












REVIEWED

By Sarah Pickle at 3:58 pm, May 05, 2020

B

4/29/2020

Worklist: 4206

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2019-4692	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1161	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1239	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1303	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1306	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1343	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0612	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0865	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-0903	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1017	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1045	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1121	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1126	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1141	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1181	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1223	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1225	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1227	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1228	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1243	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1247	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

15

Extraction Date: 04/30/2020
Plate lot#: Item #:IDP-111 Lot:190729

Analyst: Tamara Salazar
Plate Expiration: 01/29/20—Ok, Deviation in place

Mobile phase A: 5mM Amm Form + 0.01% FA
0.5M Ammonium Hydroxide

Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate 20% Methanol in Water

Blank Blood Lot: 445283-3

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

LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 42** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+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) Manifold ID: 067104
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 067103
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
Worklist path: *D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wklst 4205 4206 TS*
Batch Name: *AM 28*
- 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? Y / N _____ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Curves limited: Buprenorphine 2.5-100, Codeine 5-500, Dihydrocodeine 5-500, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-500, Norbuprenorphine 2.5-100, Norfentanyl 5-500, 0.5-50*

05/05/2020

TS

15

**Idaho State Police
Forensic Services
Toxicology Discipline**

Request for Departure from an Analytical Method

Date of Request
01/13/2020

Forensic Scientist
Celena Shrum

Analytical Methods
Toxicology AM #25, Toxicology AM #26/27, and AM #28

Deviation

The expiration dates listed for the current batch of PinPoint ToxBox extraction plates are as follows:

- *MDS (batch IDP-107-190725)- Expiration is 1/25/2020
- *THC (batch IDP-108-190716)- Expiration is 1/16/2020
- *MDQ P1 (batch IDP-111-190729)- Expiration is 1/29/2020
- *MDQ P2 (batch IDP-112-190730)- Expiration is 1/30/2020

I am issuing a deviation to allow for the use of the remaining plates of these batches. The controls will be used to evaluate if the plate is working as intended. In addition, at least one external control must be included for each run.

Celena Shrum

Date: 01/13/2020
Celena Shrum
Toxicology Discipline Lead



Idaho State Police Forensic Services

15

AM #25 Blood Multi-Drug Screen by LCMS-QQQ

And

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

Methanol External Control Solution (Lot: 031820)

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

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	193068	
O-desmethyl Tramadol	Cerilliant	FN01241702	04/30/2022
Amphetamine	Cerilliant	FE04061701	06/30/2022
Alprazolam	Cerilliant	FE07061604	07/31/2021
Prepared:	03/18/20		
Prepared By:	Sarah Pickle		
Expires:	03/18/21		

Blood External Control Solution (Lot: WS031820)

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

Approximately 100 ng/mL of each compound.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	445283-3
Methanol External Control Solution		031820
Prepared:	03/18/20	
Prepared by:	Sarah Pickle	
Expires:	03/18/21	

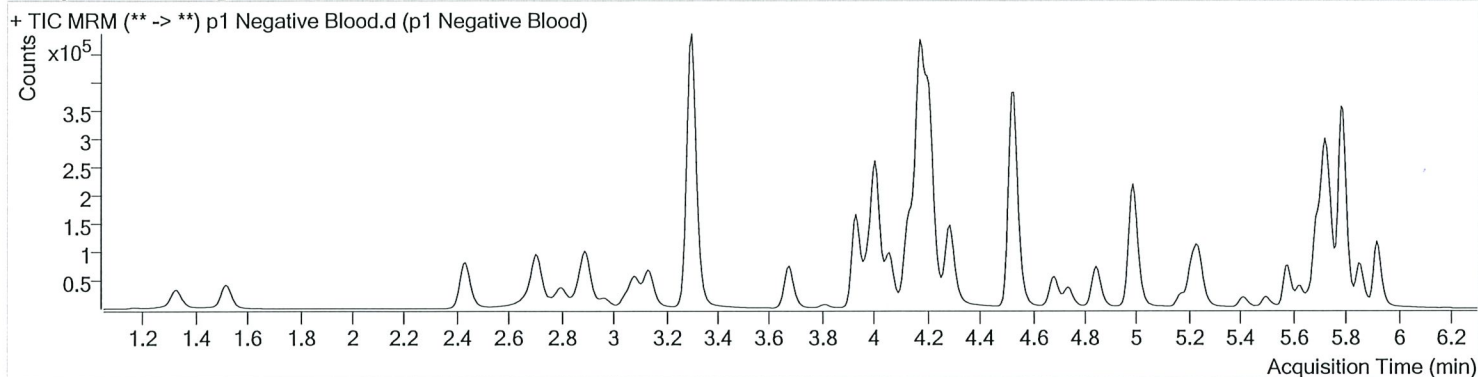


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-D11	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 5:17:48 PM		
Sample Info.			

Sample Chromatogram



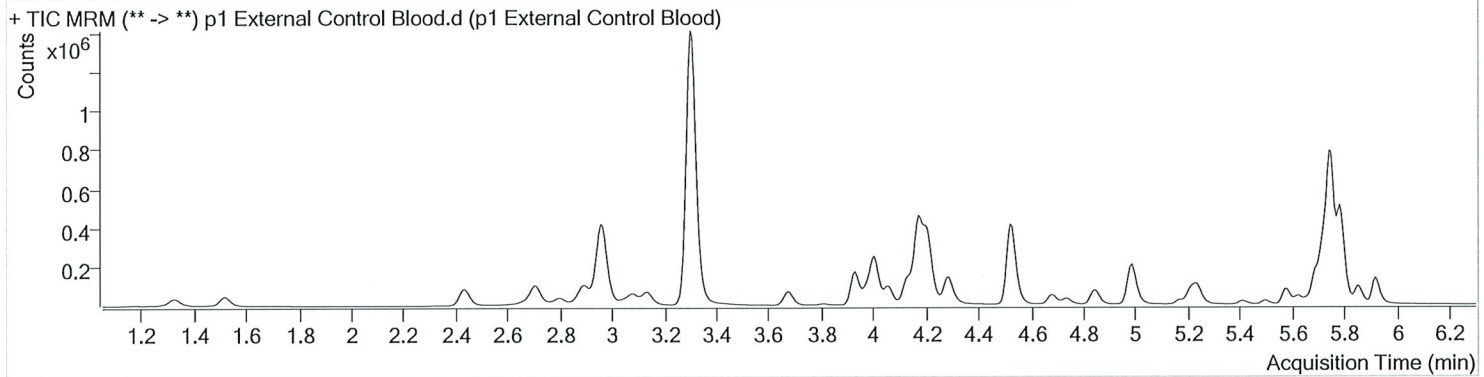


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 External Control Blood.d
Type	Sample	Sample	p1 External Control Blood
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-C11	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 5:28:23 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.750	710999	1153.18	104.2	3392.65	202852	88.8537 ng/ml
Amphetamine	2.961	829659	16483.72	50.4	19690.24	100850	106.0924 ng/ml
O-desmethyl-tramadol	3.307	2336616	7820.05	6.0	2007.90	1285084	98.6183 ng/ml

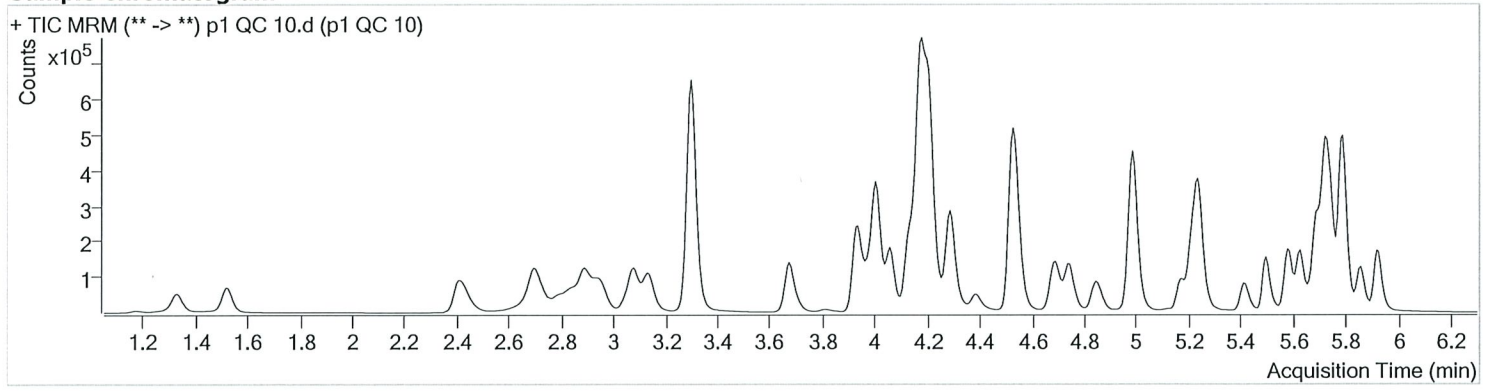


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 5/5/2020 10:20:26 AM

Instrument Falco **Data File** p1 QC 10.d
Type QC **Sample** p1 QC 10
Acq. Method MDQ P1 01112020.m **Operator** Tamara Salazar
Sample Position P1-H11 **Comment**
Injection Volume 2
Acq. Date-Time 4/30/2020 3:42:28 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.056	2192	199.21	70.6	98.08	51616	0.9645 ng/ml
7-aminoclonazepam	3.996	54577	3849.14	82.7	4021.92	229118	9.8104 ng/ml
a-hydroxyalprazolam	5.667	20344	365.76	68.8	413.36	51221	9.2503 ng/ml
alpha-PVP	4.297	110958	345.89	51.6	1275.36	495675	9.9869 ng/ml
Alprazolam	5.750	83008	732.66	102.9	499.67	215791	10.4847 ng/ml
Amphetamine	2.947	164130	2659.25	52.5	6881.42	187825	10.1688 ng/ml
Benzoylcegonine	3.833	4579	889.31	8.2	63.54	16792	10.3566 ng/ml
Buprenorphine	5.429	1496	53.07	19.8	103.88	56566	0.9587 ng/ml
Bupropion	4.699	81597	2615.30	58.3	612.61	280217	10.0721 ng/ml
Carisoprodol	5.699	68848	∞	54.8	∞	328179	10.1730 ng/ml
Citalopram	5.176	38948	1465.09	39.8	390.82	174448	9.8314 ng/ml
Clonazepam	5.587	96090	5496.89	33.5	∞	116783	9.9831 ng/ml
Cocaine	4.204	121714	5923.37	45.6	4540.52	959154	9.8092 ng/ml
Codeine	2.436	15017	512.71	102.8	1002.28	67107	10.5807 ng/ml
Cyclobenzaprine	5.590	25783	38412.45	9.4	127.32	101020	9.9014 ng/ml
Dextromethorphan	5.219	21026	368.55	76.8	594.99	96544	9.9026 ng/ml
Dextrorphan	4.059	25254	1817.04	211.0	1240.85	322646	10.3942 ng/ml
Diazepam	5.928	57274	523.90	87.7	430.86	264954	10.1753 ng/ml
Dihydrocodeine	2.434	37735	439.69	65.2	∞	208214	9.9341 ng/ml
Diphenhydramine	5.246	92587	309.45	32.7	1960.44	646782	10.0696 ng/ml
Doxylamine	4.165	205635	3893.94	97.1	5404.55	801463	9.6021 ng/ml
EDDP	5.217	47178	113.55	43.7	792.55	261575	9.9212 ng/ml
Fentanyl	4.986	2838	787.81	68.5	9261.27	144443	1.0745 ng/ml
Fluoxetine	5.689	27697	824.45	8.9	∞	109423	10.3953 ng/ml
Hydrocodone	2.918	45381	356.24	39.4	170.43	302580	9.4438 ng/ml
Hydromorphone	1.527	35693	1707.23	81.4	2247.91	134768	9.9386 ng/ml
Ketamine	3.945	113919	709.91	38.3	369.28	501793	10.1974 ng/ml
Lamotrigine	4.181	9732	∞	83.3	3629.50	501793	9.7883 ng/ml
Lorazepam	5.722	83128	491.04	54.6	1166.80	116783	9.5817 ng/ml
Meprobamate	4.868	37583	4720.48	25.7	615.90	198172	10.1224 ng/ml
Methadone	5.628	54806	496.90	53.6	1850.47	252762	10.4148 ng/ml
Methamphetamine	3.148	91751	1041.65	41.4	224.30	352650	10.1677 ng/ml
Metoprolol	4.273	17554	1683.32	97.8	∞	1227589	10.2129 ng/ml

p1 QC 10

Generated at 10:21 AM on 5/5/2020

*Outside curve range - 5/5/2020 TS

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.388	77041	1971.52	48.4	892.66	495675	8.5884 ng/ml
Mitragynine	5.119	8660	2107.55	40.9	13337.65	252762	10.6011 ng/ml
Morphine	1.180	5517	290.27	23.7	627.03	5860	10.4837 ng/ml
Norbuprenorphine	4.930	147	8.90	82.1	6.18	7657	0.6919 ng/ml
Nordiazepam	5.868	55867	1884.82	56.3	1358.20	172581	10.5430 ng/ml
Norfentanyl	4.033	16738	3274.76	37.7	95.38	752913	0.9341 ng/ml
Norhydrocodone	2.986	3814	129.21	49.7	212.87	46568	8.6434 ng/ml
Noroxycodone	2.816	41393	1781.04	47.8	1359.03	130930	10.2032 ng/ml
O-desmethyl-tramadol	3.307	264427	1189.67	6.1	924.77	1424559	10.0024 ng/ml
Oxazepam	5.731	96005	3091.47	73.2	772.43	557594	10.3724 ng/ml
Oxycodone	2.727	96091	1172.47	31.8	1068.95	432785	10.3218 ng/ml
Oxymorphone	1.330	35851	614.13	47.9	170.12	132842	9.6738 ng/ml
Phentermine	3.711	30879	201.48	3.0	55.20	370724	10.1955 ng/ml
Promethazine	5.501	57433	30767.15	31.7	256.63	265340	9.7068 ng/ml
Quetiapine	5.416	47570	821.45	60.2	1684.33	60905	10.3278 ng/ml
Sertraline	5.751	13766	164.49	93.1	30326.59	63333	9.4097 ng/ml
Temazepam	5.798	159525	627.11	29.5	169.94	850432	10.3050 ng/ml
Tramadol	4.186	252666	13104.05	3.3	302.22	1227589	10.5394 ng/ml
Trazodone	4.748	56726	1879.82	79.9	1441.52	240230	10.5398 ng/ml
Venlafaxine	4.987	155075	685.17	36.7	510.60	825185	9.8500 ng/ml
Zolpidem	4.541	255039	2763.62	30.6	2537.49	1145605	10.2804 ng/ml

5/5/20 TS

* Outside curve range - 5/5/2020 TS

TS

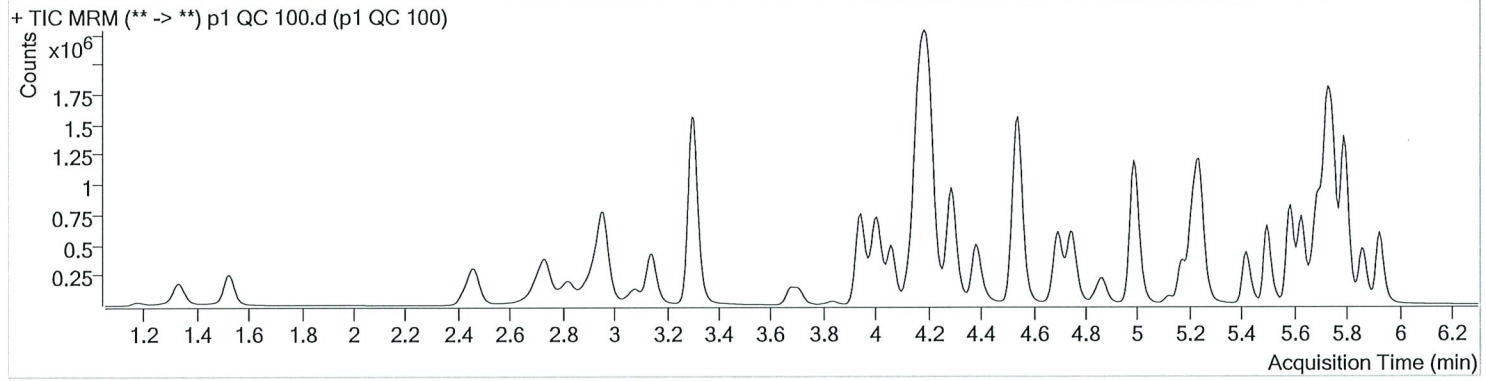


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-G11	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 4:03:37 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.056	23224	736.41	69.4	2453.59	52610	9.9681 ng/ml
7-aminoclonazepam	3.996	546529	1694.20	84.6	35353.14	234992	98.0691 ng/ml
a-hydroxyalprazolam	5.674	199119	398.46	63.7	750.45	50006	97.1867 ng/ml
alpha-PVP	4.297	1077760	2465.23	51.4	19061.31	482900	95.3855 ng/ml
Alprazolam	5.750	757823	2189.44	105.7	2369.52	202949	94.6064 ng/ml
Amphetamine	2.961	1485713	49999.02	51.9	23651.53	175965	108.9178 ng/ml
Benzoylcegonine	3.833	45632	∞	8.1	802.14	17472	99.0346 ng/ml
Buprenorphine	5.429	18513	541.26	16.7	∞	71296	9.8595 ng/ml
Bupropion	4.699	862809	4689.69	58.9	1351.83	300623	101.0658 ng/ml
Carisoprodol	5.699	648278	127127.45	54.1	1736.49	318353	101.9393 ng/ml
Citalopram	5.176	480536	∞	41.7	570.75	218730	99.2243 ng/ml
Clonazepam	5.587	914171	2228.07	33.5	∞	114562	101.6333 ng/ml
Cocaine	4.204	1151524	109573.64	45.8	35482.34	905294	96.4609 ng/ml
Codeine	2.462	143735	38059.54	101.8	30333.37	67614	106.9651 ng/ml
Cyclobenzaprine	5.590	352015	592.84	9.2	5956.68	136447	100.1036 ng/ml
Dextromethorphan	5.219	260768	16646.07	78.8	1941.52	124146	96.9618 ng/ml
Dextrorphan	4.059	251746	1495.67	211.1	63545.07	324407	101.3555 ng/ml
Diazepam	5.928	550522	6676.69	86.9	1964.92	263182	101.2988 ng/ml
Dihydrocodeine	2.461	366673	877.59	65.4	2737.88	208850	102.6821 ng/ml
Diphenhydramine	5.246	1124098	46309.52	33.1	9002.81	806531	98.4168 ng/ml
Doxylamine	4.158	2025711	409693.65	96.9	47932.15	839396	104.9516 ng/ml
EDDP	5.217	607892	1007.60	43.1	718.97	339781	98.1194 ng/ml
Fentanyl	4.992	35989	1816.87	65.5	65265.88	195964	10.5130 ng/ml
Fluoxetine	5.689	377188	16247.99	8.6	867.53	157506	99.4730 ng/ml
Hydrocodone	2.924	444960	426.20	38.9	514.75	277261	106.8986 ng/ml
Hydromorphone	1.527	338047	3583.10	77.9	2620.20	131060	98.1590 ng/ml
Ketamine	3.945	1098491	90815.17	38.7	16120.01	509290	101.8700 ng/ml
Lamotrigine	4.181	93686	4404.95	78.3	∞	509290	103.4403 ng/ml
Lorazepam	5.722	711980	1772.84	53.7	10550.51	114562	95.8227 ng/ml
Meprobamate	4.868	365319	688.23	25.8	386.34	198509	103.4994 ng/ml
Methadone	5.628	694118	49927.50	53.4	39039.97	335382	100.1389 ng/ml
Methamphetamine	3.148	751723	3338.16	42.3	5666.40	310853	104.5862 ng/ml
Metoprolol	4.273	166419	3804.75	97.6	∞	1171320	103.0763 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.382	871634	2574.66	48.7	6359.66	482900	106.7454 ng/ml
Mitragynine	5.119	114440	11729.55	38.6	∞	335382	109.1645 ng/ml
Morphine	1.180	51369	4885.20	23.2	1233.41	5632	102.6238 ng/ml
Norbuprenorphine	4.937	1978	144.46	81.3	172.04	9762	10.0002 ng/ml
Nordiazepam	5.868	518858	3257.57	58.8	1826.48	166741	106.3631 ng/ml
Norfentanyl	4.033	171840	3484.25	37.3	1508.95	730344	9.6479 ng/ml
Norhydrocodone	2.992	38900	95.68	43.1	111.34	41663	93.0715 ng/ml
Noroxycodone	2.823	393282	2609.56	49.6	21579.12	130189	99.6630 ng/ml
O-desmethyl-tramadol	3.307	2609125	39819.44	6.0	6125.50	1419427	99.6980 ng/ml
Oxazepam	5.731	829942	40968.18	71.8	∞	511098	101.5632 ng/ml
Oxycodone	2.733	955664	4410.35	31.4	2163.33	437063	104.7200 ng/ml
Oxymorphone	1.330	357021	2199.58	47.0	∞	130125	103.1302 ng/ml
Phentermine	3.711	282631	3071.35	2.7	614.55	347420	104.9933 ng/ml
Promethazine	5.501	824968	1892.48	31.1	1890.03	380092	98.8013 ng/ml
Quetiapine	5.416	544678	24677.38	60.6	1218067.51	73128	99.1778 ng/ml
Sertraline	5.751	175418	1080.76	91.4	3605.46	78106	97.8163 ng/ml
Temazepam	5.798	1588053	46397.95	29.2	13371.47	845242	103.4062 ng/ml
Tramadol	4.186	2275712	205256.30	3.4	2124.19	1171320	103.7413 ng/ml
Trazodone	4.748	686801	20769.51	80.1	14417.72	309922	92.8579 ng/ml
Venlafaxine	4.987	1532215	2146.31	36.2	987.29	814827	96.6139 ng/ml
Zolpidem	4.541	2541823	∞	29.9	66779.25	1179231	103.2741 ng/ml

TS

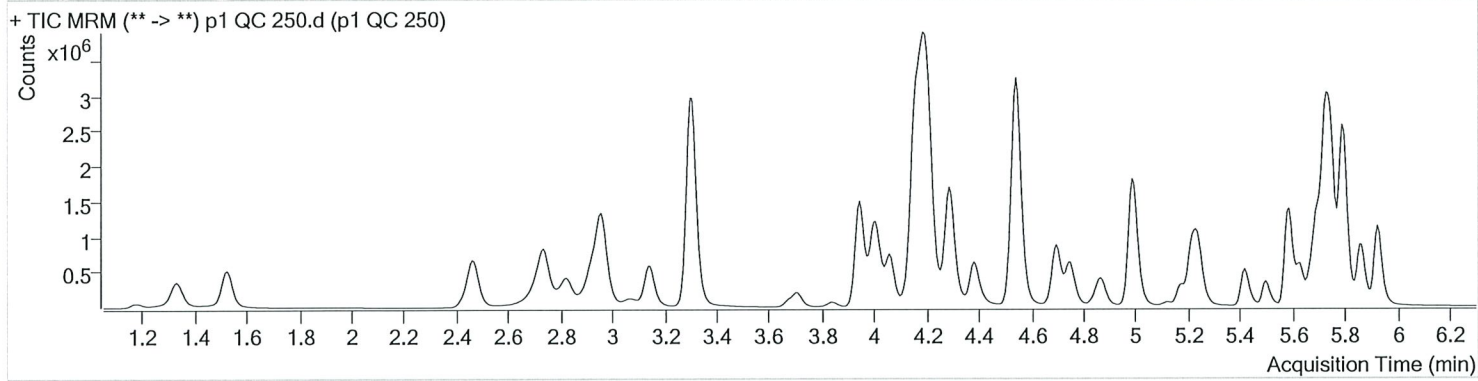


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wklst 4205 4206 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 5/5/2020 10:20:26 AM

Instrument Falco **Data File** p1 QC 250.d
Type QC **Sample** p1 QC 250
Acq. Method MDQ P1 01112020.m **Operator** Tamara Salazar
Sample Position P1-F11 **Comment**
Injection Volume 2
Acq. Date-Time 4/30/2020 4:24:48 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.056	57885	1286.49	68.5	5166.08	51099	25.5703 ng/ml
7-aminoclonazepam	3.996	1306887	99512.39	83.2	113501.71	226128	244.0881 ng/ml
a-hydroxyalprazolam	5.674	467950	1065.10	63.5	∞	46141	248.2887 ng/ml
alpha-PVP	4.297	2181670	3406.48	51.2	3449.03	389344	238.7773 ng/ml
Alprazolam	5.750	1696930	38764.74	104.9	2282.52	171898	248.7574 ng/ml
Amphetamine	2.961	2530556	219.83	51.4	42247.80	124791	263.3164 ng/ml
Benzoylcegonine	3.840	118140	2495.68	7.7	165.49	17056	262.6217 ng/ml
Buprenorphine	5.429	16279	744.43	16.4	∞	24115	25.7133 ng/ml
Bupropion	4.699	1355985	47479.63	58.9	2708.74	185871	257.2057 ng/ml
Carisoprodol	5.699	1399838	147802.79	54.8	8886.31	281014	249.8980 ng/ml
Citalopram	5.176	471042	2544.99	42.2	1867.14	86285	246.9765 ng/ml
Clonazepam	5.587	2141369	83519.06	33.4	4533.59	109042	250.9292 ng/ml
Cocaine	4.204	2415181	∞	45.6	61598.49	758891	241.0346 ng/ml
Codeine	2.469	304843	2643.82	102.8	2059.82	62834	245.0882 ng/ml
Cyclobenzaprine	5.590	216538	271.83	9.0	∞	33576	250.2413 ng/ml
Dextromethorphan	5.219	221574	930.21	79.1	1124.75	41804	244.9270 ng/ml
Dextroprphan	4.059	452083	2584.05	212.8	4870.90	234235	251.7991 ng/ml
Diazepam	5.928	1205474	2509.58	88.4	3141.15	233975	249.9804 ng/ml
Dihydrocodeine	2.461	841995	∞	65.7	252.58	203554	242.9310 ng/ml
Diphenhydramine	5.246	1099398	1215.00	33.3	8824.85	313014	248.0804 ng/ml
Doxylamine	4.158	4087744	117302.97	96.6	146538.25	691796	259.4928 ng/ml
EDDP	5.217	973776	957.96	43.0	5317.87	215418	247.8662 ng/ml
Fentanyl	4.992	23041	1307.63	66.5	57060.85	50991	25.9486 ng/ml
Fluoxetine	5.689	195061	18221.17	9.0	22883.86	33172	244.4492 ng/ml
Hydrocodone	2.918	989699	696.06	39.6	1185.07	269030	245.8217 ng/ml
Hydromorphone	1.527	800844	∞	77.2	3491.00	122428	249.1789 ng/ml
Ketamine	3.945	2523734	8752.65	38.2	1597.75	463345	258.1438 ng/ml
Lamotrigine	4.181	187763	14866.72	79.8	∞	463345	229.3718 ng/ml
Lorazepam	5.722	1244930	∞	55.9	5153.50	109042	177.3503 ng/ml
Meprobamate	4.868	802711	80232.05	25.8	5062.44	185998	243.5293 ng/ml
Methadone	5.628	571273	2535.51	54.0	13534.78	112711	245.3604 ng/ml
Methamphetamine	3.148	1073154	2456.69	42.7	1721.42	185817	251.4611 ng/ml
Metoprolol	4.273	334509	12494.30	97.8	13809.86	991655	244.9724 ng/ml

51510
*

p1 QC 250

*Outside curve range - 5/5/2020 TS

Generated at 10:21 AM on 5/5/2020



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.382	1070816	6394.14	49.0	1836.61	389344	162.9956 ng/ml
Mitragynine	5.119	90194	168523.55	38.0	918.18	112711	256.5478 ng/ml
Morphine	1.180	124908	746.35	23.4	1026.08	5537	254.0134 ng/ml
Norbuprenorphine	4.937	1826	112.02	78.2	100.23	3462	26.4688 ng/ml
Nordiazepam	5.868	1122192	3387.91	58.5	24392.99	146656	262.3986 ng/ml
Norfentanyl	4.033	370871	2317.14	37.6	5313.05	590311	25.7204 ng/ml
Norhydrocodone	2.992	81934	491.13	43.6	140.11	33428	243.4698 ng/ml
Noroxycodone	2.823	902012	16228.48	48.8	1097.98	118873	250.7250 ng/ml
O-desmethyl-tramadol	3.307	6340769	517314.85	5.9	32718.93	1320826	260.4931 ng/ml
Oxazepam	5.731	1622386	66444.06	71.2	∞	397794	255.7576 ng/ml
Oxycodone	2.733	2283947	4827.78	31.7	7039.05	418620	261.8158 ng/ml
Oxymorphone	1.330	800135	5354.57	48.7	13759.63	123989	243.2715 ng/ml
Phentermine	3.711	478914	3698.11	2.7	814.34	240173	258.2499 ng/ml
Promethazine	5.501	515693	6564.80	31.8	3599.38	94516	248.6166 ng/ml
Quetiapine	5.416	727663	1150.98	61.5	32463.18	37023	261.8408 ng/ml
Sertraline	5.751	82547	1515.79	92.7	58217.11	14531	247.5099 ng/ml
Temazepam	5.798	3662044	2141.25	29.0	24108.02	771815	261.1722 ng/ml
Tramadol	4.186	4854597	7656.67	3.3	1744.71	991655	262.1644 ng/ml
Trazodone	4.748	769255	6168.32	79.4	5046.33	131413	244.0995 ng/ml
Venlafaxine	4.987	2965190	269628.31	36.4	2921.07	622273	244.4944 ng/ml
Zolpidem	4.541	5996889	31011.06	29.5	∞	1108544	259.8398 ng/ml

TS

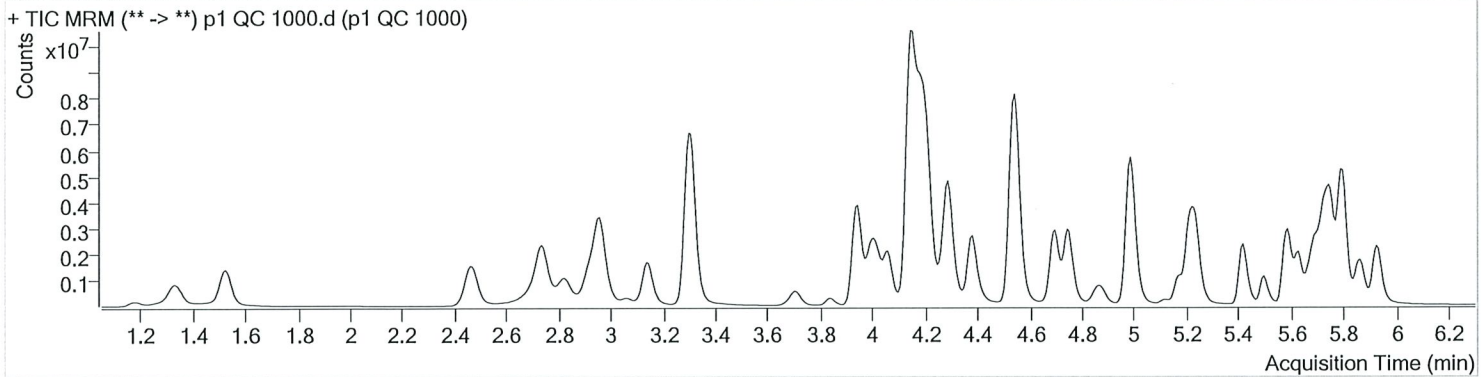


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-E11	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 4:46:00 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.056	218433	3909.95	71.3	17119.84	49289	100.0183 ng/ml
7-aminoclonazepam	3.996	3542120	64868.64	82.9	81473.92	165366	905.3535 ng/ml
a-hydroxyalprazolam	5.667	1192458	∞	63.6	156.84	31987	913.9895 ng/ml
alpha-PVP	4.290	7224808	621187.62	49.7	64250.54	307554	999.5275 ng/ml
Alprazolam	5.750	4066525	812.39	104.7	998.30	100928	1012.7594 ng/ml
Amphetamine	2.961	6781393	181339.41	50.6	364736.81	106165	832.0849 ng/ml
Benzoylcegonine	3.833	499143	19600.21	7.8	∞	17086	1107.5595 ng/ml
Buprenorphine	5.429	52525	1153.59	16.1	956.12	20132	99.5227 ng/ml
Bupropion	4.699	4779145	252137.58	58.4	24879.15	166983	1009.6480 ng/ml
Carisoprodol	5.699	2878833	3490901.23	53.2	1036.24	152847	945.8898 ng/ml
Citalopram	5.169	1856585	6880.37	41.1	1621.40	83329	1008.8451 ng/ml
Clonazepam	5.588	5009967	4602.24	32.8	78774.68	70517	909.2525 ng/ml
Cocaine	4.204	6934539	475711.56	45.1	455057.93	539644	972.6112 ng/ml
Codeine	2.469	748755	1170.53	101.1	69526.17	51347	738.1855 ng/ml
Cyclobenzaprine	5.590	720669	66652.99	9.4	2425.69	26863	1041.0009 ng/ml
Dextromethorphan	5.212	728240	30069.01	79.2	640.16	34545	974.6489 ng/ml
Dextrophan	4.059	1467065	∞	209.9	17797.22	183507	1042.4004 ng/ml
Diazepam	5.928	2977485	∞	87.5	∞	149599	966.6256 ng/ml
Dihydrocodeine	2.461	2328677	229.40	66.4	∞	183102	748.4525 ng/ml
Diphenhydramine	5.239	4199824	715744.43	32.5	1457.43	285971	1037.4525 ng/ml
Doxylamine	4.145	15693290	1179284.92	94.7	625205.39	729150	949.7857 ng/ml
EDDP	5.211	4355059	1490.52	42.0	4969.10	231472	1031.5533 ng/ml
Fentanyl	4.986	65068	1680.28	68.4	136492.29	39050	95.8373 ng/ml
Fluoxetine	5.682	465878	67068.95	9.0	2780.36	19068	1016.0706 ng/ml
Hydrocodone	2.918	3062468	∞	38.6	∞	235669	869.8629 ng/ml
Hydromorphone	1.527	2487082	2474.23	77.2	2281.39	95304	994.5523 ng/ml
Ketamine	3.945	7706107	2364242.63	37.2	178052.36	390537	936.7184 ng/ml
Lamotrigine	4.167	312918	7034.12	80.8	∞	390537	454.7447 ng/ml
Lorazepam	5.722	1500036	∞	55.9	4217.14	70517	331.7932 ng/ml
Meprobamate	4.868	1825399	231047.09	25.5	143439.33	136780	754.3352 ng/ml
Methadone	5.628	2247259	2181.30	52.7	15715.60	106792	1018.9621 ng/ml
Methamphetamine	3.141	3442970	24395.02	42.1	∞	166098	905.6811 ng/ml
Metoprolol	4.266	954548	44194.41	97.5	∞	684501	1013.2918 ng/ml

p1 QC 1000

Generated at 10:21 AM on 5/5/2020

*Outside curve range. = 5/5/2020 TS

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.382	4649217	306800.99	47.9	544.41	307554	898.8533 ng/ml
Mitragynine	5.119	312022	23085.05	38.5	16099.20	106792	937.7721 ng/ml
Morphine	1.180	390071	9027.78	23.9	717.08	4526	970.6748 ng/ml
Norbuprenorphine	4.930	6136	104.16	81.5	9118.80	3066	101.2193 ng/ml
Nordiazepam	5.868	2648410	4614.05	56.9	19288.31	90866	1001.1227 ng/ml
Norfentanyl	4.027	1301786	18314.85	37.5	24421.18	383125	138.9929 ng/ml
Norhydrocodone	2.992	268620	∞	43.1	441.68	23100	1153.1466 ng/ml
Noroxycodone	2.823	2406472	1561.89	49.1	3541.21	83688	950.8490 ng/ml
O-desmethyl-tramadol	3.307	18372540	537137.93	5.9	69011.49	968290	1029.8034 ng/ml
Oxazepam	5.725	2171440	∞	74.3	7416.41	158147	862.0798 ng/ml
Oxycodone	2.733	7442902	9955.54	31.3	2980.89	361428	989.1753 ng/ml
Oxymorphone	1.330	2325015	3684.66	48.8	∞	95875	915.6203 ng/ml
Phentermine	3.711	1518693	8678.56	2.7	1517.89	226199	870.9937 ng/ml
Promethazine	5.501	1782018	20634.74	31.2	5545.22	79150	1026.4018 ng/ml
Quetiapine	5.416	3468401	3948.83	60.7	3453.37	43224	1069.2464 ng/ml
Sertraline	5.757	147571	1814.10	87.9	2063.50	6550	981.8471 ng/ml
Temazepam	5.798	9269189	385054.71	28.4	75555.72	492421	1036.2108 ng/ml
Tramadol	4.186	13072703	4246.34	3.3	821.64	684501	1024.2199 ng/ml
Trazodone	4.748	3956879	4355469.21	79.0	2796517.99	162244	1014.7140 ng/ml
Venlafaxine	4.987	11167257	2401.56	34.9	10234.73	563351	1016.4194 ng/ml
Zolpidem	4.541	17745915	∞	30.1	∞	934564	913.1368 ng/ml

