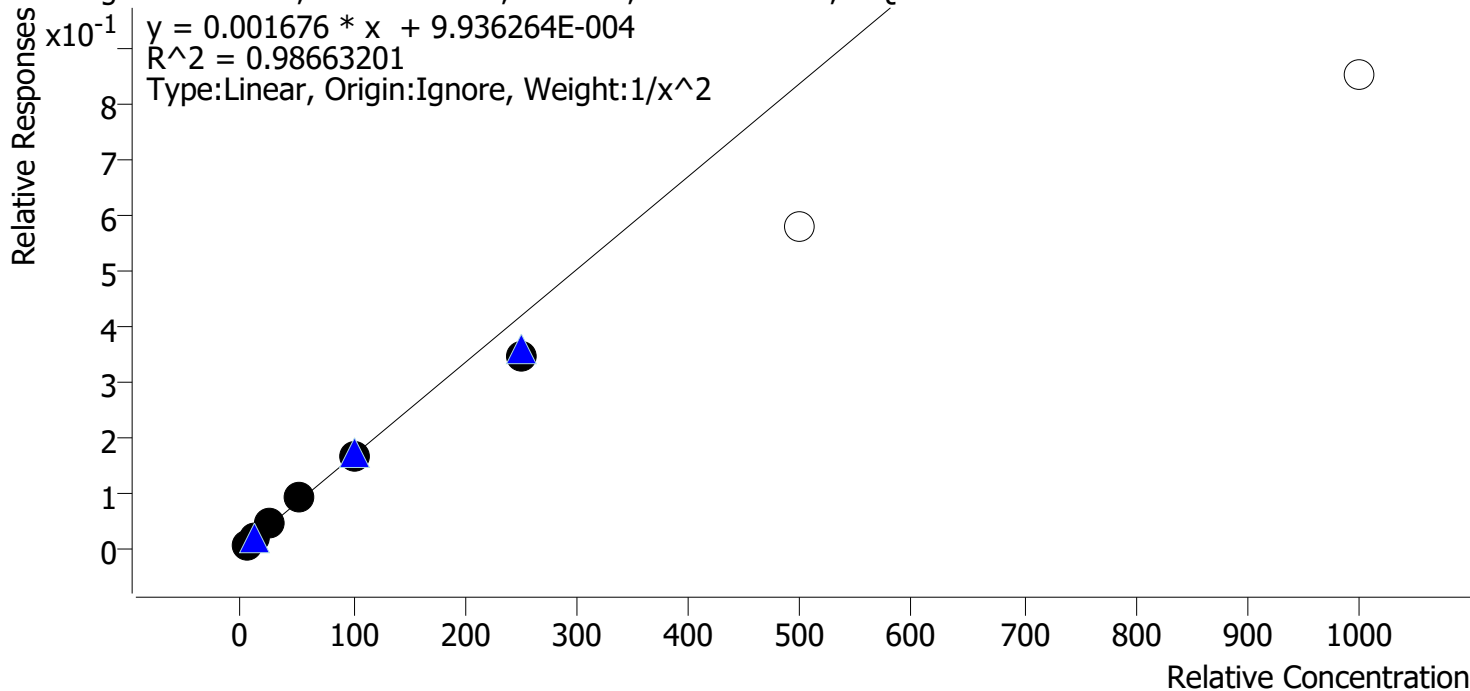
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	53.1	106.1
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	480.4	96.1
p1 Cal 8-1000ng	8	✓	1000.0	922.0	92.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.8
p1 Cal 2-10ng	2	✓	10.0	10.7	107.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	54.1	108.1
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	208.8	83.5
p1 Cal 7-500ng	7	✗	500.0	347.5	69.5
p1 Cal 8-1000ng	8	✗	1000.0	508.1	50.8

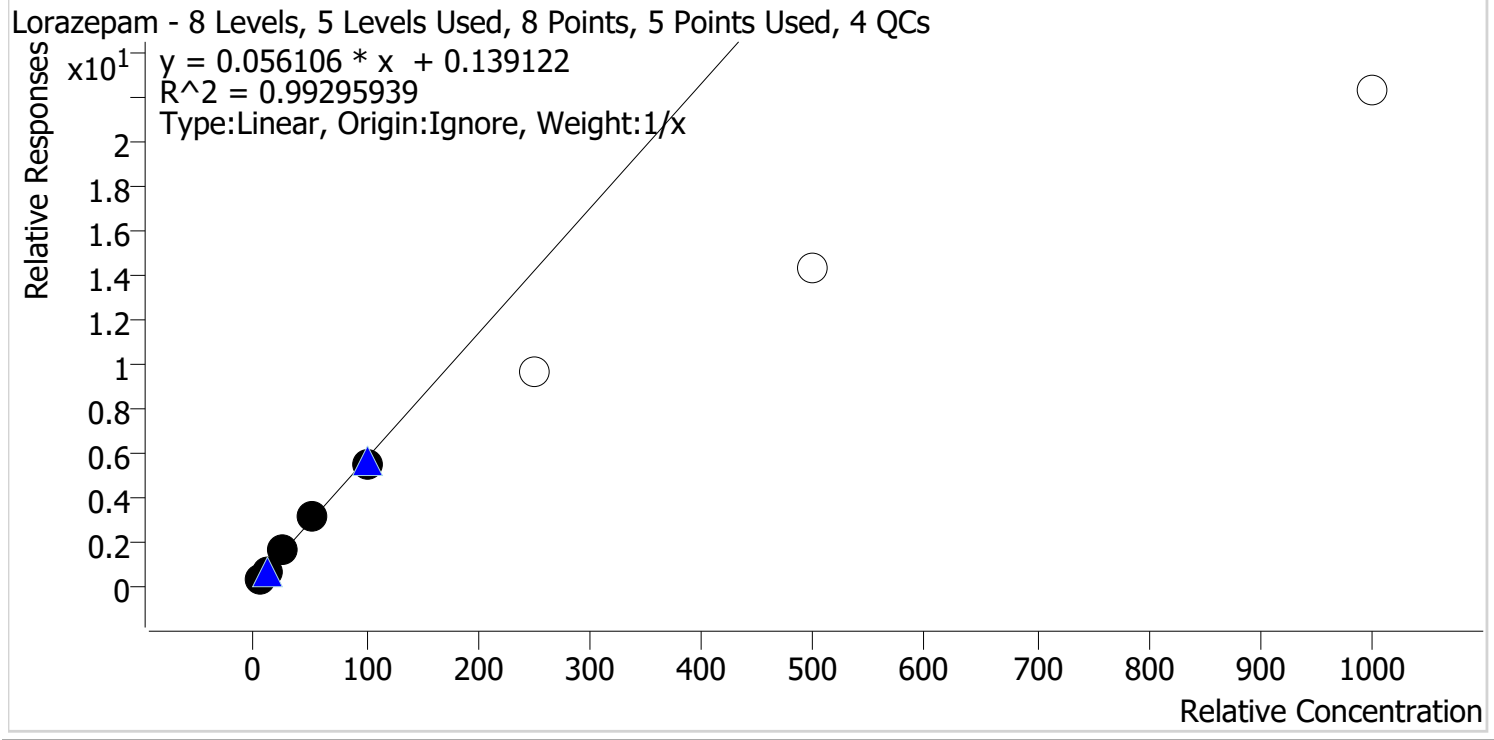
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4



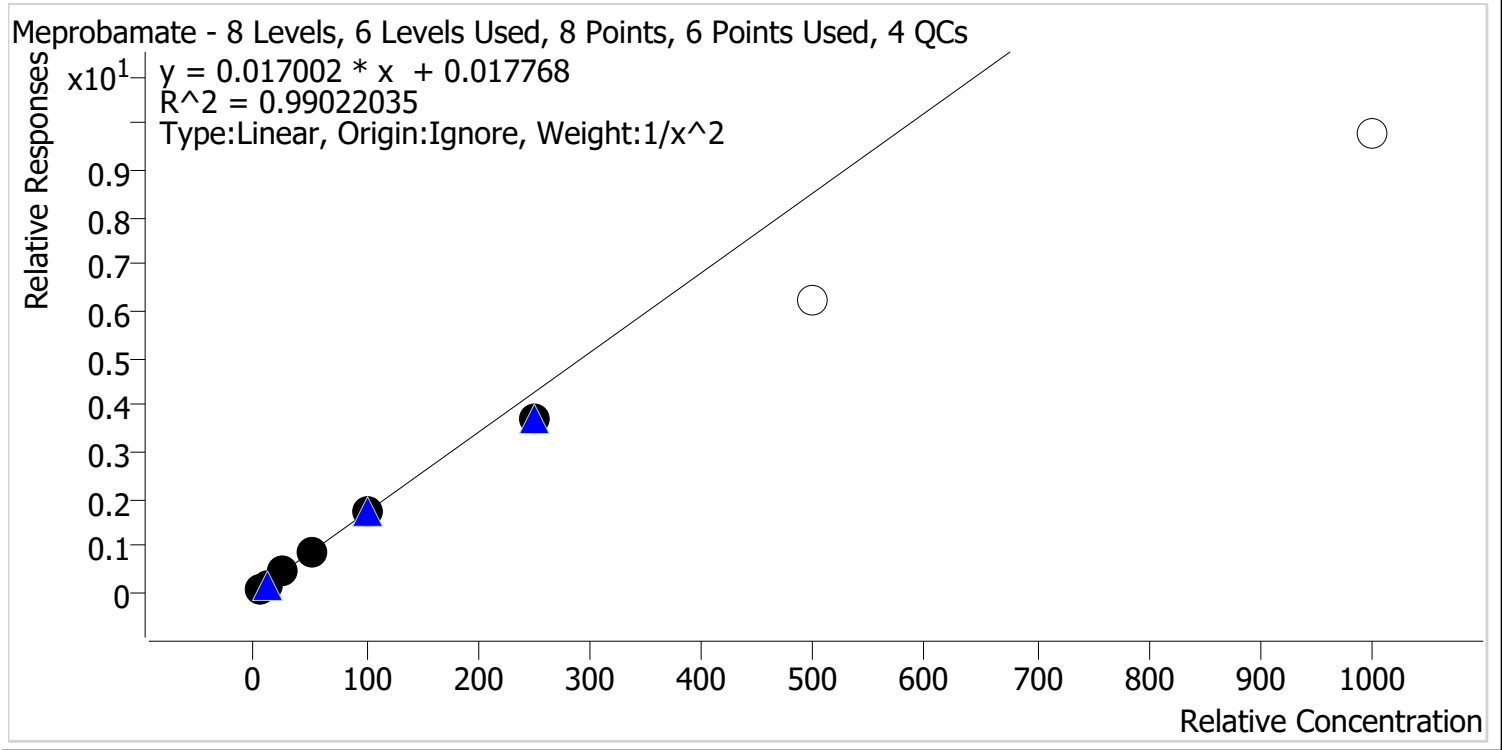
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.3	86.8
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	27.5	109.8
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	94.6	94.6
p1 Cal 6-250ng	6	✗	250.0	171.1	68.5
p1 Cal 7-500ng	7	✗	500.0	254.1	50.8
p1 Cal 8-1000ng	8	✗	1000.0	394.2	39.4

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\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 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	95.0
p1 Cal 2-10ng	2	✓	10.0	10.7	107.1
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	215.1	86.0
p1 Cal 7-500ng	7	x	500.0	365.2	73.0
p1 Cal 8-1000ng	8	x	1000.0	573.6	57.4

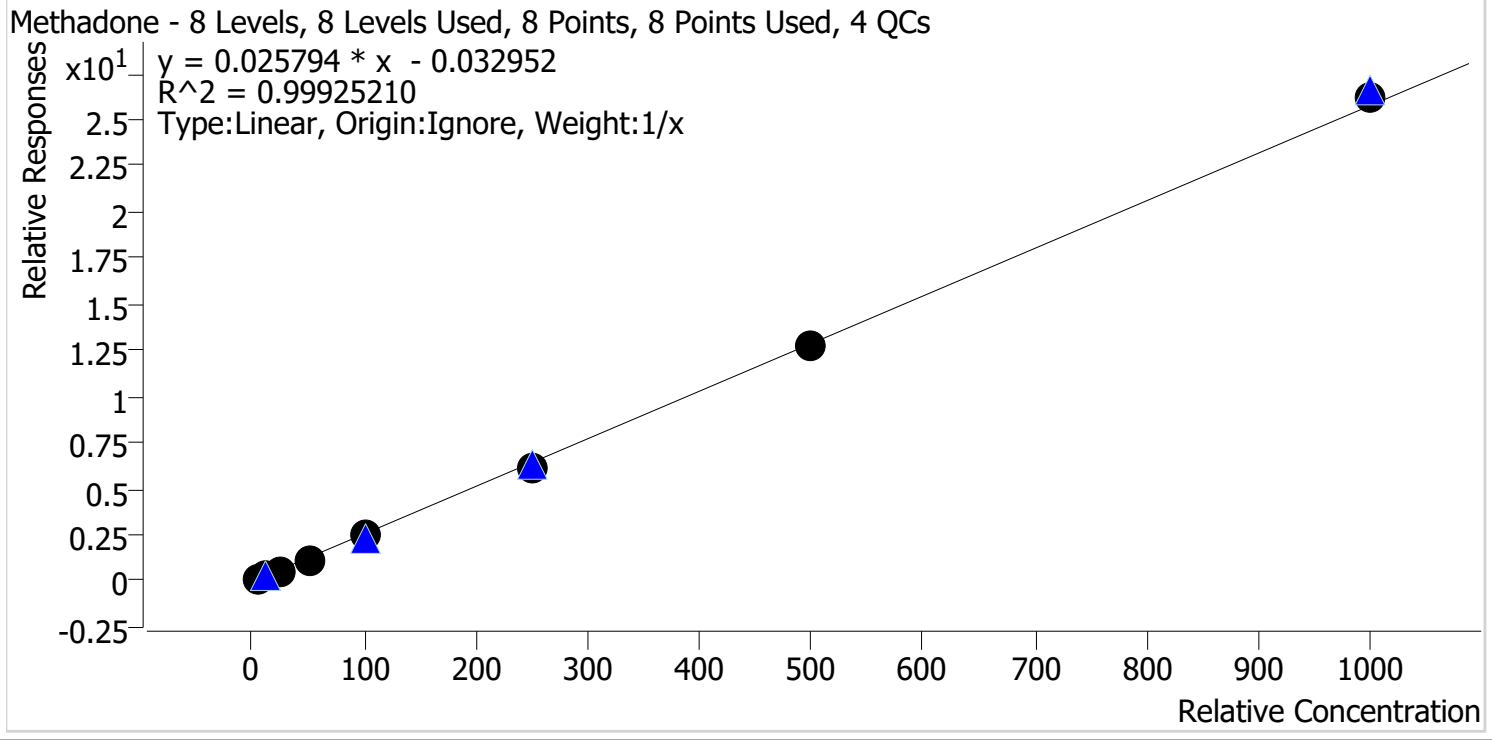
Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9



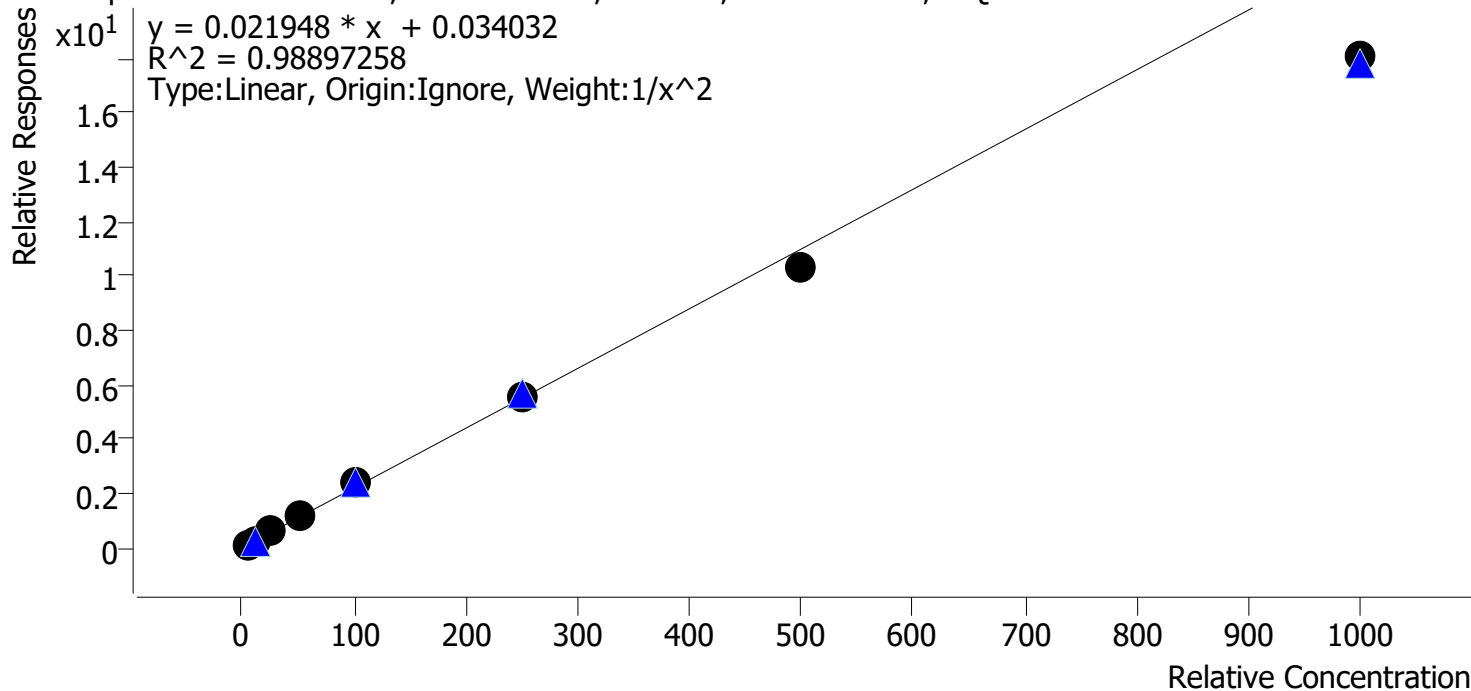
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.9	117.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.6
p1 Cal 4-50ng	4	✓	50.0	47.1	94.2
p1 Cal 5-100ng	5	✓	100.0	94.5	94.5
p1 Cal 6-250ng	6	✓	250.0	241.5	96.6
p1 Cal 7-500ng	7	✓	500.0	499.0	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1018.3	101.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

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



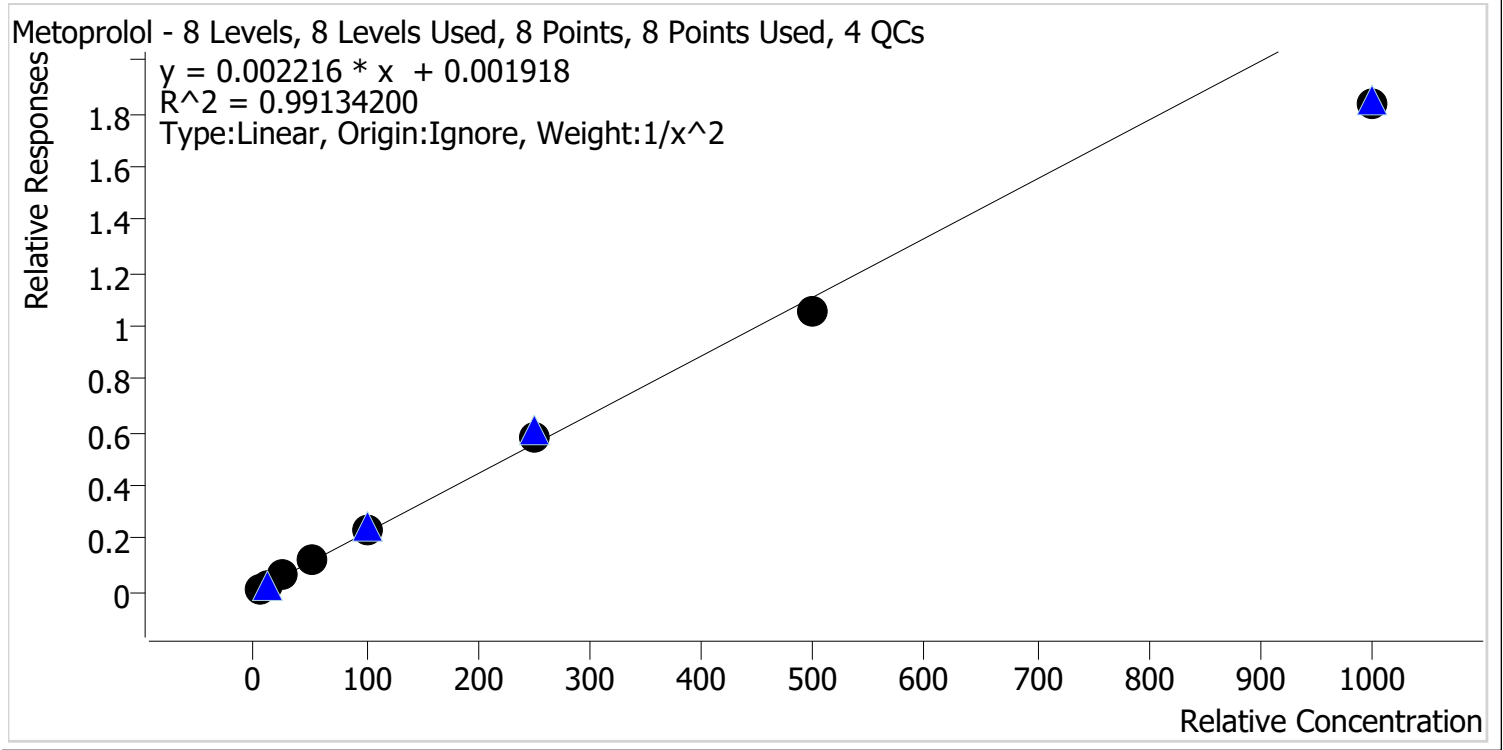
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2-10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.0
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	108.3	108.3
p1 Cal 6-250ng	6	✓	250.0	251.6	100.7
p1 Cal 7-500ng	7	✓	500.0	468.2	93.6
p1 Cal 8-1000ng	8	✓	1000.0	822.1	82.2

