TS   3/4/2020

Worklist: 4045

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
M2020-0462	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖
M2020-0641	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖
P2019-1843	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖
P2020-0272	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖
P2020-0297	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖
P2020-0510	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖
P2020-0526	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖
P2020-0536	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖
P2020-0537	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖
P2020-0562	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖
P2020-0577	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖
P2020-0578	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖‖

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.

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

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

Extraction Date: 03/03/2020   Analyst: Tamara Salazar
Plate lot#: Item #:IDP-111   Lot:190729   Plate Expiration: 01/29/20—Ok, Deviation in place

Mobile phase A: 5mM Amm Form + 0.01% FA   **Mobile phase B:** 0.01% Formic Acid in MeOH
   0.5M Ammonium Hydroxide   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: 16** in wells of analytical (standards) plate.
☒ 3.   Place on shaking incubator at ambient temp., 900rpm for 15 minutes.   *Shaker ID: 067105*
☒ 4.   Pipette **250μL 00.5M 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\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS*
     Batch Name: *MDQ TS*
☒ 2.   Make necessary changes to integration limits
☒ 3.   Integration linear and R^2 values ≥0.98 for each analyte.
☒ 4.   For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
☒ 5.   Did all QCs pass for each analyte? 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: 7-aminoclonazepam: 5-500, Amphetamine 5-500, Buprenorphine 1-100, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-500, Mirtazapine 5-250, Mitragynine 5-500, Norbuprenorphine 1-100, Norfentanyl 0.5-50*

P2020-0053-1 from worklist 3979 was run with AM 28 worklist 4045 as it was missed when the original analysis was run.

Celena Shrum added sample P2019-5753-3 from worklist 3927 to this run. Tamara Salazar acted as the primary analyst and performed steps 3-16.
I, Celena Shrum, approved of all steps used in this method. CS

Idaho State Police
Forensic Services

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

Methanol External Control Solution (Lot: 031319)
100 ul of 1mg/mL stock was added to each drug to 9700 ul of LC MeOH.
Made for the AM 28 urine validation

Component	Source	Source Lot Number	Expiration Date
Methanol (LCMS)	Fisher	184782	
O-desmethyl Tramadol	Cerilliant	FN01241702	04/30/2022
Amphetamine	Cerilliant	FE04061701	06/30/2022
Alprazolam	Cerilliant	FE07061604	07/31/2021
Prepared:	03/13/19		
Prepared By:	Tamara Salazar		
Expires:	03/13/2020		

Blood External Control Solution (Lot: WS010820)
100 ul of methanol external control solution was added to 9900 ul of blood.
Approximately 100ng/mL of each compound.

Component	Source	Source Lot Number
Negative Blood	Hemostat	445283-3
Methanol External Control Solution		031319
Prepared:	01/08/2020	
Prepared by:	Tamara Salazar	
Expires:	03/13/2020	

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update   3/4/2020 10:11:39 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-E2	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 7:58:44 PM		
Sample Info.			

Sample Chromatogram

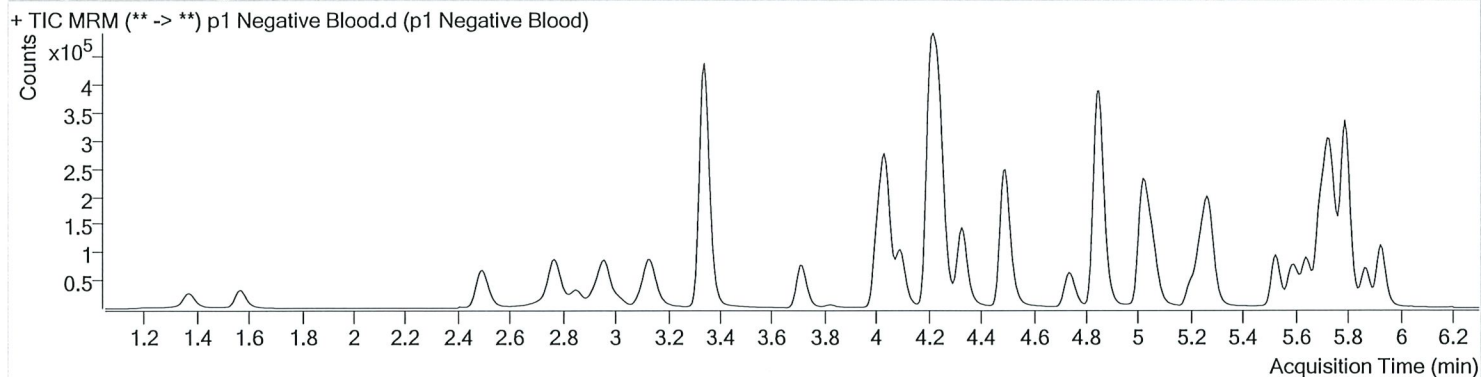+ TIC MRM (** -> **) p1 Negative Blood.d (p1 Negative Blood)

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update   3/4/2020 10:11:39 AM

Instrument	Falco	**Data File**	p1 External Control.d
Type	Sample	**Sample**	p1 External Control
Acq. Method	MDQ P1 01112020.m	**Operator**	Tamara Salazar
Sample Position	P1-F2	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 8:09:17 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 External Control.d (p1 External Control)

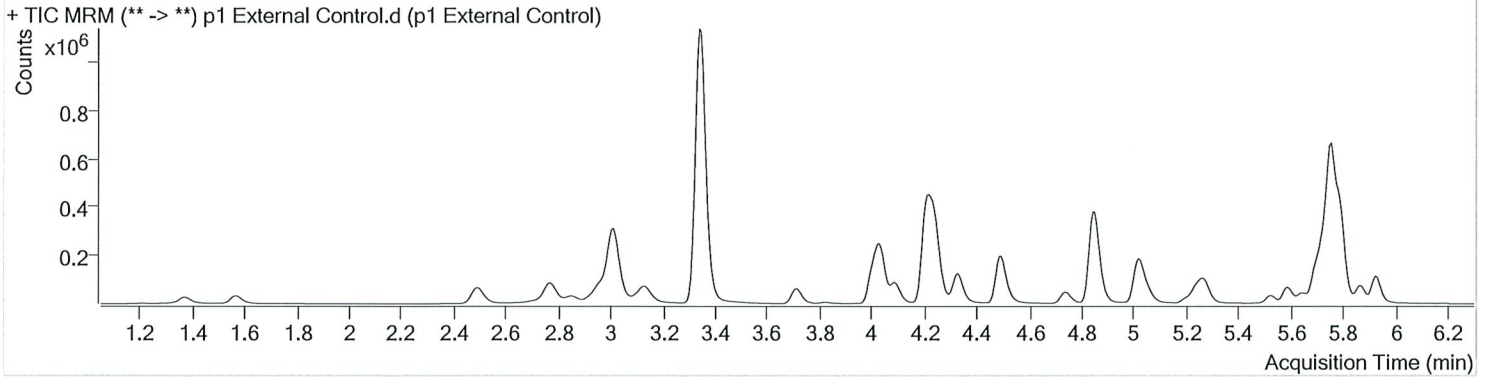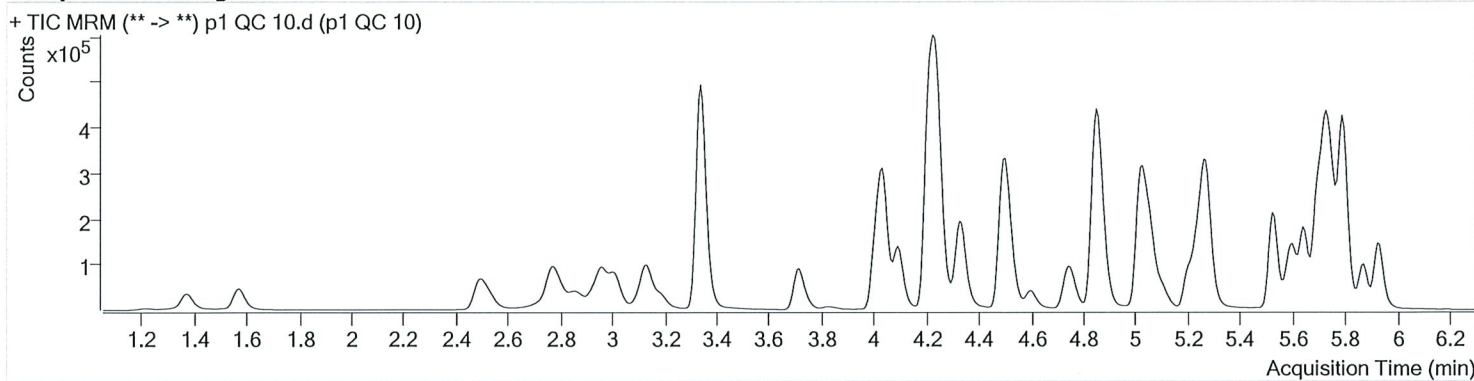| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.756	644365	2369.53	103.6	5594.04	188470	84.1189 ng/ml
Amphetamine	3.014	643448	20915.83	53.7	9420.51	89599	95.4680 ng/ml
O-desmethyl-tramadol	3.348	1975314	8253.43	6.0	913.96	1191085	90.1939 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update 3/4/2020 10:11:39 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-A2	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 6:23:23 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 10.d (p1 QC 10)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	2091	2076.61	67.5	358.83	42546	1.0755 ng/ml
7-aminoclonazepam	4.231	42997	2257.41	80.2	1419.46	178071	9.7522 ng/ml
a-hydroxyalprazolam	5.680	19525	277.72	62.6	277.80	43837	9.8809 ng/ml
alpha-PVP	4.337	86280	9333.20	51.7	599.08	393553	9.9204 ng/ml
Alprazolam	5.756	75302	521.00	103.1	4803.78	189333	10.0246 ng/ml
Amphetamine	3.014	107141	9938.38	53.1	215.24	125299	10.1980 ng/ml
Benzoylecgonine	3.847	3659	149.83	8.1	65.20	14259	9.7253 ng/ml
Buprenorphine	5.753	1975	∞	19.7	1264.74	73976	0.9071 ng/ml
Bupropion	4.759	61195	1798.95	58.8	571.31	214063	10.1522 ng/ml
Carisoprodol	5.705	61318	10719.74	53.9	263.77	302263	10.2560 ng/ml
Citalopram	5.202	39587	1452.12	40.6	1414.91	180038	9.7989 ng/ml
Clonazepam	5.593	90462	3478.90	34.3	171.34	108107	10.0462 ng/ml
Cocaine	4.243	97933	7029.38	45.5	1203.44	797536	9.5894 ng/ml
Codeine	2.550	12292	341.11	102.3	1394.77	53596	10.3194 ng/ml
Cyclobenzaprine	5.610	30973	171.77	9.8	∞	118618	9.8309 ng/ml
Dextromethorphan	5.252	21900	700.23	79.2	758.02	100050	10.1255 ng/ml
Dextrorphan	4.093	20777	672.95	211.1	1320.48	267134	10.2168 ng/ml
Diazepam	5.934	54943	1769.08	88.2	549.28	249972	10.2550 ng/ml
Dihydrocodeine	2.521	30539	831.89	66.7	3892.84	168552	10.2707 ng/ml
Diphenhydramine	5.272	86768	6062.58	33.0	1735.13	623984	10.2096 ng/ml
Doxylamine	4.514	182094	7906.73	96.0	4117.71	776566	9.9783 ng/ml
EDDP	5.244	44835	2286.70	42.9	19399.25	241121	10.1009 ng/ml
Fentanyl	5.072	3344	97.94	67.9	7495.37	171674	1.0211 ng/ml
Fluoxetine	5.702	35794	470.75	8.3	122.80	145098	10.3189 ng/ml
Hydrocodone	2.991	34515	∞	40.2	277.40	225744	9.8322 ng/ml
Hydromorphone	1.581	27772	757.23	78.4	220.53	105059	9.8131 ng/ml
Ketamine	4.026	87288	1615.62	38.4	902.62	400896	10.0160 ng/ml
Lamotrigine	4.254	8749	802.53	77.3	3195.89	400896	10.8686 ng/ml
Lorazepam	5.728	78335	∞	56.9	344.33	108107	10.5599 ng/ml
Meprobamate	4.875	29071	2501.00	26.0	527.10	144539	9.8414 ng/ml
Methadone	5.648	60514	1595.43	53.3	3500.22	286577	9.9000 ng/ml
Methamphetamine	3.188	53958	243.80	42.2	250.26	214168	9.4778 ng/ml

AM #28 Multi-Drug Quant. Results

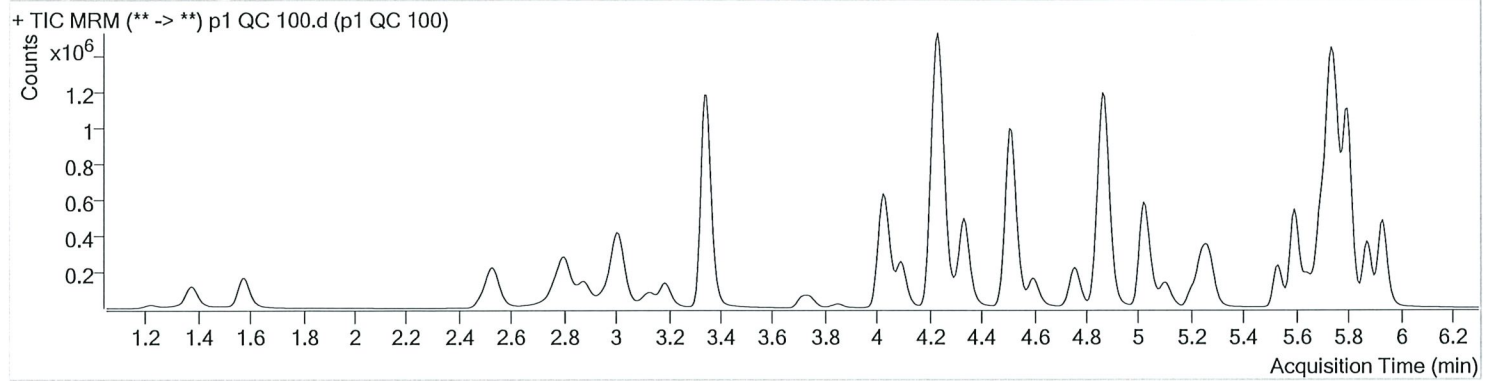| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	13574	10932.32	97.7	1005.30	1006570	10.1506 ng/ml
Mirtazapine	4.602	68557	1595.60	48.9	18903.07	393553	9.6781 ng/ml
Mitragynine	5.207	10792	1615.91	38.6	12394.03	286577	10.3120 ng/ml
Morphine	1.220	4162	447.26	23.1	796.82	3955	10.3376 ng/ml
Norbuprenorphine	4.970	161	318.39	95.2	19.10	7876	0.9874 ng/ml
Nordiazepam	5.874	50576	508.05	57.6	1098.09	152870	10.3866 ng/ml
Norfentanyl	4.061	13227	520.65	38.6	704.73	570402	0.9901 ng/ml
Norhydrocodone	3.032	3056	285.43	42.1	43.33	31527	9.4556 ng/ml
Noroxycodone	2.876	32551	670.92	48.6	291.74	100099	9.8367 ng/ml
O-desmethyl-tramadol	3.348	214896	1278.99	6.1	627.50	1153137	10.0349 ng/ml
Oxazepam	5.738	86285	2558.80	68.6	1268.81	515174	10.1938 ng/ml
Oxycodone	2.800	73400	1327.30	32.9	1093.34	334952	10.0448 ng/ml
Oxymorphone	1.376	25865	315.66	48.3	292.87	91005	10.0839 ng/ml
Phentermine	3.745	20847	392.45	2.4	63.26	259608	9.9441 ng/ml
Promethazine	5.527	74048	562.31	30.6	219.89	334112	9.9885 ng/ml
Quetiapine	5.531	42629	700.72	60.1	2410.94	54571	10.3265 ng/ml
Sertraline	5.764	19508	400.75	90.5	12537.51	87957	9.4095 ng/ml
Temazepam	5.798	143193	1470.99	29.6	166.74	749341	10.2954 ng/ml
Tramadol	4.226	205489	794.06	3.3	82.35	1006570	10.6038 ng/ml
Trazodone	5.099	57836	758.16	80.7	53293.98	245036	9.6823 ng/ml
Venlafaxine	5.020	126399	3689.60	35.4	2374.84	671071	10.1953 ng/ml
Zolpidem	4.871	212137	627.16	30.4	617.05	973011	10.3176 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update 3/4/2020 10:11:39 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-B2	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 6:44:34 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 100.d (p1 QC 100)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	18599	4334.79	70.5	3801.54	41891	9.9485 ng/ml
7-aminoclonazepam	4.231	383355	1023.26	81.0	13539.37	166280	102.2913 ng/ml
a-hydroxyalprazolam	5.680	178071	725.68	65.6	1001.41	41409	98.8460 ng/ml
alpha-PVP	4.337	659056	37430.98	51.1	1430.21	306658	95.1862 ng/ml
Alprazolam	5.756	695374	5546.16	103.9	1741.01	175979	97.1795 ng/ml
Amphetamine	3.014	679892	28513.98	54.1	14226.89	85009	106.4733 ng/ml
Benzoylecgonine	3.847	36565	9663.49	7.9	1545.21	14454	98.9677 ng/ml
Buprenorphine	5.760	5721	∞	18.0	1868.10	21491	10.0841 ng/ml
Bupropion	4.759	354258	19712.49	58.2	643.96	128140	99.5237 ng/ml
Carisoprodol	5.705	567408	1271.04	55.0	6434.56	294397	99.4537 ng/ml
Citalopram	5.202	140121	1188.77	41.0	1607.73	64237	100.1690 ng/ml
Clonazepam	5.593	874069	862.04	33.7	1696.42	106250	103.1868 ng/ml
Cocaine	4.244	818757	366355.94	44.5	27110.60	661103	95.7471 ng/ml
Codeine	2.550	116734	1111.72	100.5	17985.75	52393	105.3757 ng/ml
Cyclobenzaprine	5.617	66776	116463.42	10.3	250.35	26751	96.4687 ng/ml
Dextromethorphan	5.252	64268	14902.94	80.5	829.66	31058	94.4815 ng/ml
Dextrorphan	4.093	140134	3417.19	208.8	7748.25	178549	104.0392 ng/ml
Diazepam	5.934	512146	2602.85	87.7	3103.02	242403	100.0917 ng/ml
Dihydrocodeine	2.521	297932	2842.17	67.6	2430.65	172681	105.4105 ng/ml
Diphenhydramine	5.272	287197	∞	33.8	8425.45	220414	95.1266 ng/ml
Doxylamine	4.514	1315349	42415.68	97.1	29625.07	584216	98.0516 ng/ml
EDDP	5.244	305057	332373.90	42.9	370454.17	169663	98.9838 ng/ml
Fentanyl	5.072	7274	1155.38	61.1	23510.24	39181	10.2138 ng/ml
Fluoxetine	5.702	69319	21184.96	8.8	2827.32	29323	102.7864 ng/ml
Hydrocodone	2.991	316389	456.25	39.2	109.54	207444	108.6106 ng/ml
Hydromorphone	1.581	257937	1367.63	78.4	914.84	100929	97.9226 ng/ml
Ketamine	4.026	805265	192055.56	38.1	13178.85	382296	101.3008 ng/ml
Lamotrigine	4.254	75050	21221.08	80.3	21109.69	382296	107.1226 ng/ml
Lorazepam	5.728	632893	3299.19	57.4	2339.38	106250	97.8042 ng/ml
Meprobamate	4.875	259075	31300.62	26.0	407.75	136023	101.8231 ng/ml
Methadone	5.648	175353	4813.87	53.7	5408.85	87647	96.1137 ng/ml
Methamphetamine	3.188	285842	1401.19	42.5	1249.82	130771	102.9778 ng/ml

AM #28 Multi-Drug Quant. Results

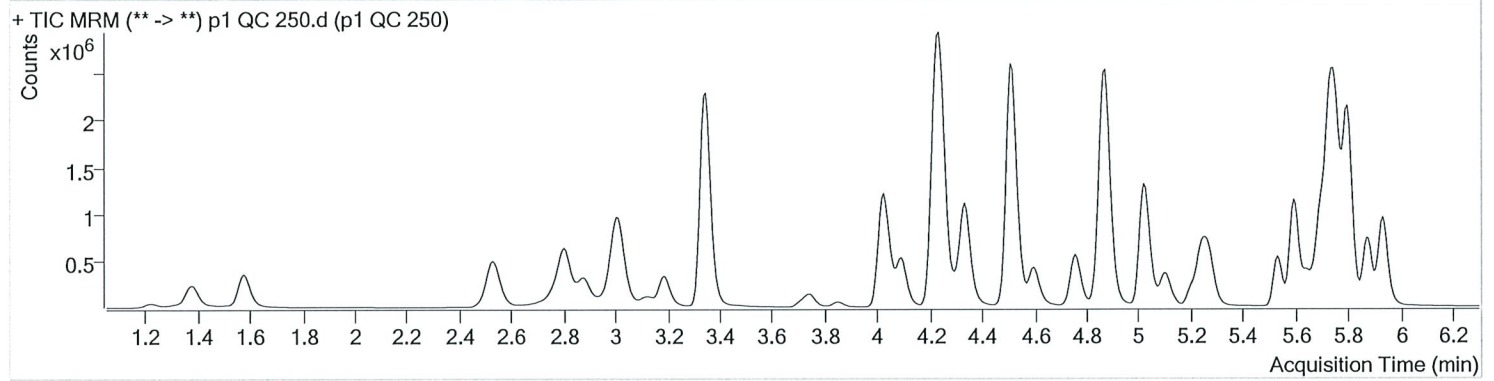| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	101241	447254.16	96.1	6126.33	882307	88.2602 ng/ml
Mirtazapine	4.596	279934	40366.80	49.6	12726.43	306658	47.7001 ng/ml
Mitragynine	5.207	26900	4838.43	39.3	29621.03	87647	87.7037 ng/ml
Morphine	1.220	38964	2179.31	23.4	680.25	3970	101.1287 ng/ml
Norbuprenorphine	4.976	499	48.51	82.9	363.10	2603	9.1100 ng/ml
Nordiazepam	5.874	475609	3189.54	56.1	2275.40	150201	101.9700 ng/ml
Norfentanyl	4.061	111970	7796.69	37.4	585.30	492391	9.5094 ng/ml
Norhydrocodone	3.039	25484	325.14	42.8	88.91	26317	86.2523 ng/ml
Noroxycodone	2.876	298171	1631.24	50.2	1507.18	95686	98.1154 ng/ml
O-desmethyl-tramadol	3.348	2132616	16108.35	6.0	4435.34	1159980	99.9999 ng/ml
Oxazepam	5.738	722838	36527.36	73.0	3082.65	465203	98.1264 ng/ml
Oxycodone	2.800	721204	3280.17	32.0	1335.38	328252	105.4533 ng/ml
Oxymorphone	1.376	246588	∞	48.0	751.75	88946	101.3182 ng/ml
Phentermine	3.745	127898	2776.89	2.6	317.37	168845	98.9784 ng/ml
Promethazine	5.527	157187	83651.61	30.9	848.13	73777	97.4881 ng/ml
Quetiapine	5.531	195362	10595.40	61.2	10430.64	25806	103.7335 ng/ml
Sertraline	5.770	37251	670.70	89.7	1551.17	16472	99.1486 ng/ml
Temazepam	5.798	1381582	1572.88	29.2	2700.59	732534	101.1991 ng/ml
Tramadol	4.226	1638542	60838.76	3.4	486.60	882307	103.9770 ng/ml
Trazodone	5.099	206550	∞	80.2	30588.06	87450	97.1234 ng/ml
Venlafaxine	5.020	862760	28521.66	36.3	1840.09	469415	95.4557 ng/ml
Zolpidem	4.871	1974553	98197.32	30.4	1164.45	944299	103.2030 ng/ml

AM #28 Multi-Drug Quant. Results

TS CS

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update 3/4/2020 10:11:39 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-C2	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 7:05:46 PM		
Sample Info.			

Outside curve range - 3-4-2020 TS

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 250.d (p1 QC 250)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	48346	2420.90	69.3	3342.23	42642	25.4499 ng/ml
7-aminoclonazepam	4.231	782422	∞	81.6	11498.20	147388	236.9329 ng/ml
a-hydroxyalprazolam	5.680	414583	6240.24	62.8	1326.61	38771	246.3836 ng/ml
alpha-PVP	4.337	1718820	135708.58	50.4	1127.59	312373	243.3384 ng/ml
Alprazolam	5.756	1596733	2163.15	99.9	1660.13	155002	252.9098 ng/ml
Amphetamine	3.014	1649358	42641.32	53.6	28654.08	87451	252.8839 ng/ml
Benzoylecgonine	3.847	94766	3504.16	7.8	838.91	14151	262.5550 ng/ml
Buprenorphine	5.760	12851	363.64	16.0	562.23	18741	26.1557 ng/ml
Bupropion	4.759	968261	3463.08	58.9	933.09	139605	249.9125 ng/ml
Carisoprodol	5.705	1263278	41875.55	54.3	671.29	256715	254.2933 ng/ml
Citalopram	5.202	343111	12620.53	40.5	630.91	63007	250.5682 ng/ml
Clonazepam	5.593	2026038	411825.61	33.1	29020.16	99680	255.6799 ng/ml
Cocaine	4.237	1999682	139026.13	44.2	25826.36	632788	244.1449 ng/ml
Codeine	2.550	269711	32714.38	100.5	27059.12	48818	262.1678 ng/ml
Cyclobenzaprine	5.617	144844	340.43	9.4	481.60	23148	242.2623 ng/ml
Dextromethorphan	5.252	149349	631.10	80.5	266.02	27904	244.1420 ng/ml
Dextrorphan	4.093	351772	∞	209.6	48047.48	182349	255.8750 ng/ml
Diazepam	5.934	1183300	26256.92	87.0	11205.03	221502	253.3497 ng/ml
Dihydrocodeine	2.521	722225	3166.01	67.3	26108.56	170737	259.7338 ng/ml
Diphenhydramine	5.272	703972	121604.15	33.5	4413.31	209801	244.8667 ng/ml
Doxylamine	4.508	3679681	64668.43	97.0	349449.43	640633	250.5473 ng/ml
EDDP	5.244	847920	15430.42	42.5	1773.23	186274	250.8260 ng/ml
Fentanyl	5.072	15735	16093.71	60.7	22065.21	34114	25.4607 ng/ml
Fluoxetine	5.702	134649	8810.15	8.9	2505.21	22822	257.2061 ng/ml
Hydrocodone	2.991	760314	∞	41.0	357.80	209440	260.1345 ng/ml
Hydromorphone	1.581	613795	808.72	78.3	1347.66	94919	248.3111 ng/ml
Ketamine	4.026	1994946	373955.64	38.1	10979.00	377181	255.1305 ng/ml
Lamotrigine	4.254	163585	∞	79.8	21785.73	377181	238.0759 ng/ml
Lorazepam	5.728	1130783	∞	57.5	5045.47	99680	187.6396 ng/ml
Meprobamate	4.875	552102	1760.56	25.6	868.99	121225	244.8940 ng/ml
Methadone	5.648	416757	2821.10	54.1	34953.09	81733	245.3827 ng/ml
Methamphetamine	3.188	712763	2483.81	42.7	4184.51	133537	255.3587 ng/ml

3-4-2020 TS (handwritten note at Lorazepam row)

AM #28 Multi-Drug Quant. Results

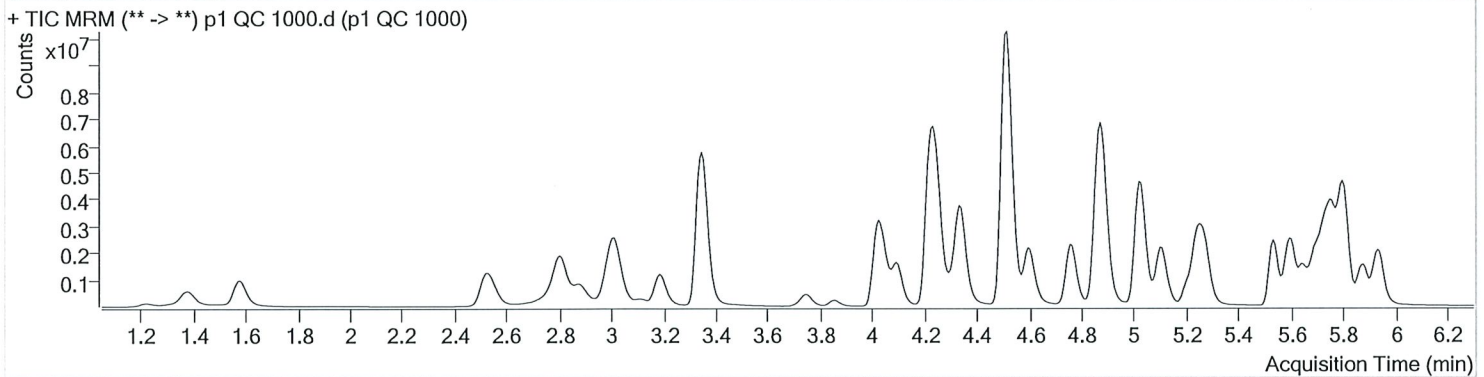| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	267484	∞	95.1	28544.61	851188	242.1514 ng/ml
Mirtazapine	4.596	727530	39391.41	49.5	138588.07	312373	120.5985 ng/ml
Mitragynine	5.207	59433	98567.11	39.7	61251.49	81733	208.4986 ng/ml
Morphine	1.226	93838	2938.29	23.7	∞	3791	255.9521 ng/ml
Norbuprenorphine	4.976	1257	77.38	82.7	95.10	2397	24.8922 ng/ml
Nordiazepam	5.881	1080477	1160.20	57.6	1488.00	137353	253.7649 ng/ml
Norfentanyl	4.061	298534	3734.21	37.2	11247.25	498956	24.9833 ng/ml
Norhydrocodone	3.039	61783	225.24	43.7	356.63	23482	232.7963 ng/ml
Noroxycodone	2.876	692486	1390.09	49.1	635.41	87839	248.9112 ng/ml
O-desmethyl-tramadol	3.348	5251634	4611.22	5.9	3791.34	1099984	259.8644 ng/ml
Oxazepam	5.738	1497093	∞	69.9	∞	371295	255.3203 ng/ml
Oxycodone	2.800	1779057	3944.47	32.1	3565.99	324467	263.9509 ng/ml
Oxymorphone	1.376	562126	782.31	48.2	∞	85567	240.5492 ng/ml
Phentermine	3.745	346807	∞	2.5	662.53	174469	260.7340 ng/ml
Promethazine	5.534	341106	∞	30.9	869.92	63858	244.6729 ng/ml
Quetiapine	5.531	536064	1225.21	60.2	111863.31	27845	264.4471 ng/ml
Sertraline	5.770	68975	1866.70	89.5	194765.65	11991	252.7121 ng/ml
Temazepam	5.798	3259160	83198.99	29.5	2039.29	674544	259.1799 ng/ml
Tramadol	4.219	4042975	3276.15	3.4	1552.11	851188	267.3801 ng/ml
Trazodone	5.099	557292	758.18	78.8	92890.01	89037	257.4198 ng/ml
Venlafaxine	5.020	2374729	4387.05	36.2	2893.10	509438	241.3918 ng/ml
Zolpidem	4.871	4975407	405887.13	29.8	42223.91	938909	262.2985 ng/ml

AM #28 Multi-Drug Quant. Results

TS   C9

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ
                           TS.batch.bin
Calibration Last Update   3/4/2020 10:11:39 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-D2	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 7:26:58 PM		
Sample Info.			