5/5/20
TS *

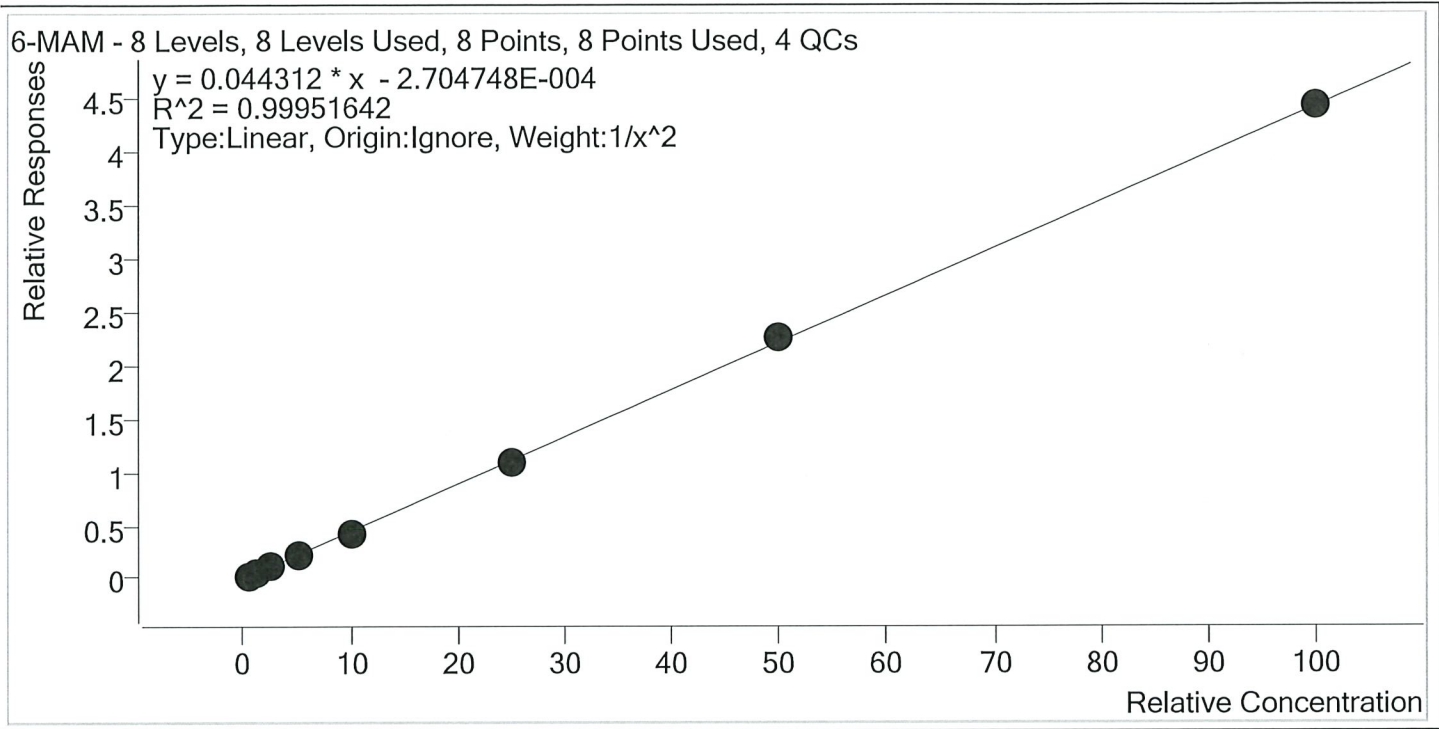
outside curve range.
* 5/5/2020
TS

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6



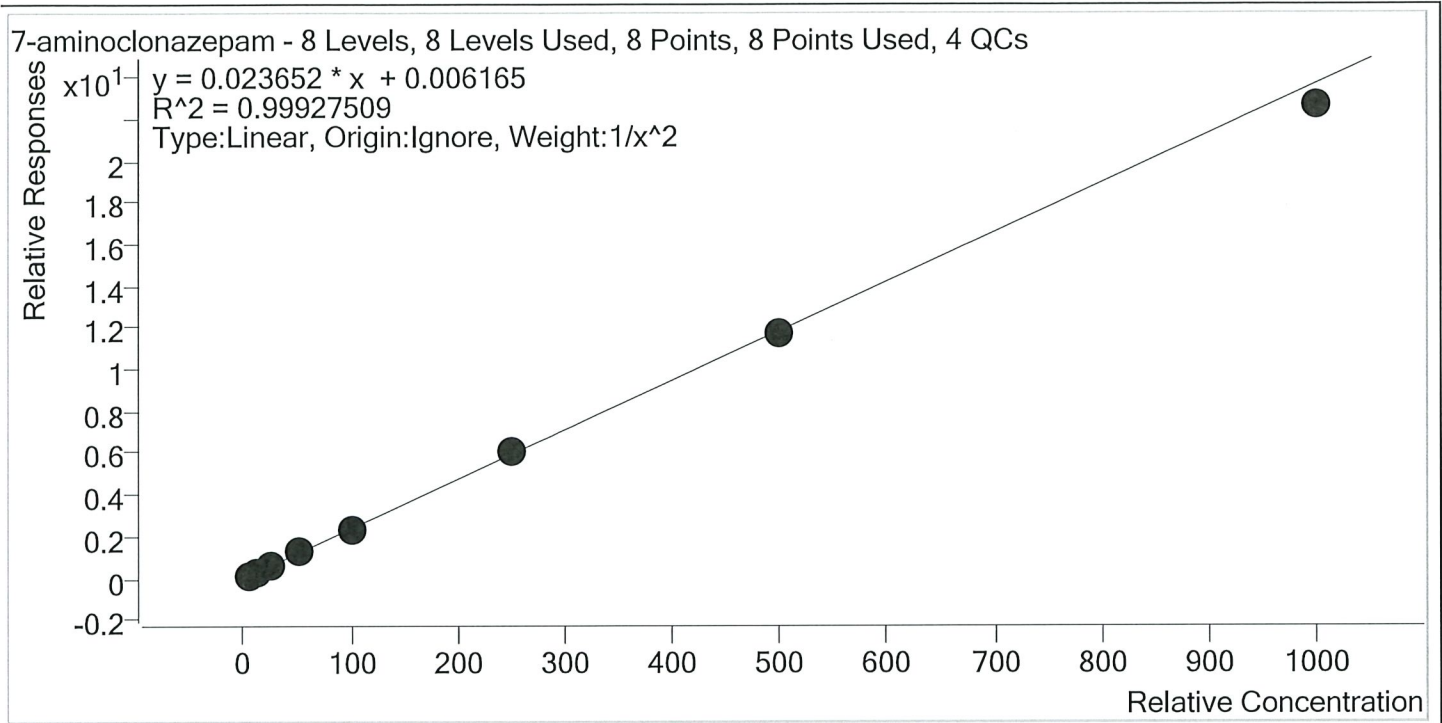
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.5
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.5
p1 Cal 4-50ng	4	✓	5.0	5.0	101.0
p1 Cal 5-100ng	5	✓	10.0	9.8	97.6
p1 Cal 6-250ng	6	✓	25.0	24.4	97.7
p1 Cal 7-500ng	7	✓	50.0	50.8	101.7
p1 Cal 8-1000ng	8	✓	100.0	100.1	100.1

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



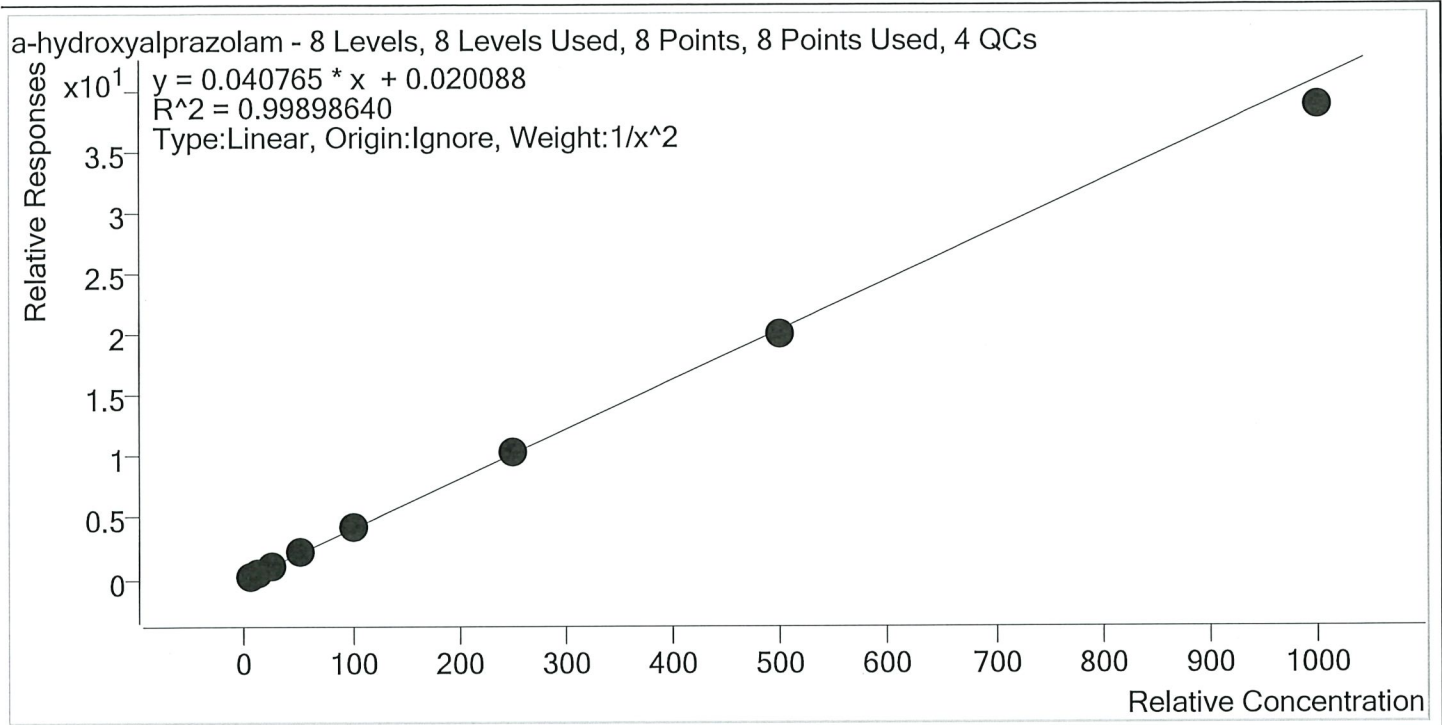
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	254.1	101.7
p1 Cal 7-500ng	7	✓	500.0	492.1	98.4
p1 Cal 8-1000ng	8	✓	1000.0	956.1	95.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



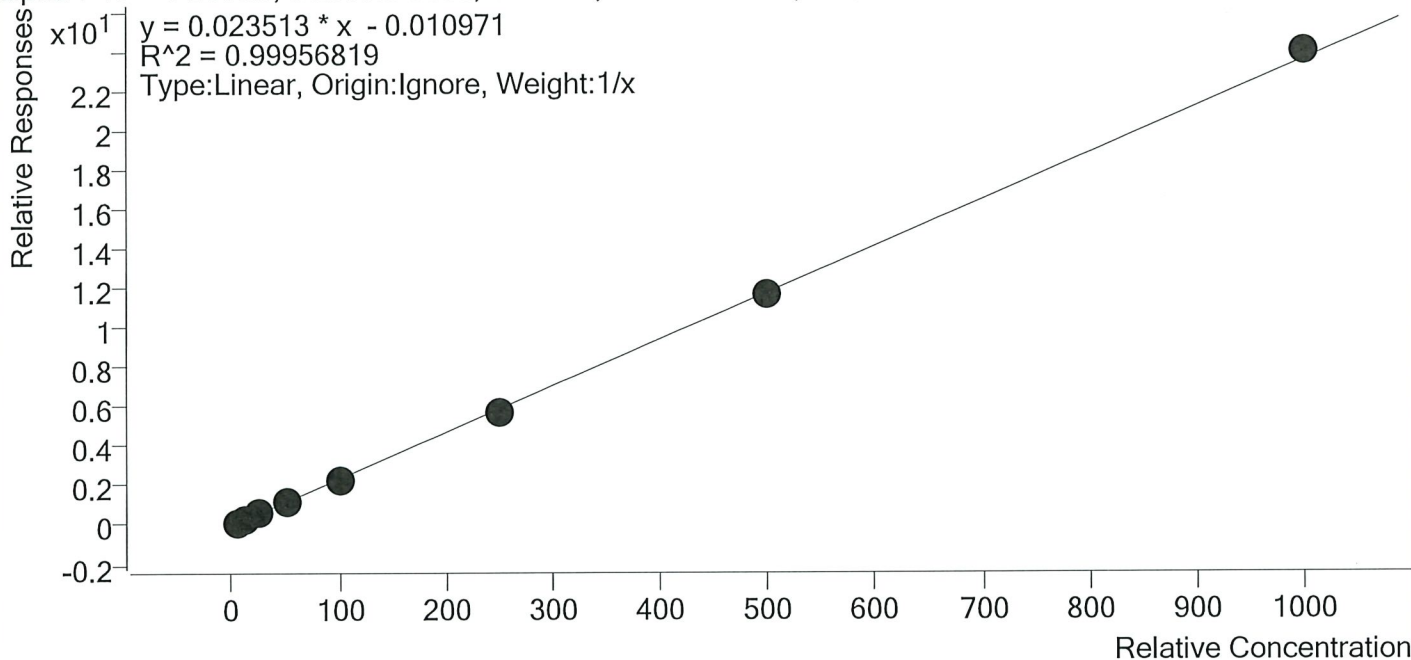
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	491.4	98.3
p1 Cal 8-1000ng	8	✓	1000.0	948.5	94.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

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

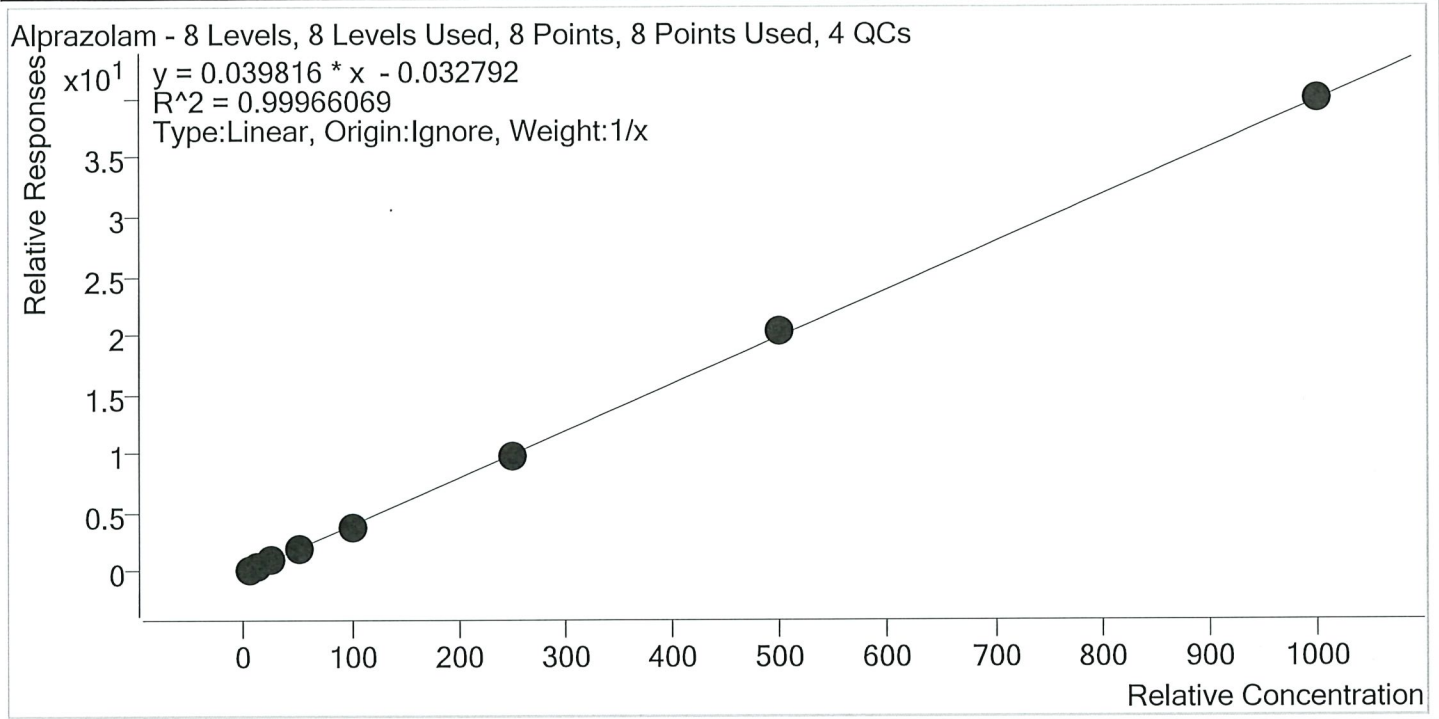


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.5
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	493.3	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1017.6	101.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5



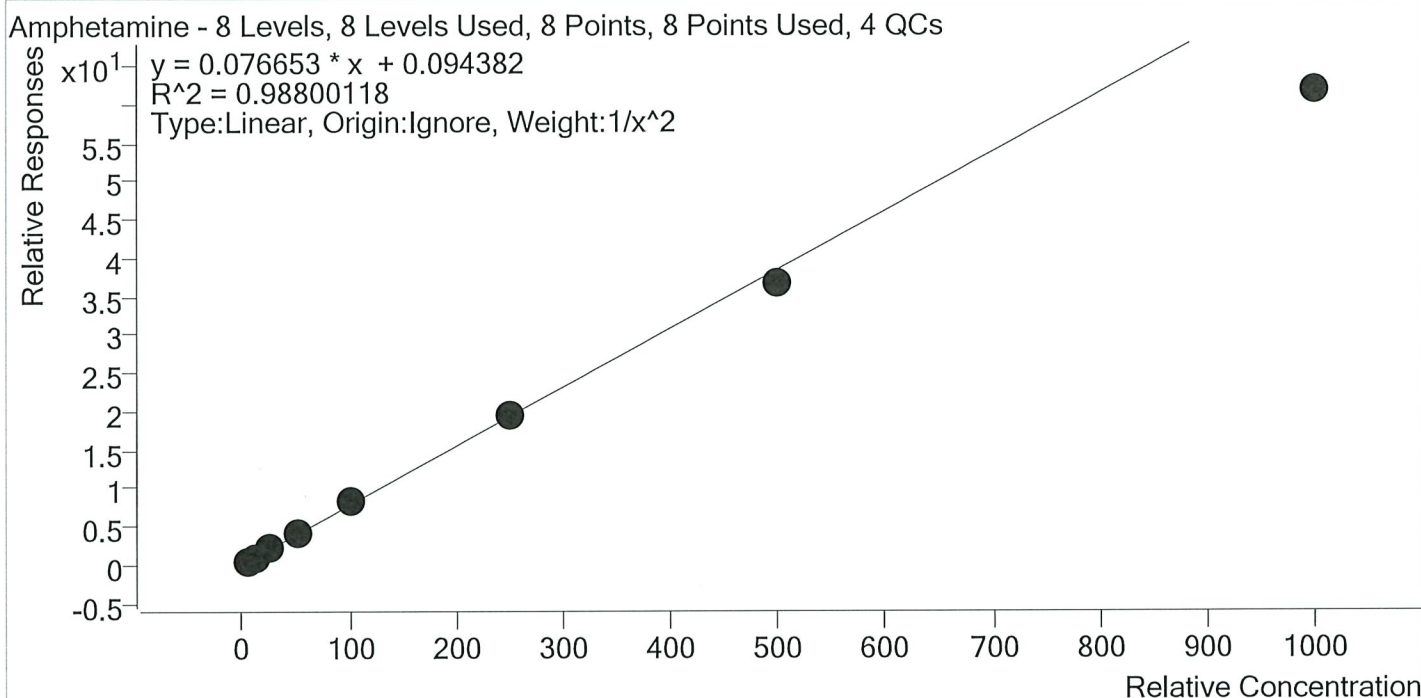
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	508.9	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1002.6	100.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11



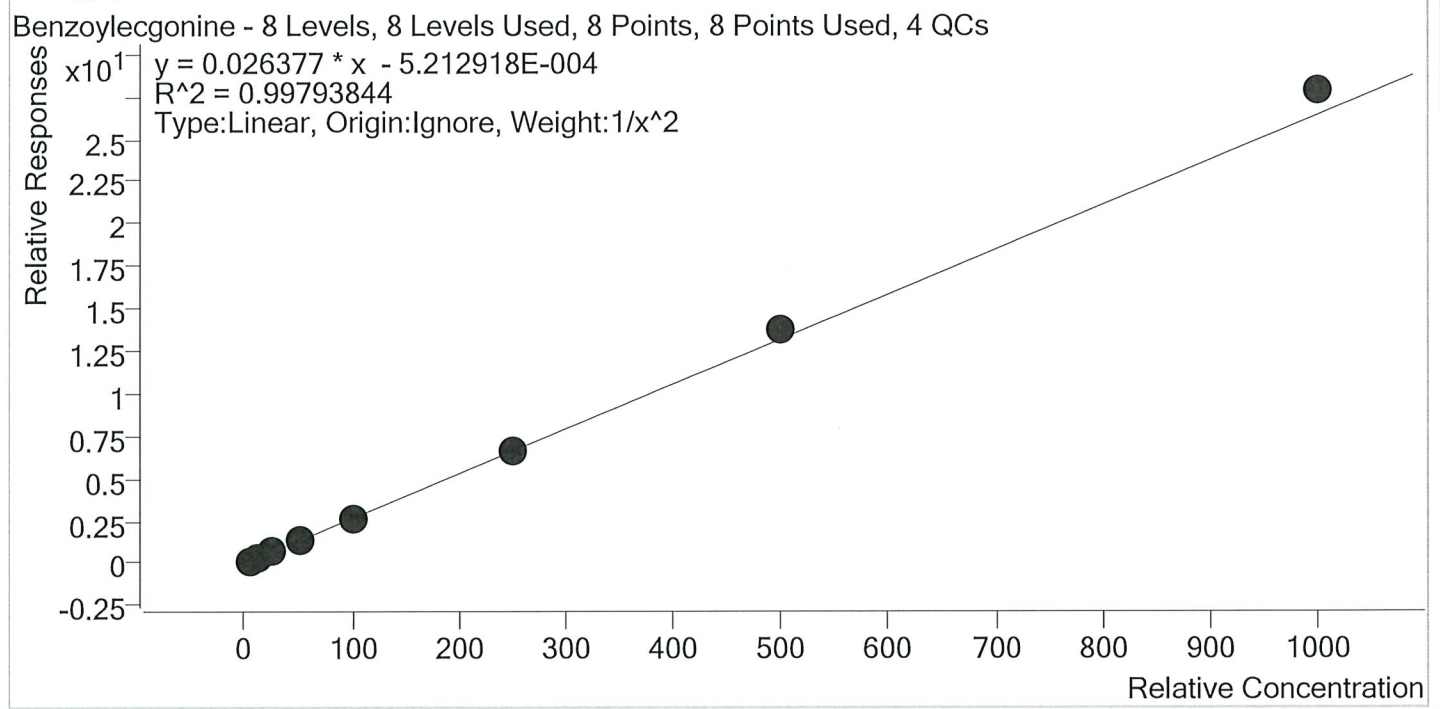
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.4
p1 Cal 4-50ng	4	✓	50.0	55.0	110.1
p1 Cal 5-100ng	5	✓	100.0	106.6	106.6
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	474.8	95.0
p1 Cal 8-1000ng	8	✓	1000.0	803.8	80.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



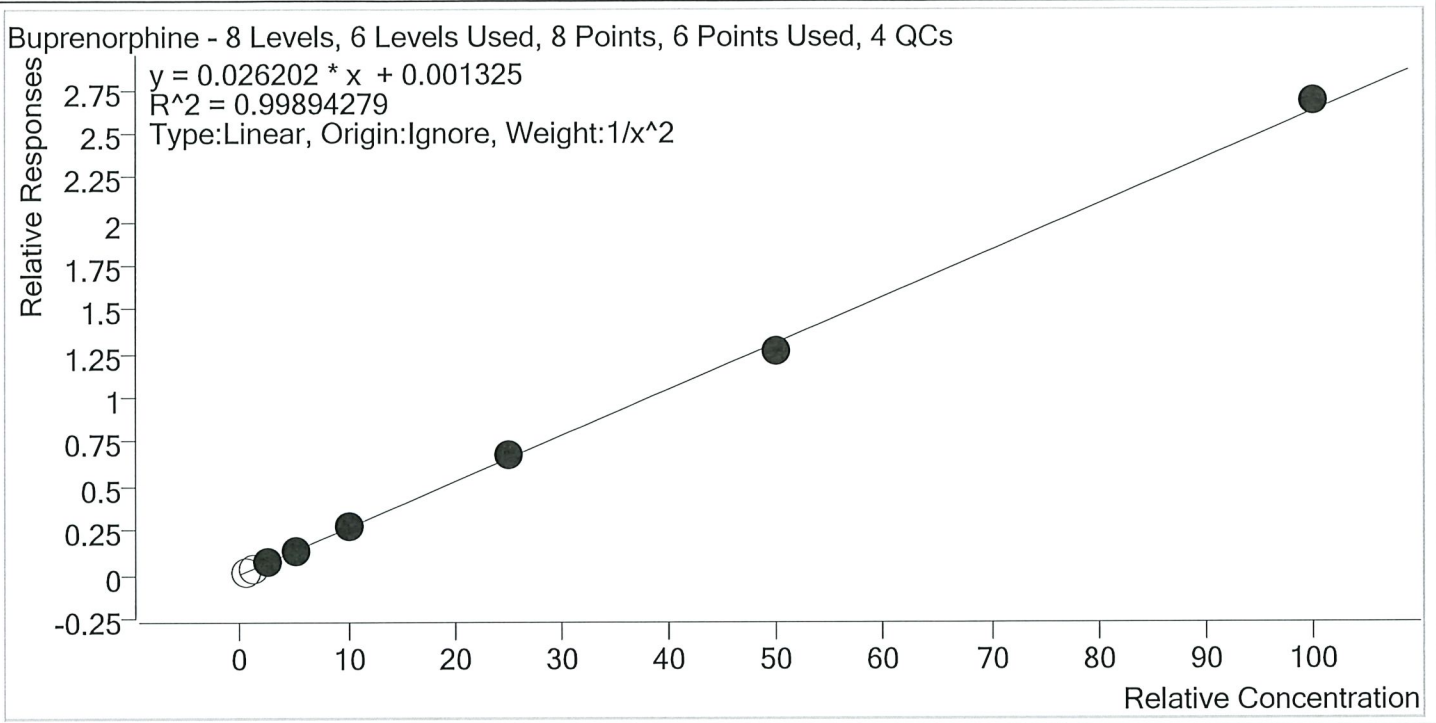
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	517.8	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1054.2	105.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



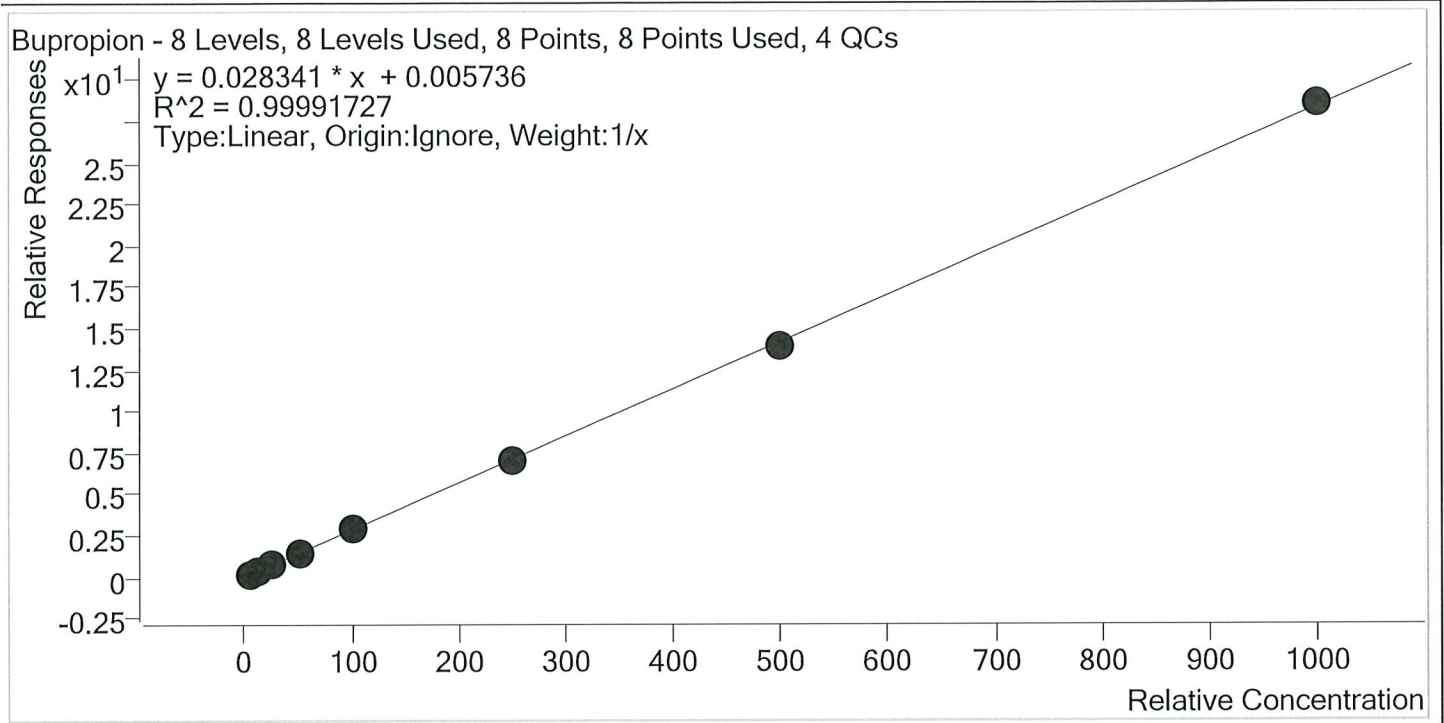
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	×	0.5	0.5	94.9
p1 Cal 2- 10ng	2	×	1.0	1.0	98.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.5
p1 Cal 4-50ng	4	✓	5.0	4.8	96.5
p1 Cal 5-100ng	5	✓	10.0	10.0	100.2
p1 Cal 6-250ng	6	✓	25.0	25.6	102.5
p1 Cal 7-500ng	7	✓	50.0	48.5	97.1
p1 Cal 8-1000ng	8	✓	100.0	102.1	102.1

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\lst 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



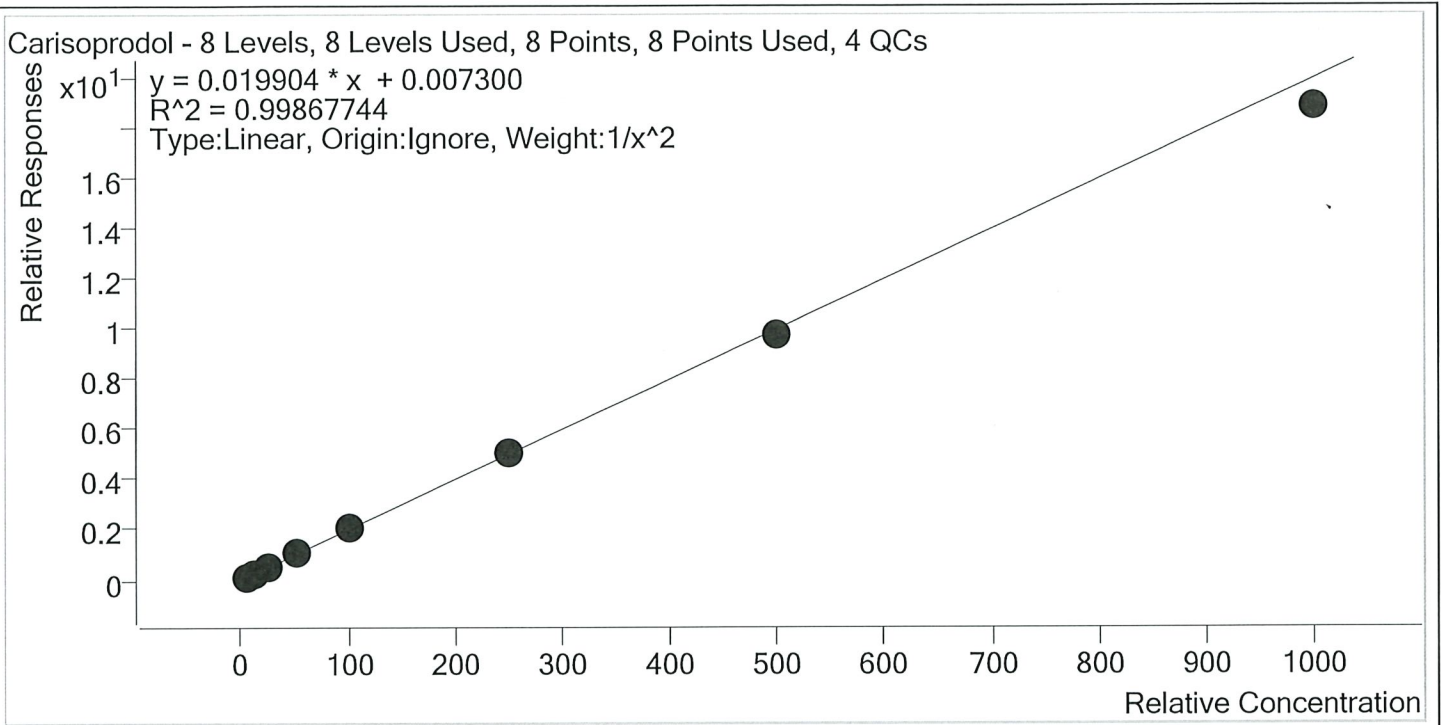
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	493.6	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1007.1	100.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