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



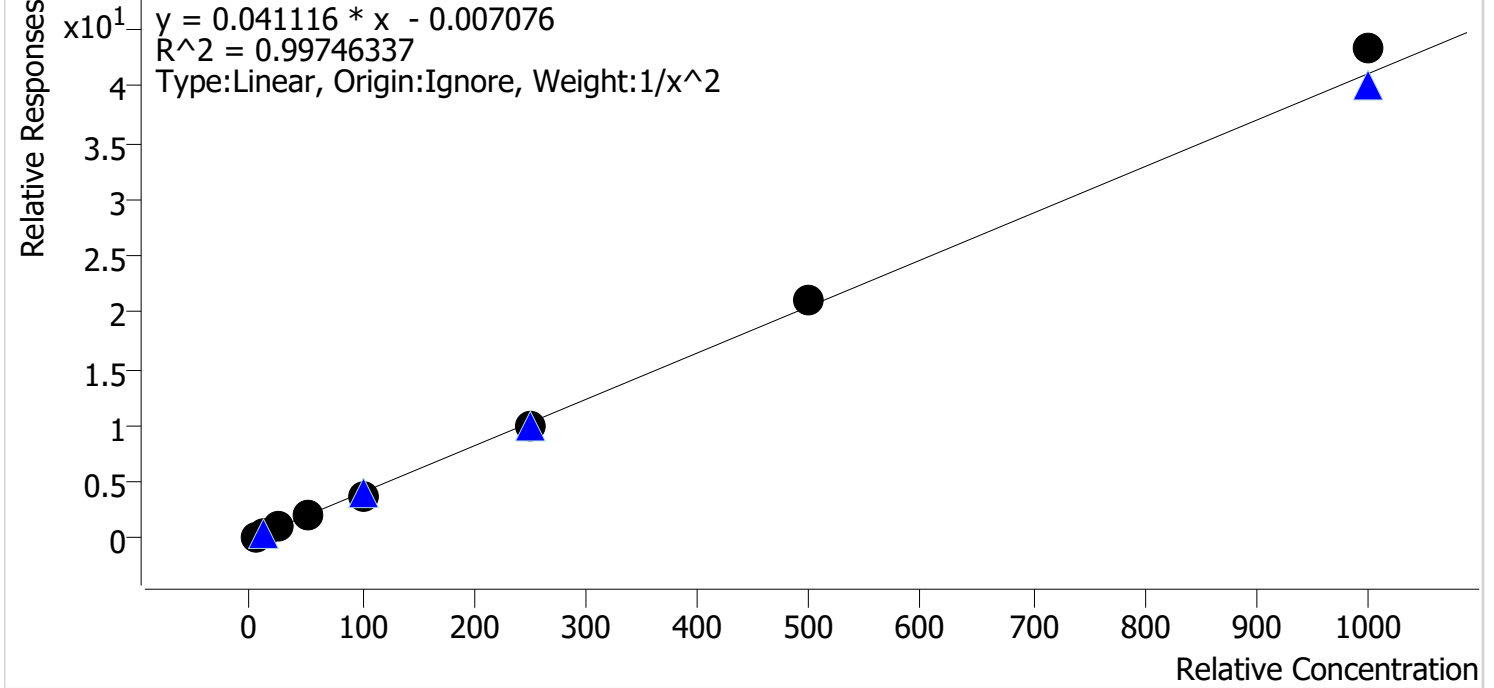
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	52.5	104.9
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	262.1	104.8
p1 Cal 7-500ng	7	✓	500.0	477.7	95.5
p1 Cal 8-1000ng	8	✓	1000.0	828.8	82.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 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



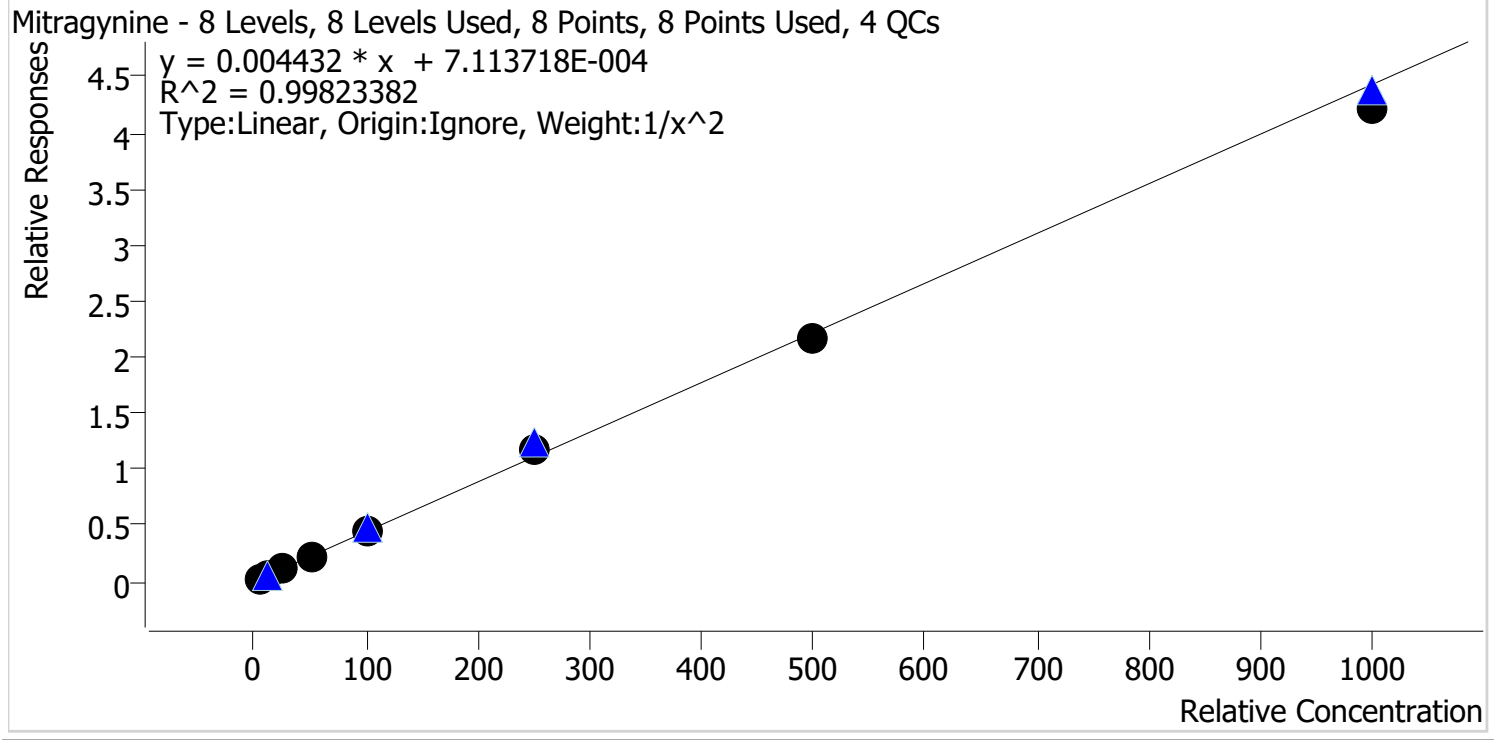
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.2
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	92.3	92.3
p1 Cal 6-250ng	6	✓	250.0	242.3	96.9
p1 Cal 7-500ng	7	✓	500.0	516.2	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1053.9	105.4

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



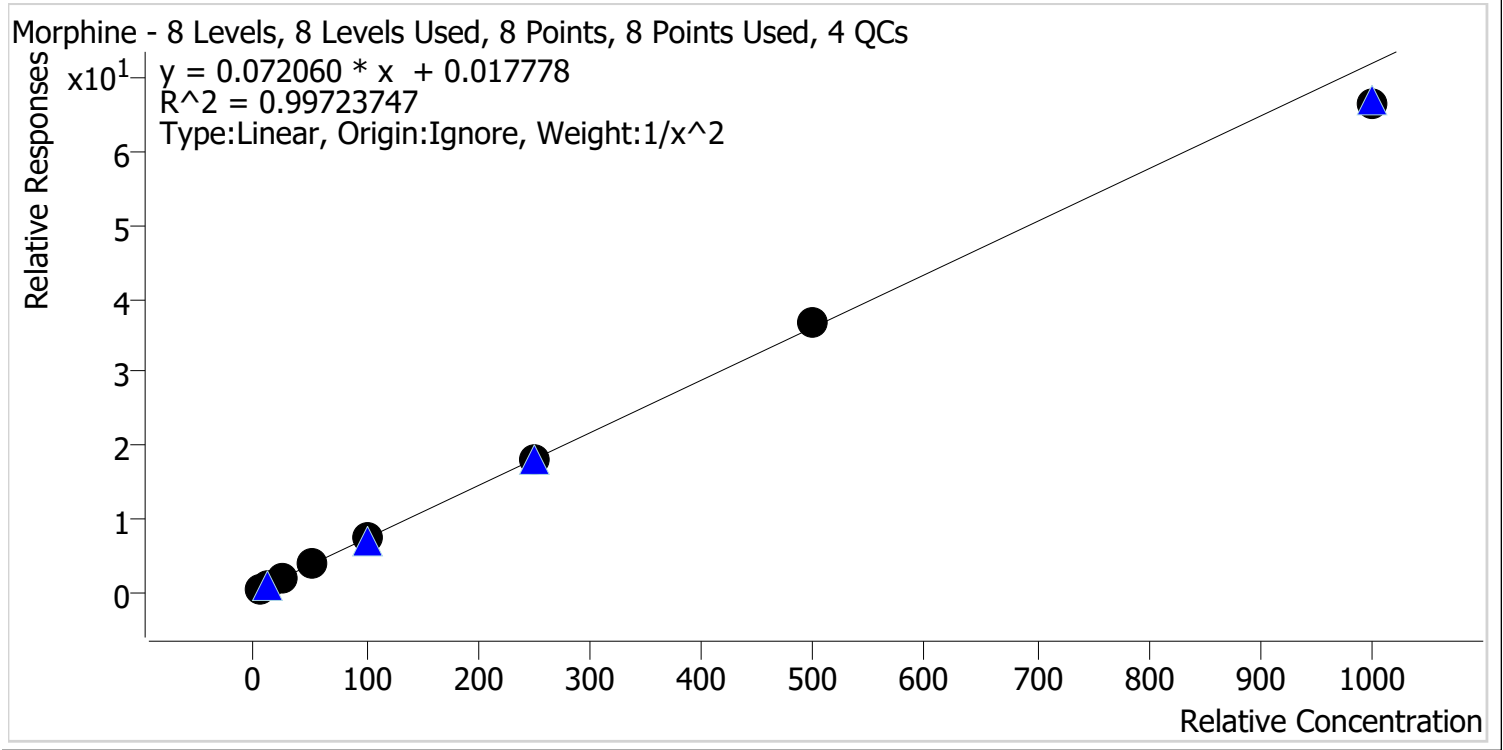
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	263.9	105.6
p1 Cal 7-500ng	7	✓	500.0	489.6	97.9
p1 Cal 8-1000ng	8	✓	1000.0	949.1	94.9

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

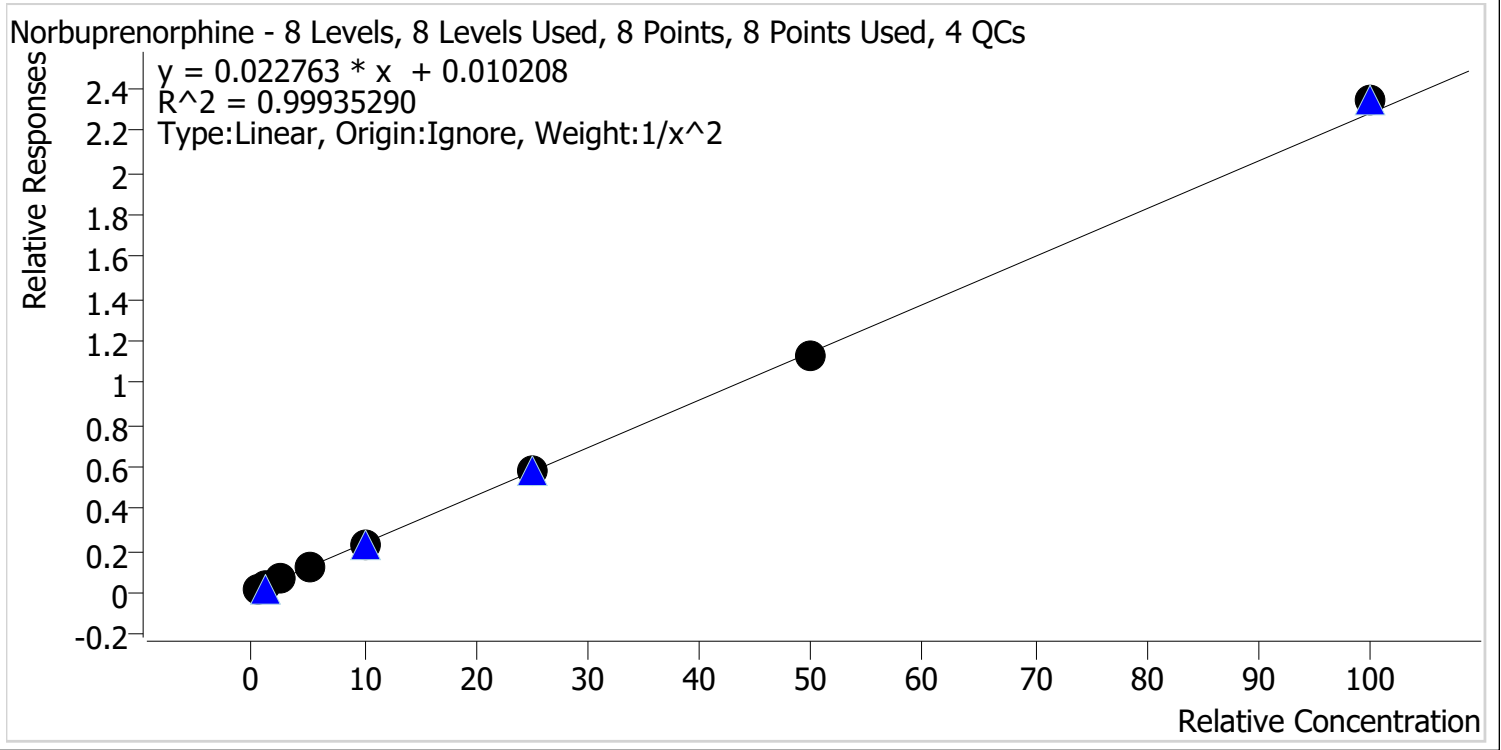


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	508.5	101.7
p1 Cal 8-1000ng	8	✓	1000.0	926.1	92.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.6
p1 Cal 2-10ng	2	✓	1.0	1.0	103.7
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.3
p1 Cal 4-50ng	4	✓	5.0	4.9	97.6
p1 Cal 5-100ng	5	✓	10.0	9.9	98.6
p1 Cal 6-250ng	6	✓	25.0	25.2	100.9
p1 Cal 7-500ng	7	✓	50.0	49.3	98.7
p1 Cal 8-1000ng	8	✓	100.0	102.6	102.6

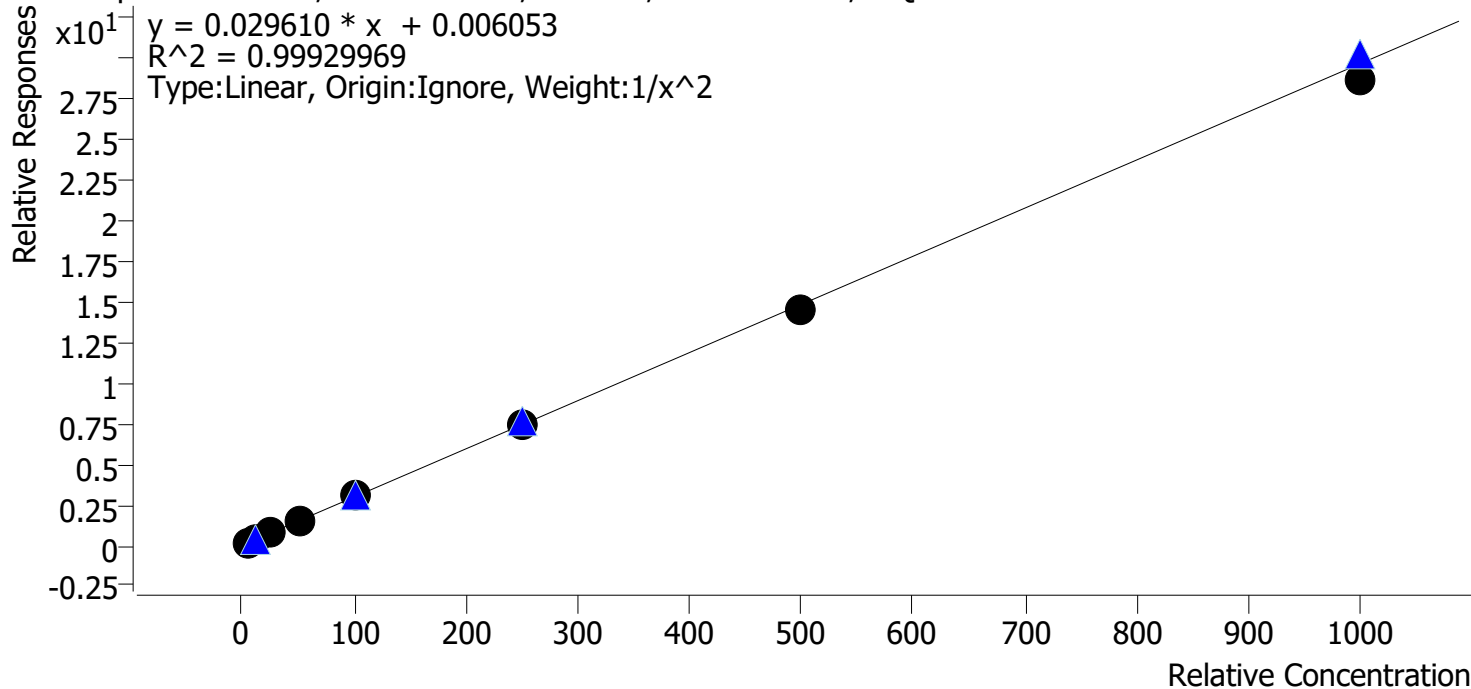
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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