 # Out of curve range- 3-4-2020 TS

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 1000.d (p1 QC 1000)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	189266	4895.83	71.6	4900.93	41392	102.7268 ng/ml
7-aminoclonazepam	4.231	1201640	17777.86	81.1	∞	79295	678.3464 ng/ml
a-hydroxyalprazolam	5.673	1011201	2549.27	62.0	2130.93	25948	898.9878 ng/ml
alpha-PVP	4.344	6726386	402553.51	49.6	180028.06	295091	1007.3070 ng/ml
Alprazolam	5.756	3908561	∞	101.6	∞	94064	1019.3310 ng/ml
Amphetamine	3.014	4376286	86589.18	57.6	553639.33	90003	654.0497 ng/ml
Benzoylecgonine	3.853	413741	3083.96	7.9	2184.85	14246	1139.7600 ng/ml
Buprenorphine	5.760	39080	1412.95	16.4	∞	15394	97.1522 ng/ml
Bupropion	4.759	4259596	2817.84	58.0	1164.32	153769	998.6164 ng/ml
Carisoprodol	5.705	2629935	912.61	54.0	22578.63	138589	981.3033 ng/ml
Citalopram	5.202	1465996	1574.01	41.1	3306.54	67485	1000.5353 ng/ml
Clonazepam	5.593	4992262	157228.20	33.0	∞	67168	936.2871 ng/ml
Cocaine	4.243	6180146	1585744.96	44.0	146023.64	478494	997.5255 ng/ml
Codeine	2.550	727353	1061.93	100.5	1616.45	36889	937.1473 ng/ml
Cyclobenzaprine	5.617	566941	∞	9.9	932.54	22713	967.2789 ng/ml
Dextromethorphan	5.252	596166	17376.68	78.4	9694.86	27497	988.5558 ng/ml
Dextrorphan	4.100	1229430	241012.09	210.7	76464.16	158798	1027.2163 ng/ml
Diazepam	5.934	3108782	9425.94	88.0	∞	149320	987.8752 ng/ml
Dihydrocodeine	2.521	2152398	63810.81	66.4	175386.27	163962	807.9269 ng/ml
Diphenhydramine	5.279	3234082	2049.07	33.2	850.77	232826	1013.4784 ng/ml
Doxylamine	4.514	16065361	1486260.20	96.2	1374700.19	722287	970.9667 ng/ml
EDDP	5.244	4239382	2332.64	42.0	45067.16	225803	1035.0064 ng/ml
Fentanyl	5.072	69274	15167.25	64.1	109179.27	36763	104.1866 ng/ml
Fluoxetine	5.702	398731	51265.89	8.8	8091.46	16996	1024.1326 ng/ml
Hydrocodone	2.985	2345465	∞	40.6	839.87	196660	857.3091 ng/ml
Hydromorphone	1.581	1960814	5224.22	78.3	732.36	76744	982.1503 ng/ml
Ketamine	4.026	6750907	539012.87	37.2	52126.06	342100	953.2821 ng/ml
Lamotrigine	4.261	325918	5482.97	76.8	∞	342100	524.3694 ng/ml
Lorazepam	5.728	1277048	∞	53.4	∞	67168	315.5128 ng/ml
Meprobamate	4.888	938273	32569.20	25.9	7087.41	72336	699.3587 ng/ml
Methadone	5.648	1931937	1955.77	54.1	1507.79	93730	992.7451 ng/ml
Methamphetamine	3.188	2677886	22736.28	42.4	21975.04	134776	957.9392 ng/ml

3-4-2020 TS ✳ (7-aminoclonazepam)
3-4-2020 TS ✳ (Amphetamine)
3-4-2020 TS ✳ (Lamotrigine)
3-4-2020 TS ✳ (Meprobamate)

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	917207	3859436.55	97.5	22128.92	744875	949.5857 ng/ml
Mirtazapine	4.596	3917807	1148332.89	49.1	102378.80	295091	684.1233 ng/ml
Mitragynine	5.207	231691	10652.88	39.5	∞	93730	709.9944 ng/ml
Morphine	1.226	311249	10801.78	24.3	3527.38	3240	994.7750 ng/ml
Norbuprenorphine	4.976	4897	768.29	80.3	3762.86	2732	85.0232 ng/ml
Nordiazepam	5.881	2672618	7274.56	56.8	1875.66	86805	994.0906 ng/ml
Norfentanyl	4.061	1218874	29293.08	37.7	6047.20	395299	128.6567 ng/ml
Norhydrocodone	3.039	244323	∞	42.8	∞	19232	1120.4989 ng/ml
Noroxycodone	2.876	1895472	4603.46	49.3	2866.80	59314	1010.3517 ng/ml
O-desmethyl-tramadol	3.348	16506459	473326.44	5.8	41073.33	862643	1041.8450 ng/ml
Oxazepam	5.731	1968839	72769.74	70.7	10500.17	143904	867.3778 ng/ml
Oxycodone	2.800	6207094	∞	31.7	8508.47	299482	999.2086 ng/ml
Oxymorphone	1.376	1667823	∞	50.2	∞	68020	898.7376 ng/ml
Phentermine	3.751	1290093	7016.43	2.4	1859.51	184233	920.0561 ng/ml
Promethazine	5.527	1317021	2380.83	31.0	6739.04	60338	1000.3303 ng/ml
Quetiapine	5.531	2932511	2885.35	60.6	13228.35	37663	1070.8100 ng/ml
Sertraline	5.770	156793	1310.61	90.8	673.78	7568	911.0976 ng/ml
Temazepam	5.805	8708312	157739.85	28.8	1684.50	430914	1083.9035 ng/ml
Tramadol	4.219	12733362	292289.39	3.3	2728.69	744875	964.7186 ng/ml
Trazodone	5.106	3583181	1563.68	78.4	13638.41	133438	1104.4683 ng/ml
Venlafaxine	5.020	10095067	766868.87	35.1	261728.74	513980	1015.6182 ng/ml
Zolpidem	4.871	16093671	286559.21	29.7	250549.38	847061	941.7180 ng/ml

Outside curve range. - 3-4-2020 TJ

3-4-2020 TJ (handwritten, left margin)
3-4-2020 TJ (handwritten, left margin)
3-4-2020 TJ (handwritten, left margin)

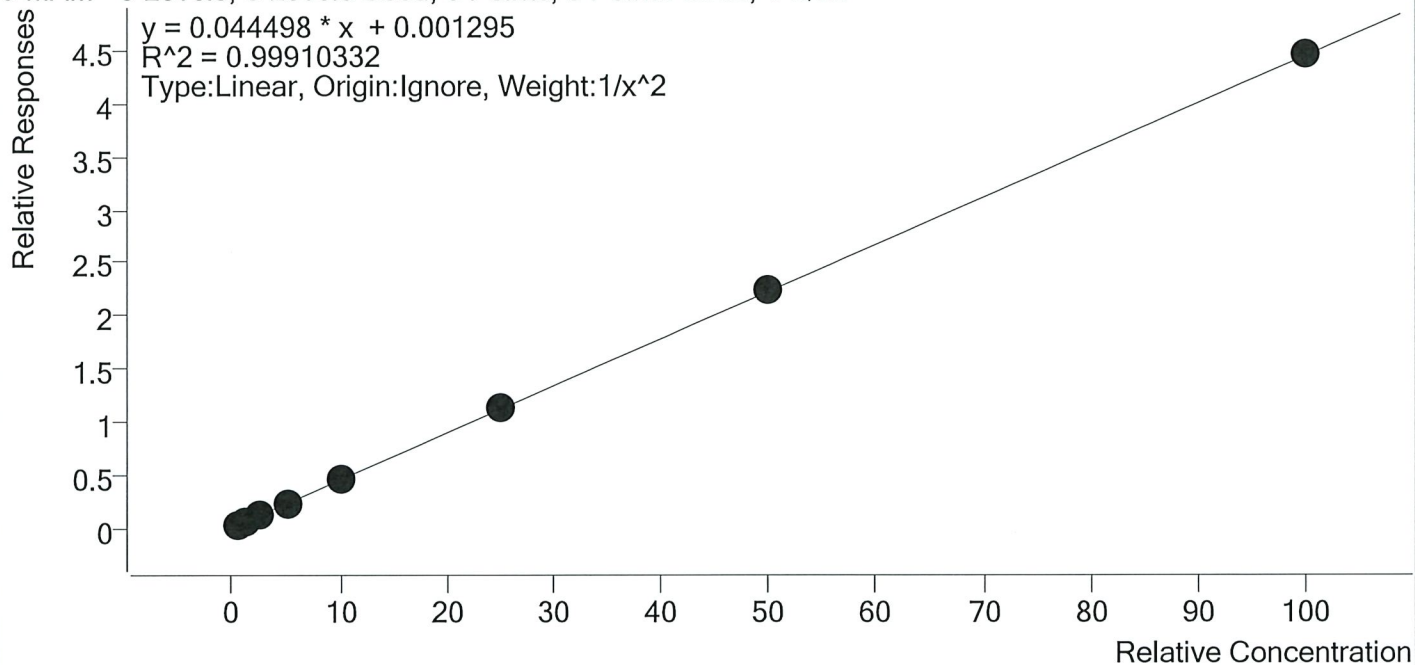# AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	6-MAM

Internal Standard 6-MAM-D6

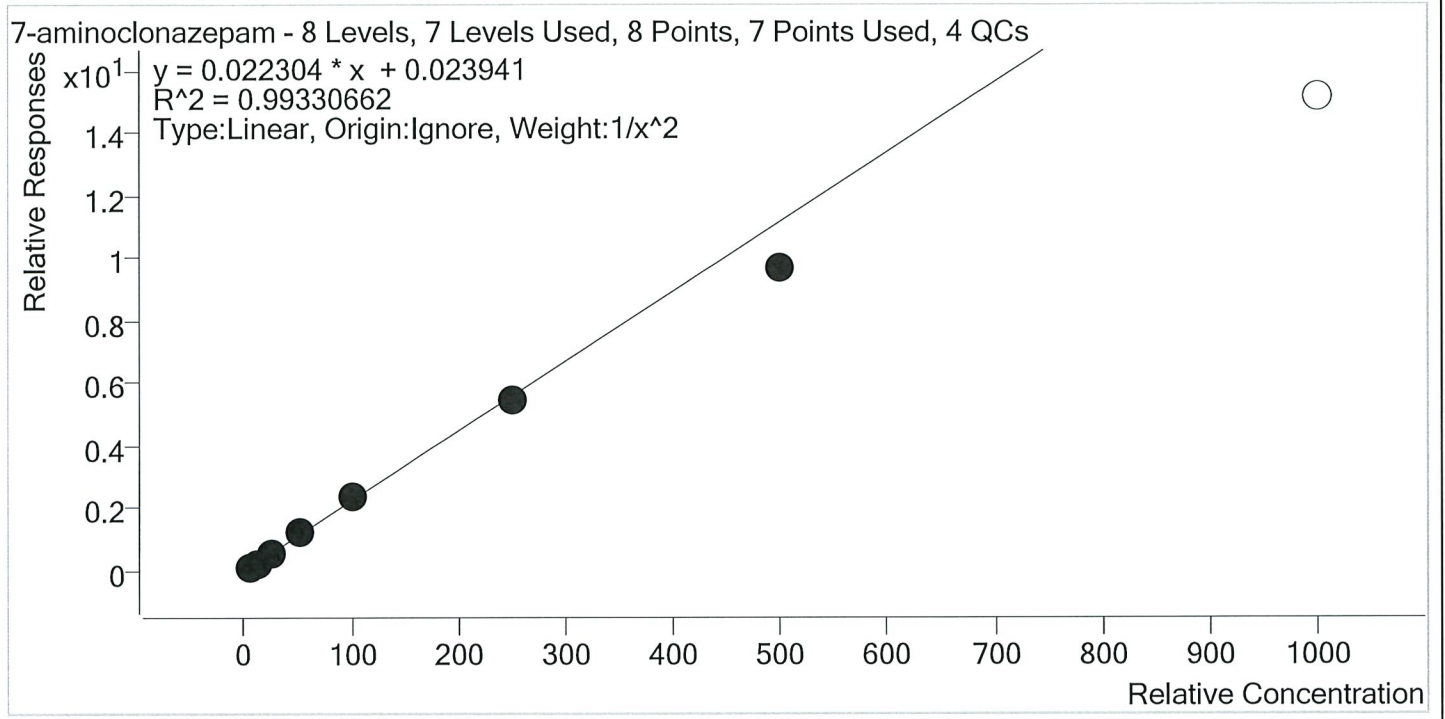6-MAM - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.044498 * x + 0.001295$
$R^2 = 0.99910332$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.8
p1 Cal 2- 10ng	2	✓	1.0	1.0	95.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.9
p1 Cal 4-50ng	4	✓	5.0	4.9	99.0
p1 Cal 5-100ng	5	✓	10.0	10.3	102.9
p1 Cal 6-250ng	6	✓	25.0	25.4	101.4
p1 Cal 7-500ng	7	✓	50.0	50.3	100.6
p1 Cal 8-1000ng	8	✓	100.0	100.3	100.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.022304 * x + 0.023941$
$R^2 = 0.99330662$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	243.1	97.2
p1 Cal 7-500ng	7	✓	500.0	434.9	87.0
p1 Cal 8-1000ng	8	✗	1000.0	678.0	67.8

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	a-hydroxyalprazolam

Internal Standard	a-hydroxyalprazolam-D5
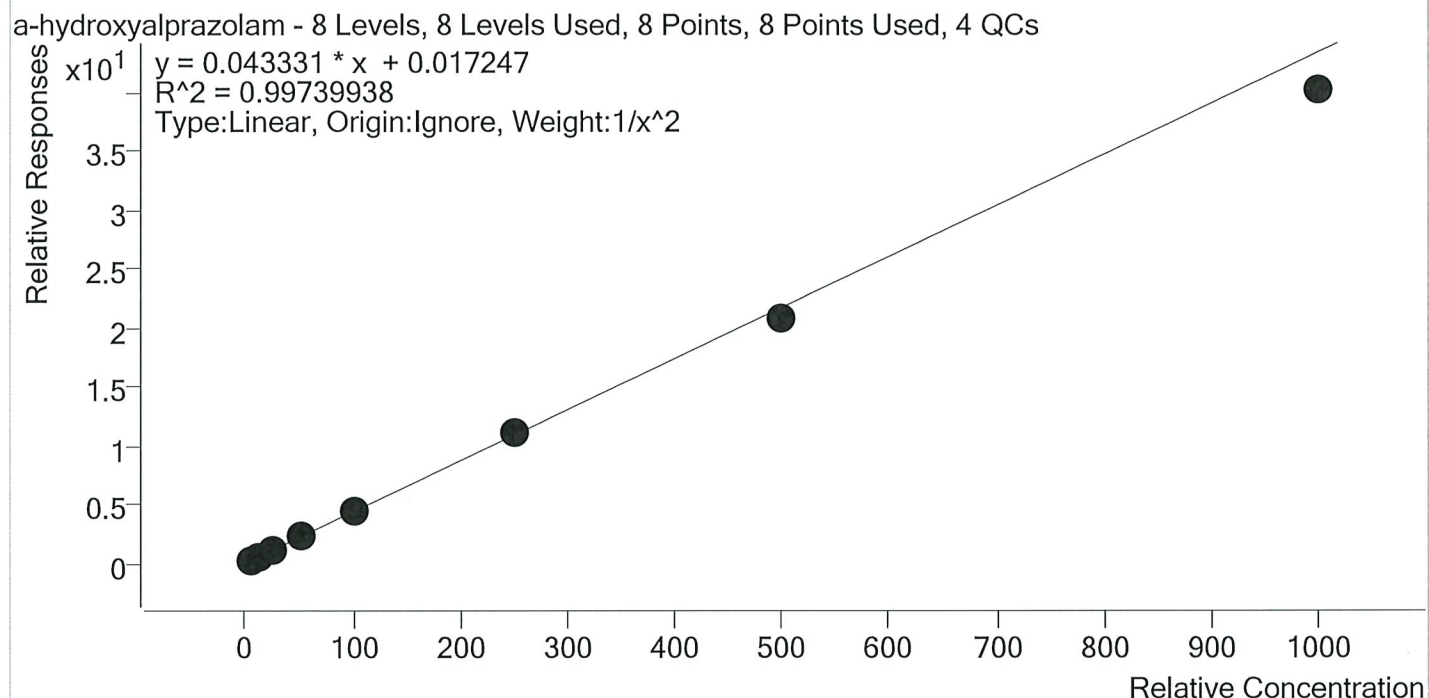
a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.043331 * x + 0.017247$
$R^2 = 0.99739938$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	477.3	95.5
p1 Cal 8-1000ng	8	✓	1000.0	925.6	92.6

AM #28 Multi-Drug Quant. Calibration Curve Report

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

$y = 0.022634 * x - 0.005305$
$R^2 = 0.99979818$
Type:Linear, Origin:Ignore, Weight:1/x
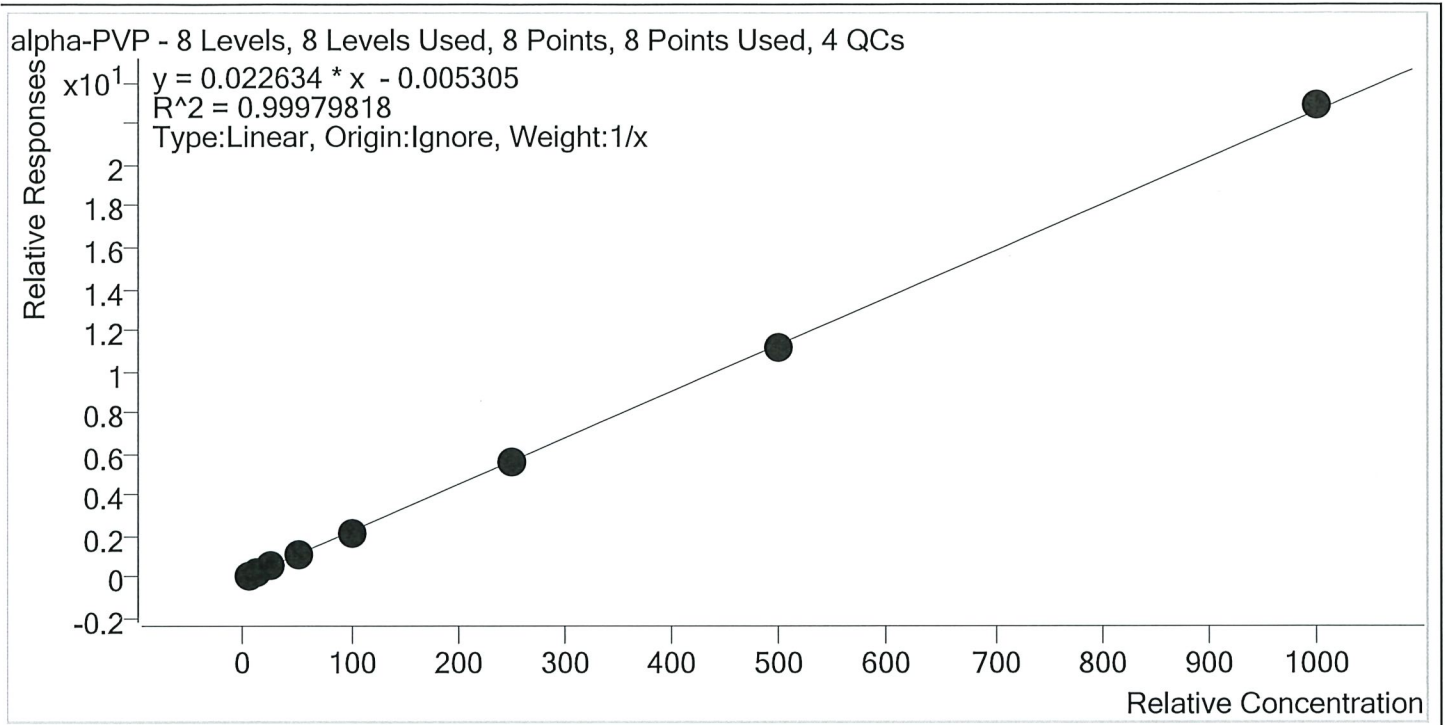
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	495.1	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1011.5	101.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Alprazolam

Internal Standard Alprazolam-D5
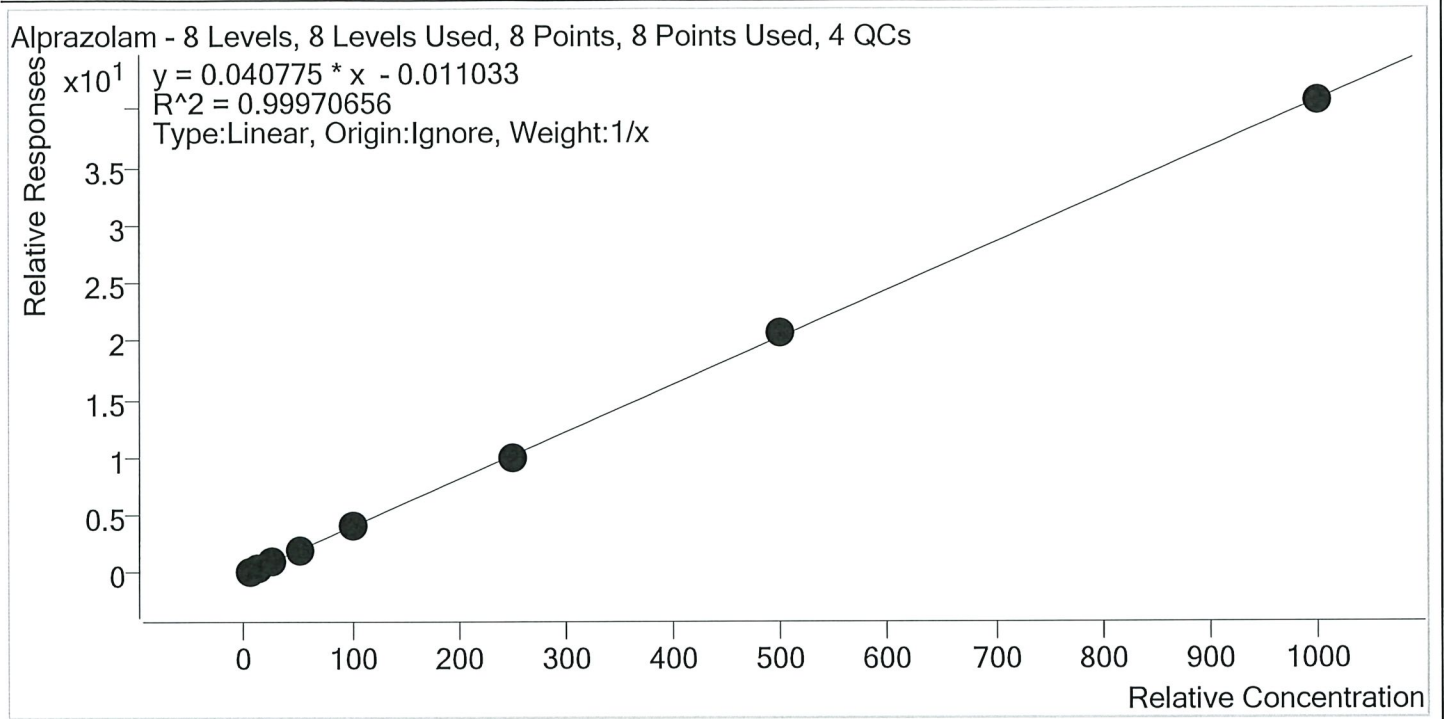
Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.040775 * x - 0.011033$
$R^2 = 0.99970656$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.8
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	242.9	97.2
p1 Cal 7-500ng	7	✓	500.0	510.8	102.2
p1 Cal 8-1000ng	8	✓	1000.0	998.0	99.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Amphetamine

Internal Standard Amphetamine-D11
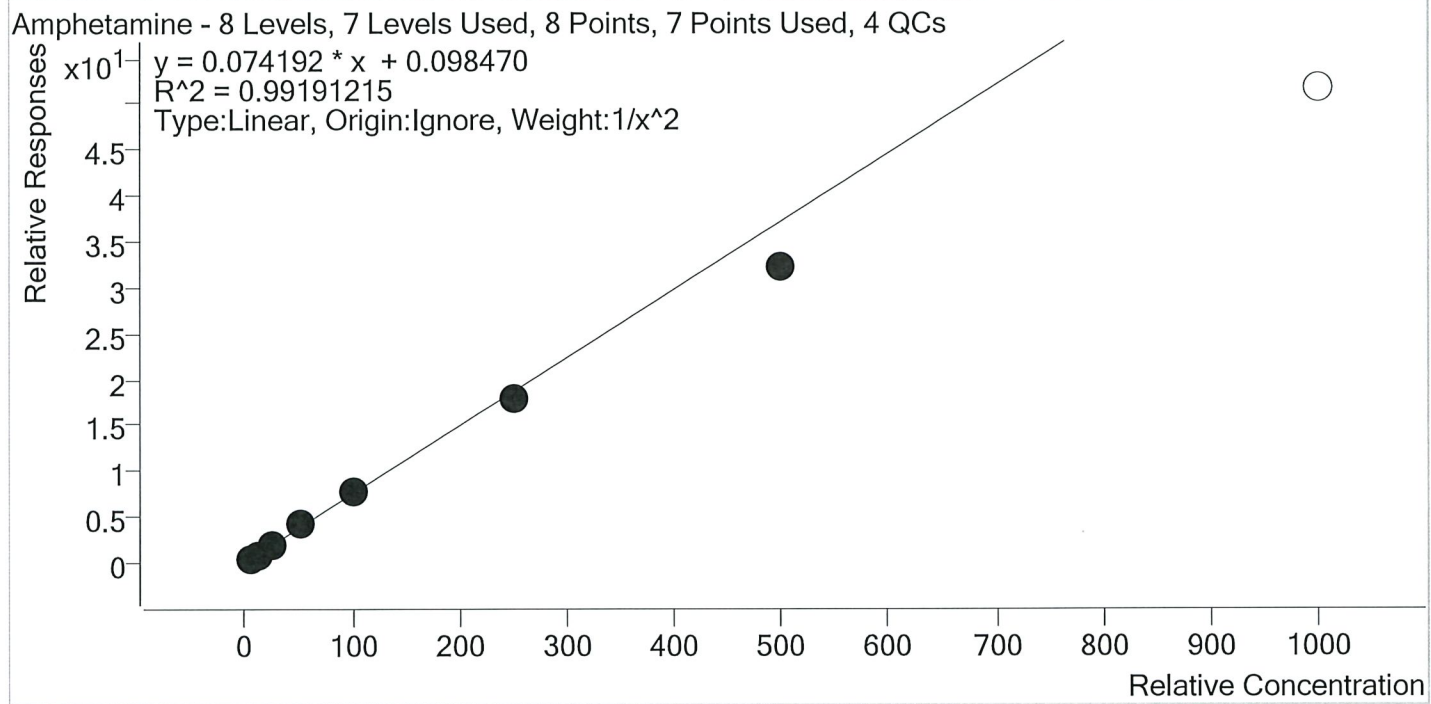
Amphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.074192 * x + 0.098470$
$R^2 = 0.99191215$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.4
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	237.4	94.9
p1 Cal 7-500ng	7	✓	500.0	434.5	86.9
p1 Cal 8-1000ng	8	✕	1000.0	694.7	69.5

Generated at 10:13 AM on 3/4/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Benzoylecgonine

Internal Standard   Benzoylecgonine-d8
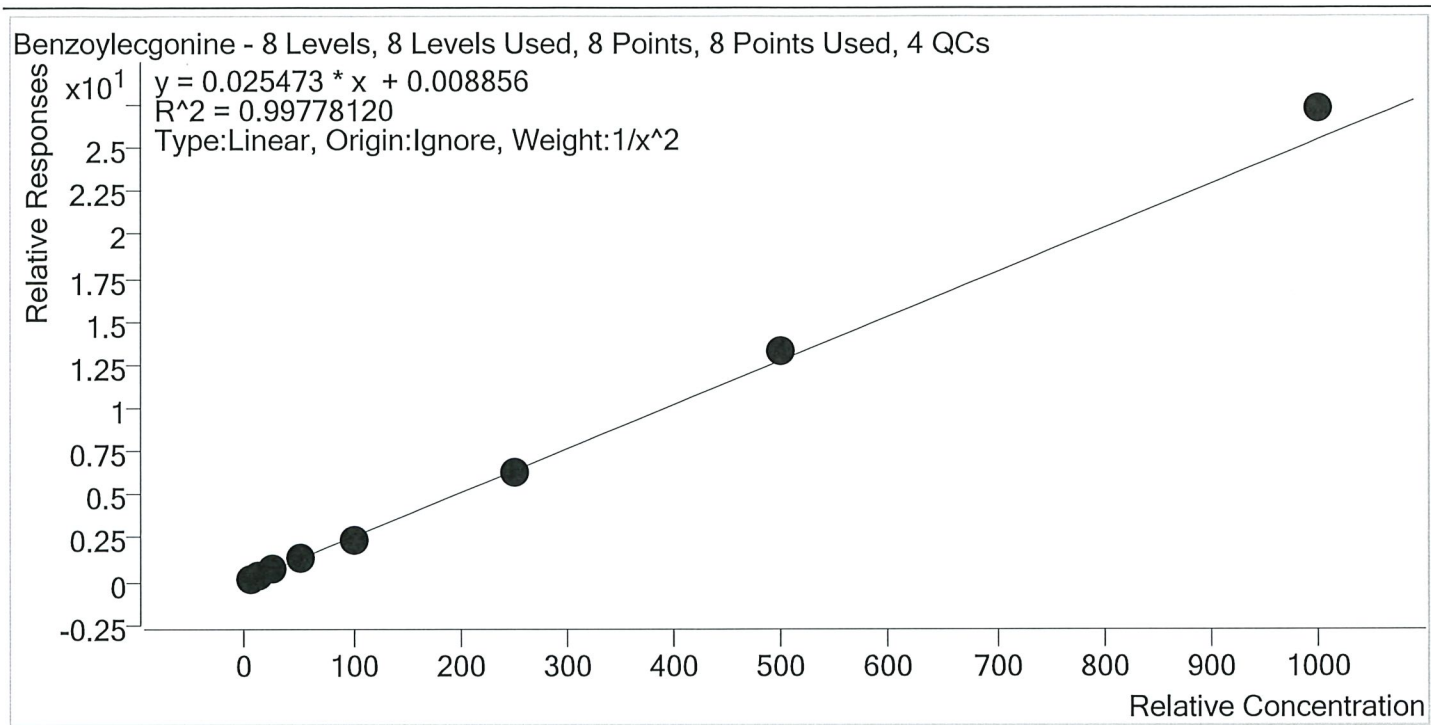
Benzoylecgonine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.025473 * x + 0.008856$

$R^2 = 0.99778120$

Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	48.3	96.7
p1 Cal 5-100ng	5	✓	100.0	95.1	95.1
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	518.5	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1070.2	107.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Buprenorphine

Internal Standard   Buprenorphine-D4
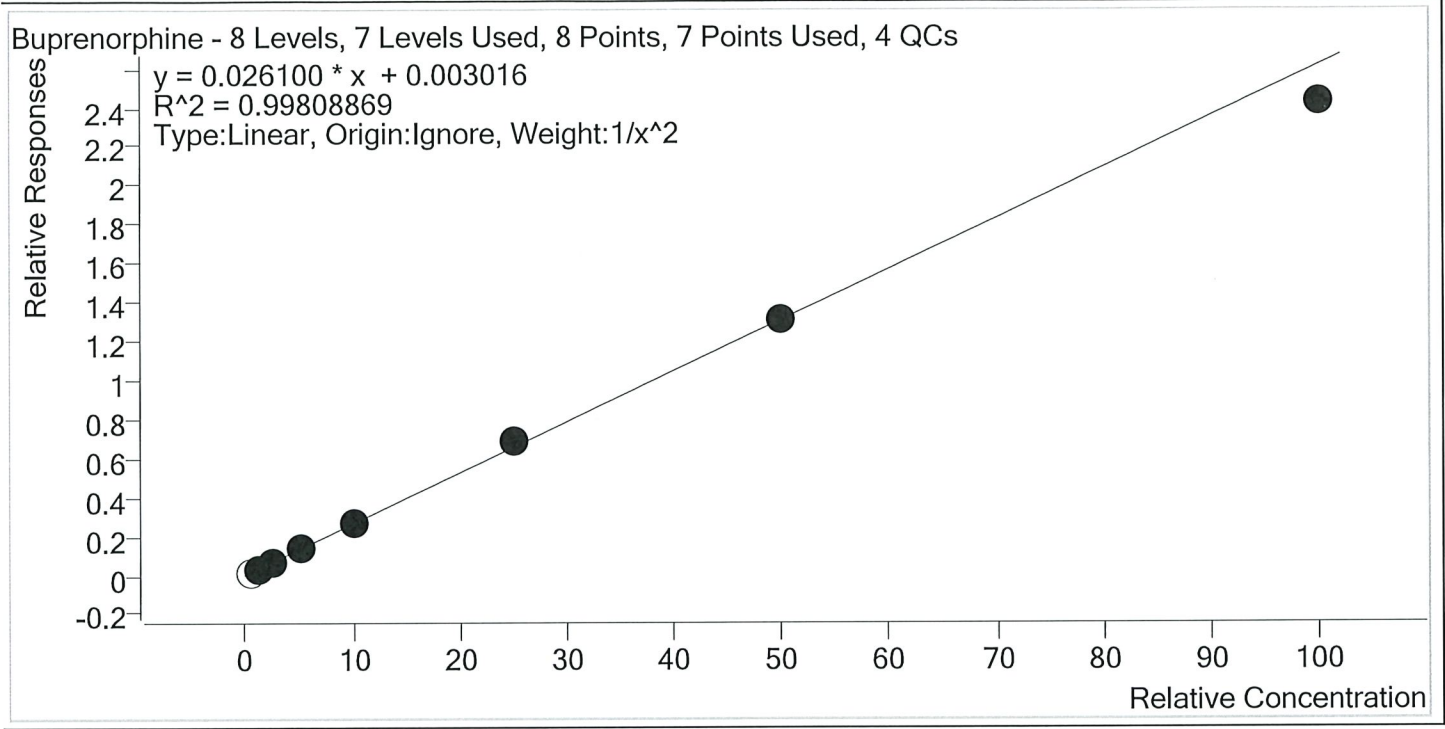
Buprenorphine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.026100 * x + 0.003016$

$R^2 = 0.99808869$

Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✗	0.5	0.4	78.0
p1 Cal 2- 10ng	2	✓	1.0	1.0	99.8
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.9
p1 Cal 4-50ng	4	✓	5.0	5.0	100.9
p1 Cal 5-100ng	5	✓	10.0	10.4	103.9
p1 Cal 6-250ng	6	✓	25.0	26.0	103.9
p1 Cal 7-500ng	7	✓	50.0	49.9	99.9
p1 Cal 8-1000ng	8	✓	100.0	92.8	92.8

Generated at 10:13 AM on 3/4/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Bupropion

Internal Standard   Bupropion-D9

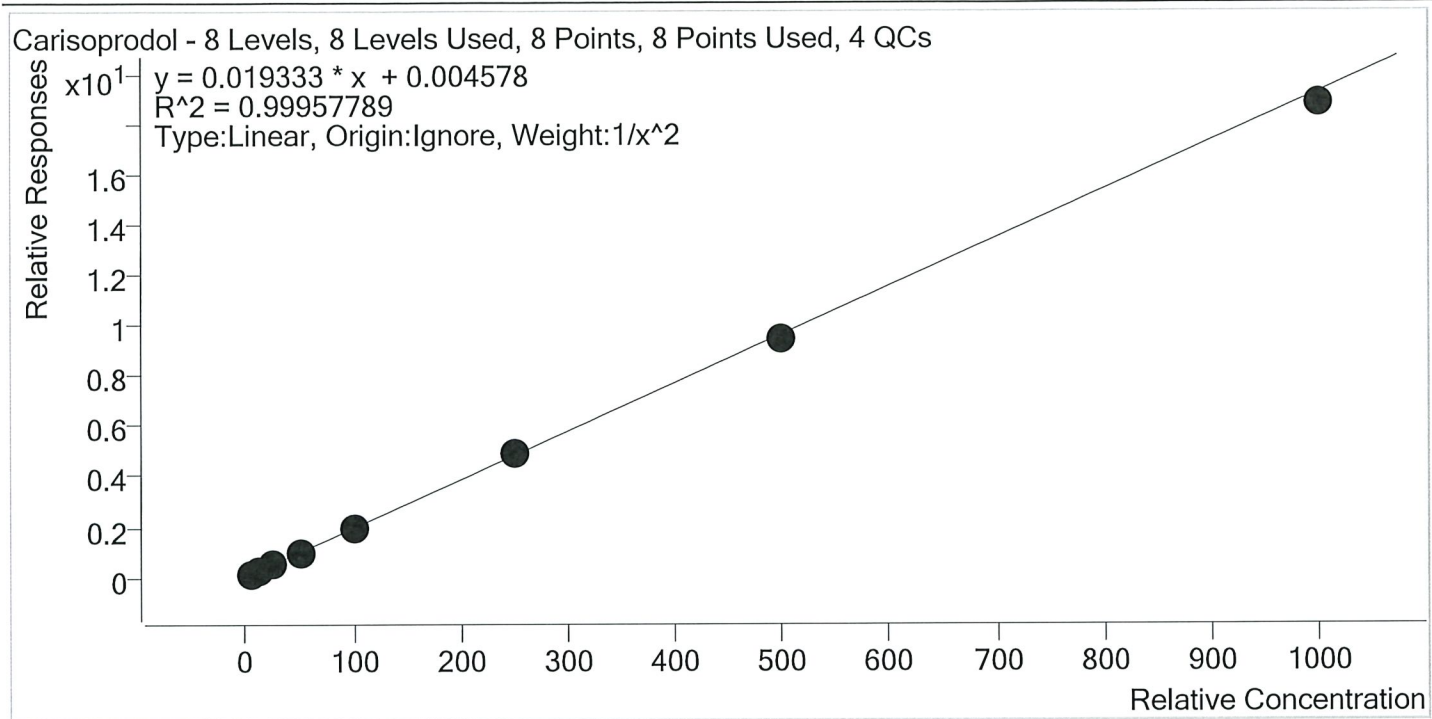Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
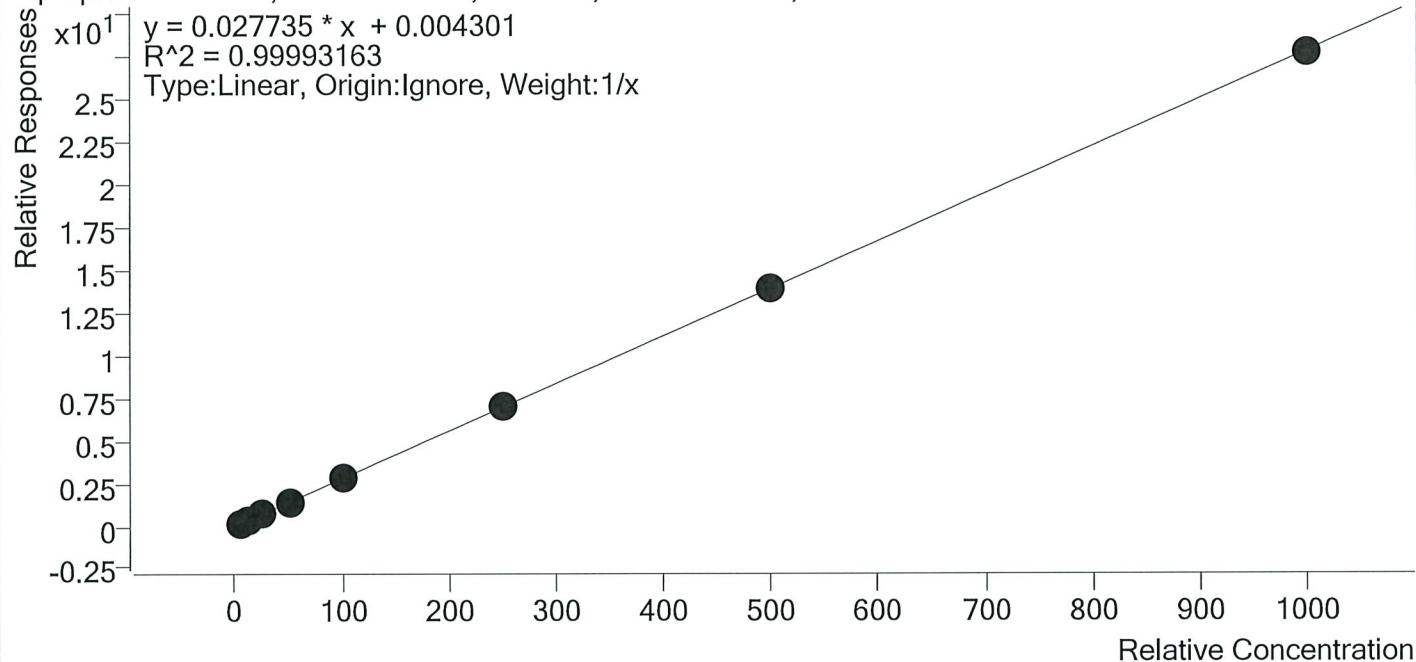
$y = 0.027735 * x + 0.004301$