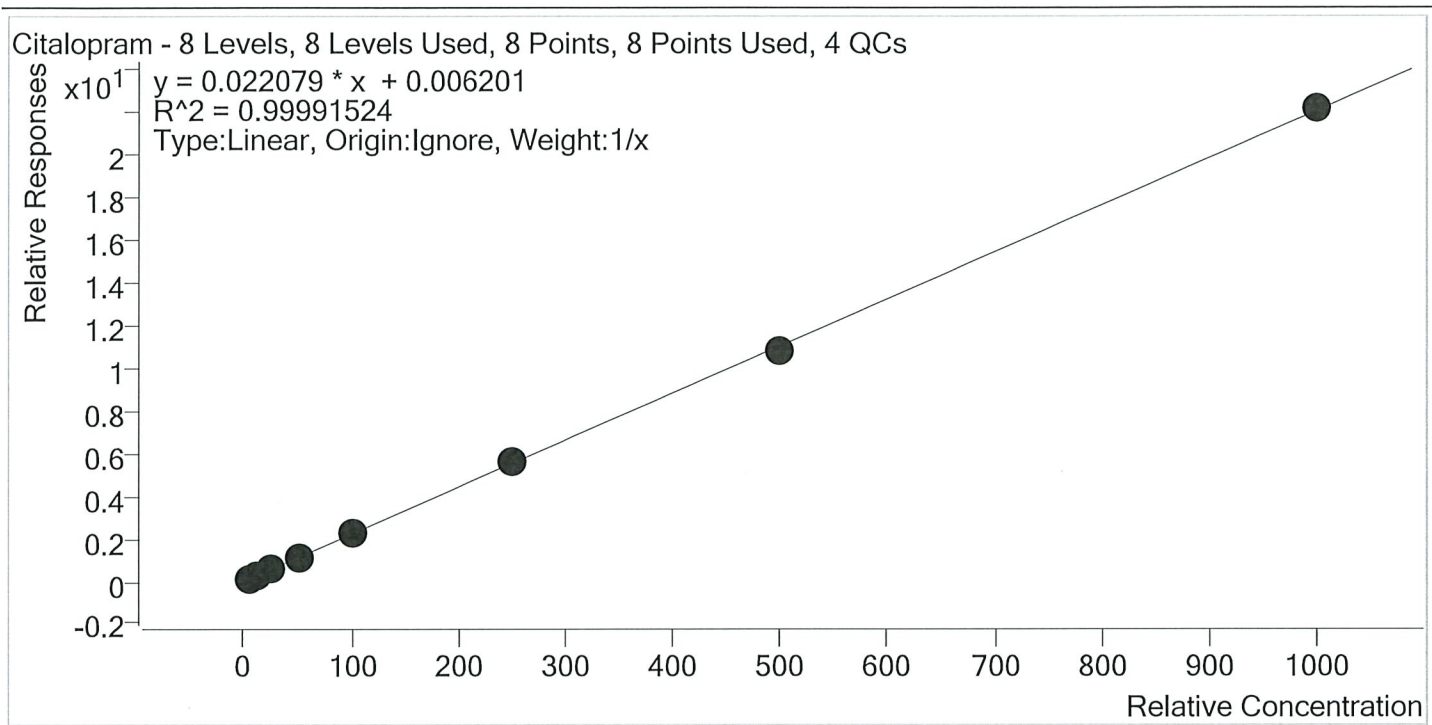
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	487.1	97.4
p1 Cal 8-1000ng	8	✓	1000.0	944.1	94.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	492.8	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1004.8	100.5

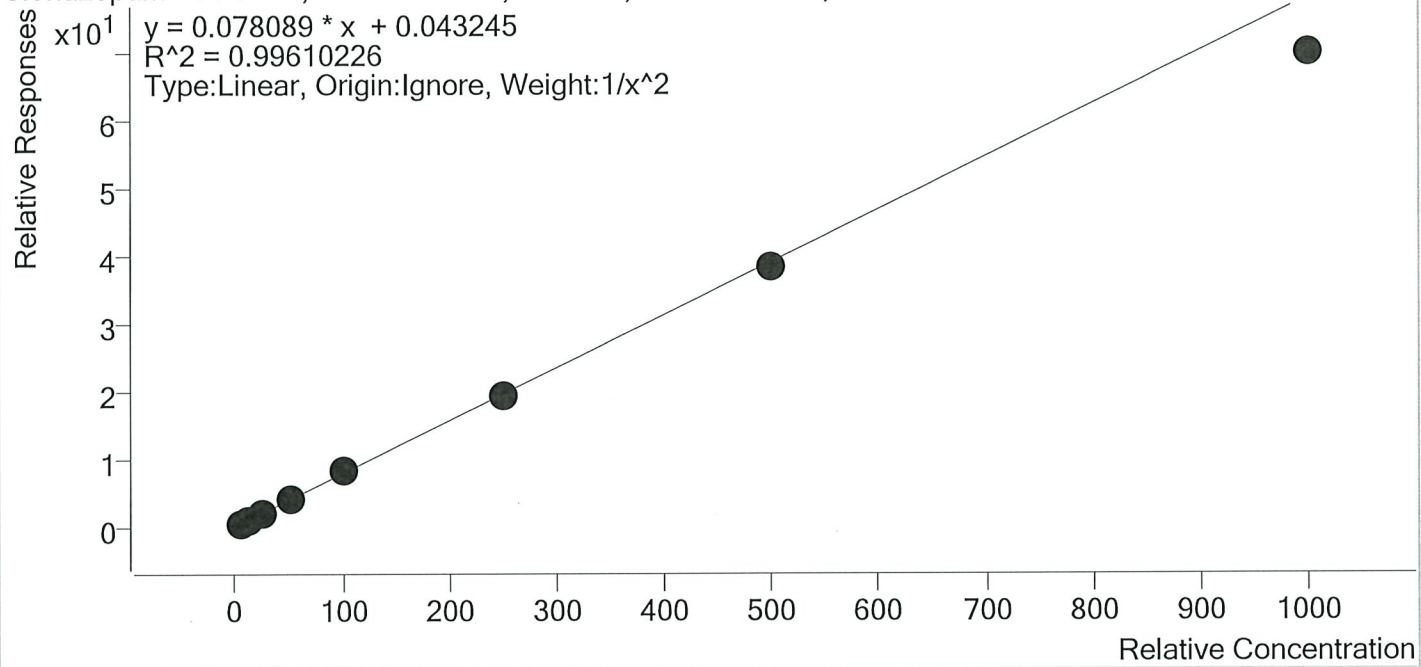
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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



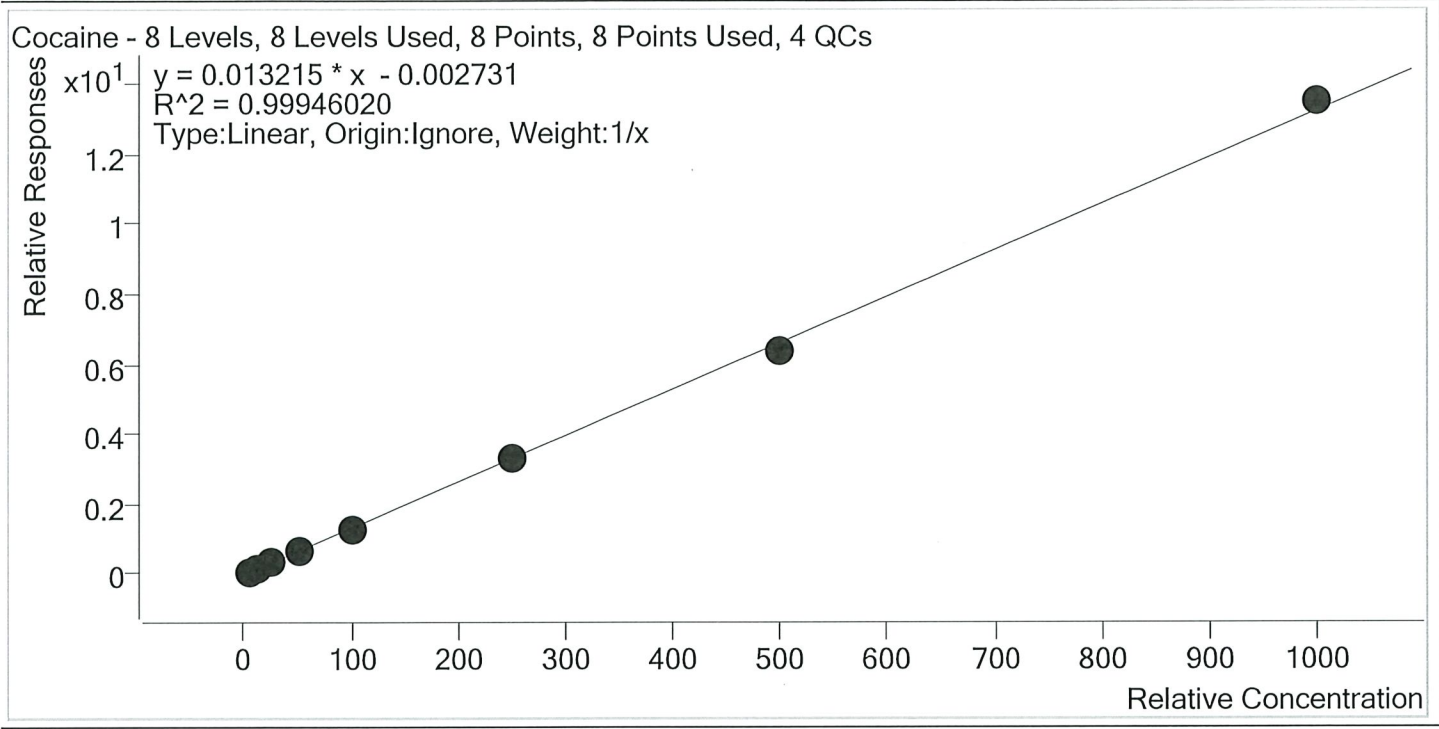
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	53.8	107.5
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	487.5	97.5
p1 Cal 8-1000ng	8	✓	1000.0	895.1	89.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-d3



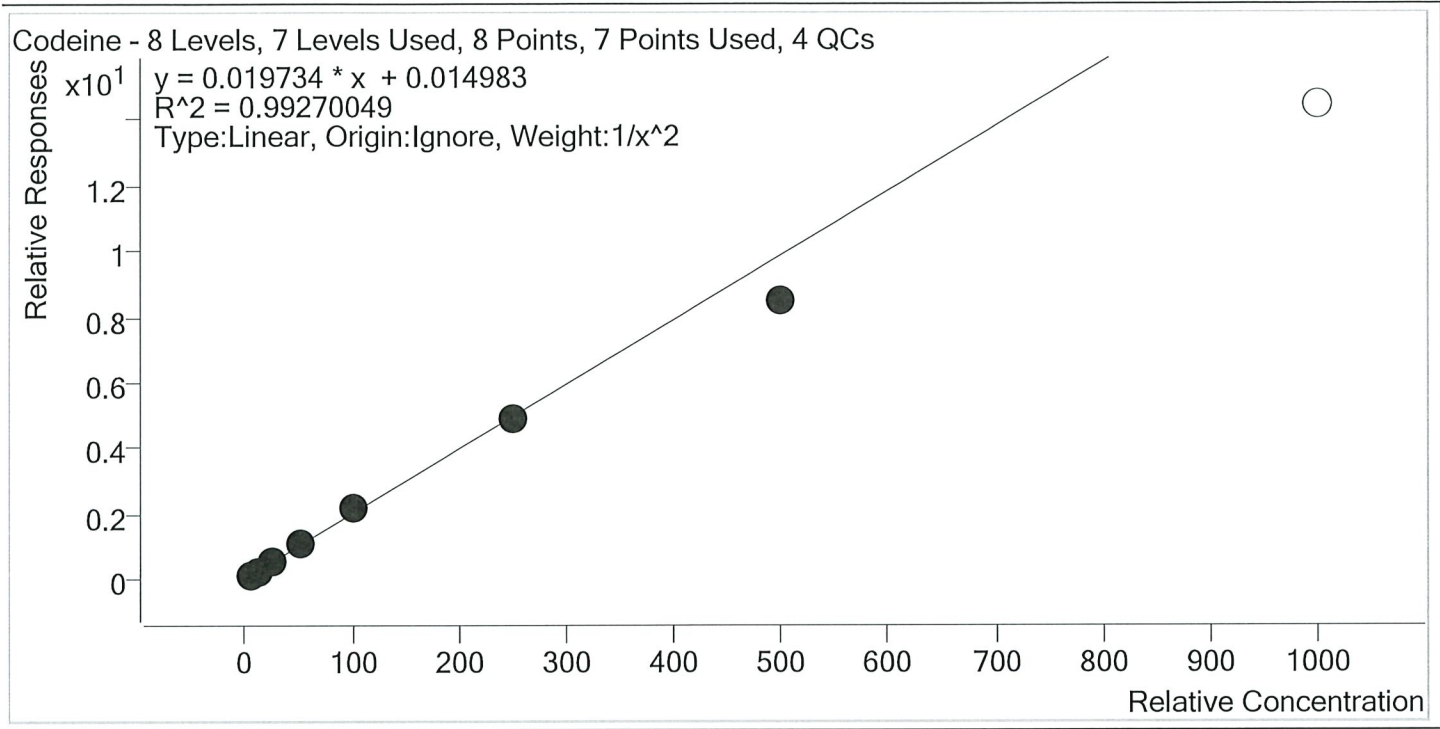
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	485.4	97.1
p1 Cal 8-1000ng	8	✓	1000.0	1020.0	102.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	429.2	85.8
p1 Cal 8-1000ng	8	×	1000.0	732.6	73.3

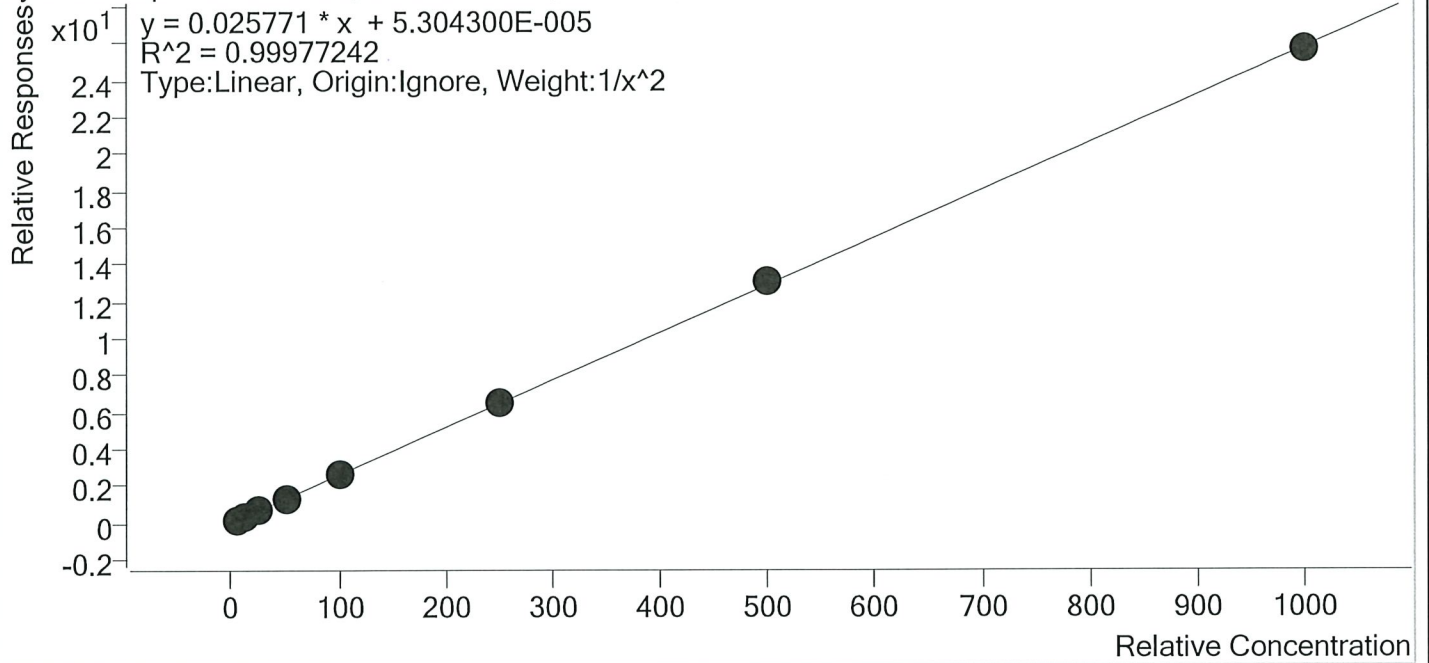
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



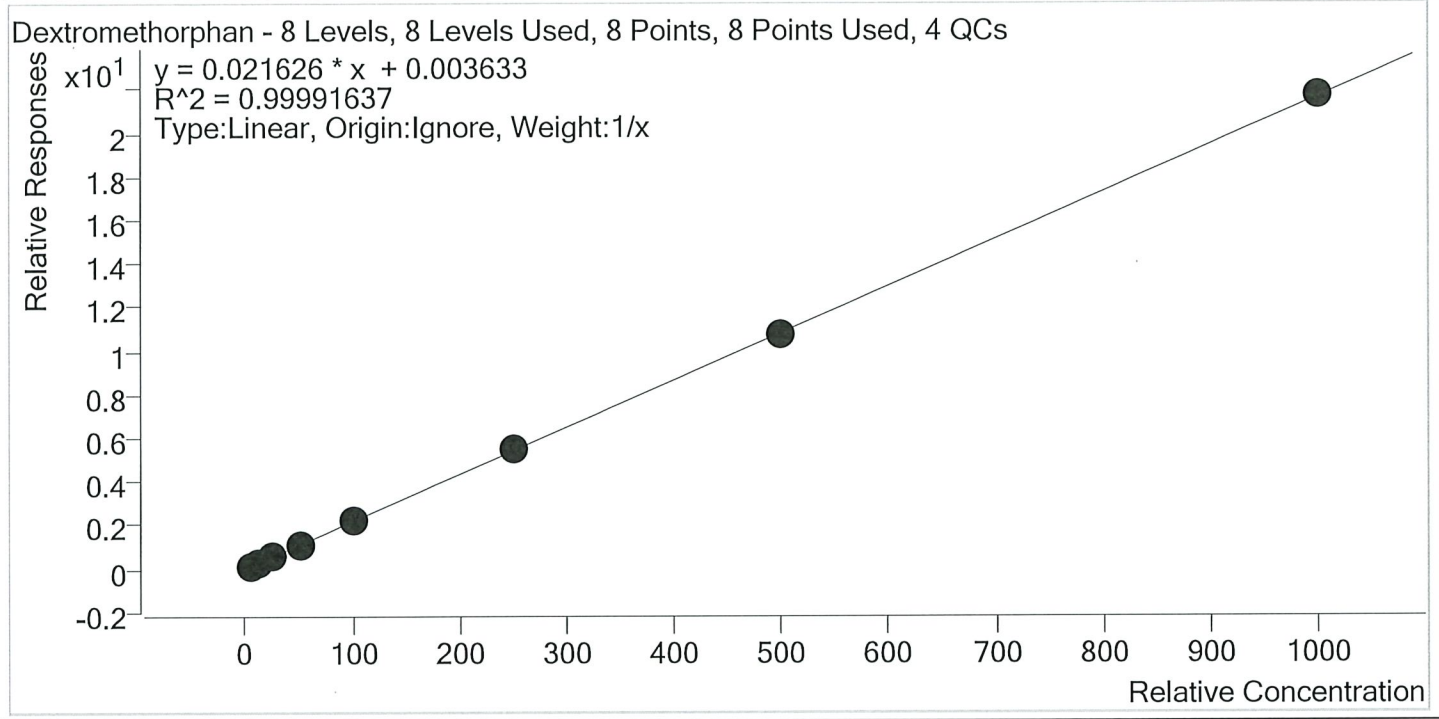
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	504.6	100.9
p1 Cal 8-1000ng	8	✓	1000.0	995.9	99.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3



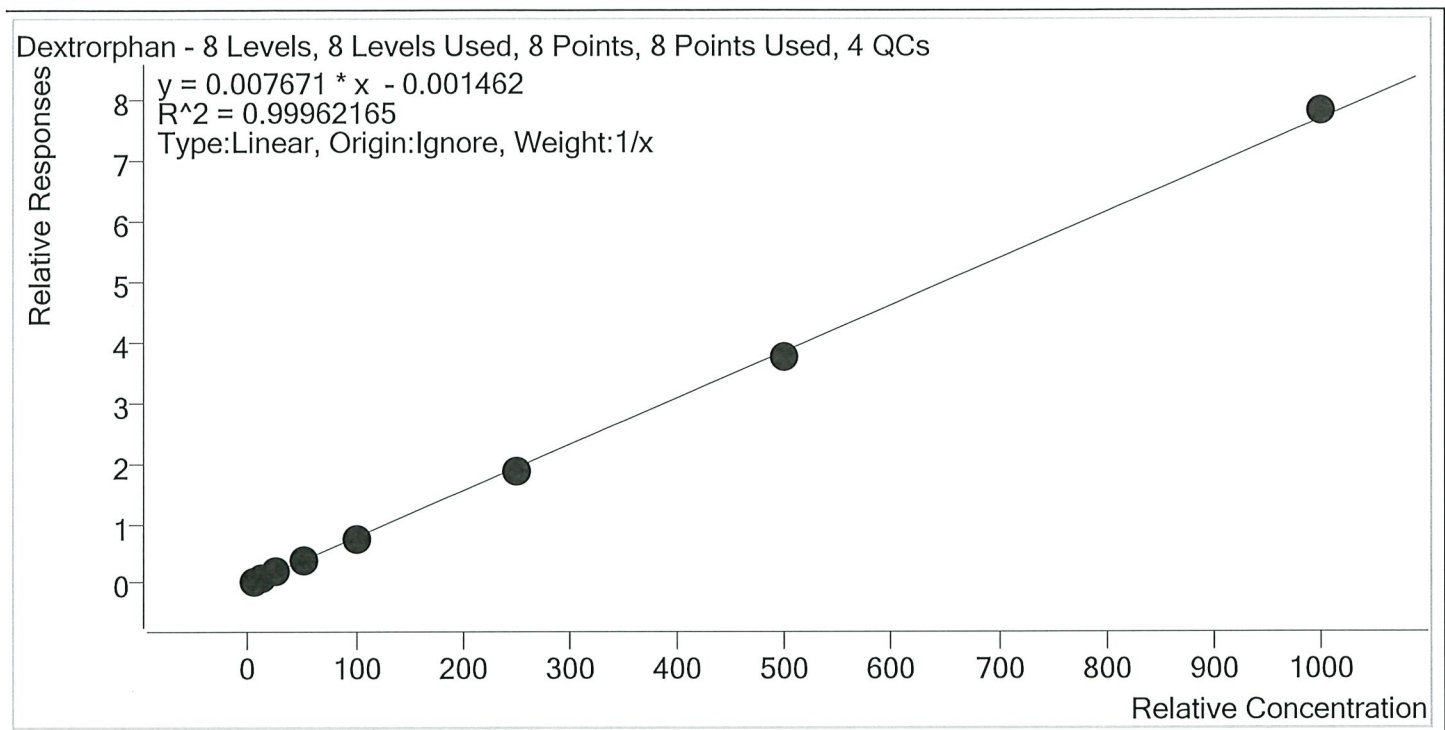
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	493.9	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1003.8	100.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Dextrophan **Internal Standard** Dextrophan-D3



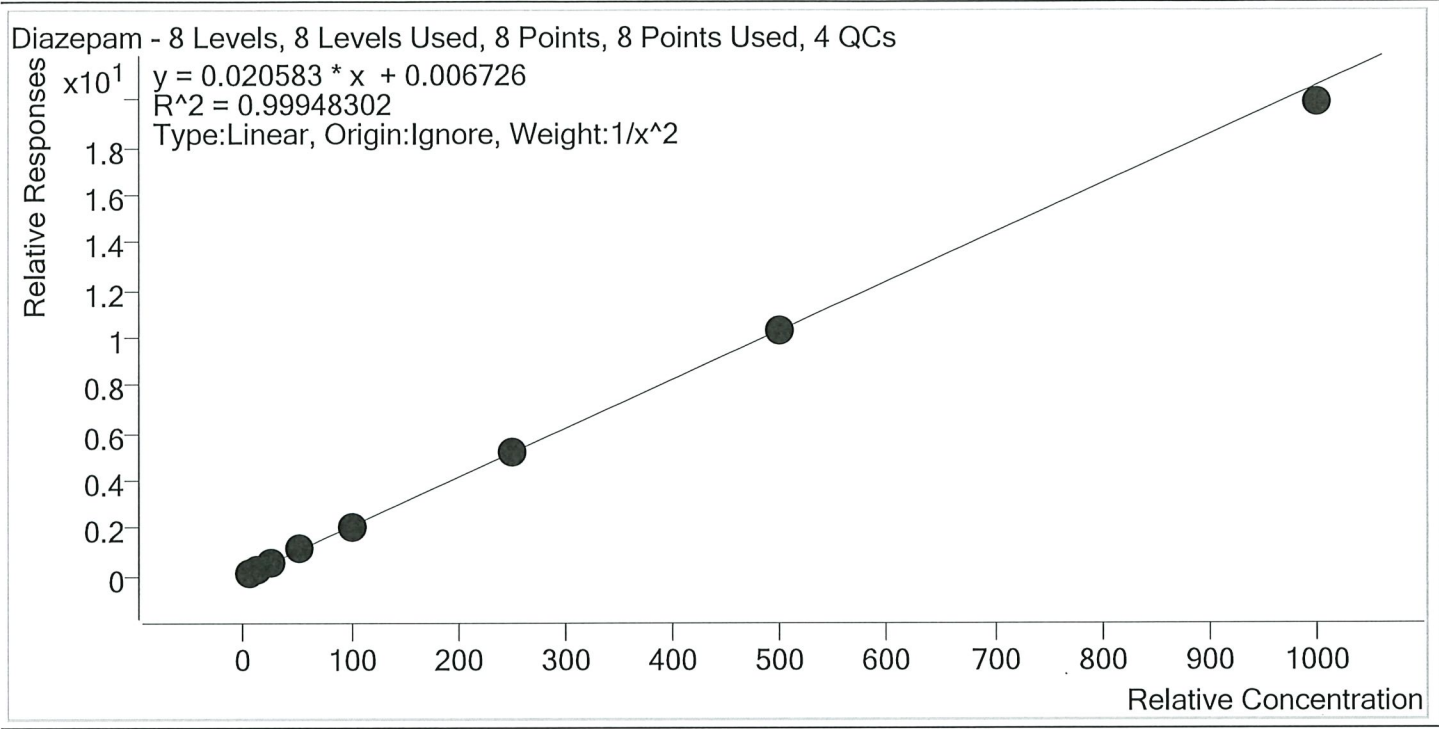
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	490.7	98.1
p1 Cal 8-1000ng	8	✓	1000.0	1016.5	101.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



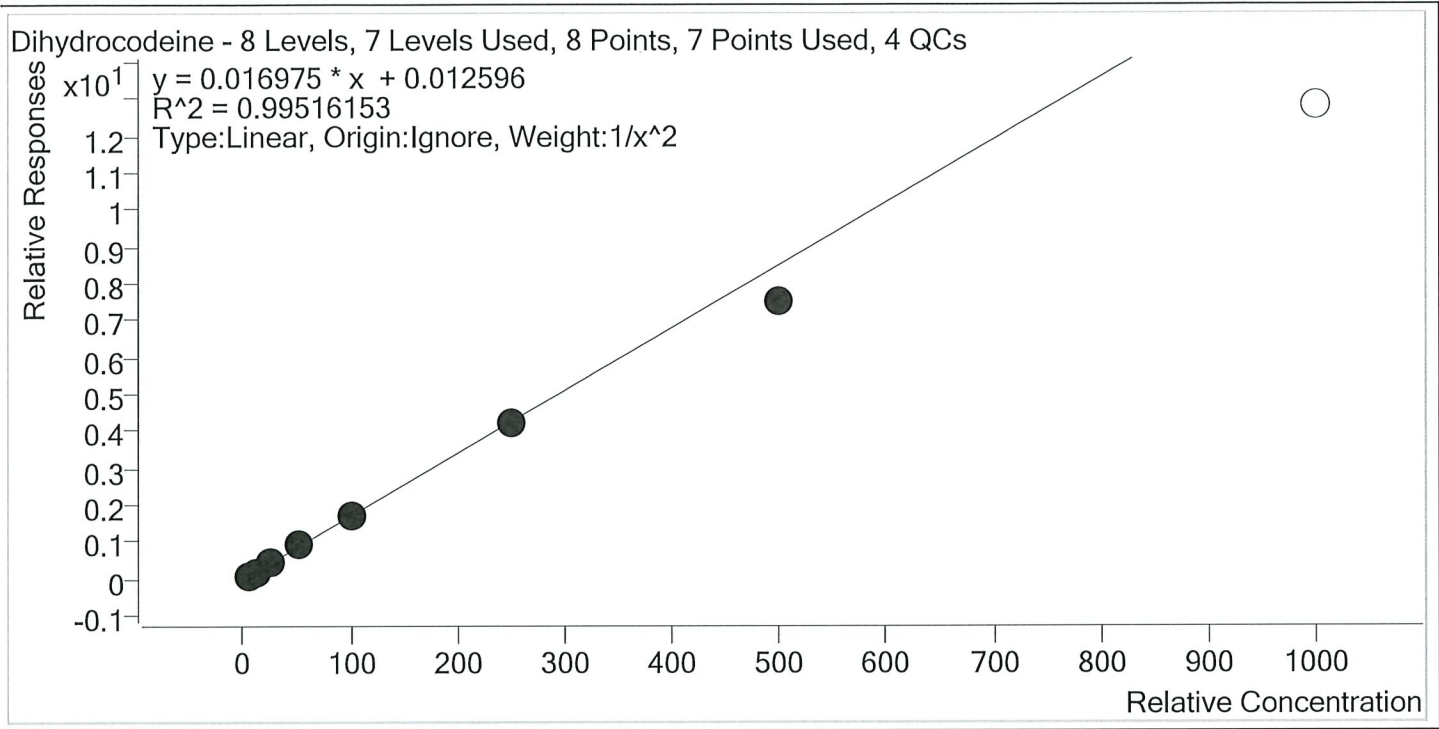
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	500.5	100.1
p1 Cal 8-1000ng	8	✓	1000.0	964.7	96.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	440.6	88.1
p1 Cal 8-1000ng	8	×	1000.0	754.0	75.4

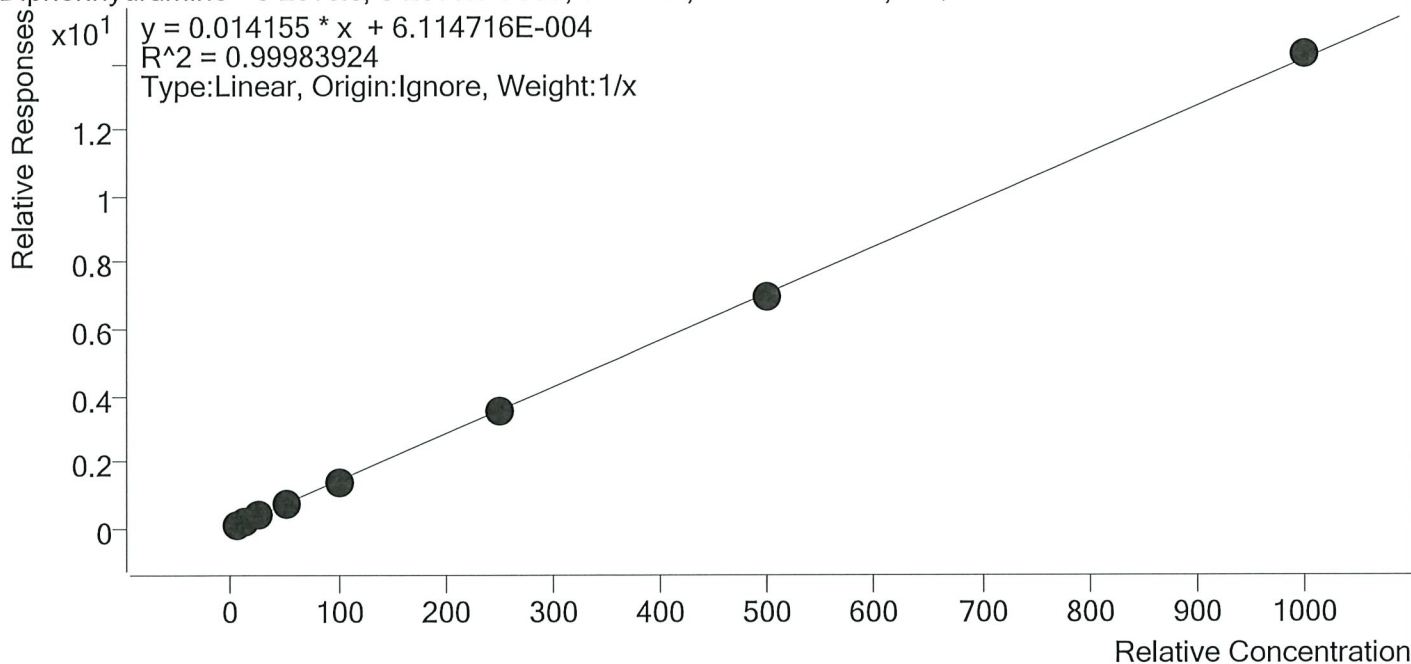
15



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



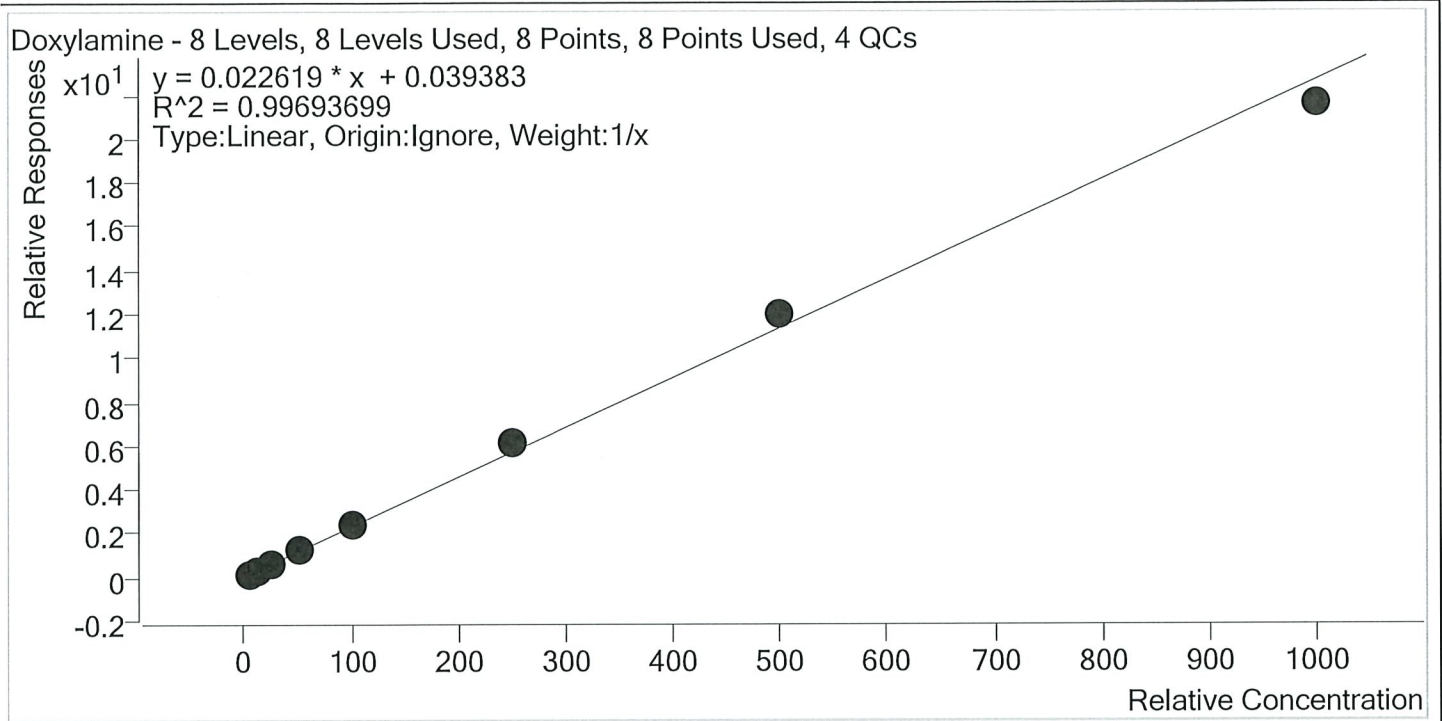
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1010.2	101.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
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	4.2	84.4
p1 Cal 2- 10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	267.6	107.0
p1 Cal 7-500ng	7	✓	500.0	525.7	105.1
p1 Cal 8-1000ng	8	✓	1000.0	952.2	95.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin