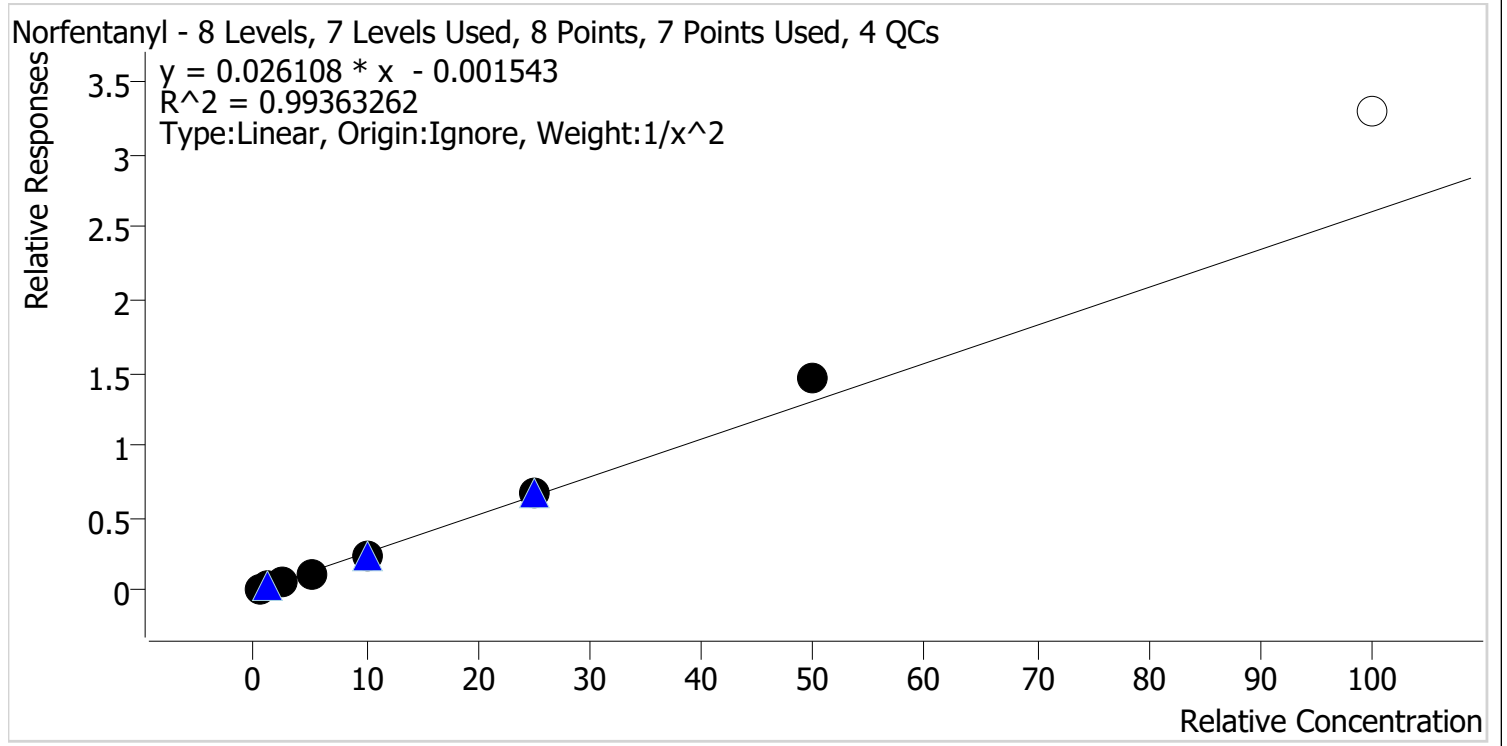


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	489.1	97.8
p1 Cal 8-1000ng	8	✓	1000.0	964.8	96.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



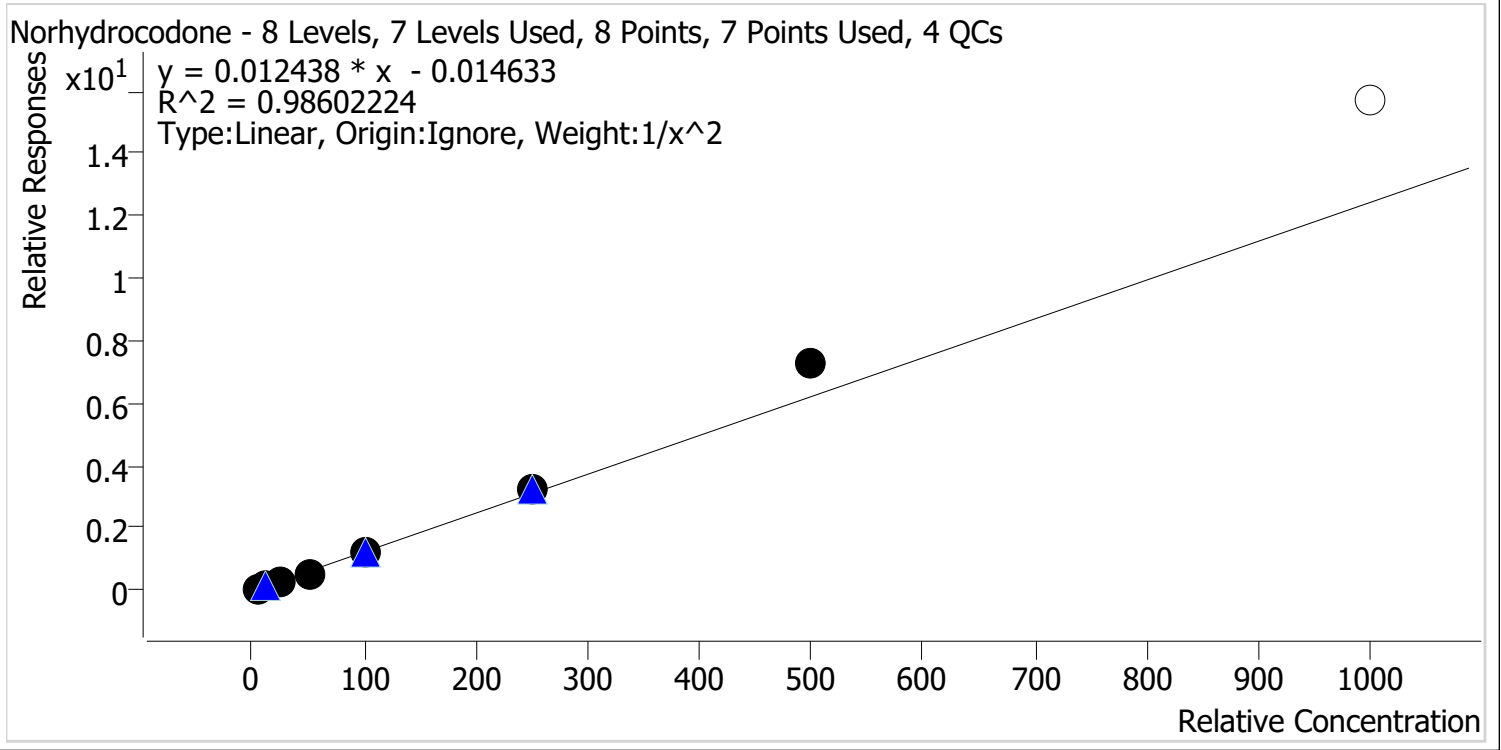
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.7
p1 Cal 2-10ng	2	✓	1.0	1.0	95.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.2
p1 Cal 4-50ng	4	✓	5.0	4.7	93.6
p1 Cal 5-100ng	5	✓	10.0	9.6	95.6
p1 Cal 6-250ng	6	✓	25.0	25.7	102.9
p1 Cal 7-500ng	7	✓	50.0	56.3	112.6
p1 Cal 8-1000ng	8	✗	100.0	127.0	127.0

Calibrator 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



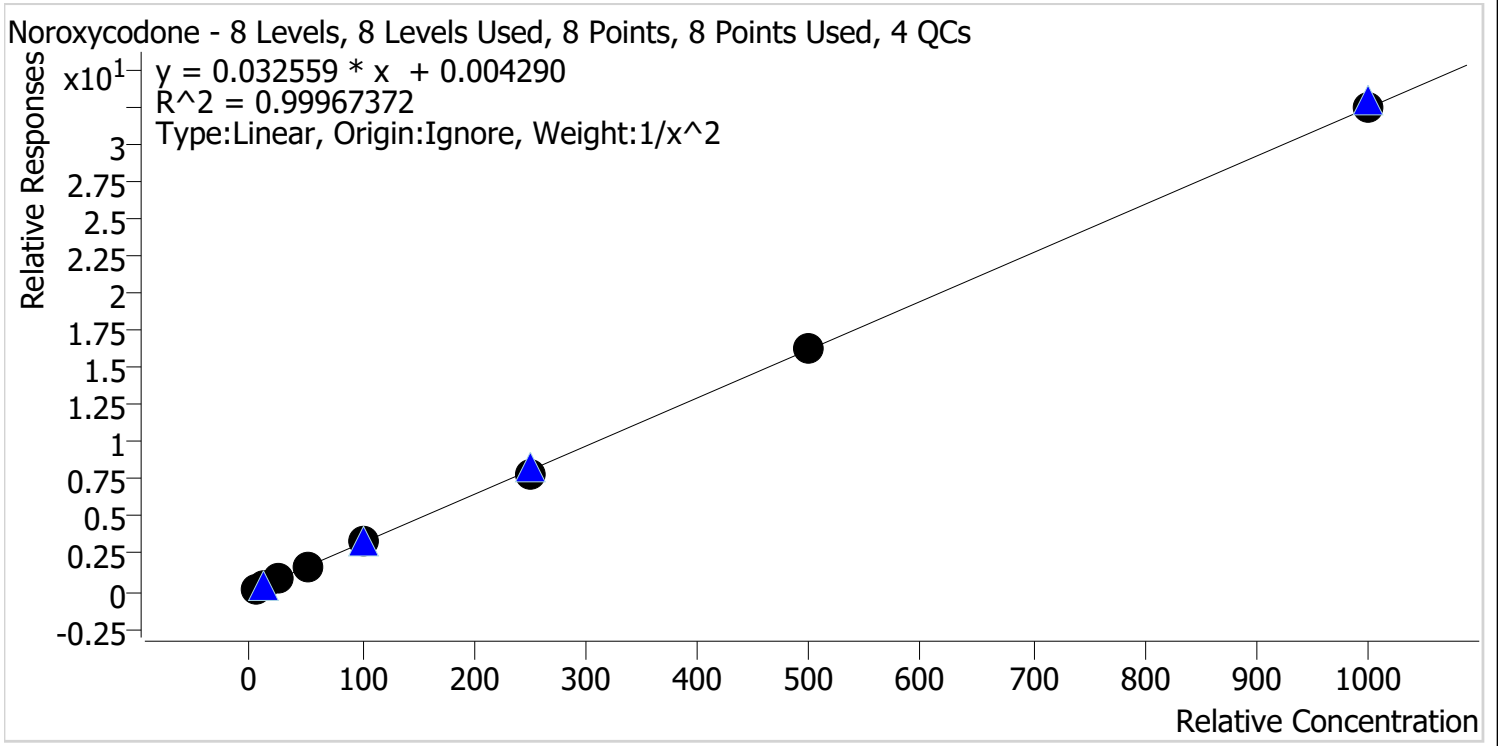
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.1
p1 Cal 2-10ng	2	✓	10.0	9.3	93.5
p1 Cal 3 -25ng	3	✓	25.0	22.5	90.0
p1 Cal 4-50ng	4	✓	50.0	45.4	90.7
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	265.4	106.2
p1 Cal 7-500ng	7	✓	500.0	585.4	117.1
p1 Cal 8-1000ng	8	✗	1000.0	1262.2	126.2

Calibrator 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



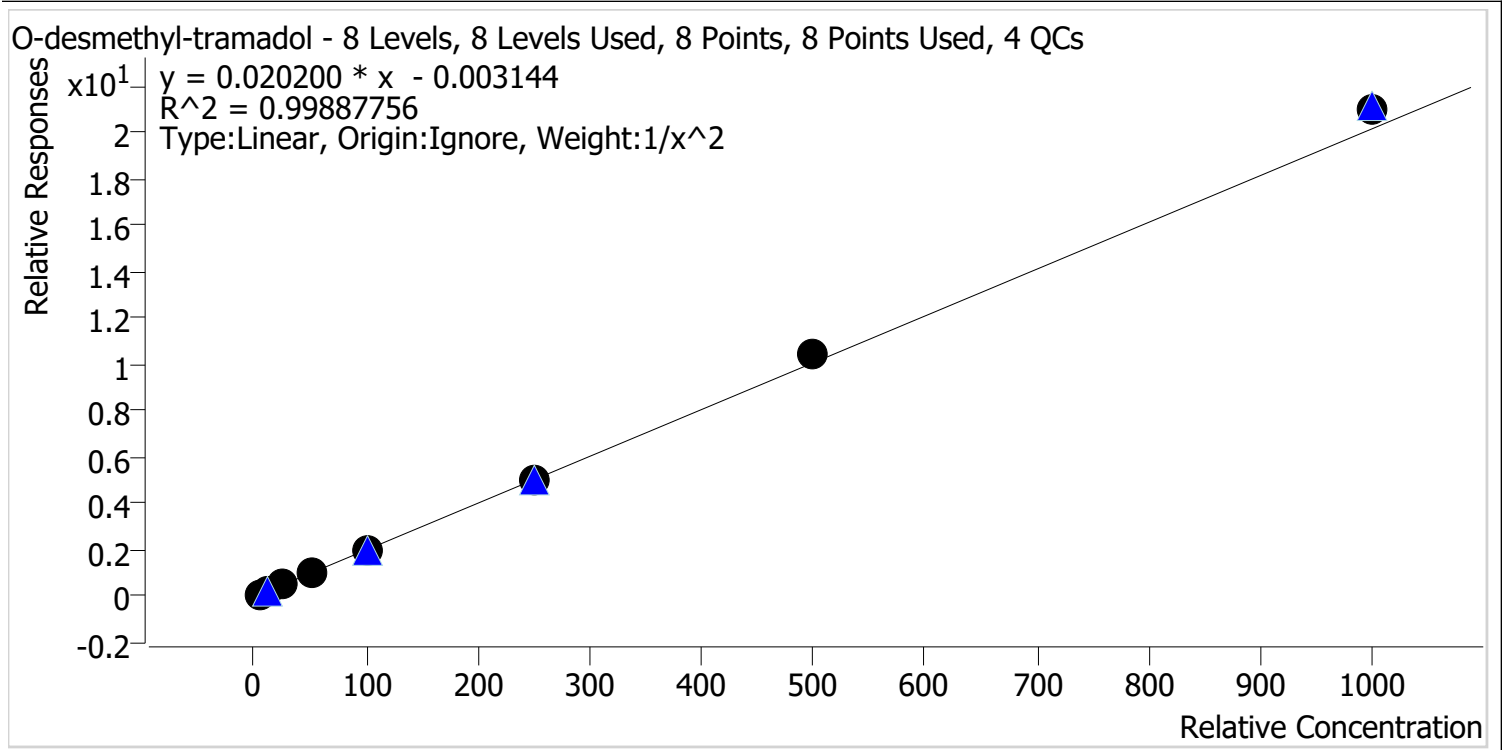
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	242.9	97.1
p1 Cal 7-500ng	7	✓	500.0	504.1	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1000.3	100.0

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

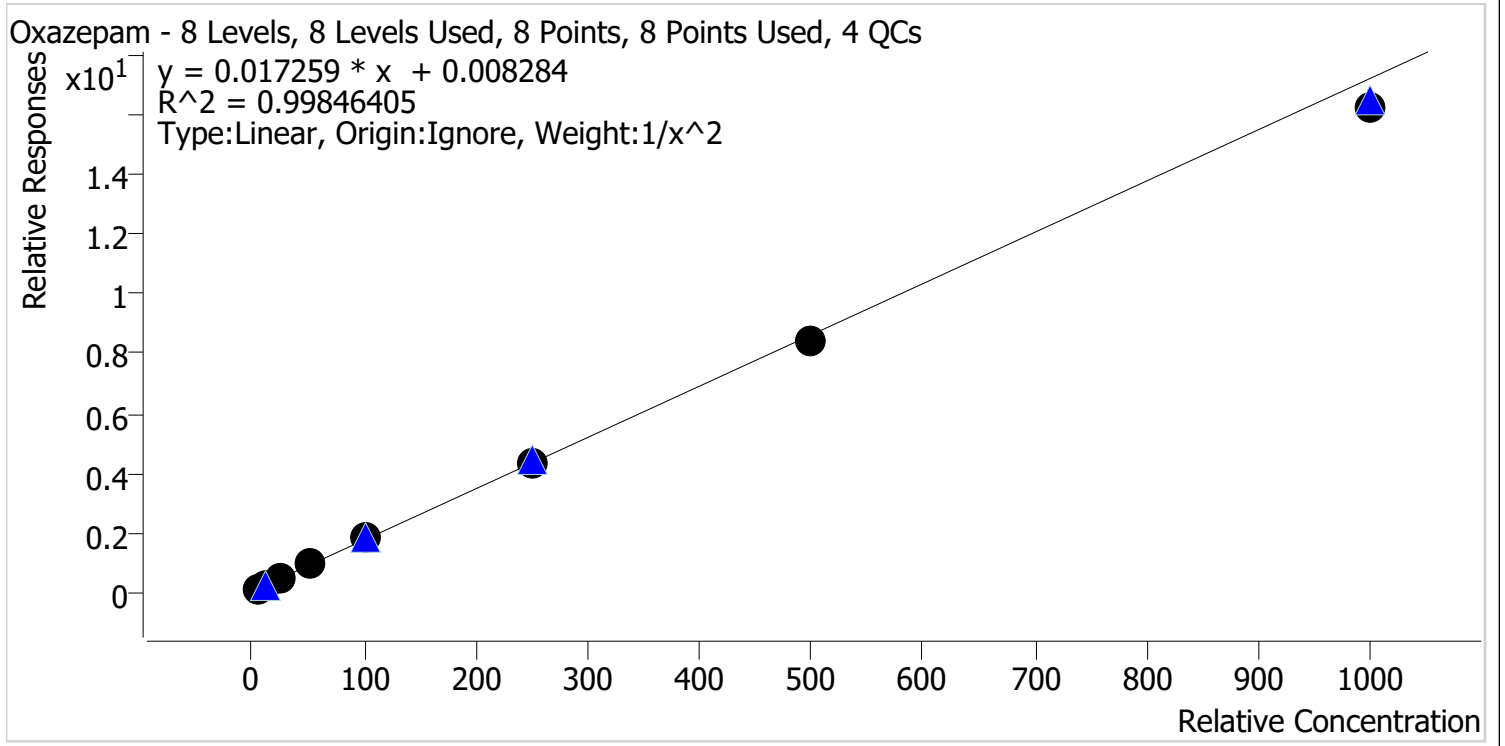


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	48.2	96.5
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	517.6	103.5
p1 Cal 8-1000ng	8	✓	1000.0	1038.8	103.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5



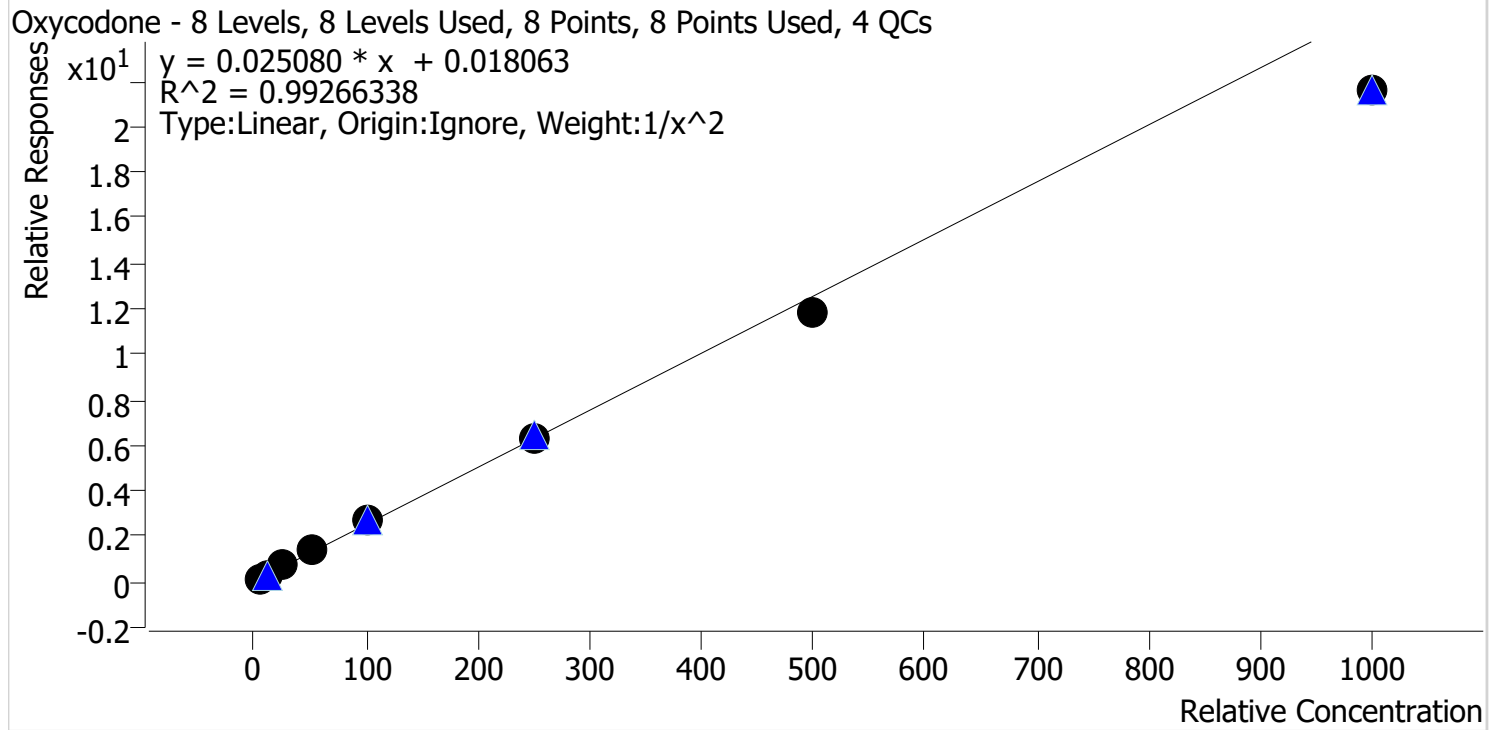
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	486.2	97.2
p1 Cal 8-1000ng	8	✓	1000.0	945.7	94.6