$R^2 = 0.99993163$

Type:Linear, Origin:Ignore, Weight:1/x

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	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	499.6	99.9
p1 Cal 8-1000ng	8	✓	1000.0	996.1	99.6

Generated at 10:13 AM on 3/4/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Carisoprodol

Internal Standard Carisoprodol-D7

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

$y = 0.019333 * x + 0.004578$
$R^2 = 0.99957789$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

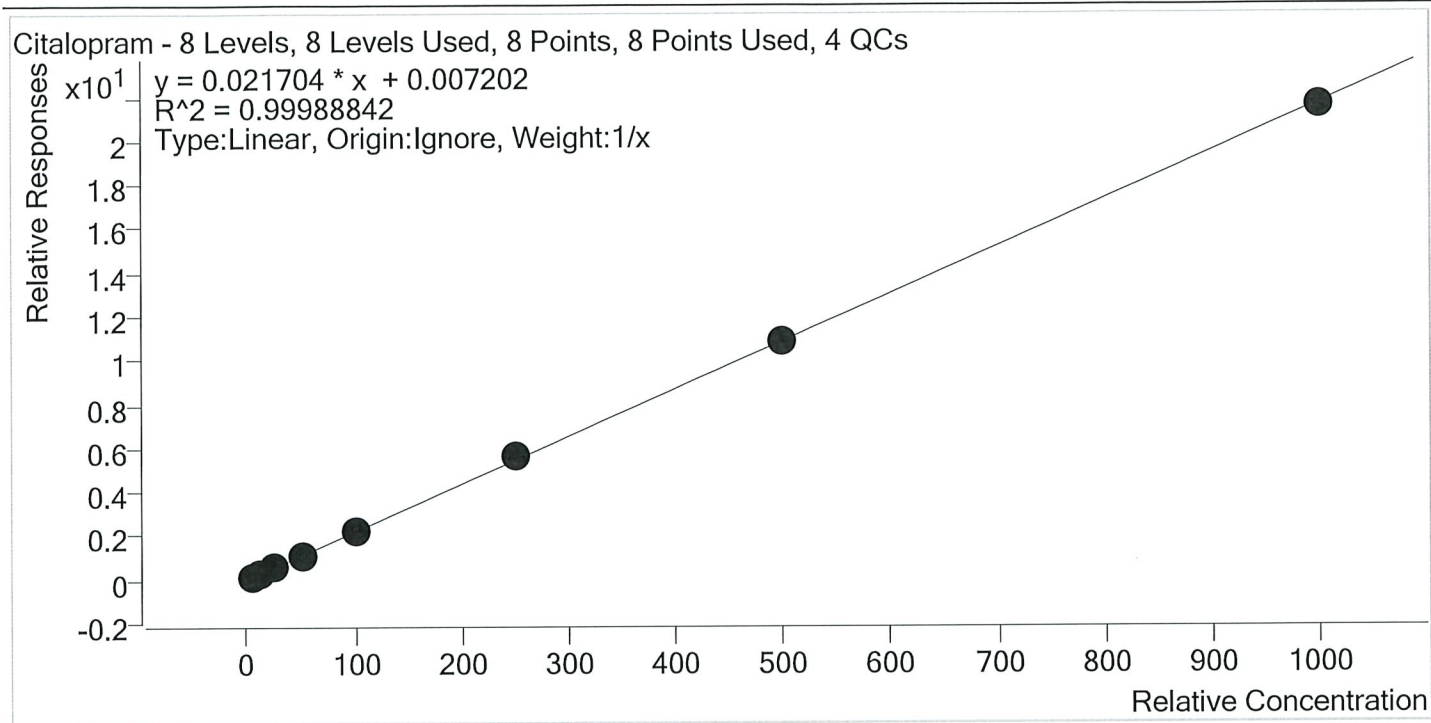| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.6
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	492.2	98.4
p1 Cal 8-1000ng	8	✓	1000.0	976.4	97.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update 3/4/2020 10:11 AM

Analyst Name ISP\datastor

**Analyte** Citalopram   **Internal Standard** Citalopram-D6

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

$y = 0.021704 * x + 0.007202$
$R^2 = 0.99988842$
Type:Linear, Origin:Ignore, Weight:1/x

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	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	256.4	102.6
p1 Cal 7-500ng	7	✓	500.0	499.2	99.8
p1 Cal 8-1000ng	8	✓	1000.0	995.0	99.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045
TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update   3/4/2020 10:11 AM

Analyst Name   ISP\datastor

Analyte   Clonazepam   **Internal Standard**   Clonazepam-D4

Clonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
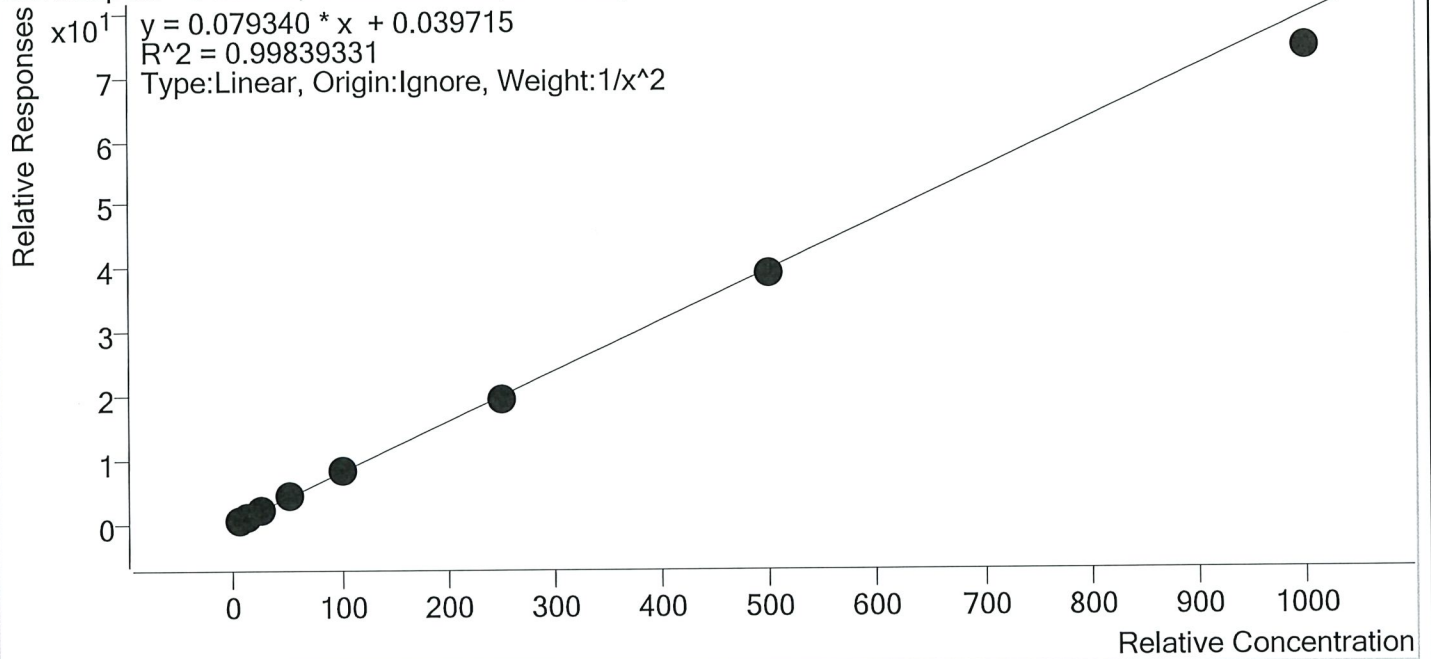
$y = 0.079340 * x + 0.039715$
$R^2 = 0.99839331$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	493.8	98.8
p1 Cal 8-1000ng	8	✓	1000.0	936.1	93.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Cocaine **Internal Standard** Cocaine-d3

Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
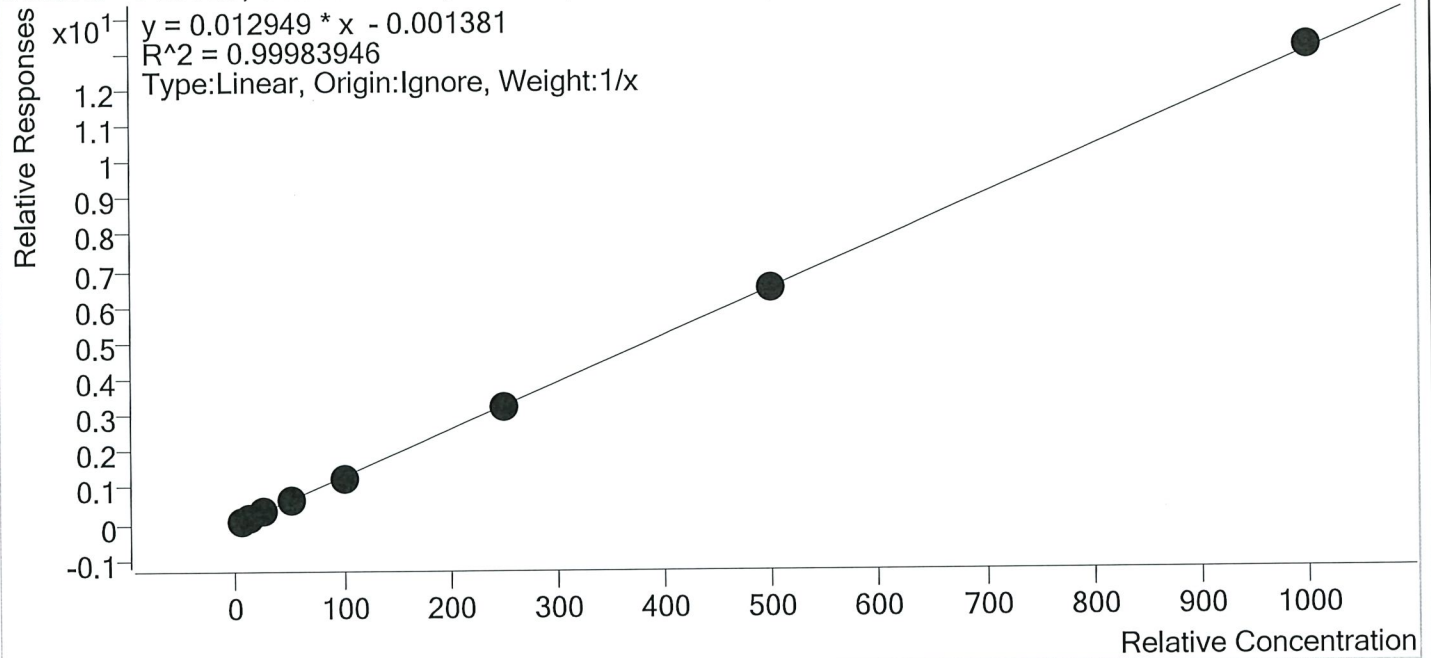
$y = 0.012949 * x - 0.001381$
$R^2 = 0.99983946$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	248.9	99.5
p1 Cal 7-500ng	7	✓	500.0	496.3	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1008.9	100.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Analyte　　　Codeine　　　　　　　　　　　　**Internal Standard**　　　Codeine-D6

Codeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
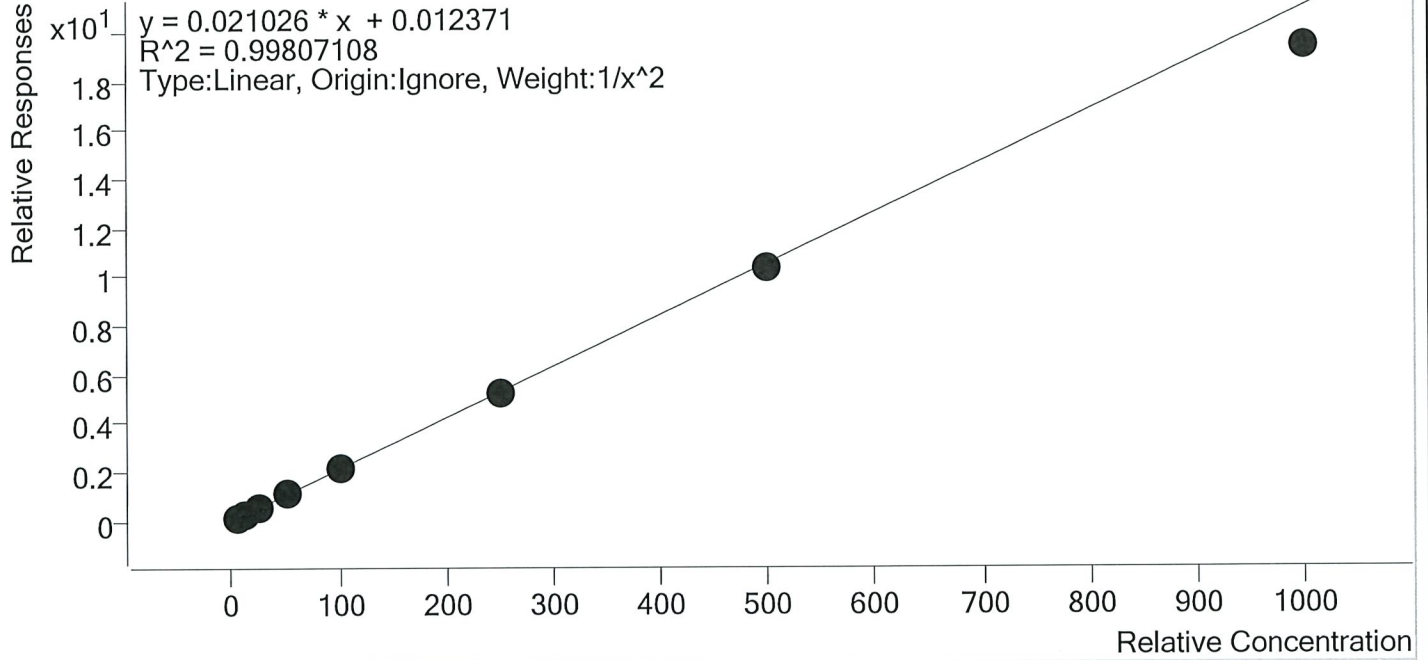
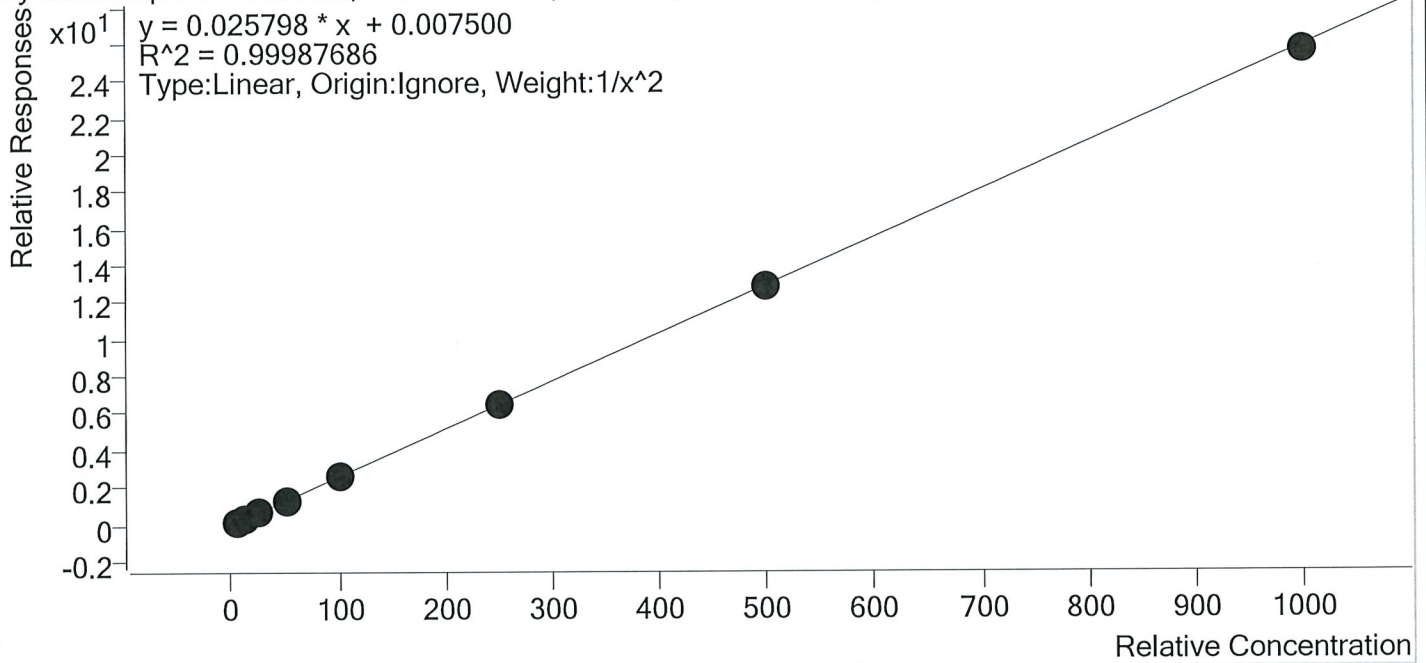$y = 0.021026 * x + 0.012371$

$R^2 = 0.99807108$

Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	493.9	98.8
p1 Cal 8-1000ng	8	✓	1000.0	921.9	92.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update   3/4/2020 10:11 AM

Analyst Name   ISP\datastor

Analyte   Cyclobenzaprine   **Internal Standard**   Cyclobenzaprine-D3

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

$y = 0.025798 * x + 0.007500$
$R^2 = 0.99987686$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	499.6	99.9
p1 Cal 8-1000ng	8	✓	1000.0	990.4	99.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Dextromethorphan **Internal Standard** Dextromethorphan-D3

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
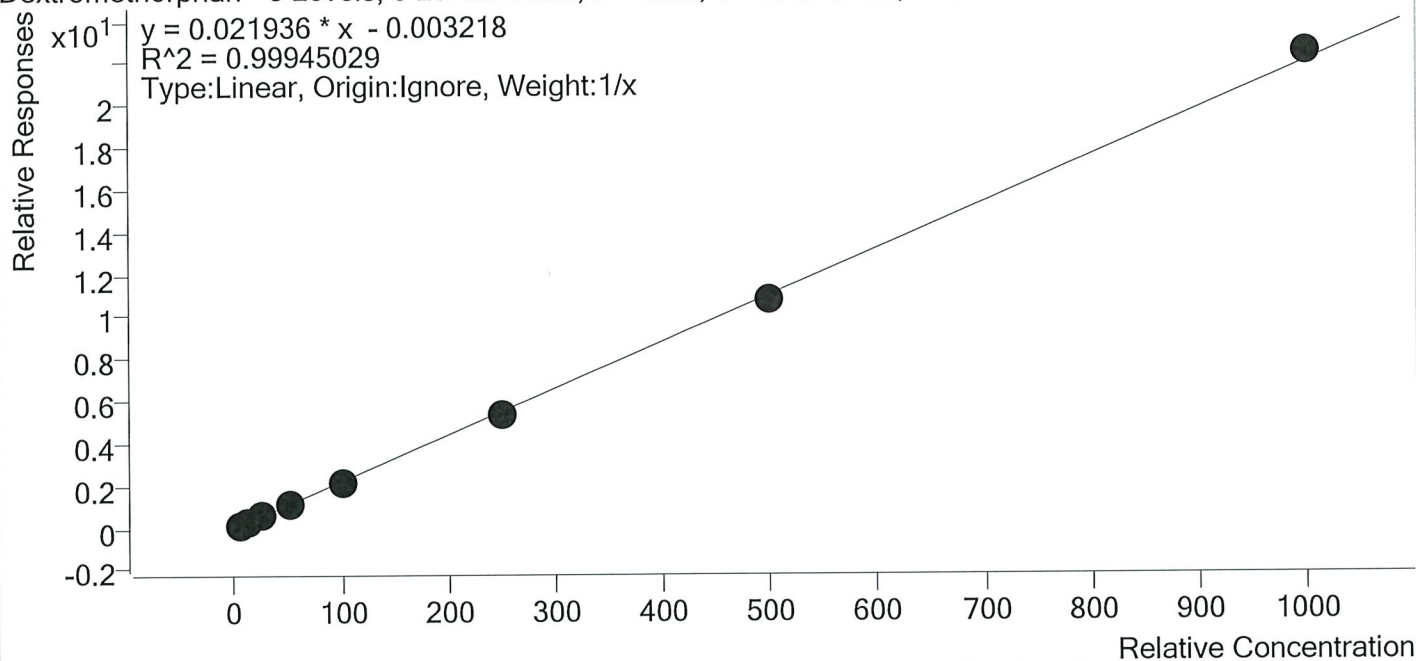
$y = 0.021936 * x - 0.003218$
$R^2 = 0.99945029$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng	7	✓	500.0	488.7	97.7
p1 Cal 8-1000ng	8	✓	1000.0	1020.2	102.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update 3/4/2020 10:11 AM

Analyst Name ISP\datastor

Analyte Dextrorphan   **Internal Standard** Dextrorphan-D3

Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
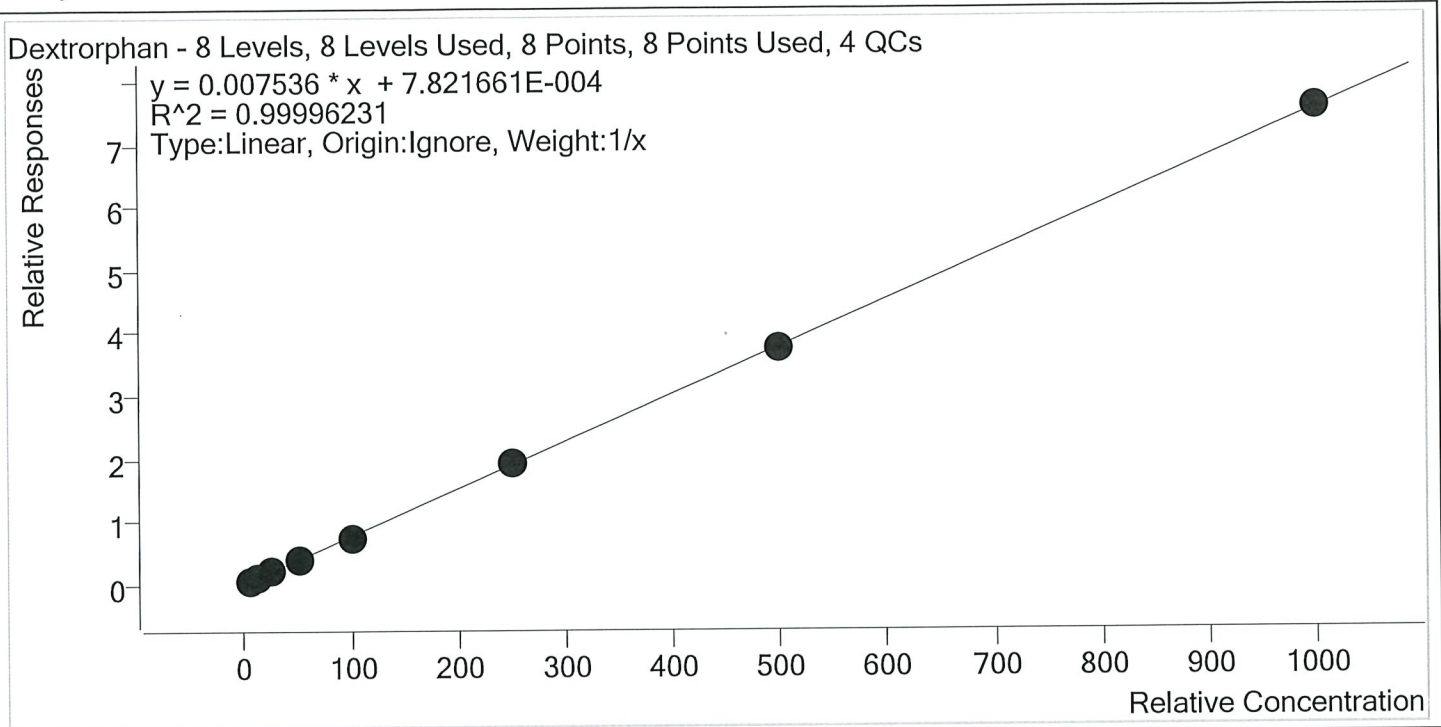
$y = 0.007536 * x + 7.821661E\text{-}004$
$R^2 = 0.99996231$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1002.7	100.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045
TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update   3/4/2020 10:11 AM

Analyst Name   ISP\datastor

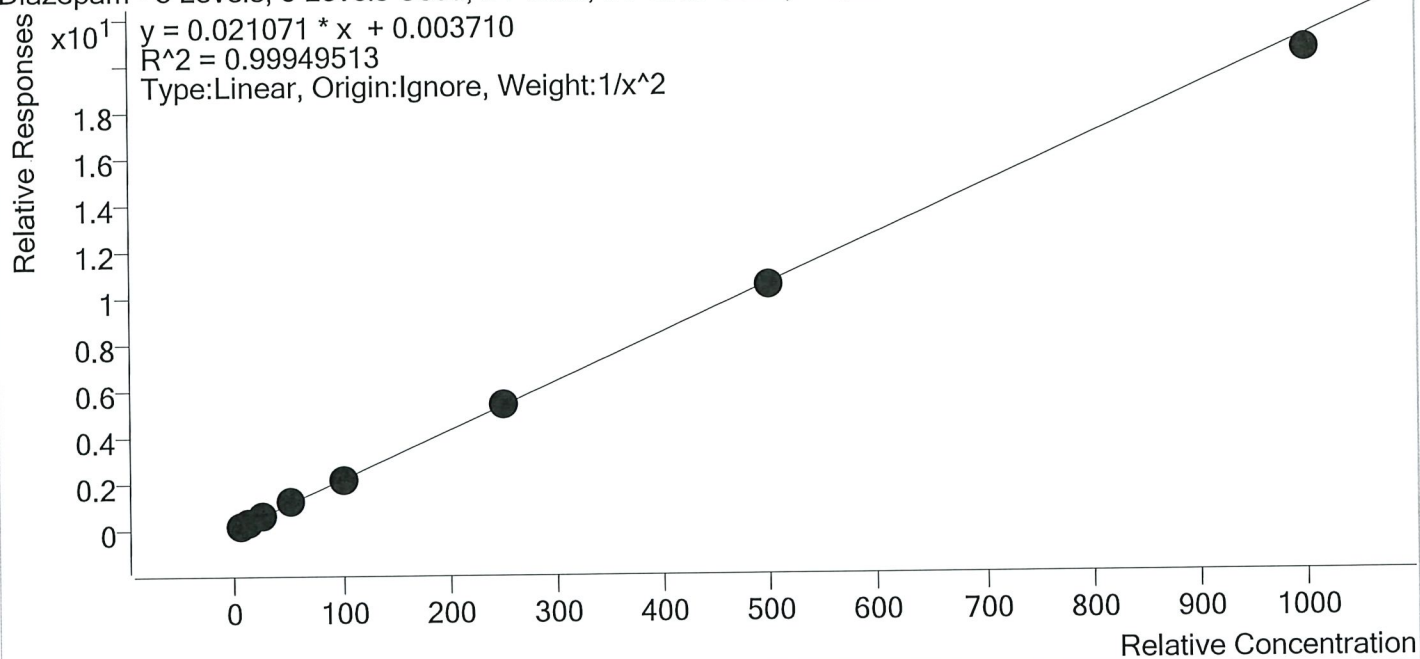**Analyte**   Diazepam   **Internal Standard**   Diazepam-D5

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

$y = 0.021071 * x + 0.003710$
$R^2 = 0.99949513$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	970.3	97.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Dihydrocodeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
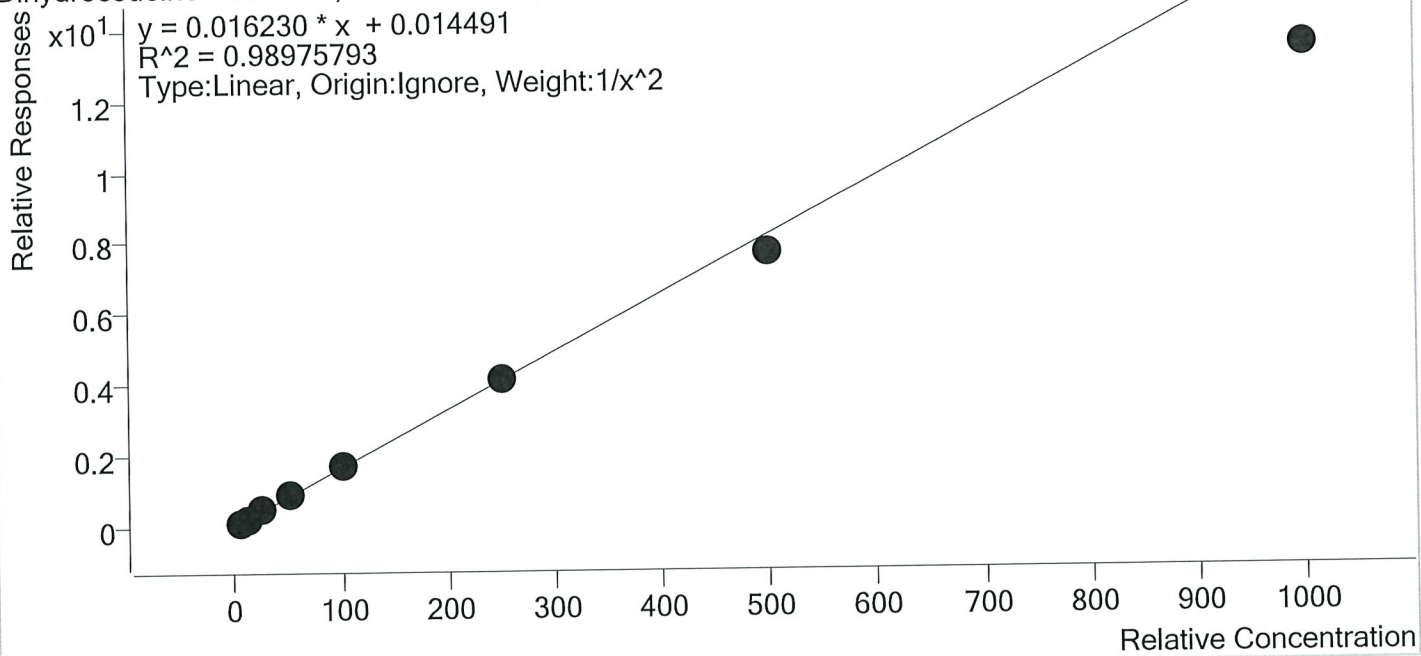
$y = 0.016230 * x + 0.014491$
$R^2 = 0.98975793$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	55.0	110.0
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	472.2	94.4
p1 Cal 8-1000ng	8	✓	1000.0	823.0	82.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Diphenhydramine

Internal Standard Diphenhydramine-D3
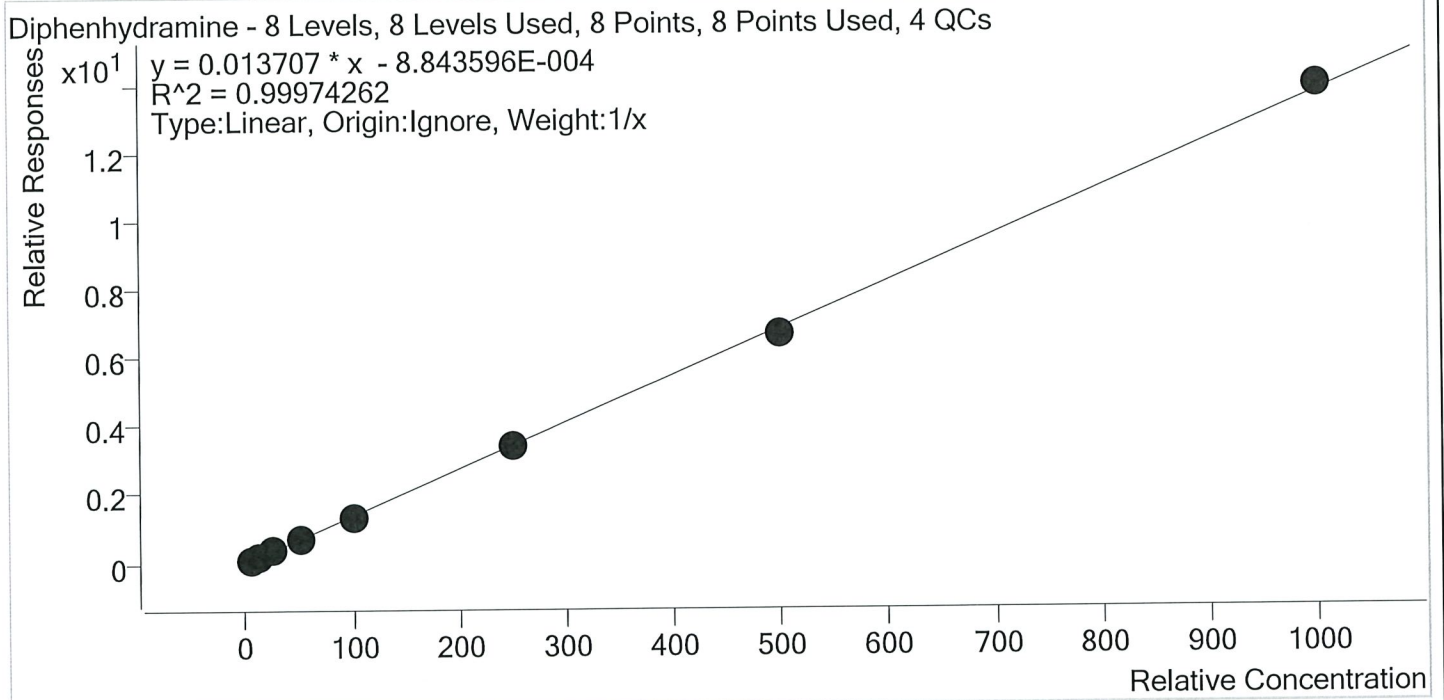
Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.013707 * x - 8.843596E\text{-}004$
$R^2 = 0.99974262$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	490.5	98.1
p1 Cal 8-1000ng	8	✓	1000.0	1014.1	101.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Doxylamine **Internal Standard** Doxylamine-D5

Doxylamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
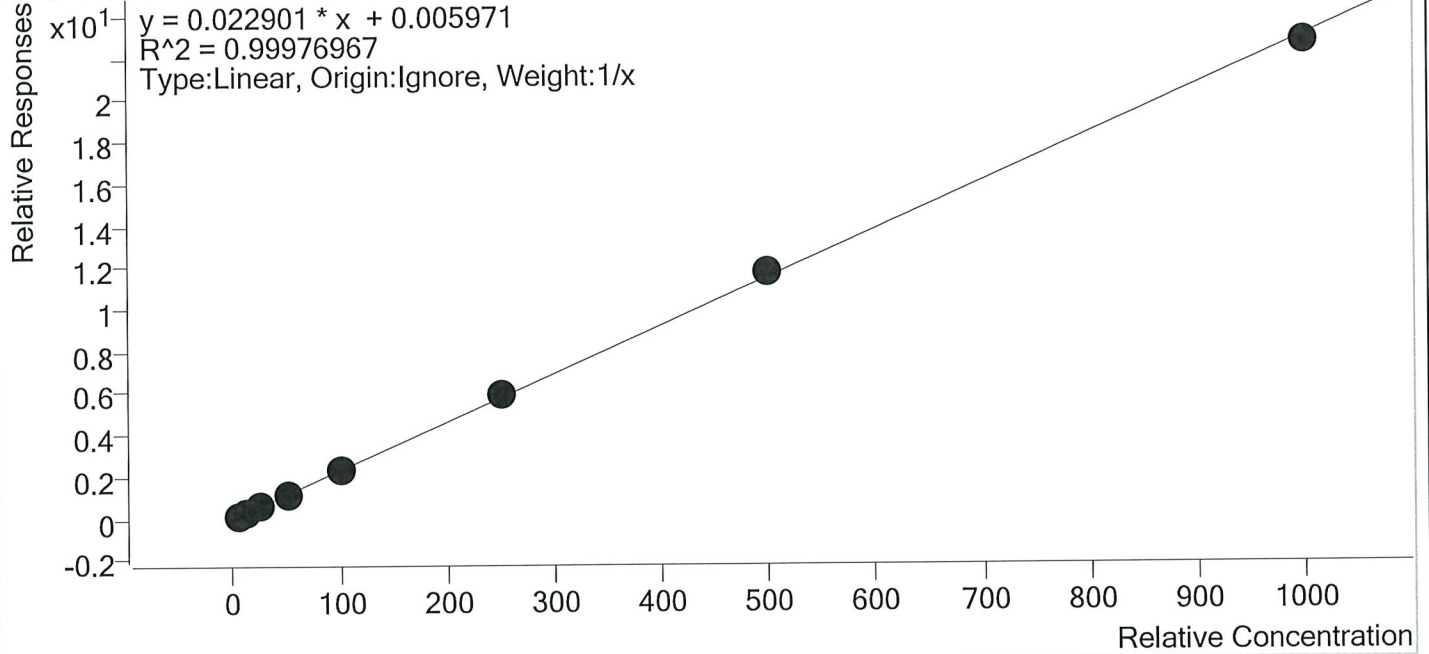
$y = 0.022901 * x + 0.005971$
$R^2 = 0.99976967$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	507.7	101.5
p1 Cal 8-1000ng	8	✓	1000.0	987.4	98.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	EDDP

Internal Standard   EDDP-D3

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
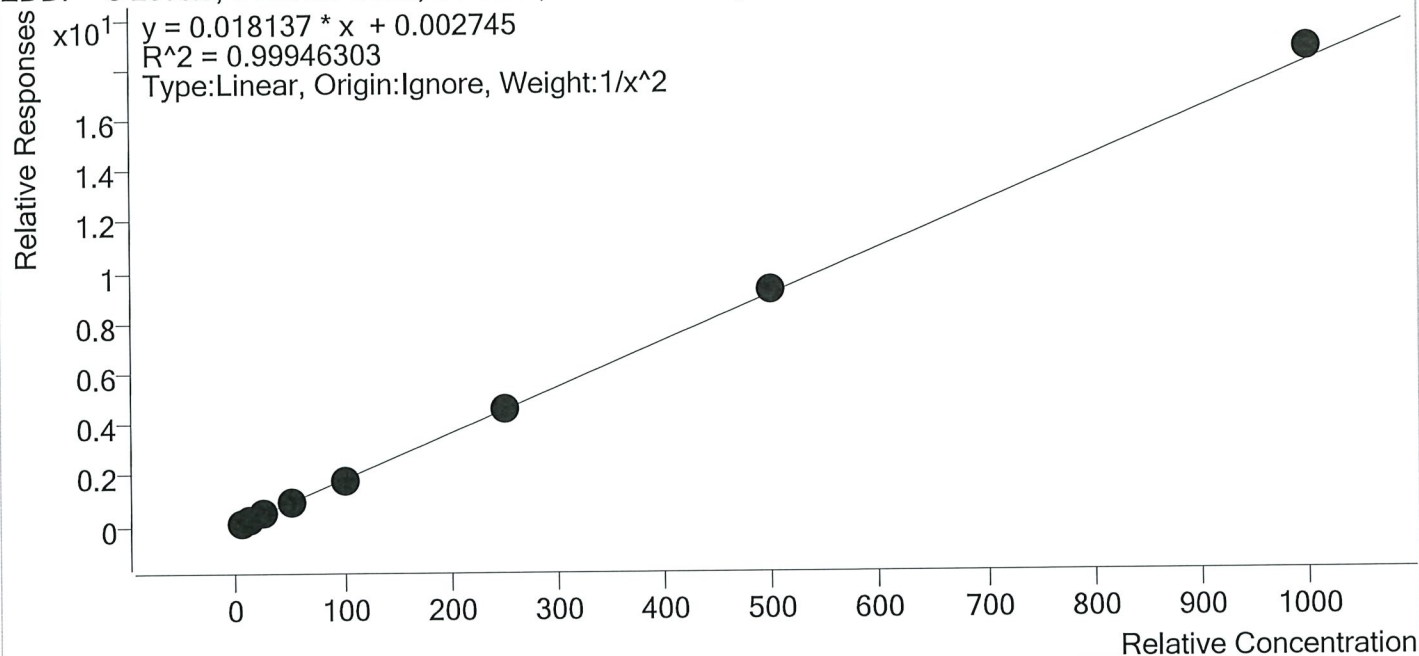
$y = 0.018137 * x + 0.002745$
$R^2 = 0.99946303$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	507.3	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1029.2	102.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Fentanyl

Internal Standard   Fentanyl-D5
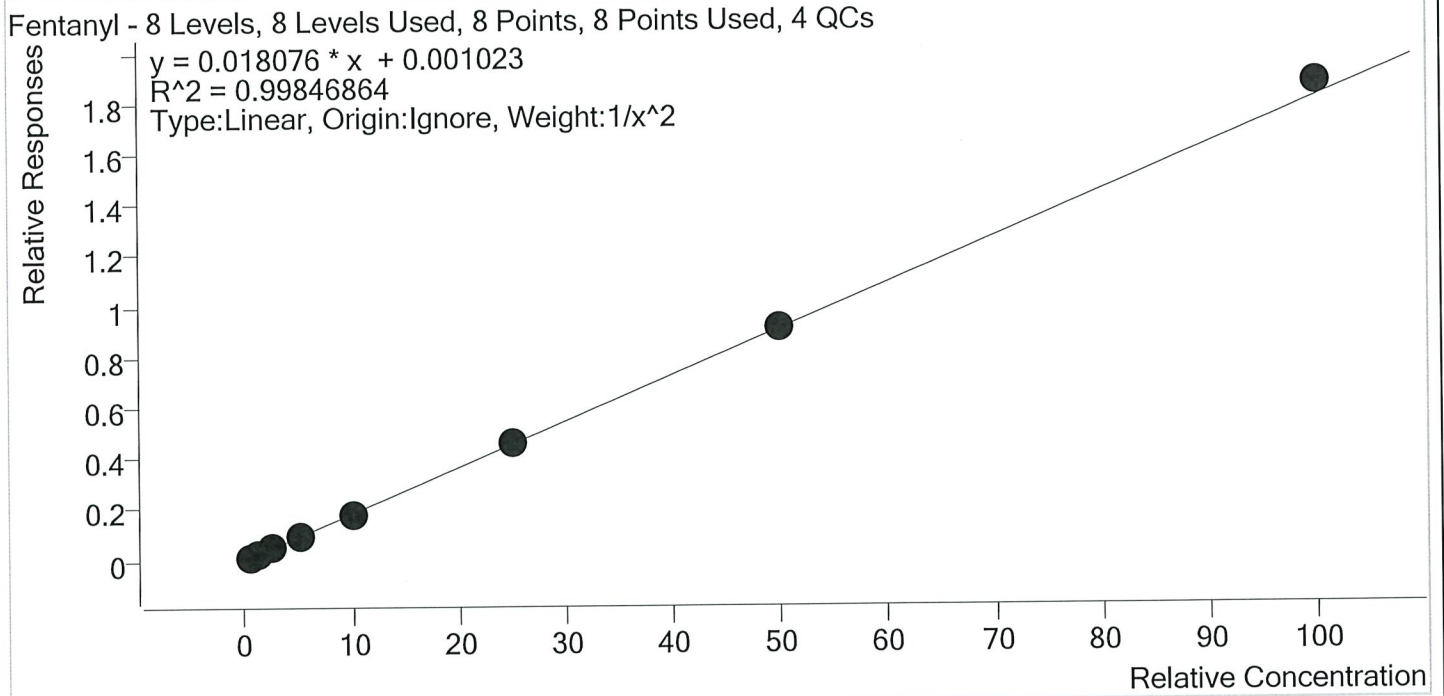
Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018076 * x + 0.001023$
$R^2 = 0.99846864$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.6
p1 Cal 2- 10ng	2	✓	1.0	0.9	93.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.4
p1 Cal 4-50ng	4	✓	5.0	5.0	100.7
p1 Cal 5-100ng	5	✓	10.0	9.8	97.7
p1 Cal 6-250ng	6	✓	25.0	25.3	101.1
p1 Cal 7-500ng	7	✓	50.0	50.6	101.2
p1 Cal 8-1000ng	8	✓	100.0	103.2	103.2

Generated at 10:13 AM on 3/4/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Fluoxetine

Internal Standard   Fluoxetine-D6

Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
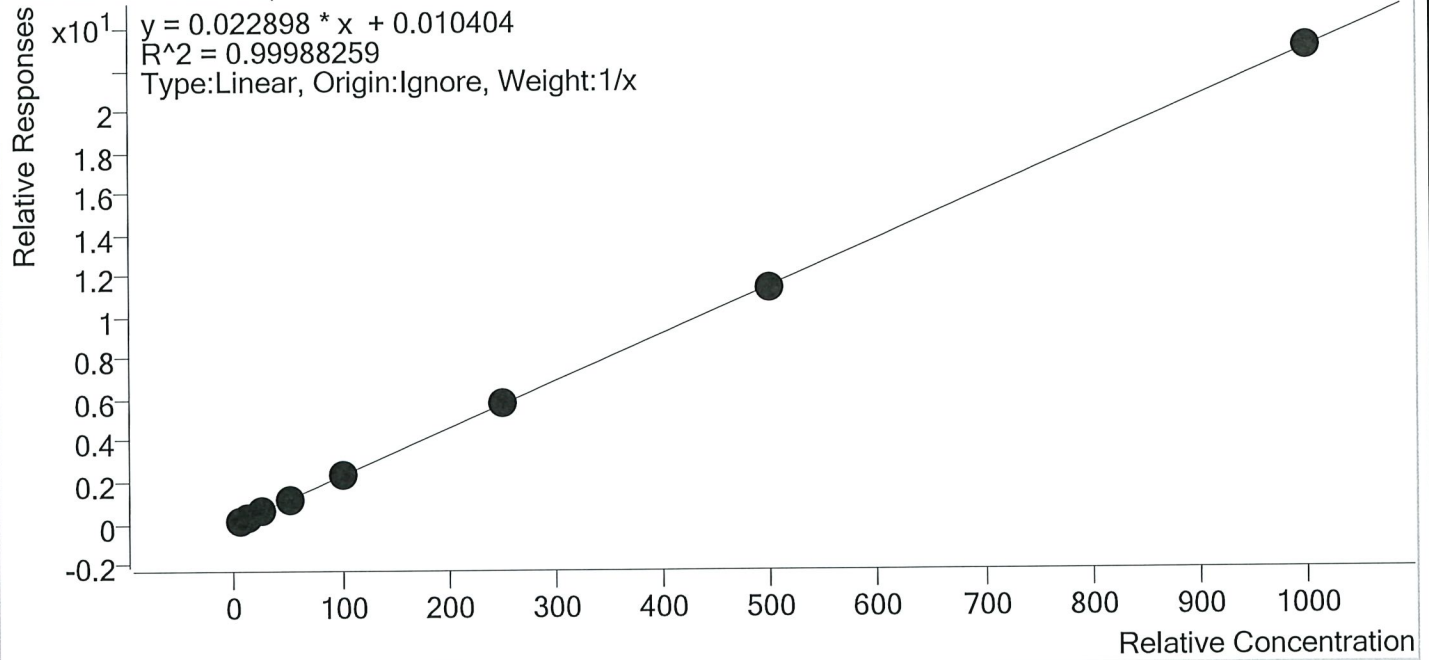
$y = 0.022898 * x + 0.010404$
$R^2 = 0.99988259$
Type:Linear, Origin:Ignore, Weight:1/x

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	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	493.4	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1001.9	100.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor

Analyte	Hydrocodone	**Internal Standard**	Hydrocodone-D6

Hydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
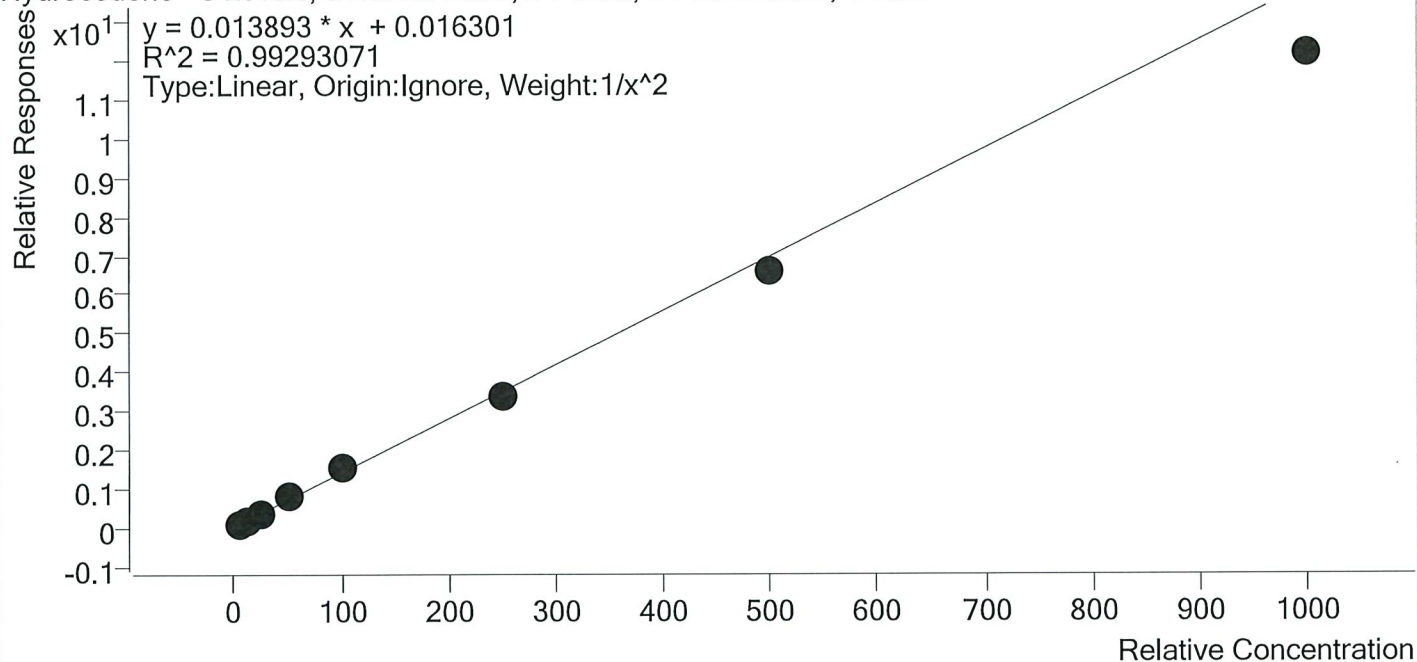
$y = 0.013893 * x + 0.016301$
$R^2 = 0.99293071$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	97.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	107.2	107.2
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	473.2	94.6
p1 Cal 8-1000ng	8	✓	1000.0	875.2	87.5

Generated at 10:13 AM on 3/4/2020

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Hydromorphone

Internal Standard   Hydromorphone-D6

Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
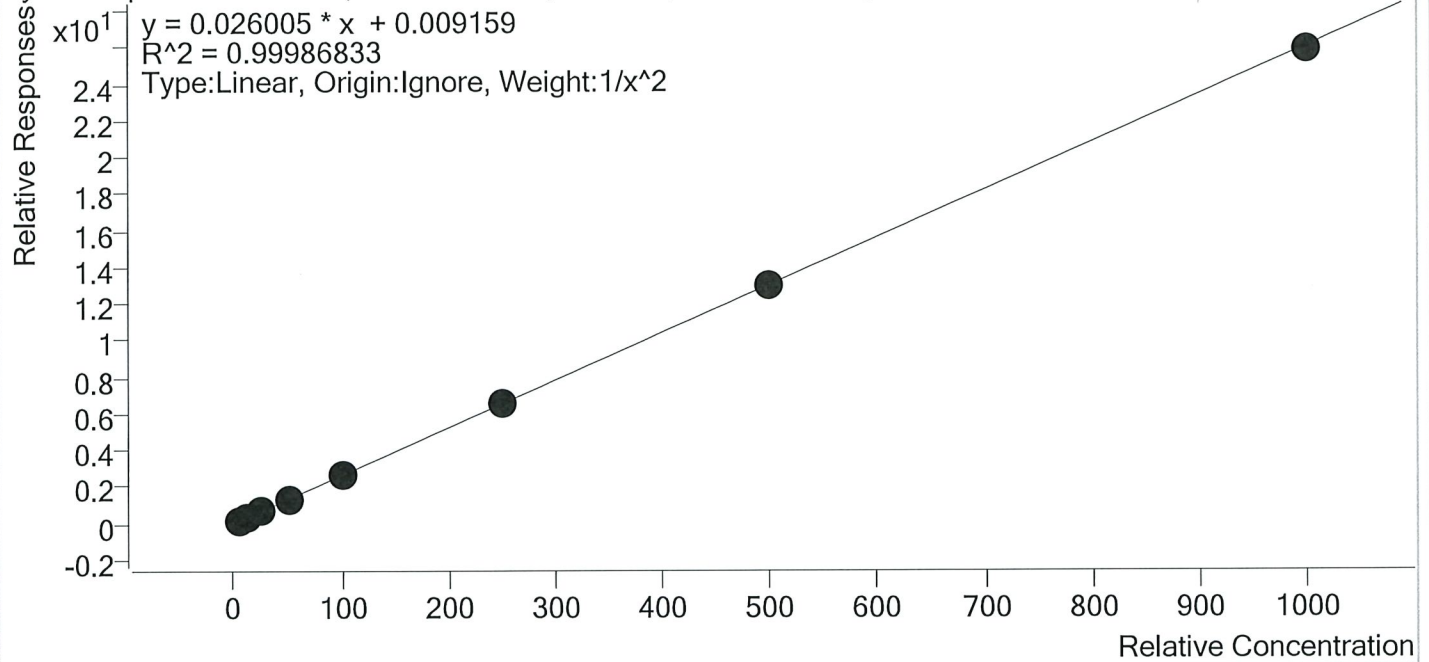
$y = 0.026005 * x + 0.009159$
$R^2 = 0.99986833$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.6	100.7
p1 Cal 7-500ng	7	✓	500.0	497.6	99.5
p1 Cal 8-1000ng	8	✓	1000.0	992.7	99.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Ketamine

Internal Standard   Ketamine-D4
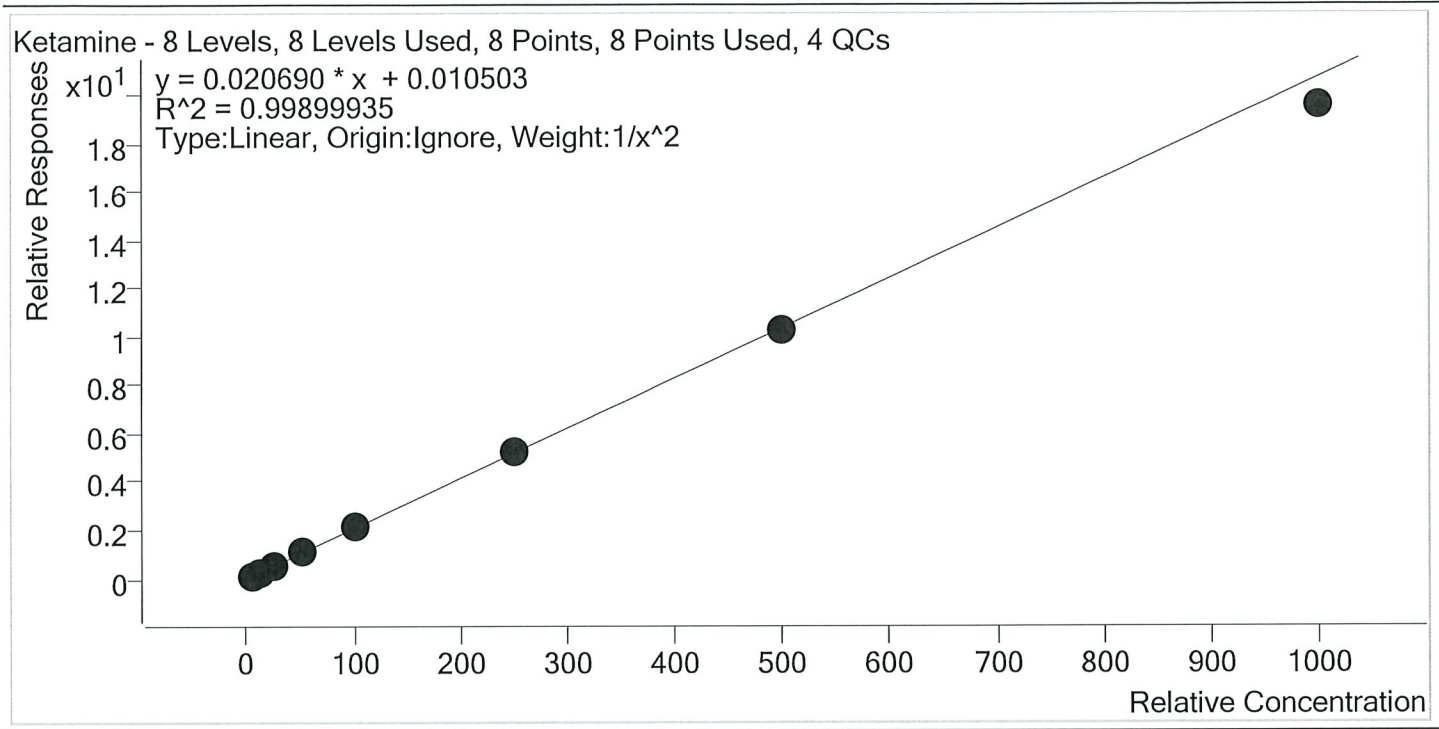
Ketamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.020690 * x + 0.010503$
$R^2 = 0.99899935$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	495.0	99.0
p1 Cal 8-1000ng	8	✓	1000.0	943.7	94.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Lamotrigine
Internal Standard	Ketamine-D4
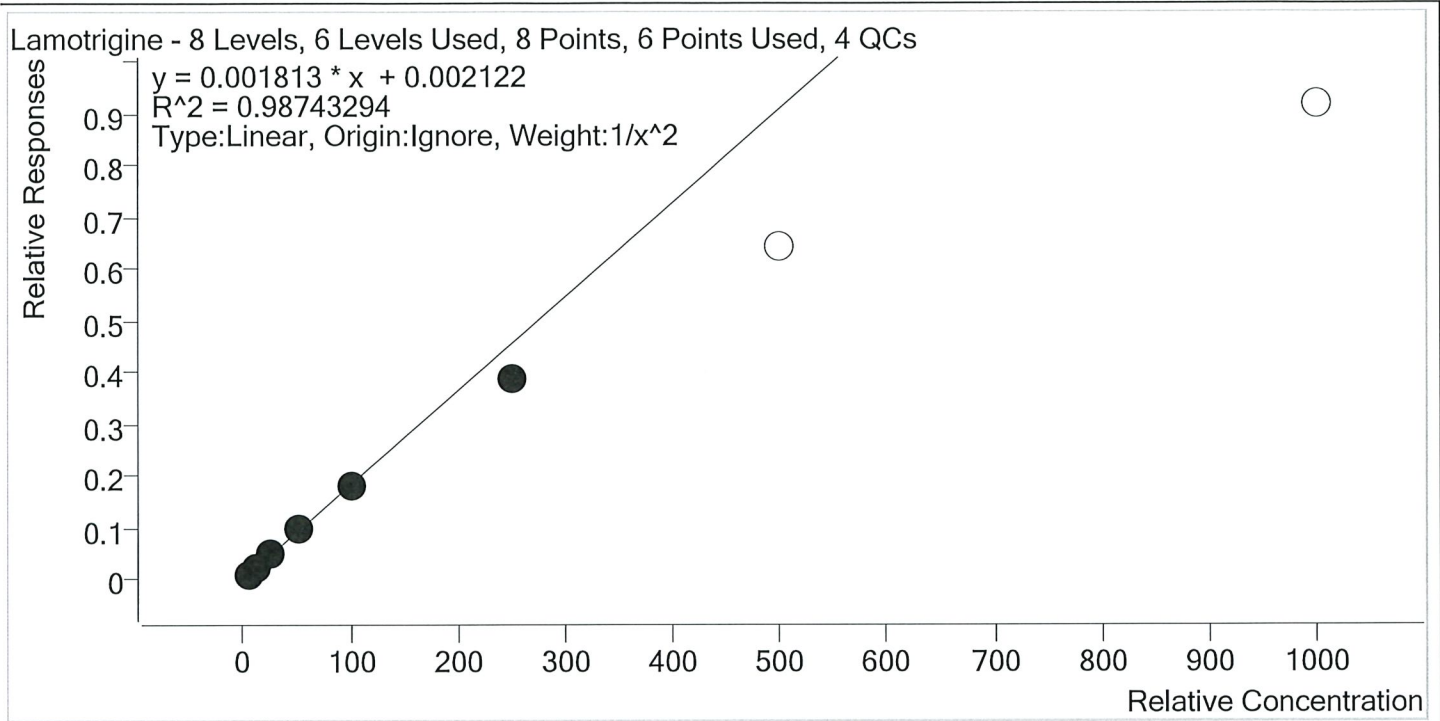
Lamotrigine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs

$y = 0.001813 * x + 0.002122$
$R^2 = 0.98743294$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2- 10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.8
p1 Cal 4-50ng	4	✓	50.0	53.3	106.7
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	213.0	85.2
p1 Cal 7-500ng	7	✗	500.0	353.0	70.6
p1 Cal 8-1000ng	8	✗	1000.0	504.5	50.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Lorazepam

Internal Standard   Clonazepam-D4
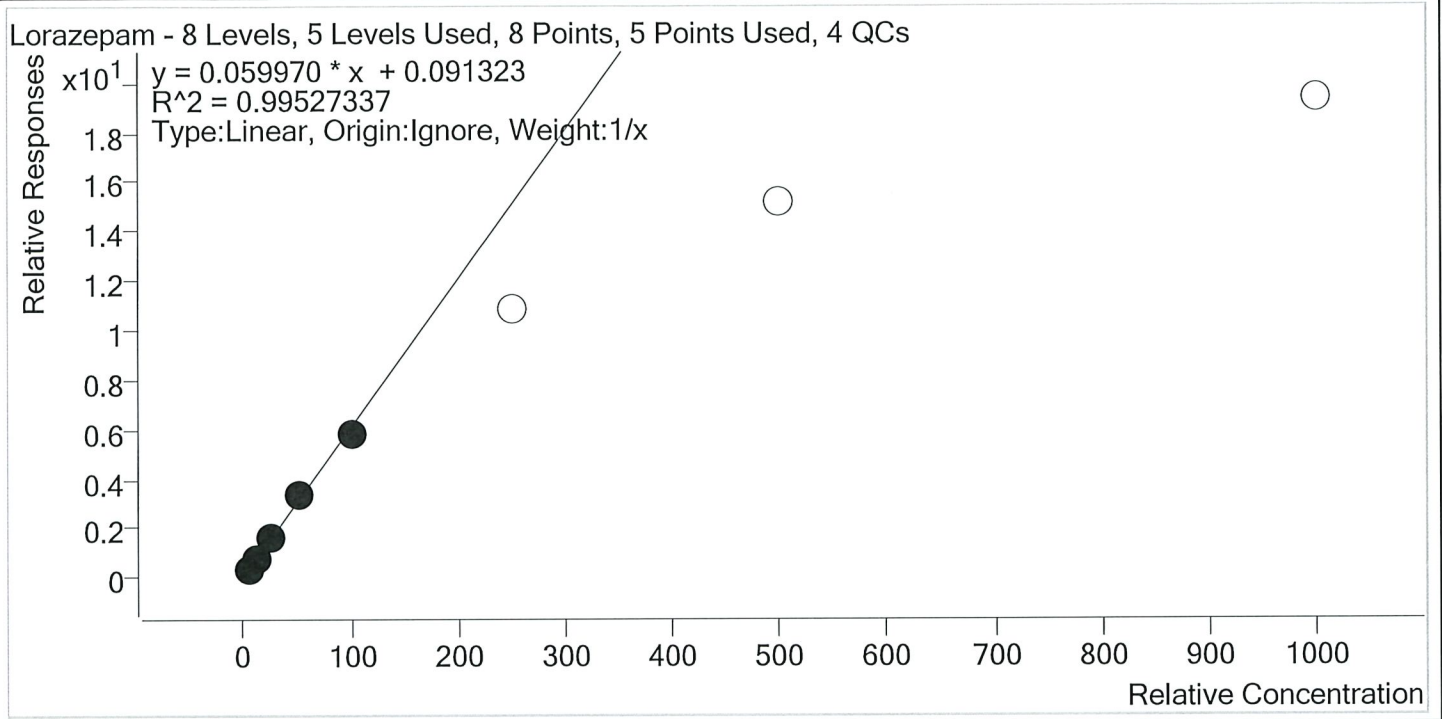
Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs

$y = 0.059970 * x + 0.091323$
$R^2 = 0.99527337$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	89.0
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✗	250.0	178.7	71.5
p1 Cal 7-500ng	7	✗	500.0	252.6	50.5
p1 Cal 8-1000ng	8	✗	1000.0	321.2	32.1

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Meprobamate

Internal Standard   Meprobamate-D7

Meprobamate - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
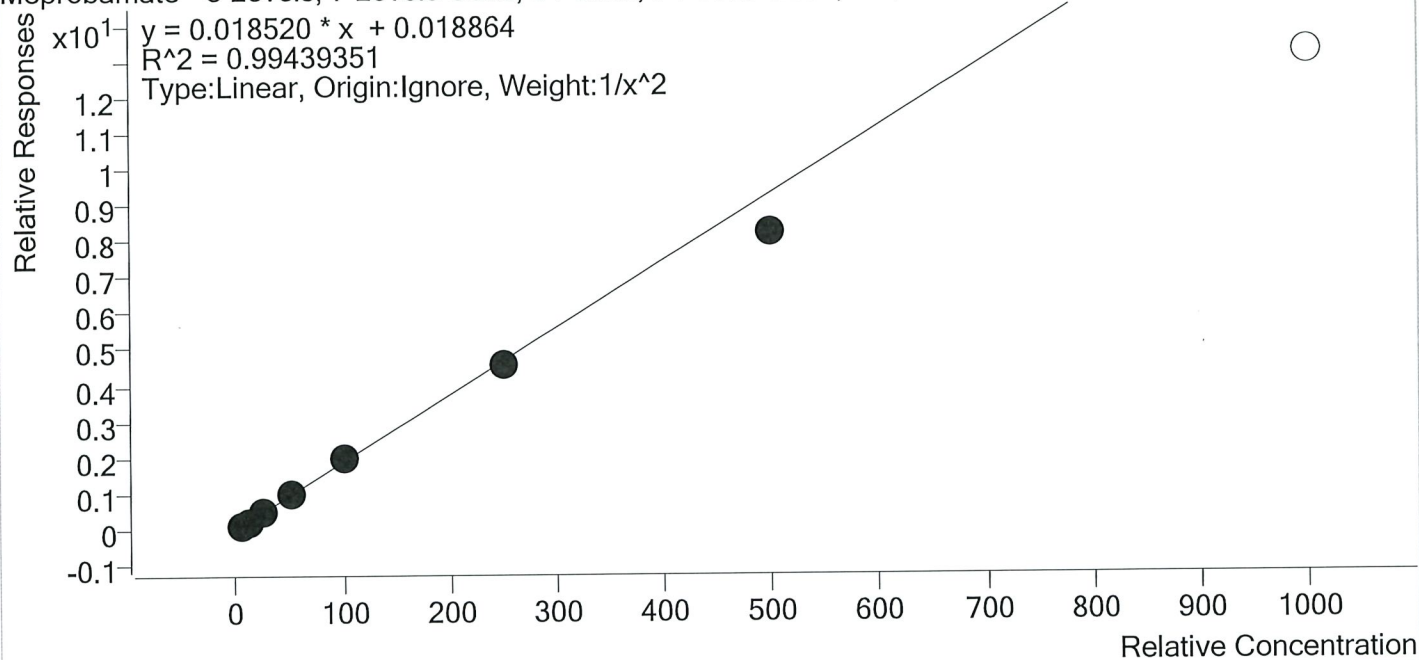
$y = 0.018520 * x + 0.018864$
$R^2 = 0.99439351$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	53.4	106.7
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	243.5	97.4
p1 Cal 7-500ng	7	✓	500.0	440.5	88.1
p1 Cal 8-1000ng	8	✗	1000.0	708.7	70.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update   3/4/2020 10:11 AM