Last Cal. Update 5/5/2020 10:20 AM

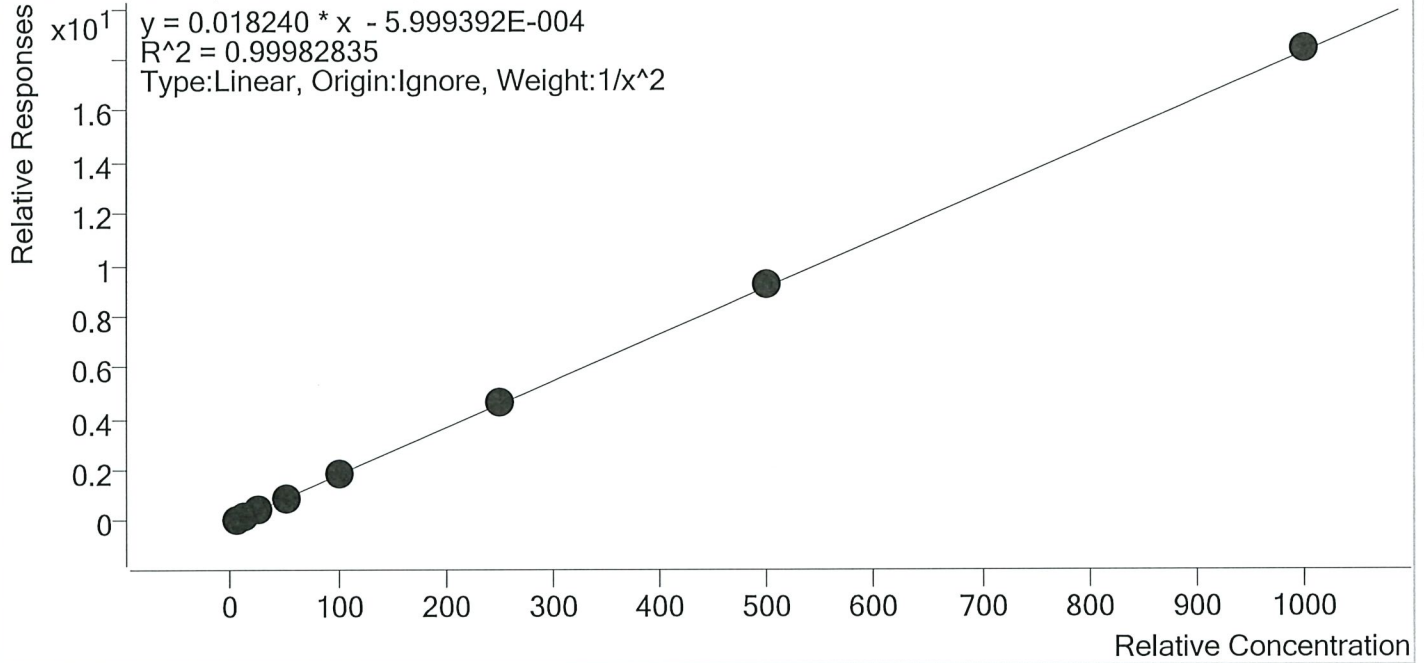
Analyst Name ISP\Datastor

Analyte EDDP

Internal Standard

EDDP-D3

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



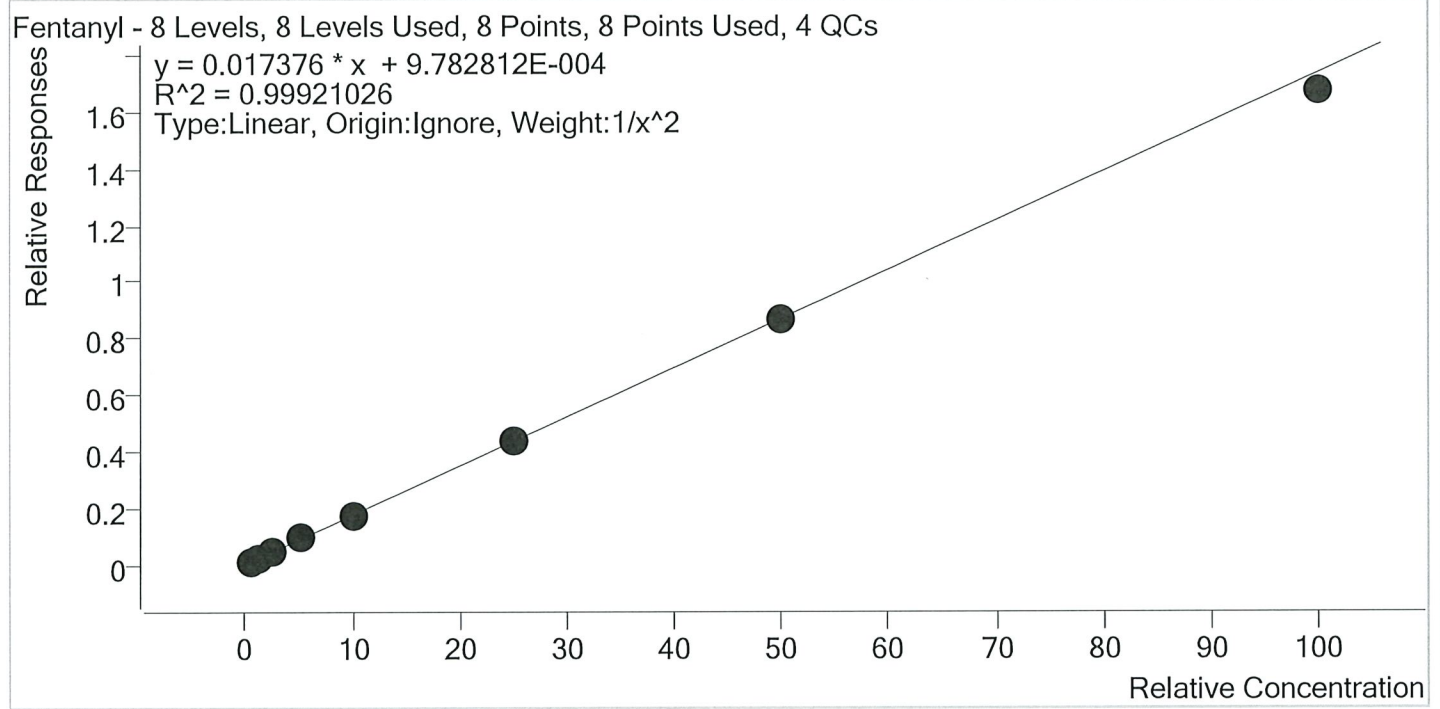
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	504.2	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1007.9	100.8

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5



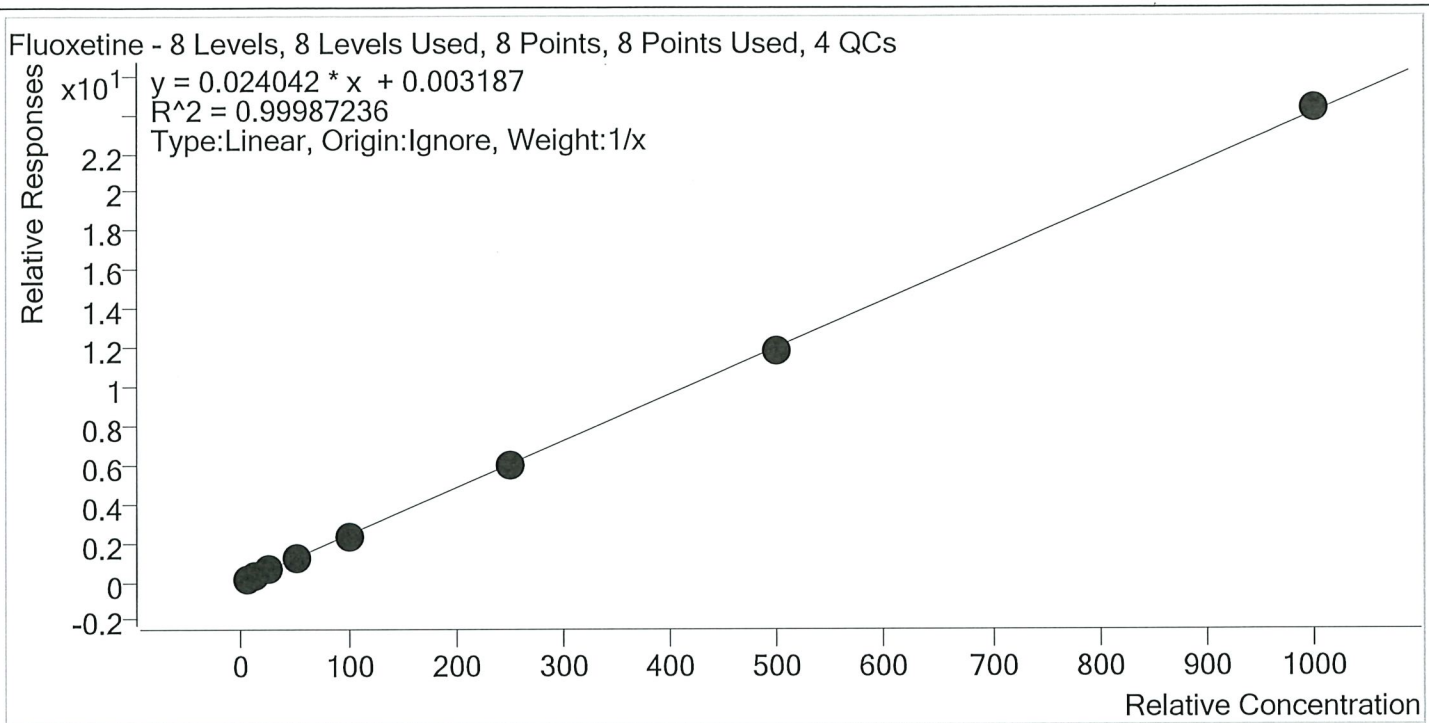
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.2
p1 Cal 2- 10ng	2	✓	1.0	1.0	100.3
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.1
p1 Cal 4-50ng	4	✓	5.0	5.2	103.4
p1 Cal 5-100ng	5	✓	10.0	9.7	97.1
p1 Cal 6-250ng	6	✓	25.0	25.4	101.6
p1 Cal 7-500ng	7	✓	50.0	50.0	99.9
p1 Cal 8-1000ng	8	✓	100.0	96.3	96.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



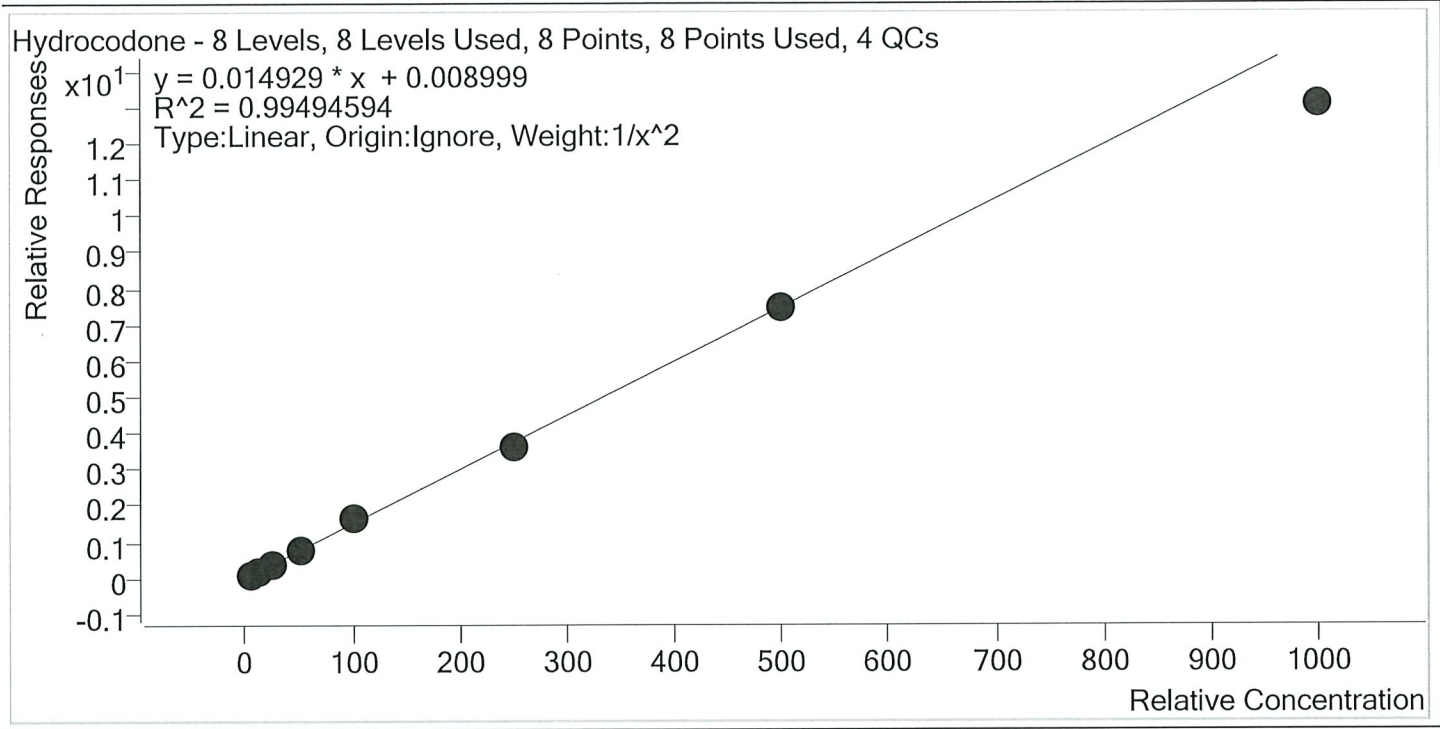
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	248.9	99.5
p1 Cal 7-500ng	7	✓	500.0	492.6	98.5
p1 Cal 8-1000ng	8	✓	1000.0	1009.3	100.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



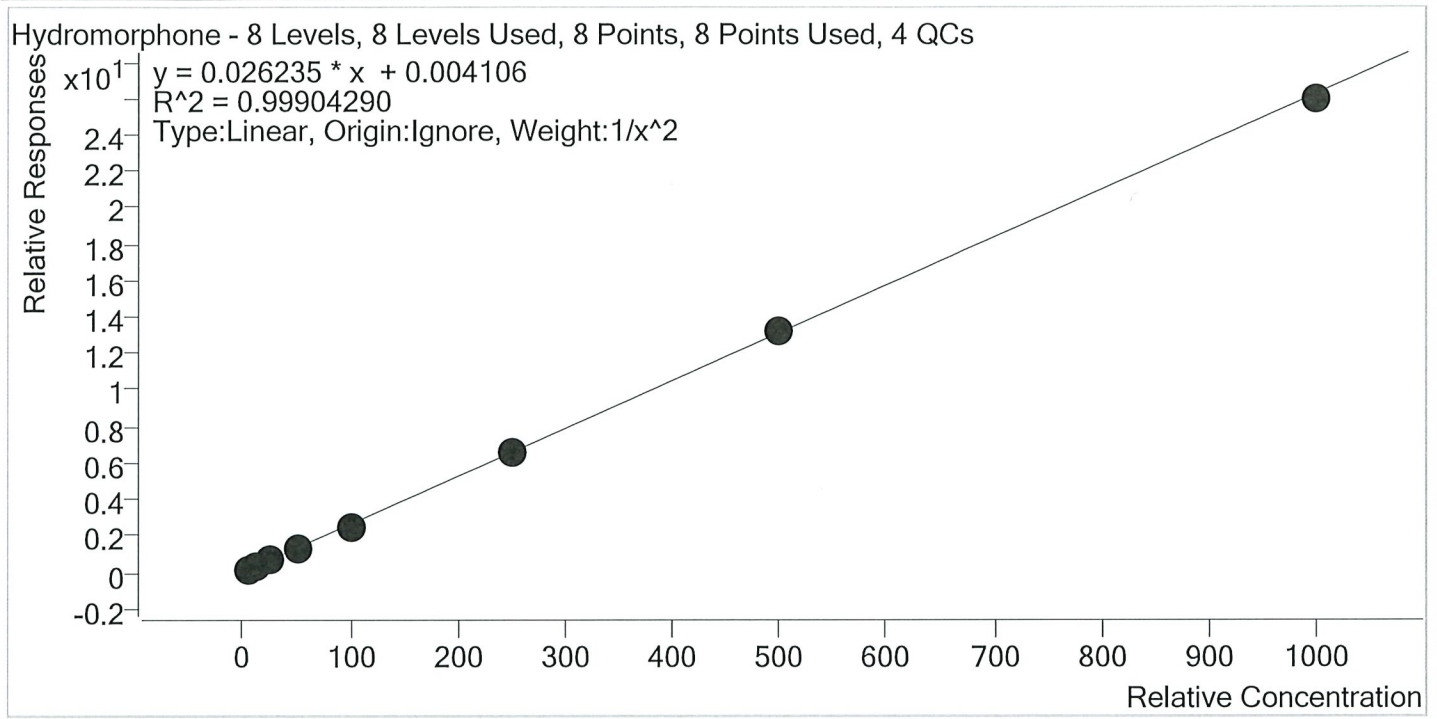
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	108.5	108.5
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	875.6	87.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\lst 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6



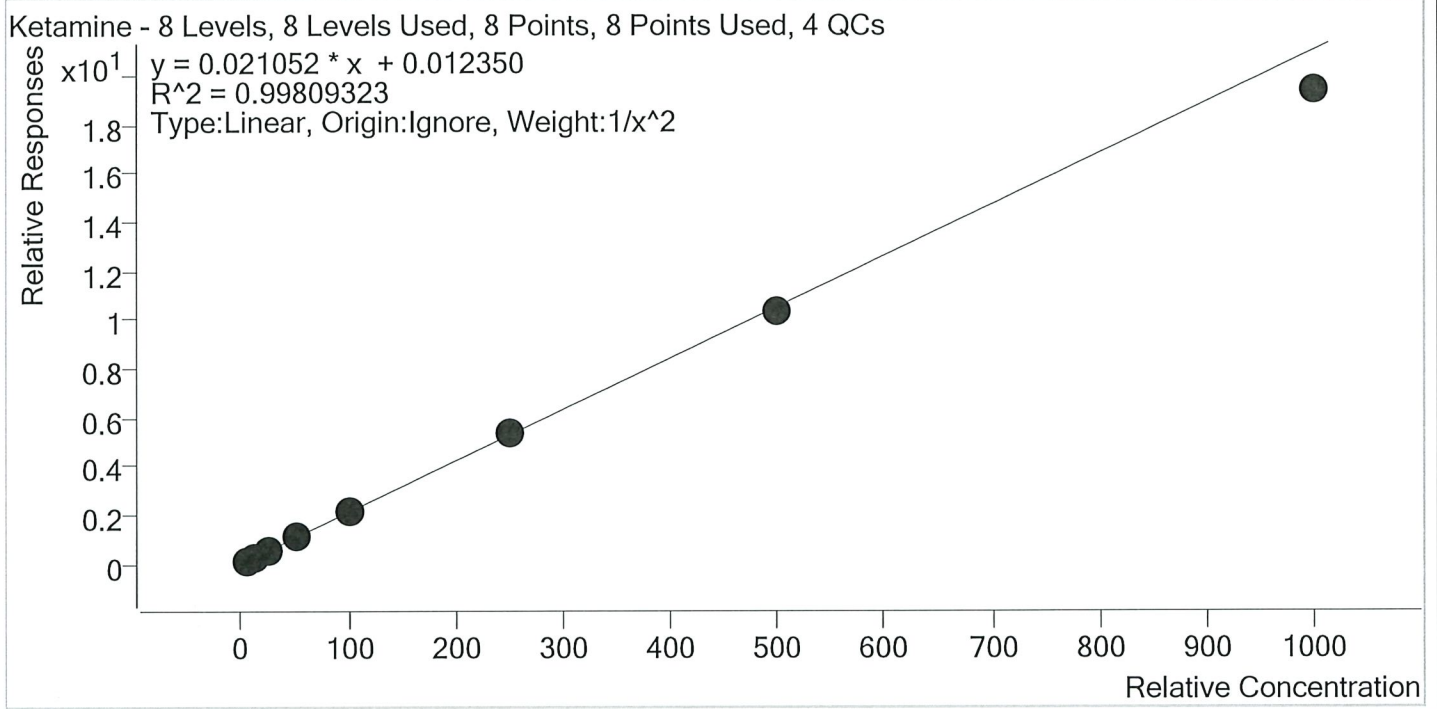
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.5
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	94.9	94.9
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	505.4	101.1
p1 Cal 8-1000ng	8	✓	1000.0	987.9	98.8

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



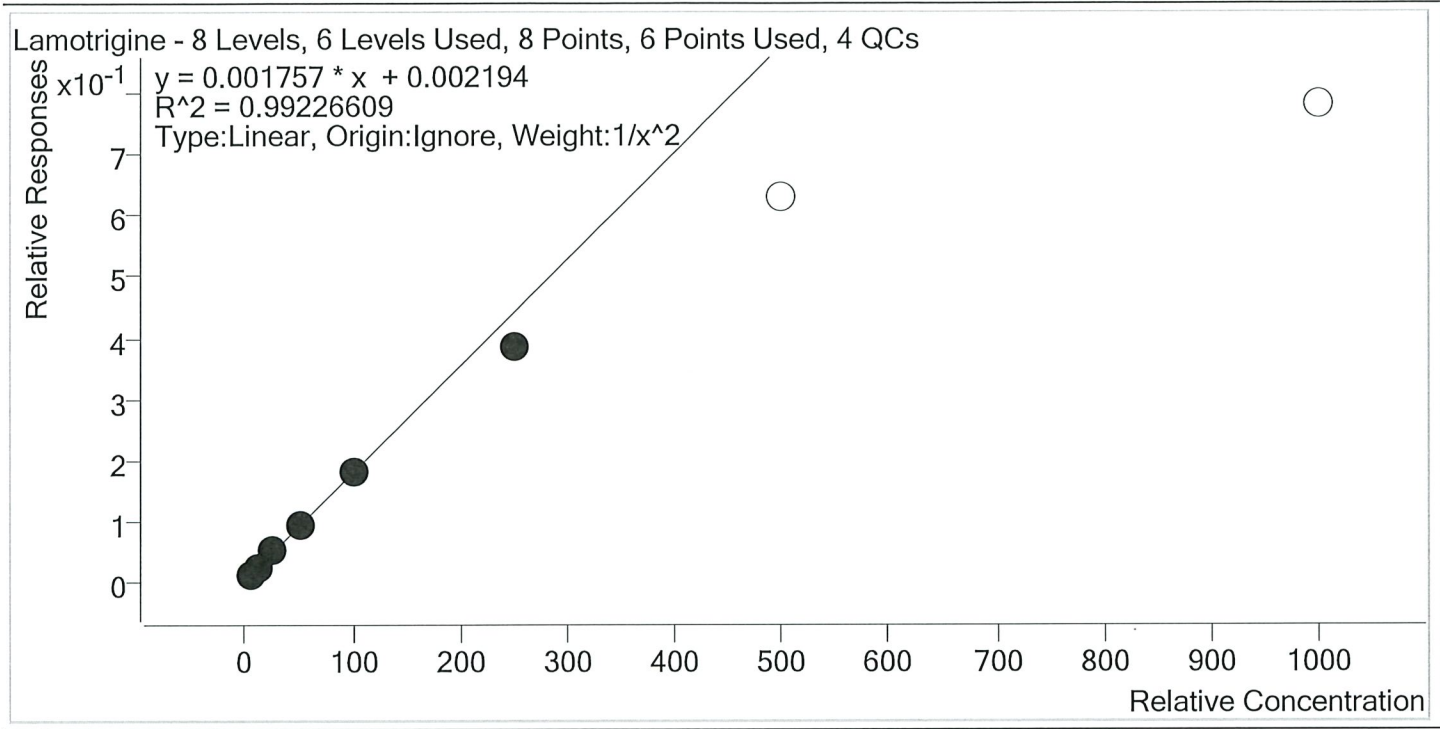
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	492.0	98.4
p1 Cal 8-1000ng	8	✓	1000.0	921.8	92.2

15



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



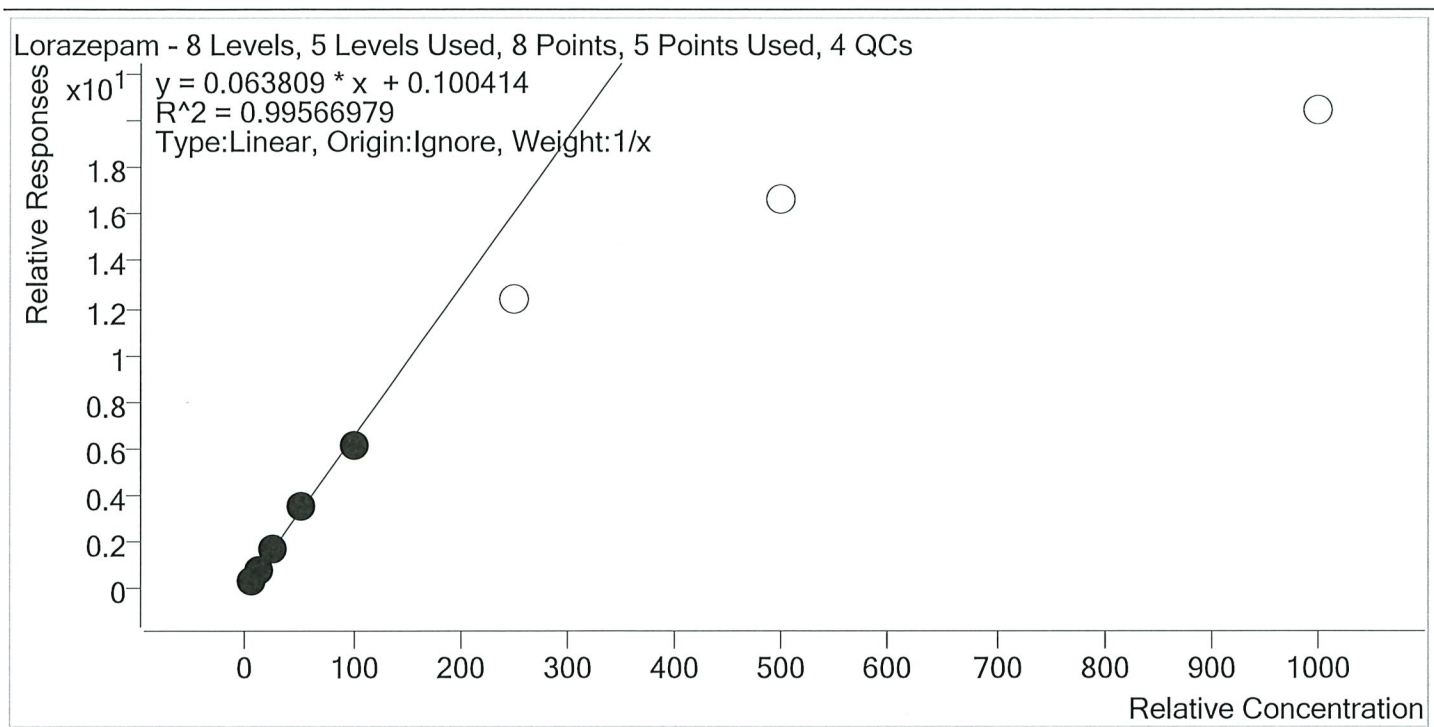
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.4
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	217.2	86.9
p1 Cal 7-500ng	7	×	500.0	358.8	71.8
p1 Cal 8-1000ng	8	×	1000.0	444.8	44.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4



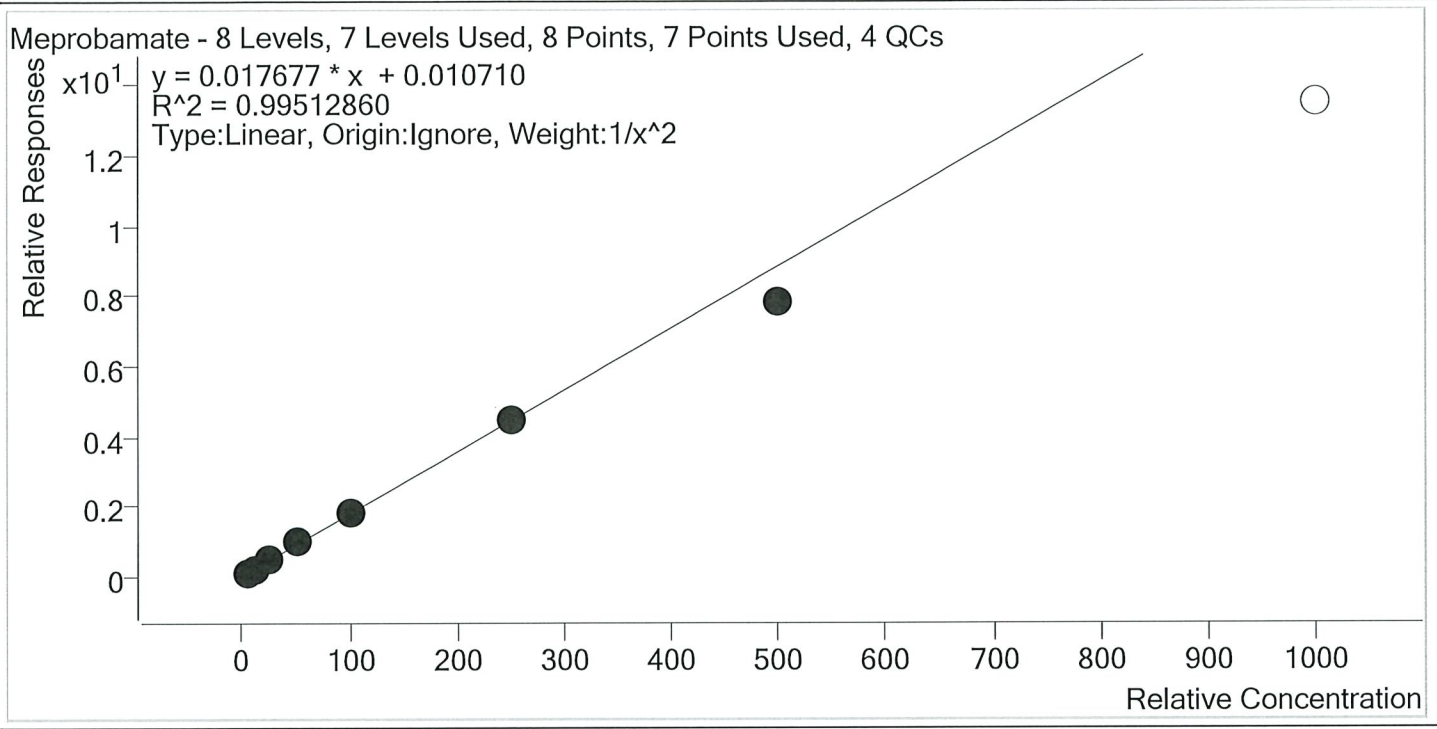
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.4	88.0
p1 Cal 2- 10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	53.2	106.5
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	×	250.0	191.9	76.7
p1 Cal 7-500ng	7	×	500.0	259.5	51.9
p1 Cal 8-1000ng	8	×	1000.0	318.6	31.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\lst 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