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 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	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.6
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	469.7	93.9
p1 Cal 8-1000ng	8	✓	1000.0	860.1	86.0

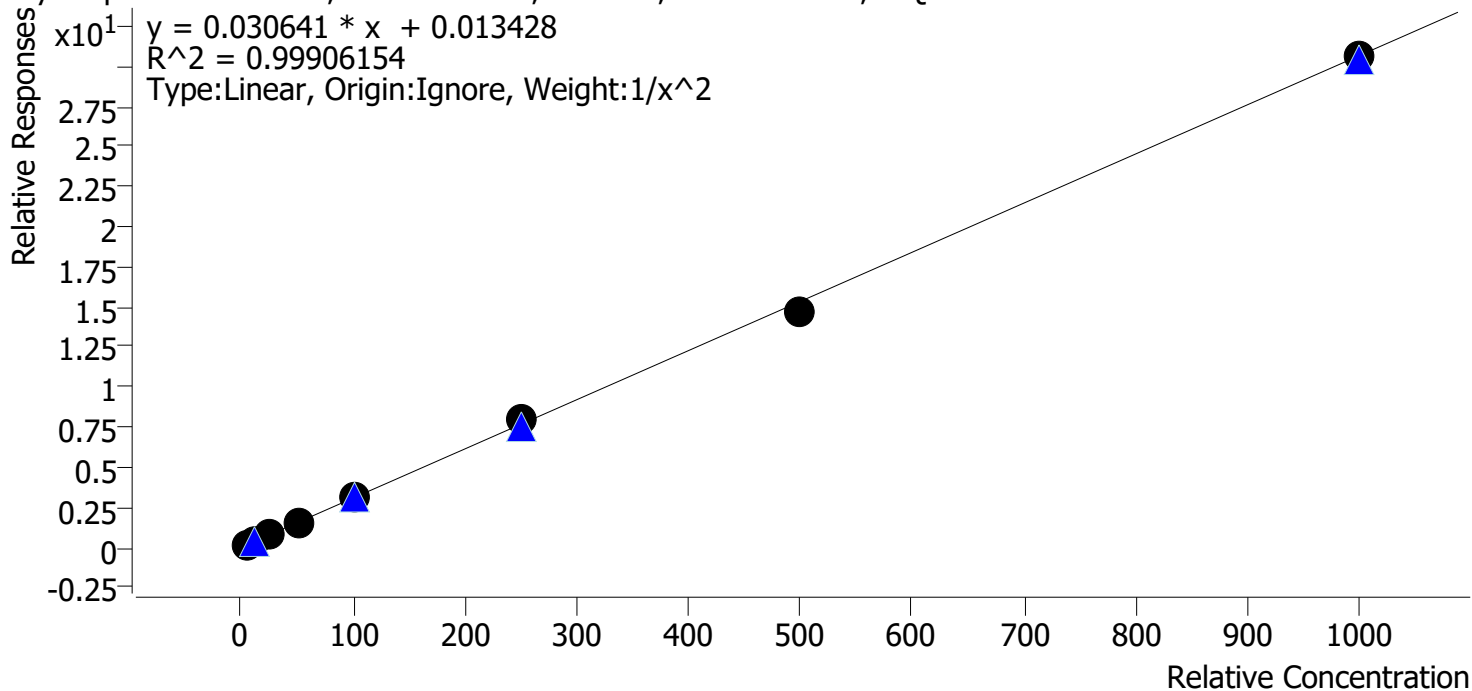
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



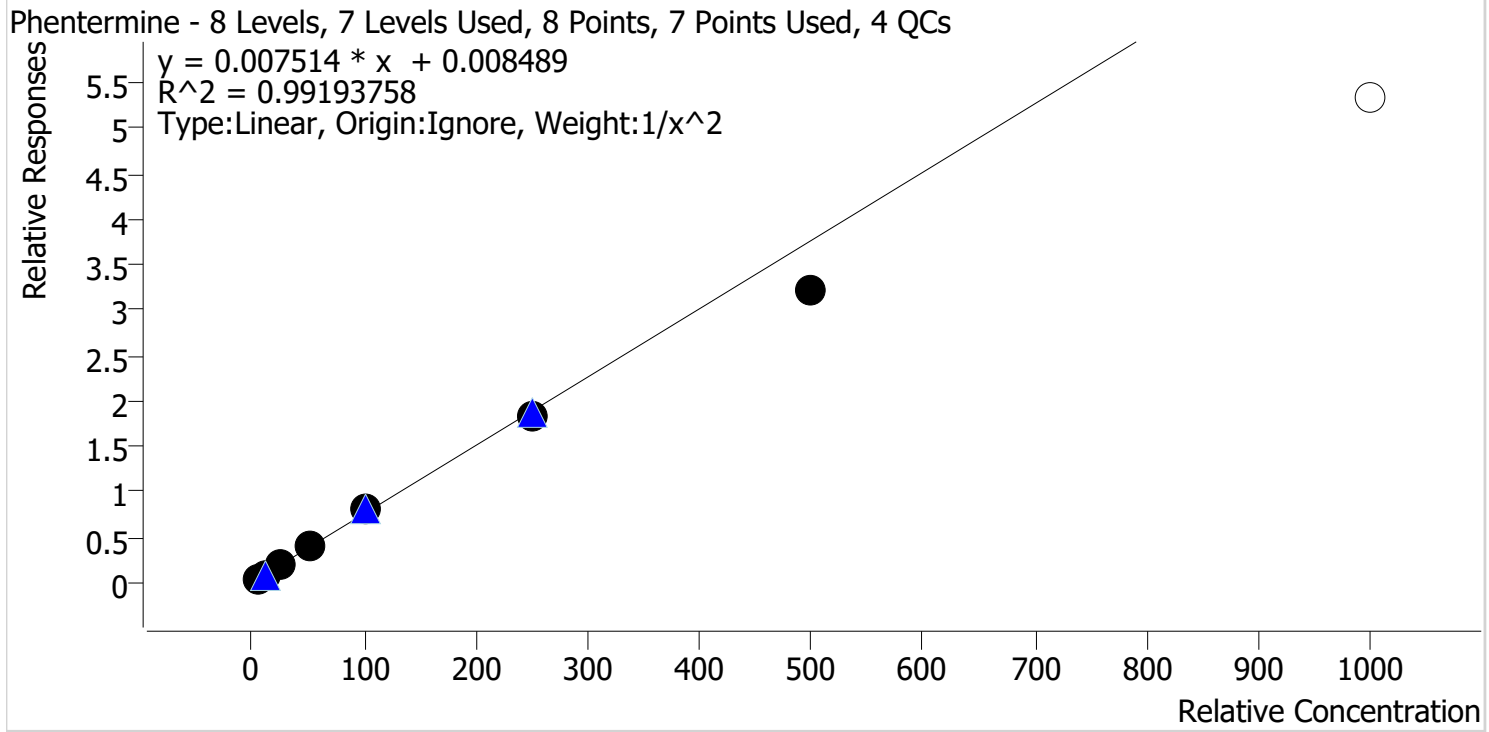
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	259.6	103.8
p1 Cal 7-500ng	7	✓	500.0	479.7	95.9
p1 Cal 8-1000ng	8	✓	1000.0	998.1	99.8

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



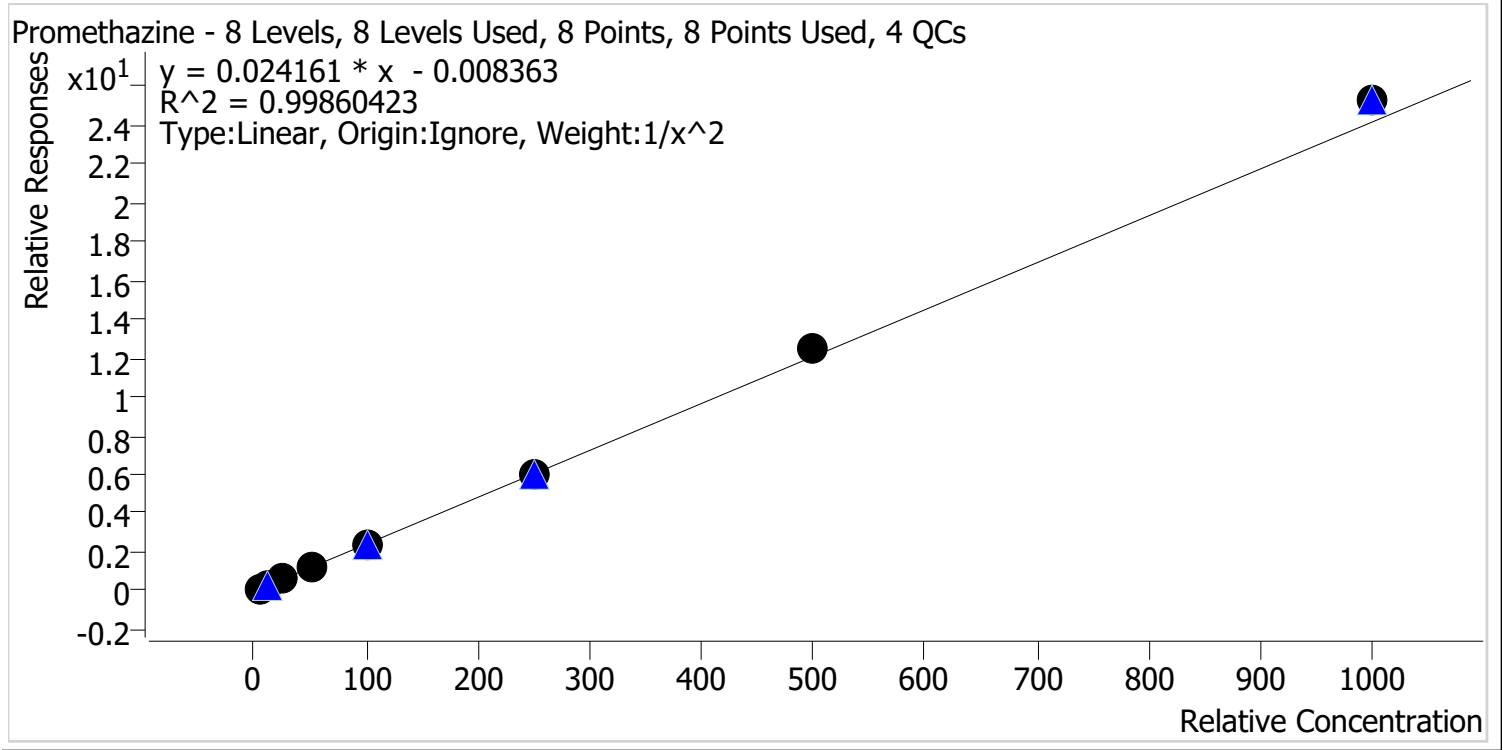
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	240.3	96.1
p1 Cal 7-500ng	7	✓	500.0	429.8	86.0
p1 Cal 8-1000ng	8	✗	1000.0	709.9	71.0

Calibrator 8 dropped due to not meeting accuracy requirement.



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

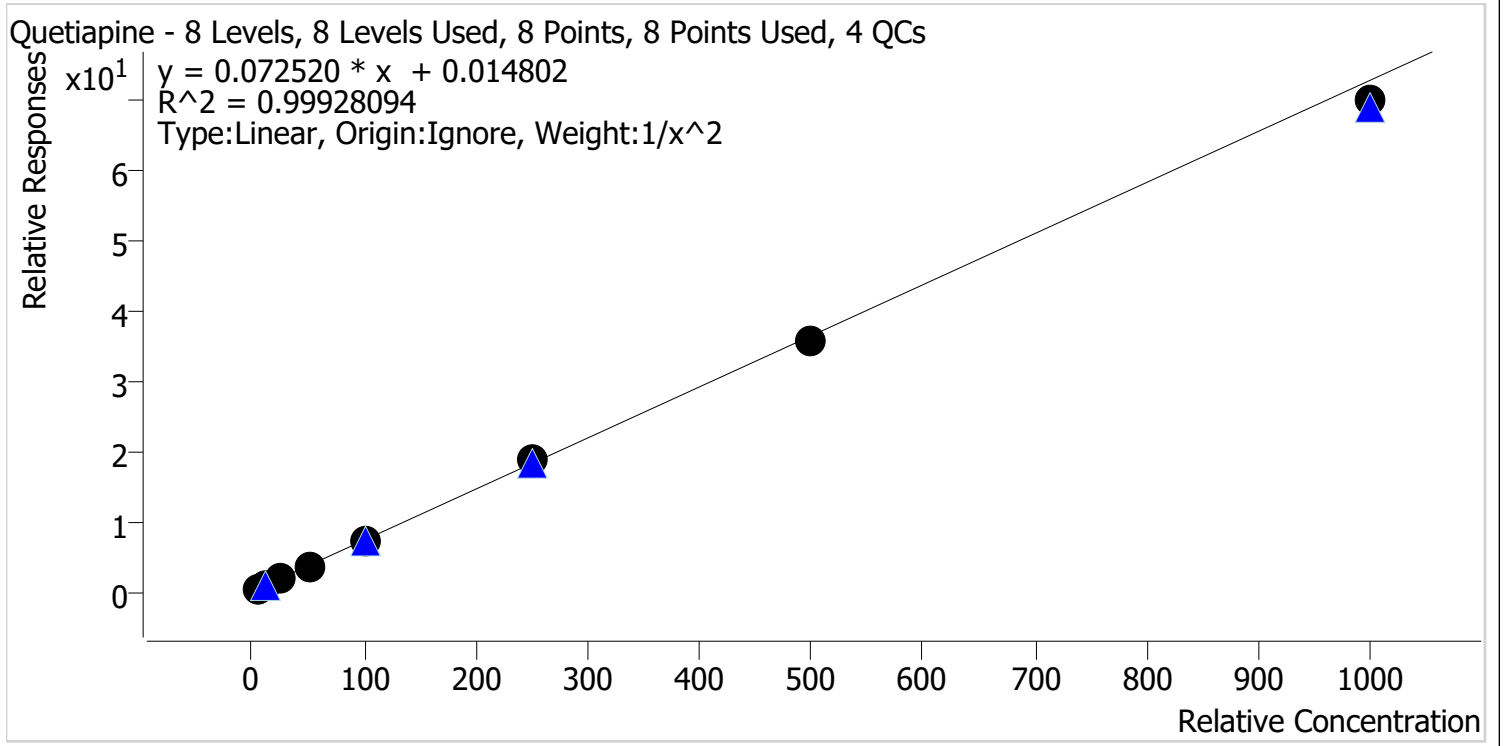


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	48.5	96.9
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	518.8	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1045.7	104.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

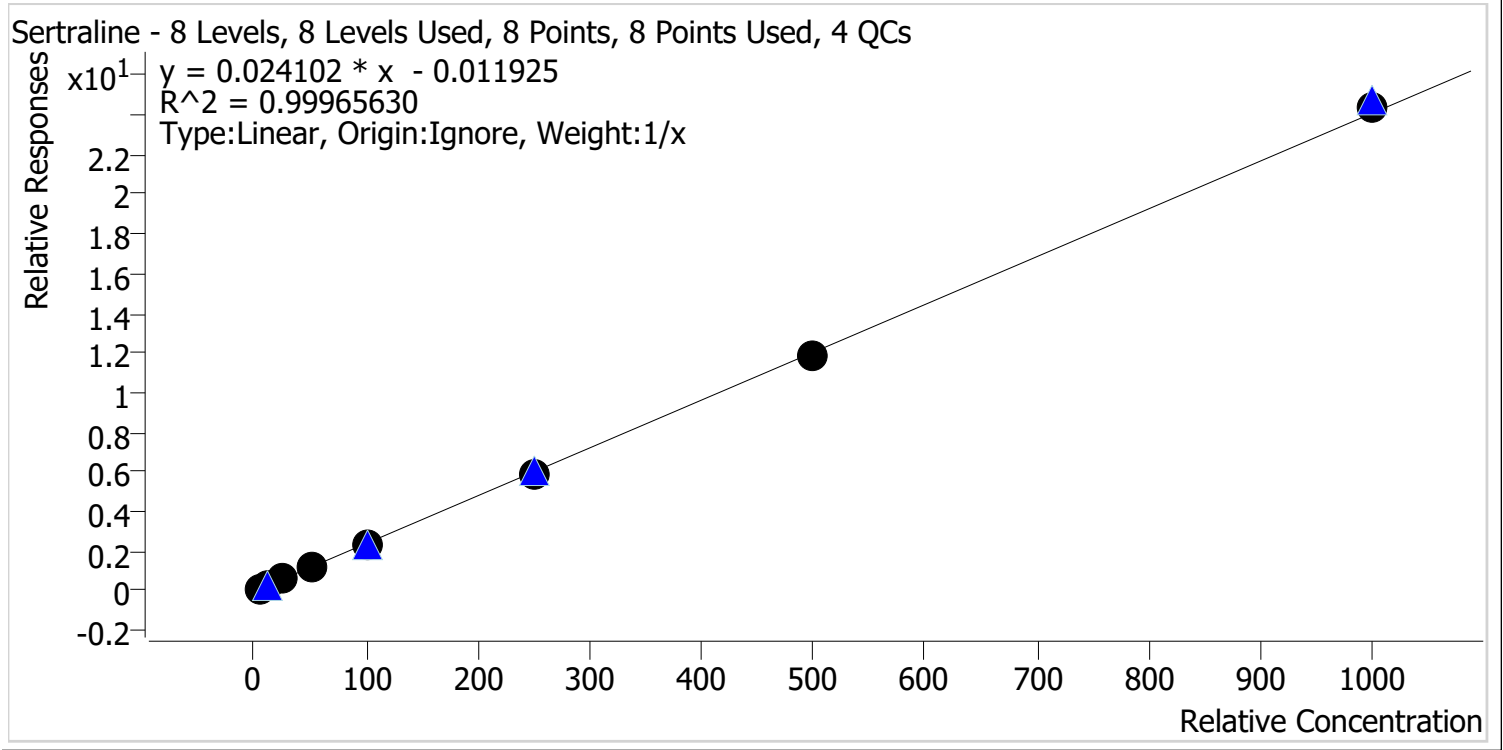


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.0
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	489.1	97.8
p1 Cal 8-1000ng	8	✓	1000.0	960.2	96.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



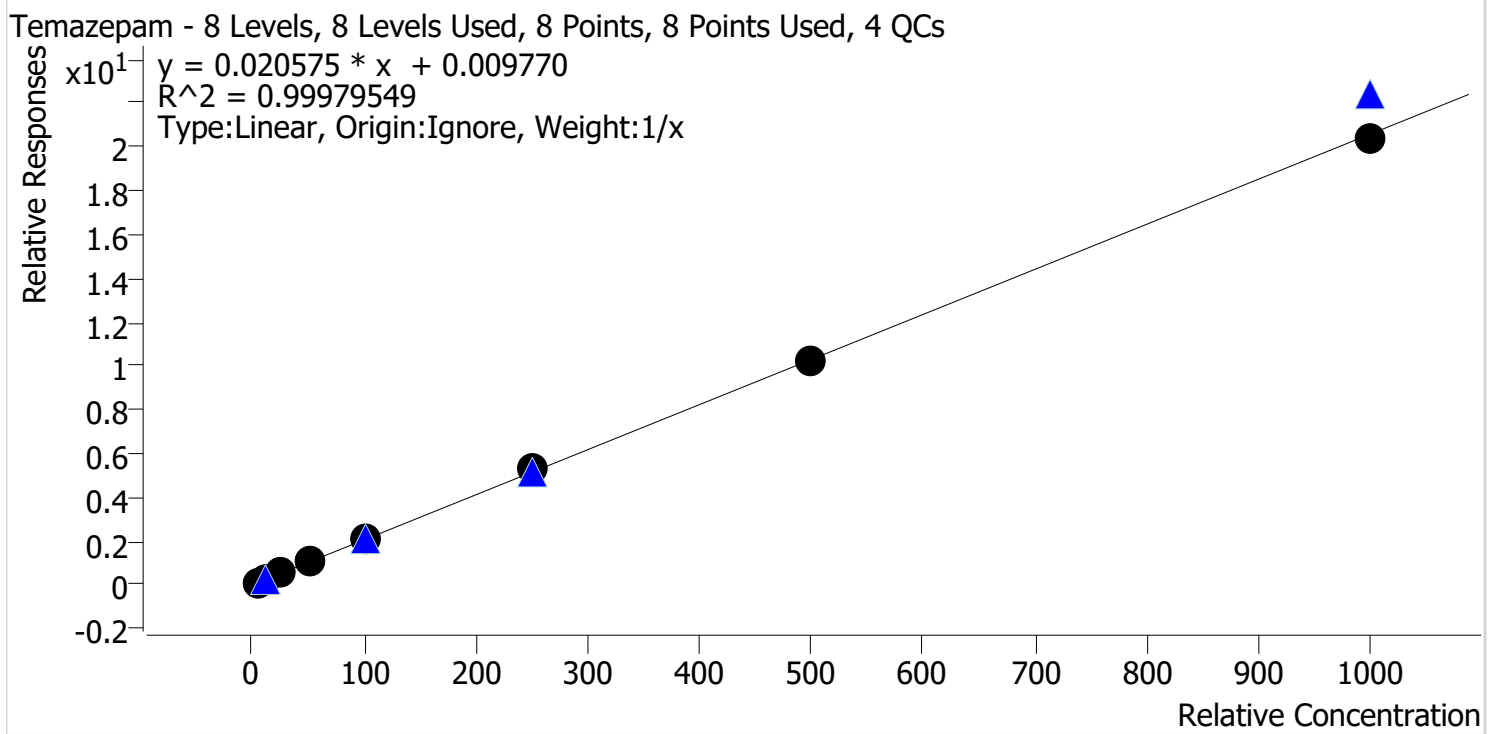
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	46.9	93.8
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	491.4	98.3
p1 Cal 8-1000ng	8	✓	1000.0	1014.1	101.4