Analyst Name   ISP\datastor

**Analyte**   Methadone   **Internal Standard**   Methadone-D9

Methadone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
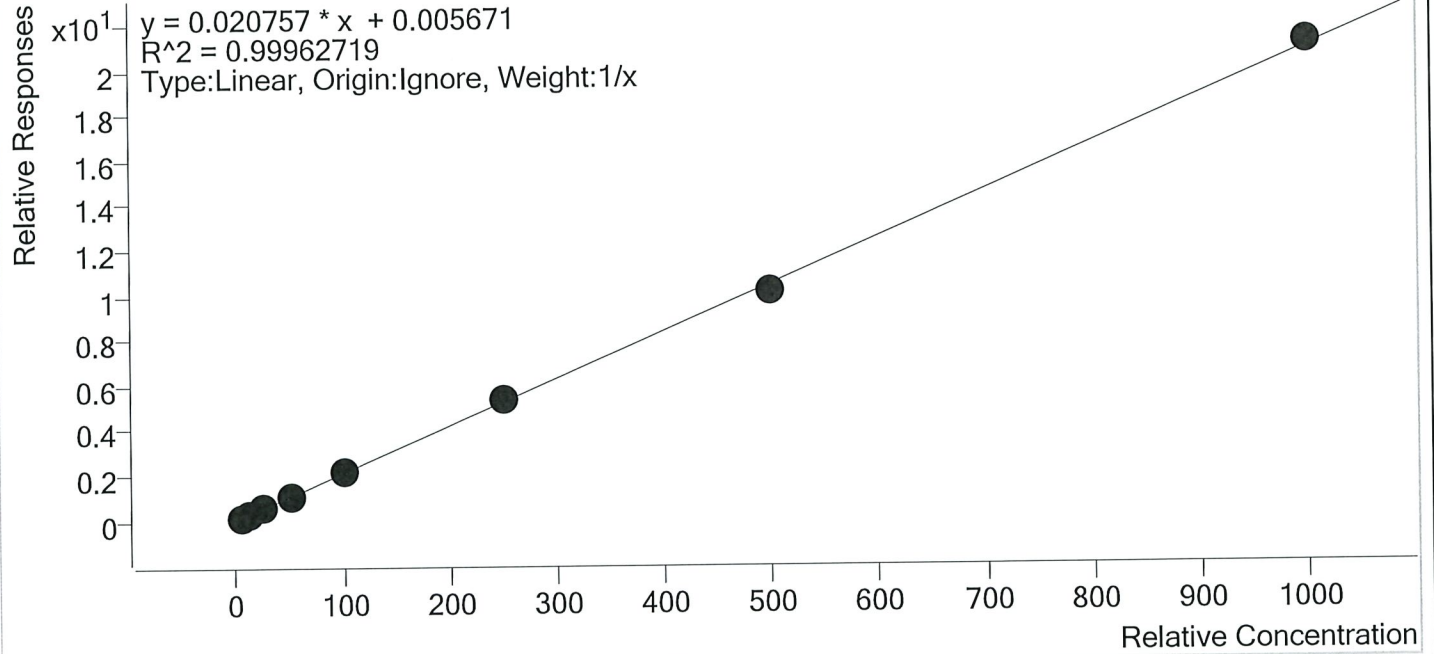
$y = 0.020757 * x + 0.005671$
$R^2 = 0.99962719$
Type:Linear, Origin:Ignore, Weight:1/x

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	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	484.7	96.9
p1 Cal 8-1000ng	8	✓	1000.0	1011.8	101.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Methamphetamine

Internal Standard   Methamphetamine-D11

Methamphetamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
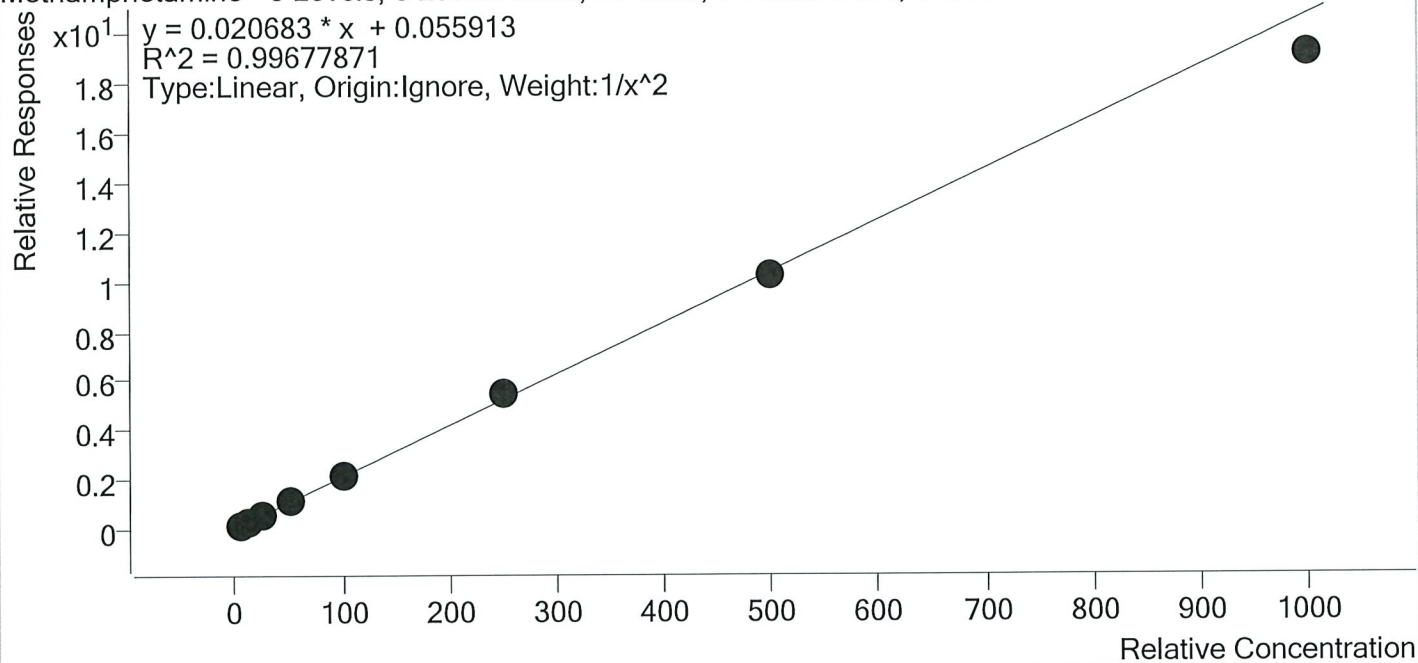
$y = 0.020683 * x + 0.055913$
$R^2 = 0.99677871$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2- 10ng	2	✓	10.0	9.4	93.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	261.9	104.7
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	924.2	92.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Analyte Metoprolol   **Internal Standard** Tramadol-13C-D3
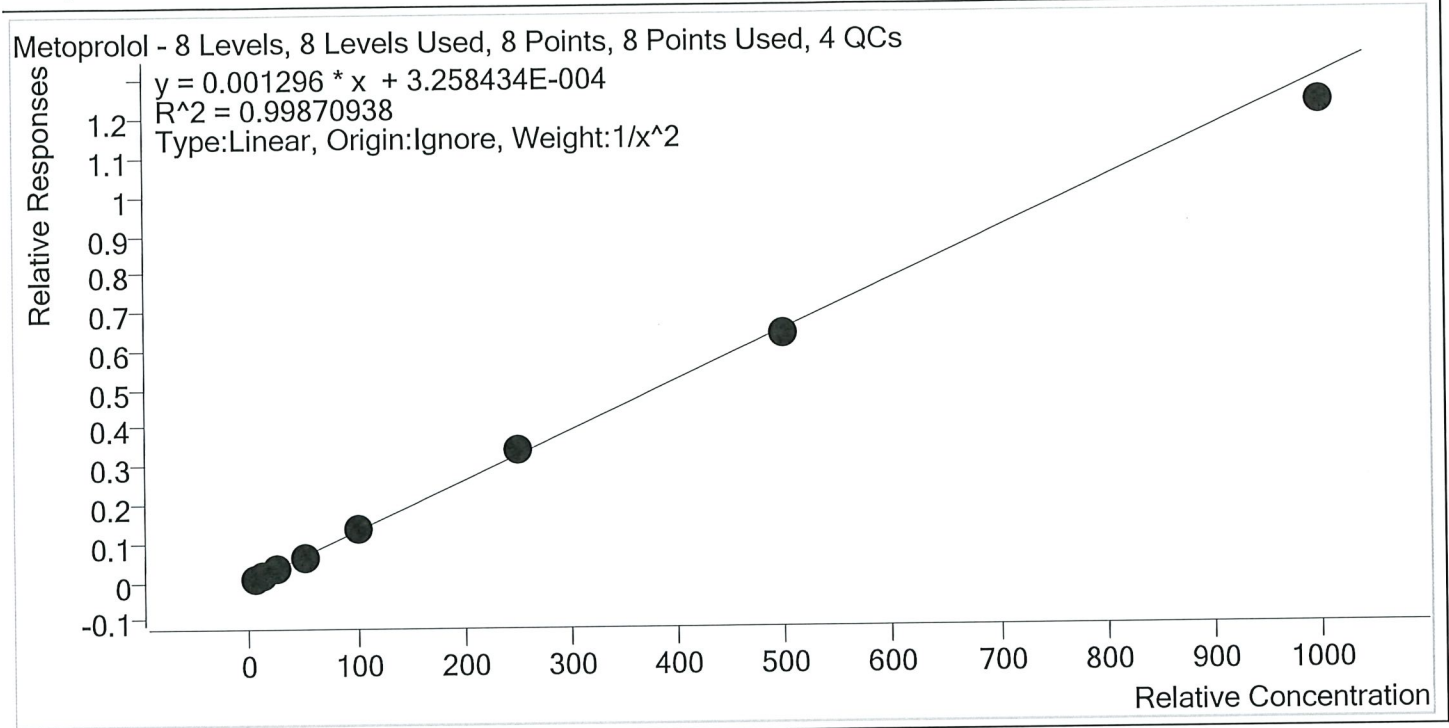
Metoprolol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.001296 * x + 3.258434E\text{-}004$

$R^2 = 0.99870938$

Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	261.8	104.7
p1 Cal 7-500ng	7	✓	500.0	487.4	97.5
p1 Cal 8-1000ng	8	✓	1000.0	947.2	94.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Mirtazapine

Internal Standard   alpha-PVP-d8

Mirtazapine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs
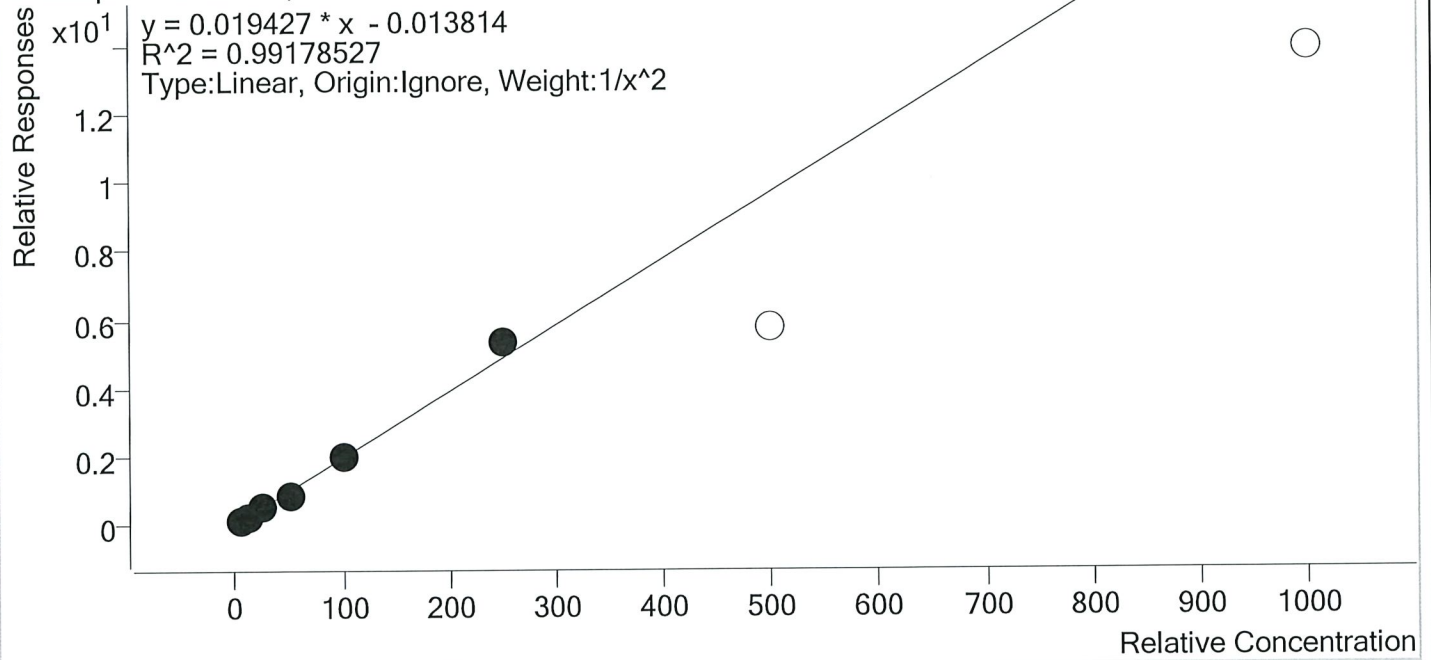
$y = 0.019427 * x - 0.013814$
$R^2 = 0.99178527$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	44.1	88.3
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	276.5	110.6
p1 Cal 7-500ng	7	✗	500.0	296.2	59.2
p1 Cal 8-1000ng	8	✗	1000.0	716.9	71.7

Generated at 10:13 AM on 3/4/2020

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update 3/4/2020 10:11 AM

Analyst Name ISP\datastor

**Analyte** Mitragynine   **Internal Standard**   Methadone-D9

Mitragynine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
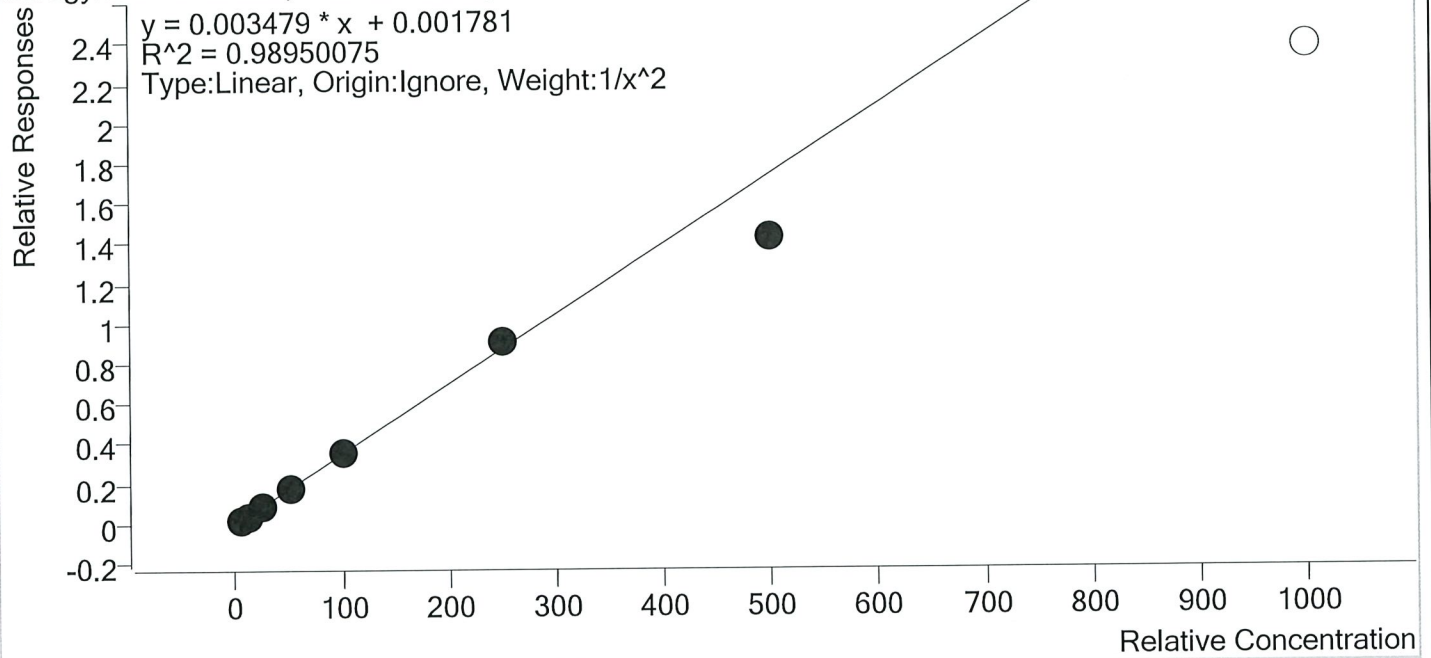
$y = 0.003479 * x + 0.001781$
$R^2 = 0.98950075$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	261.2	104.5
p1 Cal 7-500ng	7	✓	500.0	408.2	81.6
p1 Cal 8-1000ng	8	✗	1000.0	680.6	68.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update 3/4/2020 10:11 AM

Analyst Name ISP\datastor

Analyte Morphine   **Internal Standard** Morphine-D6

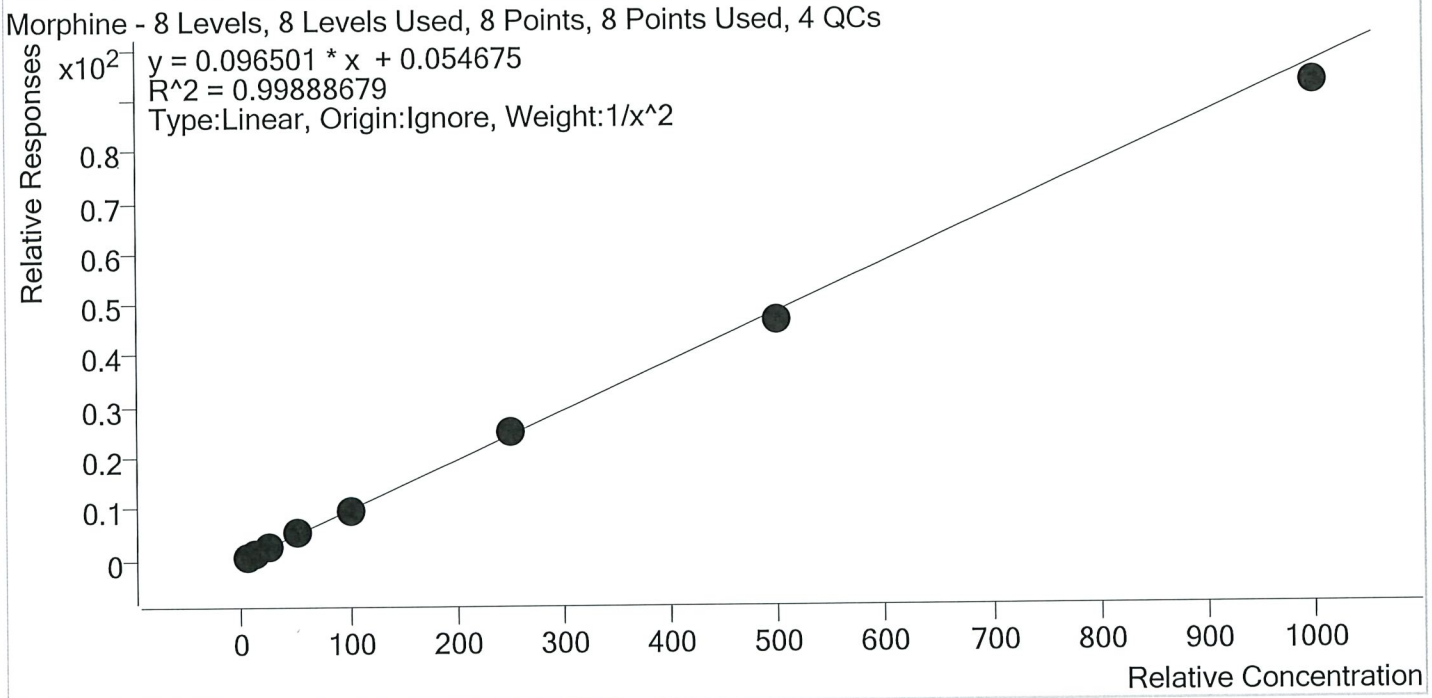Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.096501 * x + 0.054675$
$R^2 = 0.99888679$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	260.5	104.2
p1 Cal 7-500ng	7	✓	500.0	484.5	96.9
p1 Cal 8-1000ng	8	✓	1000.0	959.6	96.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Norbuprenorphine

Internal Standard   Norbuprenorphine-D3

Norbuprenorphine - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 4 QCs

$y = 0.021093 * x - 4.215973E-004$
$R^2 = 0.99610225$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2- 10ng	2	✓	1.0	1.0	101.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.5
p1 Cal 4-50ng	4	✓	5.0	5.1	102.1
p1 Cal 5-100ng	5	✓	10.0	11.0	109.7
p1 Cal 6-250ng	6	✓	25.0	25.2	100.9
p1 Cal 7-500ng	7	✓	50.0	48.8	97.5
p1 Cal 8-1000ng	8	✓	100.0	95.1	95.1

Generated at 10:13 AM on 3/4/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update 3/4/2020 10:11 AM

Analyst Name ISP\datastor

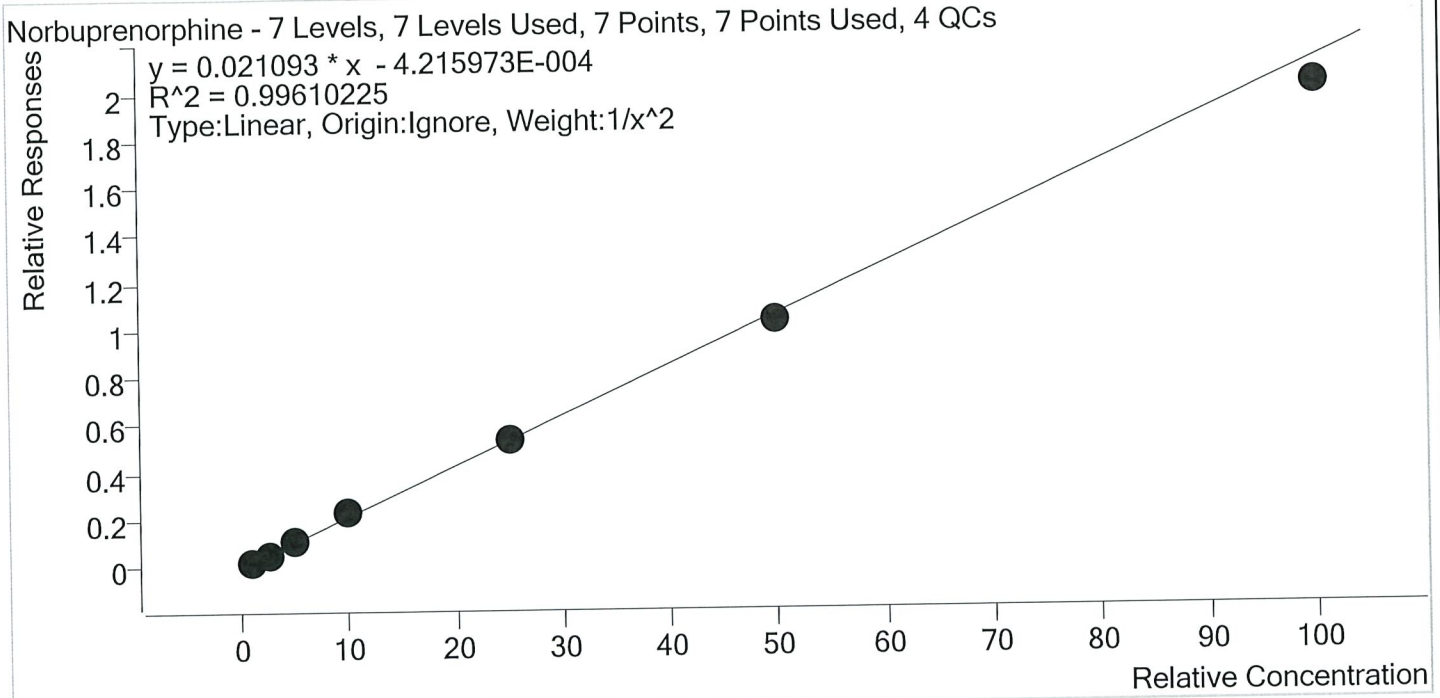**Analyte** Nordiazepam   **Internal Standard** Nordiazepam-D5

Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
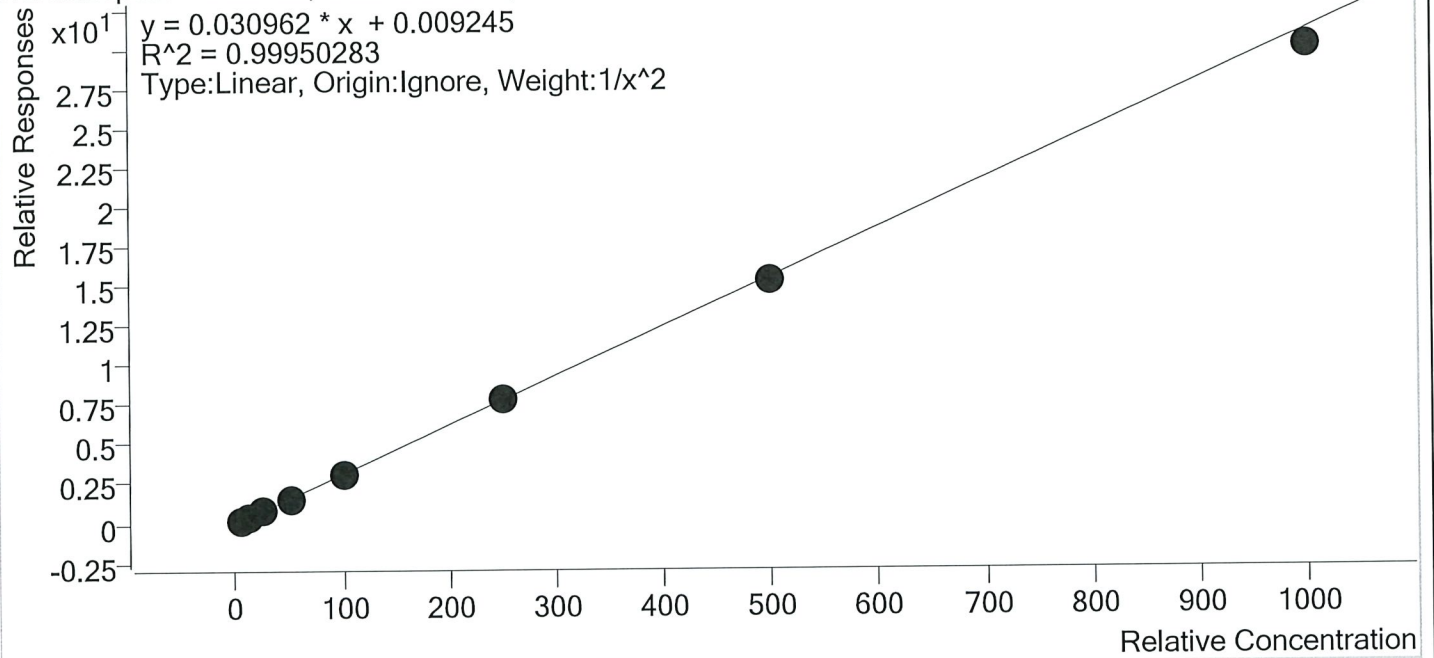
$y = 0.030962 * x + 0.009245$
$R^2 = 0.99950283$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	496.3	99.3
p1 Cal 8-1000ng	8	✓	1000.0	965.9	96.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Norfentanyl

Internal Standard   Norfentanyl-D5

Norfentanyl - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
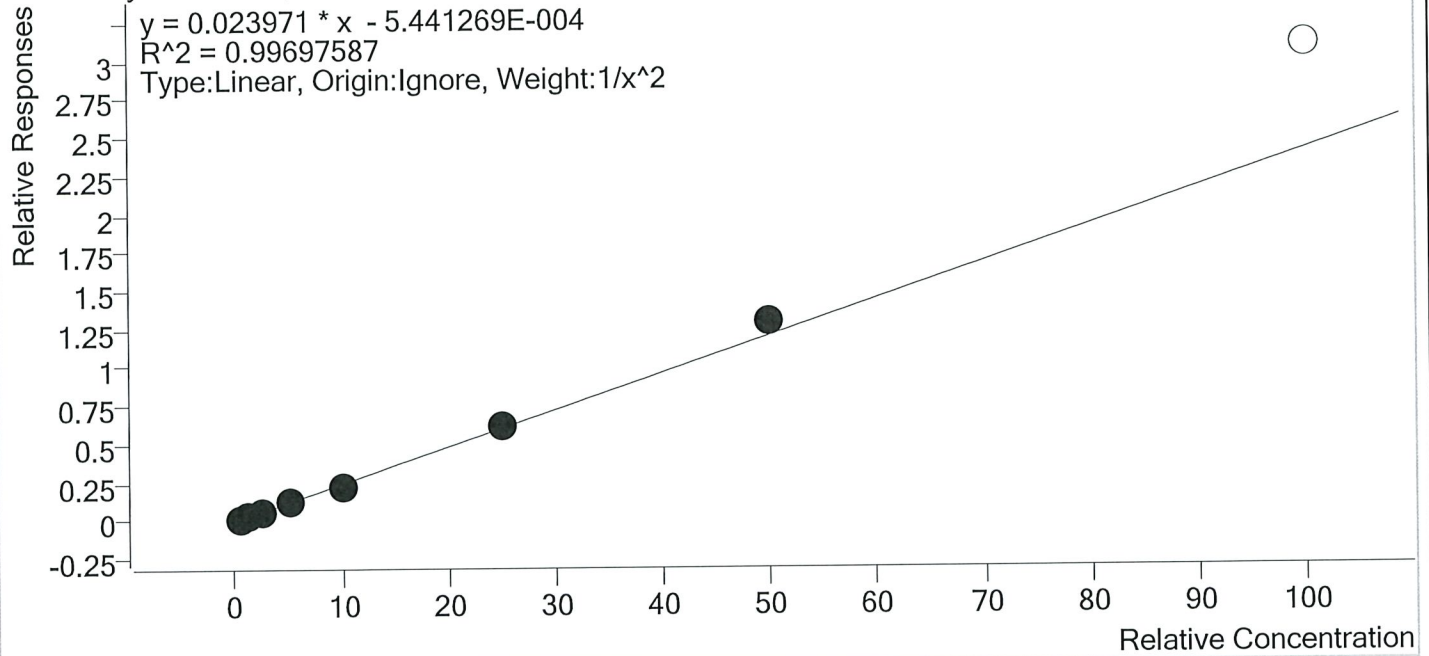
$y = 0.023971 * x - 5.441269E\text{-}004$
$R^2 = 0.99697587$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.1
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.6
p1 Cal 4-50ng	4	✓	5.0	4.9	97.7
p1 Cal 5-100ng	5	✓	10.0	9.6	95.7
p1 Cal 6-250ng	6	✓	25.0	25.5	102.2
p1 Cal 7-500ng	7	✓	50.0	54.3	108.6
p1 Cal 8-1000ng	8	✗	100.0	128.7	128.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Norhydrocodone **Internal Standard** Norhydrocodone-D3

Norhydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
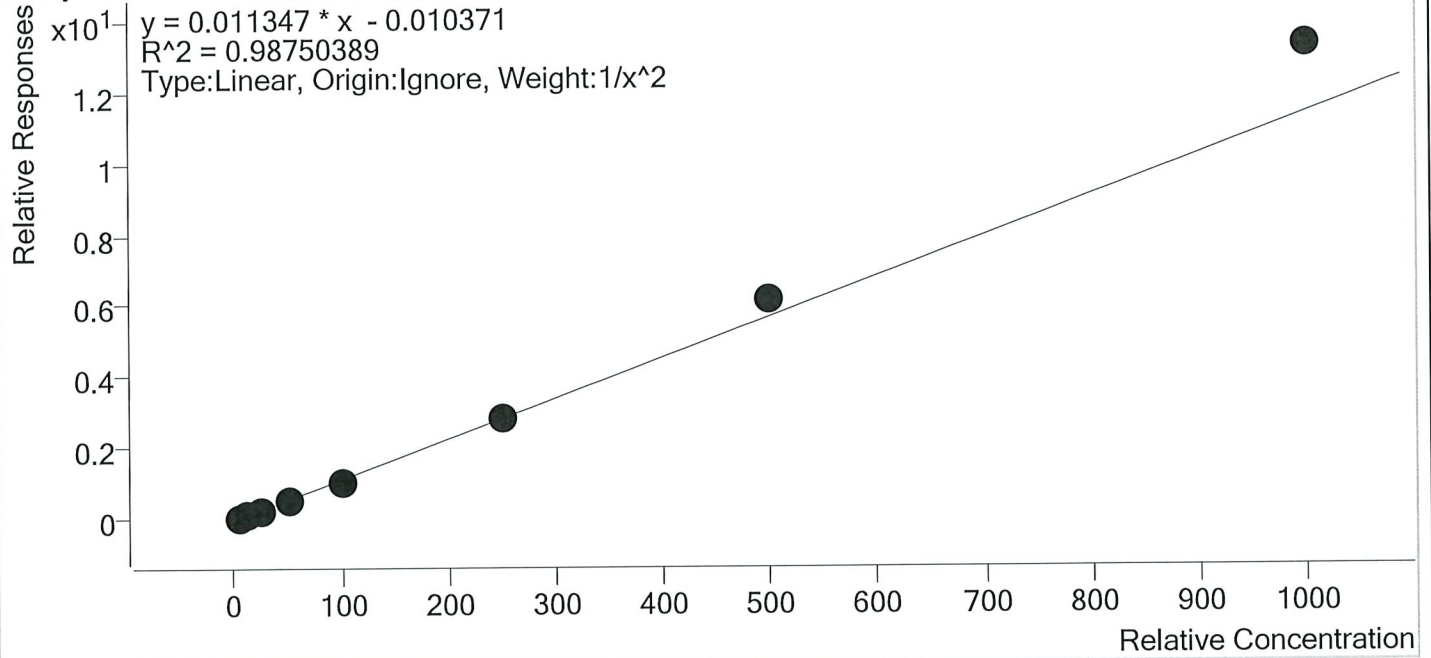
$y = 0.011347 * x - 0.010371$
$R^2 = 0.98750389$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.1
p1 Cal 2- 10ng	2	✓	10.0	9.4	94.2
p1 Cal 3 -25ng	3	✓	25.0	22.5	90.1
p1 Cal 4-50ng	4	✓	50.0	44.4	88.8
p1 Cal 5-100ng	5	✓	100.0	95.0	95.0
p1 Cal 6-250ng	6	✓	250.0	252.6	101.1
p1 Cal 7-500ng	7	✓	500.0	539.5	107.9
p1 Cal 8-1000ng	8	✓	1000.0	1168.7	116.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Noroxycodone