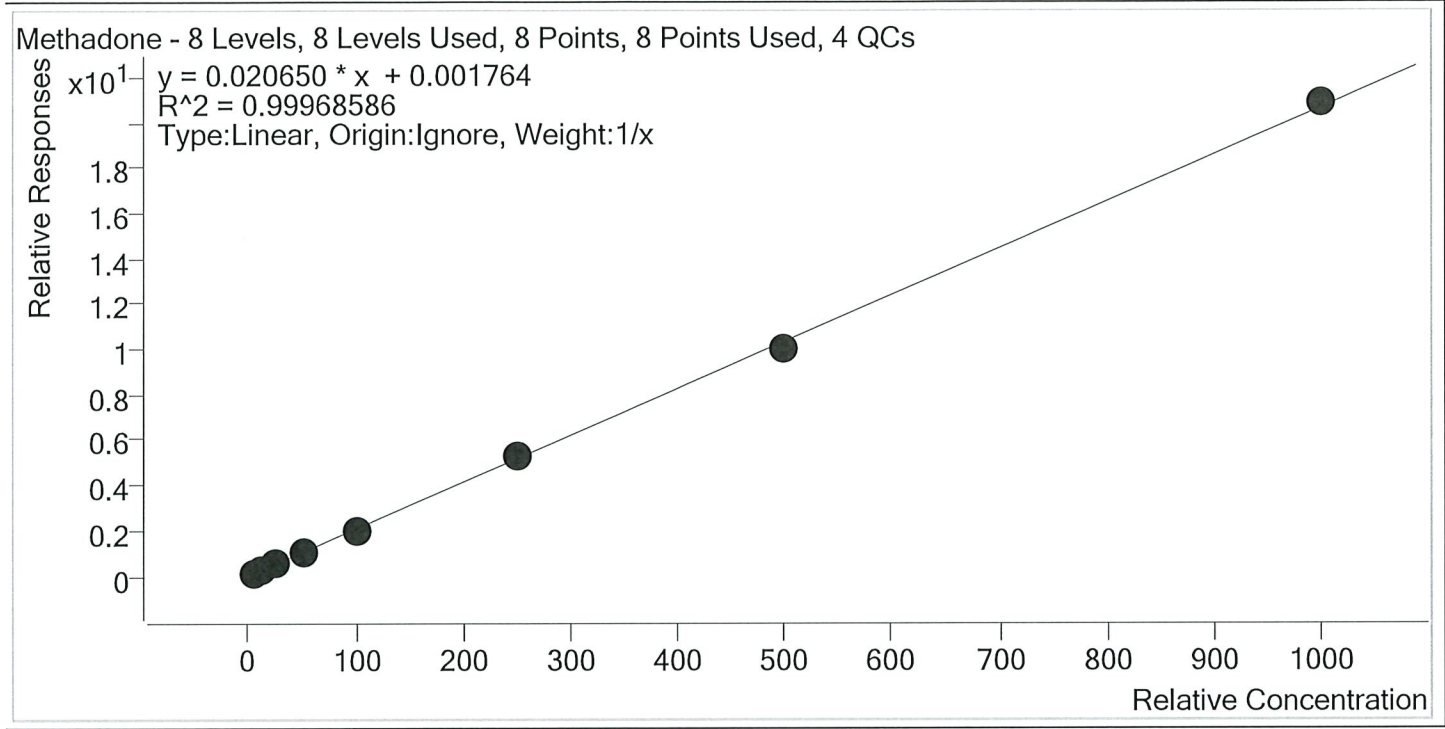
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	440.5	88.1
p1 Cal 8-1000ng	8	×	1000.0	764.1	76.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9



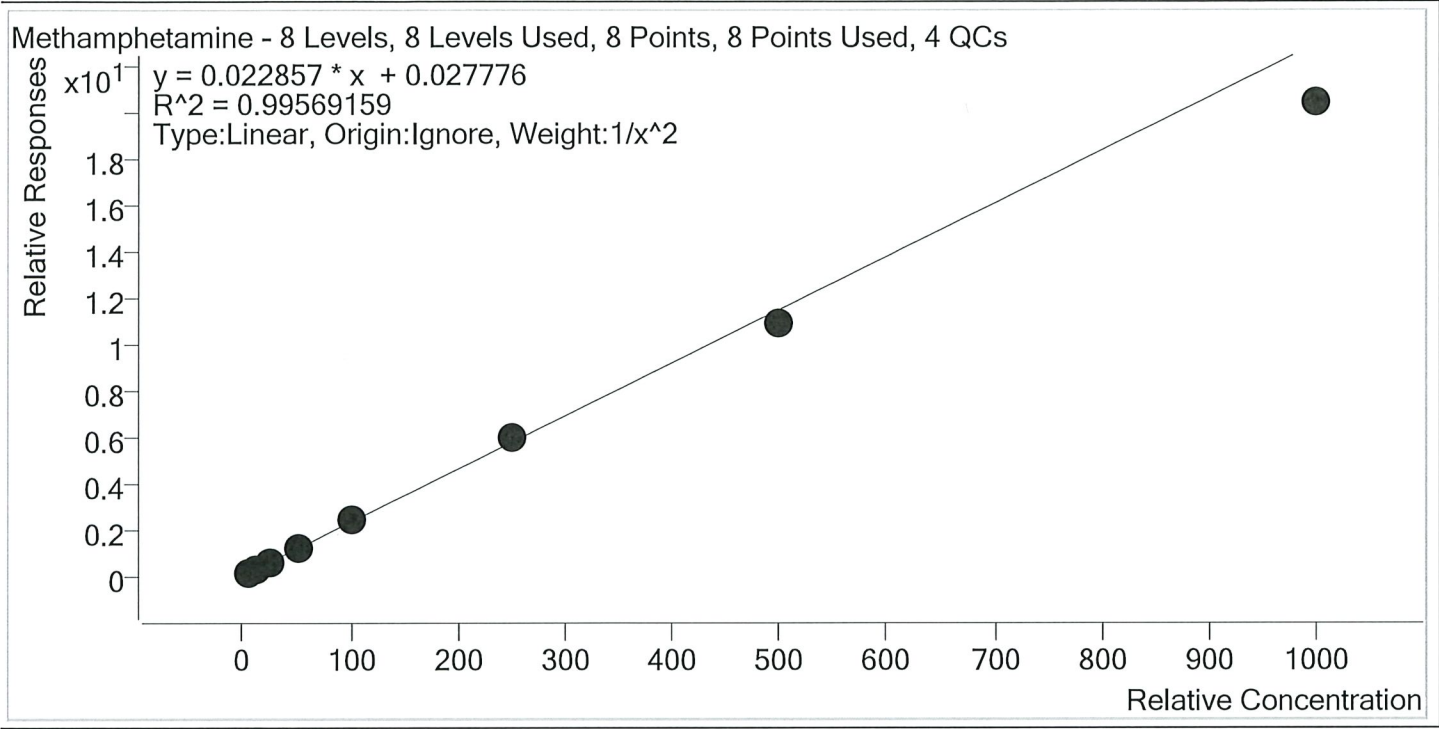
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	488.2	97.6
p1 Cal 8-1000ng	8	✓	1000.0	1010.2	101.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



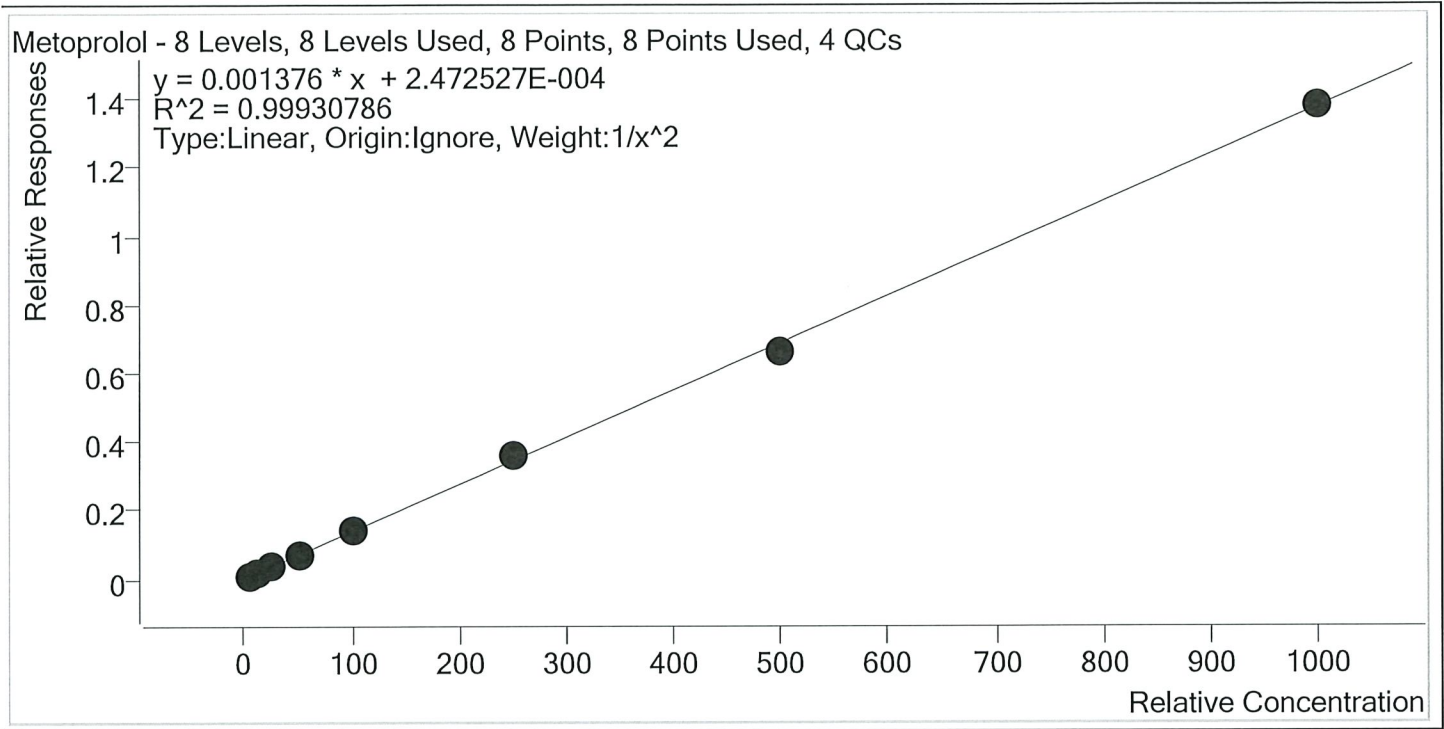
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.2
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	475.7	95.1
p1 Cal 8-1000ng	8	✓	1000.0	889.9	89.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



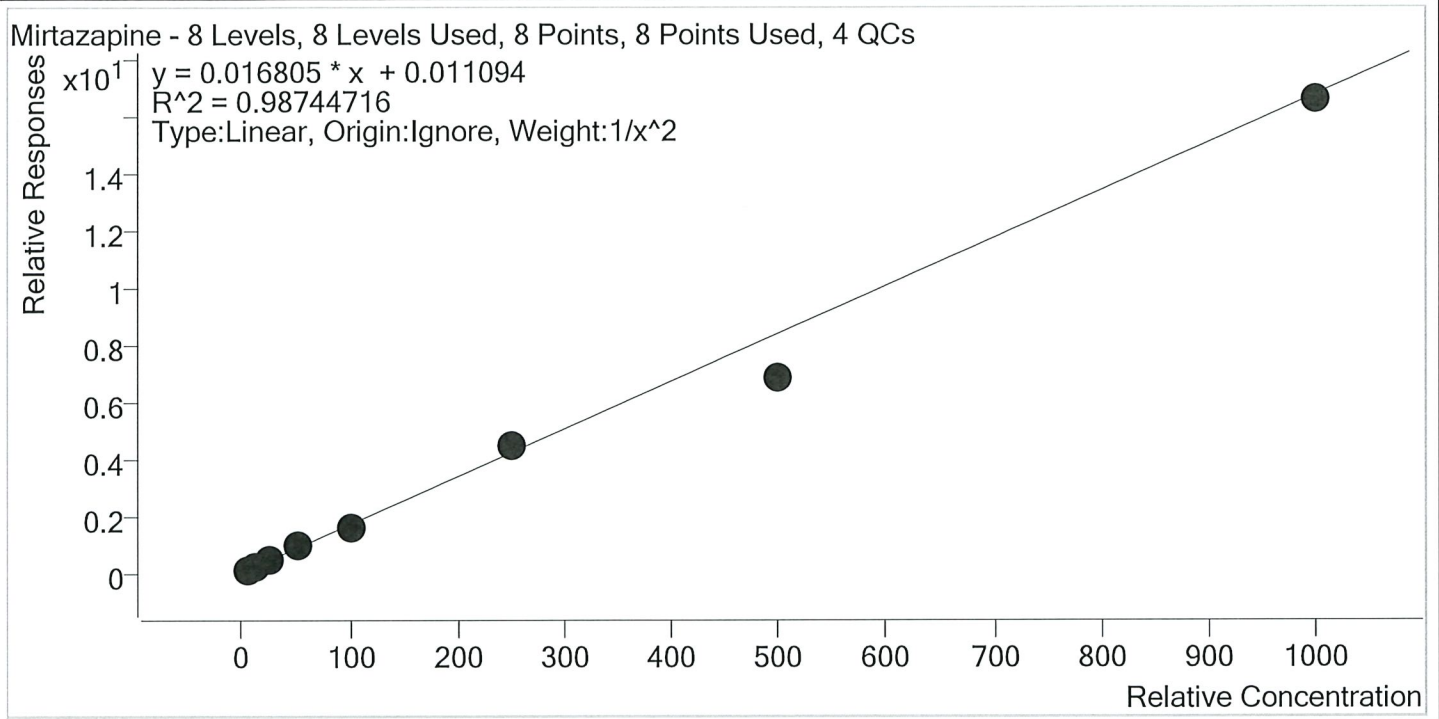
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	257.6	103.0
p1 Cal 7-500ng	7	✓	500.0	482.1	96.4
p1 Cal 8-1000ng	8	✓	1000.0	1002.6	100.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



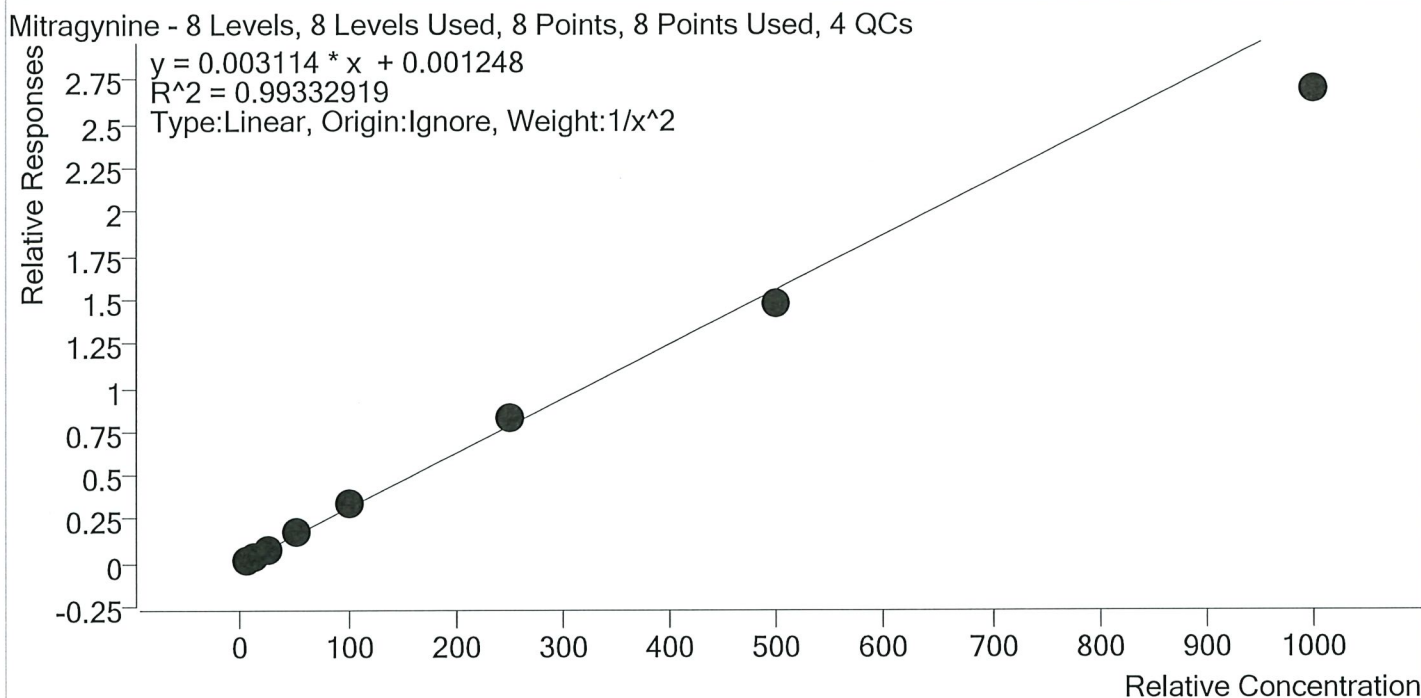
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	92.7
p1 Cal 2- 10ng	2	✓	10.0	11.0	110.4
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.9
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	265.3	106.1
p1 Cal 7-500ng	7	✓	500.0	408.2	81.6
p1 Cal 8-1000ng	8	✓	1000.0	989.2	98.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



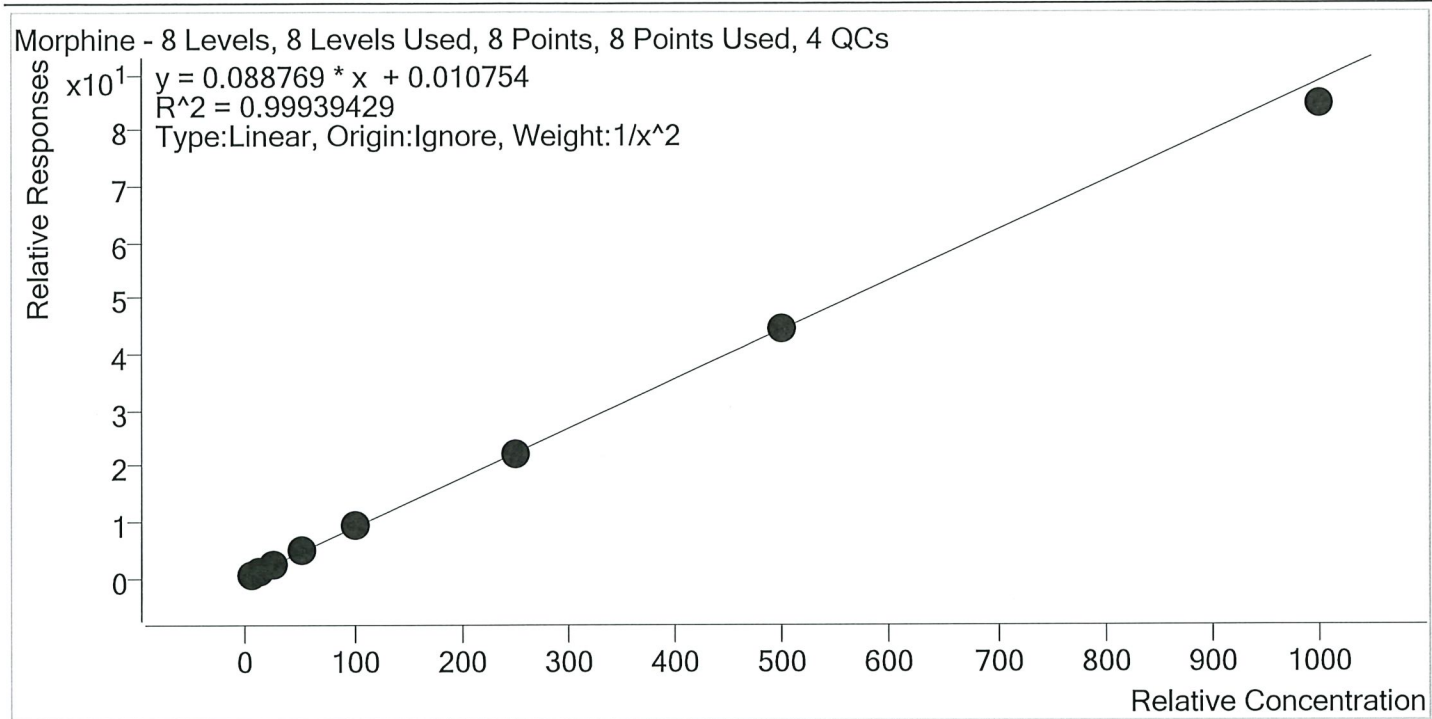
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	107.1	107.1
p1 Cal 6-250ng	6	✓	250.0	264.2	105.7
p1 Cal 7-500ng	7	✓	500.0	472.6	94.5
p1 Cal 8-1000ng	8	✓	1000.0	865.1	86.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Morphine **Internal Standard** Morphine-D6



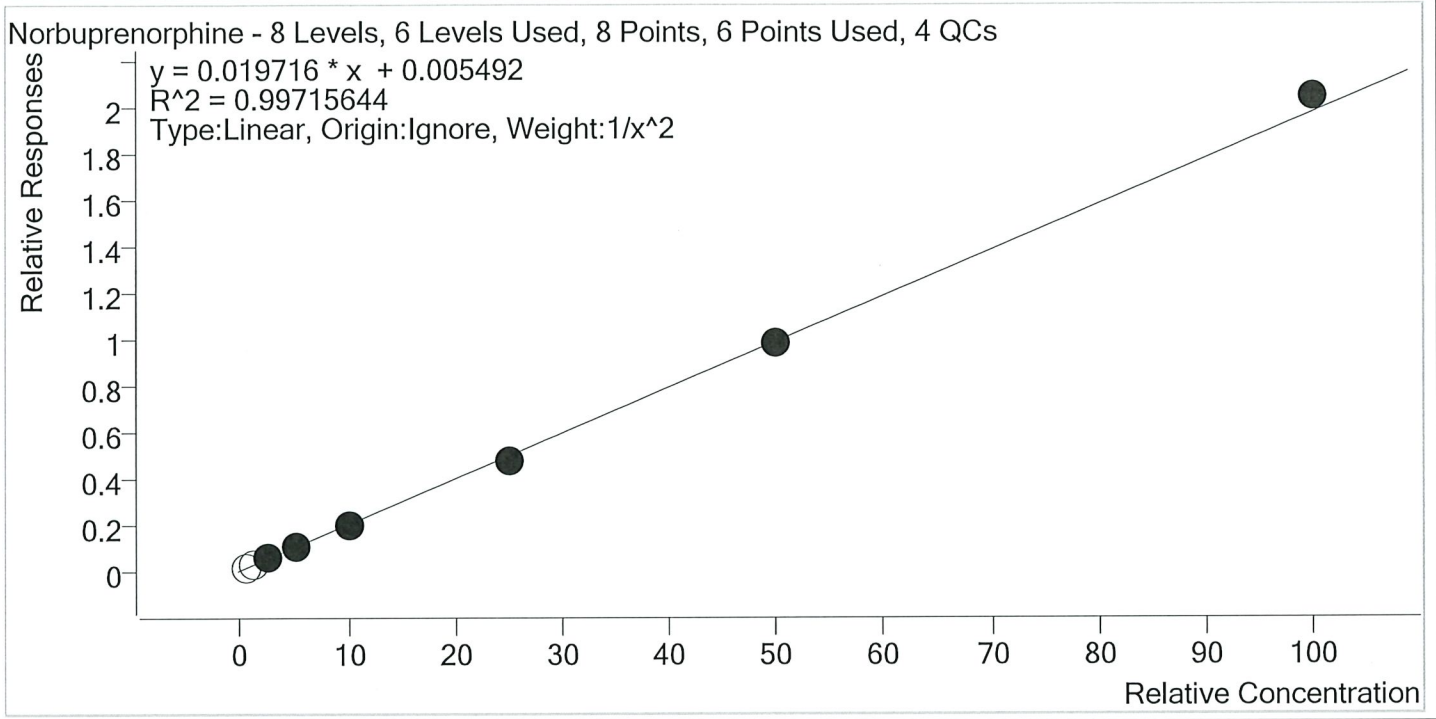
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	500.0	100.0
p1 Cal 8-1000ng	8	✓	1000.0	953.7	95.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	×	0.5	0.6	110.3
p1 Cal 2- 10ng	2	×	1.0	1.1	106.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.9
p1 Cal 4-50ng	4	✓	5.0	5.3	106.7
p1 Cal 5-100ng	5	✓	10.0	9.6	96.2
p1 Cal 6-250ng	6	✓	25.0	24.0	96.0
p1 Cal 7-500ng	7	✓	50.0	49.9	99.8
p1 Cal 8-1000ng	8	✓	100.0	103.4	103.4

TS



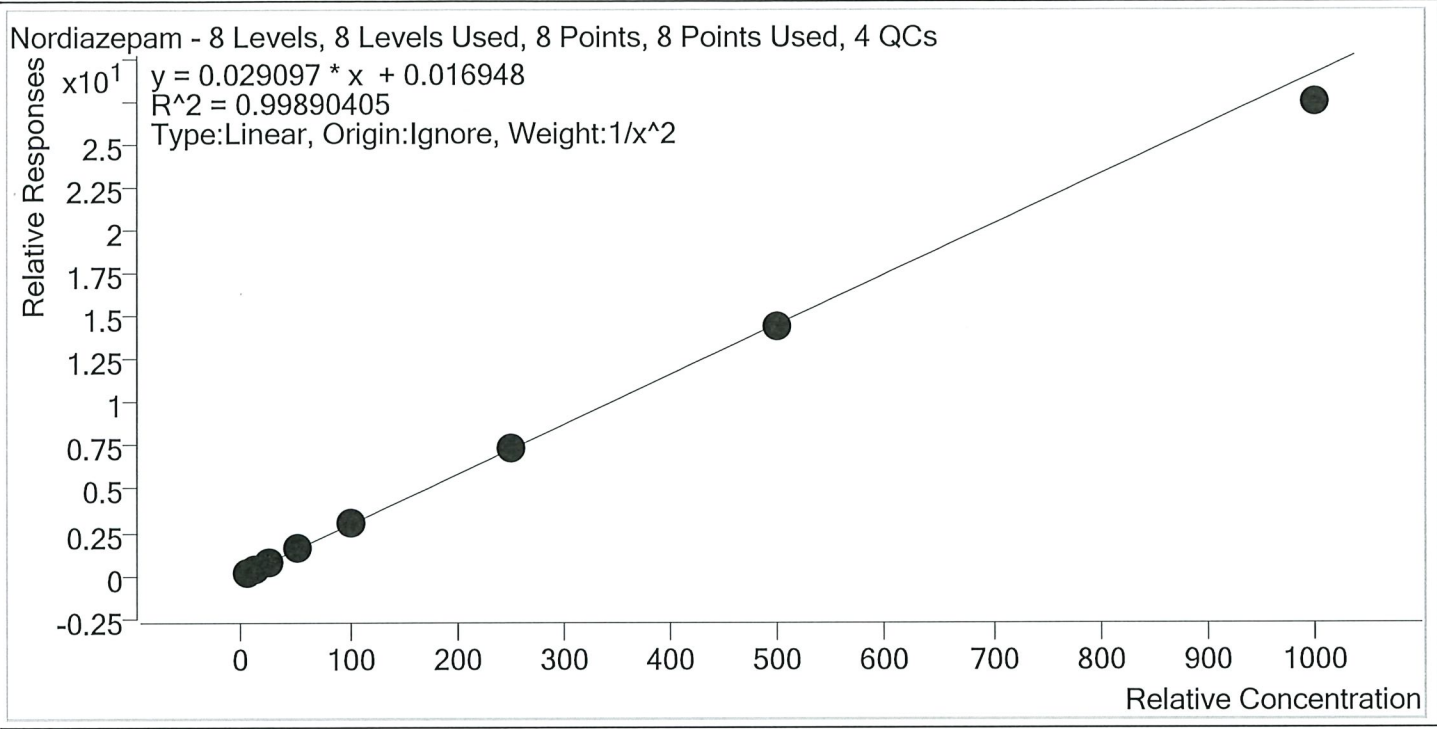
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin

Last Cal. Update 5/5/2020 10:20 AM

Analyst Name ISP\Datastor

Analyte Nordiazepam **Internal Standard** Nordiazepam-D5



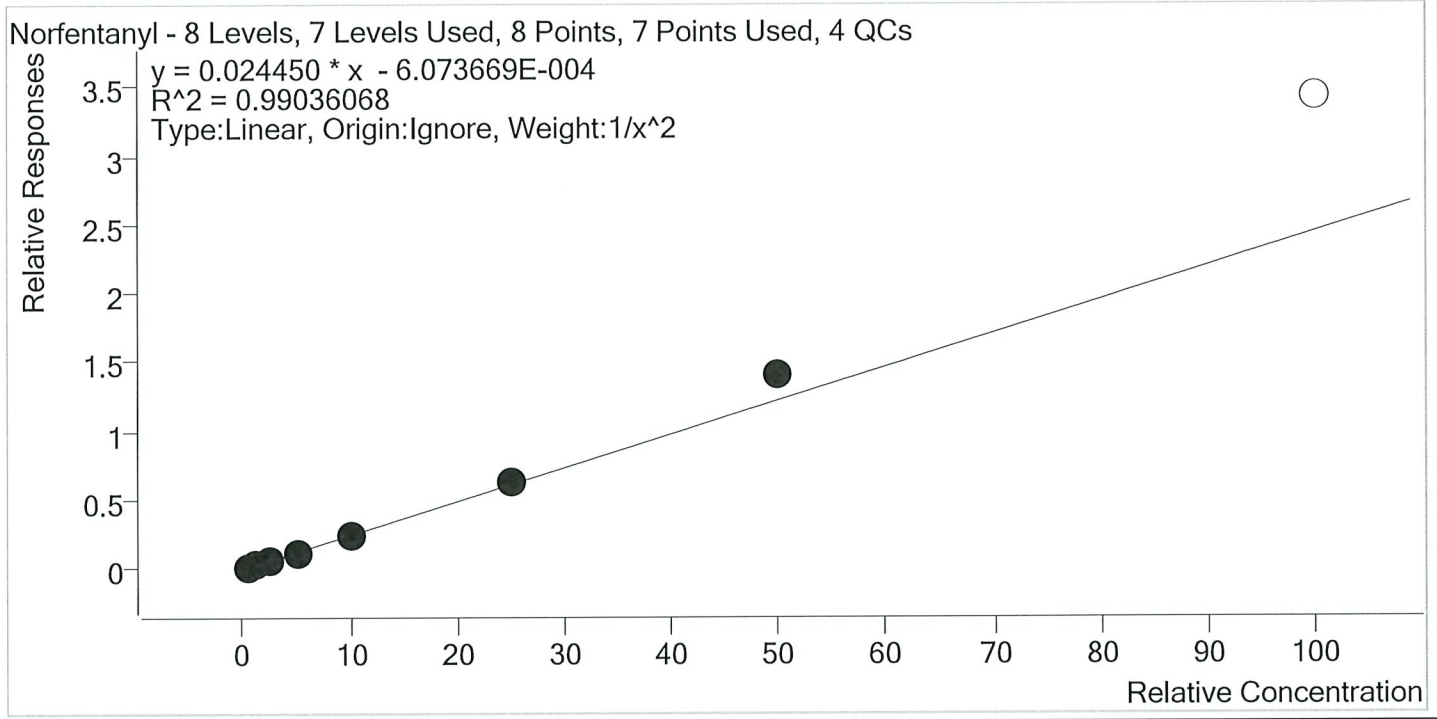
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.2
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	491.8	98.4
p1 Cal 8-1000ng	8	✓	1000.0	943.0	94.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



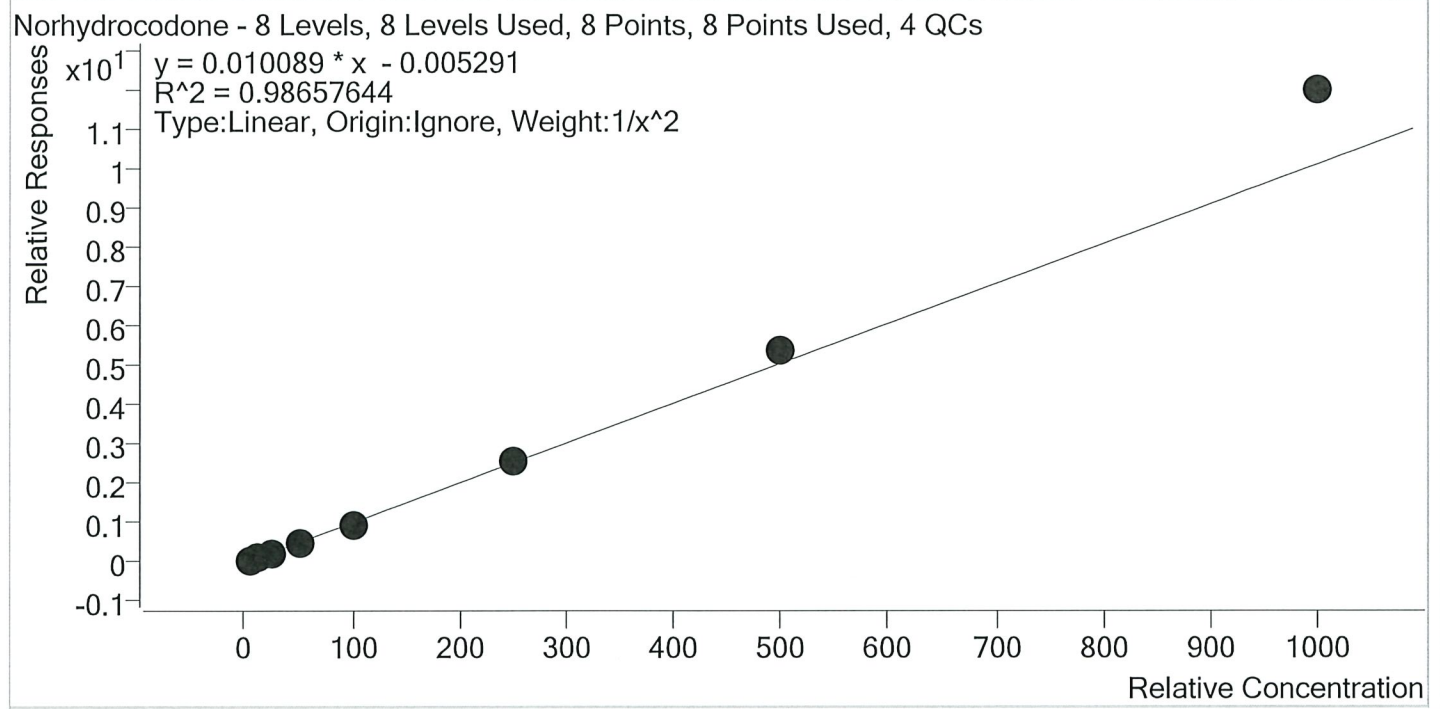
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.4
p1 Cal 2- 10ng	2	✓	1.0	0.9	95.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.0
p1 Cal 4-50ng	4	✓	5.0	4.7	94.4
p1 Cal 5-100ng	5	✓	10.0	9.4	94.0
p1 Cal 6-250ng	6	✓	25.0	25.5	101.9
p1 Cal 7-500ng	7	✓	50.0	58.2	116.3
p1 Cal 8-1000ng	8	×	100.0	140.2	140.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