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

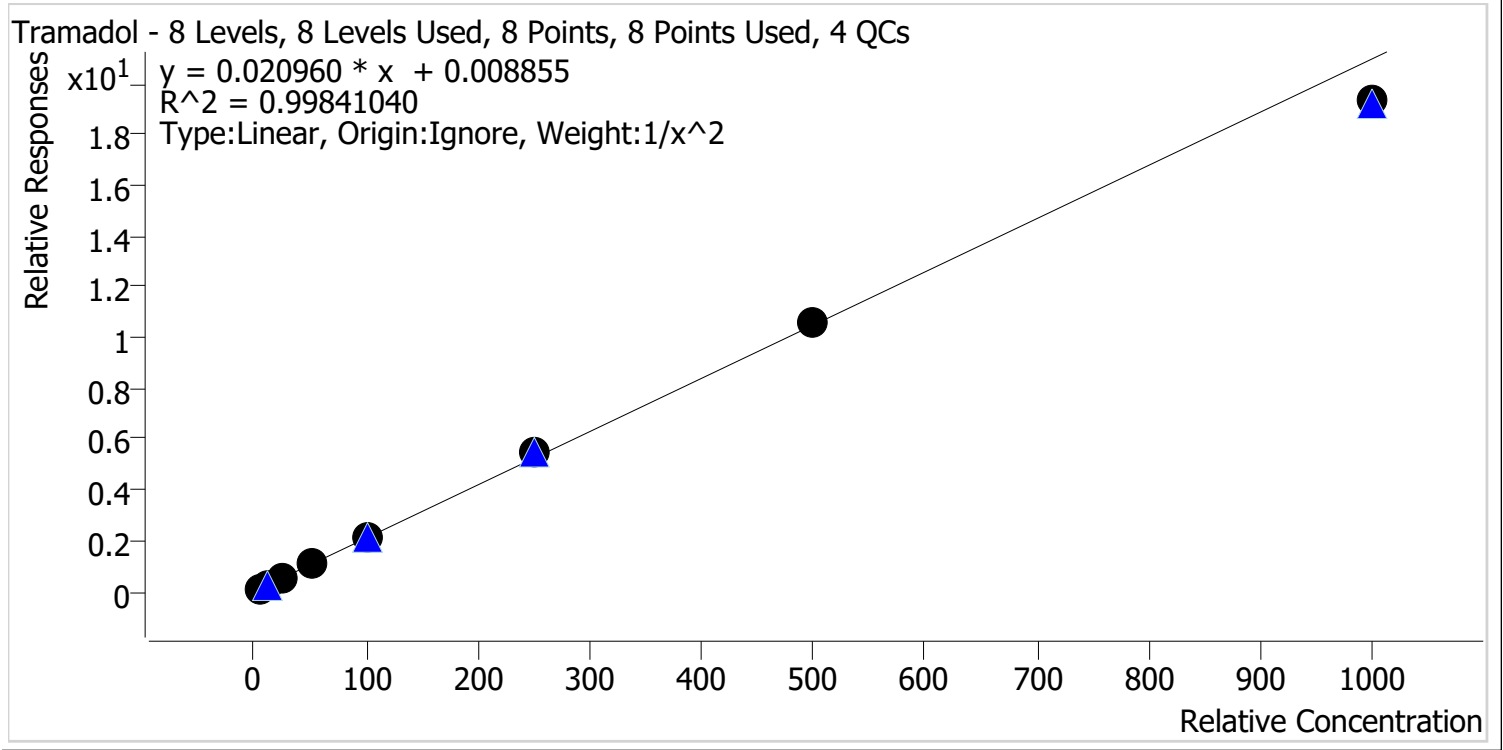


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	500.2	100.0
p1 Cal 8-1000ng	8	✓	1000.0	990.5	99.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



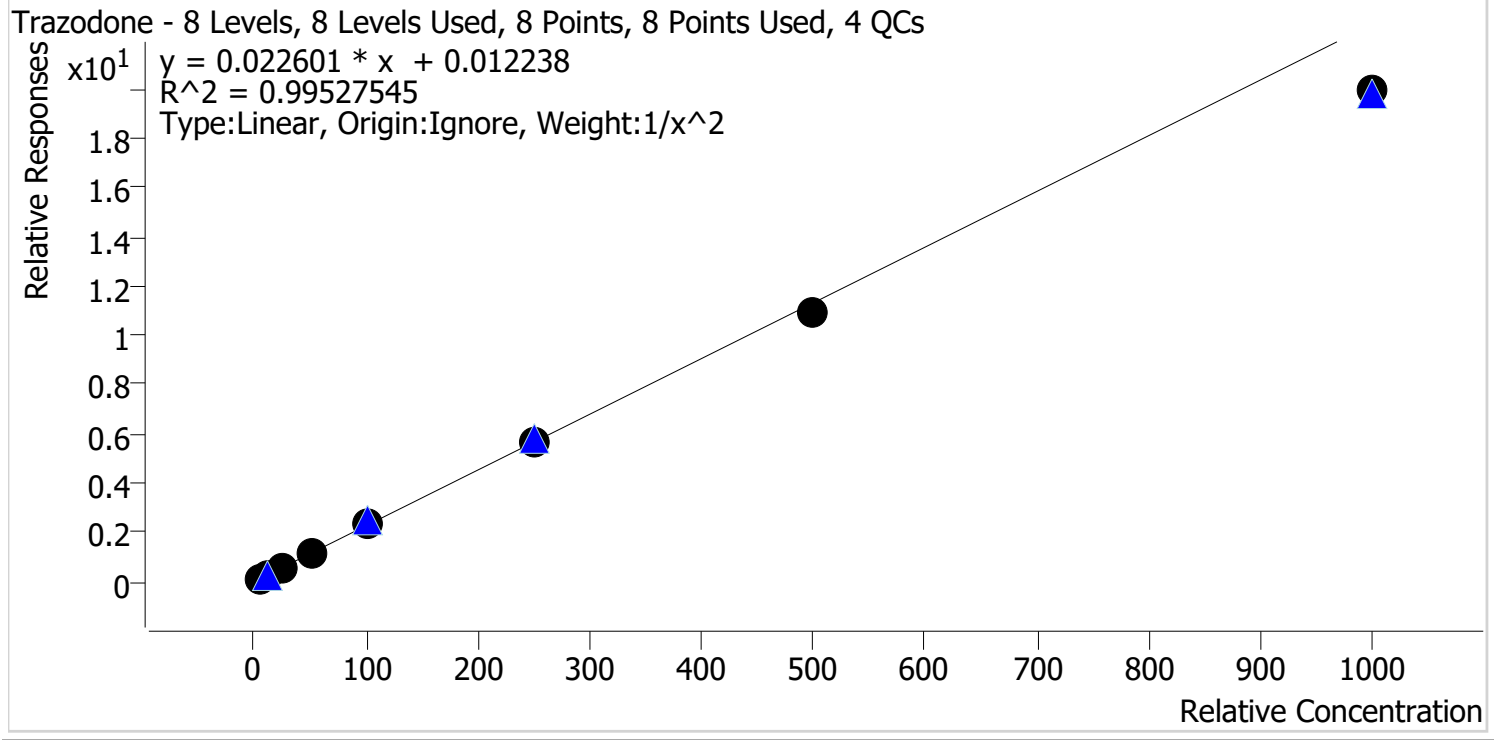
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	258.4	103.4
p1 Cal 7-500ng	7	✓	500.0	503.5	100.7
p1 Cal 8-1000ng	8	✓	1000.0	921.6	92.2

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



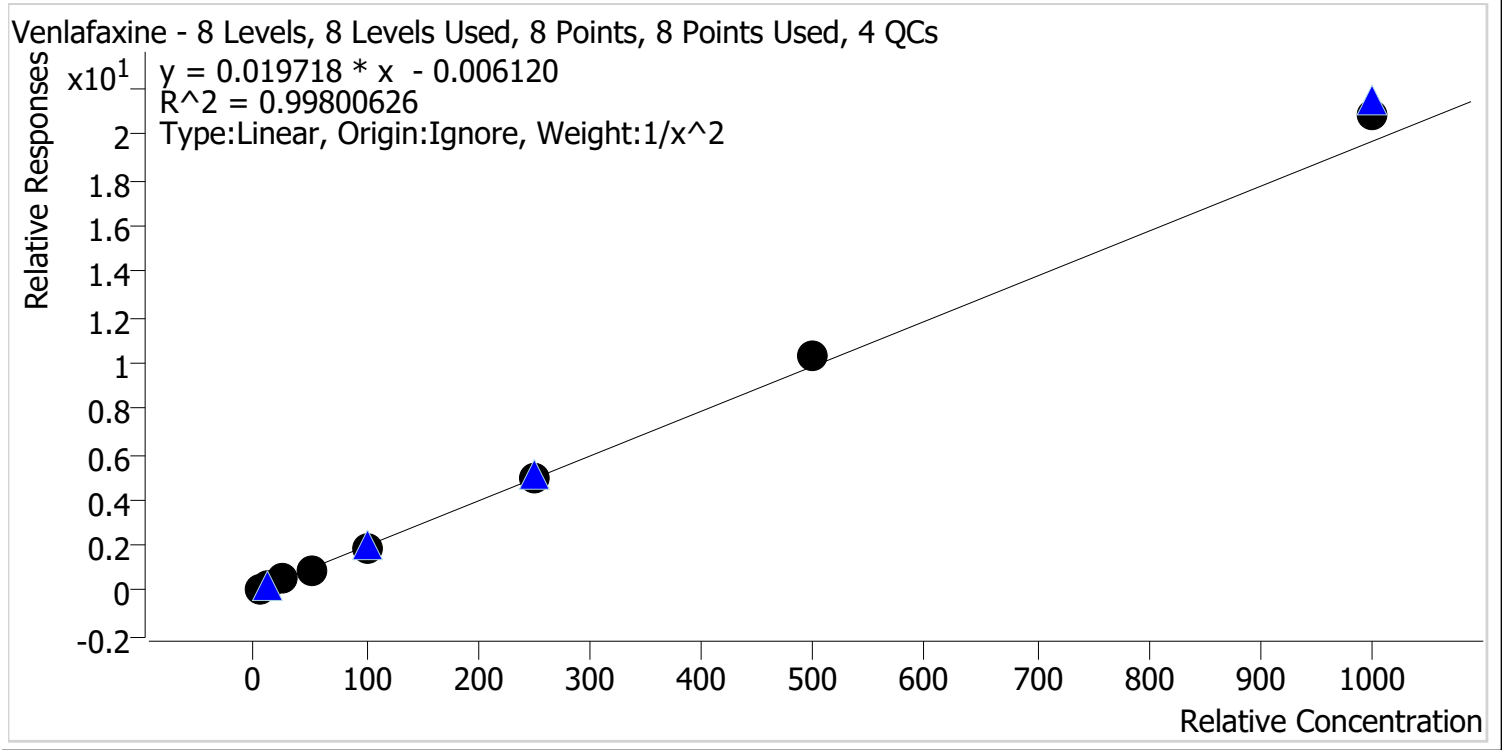
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	483.8	96.8
p1 Cal 8-1000ng	8	✓	1000.0	881.0	88.1

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 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	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	47.2	94.4
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	521.3	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1058.6	105.9

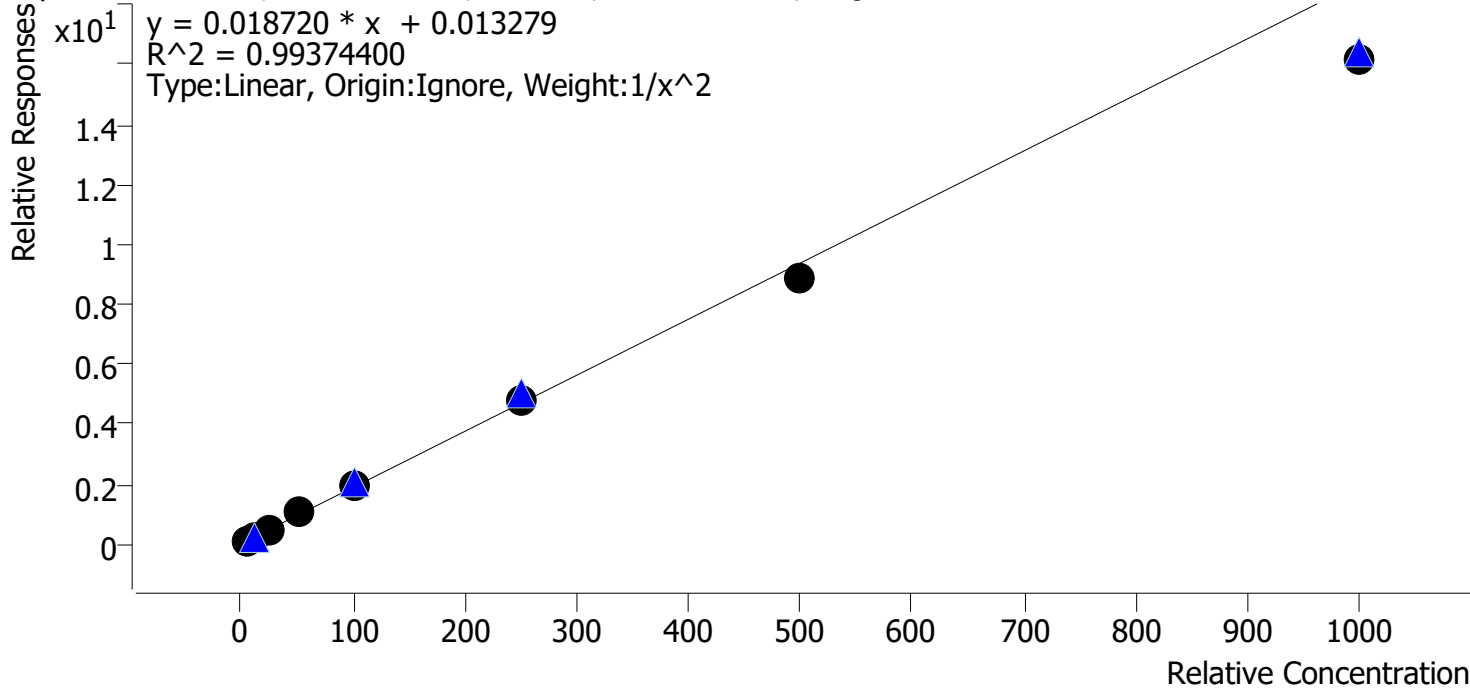
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/1/2022 1:29 PM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 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	4.8	96.6
p1 Cal 2-10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	475.3	95.1
p1 Cal 8-1000ng	8	✓	1000.0	865.9	86.6

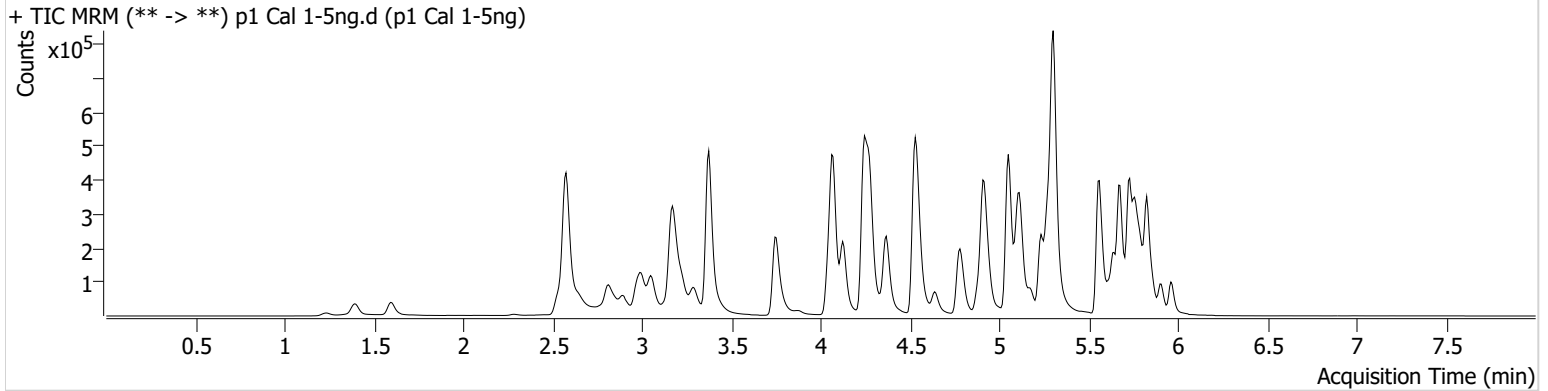
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 11:11:59 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	1002	70.99	67.5	829.77	46739	0.5030 ng/ml
7-aminoclonazepam	4.263	12546	23.83	71.8	1052.41	90687	4.8489 ng/ml
a-hydroxyalprazolam	5.706	11397	165.31	64.0	511.00	228641	4.7540 ng/ml
alpha-PHP	4.943	18735	260.06	266.5	1177.67	495604	4.8407 ng/ml
alpha-PVP	4.375	67886	354.86	51.0	153.51	495604	5.0755 ng/ml
Alprazolam	5.789	33119	796.43	108.8	266.84	228641	5.0497 ng/ml
Amphetamine	3.051	136783	935.88	48.1	476.90	280335	4.8937 ng/ml
Benzoylecgonine	3.884	2175	73.59	6.3	13.26	11685	5.8783 ng/ml
Buprenorphine	5.881	1676	105.74	16.0	460.72	119728	0.5056 ng/ml
Bupropion	4.794	69526	5365.51	69.3	963.26	475603	5.0058 ng/ml
Carisoprodol	5.737	34661	2123.28	62.2	139.35	325480	5.9796 ng/ml
Citalopram	5.232	54669	2014.60	33.3	312.18	486594	5.0773 ng/ml
Clonazepam	5.619	31279	217.27	34.3	260.92	84241	4.8315 ng/ml
Clonazepam	5.563	23786	26638.18	35.0	17672.94	84241	4.8569 ng/ml
Cocaine	4.276	46221	6071.30	56.4	143.37	730640	4.9838 ng/ml
Codeine	2.587	5503	536.85	114.6	71.22	54775	5.0166 ng/ml
Cyclobenzaprine	5.642	37594	39589.24	8.3	98.60	302825	5.1780 ng/ml
Dextromethorphan	5.281	29286	140.97	82.2	203.39	236995	5.0033 ng/ml
Dextrophan	4.130	19619	1194.89	200.9	455.26	406033	5.1049 ng/ml
Diazepam	5.967	18072	283.20	88.1	705.03	162288	4.9190 ng/ml
Dihydrocodeine	2.559	15008	41973.35	62.8	283.63	164806	4.8339 ng/ml
Diphenhydramine	5.302	139061	599.47	31.1	35964.24	1696374	5.1489 ng/ml
Doxylamine	4.548	152718	4263.66	98.6	1327.32	1324477	5.0352 ng/ml
EDDP	5.274	40503	770.41	41.3	251.44	423722	5.0999 ng/ml
Etizolam	5.827	15717	1393.82	26.8	1024.42	84241	5.1715 ng/ml
Fentanyl	5.116	4872	168.54	58.3	6134.57	525373	0.5047 ng/ml
Flualprazolam	5.712	12875	337.46	95.7	934.77	228641	4.8175 ng/ml
Fluoxetine	5.728	46027	51385.89	7.6	6667.81	355586	5.1301 ng/ml
Hydrocodone	3.027	22745	46.66	38.7	43.85	254278	4.8843 ng/ml
Hydromorphone	1.601	18419	43005.21	70.6	24135.62	108633	5.1094 ng/ml
Ketamine	4.063	52863	445.20	33.2	145.61	439818	4.9261 ng/ml
Lamotrigine	4.285	3929	188.03	90.1	878.54	439818	4.7380 ng/ml
Levetiracetam	2.644	19245	159.89	161.3	407.83	1208358	5.1361 ng/ml