Internal Standard Noroxycodone-D3

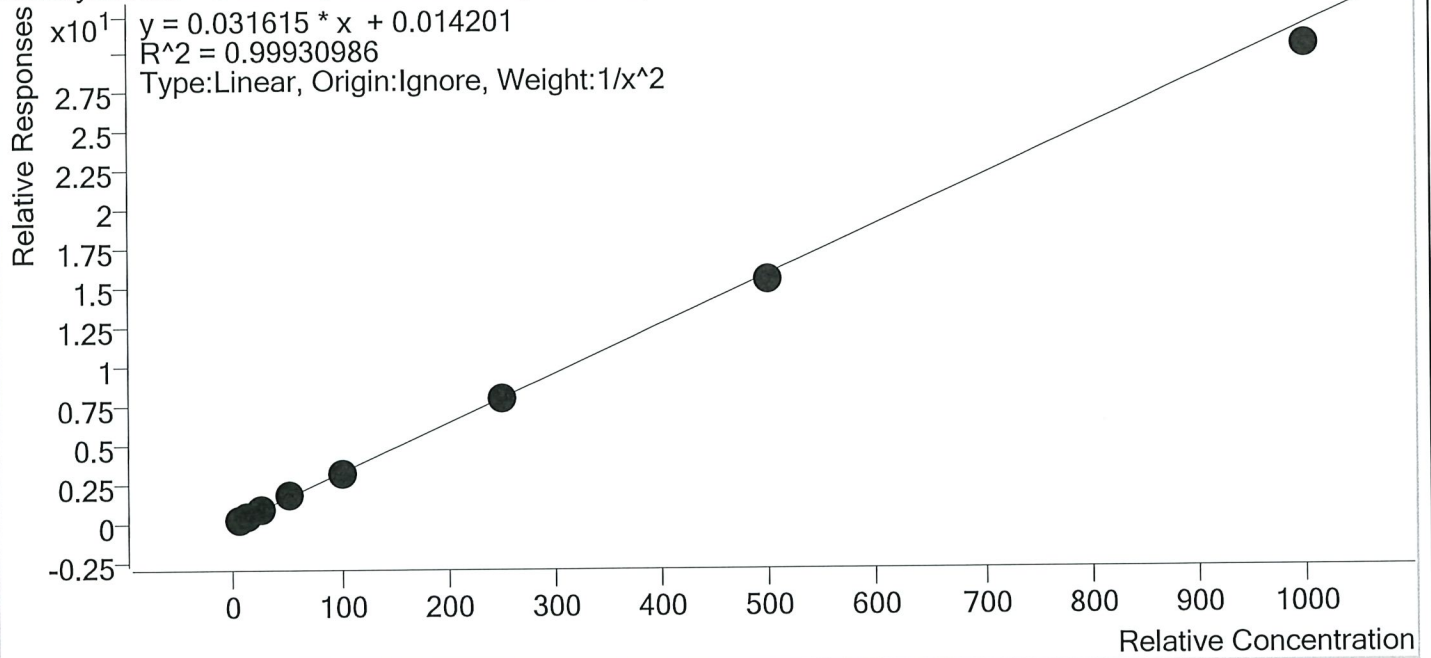Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.031615 * x + 0.014201$
$R^2 = 0.99930986$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	491.2	98.2
p1 Cal 8-1000ng	8	✓	1000.0	958.1	95.8

Generated at 10:13 AM on 3/4/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update 3/4/2020 10:11 AM

Analyst Name ISP\datastor

Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
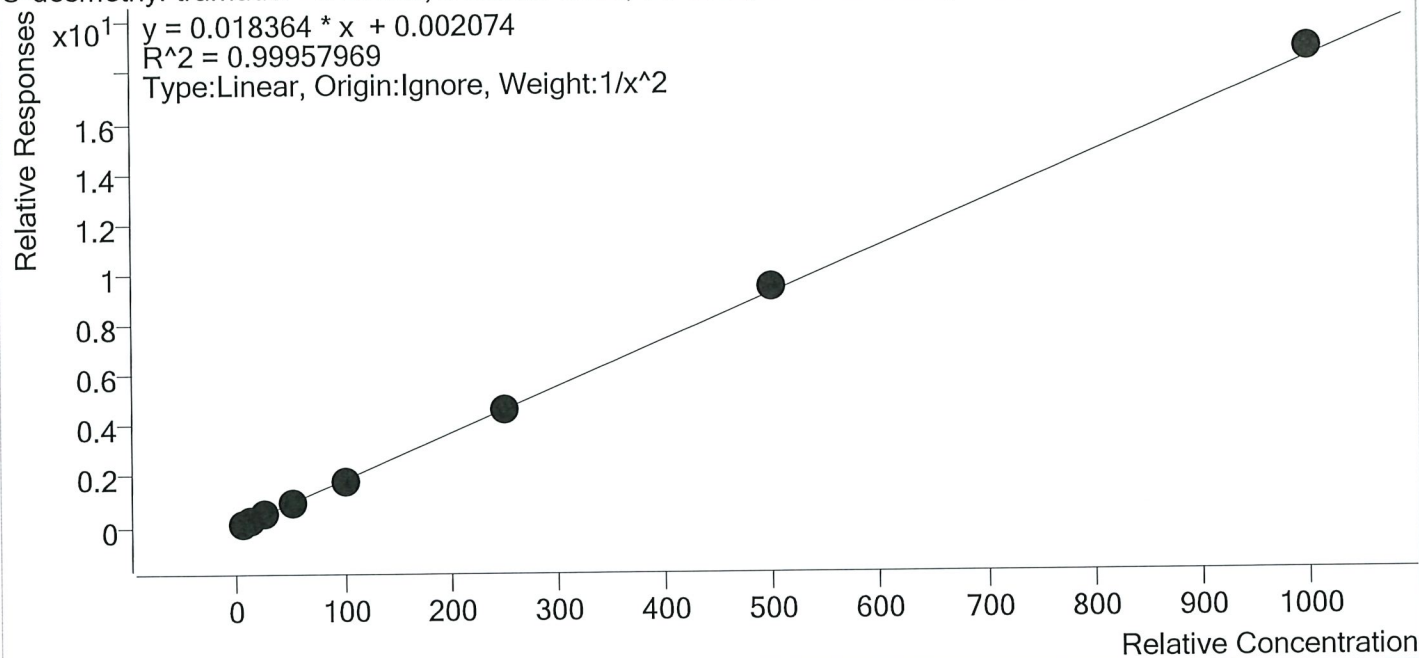
$y = 0.018364 * x + 0.002074$
$R^2 = 0.99957969$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	510.3	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1020.5	102.0

Generated at 10:13 AM on 3/4/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Oxazepam

Internal Standard   Oxazepam-D5

Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
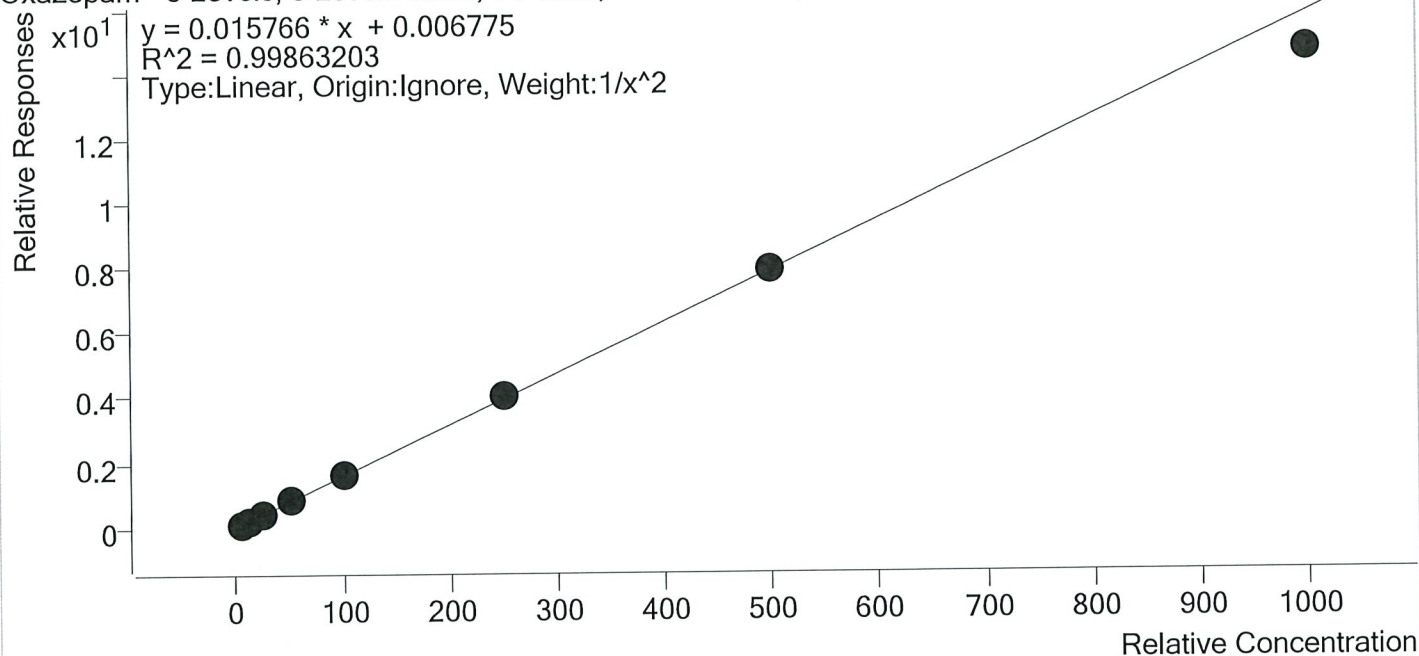
$y = 0.015766 * x + 0.006775$
$R^2 = 0.99863203$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	256.4	102.6
p1 Cal 7-500ng	7	✓	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✓	1000.0	929.3	92.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update   3/4/2020 10:11 AM

Analyst Name   ISP\datastor

Analyte   Oxycodone   **Internal Standard**   Oxycodone-D6

Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
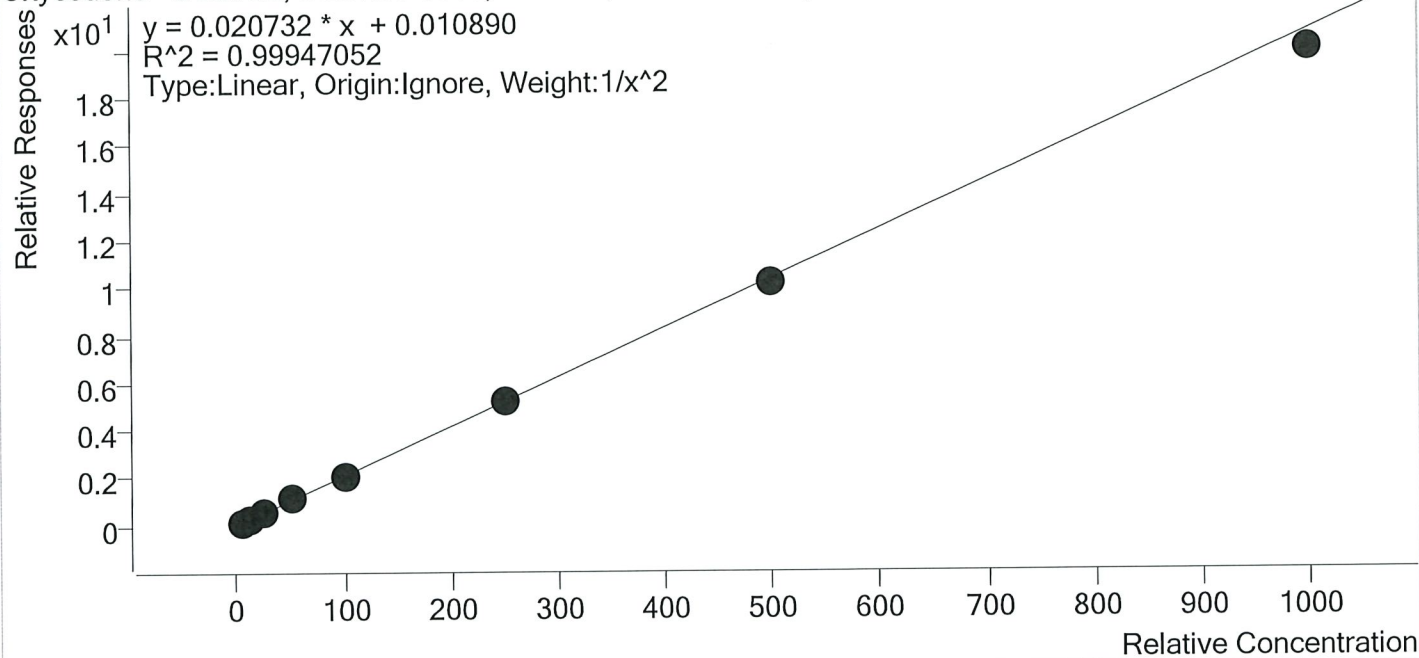
$y = 0.020732 * x + 0.010890$
$R^2 = 0.99947052$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.7
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	492.4	98.5
p1 Cal 8-1000ng	8	✓	1000.0	962.8	96.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Oxymorphone

Internal Standard   Oxymorphone-D3
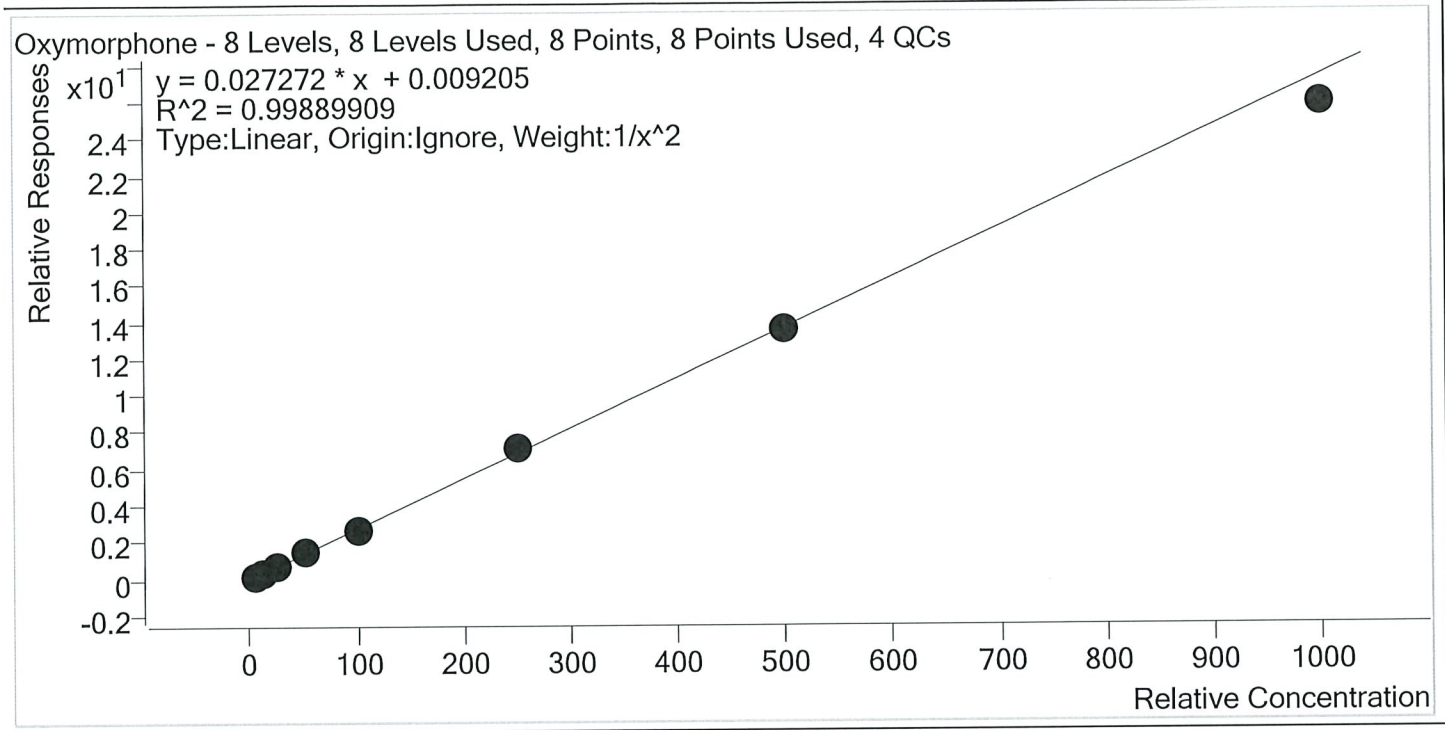
Oxymorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.027272 * x + 0.009205$

$R^2 = 0.99889909$

Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	261.5	104.6
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	944.7	94.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Phentermine **Internal Standard** Phentermine-D5

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

$y = 0.007606 * x + 0.004667$
$R^2 = 0.99721327$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	898.5	89.9

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update   3/4/2020 10:11 AM

Analyst Name   ISP\datastor

Analyte   Promethazine   **Internal Standard**   Promethazine-D3

Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
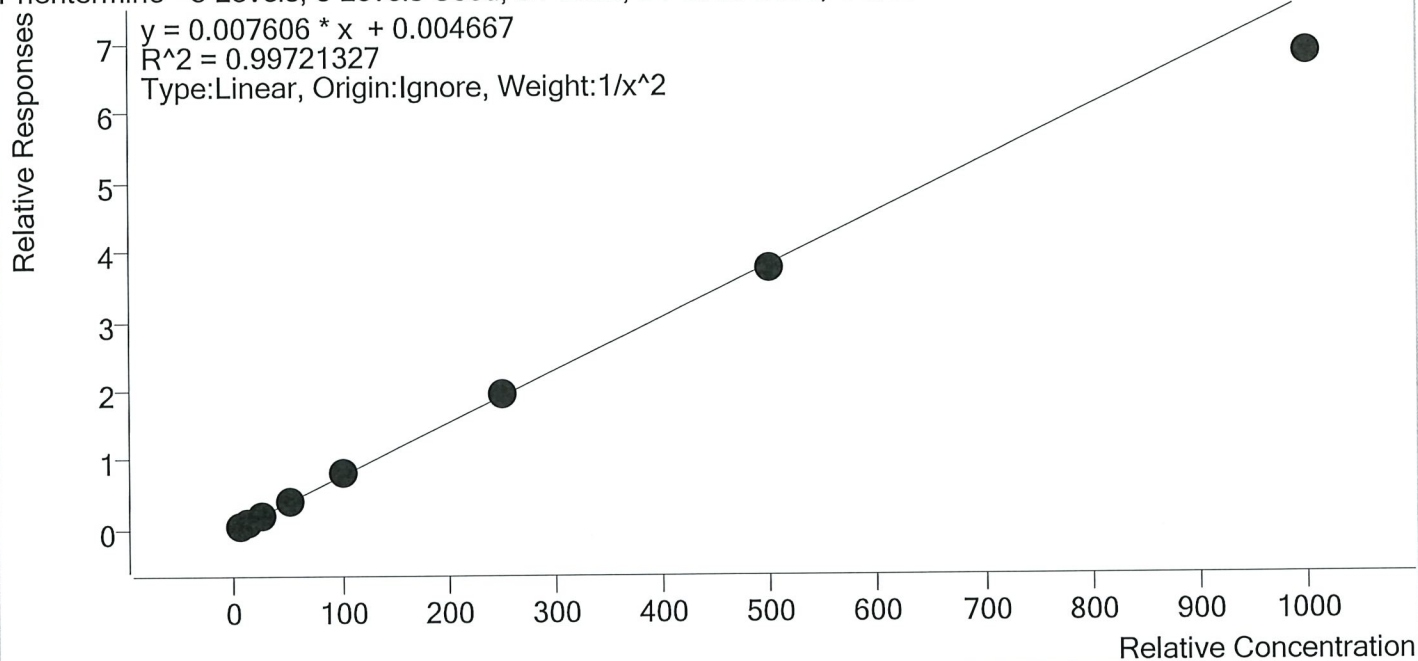
$y = 0.021817 * x + 0.003709$
$R^2 = 0.99988013$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	495.1	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1004.3	100.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045
TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update 3/4/2020 10:11 AM

Analyst Name ISP\datastor

Analyte Quetiapine **Internal Standard** Quetiapine-D8

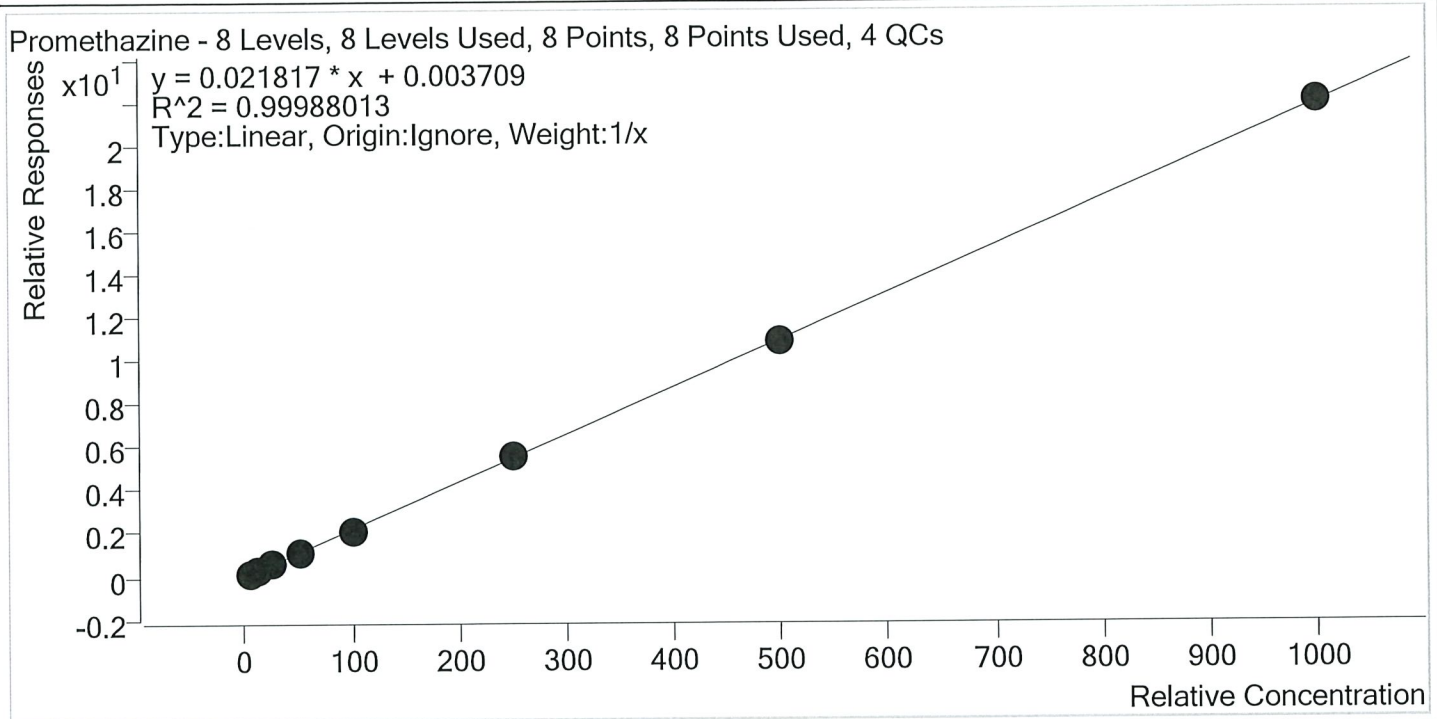Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
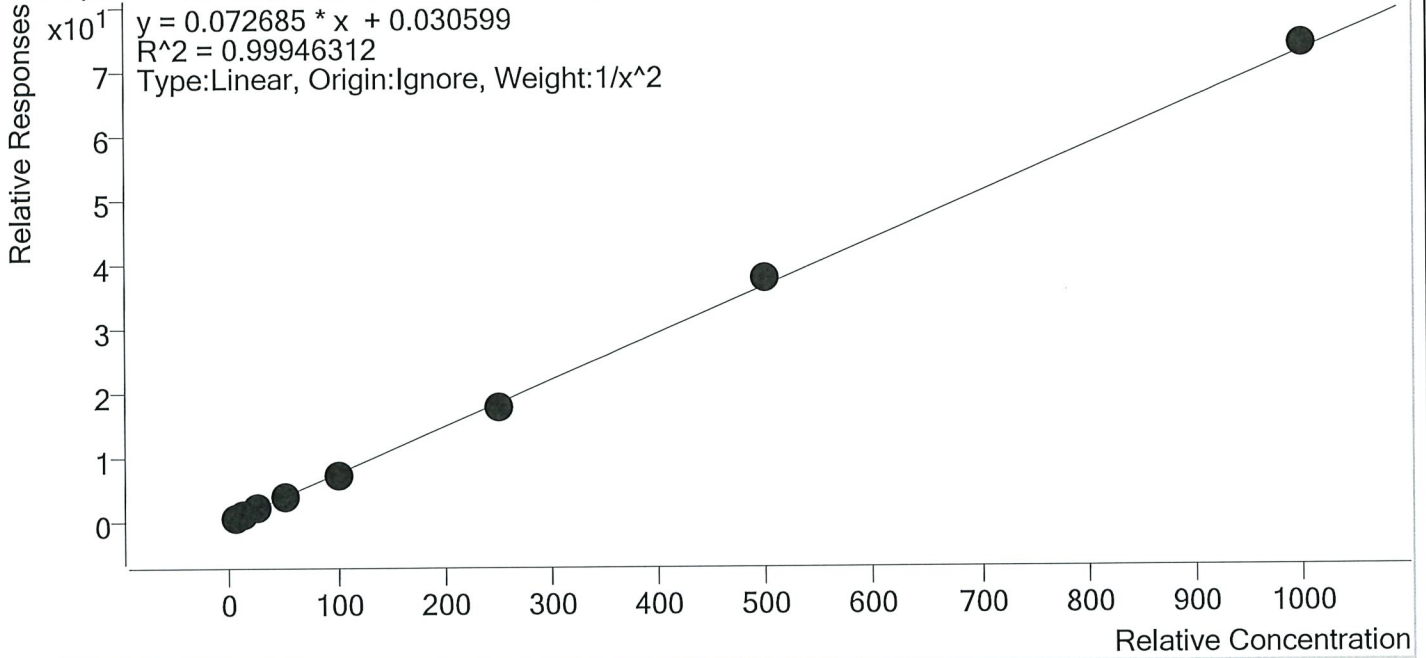
$y = 0.072685 * x + 0.030599$
$R^2 = 0.99946312$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	243.2	97.3
p1 Cal 7-500ng	7	✓	500.0	514.1	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1013.6	101.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Sertraline **Internal Standard** Sertraline-D3

Sertraline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
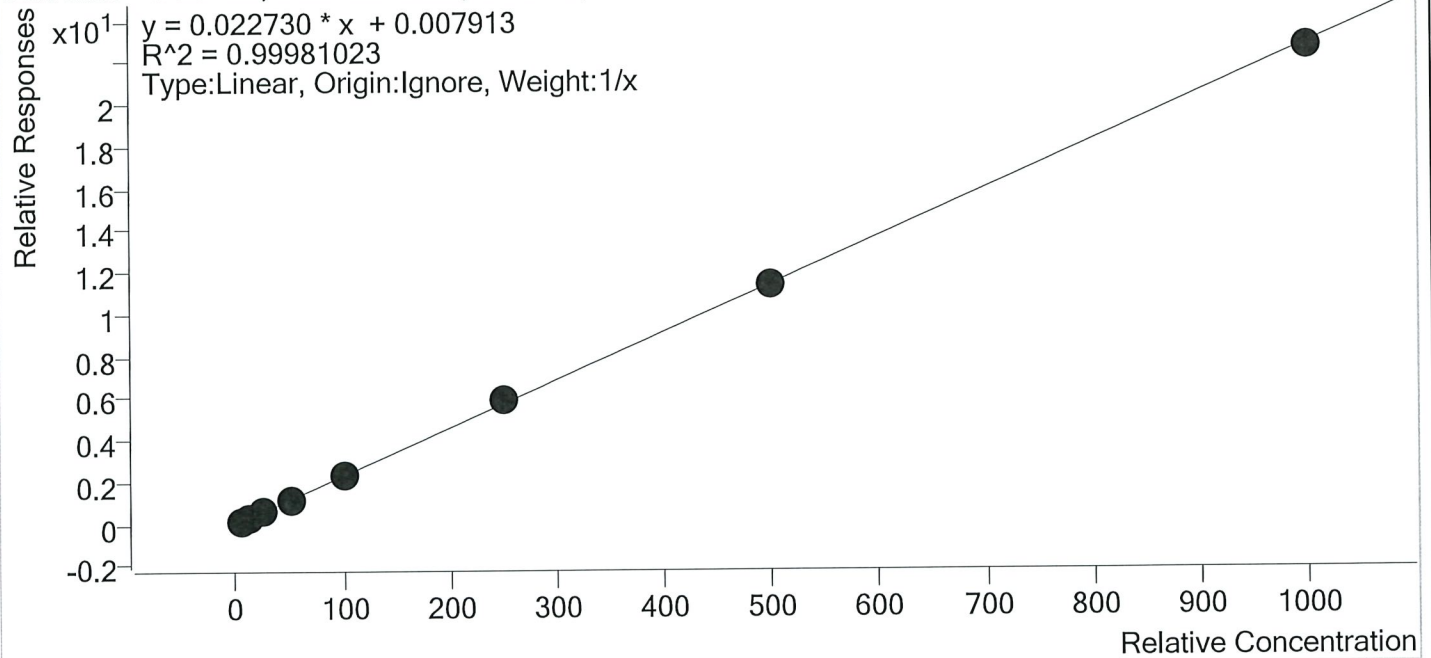
$y = 0.022730 * x + 0.007913$
$R\char`\^2 = 0.99981023$
Type:Linear, Origin:Ignore, Weight:1/x

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	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	992.4	99.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Temazepam **Internal Standard** Temazepam-D5

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

$y = 0.018645 * x - 8.693419E{-004}$
$R^2 = 0.99879730$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	513.5	102.7
p1 Cal 8-1000ng	8	✓	1000.0	1041.5	104.2

Generated at 10:13 AM on 3/4/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Tramadol **Internal Standard** Tramadol-13C-D3

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

$y = 0.017703 * x + 0.016431$
$R^2 = 0.99819356$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.6
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	257.3	102.9
p1 Cal 7-500ng	7	✓	500.0	489.6	97.9
p1 Cal 8-1000ng	8	✓	1000.0	925.0	92.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045
TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update   3/4/2020 10:11 AM

Analyst Name   ISP\datastor

Analyte   Trazodone   **Internal Standard**   Trazodone-D6

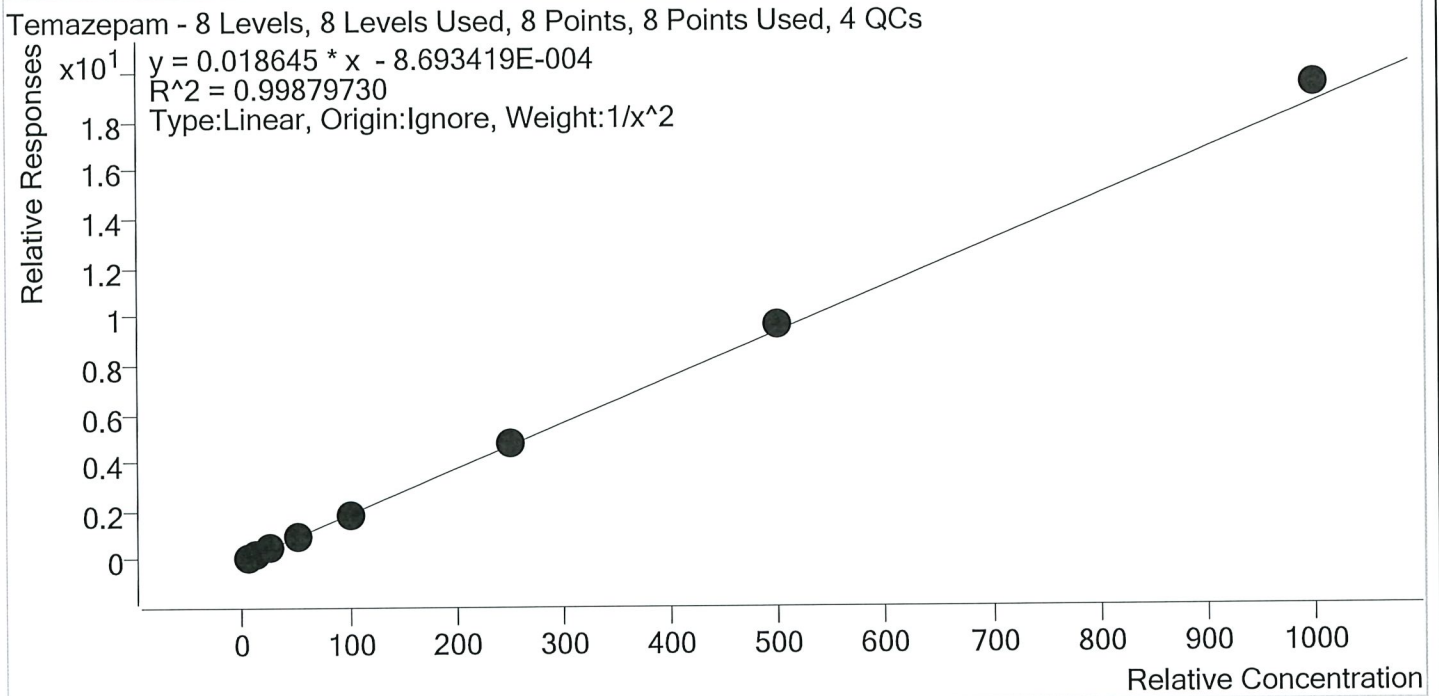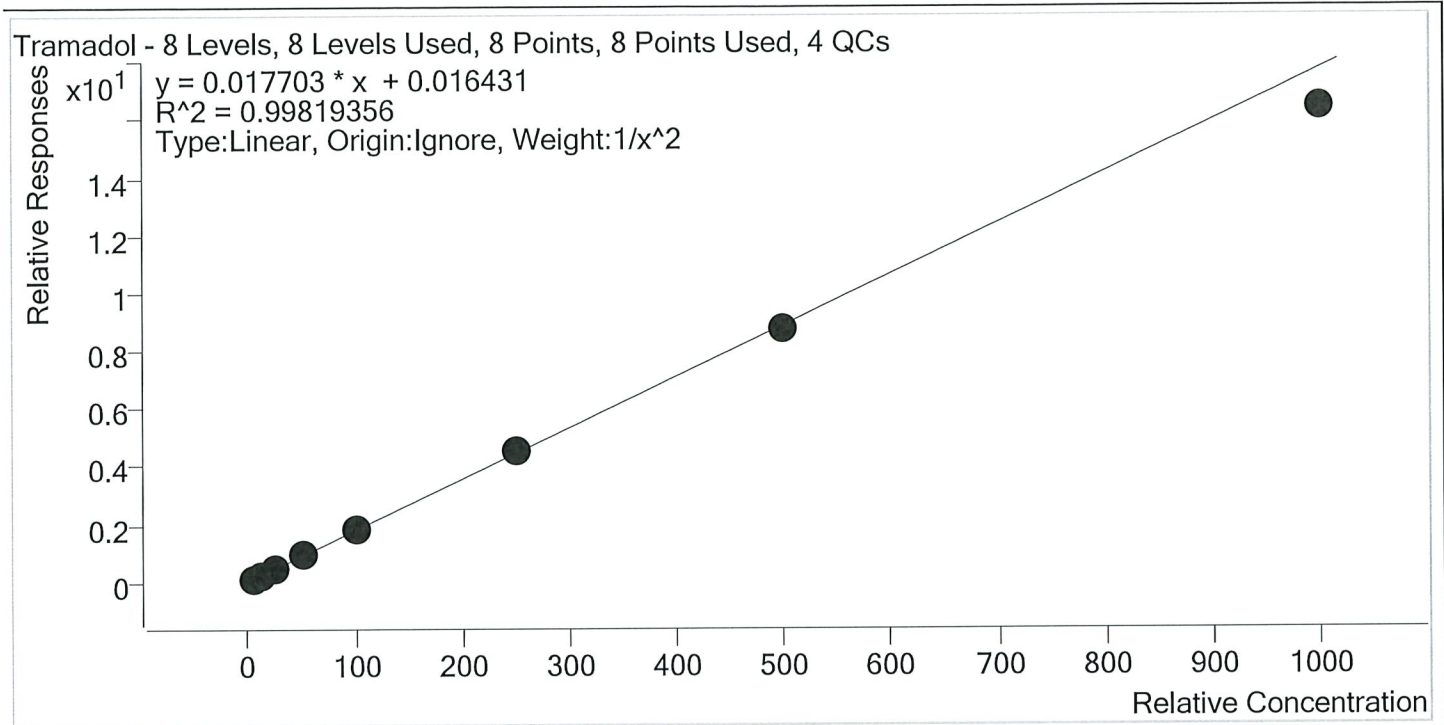Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.024312 * x + 6.301835E\text{-}004$
$R^2 = 0.99520939$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	94.1	94.1
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	521.1	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1117.5	111.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin
Last Cal. Update	3/4/2020 10:11 AM
Analyst Name	ISP\datastor
Analyte	Venlafaxine