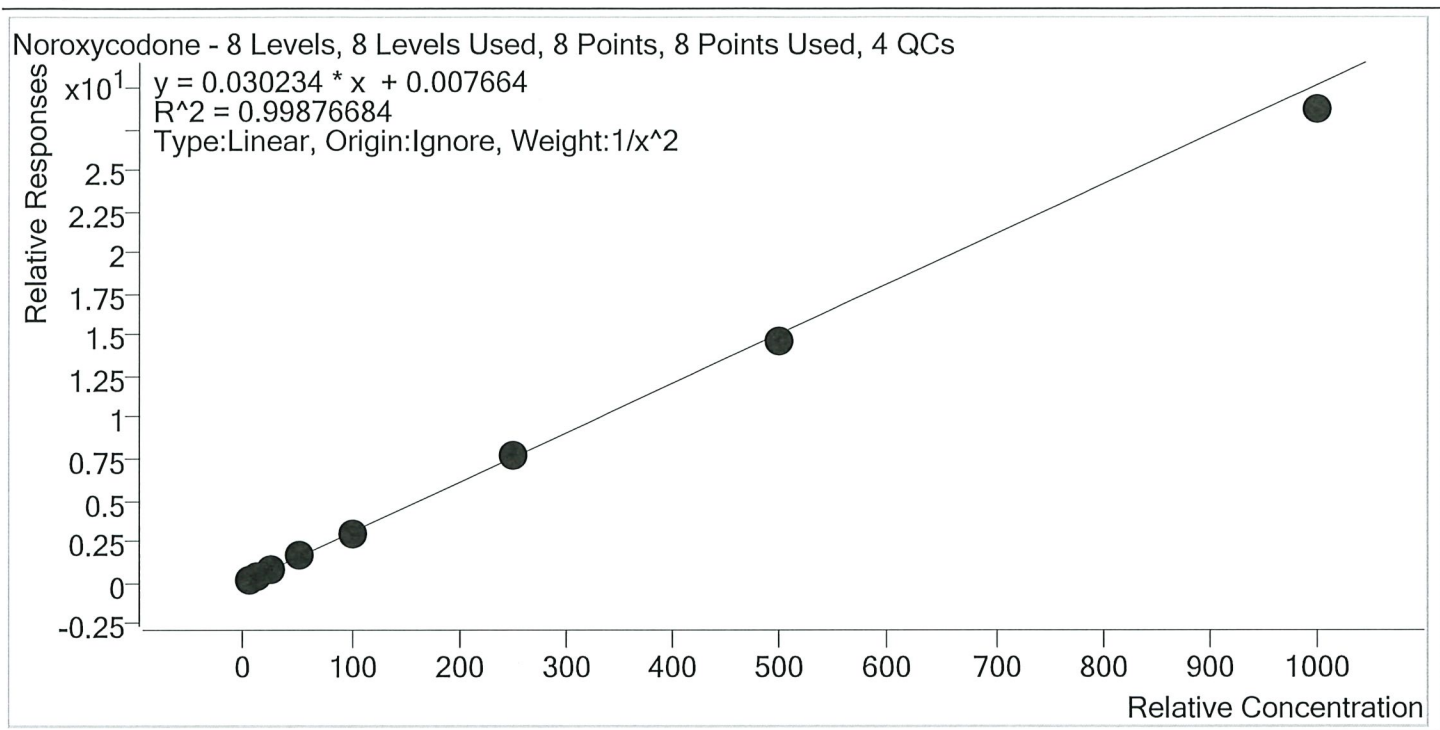
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.2
p1 Cal 2- 10ng	2	✓	10.0	9.1	91.2
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.5
p1 Cal 4-50ng	4	✓	50.0	45.8	91.5
p1 Cal 5-100ng	5	✓	100.0	92.3	92.3
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	529.9	106.0
p1 Cal 8-1000ng	8	✓	1000.0	1185.9	118.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



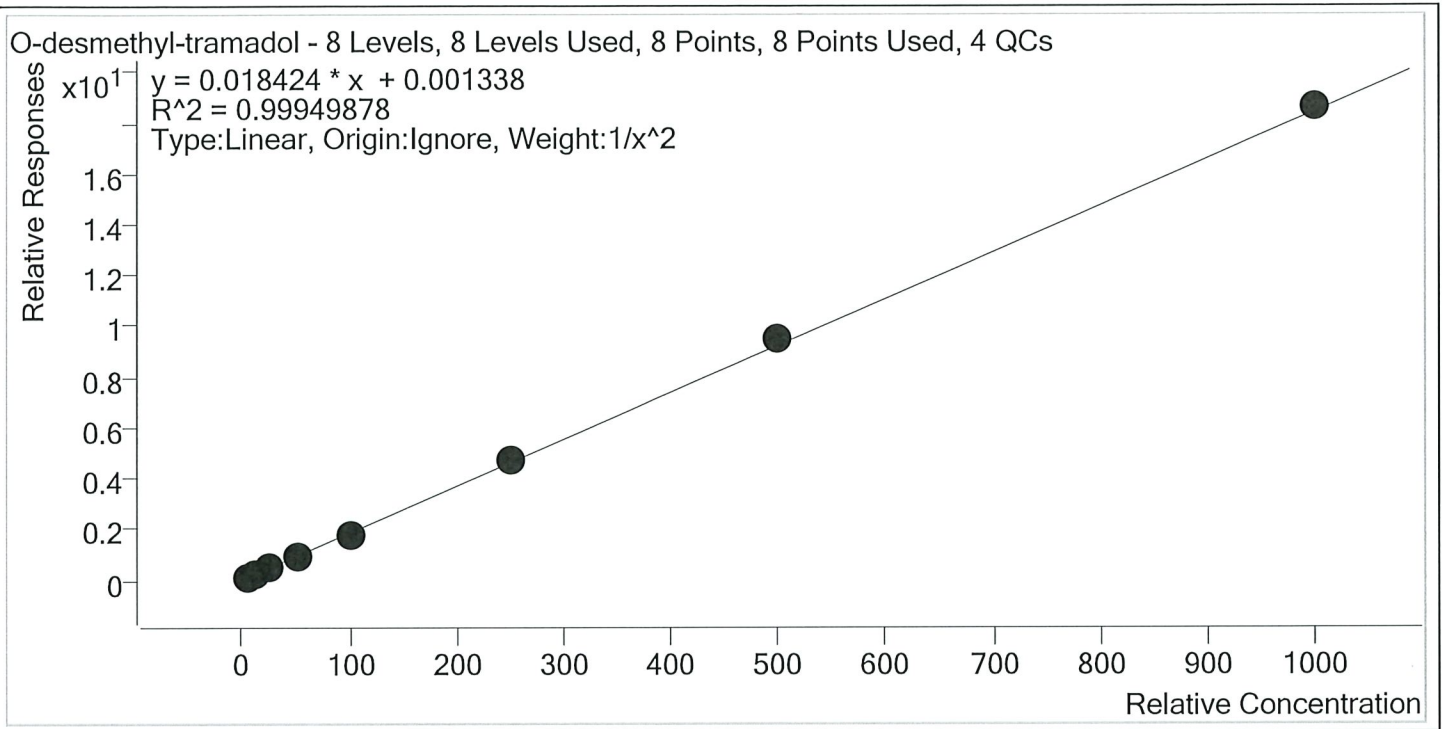
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	52.8	105.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	487.4	97.5
p1 Cal 8-1000ng	8	✓	1000.0	950.2	95.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
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	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.5	98.9
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	516.0	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1010.4	101.0

TS



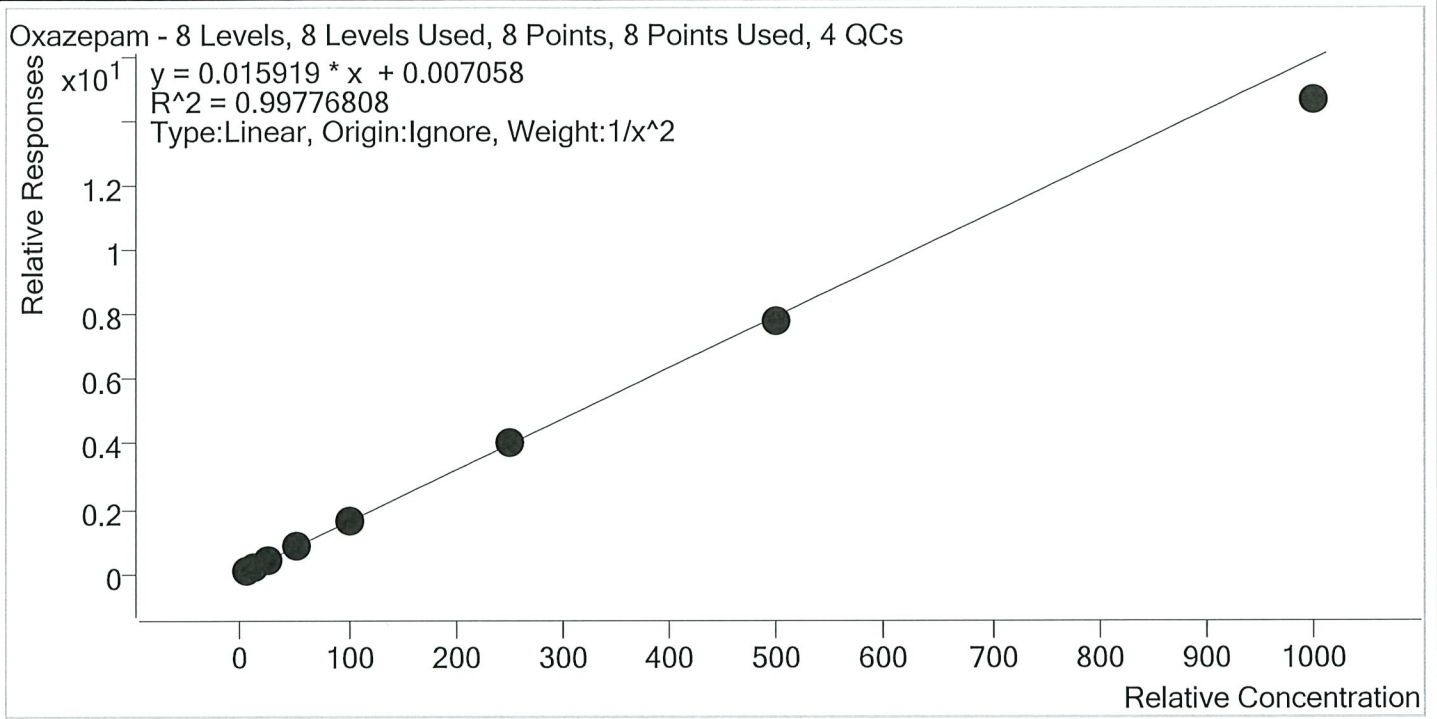
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin

Last Cal. Update 5/5/2020 10:20 AM

Analyst Name ISP\Datastor

Analyte Oxazepam **Internal Standard** Oxazepam-D5



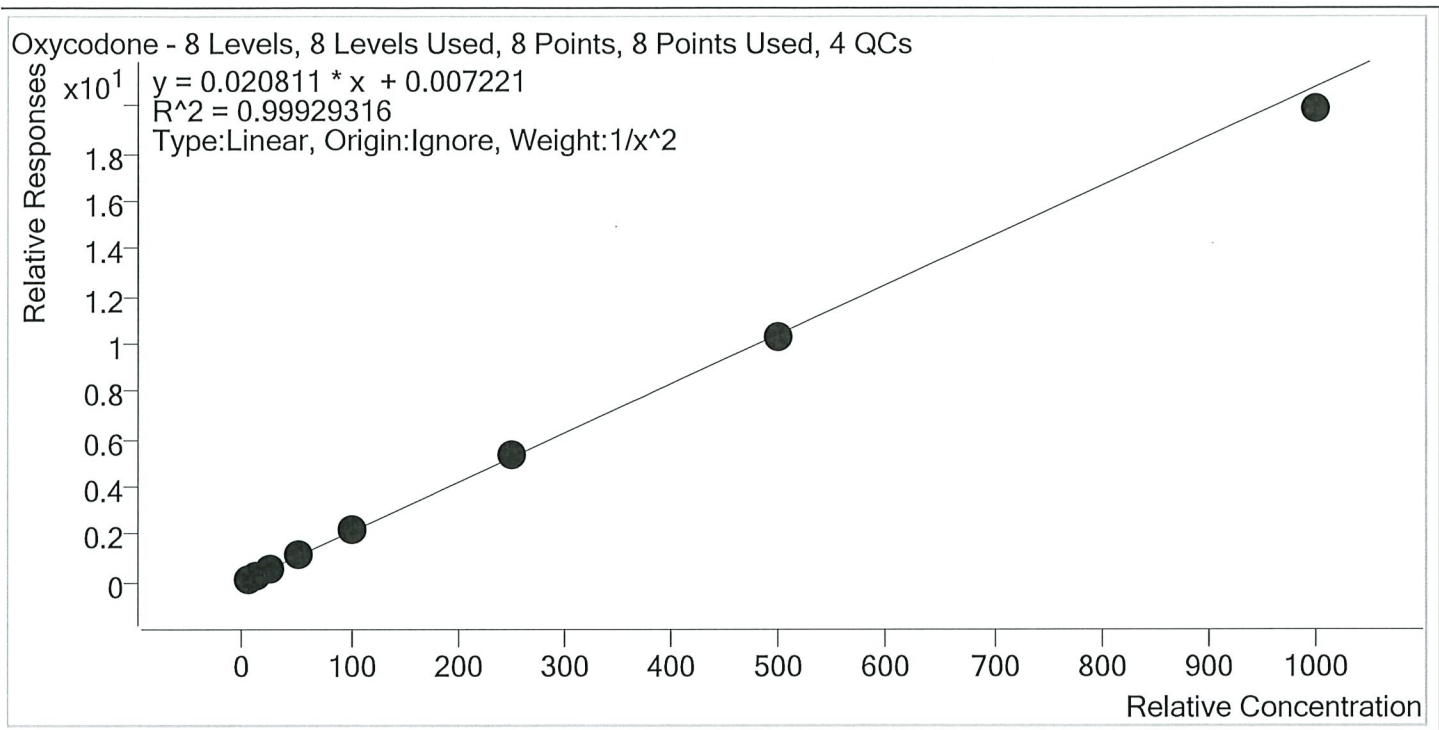
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	488.0	97.6
p1 Cal 8-1000ng	8	✓	1000.0	920.1	92.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	492.2	98.4
p1 Cal 8-1000ng	8	✓	1000.0	955.2	95.5

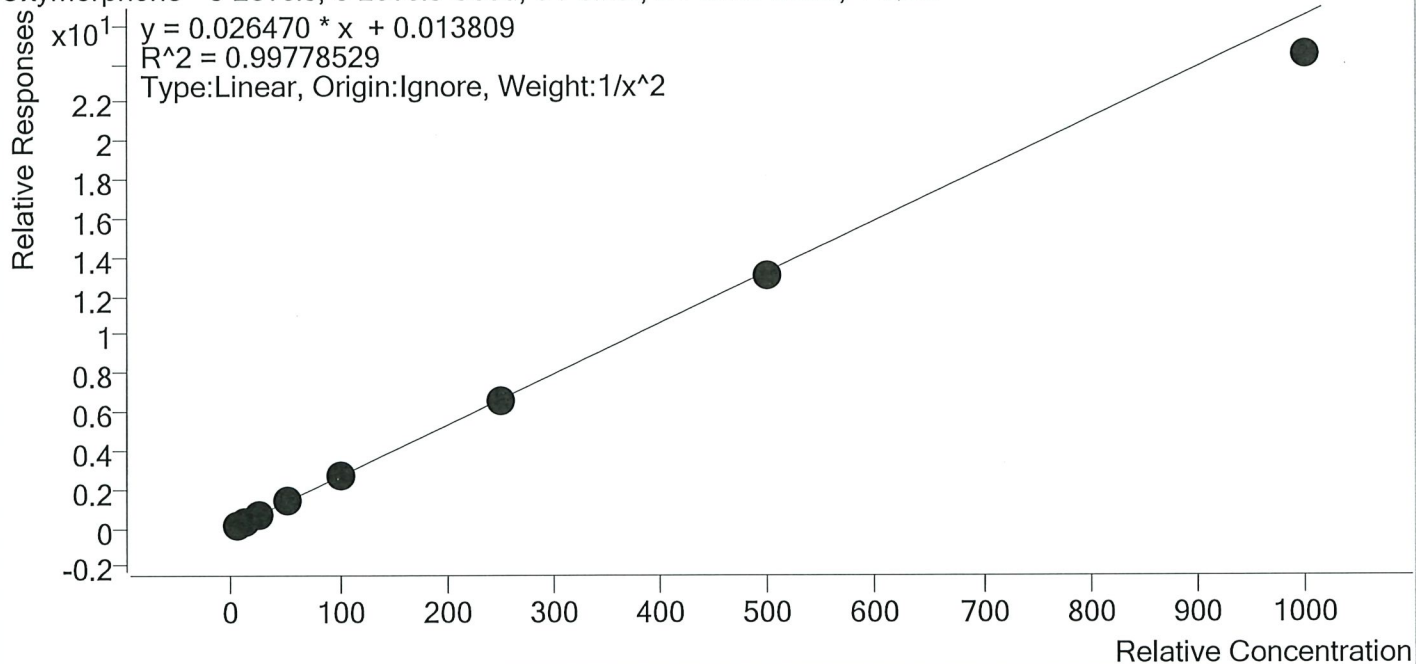
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\lst 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
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	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	490.3	98.1
p1 Cal 8-1000ng	8	✓	1000.0	923.4	92.3

15



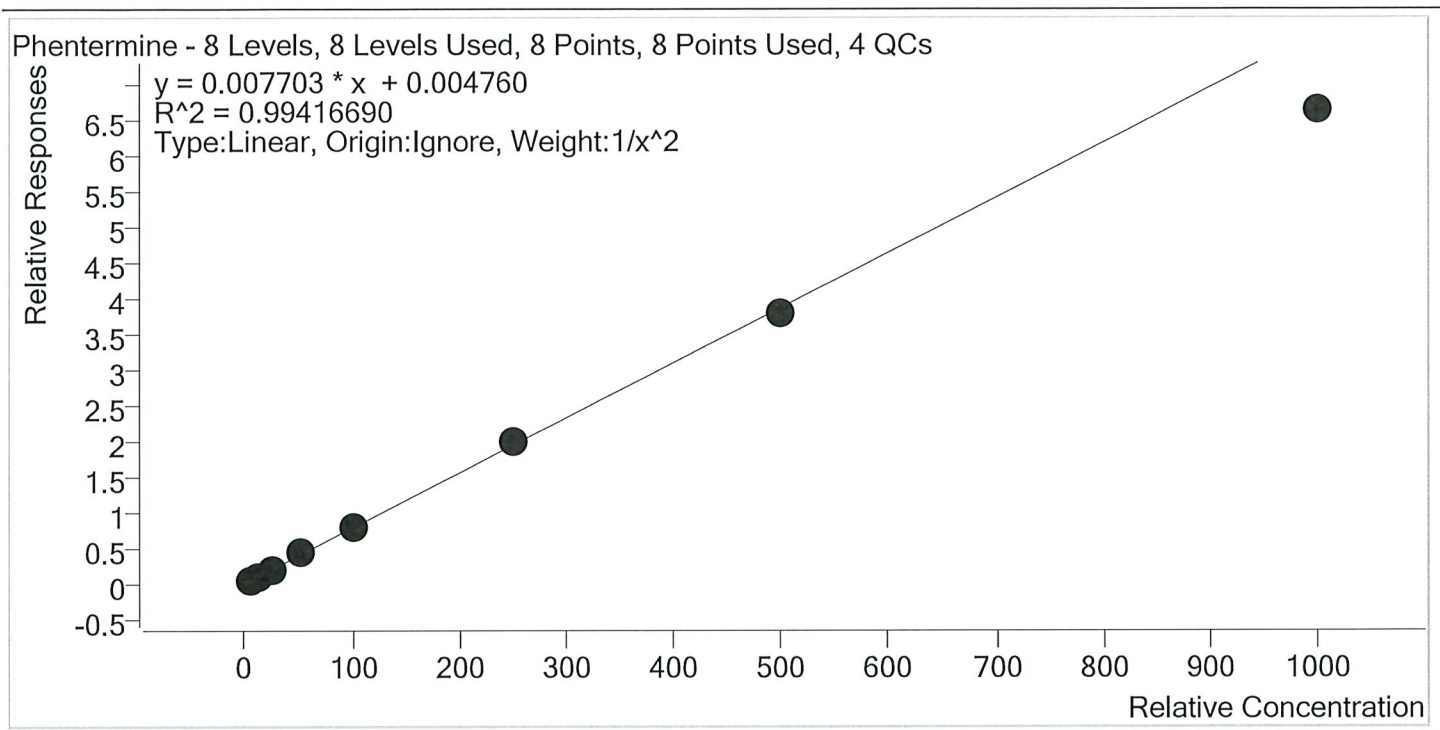
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin

Last Cal. Update 5/5/2020 10:20 AM

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	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	488.7	97.7
p1 Cal 8-1000ng	8	✓	1000.0	858.9	85.9

TS



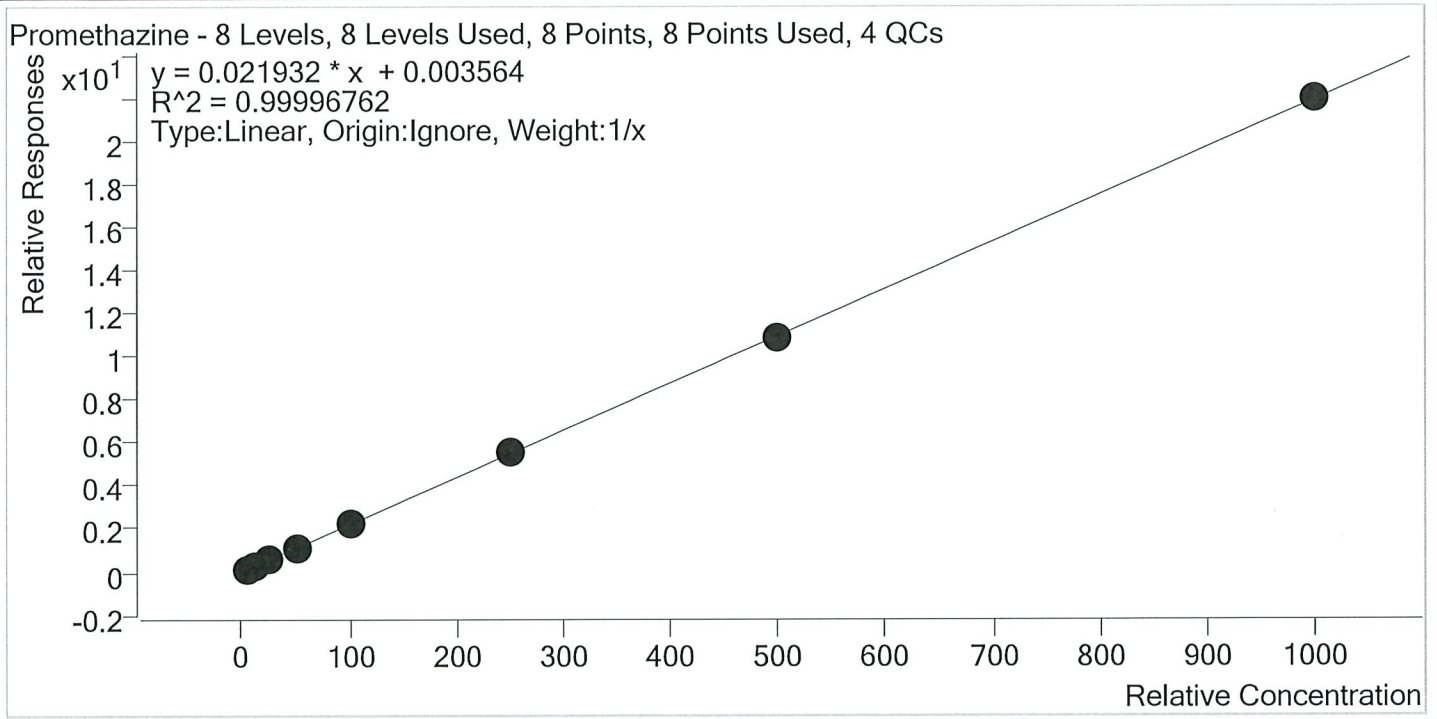
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin

Last Cal. Update 5/5/2020 10:20 AM

Analyst Name ISP\Datastor

Analyte Promethazine **Internal Standard** Promethazine-D3



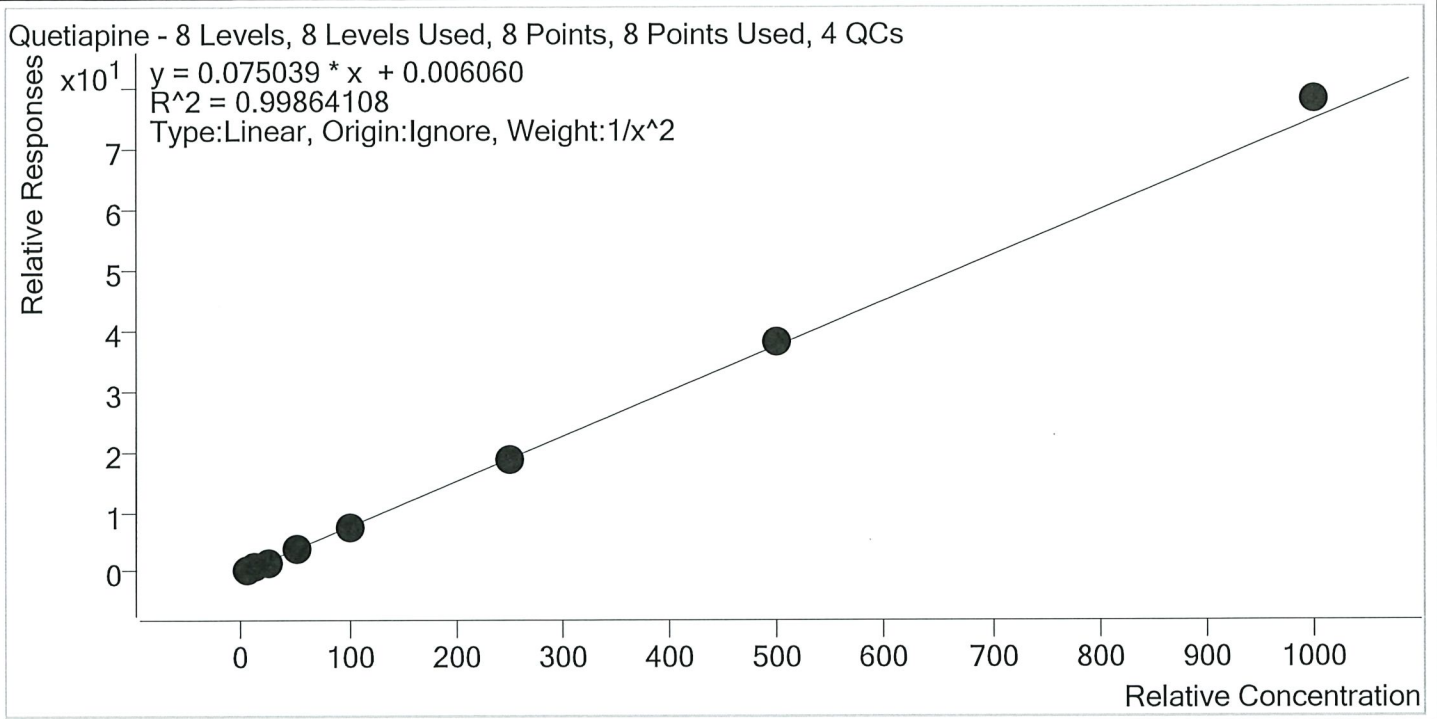
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	496.2	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1002.6	100.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8



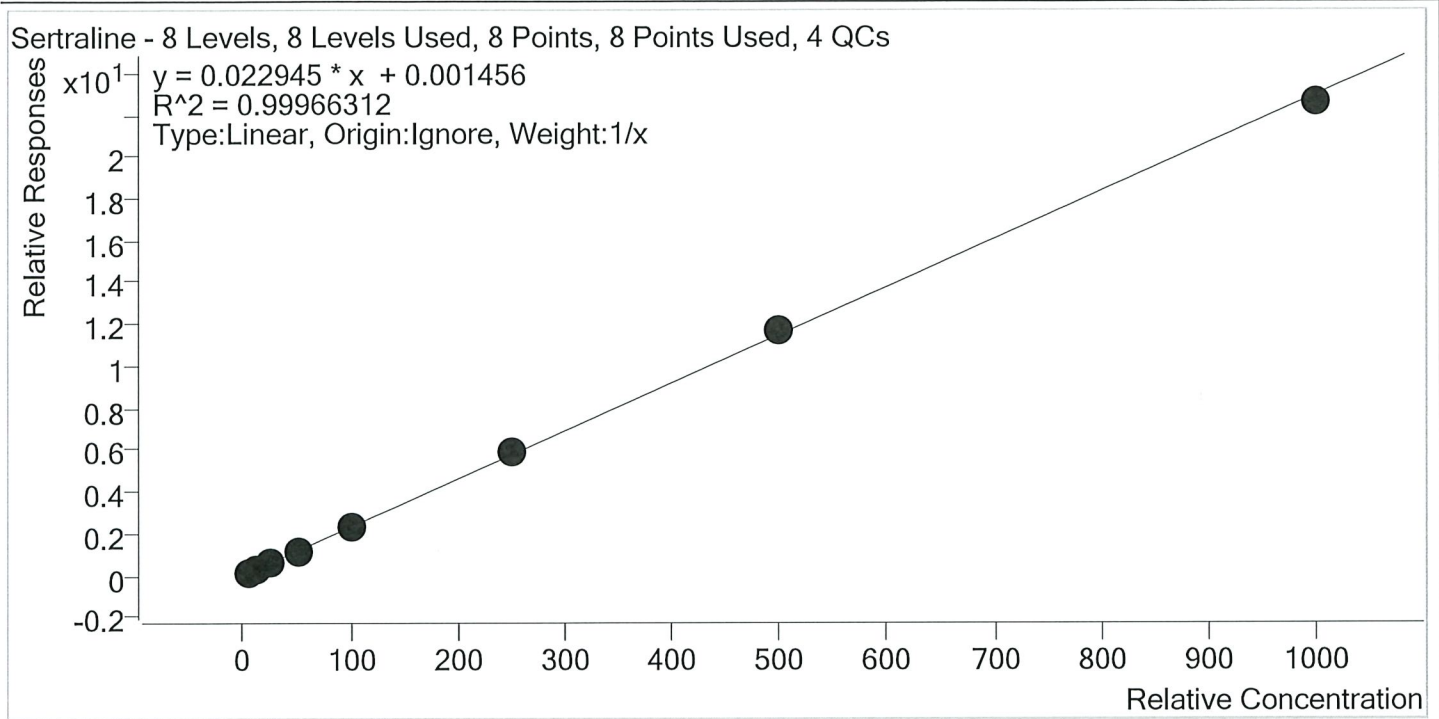
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.5
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	510.3	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1044.5	104.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	254.1	101.7
p1 Cal 7-500ng	7	✓	500.0	511.7	102.3
p1 Cal 8-1000ng	8	✓	1000.0	984.4	98.4

B



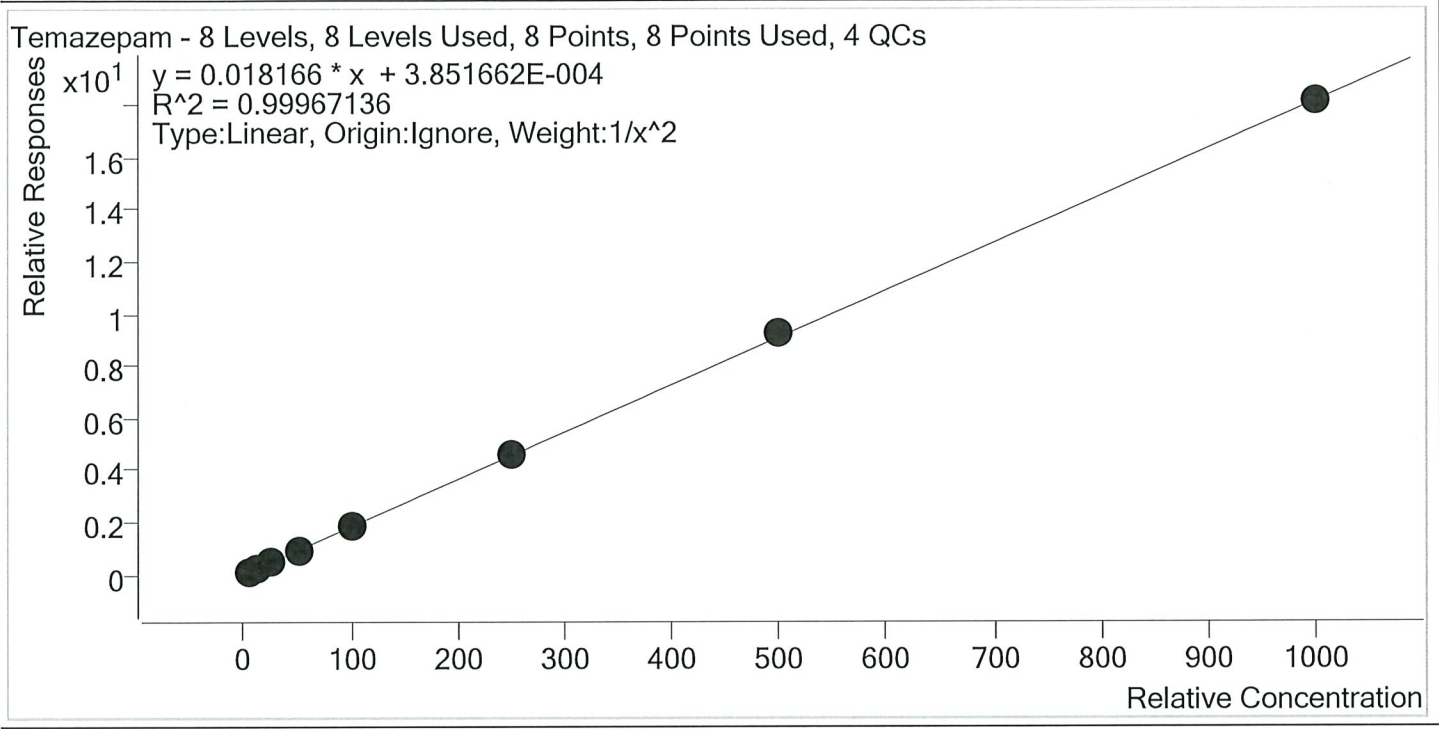
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin

Last Cal. Update 5/5/2020 10:20 AM

Analyst Name ISP\Datastor

Analyte Temazepam **Internal Standard** Temazepam-D5



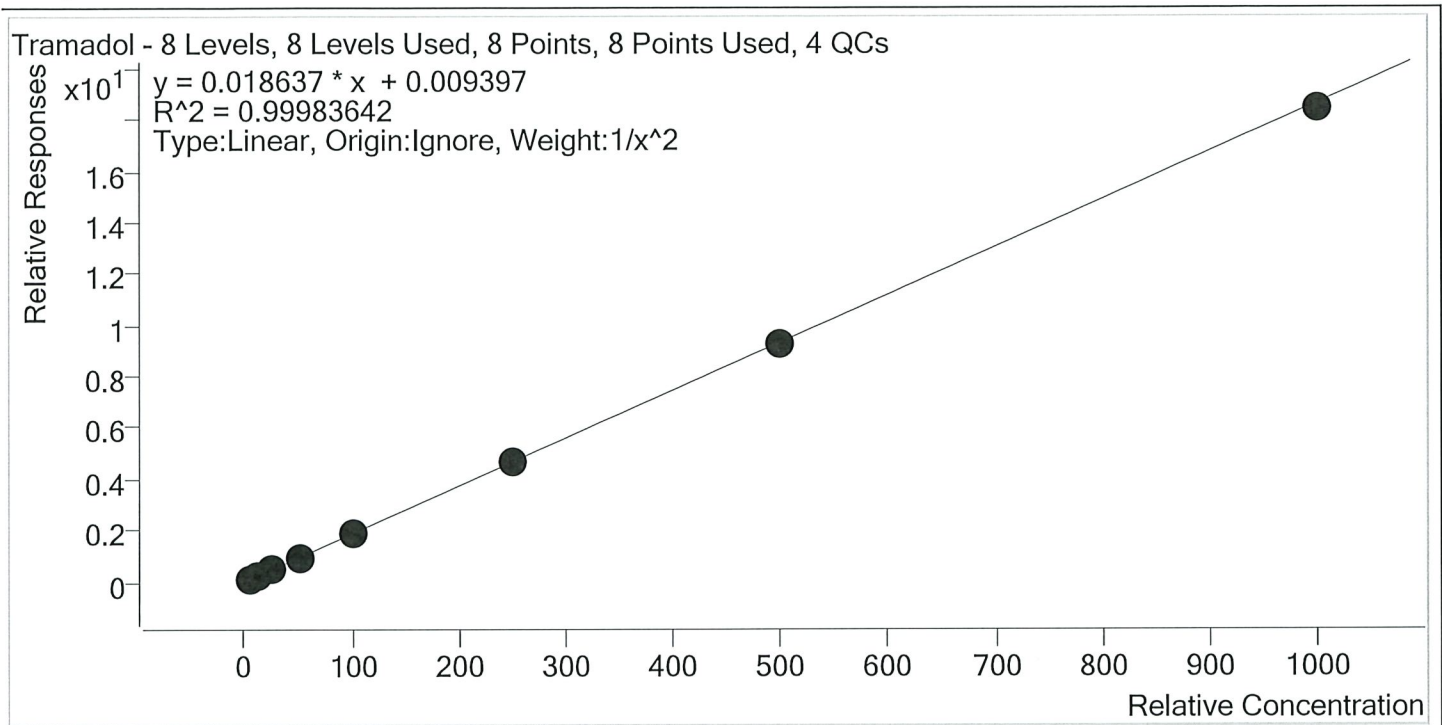
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	506.3	101.3
p1 Cal 8-1000ng	8	✓	1000.0	999.6	100.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
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	100.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	497.9	99.6
p1 Cal 8-1000ng	8	✓	1000.0	988.5	98.8