CS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.761	32234	599.92	51.1	59.23	84241	4.3404 ng/ml
MDA	3.199	80810	264.15	28.8	194.97	363650	4.8153 ng/ml
MDMA	3.292	50694	1541.33	87.7	488.92	97602	5.0554 ng/ml
Meprobamate	4.903	20006	697.52	27.3	55.40	203006	4.7514 ng/ml
Methadone	5.673	77922	274.19	59.9	450.38	655987	5.8827 ng/ml
Methamphetamine	3.227	100006	522.50	39.0	620.49	719773	4.7799 ng/ml
Metoprolol	4.338	14307	43423.41	96.4	300.15	1132037	4.8381 ng/ml
Mirtazapine	4.636	97538	745.83	55.5	53619.94	495604	4.9587 ng/ml
Mitragynine	5.250	15269	4830.40	37.0	11104.90	655987	5.0912 ng/ml
Morphine	1.240	2804	1692.25	26.8	17.50	7451	4.9761 ng/ml
Norbuprenorphine	5.005	368	914.02	78.1	450.10	17188	0.4929 ng/ml
Nordiazepam	5.907	20520	1837.32	55.5	283.79	133015	5.0056 ng/ml
Norfentanyl	4.090	11948	315.72	37.2	70.09	996519	0.5183 ng/ml
Norhydrocodone	3.075	3618	69.05	40.1	25.05	70485	5.3037 ng/ml
Noroxycodone	2.918	22955	760.55	48.6	40112.94	137056	5.0122 ng/ml
O-desmethyl-tramadol	3.379	119202	7399.83	5.8	262.00	1197827	5.0821 ng/ml
Oxazepam	5.763	39303	94.39	69.7	74.38	414099	5.0193 ng/ml
Oxycodone	2.843	41862	303.73	29.9	225.31	301786	4.8105 ng/ml
Oxymorphone	1.398	17531	335.80	46.6	63.88	105070	5.0070 ng/ml
Phentermine	3.780	31290	175.57	4.9	20.31	698412	4.8328 ng/ml
Promethazine	5.560	74685	1051.66	30.9	730.33	645936	5.1317 ng/ml
Pseudoephedrine	2.583	122768	100.45	16.2	1722.14	1208358	5.1117 ng/ml
Quetiapine	5.575	69896	102187.96	58.1	2657.61	186156	4.9734 ng/ml
Sertraline	5.796	14825	376.24	90.9	25827.41	124975	5.4166 ng/ml
Temazepam	5.831	61074	1486.02	28.1	105.88	560003	4.8257 ng/ml
Tramadol	4.257	128063	445.14	3.5	18.59	1132037	4.9747 ng/ml
Trazodone	5.169	59620	850.05	81.8	156696.93	492954	4.8099 ng/ml
Venlafaxine	5.050	101751	697.80	32.6	334.85	1076958	5.1018 ng/ml
Zolpidem	4.934	98064	5366.16	31.2	272.45	945660	4.8301 ng/ml

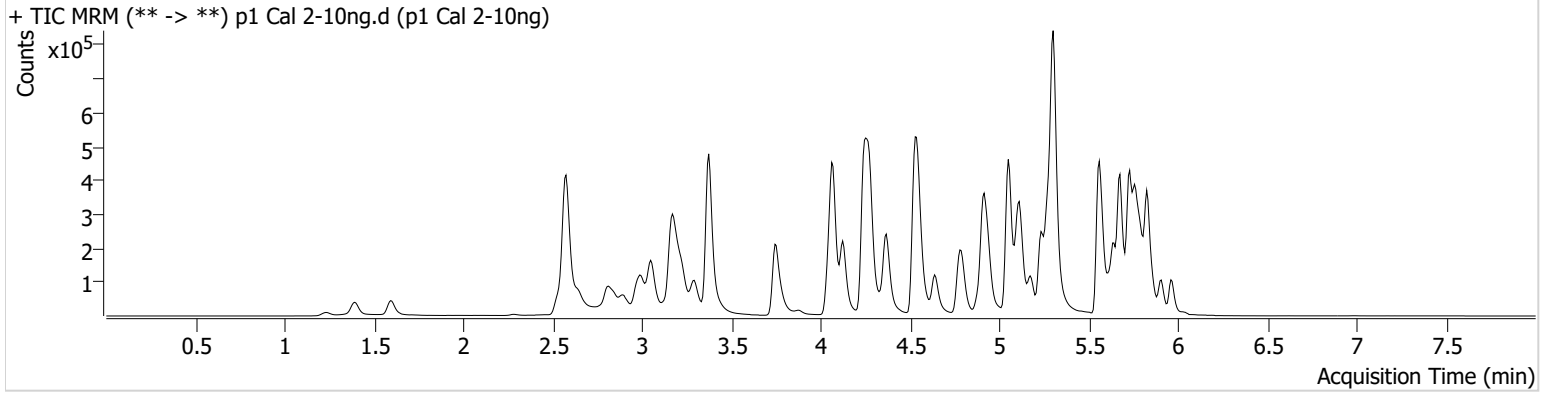
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 11:22:45 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	1749	854.30	68.7	105.70	41879	1.0001 ng/ml
7-aminoclonazepam	4.263	26323	5150.33	69.4	1095.29	97758	10.2306 ng/ml
a-hydroxyalprazolam	5.706	20100	157.72	65.1	745.16	206813	10.4673 ng/ml
alpha-PHP	4.943	32455	2279.14	260.3	1855.62	444788	10.0678 ng/ml
alpha-PVP	4.375	119015	289.09	50.0	1155.15	444788	9.8224 ng/ml
Alprazolam	5.789	58705	740.10	107.8	383.27	206813	9.8381 ng/ml
Amphetamine	3.051	236376	3504.86	48.5	881.93	256465	9.9260 ng/ml
Benzoylcegonine	3.884	2948	187.32	8.1	13.18	9805	9.4200 ng/ml
Buprenorphine	5.881	2916	341.65	16.0	1086.86	102124	0.9973 ng/ml
Bupropion	4.794	118119	805.22	69.8	974.40	416092	9.8739 ng/ml
Carisoprodol	5.737	58313	52247.97	61.9	120.68	273113	10.3931 ng/ml
Citalopram	5.232	97194	23386.68	34.3	267.45	442965	9.7741 ng/ml
Clonazepam	5.619	58632	92.35	34.8	123460.33	79339	10.2640 ng/ml
Clonazolam	5.563	39507	4003.84	37.2	12932.01	79339	10.0134 ng/ml
Cocaine	4.269	83537	266557.21	56.2	3378.65	660556	10.1072 ng/ml
Codeine	2.580	9273	37.99	108.0	78.65	50519	9.4413 ng/ml
Cyclobenzaprine	5.642	73152	238.00	8.9	3925.80	304559	9.6757 ng/ml
Dextromethorphan	5.281	53037	126.88	82.0	192.32	215956	10.0869 ng/ml
Dextrophan	4.123	35060	87897.24	200.5	1081.52	366693	9.7386 ng/ml
Diazepam	5.967	33868	1058.60	87.7	265.66	149065	10.2692 ng/ml
Dihydrocodeine	2.559	24954	597.82	68.0	188.99	148222	10.0930 ng/ml
Diphenhydramine	5.302	241189	4180.73	32.5	2324.25	1543410	9.5973 ng/ml
Doxylamine	4.548	277061	5425.00	98.5	2044.01	1234563	9.8631 ng/ml
EDDP	5.274	71599	478.36	42.0	197.60	389100	9.7139 ng/ml
Etizolam	5.827	29849	51039.20	26.2	11418.45	79339	9.8556 ng/ml
Fentanyl	5.116	8714	66.39	67.4	12413.64	474296	0.9810 ng/ml
Flualprazolam	5.712	23162	794.85	98.5	1907.45	206813	10.2393 ng/ml
Fluoxetine	5.728	91076	183751.91	7.5	245.90	353396	9.7403 ng/ml
Hydrocodone	3.027	39728	410.81	39.0	245.74	229526	10.0716 ng/ml
Hydromorphone	1.601	31856	867.43	78.8	1142.79	101571	9.5777 ng/ml
Ketamine	4.063	90266	13921.00	34.1	140.62	385502	10.0840 ng/ml
Lamotrigine	4.285	7306	329.42	81.6	114.58	385502	10.7167 ng/ml
Levetiracetam	2.644	32943	402.74	168.7	1434.42	1089706	9.6645 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.761	56394	391.62	52.2	95.81	79339	10.1893 ng/ml
MDA	3.199	143807	606.29	28.9	615.13	326899	10.3481 ng/ml
MDMA	3.292	88372	86759.00	86.5	781.81	87763	9.8829 ng/ml
Meprobamate	4.903	26563	1472.20	29.5	485.28	132926	10.7085 ng/ml
Methadone	5.673	138088	2845.96	63.6	6064.71	607963	10.0832 ng/ml
Methamphetamine	3.227	167862	396.88	38.7	423.08	643103	10.3421 ng/ml
Metoprolol	4.338	25046	1892.45	95.3	1996.47	1020531	10.2104 ng/ml
Mirtazapine	4.636	181998	1952.24	55.6	2955.05	444788	10.1240 ng/ml
Mitragynine	5.249	26203	22042.01	36.4	170.33	607963	9.5640 ng/ml
Morphine	1.240	5272	619.19	25.9	41.01	6996	10.2099 ng/ml
Norbuprenorphine	5.005	479	849.93	89.5	668.10	14153	1.0374 ng/ml
Nordiazepam	5.907	38268	277.52	55.2	352.39	128870	9.8243 ng/ml
Norfentanyl	4.090	21022	1357.85	35.0	44.92	898231	0.9555 ng/ml
Norhydrocodone	3.075	6213	198.98	38.9	26.23	61134	9.3467 ng/ml
Noroxycodone	2.912	40374	1109.40	50.0	271.70	124182	9.8536 ng/ml
O-desmethyl-tramadol	3.379	209153	674.52	6.0	754.65	1065769	9.8707 ng/ml
Oxazepam	5.763	68955	301.77	72.1	378.59	389935	9.7660 ng/ml
Oxycodone	2.836	76574	914.50	31.0	427.29	276708	10.3137 ng/ml
Oxymorphone	1.398	30656	352.21	49.4	79.18	95848	10.0001 ng/ml
Phentermine	3.780	53165	150.30	5.1	73.32	621475	10.2555 ng/ml
Promethazine	5.560	144392	448.19	31.6	192.19	644914	9.6129 ng/ml
Pseudoephedrine	2.583	214217	2499.46	16.9	103.49	1089706	9.6453 ng/ml
Quetiapine	5.575	133766	18520.29	57.8	3839.79	181701	9.9475 ng/ml
Sertraline	5.796	29738	204.57	93.6	40786.00	127096	10.2030 ng/ml
Temazepam	5.831	108392	460.65	27.9	371.91	523909	9.5805 ng/ml
Tramadol	4.257	221824	9901.56	3.5	72.90	1020531	9.9477 ng/ml
Trazodone	5.169	111248	25834.72	78.6	10664.29	446858	10.4739 ng/ml
Venlafaxine	5.050	178785	1573.31	32.0	243.36	954622	9.8083 ng/ml
Zolpidem	4.934	168208	10853.52	31.0	1123.27	817260	10.2852 ng/ml

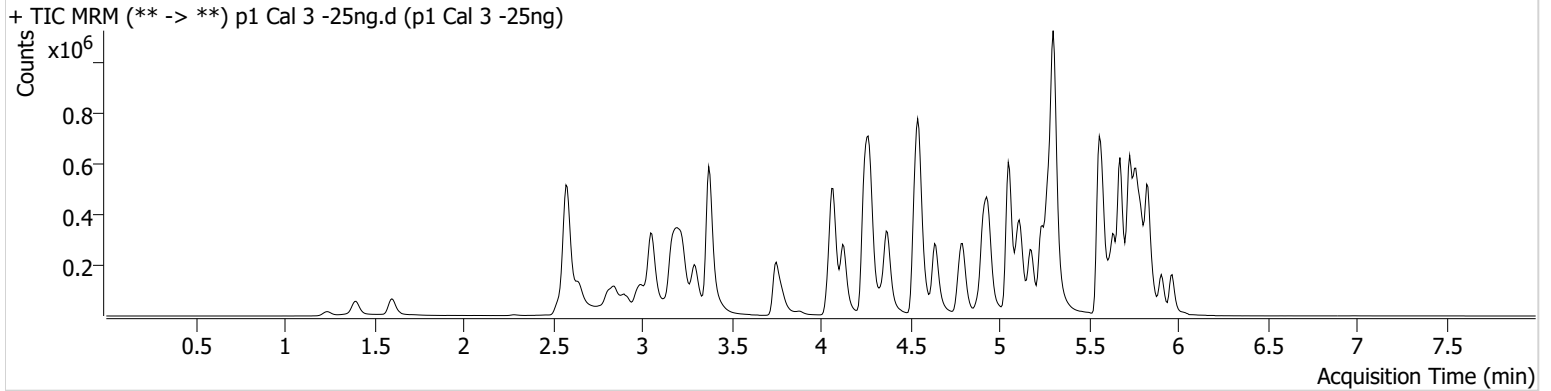
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 11:33:23 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	4259	5106.05	75.5	3624.49	42058	2.4561 ng/ml
7-aminoclonazepam	4.263	63188	241.01	72.5	181.40	96169	26.1714 ng/ml
a-hydroxyalprazolam	5.706	49704	∞	64.0	248.21	207438	27.6547 ng/ml
alpha-PHP	4.943	82789	1310.51	258.0	1527.99	434482	27.5447 ng/ml
alpha-PVP	4.375	291160	1901.69	51.2	481.39	434482	24.4539 ng/ml
Alprazolam	5.789	147178	320.19	108.8	901.37	207438	24.5009 ng/ml
Amphetamine	3.058	621776	545.87	45.6	462.00	254345	27.5958 ng/ml
Benzoylecgonine	3.884	7703	140.93	7.0	233.68	9681	24.7235 ng/ml
Buprenorphine	5.881	7656	14668.95	16.3	2465.62	108780	2.4104 ng/ml
Bupropion	4.794	297630	428.80	68.1	283.26	411610	25.4019 ng/ml
Carisoprodol	5.737	148154	1043.71	63.8	869.72	279096	23.4792 ng/ml
Citalopram	5.232	256086	4020.99	33.4	3564.38	458733	24.6379 ng/ml
Clonazepam	5.619	153475	5692.71	34.8	40821.56	84076	26.3149 ng/ml
Clonazepam	5.563	102342	1138.92	35.8	2783.87	84076	27.2165 ng/ml
Cocaine	4.276	200250	445.31	57.6	4249.19	650611	24.8051 ng/ml
Codeine	2.587	24777	31.43	107.0	1132.10	48993	26.6009 ng/ml
Cyclobenzaprine	5.642	193470	48093.02	8.5	60.46	326324	23.3453 ng/ml
Dextromethorphan	5.281	137645	220.91	85.7	3474.71	232806	24.4881 ng/ml
Dextrophan	4.130	89585	434.70	193.2	1146.37	363636	24.5082 ng/ml
Diazepam	5.967	89431	245.16	89.0	1529.92	163643	25.0163 ng/ml
Dihydrocodeine	2.566	60639	298.13	67.3	9245.58	145735	26.9488 ng/ml
Diphenhydramine	5.309	637780	9694.49	31.8	4758.09	1602188	24.0748 ng/ml
Doxylamine	4.548	705883	961.42	98.4	25960.96	1262134	24.6791 ng/ml
EDDP	5.274	201884	245.42	41.5	1019.11	434593	24.3518 ng/ml
Etizolam	5.827	75930	2505.30	27.0	1724.85	84076	22.8689 ng/ml
Fentanyl	5.116	24281	623.35	62.6	11745.90	505044	2.5358 ng/ml
Flualprazolam	5.712	59505	4766.80	95.8	657.57	207438	27.2644 ng/ml
Fluoxetine	5.728	251970	510.90	7.7	731.14	382984	24.1231 ng/ml
Hydrocodone	3.027	99489	341.26	36.9	162.12	226153	26.6208 ng/ml
Hydromorphone	1.608	79587	3961.33	72.9	227480.15	99555	24.6432 ng/ml
Ketamine	4.063	220614	6173.45	33.8	239.28	385359	25.3972 ng/ml
Lamotrigine	4.285	17444	409.01	87.0	16674.31	385359	26.4199 ng/ml
Levetiracetam	2.644	79636	591.68	162.5	494.04	1036508	24.4163 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.761	141208	2134.71	54.9	411.04	84076	27.4555 ng/ml
MDA	3.199	347133	1259.84	28.8	832.40	320920	26.6590 ng/ml
MDMA	3.299	219637	135418.11	85.9	941.52	89122	24.3145 ng/ml
Meprobamate	4.910	67141	1494.58	27.9	136.19	143488	26.4767 ng/ml
Methadone	5.673	373071	19557.22	61.8	5483.08	646806	23.6391 ng/ml
Methamphetamine	3.227	405962	371.92	38.4	611.93	647927	26.9969 ng/ml
Metoprolol	4.338	62306	100691.03	95.8	715.96	1016438	26.7992 ng/ml
Mirtazapine	4.636	462246	26909.27	55.7	3298.16	434482	26.0478 ng/ml
Mitragynine	5.249	72315	2716.03	36.5	31690.61	646806	25.0655 ng/ml
Morphine	1.240	12243	254.24	30.3	499.25	7179	23.4196 ng/ml
Norbuprenorphine	5.005	1100	591.09	95.4	282.81	16488	2.4813 ng/ml
Nordiazepam	5.914	103130	4262.30	55.0	504.98	135490	25.5022 ng/ml
Norfentanyl	4.090	54695	8047.32	34.9	46.98	893140	2.4047 ng/ml
Norhydrocodone	3.075	15048	117.93	37.1	44.18	56729	22.5034 ng/ml
Noroxycodone	2.918	101351	152.69	47.1	16.43	121412	25.5064 ng/ml
O-desmethyl-tramadol	3.379	520113	62488.13	5.8	266.34	1069186	24.2375 ng/ml
Oxazepam	5.763	176880	5667.63	73.7	982.25	398854	25.2146 ng/ml
Oxycodone	2.843	185865	286.44	30.0	207.37	270731	26.6532 ng/ml
Oxymorphone	1.398	74603	∞	47.1	74.00	98046	24.3945 ng/ml
Phentermine	3.787	131057	920.29	5.3	54.78	627152	26.6820 ng/ml
Promethazine	5.560	425586	681.97	30.6	8252.72	727182	24.5694 ng/ml
Pseudoephedrine	2.583	533989	10795.36	16.4	6277.51	1036508	24.8521 ng/ml
Quetiapine	5.575	342659	9237.70	56.1	389.23	181995	25.7584 ng/ml
Sertraline	5.803	77943	3626.10	97.1	92056.46	135395	24.3798 ng/ml
Temazepam	5.831	285190	6596.69	28.3	218.52	541320	25.1305 ng/ml
Tramadol	4.257	556932	9955.49	3.3	132.05	1016438	25.7186 ng/ml
Trazodone	5.175	290591	1140.44	81.8	89640.00	485566	25.9381 ng/ml
Venlafaxine	5.050	456867	19356.30	32.2	2949.99	960631	24.4296 ng/ml
Zolpidem	4.934	416670	10672.59	30.9	694.72	822130	26.3641 ng/ml