Internal Standard   Venlafaxine-D6

Venlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
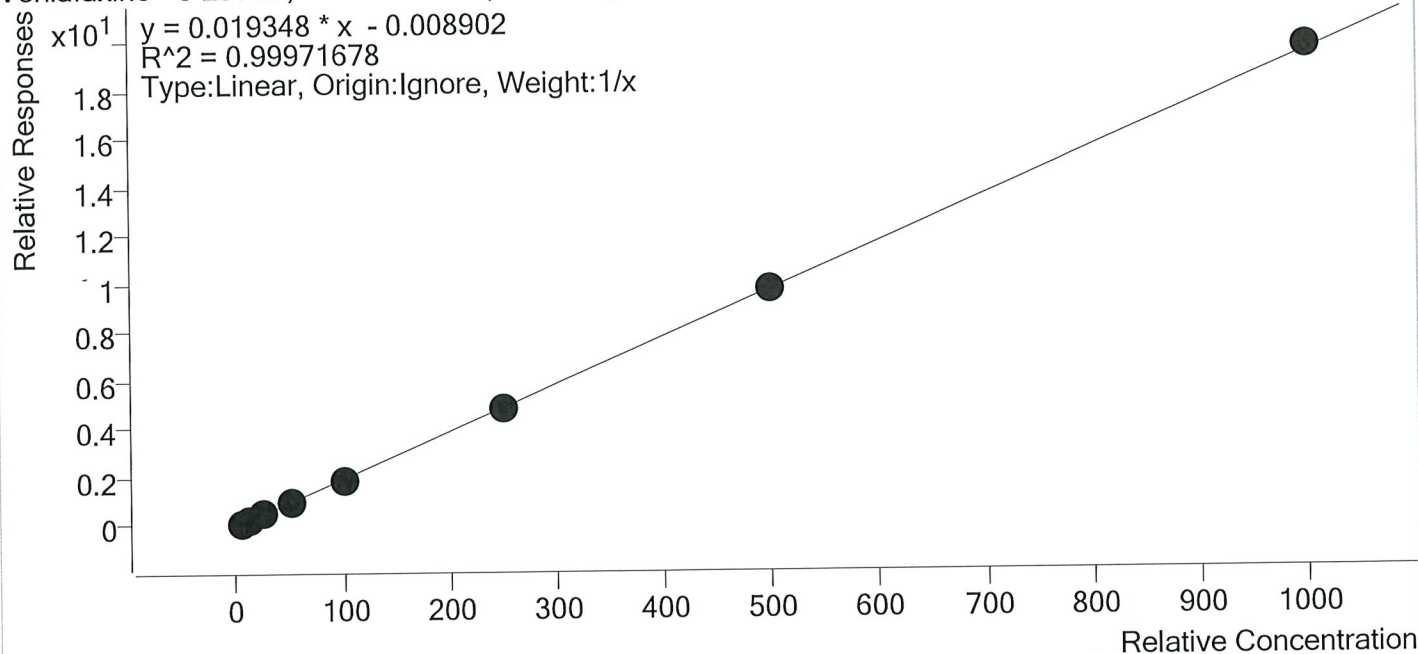
$y = 0.019348 * x - 0.008902$

$R^2 = 0.99971678$

Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	94.9	94.9
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	499.4	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1010.5	101.1

    Generated at 10:13 AM on 3/4/2020

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Last Cal. Update   3/4/2020 10:11 AM

Analyst Name   ISP\datastor

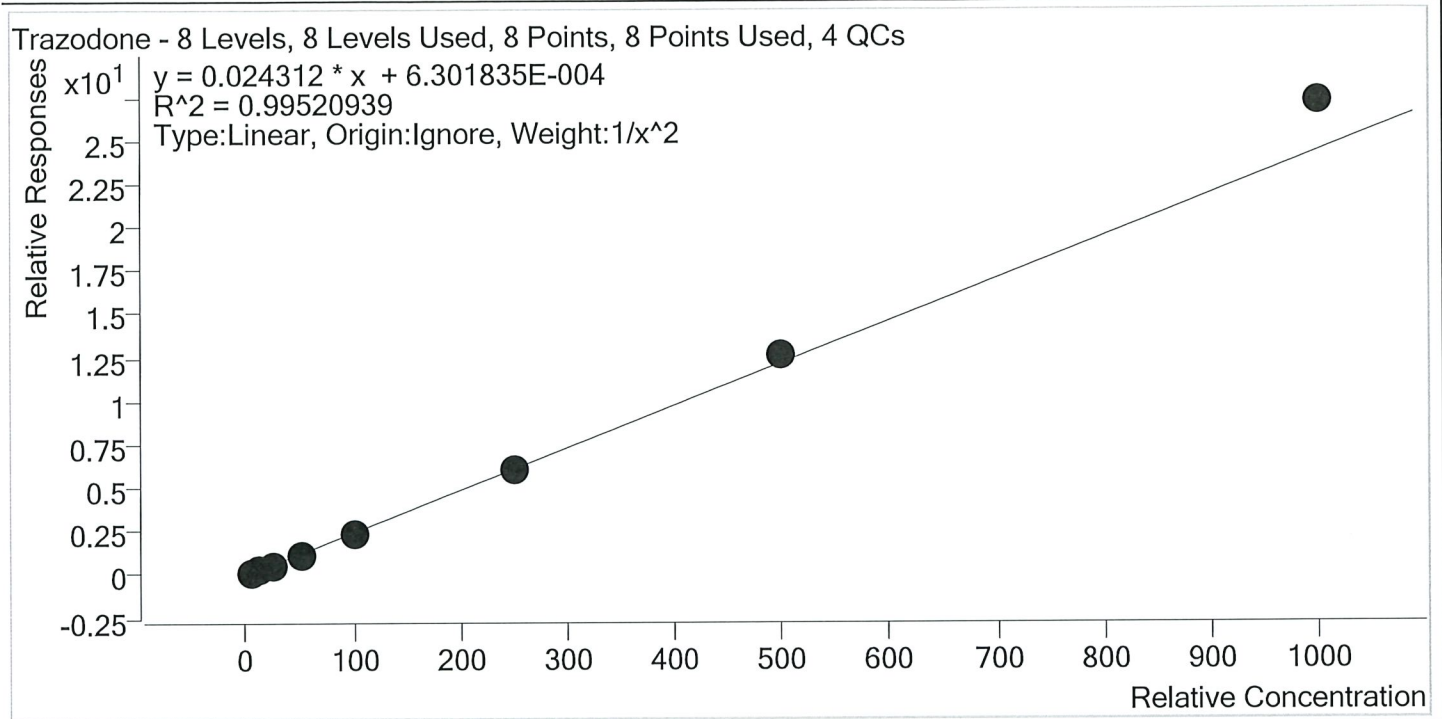**Analyte**   Zolpidem   **Internal Standard**   Zolpidem-D6

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
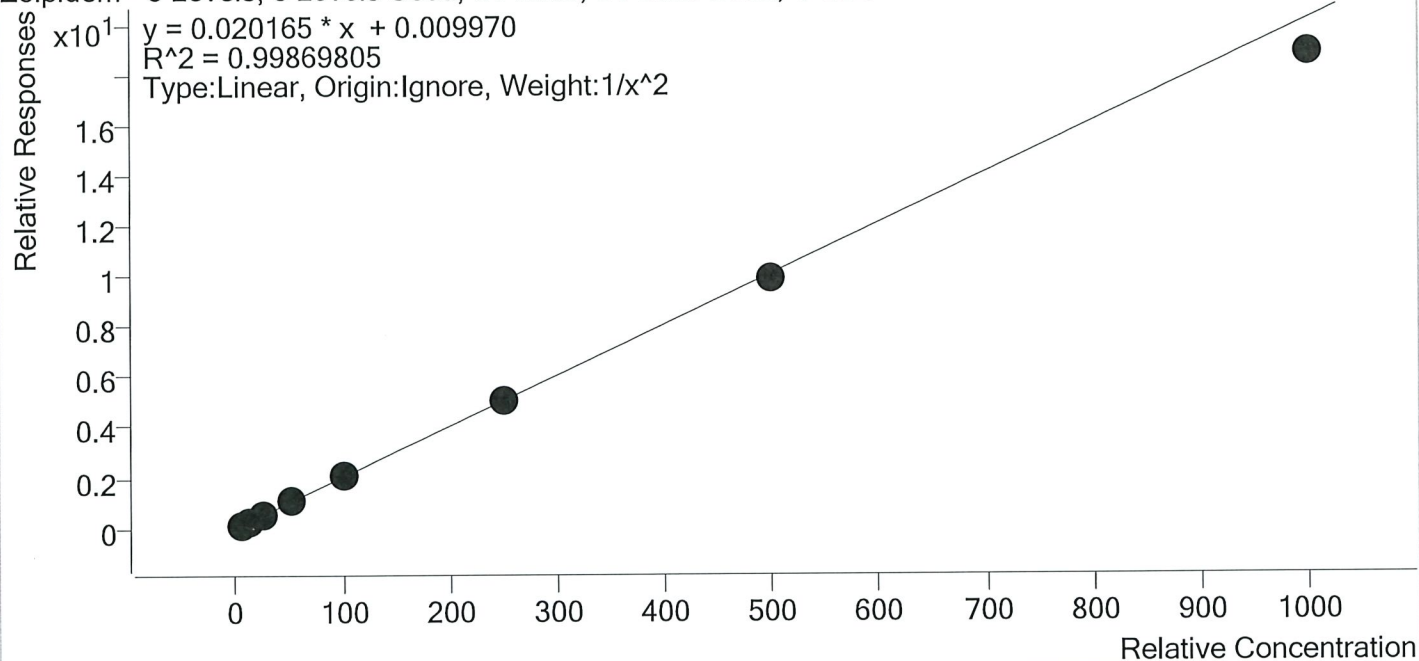
$y = 0.020165 * x + 0.009970$
$R^2 = 0.99869805$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	492.6	98.5
p1 Cal 8-1000ng	8	✓	1000.0	933.7	93.4

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update   3/4/2020 10:11:39 AM

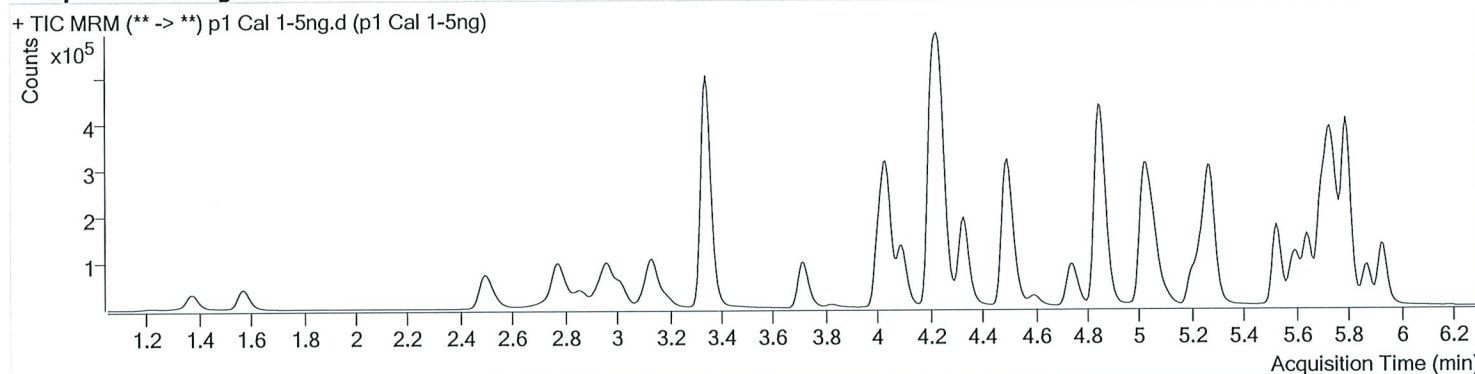|			
Instrument	Falco	**Data File**	p1 Cal 1-5ng.d
Type	Cal	**Sample**	p1 Cal 1-5ng
Acq. Method	MDQ P1 01112020.m	**Operator**	Tamara Salazar
Sample Position	P1-A1	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 4:37:21 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 1-5ng.d (p1 Cal 1-5ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	1112	142.65	68.2	∞	46024	0.5138 ng/ml
7-aminoclonazepam	4.231	24865	6568.36	77.2	4738.90	187862	4.8607 ng/ml
a-hydroxyalprazolam	5.680	10198	185.86	63.3	188.11	44861	5.2689 ng/ml
alpha-PVP	4.337	50302	2961.36	52.4	326.88	441430	5.1944 ng/ml
Alprazolam	5.756	40472	285.30	101.6	526.83	201586	5.1944 ng/ml
Amphetamine	3.014	62673	992.29	53.6	831.78	136818	4.8469 ng/ml
Benzoylecgonine	3.853	2199	195.29	8.0	23.67	15777	5.1229 ng/ml
Buprenorphine	5.753	997	35.28	28.9 **High**	49.23	75574	0.3901 ng/ml
Bupropion	4.759	33641	4712.18	59.1	372.24	237133	4.9600 ng/ml
Carisoprodol	5.705	32375	∞	55.6	173.15	321764	4.9674 ng/ml
Citalopram	5.202	21034	145.45	41.0	646.14	180935	5.0244 ng/ml
Clonazepam	5.593	49600	1830.91	34.0	775.20	115462	4.9138 ng/ml
Cocaine	4.237	57343	1096.96	44.7	10572.84	870554	5.1934 ng/ml
Codeine	2.550	6776	561.51	98.3	1580.58	58094	4.9590 ng/ml
Cyclobenzaprine	5.610	15408	∞	9.4	7.68 **Low**	112801	5.0043 ng/ml
Dextromethorphan	5.245	11679	18802.21	79.1	184.41	102073	5.3628 ng/ml
Dextrorphan	4.093	11459	273.73	202.9	2304.91	286793	5.1982 ng/ml
Diazepam	5.934	28884	704.22	91.5	487.19	266974	4.9583 ng/ml
Dihydrocodeine	2.528	17092	1036.25	68.0	341.68	184887	4.8032 ng/ml
Diphenhydramine	5.272	45323	299.38	33.6	1431.61	636748	5.2575 ng/ml
Doxylamine	4.508	99279	6168.41	96.9	6727.67	827258	4.9796 ng/ml
EDDP	5.244	20746	∞	42.2	1640.44	219901	5.0504 ng/ml
Fentanyl	5.079	1712	89.49	57.7	807.79	164847	0.5180 ng/ml
Fluoxetine	5.702	17079	2151.98	9.1	∞	138514	4.9306 ng/ml
Hydrocodone	2.991	20352	107.05	38.3	300.49	243267	4.8488 ng/ml
Hydromorphone	1.581	15877	554.63	76.8	141.24	114094	4.9989 ng/ml
Ketamine	4.026	50158	8505.71	36.7	364.61	442744	4.9680 ng/ml
Lamotrigine	4.248	4749	672.49	82.3	1397.35	442744	4.7471 ng/ml
Lorazepam	5.728	41363	1101.96	57.2	385.29	115462	4.4508 ng/ml
Meprobamate	4.875	16854	∞	25.8	396.92	153860	4.8960 ng/ml
Methadone	5.648	30715	1207.42	56.1	295.77	282358	4.9675 ng/ml
Methamphetamine	3.188	37634	379.36	42.4	126.82	232386	5.1265 ng/ml

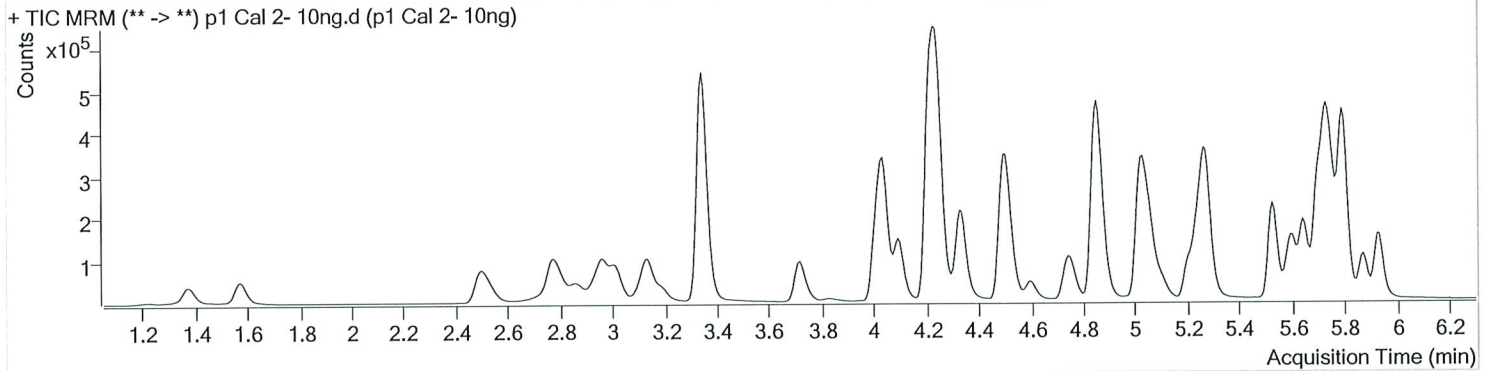| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	7654	1048.18	99.9	910.20	1121954	5.0112 ng/ml
Mirtazapine	4.596	37934	11226.33	49.0	1481.74	441430	5.1345 ng/ml
Mitragynine	5.207	5224	311.85	38.0	167.03	282358	4.8058 ng/ml
Morphine	1.226	2326	613.08	25.0	75.04	4355	4.9687 ng/ml
Nordiazepam	5.874	27021	4663.05	55.7	466.97	163852	5.0275 ng/ml
Norfentanyl	4.061	7239	4768.58	39.0	141.62	618990	0.5106 ng/ml
Norhydrocodone	3.039	1717	∞	48.9	159.86	34480	5.3034 ng/ml
Noroxycodone	2.883	18636	264.28	47.2	323.66	108892	4.9640 ng/ml
O-desmethyl-tramadol	3.348	120070	∞	6.2	219.21	1264862	5.0562 ng/ml
Oxazepam	5.738	46552	359.53	69.6	∞	545714	4.9810 ng/ml
Oxycodone	2.800	40992	2334.57	31.2	∞	360774	4.9553 ng/ml
Oxymorphone	1.376	14594	170.28	49.0	297.68	100197	5.0032 ng/ml
Phentermine	3.745	11961	245.75	2.6	30.67	284034	4.9231 ng/ml
Promethazine	5.527	36395	203.41	30.4	211.60	321748	5.0148 ng/ml
Quetiapine	5.530	21341	3046.60	62.1	1716.47	54085	5.0078 ng/ml
Sertraline	5.764	10269	1014.65	89.9	764.24	83954	5.0331 ng/ml
Temazepam	5.798	74470	1839.44	30.0	173.04	795182	5.0694 ng/ml
Tramadol	4.219	116318	1462.66	3.3	223.50	1121954	4.9283 ng/ml
Trazodone	5.099	29687	3547.60	78.1	1108.61	235236	5.1650 ng/ml
Venlafaxine	5.020	69440	1170.14	37.3	303.71	726726	5.3988 ng/ml
Zolpidem	4.864	113983	24971.60	30.6	650.64	1038689	4.9476 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update 3/4/2020 10:11:39 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-B1	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 4:48:05 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 2- 10ng.d (p1 Cal 2- 10ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	2019	6609.47	67.8	2081.24	46256	0.9516 ng/ml
7-aminoclonazepam	4.231	47061	333.02	80.7	10085.06	187216	10.1966 ng/ml
a-hydroxyalprazolam	5.680	20577	462.29	63.1	430.59	44099	10.3705 ng/ml
alpha-PVP	4.337	96422	2145.09	51.0	493.10	433665	10.0576 ng/ml
Alprazolam	5.756	80545	887.31	99.9	1090.20	196448	10.3258 ng/ml
Amphetamine	3.014	114462	∞	55.5	2015.33	134361	10.1551 ng/ml
Benzoylecgonine	3.847	3841	434.45	8.0	45.37	15054	9.6695 ng/ml
Buprenorphine	5.753	2325	159.83	18.6	∞	80006	0.9980 ng/ml
Bupropion	4.759	66487	2252.95	57.4	631.05	238032	9.9158 ng/ml
Carisoprodol	5.705	62968	764.08	55.0	452.87	318057	10.0033 ng/ml
Citalopram	5.202	42859	969.82	41.3	154570.37	193431	9.8769 ng/ml
Clonazepam	5.593	96003	10082.95	34.2	98323.60	113811	10.1313 ng/ml
Cocaine	4.243	111476	641410.71	44.3	10107.60	852034	10.2104 ng/ml
Codeine	2.550	12914	531.88	101.1	3504.70	58461	9.9176 ng/ml
Cyclobenzaprine	5.610	34298	45712.65	9.9	∞	129215	9.9983 ng/ml
Dextromethorphan	5.252	23246	1913.70	80.0	2877.36	109092	9.8607 ng/ml
Dextrorphan	4.093	21417	450.72	211.2	565.89	284263	9.8934 ng/ml
Diazepam	5.934	58573	536.69	87.0	579.26	269040	10.1560 ng/ml
Dihydrocodeine	2.528	33797	2650.57	66.5	904.93	185925	10.3071 ng/ml
Diphenhydramine	5.272	91288	126.28	33.3	493.20	671969	9.9758 ng/ml
Doxylamine	4.514	186251	∞	97.6	13788.70	805971	9.8299 ng/ml
EDDP	5.244	50610	1323.95	42.3	5782.45	276344	9.9463 ng/ml
Fentanyl	5.072	3275	85.49	64.7	4250.31	183612	0.9302 ng/ml
Fluoxetine	5.702	37881	483.32	9.0	514.87	160583	9.8477 ng/ml
Hydrocodone	2.991	38481	155.95	39.8	147.35	244217	10.1685 ng/ml
Hydromorphone	1.581	30428	283.12	77.7	610.12	112769	10.0238 ng/ml
Ketamine	4.026	96184	2914.42	37.5	797.89	443210	9.9814 ng/ml
Lamotrigine	4.254	9432	1081.25	78.4	5148.06	443210	10.5696 ng/ml
Lorazepam	5.728	80849	∞	57.8	694.63	113811	10.3228 ng/ml
Meprobamate	4.875	31080	9731.55	26.2	177.41	151359	10.0686 ng/ml
Methadone	5.648	64038	379.08	53.7	1393.00	303287	9.8993 ng/ml
Methamphetamine	3.188	55441	517.46	42.4	563.58	221952	9.3735 ng/ml

p1 Cal 2- 10ng

AM #28 Multi-Drug Quant. Results

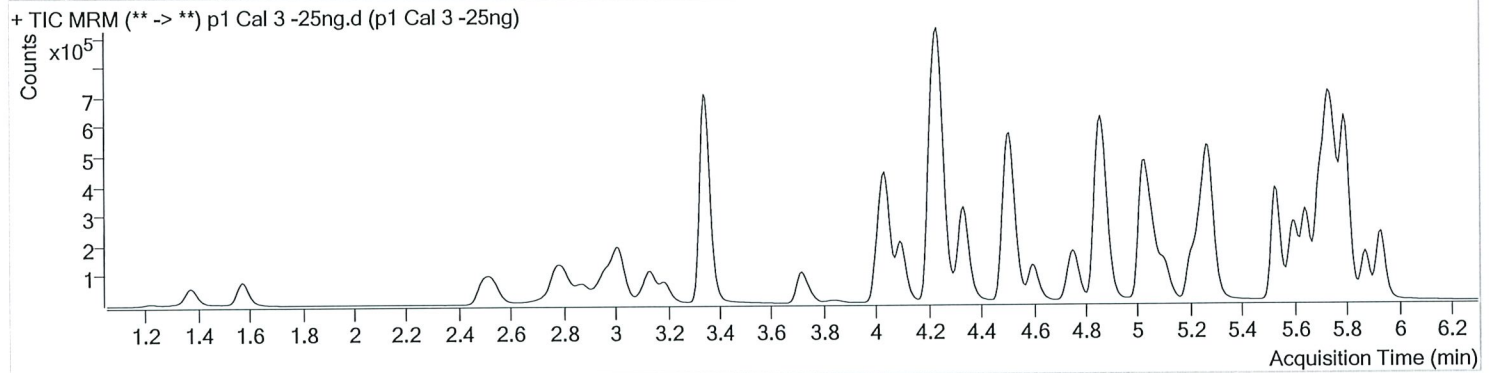| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	14445	42140.44	96.9	736.40	1101186	9.8674 ng/ml
Mirtazapine	4.596	75089	2043.53	50.4	1757.40	433665	9.6240 ng/ml
Mitragynine	5.207	11561	20756.46	38.3	286.42	303287	10.4447 ng/ml
Morphine	1.226	4491	3054.04	22.0	2048.30	4378	10.0619 ng/ml
Norbuprenorphine	4.970	172	13.87	97.2	564.87	8202	1.0127 ng/ml
Nordiazepam	5.881	52608	627.74	56.0	659.92	168427	9.7893 ng/ml
Norfentanyl	4.061	14309	5680.42	36.7	159.15	622499	0.9816 ng/ml
Norhydrocodone	3.039	3272	37.25	40.6	∞	33907	9.4196 ng/ml
Noroxycodone	2.876	36089	466.64	49.7	390.41	109113	10.0125 ng/ml
O-desmethyl-tramadol	3.348	233247	1860.46	6.1	183.86	1269657	9.8907 ng/ml
Oxazepam	5.738	90555	874.89	71.0	537.12	552110	9.9736 ng/ml
Oxycodone	2.800	78967	932.38	31.0	5364.70	359775	10.0619 ng/ml
Oxymorphone	1.376	28372	315.20	48.7	449.50	101480	9.9140 ng/ml
Phentermine	3.751	22240	1104.94	2.5	38.15	271384	10.1611 ng/ml
Promethazine	5.527	81908	583.60	29.7	2340.06	360963	10.2310 ng/ml
Quetiapine	5.530	43654	1702.55	56.7	6655.18	57777	9.9739 ng/ml
Sertraline	5.770	21916	183.41	87.7	∞	95571	9.7403 ng/ml
Temazepam	5.798	147648	821.46	29.5	438.61	803986	9.8959 ng/ml
Tramadol	4.226	214946	13583.28	3.4	167.16	1101186	10.0981 ng/ml
Trazodone	5.099	61326	14403.15	79.3	4616.27	260318	9.6639 ng/ml
Venlafaxine	5.020	134193	7721.96	35.7	175.53	713438	10.1818 ng/ml
Zolpidem	4.871	222967	19538.29	30.1	3601.58	1048770	10.0487 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update 3/4/2020 10:11:39 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-C1	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 4:58:41 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 3 -25ng.d (p1 Cal 3 -25ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	5510	4681.50	73.0	1596.54	50019	2.4464 ng/ml
7-aminoclonazepam	4.237	123777	44312.44	82.2	505330.85	202836	26.2858 ng/ml
a-hydroxyalprazolam	5.680	53369	735.85	62.1	941.58	46872	25.8796 ng/ml
alpha-PVP	4.344	258211	1311.18	51.6	761.63	468265	24.5966 ng/ml
Alprazolam	5.756	200245	884.09	104.1	898.67	207364	23.9534 ng/ml
Amphetamine	3.014	296025	6833.08	54.4	2736.28	141570	26.8567 ng/ml
Benzoylecgonine	3.853	10174	647.47	7.8	296.45	15992	24.6291 ng/ml
Buprenorphine	5.753	6391	216.92	17.5	∞	94652	2.4714 ng/ml
Bupropion	4.759	187764	561.82	58.8	4822.13	270965	24.8291 ng/ml
Carisoprodol	5.705	166286	225873.65	54.0	1764.84	332378	25.6402 ng/ml
Citalopram	5.209	124273	1005.23	40.9	136115.95	228841	24.6887 ng/ml
Clonazepam	5.593	253620	3410.49	33.5	137802.87	122028	25.6952 ng/ml
Cocaine	4.244	288726	20922.90	45.0	29988.38	906651	24.6991 ng/ml
Codeine	2.550	34482	5686.74	100.4	2681.03	61914	25.8992 ng/ml
Cyclobenzaprine	5.617	96299	1183.60	9.7	91.04	149339	24.7051 ng/ml
Dextromethorphan	5.252	68248	1307.61	78.1	2253.89	127034	24.6385 ng/ml
Dextrorphan	4.100	58153	2840.22	212.0	2515.72	314053	24.4667 ng/ml
Diazepam	5.934	150366	813.19	87.3	731.68	286518	24.7299 ng/ml
Dihydrocodeine	2.528	87641	2916.22	67.8	1752.00	197076	26.5068 ng/ml
Diphenhydramine	5.272	266442	334.11	33.3	647.03	791024	24.6388 ng/ml
Doxylamine	4.514	527378	43980.29	97.1	45864.99	918334	24.8154 ng/ml
EDDP	5.244	131887	2202.83	42.6	2263.20	299659	24.1152 ng/ml
Fentanyl	5.072	10040	246.51	62.3	∞	218578	2.4844 ng/ml
Fluoxetine	5.702	109937	465.63	8.8	∞	186033	25.3539 ng/ml
Hydrocodone	2.991	99759	546.31	40.9	157.64	261499	26.2868 ng/ml
Hydromorphone	1.581	78607	1628.46	78.2	988.63	120923	24.6452 ng/ml
Ketamine	4.026	249342	22186.01	38.2	497.32	463893	25.4713 ng/ml
Lamotrigine	4.254	24061	904.49	80.1	8233.33	463893	27.4413 ng/ml
Lorazepam	5.728	204220	∞	57.7	2720.16	122028	26.3835 ng/ml
Meprobamate	4.875	80837	3172.28	25.8	330.75	159826	26.2912 ng/ml
Methadone	5.648	192699	634.10	53.1	1193.23	361977	25.3741 ng/ml
Methamphetamine	3.195	130740	808.97	42.5	1247.05	229586	24.8293 ng/ml

p1 Cal 3 -25ng

AM #28 Multi-Drug Quant. Results

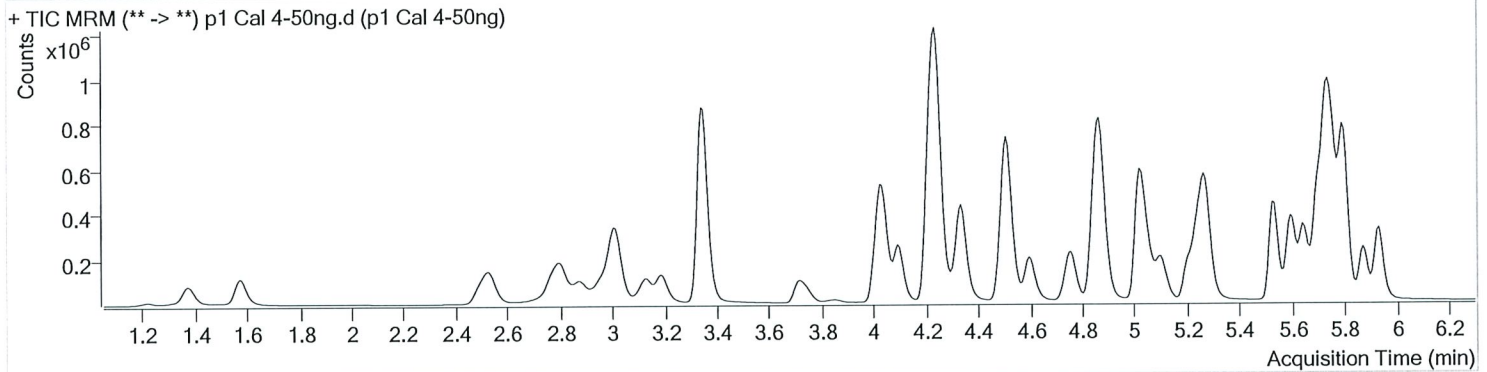| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	39011	∞	95.3	∞	1177443	25.3057 ng/ml
Mirtazapine	4.596	221562	88275.48	49.4	57040.25	468265	25.0667 ng/ml
Mitragynine	5.207	33996	130532.81	37.9	28358.65	361977	26.4835 ng/ml
Morphine	1.220	11225	1610.62	25.2	166.26	4564	24.9166 ng/ml
Norbuprenorphine	4.970	477	33.44	78.0	41.26	9762	2.3380 ng/ml
Nordiazepam	5.881	138714	1068.39	56.2	599.50	174994	25.3027 ng/ml
Norfentanyl	4.061	38814	1003.52	37.3	178.54	684152	2.3895 ng/ml
Norhydrocodone	3.039	8618	∞	43.6	64.28	35142	22.5256 ng/ml
Noroxycodone	2.883	93682	3590.96	49.3	2883.82	114654	25.3957 ng/ml
O-desmethyl-tramadol	3.348	605934	5048.31	6.1	1448.57	1343998	24.4372 ng/ml
Oxazepam	5.738	230756	3248.55	70.9	764.58	573514	25.0911 ng/ml
Oxycodone	2.800	206340	1934.99	31.9	3475.01	383710	25.4134 ng/ml
Oxymorphone	1.376	73783	558.47	48.7	459.10	106113	25.1584 ng/ml
Phentermine	3.751	57716	1476.94	2.4	48.34	292248	25.3518 ng/ml
Promethazine	5.527	231933	1201.52	31.0	7600.69	428294	24.6518 ng/ml
Quetiapine	5.531	125314	1841.27	60.2	10535.05	67909	24.9668 ng/ml
Sertraline	5.764	61279	1026.09	90.3	155034.77	108807	24.4291 ng/ml
Temazepam	5.798	381314	1786.36	29.8	∞	849690	24.1152 ng/ml
Tramadol	4.226	553821	1330.57	3.4	172.24	1177443	25.6417 ng/ml
Trazodone	5.099	181391	4857.25	79.5	2668.68	315063	23.6547 ng/ml
Venlafaxine	5.020	359619	9434.54	36.2	587.44	779229	24.3134 ng/ml
Zolpidem	4.871	590536	32521.70	30.2	36149.91	1127327	25.4835 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update   3/4/2020 10:11:39 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-D1	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 5:09:15 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 4-50ng.d (p1 Cal 4-50ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	10412	32251.55	73.7	1911.84	46998	4.9494 ng/ml
7-aminoclonazepam	4.231	225985	21286.93	80.7	10328.63	184425	53.8641 ng/ml
a-hydroxyalprazolam	5.680	99888	437.78	63.7	399.38	43752	52.2912 ng/ml
alpha-PVP	4.337	478762	5341.40	51.2	6031.17	424449	50.0686 ng/ml
Alprazolam	5.756	382675	1228.89	102.6	2805.41	192534	49.0153 ng/ml
Amphetamine	3.014	564675	48184.34	54.3	17324.96	137055	54.2053 ng/ml
Benzoylecgonine	3.853	18598	1642.66	8.2	145.20	14998	48.3338 ng/ml
Buprenorphine	5.753	9663	276.15	15.6	290.95	71713	5.0469 ng/ml
Bupropion	4.759	312953	10891.10	58.1	1199.61	221094	50.8801 ng/ml
Carisoprodol	5.705	310696	2518.24	54.3	∞	314055	50.9340 ng/ml
Citalopram	5.202	195572	629.71	40.8	58939.83	178238	50.2227 ng/ml
Clonazepam	5.593	469033	1387.96	33.4	847.24	111592	52.4755 ng/ml
Cocaine	4.243	546748	55505.72	44.4	∞	850668	49.7410 ng/ml
Codeine	2.543	65074	1481.30	102.7	2591.04	58679	52.1538 ng/ml
Cyclobenzaprine	5.610	149517	10957.89	9.2	∞	113308	50.8598 ng/ml
Dextromethorphan	5.245	107265	2655.95	78.1	∞	96573	50.7819 ng/ml
Dextrorphan	4.100	108028	40535.05	208.8	2194.40	283588	50.4431 ng/ml
Diazepam	5.934	286713	1090.48	86.9	1339.60	263136	51.5339 ng/ml
Dihydrocodeine	2.521	168979	1451.48	67.6	1477.19	186315	54.9876 ng/ml
Diphenhydramine	5.272	418514	19787.02	33.4	407.62	612425	49.9214 ng/ml
Doxylamine	4.514	852238	∞	97.3	108449.77	732821	50.5205 ng/ml
EDDP	5.244	241376	356.79	41.9	∞	264591	50.1467 ng/ml
Fentanyl	5.072	15313	721.58	63.3	429.40	166396	5.0345 ng/ml
Fluoxetine	5.702	163259	193692.11	8.8	166752.11	139056	50.8187 ng/ml
Hydrocodone	2.991	188453	∞	40.9	278.07	242245	54.8239 ng/ml
Hydromorphone	1.581	148991	1346.30	78.2	1098.34	111662	50.9573 ng/ml
Ketamine	4.026	478512	16963.14	38.5	482.53	442620	51.7447 ng/ml
Lamotrigine	4.254	43727	4184.49	80.5	21826.16	442620	53.3261 ng/ml
Lorazepam	5.728	367412	2395.50	57.1	1175.45	111592	53.3791 ng/ml
Meprobamate	4.875	146604	581.20	26.4	838.53	145539	53.3717 ng/ml
Methadone	5.648	288728	207144.78	53.2	4259.04	273611	50.5660 ng/ml
Methamphetamine	3.188	253842	10874.99	42.5	1051.23	222412	52.4774 ng/ml