TS



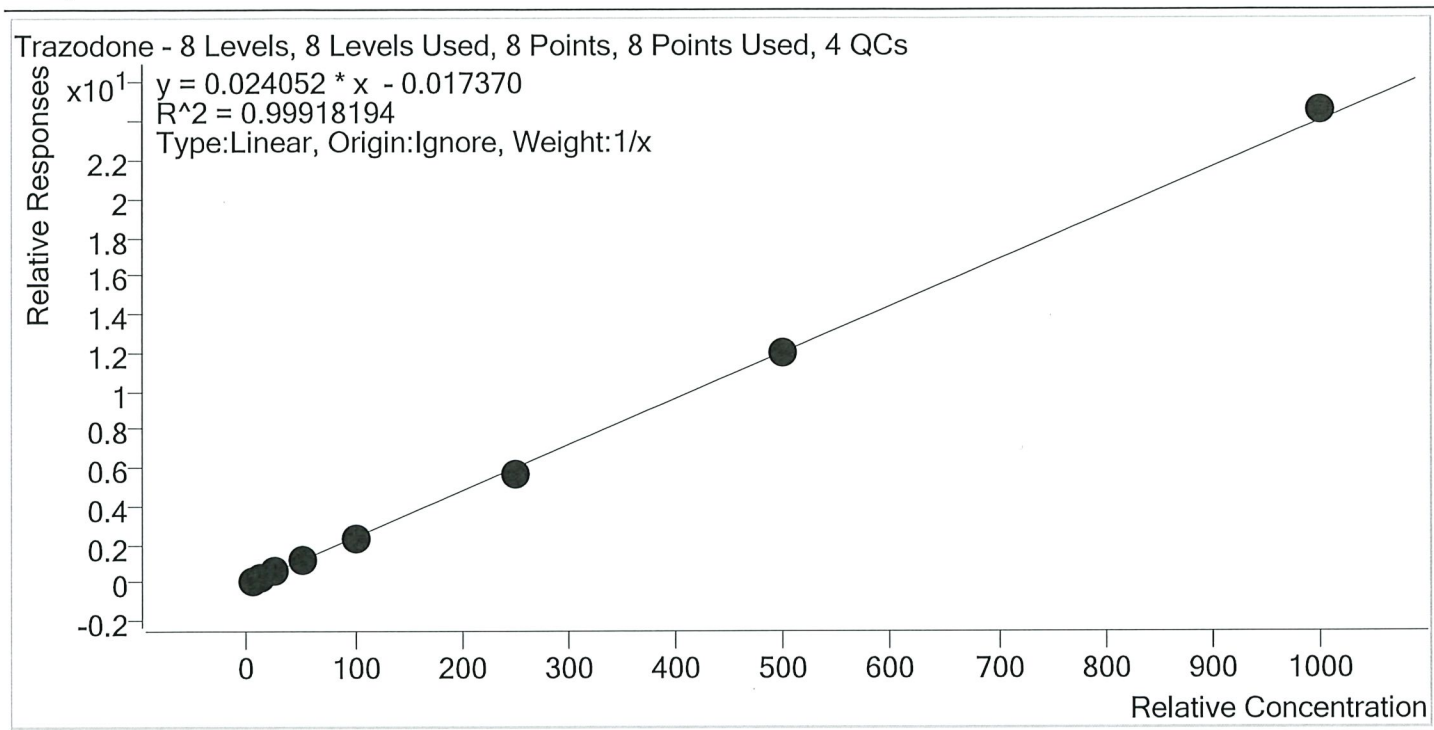
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin

Last Cal. Update 5/5/2020 10:20 AM

Analyst Name ISP\Datastor

Analyte Trazodone **Internal Standard** Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	112.1
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.6
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	238.4	95.4
p1 Cal 7-500ng	7	✓	500.0	495.4	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1022.2	102.2

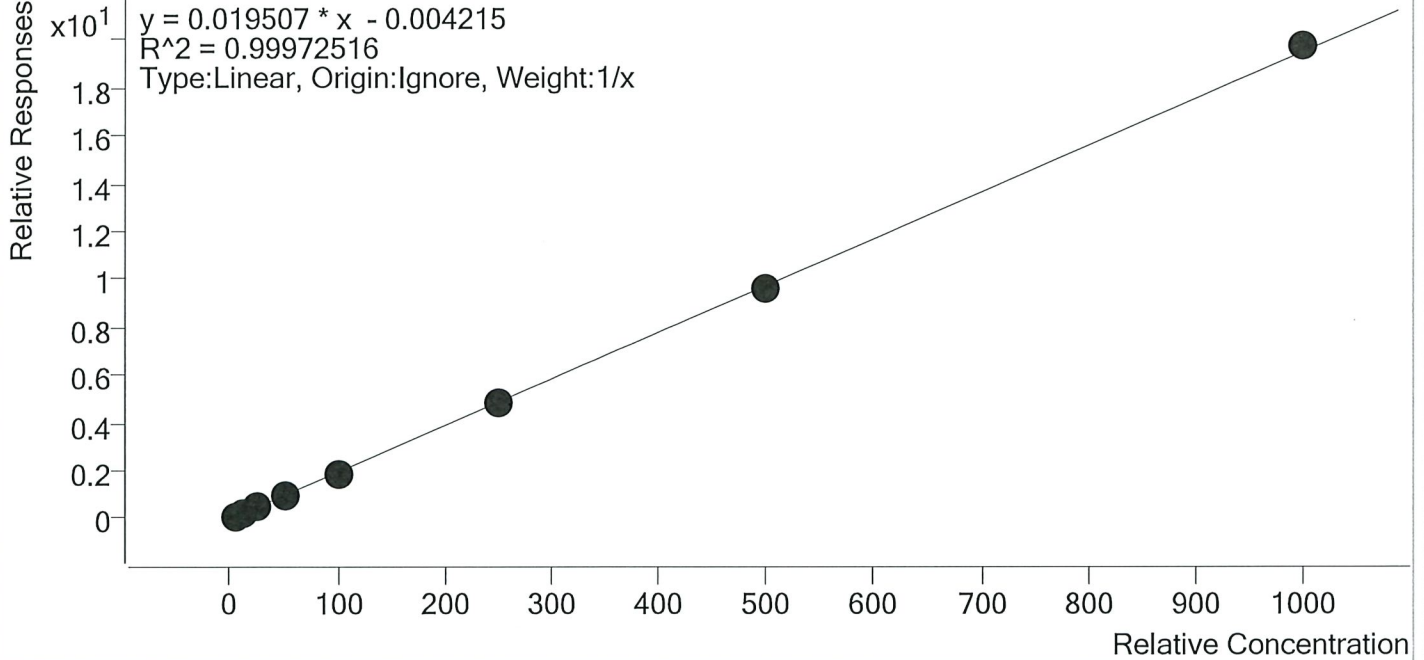
15



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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



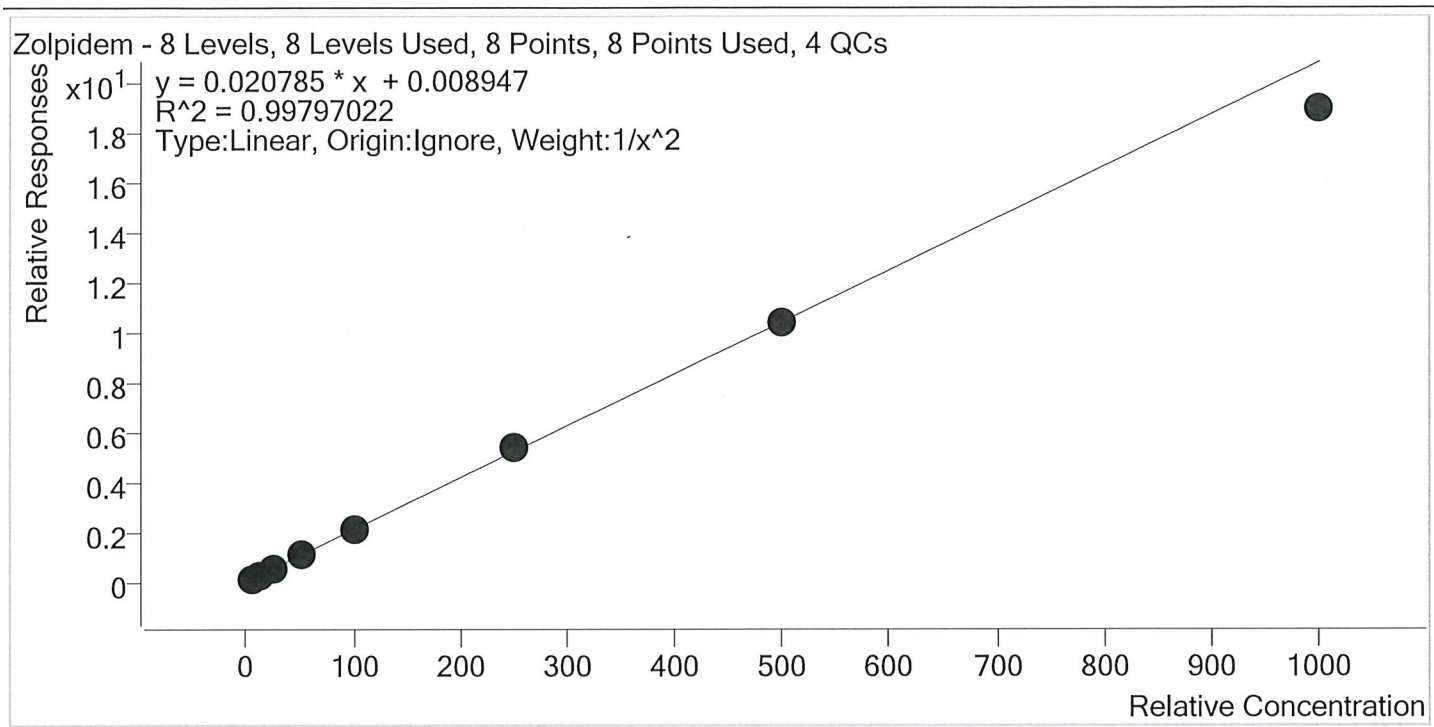
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	489.9	98.0
p1 Cal 8-1000ng	8	✓	1000.0	1012.5	101.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 5/5/2020 10:20 AM
Analyst Name ISP\Datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	256.7	102.7
p1 Cal 7-500ng	7	✓	500.0	497.5	99.5
p1 Cal 8-1000ng	8	✓	1000.0	910.5	91.1

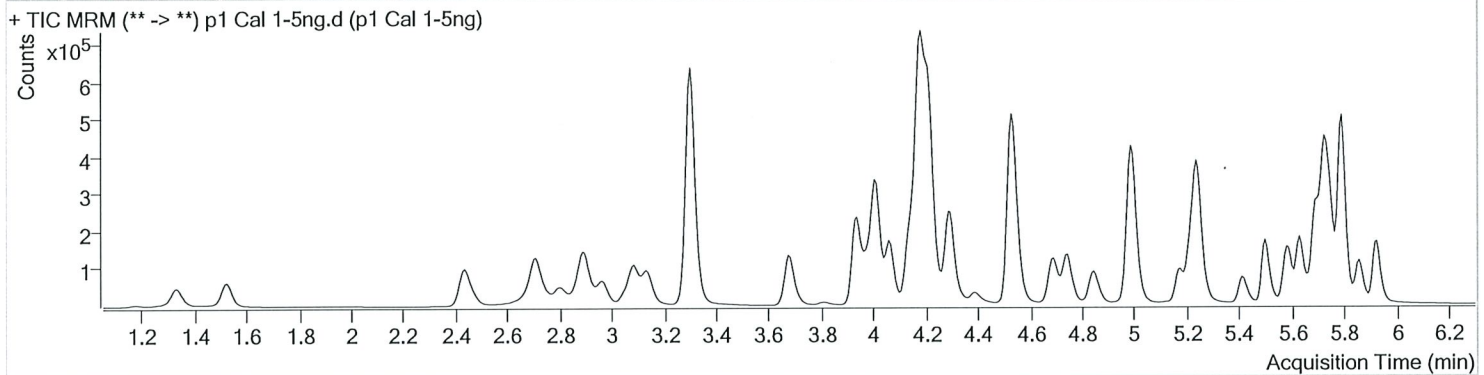
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-H12	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 1:56:21 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.056	1170	5164.79	71.2	116.38	54286	0.4925 ng/ml
7-aminoclonazepam	3.996	30548	663.04	84.5	5299.60	246949	4.9694 ng/ml
a-hydroxyalprazolam	5.674	11866	160.87	61.1	225.24	53679	4.9299 ng/ml
alpha-PVP	4.297	58490	812.39	51.8	778.57	507044	5.3725 ng/ml
Alprazolam	5.750	44610	226.57	105.4	627.50	237359	5.5439 ng/ml
Amphetamine	2.967	84627	1423.85	52.7	996.40	183401	4.7885 ng/ml
Benzoylcegonine	3.833	2323	538.66	7.8	23.71	17613	5.0210 ng/ml
Buprenorphine	5.429	871	9.77	15.1	∞	63289	0.4744 ng/ml
Bupropion	4.706	41746	987.65	57.2	255.57	281248	5.0349 ng/ml
Carisoprodol	5.699	37319	133281.75	55.7	165.35	355203	4.9117 ng/ml
Citalopram	5.176	23617	1511.05	40.1	9153.60	201667	5.0232 ng/ml
Clonazepam	5.580	52311	1410.96	33.9	2226.72	123156	4.8856 ng/ml
Cocaine	4.211	65716	9401.45	46.4	572.69	979781	5.2821 ng/ml
Codeine	2.469	7783	1113.51	103.9	1383.69	70309	4.8500 ng/ml
Cyclobenzaprine	5.597	16404	36177.77	10.1	82.10	126317	5.0371 ng/ml
Dextromethorphan	5.219	13245	218.45	77.4	859.30	117325	5.0523 ng/ml
Dextrorphan	4.066	13199	1056.68	220.7	5140.11	341207	5.2333 ng/ml
Diazepam	5.928	32384	629.57	86.2	604.05	298804	4.9386 ng/ml
Dihydrocodeine	2.467	20722	622.17	64.2	326.10	216303	4.9015 ng/ml
Diphenhydramine	5.246	56142	395.65	32.4	788.41	752576	5.2269 ng/ml
Doxylamine	4.178	108480	8361.61	97.1	4298.91	804696	4.2188 ng/ml
EDDP	5.217	18333	282.25	43.4	2903.13	200055	5.0570 ng/ml
Fentanyl	4.992	1727	74.70	66.2	2688.56	179978	0.4960 ng/ml
Fluoxetine	5.689	16863	1260.57	8.6	∞	134156	5.0954 ng/ml
Hydrocodone	2.924	25067	86.67	37.9	235.00	307249	4.8621 ng/ml
Hydromorphone	1.533	19061	1101.01	79.6	482.83	143604	4.9028 ng/ml
Ketamine	3.945	61887	4308.42	37.4	238.08	532858	4.9302 ng/ml
Lamotrigine	4.181	5696	354.48	79.3	1359.58	532858	4.8343 ng/ml
Lorazepam	5.728	46932	∞	53.4	233.32	123156	4.3985 ng/ml
Meprobamate	4.868	21006	∞	26.5	3082.57	214079	4.9447 ng/ml
Methadone	5.635	33578	∞	52.0	670.81	302063	5.2977 ng/ml
Methamphetamine	3.148	41170	284.23	42.6	321.81	295169	4.8872 ng/ml
Metoprolol	4.280	9352	438.05	95.7	525.06	1297890	5.0568 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.388	45137	1733.32	48.1	483.57	507044	4.6369 ng/ml
Mitragynine	5.119	5074	334.42	38.1	2844.25	302063	4.9930 ng/ml
Morphine	1.180	2884	1849.27	25.2	230.08	6372	4.9772 ng/ml
Norbuprenorphine	4.937	130	26.11	67.4	60.80	7926	0.5515 ng/ml
Nordiazepam	5.868	30259	4241.99	56.0	817.12	187809	4.9548 ng/ml
Norfentanyl	4.033	8952	368.32	35.9	59.72	736741	0.5218 ng/ml
Norhydrocodone	2.992	2312	121.72	40.7	93.16	47415	5.3583 ng/ml
Noroxycodone	2.823	21899	497.92	50.4	1052.07	138905	4.9610 ng/ml
O-desmethyl-tramadol	3.307	141574	2420.98	6.1	324.88	1497045	5.0603 ng/ml
Oxazepam	5.731	53684	2947.55	72.5	∞	626662	4.9381 ng/ml
Oxycodone	2.733	49706	672.29	31.4	421.54	447791	4.9868 ng/ml
Oxymorphone	1.337	19862	363.22	47.1	403.74	137849	4.9217 ng/ml
Phentermine	3.711	15334	∞	2.7	27.42	359626	4.9174 ng/ml
Promethazine	5.501	38048	598.64	31.2	239.29	331492	5.0709 ng/ml
Quetiapine	5.416	26175	426.09	60.7	411.85	67544	5.0835 ng/ml
Sertraline	5.757	9186	464.12	90.4	276.19	79525	4.9706 ng/ml
Temazepam	5.798	87127	1105.11	28.7	429.91	940378	5.0792 ng/ml
Tramadol	4.193	133437	2432.28	3.4	142.71	1297890	5.0122 ng/ml
Trazodone	4.748	32756	3135.74	79.5	1074.03	279044	5.6027 ng/ml
Venlafaxine	4.994	83455	2203.41	35.4	135.32	842441	5.2944 ng/ml
Zolpidem	4.547	135361	60403.19	30.4	1515.12	1210883	4.9478 ng/ml

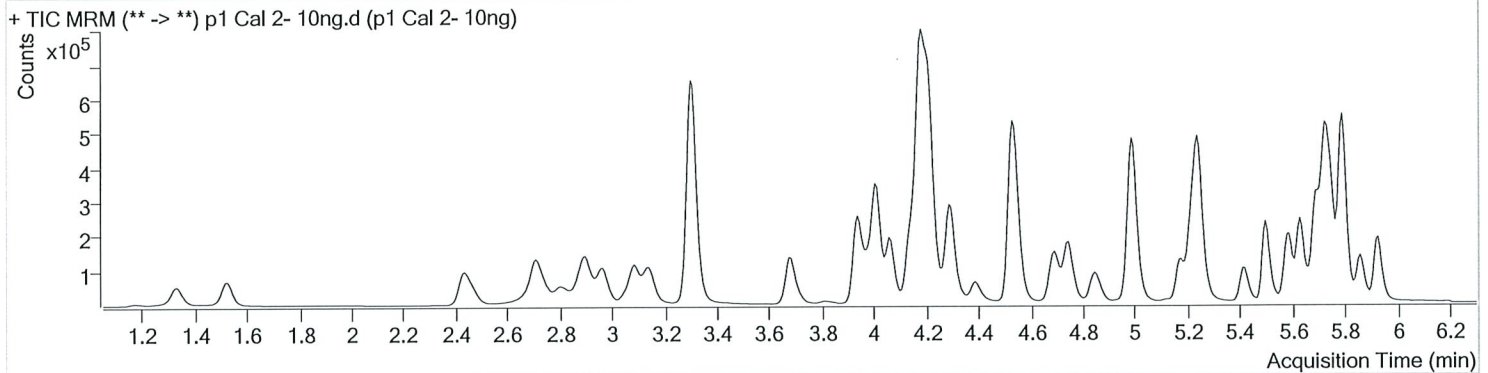
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 Cal 2- 10ng.d
Type	Cal	Sample	p1 Cal 2- 10ng
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-G12	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 2:07:05 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.062	2315	335.07	69.7	419.87	51076	1.0290 ng/ml
7-aminoclonazepam	3.996	57835	198.15	84.6	283207.15	237989	10.0137 ng/ml
a-hydroxyalprazolam	5.667	22233	517.25	61.8	353.94	50966	10.2083 ng/ml
alpha-PVP	4.297	115291	2171.37	50.9	603.44	497958	10.3133 ng/ml
Alprazolam	5.750	85418	414.00	103.7	460.06	230242	10.1412 ng/ml
Amphetamine	2.967	164081	2098.99	52.1	1750.46	185539	10.3058 ng/ml
Benzoylcegonine	3.833	4357	474.20	8.9	∞	16185	10.2256 ng/ml
Buprenorphine	5.429	2013	117.12	14.0	∞	74474	0.9812 ng/ml
Bupropion	4.699	85097	705.67	58.7	883.12	297439	9.8923 ng/ml
Carisoprodol	5.699	70613	477.82	52.6	274.94	336498	10.1759 ng/ml
Citalopram	5.176	53824	1151.98	41.3	∞	239014	9.9186 ng/ml
Clonazepam	5.580	98943	5856.79	32.9	424.55	117689	10.2124 ng/ml
Cocaine	4.211	124020	30144.39	46.5	5518.91	952499	10.0595 ng/ml
Codeine	2.469	14790	3791.08	101.7	397.67	67778	10.2985 ng/ml
Cyclobenzaprine	5.597	39381	98319.19	8.6	135.88	154875	9.8647 ng/ml
Dextromethorphan	5.219	29889	338.66	76.7	365.08	136651	9.9461 ng/ml
Dextrorphan	4.066	26037	363.44	215.0	1803.16	344116	10.0543 ng/ml
Diazepam	5.928	61897	∞	86.9	1117.58	286958	10.1527 ng/ml
Dihydrocodeine	2.467	38568	12346.15	65.2	694.06	209135	10.1217 ng/ml
Diphenhydramine	5.246	121731	39325.98	33.7	333.86	853274	10.0351 ng/ml
Doxylamine	4.172	204831	10928.67	97.8	∞	800053	9.5777 ng/ml
EDDP	5.217	51217	382.06	42.0	355.12	286411	9.8369 ng/ml
Fentanyl	4.992	4002	109.11	63.6	∞	217323	1.0034 ng/ml
Fluoxetine	5.689	41552	2954.34	8.3	166.79	172046	9.9129 ng/ml
Hydrocodone	2.924	47320	296.42	37.0	66.59	290724	10.3001 ng/ml
Hydromorphone	1.527	36725	1745.03	78.9	1200.91	133253	10.3487 ng/ml
Ketamine	3.945	116557	20196.13	38.0	1362.38	518469	10.0922 ng/ml
Lamotrigine	4.181	10571	790.23	77.9	∞	518469	10.3548 ng/ml
Lorazepam	5.722	91221	502.81	54.9	149.81	117689	10.5735 ng/ml
Meprobamate	4.868	38237	1121.40	26.8	696.60	204554	9.9686 ng/ml
Methadone	5.628	76453	334.21	53.6	1201.03	365962	10.0313 ng/ml
Methamphetamine	3.148	81030	505.63	42.9	496.94	312385	10.1335 ng/ml
Metoprolol	4.280	17014	1084.07	99.3	811.25	1241697	9.7786 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.388	97899	2084.50	48.9	922.16	497958	11.0385 ng/ml
Mitragynine	5.119	11559	36241.77	37.9	28552.48	365962	9.7413 ng/ml
Morphine	1.180	5407	1211.13	23.7	79.87	6046	9.9543 ng/ml
Norbuprenorphine	4.930	270	242.84	68.3	19.80	10190	1.0642 ng/ml
Nordiazepam	5.868	57133	2958.18	57.2	786.22	184171	10.0792 ng/ml
Norfentanyl	4.033	16268	1758.26	39.0	108.23	719224	0.9499 ng/ml
Norhydrocodone	2.992	4126	105.52	44.4	76.34	47609	9.1154 ng/ml
Noroxycodone	2.830	41452	875.97	47.9	373.00	133747	9.9975 ng/ml
O-desmethyl-tramadol	3.307	264622	8115.42	6.1	371.98	1444510	9.8706 ng/ml
Oxazepam	5.731	102015	1212.40	74.0	498.82	609046	10.0786 ng/ml
Oxycodone	2.733	94315	1063.76	31.1	484.82	440628	9.9383 ng/ml
Oxymorphone	1.330	37543	632.60	47.2	483.96	133594	10.0949 ng/ml
Phentermine	3.711	29722	545.24	2.7	34.34	364890	9.9567 ng/ml
Promethazine	5.501	89823	162613.26	31.5	865.36	404288	9.9679 ng/ml
Quetiapine	5.416	57253	4518.57	60.1	657.79	76281	9.9213 ng/ml
Sertraline	5.751	22147	189.44	89.8	84016.17	96766	9.9113 ng/ml
Temazepam	5.798	164539	534.31	28.7	151.47	926738	9.7526 ng/ml
Tramadol	4.193	242824	1362.54	3.5	115.38	1241697	9.9886 ng/ml
Trazodone	4.748	75966	8790.71	77.6	43082.47	326994	10.3811 ng/ml
Venlafaxine	4.994	160257	4255.76	35.9	755.07	842035	9.9727 ng/ml
Zolpidem	4.547	257468	∞	30.9	∞	1183350	10.0375 ng/ml

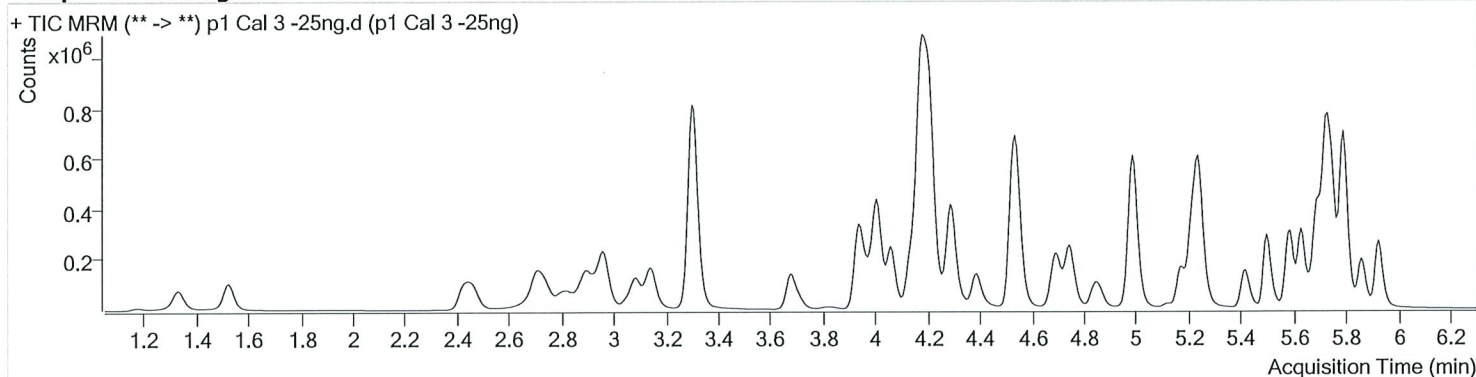
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-F12	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 2:17:42 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.062	6007	760.12	66.0	472.50	54110	2.5116 ng/ml
7-aminoclonazepam	3.996	146980	50505.10	83.3	636.88	243877	25.2201 ng/ml
a-hydroxyalprazolam	5.667	54091	338.32	63.1	254.82	52178	24.9369 ng/ml
alpha-PVP	4.297	286539	1587.17	51.1	2245.71	512769	24.2323 ng/ml
Alprazolam	5.750	206373	1406.77	106.3	902.74	228691	23.4880 ng/ml
Amphetamine	2.961	411557	16329.65	51.8	10611.66	191228	26.8457 ng/ml
Benzoylcegonine	3.833	10512	1587.63	8.1	∞	16885	23.6224 ng/ml
Buprenorphine	5.429	4804	134.25	16.4	∞	70838	2.5379 ng/ml
Bupropion	4.699	216170	19561.86	59.0	1167.00	301522	25.0938 ng/ml
Carisoprodol	5.699	177275	∞	54.9	928.80	343575	25.5556 ng/ml
Citalopram	5.176	127003	2925.75	41.2	450.84	230097	24.7185 ng/ml
Clonazepam	5.580	247269	13781.24	34.1	643.45	121914	25.4194 ng/ml
Cocaine	4.204	322576	∞	44.6	14124.48	987871	24.9164 ng/ml
Codeine	2.462	36827	646.06	103.5	486.46	69872	25.9491 ng/ml
Cyclobenzaprine	5.590	91853	454.72	9.0	259.48	142927	24.9348 ng/ml
Dextromethorphan	5.219	70139	2998.34	78.0	2862.94	130068	24.7676 ng/ml
Dextropropion	4.059	64850	1724.33	215.5	8700.26	349546	24.3766 ng/ml
Diazepam	5.928	152554	1747.14	89.0	2397.70	289382	25.2849 ng/ml
Dihydrocodeine	2.461	97273	1198.91	65.9	432.07	215333	25.8688 ng/ml
Diphenhydramine	5.246	288251	2351.77	33.6	417.36	835975	24.3155 ng/ml
Doxylamine	4.172	493329	8442.61	97.2	14400.02	795543	25.6744 ng/ml
EDDP	5.217	147287	782.58	42.4	1376.37	329289	24.5557 ng/ml
Fentanyl	4.992	9504	368.89	65.0	9362.86	209729	2.5517 ng/ml
Fluoxetine	5.689	95866	397.16	8.8	13296.79	158282	25.0590 ng/ml
Hydrocodone	2.924	120594	∞	38.4	184.29	304793	25.9007 ng/ml
Hydromorphone	1.527	91389	3587.16	82.5	2380.39	136925	25.2840 ng/ml
Ketamine	3.945	289612	17558.09	39.3	∞	528370	25.4501 ng/ml
Lamotrigine	4.181	25866	1560.57	80.6	∞	528370	26.6112 ng/ml
Lorazepam	5.722	214599	764.80	55.6	2653.17	121914	26.0124 ng/ml
Meprobamate	4.868	96949	6277.01	25.9	1178.49	208844	25.6545 ng/ml
Methadone	5.635	173188	13466.35	54.5	9086.39	350635	23.8335 ng/ml
Methamphetamine	3.148	210716	1912.75	42.2	1614.66	338150	26.0480 ng/ml
Metoprolol	4.273	44136	2822.63	96.7	2177.64	1294225	24.6041 ng/ml

15



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.388	240247	4759.17	48.9	23073.24	512769	27.2194 ng/ml
Mitragynine	5.119	28265	422.75	39.6	85798.14	350635	25.4834 ng/ml
Morphine	1.180	13811	174.26	22.9	164.33	6055	25.5717 ng/ml
Norbuprenorphine	4.937	504	1172.90	89.8	43.49	9373	2.4482 ng/ml
Nordiazepam	5.868	140975	∞	57.1	4164.08	189028	25.0491 ng/ml
Norfentanyl	4.033	43859	4749.44	38.0	204.57	771447	2.3501 ng/ml
Norhydrocodone	2.992	10455	160.49	44.9	170.35	46360	22.8764 ng/ml
Noroxycodone	2.823	105388	4278.73	48.9	693.78	136356	25.3103 ng/ml
O-desmethyl-tramadol	3.307	664170	2492.35	5.9	1128.23	1466791	24.5045 ng/ml
Oxazepam	5.731	248485	5051.75	72.9	∞	609224	25.1784 ng/ml
Oxycodone	2.733	238305	1945.98	31.3	2379.09	447216	25.2578 ng/ml
Oxymorphone	1.330	94358	740.41	46.7	351.15	136984	25.5007 ng/ml
Phentermine	3.711	77078	1136.89	2.6	94.28	373295	26.1876 ng/ml
Promethazine	5.501	209570	1086.86	30.6	544.34	380856	24.9272 ng/ml
Quetiapine	5.416	136124	∞	62.6	366962.42	77309	23.3840 ng/ml
Sertraline	5.751	50952	9811.09	91.5	3461.78	89084	24.8630 ng/ml
Temazepam	5.798	415457	1359.23	29.7	805.51	936396	24.4028 ng/ml
Tramadol	4.193	604044	14846.55	3.5	288.92	1294225	24.5381 ng/ml
Trazodone	4.748	181739	2573.53	79.4	62903.43	329598	23.6474 ng/ml
Venlafaxine	4.987	406128	1552.58	35.6	1295.23	852645	24.6339 ng/ml
Zolpidem	4.541	656320	338197.87	30.5	31414.24	1214457	25.5703 ng/ml