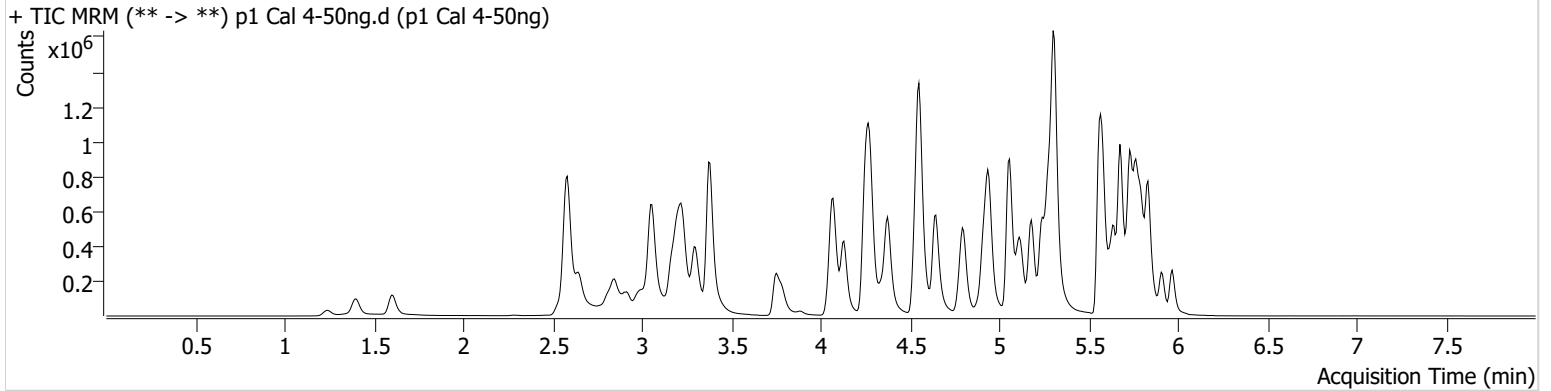
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 11:43:59 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	9452	297.92	73.8	4251.90	46558	4.9450 ng/ml
7-aminoclonazepam	4.270	107722	810.44	71.5	2072.86	80184	54.3871 ng/ml
a-hydroxyalprazolam	5.706	96362	316.66	67.9	1204.37	209724	54.1885 ng/ml
alpha-PHP	4.949	174344	1197.50	265.2	13914.05	483425	52.8279 ng/ml
alpha-PVP	4.375	653158	30050.27	50.8	10682.55	483425	49.2051 ng/ml
Alprazolam	5.789	309207	560.83	107.8	1097.95	209724	50.8487 ng/ml
Amphetamine	3.058	1303323	17029.72	46.0	6875.15	277719	53.6817 ng/ml
Benzoylcegonine	3.884	17004	10430.85	8.1	1610.83	10863	48.5199 ng/ml
Buprenorphine	5.881	16607	810.34	14.9	2819.25	115190	4.9035 ng/ml
Bupropion	4.800	642942	30557.55	68.3	617.22	446487	50.7481 ng/ml
Carisoprodol	5.737	304297	1219.49	61.9	365.62	277190	46.8600 ng/ml
Citalopram	5.239	542209	549.68	33.5	371.78	482681	49.4269 ng/ml
Clonazepam	5.619	318260	2825.15	34.4	25043.10	85540	54.3147 ng/ml
Clonazepam	5.563	202160	82718.29	37.2	118707.73	85540	54.6271 ng/ml
Cocaine	4.276	444370	13981.79	57.0	3607.61	722081	49.7404 ng/ml
Codeine	2.587	53755	6419.68	106.4	2555.66	52266	54.4441 ng/ml
Cyclobenzaprine	5.642	426046	74313.72	8.3	429.25	352446	47.2187 ng/ml
Dextromethorphan	5.281	288401	314.77	86.6	10155.04	243644	49.1720 ng/ml
Dextrophan	4.130	195073	249.48	198.6	30000.77	397226	48.4860 ng/ml
Diazepam	5.967	190065	649.18	89.7	6490.56	170946	51.1270 ng/ml
Dihydrocodeine	2.566	135126	276.14	71.4	128.85	163536	54.8573 ng/ml
Diphenhydramine	5.309	1382638	37883.57	30.9	31616.18	1695289	49.0730 ng/ml
Doxylamine	4.548	1509184	49094.12	98.0	4998.75	1325274	50.3192 ng/ml
EDDP	5.274	451221	322.76	40.9	2441.90	471165	50.0839 ng/ml
Etizolam	5.827	157882	7102.89	27.1	1360.61	85540	46.1499 ng/ml
Fentanyl	5.116	51675	1417.60	64.4	68619.41	557033	4.8750 ng/ml
Flualprazolam	5.719	112945	13355.57	99.5	1779.68	209724	51.7698 ng/ml
Fluoxetine	5.735	521622	607.36	7.9	11032.41	400496	47.2872 ng/ml
Hydrocodone	3.027	208777	386.97	38.9	462.76	240201	53.2436 ng/ml
Hydromorphone	1.608	173298	1163194.64	76.7	3418.94	106391	50.3669 ng/ml
Ketamine	4.063	491985	27589.50	34.5	221.08	415631	53.0609 ng/ml
Lamotrigine	4.285	38070	334.96	86.9	49584.45	415631	54.0650 ng/ml
Levetiracetam	2.651	170650	3118.76	164.9	3927.40	1157222	46.7765 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.761	268477	10145.74	52.8	837.95	85540	53.4617 ng/ml
MDA	3.199	734159	3826.07	28.8	1166.16	344168	53.3823 ng/ml
MDMA	3.299	487570	84514.99	86.8	6255.11	96555	49.9124 ng/ml
Meprobamate	4.910	148238	351.43	29.1	2173.58	163447	52.2992 ng/ml
Methadone	5.673	805238	3004.59	60.9	700.80	681089	47.1134 ng/ml
Methamphetamine	3.227	884912	626.11	38.9	9275.71	724573	54.0945 ng/ml
Metoprolol	4.338	134932	242843.83	95.6	3566.98	1142135	52.4530 ng/ml
Mirtazapine	4.643	966071	7733.09	54.4	8242.20	483425	48.7760 ng/ml
Mitragynine	5.250	152739	1799.63	37.7	4554.21	681089	50.4382 ng/ml
Morphine	1.240	28480	477.04	29.1	634.11	7526	52.2708 ng/ml
Norbuprenorphine	5.005	2125	1105.04	96.8	2862.79	17522	4.8794 ng/ml
Nordiazepam	5.914	213099	1334.54	54.2	21627.07	138965	51.5851 ng/ml
Norfentanyl	4.097	117184	597.79	35.6	36.65	971520	4.6790 ng/ml
Norhydrocodone	3.075	31794	87.78	39.2	96.79	57850	45.3623 ng/ml
Noroxycodone	2.918	214180	1597.59	48.8	191.98	129378	50.7123 ng/ml
O-desmethyl-tramadol	3.379	1162584	126739.97	5.9	462.32	1196768	48.2462 ng/ml
Oxazepam	5.763	357323	251.09	73.5	1159.08	392781	52.2295 ng/ml
Oxycodone	2.843	407891	2313.39	30.7	864.47	300056	53.4812 ng/ml
Oxymorphone	1.398	171537	119.26	47.4	∞	107313	51.7292 ng/ml
Phentermine	3.787	285869	276.87	5.1	487.36	697676	53.4027 ng/ml
Promethazine	5.560	939755	7237.00	31.0	300.64	808205	48.4722 ng/ml
Pseudoephedrine	2.583	1174865	433.77	17.1	337.16	1157222	48.7202 ng/ml
Quetiapine	5.575	694305	27857.32	58.6	21470.12	187523	50.8509 ng/ml
Sertraline	5.803	168149	3899.27	96.0	30629.32	150310	46.9100 ng/ml
Temazepam	5.831	580097	1174.94	28.4	853.37	540206	51.7156 ng/ml
Tramadol	4.257	1221731	847.66	3.4	519.74	1142135	50.6116 ng/ml
Trazodone	5.175	647223	60826.75	80.7	471.87	536421	52.8443 ng/ml
Venlafaxine	5.056	979859	90525.06	32.6	403.32	1060111	47.1855 ng/ml
Zolpidem	4.934	926330	307502.40	30.8	3276.86	910239	53.6533 ng/ml

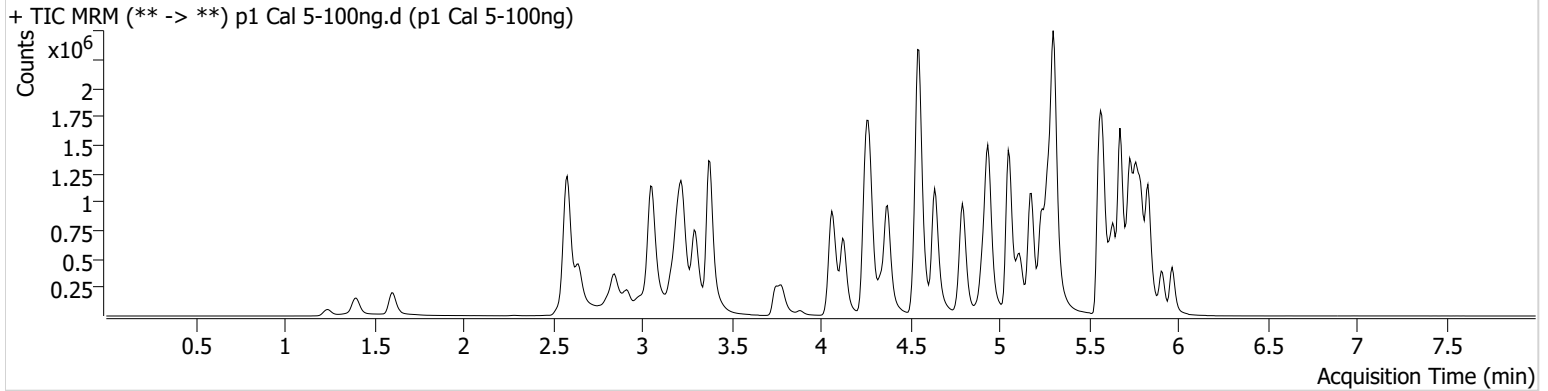
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 11:54:35 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	19149	26611.48	72.1	492.58	48056	9.7263 ng/ml
7-aminoclonazepam	4.263	186543	8608.04	72.0	496.08	72014	105.6445 ng/ml
a-hydroxyalprazolam	5.706	176040	784.33	65.6	360.12	209992	99.9083 ng/ml
alpha-PHP	4.943	361661	4775.37	252.4	3618.46	497221	107.3376 ng/ml
alpha-PVP	4.375	1345989	2078.70	50.0	701.68	497221	98.4883 ng/ml
Alprazolam	5.789	613556	1399.98	107.3	∞	209992	100.7113 ng/ml
Amphetamine	3.058	2467776	1444.72	46.3	10030.81	285899	99.3795 ng/ml
Benzoylecgonine	3.884	36689	546.68	7.5	586.25	11712	96.9815 ng/ml
Buprenorphine	5.881	35701	69252.50	15.4	4223.58	123932	9.7648 ng/ml
Bupropion	4.794	1405548	84042.95	68.8	1063.36	490861	101.0729 ng/ml
Carisoprodol	5.737	567316	47293.88	63.3	2739.31	258206	92.1965 ng/ml
Citalopram	5.232	1098674	5937.98	34.3	263.27	490599	98.3891 ng/ml
Clonazepam	5.619	600215	29435.46	34.1	4902.05	84054	104.8459 ng/ml
Clonazepam	5.563	384063	12851.42	37.2	197401.08	84054	107.3850 ng/ml
Cocaine	4.269	864753	14817.18	56.8	1018.35	701021	99.8486 ng/ml
Codeine	2.587	103786	135.20	103.2	4550.03	51272	107.4775 ng/ml
Cyclobenzaprine	5.642	797494	33675.35	8.3	1011.18	323013	96.0585 ng/ml
Dextromethorphan	5.281	589848	22162.17	82.3	477.59	242715	101.1063 ng/ml
Dextrophan	4.130	397414	25290.97	196.7	1087.11	402463	97.1185 ng/ml
Diazepam	5.967	374289	6789.30	88.7	1889.93	170315	101.2744 ng/ml
Dihydrocodeine	2.559	269106	301.33	70.0	4774.47	165943	108.9758 ng/ml
Diphenhydramine	5.309	2801665	99757.94	31.6	27756.79	1714188	98.0996 ng/ml
Doxylamine	4.548	3000968	89669.97	98.0	1717.38	1302658	101.8633 ng/ml
EDDP	5.274	809577	15770.09	41.7	187971.76	431767	97.9526 ng/ml
Etizolam	5.827	315884	7241.00	26.7	236605.95	84054	93.3837 ng/ml
Fentanyl	5.116	113092	8993.77	63.2	434069.19	596678	9.9400 ng/ml
Flualprazolam	5.712	234687	2183.45	100.3	13241.53	209992	108.1495 ng/ml
Fluoxetine	5.728	861458	15908.88	7.6	211.87	321313	96.8341 ng/ml
Hydrocodone	3.027	413678	578.85	38.2	247.16	248247	102.6878 ng/ml
Hydromorphone	1.608	350789	1144350.54	79.3	1622386.97	105258	103.2043 ng/ml
Ketamine	4.063	991621	29769.35	34.2	277.36	430450	103.7513 ng/ml
Lamotrigine	4.285	73098	1673.95	88.7	5522.34	430450	100.7421 ng/ml
Levetiracetam	2.644	352834	534.34	163.1	435.40	1134572	98.5407 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.761	457595	1825.20	53.9	1626.89	84054	94.5531 ng/ml
MDA	3.199	1381704	16999.67	28.2	1753.92	337061	103.3525 ng/ml
MDMA	3.299	980067	16670.26	87.9	1839.75	96775	100.1891 ng/ml
Meprobamate	4.903	315180	571.95	28.4	263.33	181067	101.3368 ng/ml
Methadone	5.673	1670183	2610.34	59.5	20425.88	694548	94.5056 ng/ml
Methamphetamine	3.227	1804372	1594.28	38.5	1364.26	748426	108.2958 ng/ml
Metoprolol	4.338	275225	5487.23	96.6	5664.91	1164655	105.7871 ng/ml
Mirtazapine	4.636	1883147	106463.57	54.6	11743.69	497221	92.2862 ng/ml
Mitragynine	5.250	317551	46159.63	37.3	625.94	694548	102.9976 ng/ml
Morphine	1.240	56575	303.93	29.4	181.22	7482	104.6894 ng/ml
Norbuprenorphine	5.005	4440	9868.04	94.7	32509.92	18926	9.8571 ng/ml
Nordiazepam	5.914	402915	13586.75	54.0	690.87	133852	101.4567 ng/ml
Norfentanyl	4.090	237008	30425.39	35.9	68.06	955794	9.5568 ng/ml
Norhydrocodone	3.075	60330	246.84	39.2	104.83	50899	96.4715 ng/ml
Noroxycodone	2.918	395740	1939.60	49.4	6306.57	121664	99.7697 ng/ml
O-desmethyl-tramadol	3.379	2379561	1641.76	6.0	386.17	1206364	97.8036 ng/ml
Oxazepam	5.763	627906	585.52	72.3	3726.08	347687	104.1568 ng/ml
Oxycodone	2.843	807409	578.85	30.2	826.58	300703	106.3392 ng/ml
Oxymorphone	1.398	318274	250.29	50.0	∞	104204	99.2425 ng/ml
Phentermine	3.787	567050	1733.92	5.0	862.84	709816	105.1908 ng/ml
Promethazine	5.560	1711909	1665.79	30.8	36880.72	726201	97.9150 ng/ml
Pseudoephedrine	2.583	2300056	28727.75	17.1	3518.86	1134572	97.0231 ng/ml
Quetiapine	5.575	1308642	30829.68	58.8	242563.39	179515	100.3184 ng/ml
Sertraline	5.803	271629	16011.82	93.7	62725.70	114062	99.3022 ng/ml
Temazepam	5.831	1072739	19702.54	27.6	8299.75	507100	102.3388 ng/ml
Tramadol	4.251	2468987	1235.94	3.3	509.59	1164655	100.7177 ng/ml
Trazodone	5.175	1317056	430.17	81.0	2261.54	559114	103.6858 ng/ml
Venlafaxine	5.050	2073501	77258.22	31.4	1744.78	1085522	97.1818 ng/ml
Zolpidem	4.934	1851485	123144.08	30.1	2617.10	937307	104.8093 ng/ml

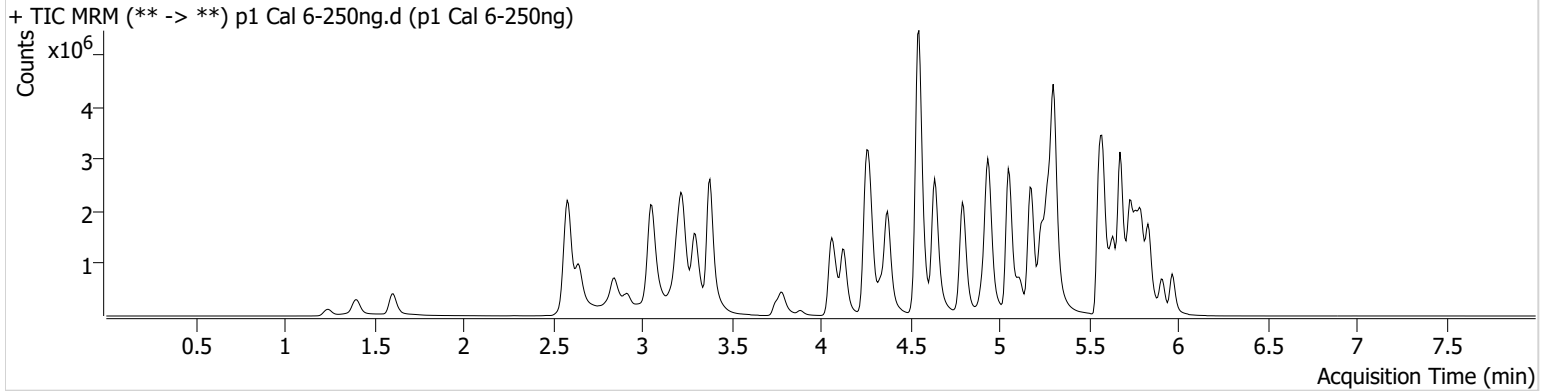
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 12:05:12 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	46829	743.49	68.9	17956.54	46828	24.4419 ng/ml
7-aminoclonazepam	4.263	349495	5864.42	71.1	2373.73	59917	238.9393 ng/ml
a-hydroxyalprazolam	5.706	306233	912.73	66.5	1105.07	180613	203.3578 ng/ml
alpha-PHP	4.943	777869	43356.55	260.0	11302.92	455139	253.2603 ng/ml
alpha-PVP	4.375	3157277	170127.80	50.6	23583.99	455139	252.2328 ng/ml
Alprazolam	5.789	1306537	1297.95	106.8	1962.08	180613	249.2561 ng/ml
Amphetamine	3.058	4933980	875.87	46.2	2764.51	266112	214.3511 ng/ml
Benzoylcegonine	3.884	94569	1650.60	8.1	843.16	12211	239.5744 ng/ml
Buprenorphine	5.881	90586	7498.27	15.2	23890.28	122568	25.0013 ng/ml
Bupropion	4.794	3390644	392011.87	67.6	19925.63	476077	251.6339 ng/ml
Carisoprodol	5.737	1034051	400.47	62.0	317.39	181727	236.2454 ng/ml
Citalopram	5.232	2407099	92172.35	33.7	25877.17	413756	255.3585 ng/ml
Clonazepam	5.619	1154570	603.99	34.8	716.37	67712	251.2613 ng/ml
Clonazepam	5.563	681476	9470.55	37.4	201372.04	67712	238.8073 ng/ml
Cocaine	4.276	1883374	155183.28	56.9	42512.86	609808	250.2078 ng/ml
Codeine	2.587	218841	10377.05	99.9	3863.73	45420	256.2882 ng/ml
Cyclobenzaprine	5.642	1754485	45548.80	8.2	4273.47	265382	256.6064 ng/ml
Dextromethorphan	5.281	1194204	22350.30	83.2	24682.43	198685	250.2765 ng/ml
Dextrophan	4.130	919342	673.98	199.3	18777.68	362930	248.5565 ng/ml
Diazepam	5.967	818527	6480.16	89.8	6522.61	151096	249.9751 ng/ml
Dihydrocodeine	2.559	606407	16056.22	70.5	36052.92	159778	256.8671 ng/ml
Diphenhydramine	5.309	6187874	64975.48	31.8	29612.93	1482305	250.1870 ng/ml
Doxylamine	4.548	7557488	113132.40	96.8	161124.46	1278281	261.5236 ng/ml
EDDP	5.274	1998004	54006.19	41.6	18015.08	418472	249.2495 ng/ml
Etizolam	5.827	663204	3979.28	27.7	1168.13	67712	242.4718 ng/ml
Fentanyl	5.116	266809	14595.70	65.8	480707.47	566787	24.6587 ng/ml
Flualprazolam	5.712	466082	14715.22	104.0	11320.04	180613	250.5895 ng/ml
Fluoxetine	5.735	1598414	563.78	7.9	905.88	224928	255.8770 ng/ml
Hydrocodone	3.027	917973	∞	38.2	356.34	232132	244.6001 ng/ml
Hydromorphone	1.608	820032	14994.44	78.7	7798.99	102840	247.1392 ng/ml
Ketamine	4.063	2321221	441892.47	33.6	738.33	415640	252.2500 ng/ml
Lamotrigine	4.292	145850	1932.71	91.0	6099.62	415640	208.8023 ng/ml
Levetiracetam	2.651	815879	22091.26	164.1	2437.84	983029	262.8310 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.761	659562	49609.23	52.0	1842.55	67712	171.1332 ng/ml
MDA	3.199	2617167	1867.31	27.9	3894.38	280019	236.7112 ng/ml
MDMA	3.299	2213898	10253.59	87.5	48708.87	86702	252.7450 ng/ml
Meprobamate	4.903	609279	∞	27.8	177.22	165788	215.1107 ng/ml
Methadone	5.673	3764566	47979.27	59.2	143812.30	607607	241.4800 ng/ml
Methamphetamine	3.227	4105371	58895.95	38.1	13506.54	738786	251.6371 ng/ml
Metoprolol	4.338	598986	8592.43	97.3	32742.10	1028138	262.0683 ng/ml
Mirtazapine	4.636	4531940	13253.14	54.3	104425.37	455139	242.3486 ng/ml
Mitragynine	5.250	711112	126789.58	36.8	480890.15	607607	263.9026 ng/ml
Morphine	1.247	136185	159.37	29.2	207.91	7466	252.8794 ng/ml
Norbuprenorphine	5.005	10982	46659.24	91.1	3815.30	18784	25.2364 ng/ml
Nordiazepam	5.914	839672	1032.96	53.9	6165.99	112543	251.7697 ng/ml
Norfentanyl	4.090	552389	19454.74	36.1	3272.16	824469	25.7210 ng/ml
Norhydrocodone	3.075	137464	∞	39.4	445.47	41828	265.3999 ng/ml
Noroxycodone	2.918	792973	1236.08	48.4	10957.11	100226	242.8645 ng/ml
O-desmethyl-tramadol	3.379	5742563	126349.74	5.8	28000.05	1126520	252.5105 ng/ml
Oxazepam	5.763	999912	10010.00	74.0	251.10	229743	251.6923 ng/ml
Oxycodone	2.836	1819935	∞	30.4	1919.54	287147	251.9890 ng/ml
Oxymorphone	1.398	784553	∞	46.8	∞	98480	259.5593 ng/ml
Phentermine	3.787	1224307	13221.26	4.8	1707.28	675017	240.2593 ng/ml
Promethazine	5.560	4042496	44157.16	29.8	1799.03	671783	249.4084 ng/ml
Pseudoephedrine	2.590	5238790	25787.41	16.8	64905.73	983029	254.6274 ng/ml
Quetiapine	5.575	2841423	41645.49	60.3	48680.11	153298	255.3860 ng/ml
Sertraline	5.803	501383	602.00	94.5	692760.93	83964	248.2555 ng/ml
Temazepam	5.831	1944960	17189.37	27.5	2545.65	368904	255.7654 ng/ml
Tramadol	4.251	5577535	∞	3.3	1213.23	1028138	258.3948 ng/ml
Trazodone	5.169	3108362	119174.80	82.4	1778.95	543073	252.7092 ng/ml
Venlafaxine	5.050	4945293	2156.55	31.0	6652.95	999497	251.2332 ng/ml
Zolpidem	4.934	4202504	16237.76	29.4	3472.59	883789	253.3004 ng/ml