AM #28 Multi-Drug Quant. Results

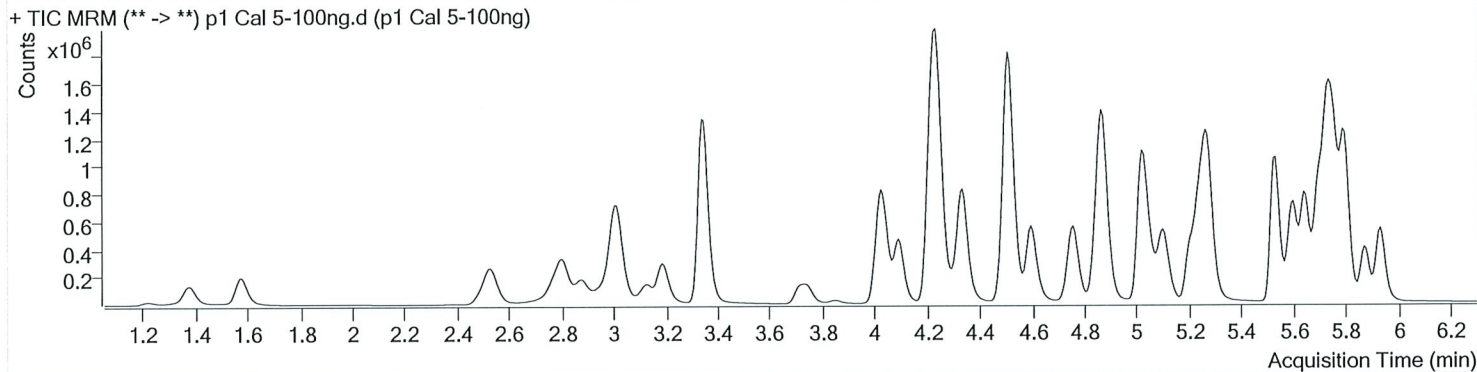| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	72969	108001.68	96.8	∞	1119249	50.0379 ng/ml
Mirtazapine	4.596	358119	119065.88	48.7	36904.98	424449	44.1418 ng/ml
Mitragynine	5.207	49970	2483.97	39.3	8586.81	273611	51.9828 ng/ml
Morphine	1.220	22204	802.17	22.1	950.94	4388	51.8722 ng/ml
Norbuprenorphine	4.976	812	90.85	85.8	46.78	7569	5.1043 ng/ml
Nordiazepam	5.874	259236	2855.56	57.6	1379.55	162916	51.0937 ng/ml
Norfentanyl	4.061	73595	∞	37.1	924.41	631747	4.8826 ng/ml
Norhydrocodone	3.039	16057	126.56	44.1	80.17	32553	44.3842 ng/ml
Noroxycodone	2.876	177886	1229.13	49.1	2596.25	107961	51.6678 ng/ml
O-desmethyl-tramadol	3.348	1156023	9079.32	6.0	2360.85	1264792	49.6579 ng/ml
Oxazepam	5.738	425199	3426.73	70.9	9468.48	515172	51.9214 ng/ml
Oxycodone	2.800	392002	2233.25	32.2	1653.02	364965	51.2836 ng/ml
Oxymorphone	1.376	135037	2037.20	49.8	∞	96292	51.0840 ng/ml
Phentermine	3.745	107330	3088.04	2.5	151.45	273014	51.0740 ng/ml
Promethazine	5.527	354066	26996.26	30.4	4008.26	319979	50.5495 ng/ml
Quetiapine	5.530	205273	16542.45	60.3	∞	55114	50.8211 ng/ml
Sertraline	5.764	96132	592.05	89.7	∞	81011	51.8585 ng/ml
Temazepam	5.798	725864	1617.02	29.4	∞	778548	50.0498 ng/ml
Tramadol	4.226	1049341	570646.58	3.3	∞	1119249	52.0319 ng/ml
Trazodone	5.099	281981	25301.77	78.6	16214.96	239517	48.3978 ng/ml
Venlafaxine	5.020	671359	2770.06	36.1	400.76	709217	49.3869 ng/ml
Zolpidem	4.871	1110831	17634.97	30.6	37172.14	1054798	51.7316 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update 3/4/2020 10:11:39 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-E1	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 5:19:51 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 5-100ng.d (p1 Cal 5-100ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	22837	1774.93	68.8	11677.46	49756	10.2856 ng/ml
7-aminoclonazepam	4.231	431789	14518.45	80.8	16322.41	184700	103.7398 ng/ml
a-hydroxyalprazolam	5.680	195209	1038.24	61.8	6834.52	44290	101.3200 ng/ml
alpha-PVP	4.337	1123509	169499.50	50.8	16189.12	514775	96.6604 ng/ml
Alprazolam	5.756	744652	1925.70	99.8	1226.11	183284	99.9106 ng/ml
Amphetamine	3.014	1297827	31568.68	54.4	27350.18	166348	103.8308 ng/ml
Benzoylecgonine	3.847	38120	982.63	8.2	381.56	15678	95.1038 ng/ml
Buprenorphine	5.753	28824	1551.99	15.8	202.23	105114	10.3906 ng/ml
Bupropion	4.759	888770	984.81	58.5	1148.17	322423	99.2322 ng/ml
Carisoprodol	5.705	580576	∞	54.6	261.96	303561	99.6548 ng/ml
Citalopram	5.202	555451	868.24	40.7	∞	255950	101.8110 ng/ml
Clonazepam	5.593	920924	24095.24	33.9	1209.34	113451	96.0478 ng/ml
Cocaine	4.237	1129259	70616.41	45.4	∞	908958	102.5743 ng/ml
Codeine	2.543	131802	1081.26	102.2	23677.67	60762	99.4659 ng/ml
Cyclobenzaprine	5.610	443978	1404.94	9.7	∞	172520	96.8102 ng/ml
Dextromethorphan	5.252	307848	769.05	79.0	27715.68	145185	98.2154 ng/ml
Dextrorphan	4.093	257351	1638.72	209.2	2031.43	347323	98.9554 ng/ml
Diazepam	5.934	562068	6883.00	88.8	5883.95	269081	105.9821 ng/ml
Dihydrocodeine	2.521	341812	2399.14	67.2	2852.62	197054	98.2014 ng/ml
Diphenhydramine	5.272	1221136	33555.87	33.5	706.08	907819	99.3612 ng/ml
Doxylamine	4.508	2352534	320066.09	97.4	12128.30	1031149	98.0957 ng/ml
EDDP	5.244	702159	2174.11	42.3	943.19	394048	9.7725 ng/ml
Fentanyl	5.072	45860	845.00	62.5	496.70	258114	99.1317 ng/ml
Fluoxetine	5.702	471077	585819.12	8.9	93648.12	206585	107.1753 ng/ml
Hydrocodone	2.991	393530	∞	40.4	∞	261440	99.8338 ng/ml
Hydromorphone	1.581	300557	1127.37	78.1	1220.60	115362	100.1075 ng/ml
Ketamine	4.026	997001	51224.56	38.2	11844.90	478935	97.7545 ng/ml
Lamotrigine	4.254	85888	8909.72	79.9	37573.20	478935	95.4638 ng/ml
Lorazepam	5.728	659863	2402.50	57.3	2608.00	113451	104.0122 ng/ml
Meprobamate	4.875	287929	2803.51	25.7	6251.75	148021	99.6995 ng/ml
Methadone	5.648	852138	1001.58	54.3	11966.51	410649	104.0767 ng/ml
Methamphetamine	3.188	615705	3629.18	42.6	2068.18	278782	

AM #28 Multi-Drug Quant. Results

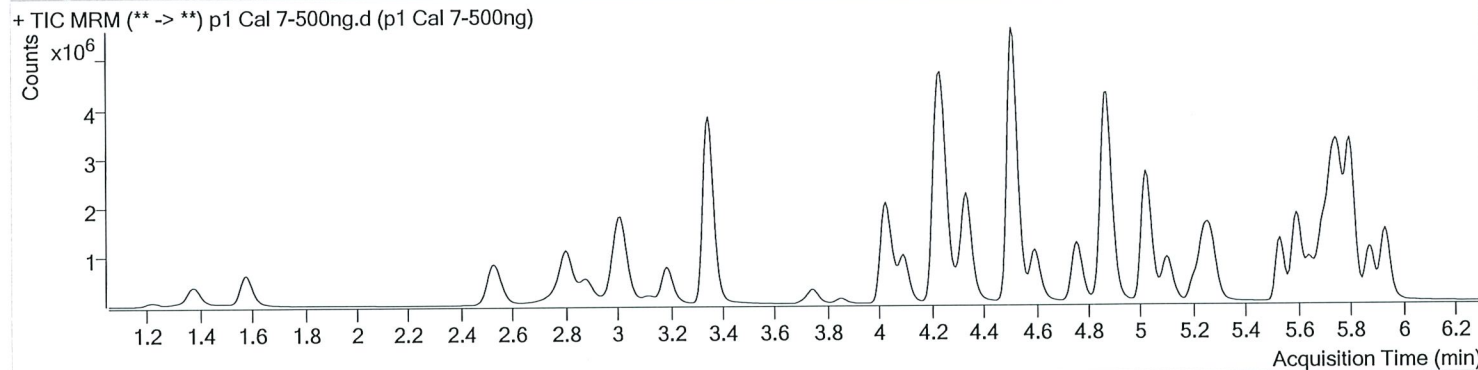| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	164227	∞	97.6	∞	1228472	102.8691 ng/ml
Mirtazapine	4.596	1012194	119215.52	49.3	47370.15	514775	101.9255 ng/ml
Mitragynine	5.207	148463	35880.59	38.8	∞	410649	103.4043 ng/ml
Morphine	1.220	43037	846.30	23.6	1568.60	4456	99.5277 ng/ml
Norbuprenorphine	4.976	2680	365.42	70.1	232.77	11606	10.9680 ng/ml
Nordiazepam	5.874	514260	∞	56.7	1938.58	164484	100.6786 ng/ml
Norfentanyl	4.061	166327	7962.55	37.8	944.56	726749	9.5705 ng/ml
Norhydrocodone	3.039	35068	88.54	42.2	93.51	32831	95.0485 ng/ml
Noroxycodone	2.876	356196	2609.28	49.5	5455.77	111680	100.4339 ng/ml
O-desmethyl-tramadol	3.348	2374204	116575.80	6.0	3818.61	1320239	97.8119 ng/ml
Oxazepam	5.738	790022	70345.83	70.3	5246.57	495446	100.7115 ng/ml
Oxycodone	2.800	819052	9263.36	31.7	2960.88	392376	100.1624 ng/ml
Oxymorphone	1.376	270432	1010.94	49.0	997.15	99600	99.2222 ng/ml
Phentermine	3.745	273085	∞	2.4	404.79	340379	104.8703 ng/ml
Promethazine	5.527	1054586	3160.43	30.1	36218.60	497565	96.9802 ng/ml
Quetiapine	5.531	533760	807.11	60.2	51210.33	75286	97.1203 ng/ml
Sertraline	5.770	261528	4131.35	91.4	4017.63	116538	98.3820 ng/ml
Temazepam	5.798	1436386	6061.50	29.6	1061.42	809086	95.2614 ng/ml
Tramadol	4.219	2205285	∞	3.4	923.74	1228472	100.4765 ng/ml
Trazodone	5.099	792674	∞	79.7	2704204.63	346330	94.1151 ng/ml
Venlafaxine	5.020	1599882	2692.19	36.6	4398.14	875876	94.8698 ng/ml
Zolpidem	4.871	2301070	1033.49	30.4	252891.90	1115590	101.7957 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update   3/4/2020 10:11:39 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-G1	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 5:41:03 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 7-500ng.d (p1 Cal 7-500ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	95168	15319.85	69.6	4123.87	42490	50.3044 ng/ml
7-aminoclonazepam	4.231	1115780	38179.29	81.1	11777.64	114738	434.9202 ng/ml
a-hydroxyalprazolam	5.680	684336	3845.17	62.1	2004.26	33058	477.3431 ng/ml
alpha-PVP	4.337	3696892	288180.47	50.7	1549.48	330070	495.0744 ng/ml
Alprazolam	5.756	2526597	4197.02	101.8	1403.26	121384	510.7501 ng/ml
Amphetamine	3.014	3290266	76309.30	53.0	46746.03	101760	434.4836 ng/ml
Benzoylecgonine	3.847	189516	20186.88	7.7	1221.18	14339	518.5323 ng/ml
Buprenorphine	5.760	28200	373.72	16.3	2426.54	21589	49.9321 ng/ml
Bupropion	4.759	2195321	366680.84	58.2	3167.99	158384	499.5953 ng/ml
Carisoprodol	5.705	1873691	1621.69	54.6	741.15	196821	492.1621 ng/ml
Citalopram	5.202	832735	1790.92	41.3	9033.11	76807	499.1961 ng/ml
Clonazepam	5.593	3306038	144790.37	33.2	53083.68	84306	493.7603 ng/ml
Cocaine	4.244	3786714	277736.01	44.3	177851.75	589285	496.3478 ng/ml
Codeine	2.550	447308	2116.31	101.2	3498.22	43017	493.9466 ng/ml
Cyclobenzaprine	5.617	411749	1387.93	9.8	25524.61	31925	499.6460 ng/ml
Dextromethorphan	5.245	370781	2580.00	78.6	1240.04	34596	488.7257 ng/ml
Dextrorphan	4.093	704413	33662.88	210.7	46036.13	187350	498.8032 ng/ml
Diazepam	5.934	1966542	1434.72	88.5	9699.49	187339	497.9972 ng/ml
Dihydrocodeine	2.521	1303473	120233.56	67.7	94930.49	169773	472.1566 ng/ml
Diphenhydramine	5.272	1751739	∞	33.6	6252.69	260608	490.4622 ng/ml
Doxylamine	4.508	8111513	88571.34	96.2	16867.53	697353	507.6523 ng/ml
EDDP	5.244	1941004	7265.72	42.2	47318.90	210879	507.3376 ng/ml
Fentanyl	5.072	42891	2806.07	62.8	4323.94	46818	50.6245 ng/ml
Fluoxetine	5.702	358573	21997.67	8.7	10752.63	31711	493.3634 ng/ml
Hydrocodone	2.991	1349323	∞	40.4	347.62	204752	473.1845 ng/ml
Hydromorphone	1.581	1152382	∞	78.7	∞	88985	497.6421 ng/ml
Ketamine	4.026	3832313	5664.49	37.5	7346.93	373802	495.0148 ng/ml
Lamotrigine	4.254	239992	41430.26	79.7	3280.97	373802	352.9942 ng/ml
Lorazepam	5.728	1284782	∞	59.1	6825.99	84306	252.5950 ng/ml
Meprobamate	4.881	781112	2440.41	25.8	15078.62	95536	440.4514 ng/ml
Methadone	5.648	1075716	3568.92	54.6	20177.66	106869	484.6673 ng/ml
Methamphetamine	3.188	1651525	2591.67	42.8	2253.47	161712	491.0668 ng/ml

AM #28 Multi-Drug Quant. Results

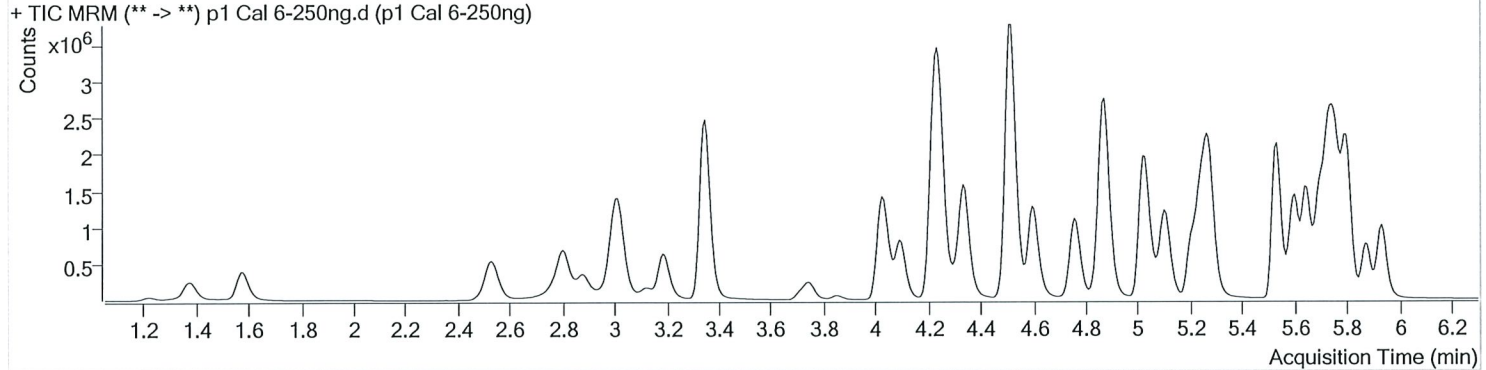| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	537995	25854.86	96.4	16121.54	850929	487.4457 ng/ml
Mirtazapine	4.596	1894673	81551.76	49.5	8408.21	330070	296.1877 ng/ml
Mitragynine	5.207	151950	36429.01	38.5	3734.14	106869	408.1702 ng/ml
Morphine	1.220	173915	1093.43	24.1	1394.13	3716	484.4818 ng/ml
Norbuprenorphine	4.976	3043	506.61	87.5	729.24	2960	48.7515 ng/ml
Nordiazepam	5.881	1753905	4655.36	57.1	17036.29	114061	496.3338 ng/ml
Norfentanyl	4.061	622169	105520.85	37.2	2022.85	478221	54.2979 ng/ml
Norhydrocodone	3.039	122757	∞	42.1	∞	20088	539.4608 ng/ml
Noroxycodone	2.876	1203584	795.86	49.0	10836.83	77433	491.2001 ng/ml
O-desmethyl-tramadol	3.348	9603028	932974.15	5.8	32809.12	1024593	510.2559 ng/ml
Oxazepam	5.731	1980798	∞	69.8	∞	250457	501.2101 ng/ml
Oxycodone	2.800	3279801	∞	32.2	4235.80	320921	492.4401 ng/ml
Oxymorphone	1.376	1004348	1535.90	50.0	∞	73819	498.5492 ng/ml
Phentermine	3.745	776201	12284.32	2.4	1435.75	206221	494.2571 ng/ml
Promethazine	5.527	959702	5888.20	30.7	∞	88812	495.1398 ng/ml
Quetiapine	5.531	1254143	1404.23	60.0	252347.79	33533	514.1322 ng/ml
Sertraline	5.770	166622	2827.28	91.6	2018.51	14594	501.9399 ng/ml
Temazepam	5.798	5512687	2578.58	28.8	2189.52	575832	513.4935 ng/ml
Tramadol	4.220	7389426	242046.86	3.3	1414.89	850929	489.6134 ng/ml
Trazodone	5.099	1446414	3115.18	78.7	∞	114171	521.0606 ng/ml
Venlafaxine	5.020	5269868	2755.29	35.5	2394.58	545940	499.3747 ng/ml
Zolpidem	4.871	9060414	4050.36	29.6	95076.27	911299	492.5606 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update 3/4/2020 10:11:39 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-F1	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 5:30:27 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 6-250ng.d (p1 Cal 6-250ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	53982	2832.03	70.3	10364.11	47791	25.3553 ng/ml
7-aminoclonazepam	4.231	816835	36580.15	79.9	∞	150008	243.0609 ng/ml
a-hydroxyalprazolam	5.680	411640	3089.23	62.9	1586.51	37240	254.7040 ng/ml
alpha-PVP	4.344	2460041	54103.80	50.7	∞	440923	246.7327 ng/ml
Alprazolam	5.756	1553132	2577.54	100.6	5066.90	157004	242.8776 ng/ml
Amphetamine	3.014	2662879	167936.22	53.7	34618.38	150370	237.3634 ng/ml
Benzoylecgonine	3.853	98686	4062.20	7.8	1929.67	15501	249.5848 ng/ml
Buprenorphine	5.753	61955	2451.91	16.0	794.32	91017	25.9647 ng/ml
Bupropion	4.759	1933960	82246.42	58.1	1144.35	273798	254.5185 ng/ml
Carisoprodol	5.705	1185939	1313.87	54.1	5639.98	241682	253.5734 ng/ml
Citalopram	5.202	1258579	20873.28	40.8	785.90	225880	256.3849 ng/ml
Clonazepam	5.593	1973021	37854.20	33.4	94102.15	100773	246.2699 ng/ml
Cocaine	4.244	2465941	190401.83	44.8	33492.73	765551	248.8572 ng/ml
Codeine	2.550	284284	1344.37	102.2	6836.77	53857	250.4539 ng/ml
Cyclobenzaprine	5.617	1011137	42898.87	9.4	1166.93	155111	252.3985 ng/ml
Dextromethorphan	5.252	680309	40518.90	79.1	603.54	127387	243.6080 ng/ml
Dextrorphan	4.093	564446	65286.80	207.9	2652.41	299172	250.2462 ng/ml
Diazepam	5.934	1241803	9549.59	87.7	17929.84	231637	254.2436 ng/ml
Dihydrocodeine	2.521	781768	12310.00	67.2	5383.72	187948	255.3862 ng/ml
Diphenhydramine	5.279	2740440	105169.60	33.5	1653.58	808067	247.4877 ng/ml
Doxylamine	4.514	5392424	49756.13	96.9	30588.31	920869	255.4368 ng/ml
EDDP	5.244	1657534	1996.35	42.5	3425.81	364286	250.7215 ng/ml
Fentanyl	5.072	107098	4617.57	62.9	702.68	233864	25.2777 ng/ml
Fluoxetine	5.702	1031859	1144.11	8.8	∞	176639	254.6624 ng/ml
Hydrocodone	2.991	841572	∞	40.2	1454.72	248050	243.0411 ng/ml
Hydromorphone	1.581	686134	∞	79.0	1322.07	104706	251.6370 ng/ml
Ketamine	4.026	2311026	174401.03	37.5	4788.19	437274	254.9361 ng/ml
Lamotrigine	4.254	169750	5415.02	80.1	∞	437274	212.9740 ng/ml
Lorazepam	5.728	1089147	∞	58.0	18963.88	100773	178.6981 ng/ml
Meprobamate	4.881	552137	73776.65	25.6	61806.46	121946	243.4567 ng/ml
Methadone	5.648	1949607	41622.38	54.0	2701.23	370789	253.0426 ng/ml
Methamphetamine	3.188	1388701	3936.12	42.6	1441.25	253773	261.8693 ng/ml

AM #28 Multi-Drug Quant. Results

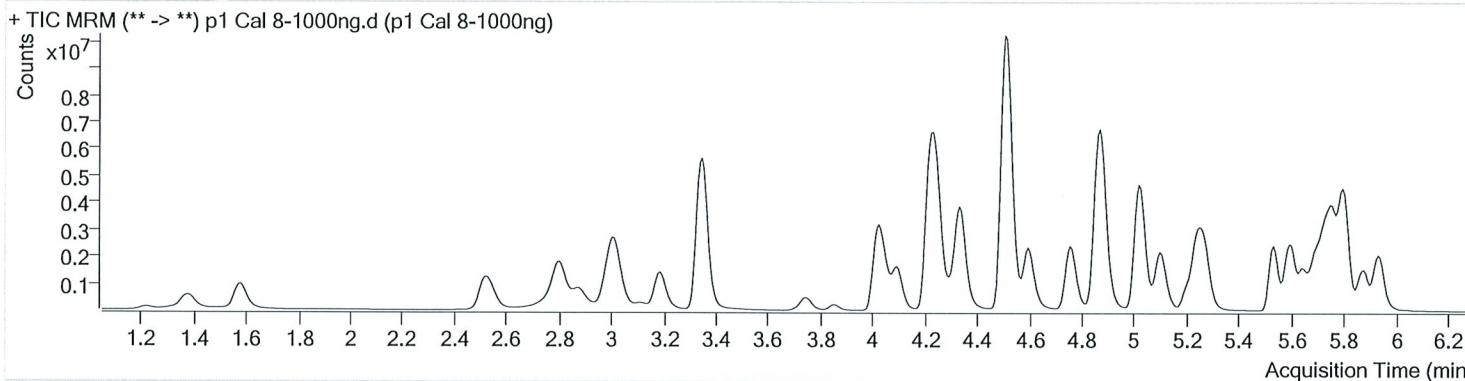| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	359280	476842.64	98.4	∞	1057479	261.8242 ng/ml
Mirtazapine	4.596	2362226	29495.71	48.9	24363.41	440923	276.4853 ng/ml
Mitragynine	5.207	337668	38550.03	38.7	215856.41	370789	261.2455 ng/ml
Morphine	1.220	100254	942.82	23.6	316.74	3979	260.5219 ng/ml
Norbuprenorphine	4.976	5830	233.85	76.0	175.69	10971	25.2132 ng/ml
Nordiazepam	5.881	1121911	∞	56.5	1400.15	142459	254.0516 ng/ml
Norfentanyl	4.061	388255	2778.37	37.2	6380.72	634606	25.5459 ng/ml
Norhydrocodone	3.039	74728	449.13	43.5	∞	26164	252.6264 ng/ml
Noroxycodone	2.876	762270	4514.38	49.9	777.92	95140	252.9780 ng/ml
O-desmethyl-tramadol	3.348	5562507	7470.64	6.0	2403.99	1199146	252.4826 ng/ml
Oxazepam	5.738	1478598	28288.35	70.4	∞	365184	256.3871 ng/ml
Oxycodone	2.800	1910520	23086.10	32.1	3366.28	363762	252.8133 ng/ml
Oxymorphone	1.376	624802	1246.03	46.5	∞	87507	261.4699 ng/ml
Phentermine	3.751	601536	∞	2.4	413.38	307012	256.9924 ng/ml
Promethazine	5.527	2442049	3673.03	30.8	38895.34	441928	253.1184 ng/ml
Quetiapine	5.531	1230423	2179.00	60.4	238505.60	69483	243.2107 ng/ml
Sertraline	5.770	548341	4043.78	89.4	56120.60	94022	256.2302 ng/ml
Temazepam	5.798	3252624	5057.46	29.2	1522.26	691156	252.4447 ng/ml
Tramadol	4.219	4834200	192393.39	3.3	21240.70	1057479	257.3046 ng/ml
Trazodone	5.099	1909119	∞	78.9	3165.12	318616	246.4308 ng/ml
Venlafaxine	5.020	3605560	51658.73	35.6	74903.46	759101	245.9560 ng/ml
Zolpidem	4.871	5322210	1371.22	30.1	2147.15	1038220	253.7263 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\AM 27-28 030320 AM 27 28 wklsts 4044 4045 TS\QuantResults\MDQ TS.batch.bin

Calibration Last Update 3/4/2020 10:11:39 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-H1	**Comment**	
Injection Volume	2		
Acq. Date-Time	3/3/2020 5:51:36 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 8-1000ng.d (p1 Cal 8-1000ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	184922	5189.65	71.4	21116.52	41406	100.3358 ng/ml
7-aminoclonazepam	4.231	1197893	10245.13	81.8	7685.94	79085	678.0278 ng/ml
a-hydroxyalprazolam	5.673	1020614	2003.80	63.2	7722.54	25437	925.5962 ng/ml
alpha-PVP	4.337	6874724	167078.38	50.0	117633.64	300336	1011.5408 ng/ml
Alprazolam	5.756	3797311	∞	103.2	∞	93343	997.9727 ng/ml
Amphetamine	3.014	5203345	107712.06	52.7	126912.62	100762	694.7054 ng/ml
Benzoylecgonine	3.853	403123	50715.87	7.7	1041.95	14783	1070.1804 ng/ml
Buprenorphine	5.753	38524	2490.76	15.9	∞	15889	92.7782 ng/ml
Bupropion	4.759	4408887	3871.75	58.1	1583.73	159565	996.0689 ng/ml
Carisoprodol	5.705	2588989	702.87	55.0	428.62	137117	976.3929 ng/ml
Citalopram	5.202	1491361	3569.20	40.8	46048.57	69038	994.9516 ng/ml
Clonazepam	5.593	4898894	123655.48	33.3	120801.49	65926	936.0828 ng/ml
Cocaine	4.243	6316788	139590.67	43.9	173670.87	483557	1008.9033 ng/ml
Codeine	2.550	708465	24399.45	101.1	1844.45	36524	921.9359 ng/ml
Cyclobenzaprine	5.610	566684	18671.26	9.7	736.87	22174	990.3696 ng/ml
Dextromethorphan	5.252	590041	13433.72	79.0	17114.99	26370	1020.2122 ng/ml
Dextrorphan	4.093	1233941	27578.31	211.1	44977.40	163271	1002.7337 ng/ml
Diazepam	5.934	3036327	∞	88.3	∞	148474	970.3412 ng/ml
Dihydrocodeine	2.514	2166182	2207.98	67.2	75803.18	162003	822.9505 ng/ml
Diphenhydramine	5.272	3256666	1317.33	33.1	1616.21	234318	1014.0552 ng/ml
Doxylamine	4.508	16054485	277593.63	95.8	496221.43	709785	987.4044 ng/ml
EDDP	5.244	4305121	2175.03	42.2	1309.54	230588	1029.2411 ng/ml
Fentanyl	5.072	66384	2670.40	61.9	95273.44	35560	103.2178 ng/ml
Fluoxetine	5.702	380770	55332.32	9.1	∞	16590	1001.8916 ng/ml
Hydrocodone	2.985	2387323	∞	40.2	829.38	196094	875.1510 ng/ml
Hydromorphone	1.581	1952466	846.14	79.1	1996.32	75604	992.7283 ng/ml
Ketamine	4.026	6729754	6791.28	36.9	44616.66	344503	943.6613 ng/ml
Lamotrigine	4.261	315798	3551.35	79.2	∞	344503	504.4992 ng/ml
Lorazepam	5.728	1276049	∞	57.5	3184.09	65926	321.2321 ng/ml
Meprobamate	4.888	935762	1920.59	25.9	19467.06	71191	708.7159 ng/ml
Methadone	5.648	1961090	1304.05	53.5	22356.12	93354	1011.7837 ng/ml
Methamphetamine	3.188	3224146	∞	42.6	22850.94	168167	924.2485 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Metoprolol	4.306	920060	64148.07	96.4	∞	749112	947.1518 ng/ml
Mirtazapine	4.596	4178645	∞	49.0	250626.91	300336	716.8936 ng/ml
Mitragynine	5.207	221224	131203.56	38.4	14331.42	93354	680.6248 ng/ml
Morphine	1.220	297744	909.44	23.8	2280.34	3213	959.6395 ng/ml
Norbuprenorphine	4.976	4962	148.68	82.1	274.91	2475	95.0863 ng/ml
Nordiazepam	5.881	2621795	∞	56.1	3046.08	87637	965.9208 ng/ml
Norfentanyl	4.061	1210401	41807.32	37.3	5367.41	392530	128.6635 ng/ml
Norhydrocodone	3.039	247276	664.93	44.1	82.44	18661	1168.7421 ng/ml
Noroxycodone	2.876	1860904	501.12	49.8	12193.12	61406	958.1103 ng/ml
O-desmethyl-tramadol	3.348	16124682	232079.38	5.8	42149.97	860328	1020.4850 ng/ml
Oxazepam	5.731	2027111	∞	72.1	12817.19	138299	929.2700 ng/ml
Oxycodone	2.800	5952524	6216.65	31.9	23993.23	298059	962.7849 ng/ml
Oxymorphone	1.376	1727483	∞	48.5	∞	67024	944.7443 ng/ml
Phentermine	3.745	1409312	10615.97	2.4	1128.10	206074	898.5411 ng/ml
Promethazine	5.527	1305829	128515.52	31.1	4020.57	59588	1004.3145 ng/ml
Quetiapine	5.531	2854063	3504.94	60.2	1166490.64	38722	1013.6455 ng/ml
Sertraline	5.770	158549	1015.65	91.4	41796.07	7026	992.3867 ng/ml
Temazepam	5.798	8440188	62103.39	28.3	39249.77	434633	1041.5431 ng/ml
Tramadol	4.219	12279276	9415.67	3.2	4926.26	749112	925.0160 ng/ml
Trazodone	5.099	3508342	190927.47	79.0	225888.94	129130	1117.4784 ng/ml
Venlafaxine	5.020	10121264	219421.40	34.8	2283.51	517916	1010.5186 ng/ml
Zolpidem	4.871	15778632	140729.63	29.5	132582.05	837646	933.6576 ng/ml