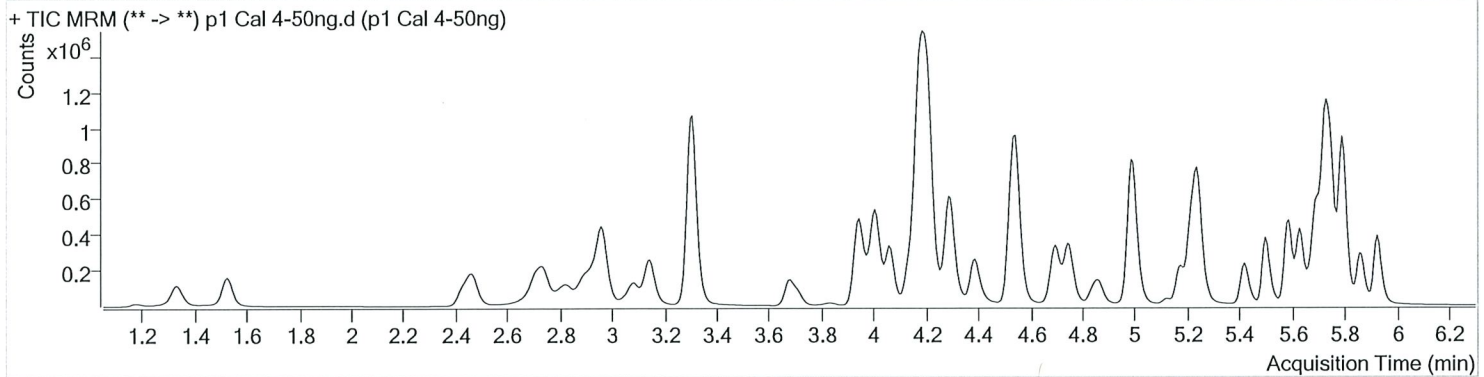
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk1st 4205 4206 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-E12	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 2:28:15 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.056	12012	2666.83	70.1	∞	53744	5.0499 ng/ml
7-aminoclonazepam	3.996	295570	34294.24	83.6	15903.13	240186	51.7674 ng/ml
a-hydroxyalprazolam	5.667	108990	503.63	61.6	1428.26	51079	51.8492 ng/ml
alpha-PVP	4.297	575868	2263.95	51.2	2841.67	503564	49.1024 ng/ml
Alprazolam	5.750	408889	1135.41	104.4	654.35	214929	48.6043 ng/ml
Amphetamine	2.961	824400	39438.97	51.6	4678.71	191162	55.0301 ng/ml
Benzoyllecgonine	3.833	21060	3267.85	8.5	813.28	16502	48.4033 ng/ml
Buprenorphine	5.429	8334	150.02	19.8	79.24	65218	4.8265 ng/ml
Bupropion	4.699	418493	1808.86	58.9	1312.45	291530	50.4482 ng/ml
Carisoprodol	5.699	343066	1067285.14	55.1	652.31	327801	52.2128 ng/ml
Citalopram	5.176	235013	920.95	41.2	540.56	209627	50.4968 ng/ml
Clonazepam	5.580	489609	1628.98	33.6	11956.65	115413	53.7721 ng/ml
Cocaine	4.211	628766	78074.36	46.1	24343.96	966728	49.4244 ng/ml
Codeine	2.469	73969	∞	102.8	7053.69	69612	53.0866 ng/ml
Cyclobenzaprine	5.597	165743	296.05	8.6	233.32	128048	50.2234 ng/ml
Dextromethorphan	5.219	128080	262503.86	79.0	24081.74	116820	50.5305 ng/ml
Dextrorphan	4.066	132779	3782.64	210.0	8752.08	340430	51.0368 ng/ml
Diazepam	5.928	294348	7872.05	87.7	1638.46	275952	51.4948 ng/ml
Dihydrocodeine	2.461	196292	1491.60	66.0	595.37	214252	53.2284 ng/ml
Diphenhydramine	5.246	548602	830.92	32.7	6380.54	767537	50.4502 ng/ml
Doxylamine	4.165	982564	26134.35	92.4	21486.97	769984	54.6750 ng/ml
EDDP	5.217	290001	1710.66	43.0	998.32	317676	50.0821 ng/ml
Fentanyl	4.992	16438	701.31	65.6	19786.82	180961	5.1715 ng/ml
Fluoxetine	5.689	171774	1874.73	8.9	6911.67	141060	50.5168 ng/ml
Hydrocodone	2.924	240037	1347.81	38.8	986.23	311023	51.0946 ng/ml
Hydromorphone	1.527	181843	∞	77.9	3584.10	135280	51.0801 ng/ml
Ketamine	3.945	581707	1739.41	38.5	2524.83	521423	52.4069 ng/ml
Lamotrigine	4.181	48705	6350.44	84.6	99227.27	521423	51.9098 ng/ml
Lorazepam	5.728	403593	1049.42	55.6	7439.81	115413	53.2297 ng/ml
Meprobamate	4.868	193499	605.06	26.7	1137.96	203392	53.2117 ng/ml
Methadone	5.628	330245	1516.13	53.5	5425.81	320505	49.8123 ng/ml
Methamphetamine	3.148	413207	7656.69	42.6	1337.75	333614	52.9740 ng/ml
Metoprolol	4.273	89200	2887.35	97.3	5787.35	1263016	51.1473 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.388	453551	2473.82	48.1	1413.66	503564	52.9344 ng/ml
Mitragynine	5.119	53809	6377.12	38.1	5617.58	320505	53.5074 ng/ml
Morphine	1.180	27476	422.31	22.9	2292.52	6062	50.9427 ng/ml
Norbuprenorphine	4.943	976	204.38	86.9	4168.52	8815	5.3347 ng/ml
Nordiazepam	5.868	274395	1255.34	57.9	1348.73	179379	51.9903 ng/ml
Norfentanyl	4.033	86305	4574.41	38.4	468.80	751435	4.7223 ng/ml
Norhydrocodone	2.992	20788	225.32	42.2	126.38	45545	45.7646 ng/ml
Noroxycodone	2.823	214058	1864.04	48.3	911.04	133566	52.7551 ng/ml
O-desmethyl-tramadol	3.307	1332056	4876.32	6.1	2651.05	1459951	49.4502 ng/ml
Oxazepam	5.731	471589	6015.69	72.2	19120.63	555338	52.9013 ng/ml
Oxycodone	2.733	481847	5143.73	31.9	3244.66	446317	51.5295 ng/ml
Oxymorphone	1.330	189745	3837.13	46.9	855.88	133494	53.1755 ng/ml
Phentermine	3.711	156817	∞	2.7	158.57	373566	53.8789 ng/ml
Promethazine	5.501	375256	1060.57	31.3	6327.27	346050	49.2818 ng/ml
Quetiapine	5.416	260729	3955.51	60.0	367610.94	69059	50.2319 ng/ml
Sertraline	5.757	90687	710.12	89.6	997.00	79628	49.5711 ng/ml
Temazepam	5.798	826149	2621.77	28.7	1433.68	903054	50.3401 ng/ml
Tramadol	4.193	1203149	8568.65	3.4	510.55	1263016	50.6082 ng/ml
Trazodone	4.748	331895	79044.65	81.0	176624.02	288900	48.4863 ng/ml
Venlafaxine	4.994	817885	26025.92	36.0	878.63	848788	49.6137 ng/ml
Zolpidem	4.541	1280568	442986.57	30.7	4874.89	1188924	51.3899 ng/ml

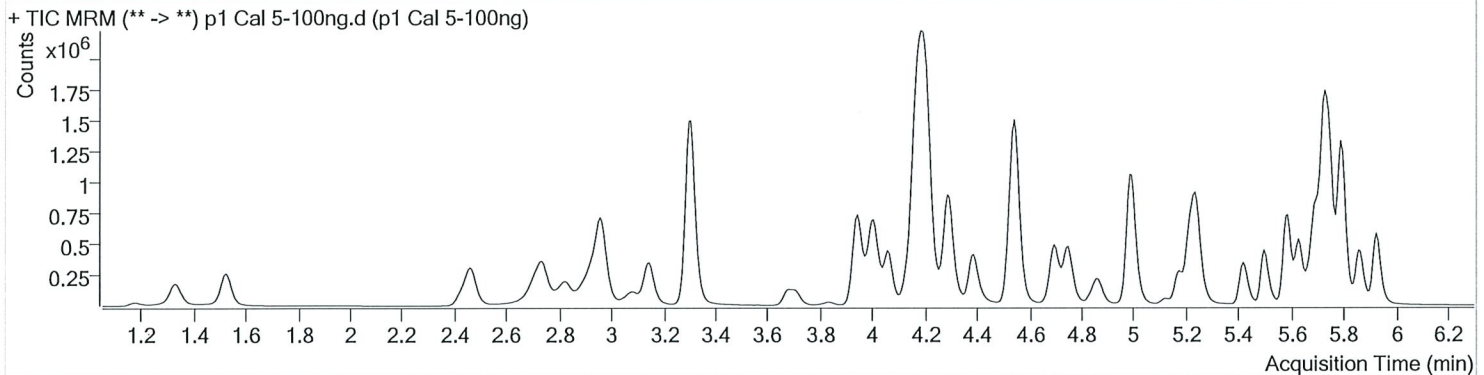
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-D12	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 2:38:49 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.056	22407	580.95	70.6	1898.44	51842	9.7600 ng/ml
7-aminoclonazepam	3.996	543388	29279.79	84.8	23243.73	228301	100.3693 ng/ml
a-hydroxyalprazolam	5.667	199849	488.04	62.9	930.30	48319	100.9661 ng/ml
alpha-PVP	4.297	1004245	2356.65	50.5	2270.91	445375	96.3629 ng/ml
Alprazolam	5.750	752361	832.39	102.6	∞	196419	97.0257 ng/ml
Amphetamine	2.961	1331780	32724.23	52.0	39605.22	161051	106.6492 ng/ml
Benzoylcegonine	3.833	42707	7633.91	8.3	208.23	16933	95.6400 ng/ml
Buprenorphine	5.429	13085	∞	15.5	441.87	49566	10.0248 ng/ml
Bupropion	4.699	690715	47474.08	59.5	2358.55	242644	100.2383 ng/ml
Carisoprodol	5.699	618846	227176.21	55.4	5808.21	307531	100.7313 ng/ml
Citalopram	5.176	359141	1420.22	41.0	3057.43	160757	100.9053 ng/ml
Clonazepam	5.580	903326	6195.69	33.2	2668.30	110109	104.5049 ng/ml
Cocaine	4.204	1118660	143118.59	46.4	61512.87	874772	96.9765 ng/ml
Codeine	2.469	137537	70800.66	101.6	1459.92	65093	106.3103 ng/ml
Cyclobenzaprine	5.597	239263	255.15	8.8	129.41	94815	97.9155 ng/ml
Dextromethorphan	5.219	184915	729.96	80.2	318.76	86254	98.9660 ng/ml
Dextrophan	4.066	222305	4369.18	211.1	3002.08	297437	97.6250 ng/ml
Diazepam	5.928	525340	4917.90	87.4	1813.05	256525	99.1670 ng/ml
Dihydrocodeine	2.461	359539	2019.62	65.3	576.43	204425	102.8652 ng/ml
Diphenhydramine	5.246	824548	905.66	33.2	9266.15	595495	97.7739 ng/ml
Doxylamine	4.165	1737810	35020.80	101.2	∞	752093	100.4127 ng/ml
EDDP	5.217	497114	1097.01	42.5	597.19	273306	99.7545 ng/ml
Fentanyl	4.992	23506	1569.48	68.1	31625.66	138467	9.7132 ng/ml
Fluoxetine	5.689	245404	2115.43	8.6	927.69	103275	98.7018 ng/ml
Hydrocodone	2.924	444571	∞	39.6	767.67	272923	108.5120 ng/ml
Hydromorphone	1.527	351476	2912.46	76.6	∞	140915	94.9163 ng/ml
Ketamine	3.945	1062748	1342.88	38.8	1761.90	488567	102.7405 ng/ml
Lamotrigine	4.181	89164	4296.28	80.3	29588.74	488567	102.6134 ng/ml
Lorazepam	5.722	684045	2950.37	55.4	1858.76	110109	95.7859 ng/ml
Meprobamate	4.868	358450	733.43	26.0	1835.58	193244	104.3245 ng/ml
Methadone	5.628	488195	41981.99	53.7	16279.67	240039	98.4045 ng/ml
Methamphetamine	3.148	603867	2025.76	42.2	4354.80	250683	104.1764 ng/ml
Metoprolol	4.273	156897	4589.61	98.0	3899.95	1131013	100.6377 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.388	719479	11862.33	48.3	1641.67	445375	95.4662 ng/ml
Mitragynine	5.119	80351	15013.40	39.4	70222.41	240039	107.0836 ng/ml
Morphine	1.180	53688	910.68	23.1	149.65	5973	101.1352 ng/ml
Norbuprenorphine	4.937	1361	62.64	83.0	123.12	6973	9.6209 ng/ml
Nordiazepam	5.868	493768	1177.70	58.4	10934.32	166007	101.6416 ng/ml
Norfentanyl	4.033	158415	1555.56	37.7	1854.89	691156	9.3991 ng/ml
Norhydrocodone	2.992	37890	238.56	43.6	115.17	40931	92.2793 ng/ml
Noroxycodone	2.823	389750	2212.45	49.2	14148.67	128046	100.4229 ng/ml
O-desmethyl-tramadol	3.307	2484683	6424.25	6.1	2924.66	1379446	97.6933 ng/ml
Oxazepam	5.731	822217	37313.29	70.2	∞	497776	103.3184 ng/ml
Oxycodone	2.733	894035	6755.92	31.4	992.05	422270	101.3877 ng/ml
Oxymorphone	1.330	343531	1645.83	48.2	∞	125925	102.5393 ng/ml
Phentermine	3.711	247241	12713.82	2.8	425.50	307042	103.9185 ng/ml
Promethazine	5.501	556572	3873.40	31.1	681.17	251851	100.6017 ng/ml
Quetiapine	5.416	439649	130988.02	60.1	2043.62	59445	98.4798 ng/ml
Sertraline	5.751	121168	6670.07	91.4	4806.74	52544	100.4368 ng/ml
Temazepam	5.798	1495584	3432.01	29.0	7110.26	816966	100.7551 ng/ml
Tramadol	4.193	2139837	115165.33	3.4	1307.86	1131013	101.0105 ng/ml
Trazodone	4.748	537295	63899.85	79.2	25584.40	234638	95.9280 ng/ml
Venlafaxine	4.994	1397281	107242.67	36.1	∞	740819	96.9068 ng/ml
Zolpidem	4.541	2406700	∞	30.4	81685.94	1126582	102.3500 ng/ml

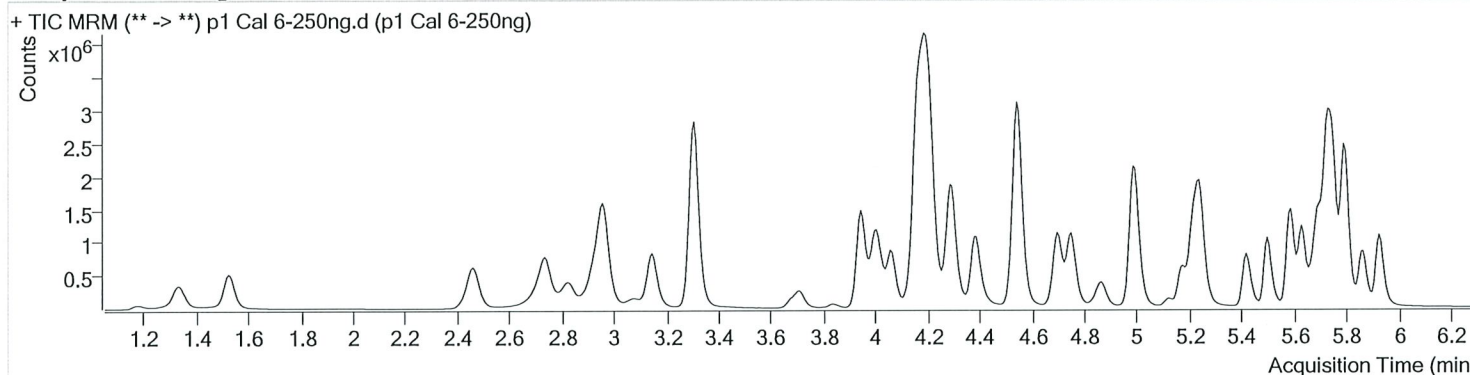
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-C12	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 2:49:26 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.062	53908	10895.92	72.4	1206.49	49803	24.4337 ng/ml
7-aminoclonazepam	3.996	1261470	59122.12	84.0	1823.36	209653	254.1299 ng/ml
a-hydroxyalprazolam	5.667	433388	8643.19	63.3	979.42	41707	254.4091 ng/ml
alpha-PVP	4.297	2449293	100407.31	50.9	4737.38	428129	243.7729 ng/ml
Alprazolam	5.750	1574797	1956.43	105.1	1332.09	162828	243.7294 ng/ml
Amphetamine	2.961	3136446	∞	51.7	26562.88	160099	254.3460 ng/ml
Benzoylcegonine	3.833	102597	7346.05	7.8	2375.51	15346	253.4882 ng/ml
Buprenorphine	5.429	35413	1261.05	16.8	∞	52627	25.6306 ng/ml
Bupropion	4.699	1773295	173080.07	59.3	∞	251481	248.6004 ng/ml
Carisoprodol	5.699	1269348	114657.78	53.8	507.33	252695	252.0013 ng/ml
Citalopram	5.176	955396	10020.51	42.0	6963.61	171977	251.3366 ng/ml
Clonazepam	5.580	1925836	41548.84	33.4	69342.86	98997	248.5653 ng/ml
Cocaine	4.211	2553436	132196.97	45.3	49614.13	779791	247.9964 ng/ml
Codeine	2.469	293593	8775.78	102.0	3235.46	60599	244.7490 ng/ml
Cyclobenzaprine	5.590	663066	193706.04	8.9	572.30	100901	254.9874 ng/ml
Dextromethorphan	5.219	506769	736.05	78.4	839.10	92517	253.1222 ng/ml
Dextrorphan	4.066	542047	3575.36	213.3	5188.84	289244	244.4946 ng/ml
Diazepam	5.928	1167924	18618.30	88.2	3092.93	227055	249.5744 ng/ml
Dihydrocodeine	2.461	820104	1026.95	66.0	1667.62	192991	249.5855 ng/ml
Diphenhydramine	5.246	2218856	1829.14	32.9	2971.44	629982	248.7727 ng/ml
Doxylamine	4.158	4563501	76168.03	96.8	136666.79	749114	267.5823 ng/ml
EDDP	5.217	1269799	847.33	42.7	∞	276525	251.7906 ng/ml
Fentanyl	4.992	65020	4312.37	65.8	1152.71	146937	25.4099 ng/ml
Fluoxetine	5.689	644177	2234.14	8.6	2742.37	107602	248.8713 ng/ml
Hydrocodone	2.924	989304	5254.71	42.1	∞	271127	243.8181 ng/ml
Hydromorphone	1.527	791190	2943.51	77.9	3715.92	120114	250.9179 ng/ml
Ketamine	3.945	2484985	298281.34	38.3	12473.15	468550	251.3413 ng/ml
Lamotrigine	4.181	179867	23377.65	80.0	20897.57	468550	217.2188 ng/ml
Lorazepam	5.722	1221872	4918.12	56.3	7980.11	98997	191.8547 ng/ml
Meprobamate	4.868	750847	993.82	25.5	7155.75	169558	249.8966 ng/ml
Methadone	5.628	1363019	6408.72	53.3	20348.60	259465	254.3058 ng/ml
Methamphetamine	3.148	1603073	13796.14	42.4	6347.75	272479	256.1848 ng/ml
Metoprolol	4.273	361446	45431.84	97.5	9051.73	1018966	257.6134 ng/ml

15



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.388	1913390	4836.37	48.1	7911.09	428129	265.2766 ng/ml
Mitragynine	5.119	213797	854085.67	38.8	83308.07	259465	264.1795 ng/ml
Morphine	1.180	123219	2127.65	24.3	3443.68	5537	250.5690 ng/ml
Norbuprenorphine	4.937	3614	277.13	88.5	817.41	7551	23.9948 ng/ml
Nordiazepam	5.868	1088761	13874.76	57.6	21795.05	146938	254.0750 ng/ml
Norfentanyl	4.033	384412	9960.89	37.5	2884.01	617934	25.4680 ng/ml
Norhydrocodone	2.992	84866	∞	42.9	172.94	33117	254.5241 ng/ml
Noroxycodone	2.823	883865	10118.67	48.0	329.69	115516	252.8244 ng/ml
O-desmethyl-tramadol	3.307	5921324	7140.17	5.9	1776.99	1269533	253.0879 ng/ml
Oxazepam	5.731	1598202	46959.41	71.7	∞	396906	252.5033 ng/ml
Oxycodone	2.733	2134443	6547.63	31.5	3064.51	403904	253.5815 ng/ml
Oxymorphone	1.330	779392	5845.70	47.6	2167.93	118329	248.3105 ng/ml
Phentermine	3.711	622591	∞	2.7	707.96	316102	255.0757 ng/ml
Promethazine	5.501	1574858	11872.47	30.6	6314.10	285554	251.3046 ng/ml
Quetiapine	5.416	1116393	1934.39	59.9	1859.36	59413	250.3283 ng/ml
Sertraline	5.757	287940	2651.94	92.3	1549.98	49364	254.1499 ng/ml
Temazepam	5.798	3446528	2824.21	29.0	1723.13	754085	251.5803 ng/ml
Tramadol	4.193	4807834	204569.51	3.3	2715.44	1018966	252.6619 ng/ml
Trazodone	4.748	1428194	7096.63	79.1	83068.07	249855	238.3778 ng/ml
Venlafaxine	4.987	3500655	36343.95	35.6	3012.07	714952	251.2230 ng/ml
Zolpidem	4.541	5754508	300237.27	29.7	140339.71	1076559	256.7405 ng/ml

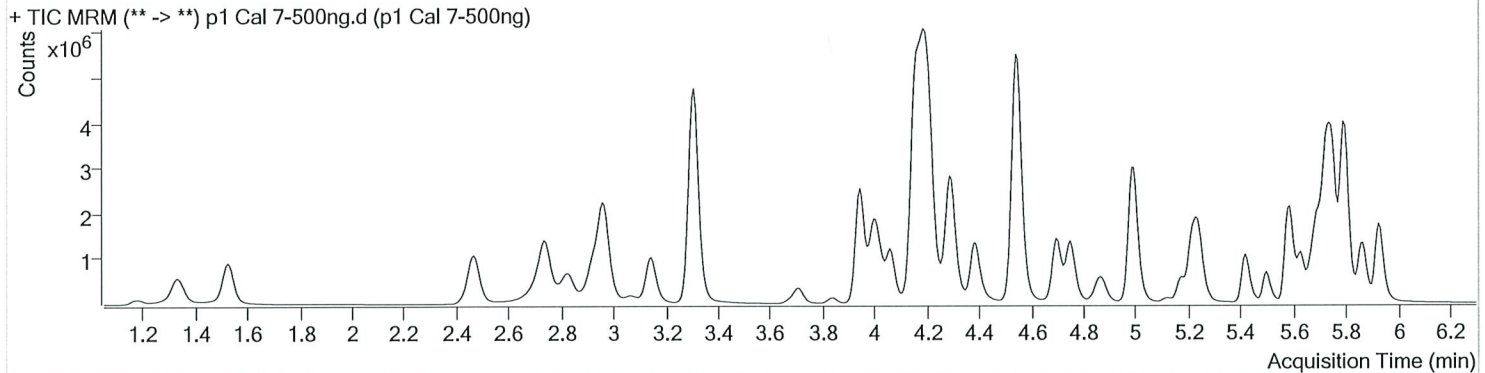
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wk\st 4205 4206 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-B12	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 3:00:03 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.056	111663	1595.32	70.6	1649.57	49580	50.8317 ng/ml
7-aminoclonazepam	3.996	2355091	4543.81	84.1	150585.13	202223	492.1221 ng/ml
a-hydroxyalprazolam	5.667	810798	1178.72	62.3	1015.78	40431	491.4455 ng/ml
alpha-PVP	4.297	3934738	251185.80	50.3	3000.88	339578	493.2594 ng/ml
Alprazolam	5.750	2800407	1304.53	102.9	5037.37	138444	508.8519 ng/ml
Amphetamine	2.967	4331262	∞	51.2	38768.32	118703	474.7881 ng/ml
Benzoylcegonine	3.833	222104	1267.27	7.7	1630.52	16261	517.8391 ng/ml
Buprenorphine	5.429	28207	623.23	17.3	242.68	22159	48.5301 ng/ml
Bupropion	4.699	2288496	117924.53	59.2	1877.88	163523	493.5984 ng/ml
Carisoprodol	5.699	2108645	135094.75	54.0	14902.68	217334	487.0788 ng/ml
Citalopram	5.176	909752	2061.52	41.1	952.69	83563	492.8233 ng/ml
Clonazepam	5.580	3461512	106514.30	33.4	43612.58	90827	487.4950 ng/ml
Cocaine	4.211	4239800	166902.00	46.7	∞	661271	485.3866 ng/ml
Codeine	2.469	493173	1164.94	99.8	21088.70	58126	429.1831 ng/ml
Cyclobenzaprine	5.590	434782	4295.26	9.3	2327.09	33431	504.6364 ng/ml
Dextromethorphan	5.219	431796	14890.15	79.8	20151.37	40417	493.8523 ng/ml
Dextrorphan	4.059	778049	∞	212.1	1825.30	206782	490.7057 ng/ml
Diazepam	5.928	2077342	20438.04	85.9	∞	201501	500.5310 ng/ml
Dihydrocodeine	2.467	1465759	∞	65.8	3399.43	195639	440.6095 ng/ml
Diphenhydramine	5.246	2134670	2453.47	33.0	1139.14	305720	493.2252 ng/ml
Doxylamine	4.152	7453309	103400.76	96.2	63546.85	624765	525.6785 ng/ml
EDDP	5.217	1732327	21814.31	42.5	1047.48	188378	504.2074 ng/ml
Fentanyl	4.992	43700	1123.85	67.1	1413.46	50281	49.9618 ng/ml
Fluoxetine	5.689	351931	40498.73	8.8	4331.28	29709	492.5788 ng/ml
Hydrocodone	2.924	1830842	∞	39.1	∞	244092	501.8321 ng/ml
Hydromorphone	1.527	1495445	2791.45	77.5	3125.08	112743	505.4308 ng/ml
Ketamine	3.945	4621613	10179.02	37.7	43495.46	445659	492.0193 ng/ml
Lamotrigine	4.174	281951	15642.28	79.0	∞	445659	358.8012 ng/ml
Lorazepam	5.722	1512911	7471.20	56.6	6964.88	90827	259.4725 ng/ml
Meprobamate	4.868	1290801	1606.62	25.3	11855.41	165548	440.4718 ng/ml
Methadone	5.628	1154695	73588.69	52.9	∞	114528	488.1570 ng/ml
Methamphetamine	3.148	2005216	9763.43	42.6	34374.71	183962	475.6783 ng/ml
Metoprolol	4.273	566581	28411.94	96.4	∞	853779	482.1057 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.382	2332991	8114.71	48.2	3060.36	339578	408.1521 ng/ml
Mitragynine	5.119	168700	18413.18	37.5	426299.21	114528	472.5765 ng/ml
Morphine	1.180	231860	6848.61	23.5	1788.80	5222	500.0297 ng/ml
Norbuprenorphine	4.937	3408	99.34	82.0	224.13	3446	49.8844 ng/ml
Nordiazepam	5.868	1849969	4199.24	57.6	4776.59	129124	491.8144 ng/ml
Norfentanyl	4.033	674085	4088.15	37.1	717.90	474169	58.1679 ng/ml
Norhydrocodone	2.992	142981	256.86	43.8	149.52	26774	529.8537 ng/ml
Noroxycodone	2.823	1532396	2220.89	48.9	4591.76	103936	487.4013 ng/ml
O-desmethyl-tramadol	3.307	11345234	223583.43	5.7	34464.73	1193215	516.0063 ng/ml
Oxazepam	5.731	2209014	∞	71.2	44250.09	284071	488.0482 ng/ml
Oxycodone	2.733	4104812	13073.49	31.5	5129.92	400426	492.2320 ng/ml
Oxymorphone	1.330	1470355	∞	47.9	3921.78	113173	490.2965 ng/ml
Phentermine	3.711	875123	10969.60	2.7	858.21	232178	488.7025 ng/ml
Promethazine	5.501	1048405	11535.11	32.1	7498.05	96301	496.2302 ng/ml
Quetiapine	5.416	1538777	1206.46	60.8	18378.86	40179	510.2893 ng/ml
Sertraline	5.757	136973	901.81	90.9	3618.76	11664	511.7402 ng/ml
Temazepam	5.798	6352206	162104.53	28.6	2503.10	690695	506.2577 ng/ml
Tramadol	4.186	7930795	152113.96	3.3	790.94	853779	497.9057 ng/ml
Trazodone	4.748	1779232	182062.28	78.3	20048.44	149555	495.3535 ng/ml
Venlafaxine	4.994	5427662	196573.53	35.7	∞	568213	489.8986 ng/ml
Zolpidem	4.541	11005928	203726.16	29.4	226511.13	1063336	497.5446 ng/ml

15

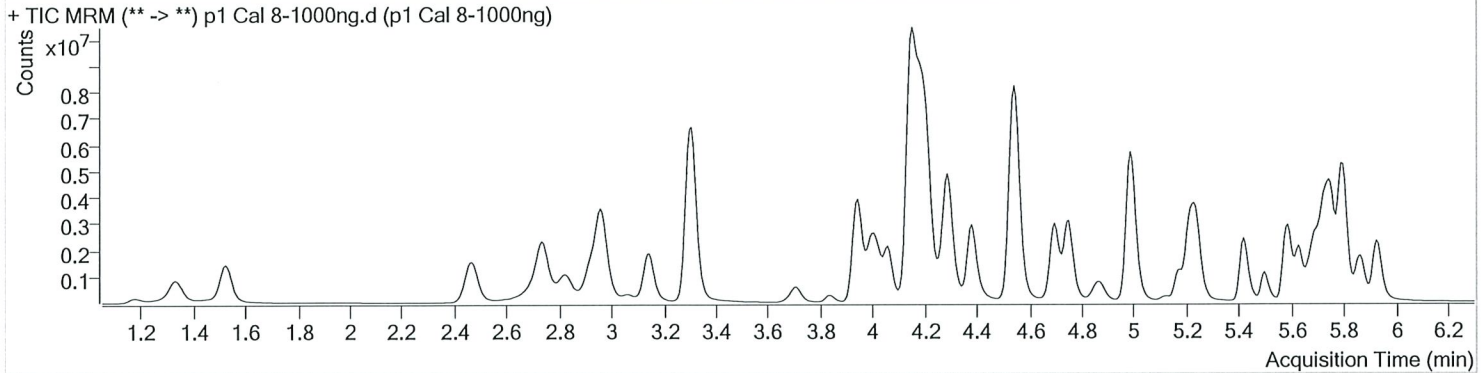


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\043020 AM 27 28 wklst 4205 4206 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 5/5/2020 10:20:26 AM

Instrument	Falco	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	MDQ P1 01112020.m	Operator	Tamara Salazar
Sample Position	P1-A12	Comment	
Injection Volume	2		
Acq. Date-Time	4/30/2020 3:10:39 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.056	218212	4308.19	70.7	12863.29	49180	100.1372 ng/ml
7-aminoclonazepam	3.996	3664682	51759.46	82.4	59314.27	162003	956.1357 ng/ml
a-hydroxyalprazolam	5.667	1210906	∞	63.5	886.13	31300	948.5364 ng/ml
alpha-PVP	4.290	7385936	10100.80	49.8	12844.97	308832	1017.5843 ng/ml
Alprazolam	5.750	4114378	858.01	103.9	∞	103150	1002.6156 ng/ml
Amphetamine	2.961	7126374	81850.21	51.0	62380.91	115480	803.8426 ng/ml
Benzoylcegonine	3.833	465322	83415.40	7.9	4680.96	16734	1054.2372 ng/ml
Buprenorphine	5.429	51279	1275.00	16.1	∞	19154	102.1249 ng/ml
Bupropion	4.699	4906599	23538.25	58.7	19816.21	171871	1007.0937 ng/ml
Carisoprodol	5.699	2842604	217312.46	53.6	56774.15	151209	944.1061 ng/ml
Citalopram	5.169	1983940	27444.56	41.3	1950.47	89406	1004.7777 ng/ml
Clonazepam	5.587	5020263	10018.41	33.2	∞	71777	895.1266 ng/ml
Cocaine	4.204	7261000	226918.53	44.7	120221.98	538814	1019.9582 ng/ml
Codeine	2.476	743636	5356.69	101.0	538.13	51384	732.6028 ng/ml
Cyclobenzaprine	5.590	720840	51513.93	9.2	1275.50	28086	995.8829 ng/ml
Dextromethorphan	5.212	774616	39738.73	78.7	924.96	35679	1003.7630 ng/ml
Dextrorphan	4.059	1465886	∞	213.2	51210.27	188037	1016.4738 ng/ml
Diazepam	5.928	3051413	1662.74	86.2	∞	153620	964.6964 ng/ml
Dihydrocodeine	2.461	2345281	919.67	65.8	409.44	183051	754.0029 ng/ml
Diphenhydramine	5.239	4365412	143247.64	32.4	2602.86	305264	1010.2004 ng/ml
Doxylamine	4.152	14875807	141877.74	99.6	279795.75	689432	952.1806 ng/ml
EDDP	5.217	4071944	765.99	42.1	1687.82	221500	1007.9153 ng/ml
Fentanyl	4.992	63743	493.47	68.0	∞	38086	96.2633 ng/ml
Fluoxetine	5.689	426837	∞	8.6	6580.60	17588	1009.2640 ng/ml
Hydrocodone	2.918	3125621	∞	38.2	∞	238956	875.5912 ng/ml
Hydromorphone	1.527	2576653	2114.21	77.2	∞	99399	987.9186 ng/ml
Ketamine	3.945	7800719	219626.18	37.3	6896.27	401734	921.7813 ng/ml
Lamotrigine	4.174	314860	10893.78	77.2	37905.88	401734	444.7878 ng/ml
Lorazepam	5.722	1466345	∞	58.8	5917.96	71777	318.5880 ng/ml
Meprobamate	4.868	1852727	79393.85	25.1	7900.20	137059	764.0825 ng/ml
Methadone	5.628	2356178	3542.07	52.9	14117.30	112944	1010.1578 ng/ml
Methamphetamine	3.148	3866827	∞	42.1	38450.52	189840	889.9433 ng/ml
Metoprolol	4.273	935546	23280.15	96.9	∞	678008	1002.6288 ng/ml

B



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.382	5137562	8876.33	47.8	11765.30	308832	989.2253 ng/ml
Mitragynine	5.119	304428	16041.42	38.3	10420.95	112944	865.0809 ng/ml
Morphine	1.180	407308	1232.02	23.9	875.97	4810	953.7200 ng/ml
Norbuprenorphine	4.937	6482	202.77	76.4	417.69	3170	103.4206 ng/ml
Nordiazepam	5.868	2632398	2743.16	58.5	2574.09	95881	942.9958 ng/ml
Norfentanyl	4.027	1306078	260697.44	37.3	30043.16	380969	140.2402 ng/ml
Norhydrocodone	2.992	267931	∞	39.1	∞	22405	1185.8538 ng/ml
Noroxycodone	2.823	2448438	∞	48.1	412.04	85204	950.2118 ng/ml
O-desmethyl-tramadol	3.307	18206963	212783.32	5.9	3182.91	977997	1010.3919 ng/ml
Oxazepam	5.725	2341112	4002.03	70.3	7027.78	159764	920.0650 ng/ml
Oxycodone	2.733	7329563	∞	31.5	58591.42	368564	955.2392 ng/ml
Oxymorphone	1.330	2375166	1289.82	47.5	1782.02	97118	923.4019 ng/ml
Phentermine	3.711	1608104	∞	2.7	2050.44	242891	858.8836 ng/ml
Promethazine	5.501	1765386	49964.07	30.9	2124.27	80272	1002.6157 ng/ml
Quetiapine	5.416	3593134	77460.85	60.0	39652.84	45841	1044.4790 ng/ml
Sertraline	5.757	138392	816.58	93.6	838.92	6127	984.3570 ng/ml
Temazepam	5.798	9310431	3252.70	28.4	1301.81	512728	999.5970 ng/ml
Tramadol	4.186	12496814	5173.96	3.3	2026.26	678008	988.4588 ng/ml
Trazodone	4.748	4211904	1256730.83	79.3	13983.47	171431	1022.2232 ng/ml
Venlafaxine	4.987	11106066	817291.38	35.3	4156.26	562457	1012.4569 ng/ml
Zolpidem	4.541	17991453	231107.81	30.0	48423.31	950212	910.5253 ng/ml