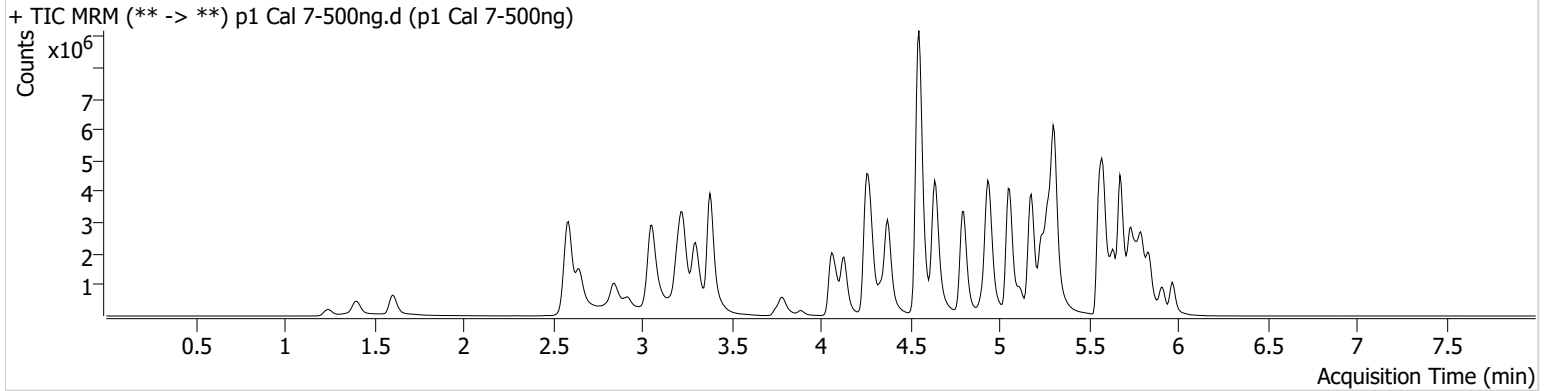
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 12:15:48 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	80986	33191.55	68.6	1442.46	38596	51.3088 ng/ml
7-aminoclonazepam	4.270	674658	2837.91	69.1	8430.89	64344	430.1783 ng/ml
a-hydroxyalprazolam	5.699	373918	749.81	67.0	358.09	132055	340.4525 ng/ml
alpha-PHP	4.949	1152404	25554.70	260.8	7262.82	370174	461.9606 ng/ml
alpha-PVP	4.375	5173937	19201.20	51.1	836.18	370174	508.1173 ng/ml
Alprazolam	5.789	1969131	1646.50	105.7	831.86	132055	513.7319 ng/ml
Amphetamine	3.058	7101800	3595.48	46.1	4349.24	225250	365.0373 ng/ml
Benzoylecgonine	3.890	162032	270.96	8.3	1206.53	10440	479.9895 ng/ml
Buprenorphine	5.881	149124	3029.21	15.2	39367.83	100009	50.4085 ng/ml
Bupropion	4.800	5595309	92735.31	67.2	17846.13	399176	495.4070 ng/ml
Carisoprodol	5.737	1291105	10212.51	62.2	723.11	107558	496.6178 ng/ml
Citalopram	5.232	3698515	131655.67	33.3	38203.04	317780	510.7109 ng/ml
Clonazepam	5.619	1498167	491.01	34.5	12227.05	46494	475.4128 ng/ml
Clonazepam	5.556	797810	7428.70	37.5	15238.97	46494	408.5008 ng/ml
Cocaine	4.276	2954795	91710.93	56.6	37837.92	479638	499.2251 ng/ml
Codeine	2.587	325878	2340.80	97.1	16263.04	37016	468.5605 ng/ml
Cyclobenzaprine	5.642	2681248	809.48	8.2	284.42	199760	520.5982 ng/ml
Dextromethorphan	5.281	1734530	82561.11	82.9	100190.28	141671	509.9569 ng/ml
Dextrophan	4.130	1503549	87383.70	197.2	72433.05	286035	515.3868 ng/ml
Diazepam	5.967	1216616	∞	87.9	376.14	113630	494.2767 ng/ml
Dihydrocodeine	2.559	968231	471448.11	71.8	10154.14	144086	455.8479 ng/ml
Diphenhydramine	5.309	9610043	167394.40	30.9	66193.08	1123671	512.3100 ng/ml
Doxylamine	4.548	13333287	396242.17	96.2	260784.20	1150019	512.9161 ng/ml
EDDP	5.274	3338733	91815.37	41.1	70123.24	338974	514.0665 ng/ml
Etizolam	5.827	1014335	666.84	27.1	676.23	46494	539.4017 ng/ml
Fentanyl	5.116	459734	948.41	63.6	563743.69	477217	50.4437 ng/ml
Flualprazolam	5.712	644822	4645.07	107.3	16970.39	132055	474.7613 ng/ml
Fluoxetine	5.735	2222848	77576.06	7.8	569.90	158749	503.7134 ng/ml
Hydrocodone	3.027	1484837	170.43	39.5	323.19	192213	478.4456 ng/ml
Hydromorphone	1.608	1386703	4188740.76	78.9	1010634.55	86957	494.4019 ng/ml
Ketamine	4.063	3732271	7869.63	33.8	1623.41	351261	480.3906 ng/ml
Lamotrigine	4.292	204889	4788.06	90.2	746.55	351261	347.4782 ng/ml
Levetiracetam	2.651	1263723	5693.25	165.1	5223.08	785332	509.4953 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.761	669188	20656.14	54.4	1242.67	46494	254.0556 ng/ml
MDA	3.199	3649155	1292.86	25.6	3737.59	208554	443.8727 ng/ml
MDMA	3.299	3500607	200910.08	86.9	3715.61	68795	503.7534 ng/ml
Meprobamate	4.910	816214	1634.68	28.0	115.52	131089	365.1751 ng/ml
Methadone	5.673	5859916	87718.36	59.1	60244.08	456416	499.0322 ng/ml
Methamphetamine	3.227	6603742	38318.50	37.7	3034.34	640525	468.1952 ng/ml
Metoprolol	4.338	886870	39116.60	99.2	4297.13	836427	477.6690 ng/ml
Mirtazapine	4.636	7853214	9053.28	53.9	133177.87	370174	516.1525 ng/ml
Mitragynine	5.250	990816	4677.29	37.2	51556.81	456416	489.6460 ng/ml
Morphine	1.247	234598	925.32	28.8	1600.36	6399	508.5348 ng/ml
Norbuprenorphine	5.005	17633	79.41	96.3	52023.49	15559	49.3401 ng/ml
Nordiazepam	5.914	1176502	33498.61	53.2	921.12	81201	489.1203 ng/ml
Norfentanyl	4.097	918661	20292.70	36.3	6253.21	625848	56.2810 ng/ml
Norhydrocodone	3.075	234934	171.38	40.2	∞	32328	585.4490 ng/ml
Noroxycodone	2.918	1139728	23393.99	48.5	2160.09	69420	504.1078 ng/ml
O-desmethyl-tramadol	3.379	9659246	∞	5.8	13634.75	924090	517.6125 ng/ml
Oxazepam	5.763	1058826	5404.57	72.8	11304.68	126066	486.1576 ng/ml
Oxycodone	2.836	2952283	937.21	30.4	910.20	250253	469.6588 ng/ml
Oxymorphone	1.398	1245320	∞	46.8	∞	84644	479.7170 ng/ml
Phentermine	3.787	1859609	3879.11	4.8	2592.18	574311	429.8101 ng/ml
Promethazine	5.560	6424976	3683.60	29.2	1294.67	512893	518.8257 ng/ml
Pseudoephedrine	2.590	8171304	87502.71	16.7	48950.48	785332	496.8899 ng/ml
Quetiapine	5.575	4755879	100578.29	59.9	26345.31	134021	489.1271 ng/ml
Sertraline	5.803	768566	15180.76	93.4	5209.26	64956	491.4196 ng/ml
Temazepam	5.837	2348984	24407.24	27.8	3864.27	228025	500.1902 ng/ml
Tramadol	4.251	8833940	160594.55	3.2	∞	836427	503.4595 ng/ml
Trazodone	5.175	5025674	99646.95	82.7	156445.44	459133	483.7787 ng/ml
Venlafaxine	5.050	8151497	232707.24	30.4	4246.88	793490	521.2958 ng/ml
Zolpidem	4.934	6690936	136646.58	28.8	1504.90	750808	475.3367 ng/ml

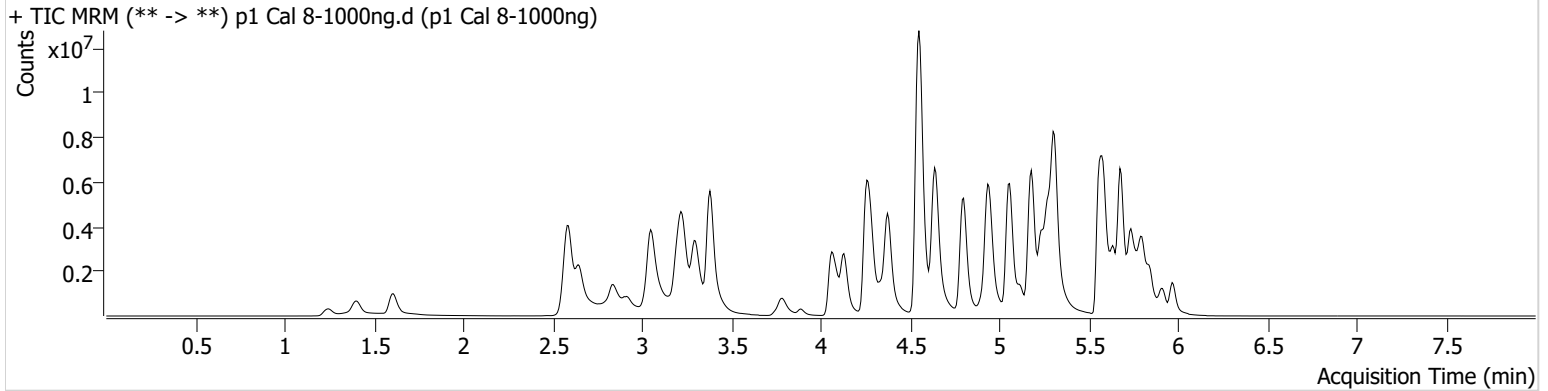
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/1/2022 1:29:51 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	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	6/29/2022 12:26:25 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.141	136878	521633.62	69.0	5405.63	32001	104.6112 ng/ml
7-aminoclonazepam	4.270	688268	7033.35	78.0	1489.73	45123	626.1834 ng/ml
a-hydroxyalprazolam	5.699	397154	160.92	65.9	322.03	95173	502.3425 ng/ml
alpha-PHP	4.949	1684976	82769.87	261.3	9319.25	292190	856.3889 ng/ml
alpha-PVP	4.375	8282163	12315.80	50.7	134383.80	292190	1030.3513 ng/ml
Alprazolam	5.789	2700843	717.49	105.7	673.01	95173	977.6455 ng/ml
Amphetamine	3.051	9780962	1736.33	46.2	1037.23	174721	648.7358 ng/ml
Benzoylecgonine	3.884	302557	824.81	8.2	1171.72	9040	1034.9129 ng/ml
Buprenorphine	5.881	272467	15630.11	15.0	311095.48	86711	106.1902 ng/ml
Bupropion	4.800	9254466	337561.00	66.3	∞	336438	972.3401 ng/ml
Carisoprodol	5.744	1364572	4769.01	61.9	11036.41	54814	1028.2285 ng/ml
Citalopram	5.232	5265562	257315.21	33.8	250.56	229573	1006.3189 ng/ml
Clonazepam	5.619	1763234	504.57	34.0	275026.80	30125	864.0820 ng/ml
Clonazepam	5.556	791194	36334.26	37.8	692.49	30125	626.2403 ng/ml
Cocaine	4.276	4318042	100095.78	56.8	44153.17	347281	1007.7463 ng/ml
Codeine	2.587	464474	14287.61	97.6	6895.89	28668	862.5901 ng/ml
Cyclobenzaprine	5.642	4409635	320.26	7.8	3122.94	156789	1090.4402 ng/ml
Dextromethorphan	5.281	2386606	26227.46	82.5	24060.11	99859	995.6069 ng/ml
Dextrophan	4.130	2358739	22194.56	202.4	2981.05	218319	1058.9221 ng/ml
Diazepam	5.967	1819547	3827.78	89.0	8703.24	87076	964.8789 ng/ml
Dihydrocodeine	2.559	1492251	22505.63	70.6	12808.30	123631	819.8862 ng/ml
Diphenhydramine	5.309	14343497	192242.57	31.3	50935.48	810634	1059.6722 ng/ml
Doxylamine	4.548	20418891	547650.58	97.4	131332.36	979241	922.5319 ng/ml
EDDP	5.274	5671609	112140.13	40.7	83800.93	287858	1028.2192 ng/ml
Etizolam	5.834	1414013	439.59	28.0	23978.52	30125	1159.8640 ng/ml
Fentanyl	5.116	872144	4532.62	63.9	78963.05	442847	103.1016 ng/ml
Flualprazolam	5.712	834671	4512.53	109.2	16891.92	95173	853.2272 ng/ml
Fluoxetine	5.735	3962185	82302.90	7.6	5094.63	130698	1090.0114 ng/ml
Hydrocodone	3.021	2332451	336.35	38.5	180.63	156429	924.1017 ng/ml
Hydromorphone	1.608	2296730	16330460.34	78.0	7415060.36	69966	1017.8752 ng/ml
Ketamine	4.063	5989517	2271.13	32.8	20785.13	293864	921.9757 ng/ml
Lamotrigine	4.292	250485	10474.39	94.8	60703.21	293864	508.0522 ng/ml
Levetiracetam	2.651	1875244	2709.79	168.0	24208.28	571717	1038.4308 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.761	670511	17691.03	53.6	1275.72	30125	394.2281 ng/ml
MDA	3.192	4505171	53745.25	26.6	3090.64	160120	714.2654 ng/ml
MDMA	3.299	5370016	90223.06	86.8	79909.71	52671	1009.4270 ng/ml
Meprobamate	4.903	1079211	1563.56	28.7	133.21	110470	573.5565 ng/ml
Methadone	5.673	9495473	1865.34	57.7	1274.12	361982	1018.2638 ng/ml
Methamphetamine	3.227	10446056	171086.05	36.7	3549.88	577820	822.1484 ng/ml
Metoprolol	4.338	1237359	5645.04	98.8	95848.58	673072	828.8232 ng/ml
Mirtazapine	4.636	12658650	9724.29	53.0	1605.51	292190	1053.8646 ng/ml
Mitragynine	5.250	1522903	342761.78	37.0	38530.20	361982	949.0839 ng/ml
Morphine	1.247	370823	∞	29.7	1721.39	5555	926.0963 ng/ml
Norbuprenorphine	5.005	31748	659.68	91.0	181.61	13528	102.6491 ng/ml
Nordiazepam	5.914	1540339	3478.15	52.8	10162.81	53910	964.7695 ng/ml
Norfentanyl	4.097	1461034	210.26	36.0	1069.96	440997	126.9538 ng/ml
Norhydrocodone	3.075	392963	253.65	40.3	∞	25053	1262.2360 ng/ml
Noroxycodone	2.918	1561512	8221.87	47.9	19918.61	47937	1000.3182 ng/ml
O-desmethyl-tramadol	3.379	15327935	∞	5.8	1412.60	730585	1038.7790 ng/ml
Oxazepam	5.763	999968	11859.08	71.1	8889.00	61233	945.7116 ng/ml
Oxycodone	2.829	4396959	∞	30.2	952.67	203659	860.1120 ng/ml
Oxymorphone	1.398	2077323	∞	46.7	∞	67893	998.1193 ng/ml
Phentermine	3.787	2679916	∞	4.8	1289.98	501614	709.9097 ng/ml
Promethazine	5.560	11408231	301308.63	28.9	1903.68	451685	1045.7153 ng/ml
Pseudoephedrine	2.590	12718968	50791.48	16.4	48738.83	571717	1062.1139 ng/ml
Quetiapine	5.582	6765369	128422.02	59.6	124947.42	97133	960.2327 ng/ml
Sertraline	5.803	1405340	45028.10	94.8	38400.00	57526	1014.1132 ng/ml
Temazepam	5.837	2685912	41077.08	27.6	6171.85	131735	990.4532 ng/ml
Tramadol	4.251	13008341	∞	3.2	18874.62	673072	921.6447 ng/ml
Trazodone	5.175	8682978	184064.33	82.3	107569.48	435828	880.9763 ng/ml
Venlafaxine	5.056	12894047	4857.06	29.9	5197.64	617915	1058.5661 ng/ml
Zolpidem	4.934	9982320	2240.19	28.1	1591.28	615341	865.8667 ng/ml

**Idaho State Police
Forensic Services**

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): TOX-22-01

Date of Request: **2/3/2022**

Requestor/Discipline: Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #: AM #25, AM #28, AM #29, Revision 13

Temporary or Permanent Deviation: Permanent

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc): Deviation will remain in place until the change is made in the next method revision.

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual): 4.1.4 (Place plate on shaking incubator at approximately 900 rpm for approximately 15 minutes) of AM #25, AM # 28, and AM #29 is being removed. The removal of this step was tested in the validation “Addition of Compounds/Modifications for the MDS” (approved on 2/2/2022) and it was determined that that step is not necessary and can be removed.

Technical Justification for Analytical Method Deviations: Refer to validation “Addition of Compounds/Modifications for the MDS” (approved on 2/2/2022)

Technical Review

Departure approved
Comments:

Departure Not Approved
Comments:

Approver: Rachel Cutler
Title: Laboratory Manager



Date: 2/10/2022

Quality Review

Quality Approver: Jason Crowe
Title: Quality Manager
Date: 2/10/2022

